Industry Canada Industrie Canada

DEC 15 2008

Mr. Kevin J. Martin
Chairman of the Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
USA

Dear Mr. Martin:

Thank you for your letter of August 5, 2008, on the discussions between Industry Canada (IC) and the Federal Communications Commission (FCC) leading to the development of a comprehensive legally binding "Agreement" between our two governments on the use of television broadcasting spectrum in the areas adjacent to the border of Canada and the United States.

In your letter, you proposed an understanding between IC and the FCC to be followed until Canada and the United States bring into force a comprehensive, legally binding "Agreement". I would like to inform you that the understanding as outlined in your letter (including the attached Tables A, B, C and D, which list all agreed assignments and allotments within 360 km of our common border) is acceptable and can be followed by our countries until the "Agreement" comes into force.

Industry Canada participants have indicated that they are pleased with the results of the joint Canada/United States meeting held on August 13 and 14, 2008. On this occasion, I would like to congratulate the participants for the excellent spirit of cooperation that has prevailed throughout the negotiations.

Sincerely,

Helen McDonald
Assistant Deputy Minister
Spectrum, Information Technologies
and Telecommunications

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

August 5, 2008

To: Mr. Kevin Lindsey
Acting Assistant Deputy Minister
Spectrum, Information Technologies and Telecommunications
Industry Canada

Dear Mr. Lindsey:

The Federal Communications Commission ("FCC") and Industry Canada ("IC") have held recent discussions regarding the use of the 54-72 MHz, 76-88 MHz, 174-216 MHz and 470-698 MHz bands for digital television ("DTV") broadcasting along the common border in order to develop a comprehensive, legally binding "Agreement"[1] between our respective governments which is intended to replace the 2000 FCC-IC Letter of Understanding as well as the existing television broadcasting agreement, namely, the 1994 "Agreement Between the Government of the United States of America and the Government of Canada Concerning the Allotment and Assignment of Television Broadcasting Channels in areas Adjacent to the border of the United States and Canada," and that Agreement's working arrangement.

In connection with those discussions, and until Canada and the United States are able to conclude a comprehensive, legally binding "Agreement," I propose the following understanding between FCC and IC:

1. The entries (channel, location) contained in Tables A and B are deemed mutually acceptable and the DTV stations listed therein may be brought into immediate operation with facilities as follows:

    1.1 Stations in Tables A and B can operate with the facilities (EHAAT, ERP, antenna pattern) listed in these tables, except as provided in 1.2 and 1.3.

    1.2 Stations in Table C are limited to the facilities specified until this "exchange of letters" is replaced by the permanent "Agreement," as set forth in Section 6.

[1] The term "Agreement" in the text is intended to refer to a comprehensive, legally binding post-transition digital television agreement between Canada and the United States that the FCC and IC anticipate will be called an "Agreement between the Government of the United States of America and the Government of Canada Relating to the Use of the 54-72 MHz, 76-88 MHz, 174-216 MHz and 470-698 MHz Bands for the Digital Television Broadcasting Service Along the Common Border."

1.3 Stations in Table D may operate with the facilities of Table B. However, these stations must reduce to the facilities of Table D when the related Canadian transitional digital allotment becomes operational.

2. Changes to Tables A, B, C and D are subject to mutual decision.

3. To assess the compatibility of a drop-in channel relative to an analog assignment/allotment, the technical provisions of the 2000 Letter of Understanding are to be used. For compatibility relative to digital assignments/allotments, the technical methodologies used in the development of Tables A and B (i.e. OET-69) are to be used.

4. Stations in services other than the broadcasting service in the 698-806 MHz frequency band (channel 52-69 inclusive) should comply with the technical provisions of Section 13 of the 2000 Letter of Understanding.

5. Work on this matter will continue with a view to finalizing the "Agreement".

6. The terms outlined in this exchange of letters will no longer be followed once the "Agreement" comes into force.

Please let me know if you find the understanding outlined above (including the attached Tables A, B, C and D) acceptable to IC by reply letter.

Sincerely,

Kevin J. Martin
Chairman

Attachments
Table A: Canada Plan of Allotments and Primary Assignments
Table B: United States Plan of Allotments and Primary Assignments
Table C: Facilities for U.S. Assignments to protect Canadian Operations
Table D: Facilities for U.S. Assignments to protect Canadian Transitional Digital Allotments

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
AB	Banff	ALLOTMENT	511000	1153400	34	150	6000	
AB	Blairmore	ALLOTMENT	493600	1142600	15	100	300	
AB	Blairmore	ALLOTMENT	493600	1142600	25	100	300	
AB	Blairmore	ALLOTMENT	493600	1142600	31	100	300	
AB	Blairmore	ALLOTMENT	493600	1142600	34	100	300	
AB	Bow Island	CJIL-TV-1	494708	1111926	39	112	12000	
AB	Brooks	ALLOTMENT	503500	1115300	29	150	6000	
AB	Brooks	ALLOTMENT	503500	1115300	30	150	6000	
AB	Brooks	ALLOTMENT	503500	1115300	47	150	6000	
AB	Burmis	ALLOTMENT	493154	1141137	3	300	2400	
AB	Burmis	CFCN-TV-4	493154	1141137	5	133.8	150	
AB	Burmis	ALLOTMENT	493154	1141137	6	128	170	
AB	Burmis	CISA-TV-1	493154	1141137	9	128	460	
AB	Burmis	ALLOTMENT	493154	1141137	18	150	6000	
AB	Burmis	ALLOTMENT	493300	1141700	20	100	300	
AB	Burmis	ALLOTMENT	493154	1141137	22	150	6000	
AB	Burmis	CBRT-8	493314	1141037	32	165.5	110	
AB	Burmis	ALLOTMENT	493300	1141700	40	100	300	
AB	Burmis	ALLOTMENT	493314	1141037	47	165.5	110	
AB	Burmis	CJIL-TV-2	493314	1141037	51	163.3	120	
AB	Calgary	ALLOTMENT	510424	1141534	2	301.5	2400	
AB	Calgary	ALLOTMENT	510337	1141013	4	300	2400	
AB	Calgary	ALLOTMENT	510354	1141247	5	300	2400	
AB	Calgary	CBRT	510354	1141247	9	346	7000	
AB	Calgary	CIAN-TV	510354	1141247	13	246.3	16000	1000
AB	Calgary	ALLOTMENT	510354	1141247	15	246.3	2100	
AB	Calgary	CBRFT	510354	1141247	16	286.5	1000000	
AB	Calgary	ALLOTMENT	510300	1140500	19	150	6000	
AB	Calgary	ALLOTMENT	510354	1141247	21	300	115000	
AB	Calgary	ALLOTMENT	510300	1140500	23	300	115000	
AB	Calgary	HDTV	510354	1141247	25	325.1	84000	
AB	Calgary	CALGARY 50	510337	1141013	27	286.5	1000000	
AB	Calgary	CFCN-TV	510337	1141013	29	286.5	1000000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
AB	Calgary	ALLOTMENT	510337	1141013	32	300	115000	
AB	Calgary	ROGERS	510354	1141251	38	325.1	84000	
AB	Calgary	CICT-TV	510424	1141534	41	301.5	830000	
AB	Calgary	ALLOTMENT	510337	1141017	43	301.5	830000	
AB	Calgary	CANWEST	510337	1141017	44	206	390000	
AB	Calgary	CKAL-TV	510354	1141247	49	286.5	1000000	
AB	Calgary	ALLOTMENT	510300	1140500	50	300	115000	
AB	Calgary	ALLOTMENT	510354	1141247	51	300	115000	
AB	Cardston	ALLOTMENT	491200	1131800	16	150	6000	
AB	Cardston	ALLOTMENT	491200	1131800	22	100	300	
AB	Claresholm	ALLOTMENT	500200	1133500	12	150	300	
AB	Claresholm	ALLOTMENT	500200	1133500	36	150	6000	
AB	Coronation	CBXT-14	520922	1110805	10	212.5	20000	1001
AB	Coronation	ALLOTMENT	520922	1110805	30	300	850000	
AB	Coronation	ALLOTMENT	520500	1112700	41	100	300	
AB	Coutts/Milkriver	ALLOTMENT	490434	1120140	4	300	2400	
AB	Coutts/Milkriver	CBRT-16	490434	1120140	9	77.1	1500	
AB	Coutts/Milkriver	ALLOTMENT	490400	1120100	14	100	300	
AB	Coutts/Milkriver	ALLOTMENT	490434	1120140	20	150	6000	
AB	Coutts/Milkriver	ALLOTMENT	490400	1120100	24	100	300	
AB	Drumheller	CFCN-TV-1	513346	1121944	12	326.5	8200	1002
AB	Drumheller	ALLOTMENT	513346	1121944	17	326.5	580000	
AB	Drumheller	ALLOTMENT	513346	1121944	18	326.5	580000	
AB	Drumheller	ALLOTMENT	512800	1124200	32	150	6000	
AB	Drumheller	ALLOTMENT	512800	1124200	33	150	6000	
AB	Drumheller	ALLOTMENT	512800	1124200	38	150	6000	
AB	Etzikom	CBCA-TV-1	493359	1110752	12	147.7	46000	1003
AB	Etzikom	ALLOTMENT	493359	1110752	15	300	115000	
AB	Etzikom	ALLOTMENT	492900	1110600	31	100	300	
AB	Etzikom	ALLOTMENT	492900	1110600	32	100	300	
AB	Fort Macleod	ALLOTMENT	494300	1132500	35	150	6000	
AB	Fort Macleod	ALLOTMENT	494300	1132500	38	150	6000	
AB	Fort Macleod	ALLOTMENT	494300	1132500	44	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
AB	Hanna	ALLOTMENT	513800	1115400	24	100	300	
AB	Hanna	ALLOTMENT	513800	1115400	47	100	300	
AB	High River	ALLOTMENT	503500	1135200	35	150	6000	
AB	Innisfail	ALLOTMENT	520200	1135700	42	100	300	
AB	Lethbridge	ALLOTMENT	494057	1125534	2	300	2400	
AB	Lethbridge	CISA-TV	494647	1125214	7	203.6	22000	
AB	Lethbridge	CBRT-6	494410	1124809	10	206	22000	
AB	Lethbridge	CFCN-TV-5	494359	1125736	13	171.9	32000	1004
AB	Lethbridge	CJIL-TV	494647	1125214	17	133.5	8000	
AB	Lethbridge	ALLOTMENT	494410	1124809	19	300	850000	
AB	Lethbridge	CBXFT-3	494410	1124809	23	151.8	6000	
AB	Lethbridge	ALLOTMENT	494200	1125000	28	150	6000	
AB	Lethbridge	ALLOTMENT	494410	1124809	31	151.8	6000	
AB	Lethbridge	ALLOTMENT	494647	1125214	33	150	6000	
AB	Lethbridge	ALLOTMENT	494200	1125000	41	150	6000	
AB	Lethbridge	CKAL-TV-1	494057	1125534	46	286.5	1000000	
AB	Lethbridge	ALLOTMENT	494200	1125000	50	150	6000	
AB	Medicine Hat	ALLOTMENT	500945	1105720	6	202.7	6100	
AB	Medicine Hat	CFCN-TV-8	500945	1105720	8	141.3	53000	
AB	Medicine Hat	ALLOTMENT	500300	1104000	21	150	6000	
AB	Medicine Hat	ALLOTMENT	500246	1103708	22	117	220	
AB	Medicine Hat	CBXFT-11	500246	1103708	34	117	220	
AB	Medicine Hat	CHAT-TV	500945	1105720	36	286.5	1000000	
AB	Medicine Hat	ALLOTMENT	500300	1104000	48	300	115000	
AB	Medicine Hat	ALLOTMENT	500436	1104740	50	300	115000	
AB	Medicine Hat	ALLOTMENT	500300	1104000	51	300	115000	
AB	Olds	ALLOTMENT	514700	1140600	30	150	6000	
AB	Oyen	ALLOTMENT	512110	1102430	2	300	2400	
AB	Oyen	CFCN-TV-16	512110	1102430	5	111.3	230	
AB	Oyen	ALLOTMENT	512200	1102800	22	100	300	
AB	Oyen	ALLOTMENT	512200	1102800	23	100	300	
AB	Oyen	ALLOTMENT	512110	1102430	44	111.3	12000	
AB	Pincher Creek	ALLOTMENT	492900	1135700	24	100	300	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
AB	Pincher Creek	ALLOTMENT	492900	1135700	42	100	300	
AB	Pivot	ALLOTMENT	502414	1100307	4	300	2400	
AB	Pivot	CHAT-TV-1	502414	1100307	13	191.1	5700	
AB	Pivot	ALLOTMENT	502414	1100307	29	300	115000	
AB	Raymond	ALLOTMENT	492700	1123900	5	300	2400	
AB	Raymond	ALLOTMENT	492700	1123900	25	100	300	
AB	Red Deer	ALLOTMENT	521412	1133850	4	300	2400	
AB	Red Deer	CKEM-TV-1	521412	1133850	45	286.5	1000000	
AB	Rosemary	CBRT-5	504111	1122709	11	188.7	26000	
AB	Rosemary	ALLOTMENT	504111	1122709	42	300	850000	
AB	Taber	ALLOTMENT	494700	1120800	15	100	300	
AB	Vulcan	ALLOTMENT	502400	1131500	24	100	300	
BC	100 Mile House	ALLOTMENT	515410	1211537	3	584.3	370	
BC	100 Mile House	CFJC-TV-6	515400	1211530	5	570.3	400	
BC	100 Mile House	CITM-TV	515410	1211537	7	584.3	1200	
BC	100 Mile House	ALLOTMENT	515410	1211537	21	584.3	62000	
BC	100 Mile House	ALLOTMENT	515400	1211530	23	570.3	66000	
BC	Alert Bay	CBUT-16	503448	1265500	11	-34.7	440	
BC	Alert Bay	ALLOTMENT	503448	1265500	31	100	300	
BC	Ashcroft	ALLOTMENT	504300	1211700	48	150	6000	
BC	Ashcroft	ALLOTMENT	504300	1211700	49	150	6000	
BC	Bonnington Falls	CBUDT	492833	1172916	13	-392.3	440	
BC	Bonnington Falls	ALLOTMENT	492833	1172916	45	100	300	
BC	Burns Lake	ALLOTMENT	541525	1254036	4	323	2100	
BC	Burns Lake	CH4333	541520	1254036	7	285	2600	1005
BC	Burns Lake	CKHS-TV	541523	1254037	13	274.5	95	1006
BC	Burns Lake	ALLOTMENT	541520	1254036	30	286.5	1000000	
BC	Burns Lake	CBCY-TV-1	541525	1254036	32	323	610000	
BC	Burns Lake	ALLOTMENT	541523	1254037	47	274.5	1600	
BC	Campbell River	CHEK-TV-5	494455	1251453	13	455	2700	
BC	Campbell River	ALLOTMENT	500100	1251500	14	150	6000	
BC	Campbell River	ALLOTMENT	500100	1251500	23	150	6000	
BC	Campbell River	ALLOTMENT	494455	1251453	25	402.6	225000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Campbell River	ALLOTMENT	500100	1251500	44	150	6000	
BC	Campbell River	ALLOTMENT	500130	1251440	47	300	115000	
BC	Campbell River	ALLOTMENT	500100	1251500	51	150	6000	
BC	Canal Flats	CBUBT-1	501141	1154925	12	-245	410000	
BC	Canal Flats	ALLOTMENT	501141	1154925	50	300	115000	
BC	Cassiar	ALLOTMENT	591712	1295100	7	300	10600	
BC	Cassiar	ALLOTMENT	591712	1295100	12	300	10600	
BC	Castlegar	ALLOTMENT	491900	1174000	26	150	6000	
BC	Castlegar	ALLOTMENT	491900	1174000	35	150	6000	
BC	Chilliwack	ALLOTMENT	490636	1215047	3	300	2400	
BC	Chilliwack	CBUT-2	490636	1215047	7	214	20000	
BC	Chilliwack	CBUFT-6	490636	1215047	15	219.8	2700	
BC	Chilliwack	ALLOTMENT	491000	1215700	21	150	6000	
BC	Chilliwack	ALLOTMENT	491000	1215700	23	150	6000	
BC	Chilliwack	ALLOTMENT	491000	1215700	31	150	6000	
BC	Chilliwack	ALLOTMENT	491000	1215700	36	150	6000	
BC	Chilliwack	ALLOTMENT	490636	1215047	46	286.5	1000000	
BC	Chilliwack	ALLOTMENT	491000	1215700	48	150	6000	
BC	Clinton	CFJC-TV-4	510536	1213952	9	617	1000	
BC	Clinton	ALLOTMENT	510536	1213952	41	617	11000	
BC	Comox	ALLOTMENT	494000	1245500	19	100	300	
BC	Comox	ALLOTMENT	494000	1245500	35	150	6000	
BC	Courtenay	CKVU-TV-1	493537	1250036	5	82.5	49000	
BC	Courtenay	CBUT-1	493537	1250036	9	158.8	39000	
BC	Courtenay	CHAN-TV-4	494455	1251453	11	402.6	4200	
BC	Courtenay	ALLOTMENT	494455	1251453	21	402.6	225000	
BC	Courtenay	ALLOTMENT	493537	1250036	29	286.5	1000000	
BC	Courtenay	ALLOTMENT	494100	1250000	31	100	300	
BC	Courtenay	ALLOTMENT	493537	1250036	49	300	115000	
BC	Cranbrook	CFCN-TV-9	492730	1153745	5	1040	110	
BC	Cranbrook	ALLOTMENT	492730	1153745	9	1040	342	
BC	Cranbrook	CBUBT-7	492730	1153745	10	1049.6	340	
BC	Cranbrook	ALLOTMENT	492730	1153745	13	1040	342	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Cranbrook	ALLOTMENT	493000	1154600	24	100	300	
BC	Cranbrook	ALLOTMENT	493000	1154600	29	150	6000	
BC	Cranbrook	ALLOTMENT	493000	1154600	41	150	6000	
BC	Cranbrook	ALLOTMENT	493000	1154600	42	150	6000	
BC	Cranbrook	ALLOTMENT	492730	1153745	44	1040	14000	
BC	Cranbrook	ALLOTMENT	492730	1153745	48	1040	14000	
BC	Crawford Bay	CBUCT-1	493854	1165053	5	-134.1	85000	1007
BC	Crawford Bay	ALLOTMENT	493854	1165053	34	300	115000	
BC	Creston	ALLOTMENT	490956	1164039	3	615.4	325	
BC	Creston	CBUCT-2	490956	1164039	7	615.4	970	
BC	Creston	ALLOTMENT	490956	1164039	14	615.4	53000	
BC	Creston	ALLOTMENT	490600	1163100	16	150	6000	
BC	Creston	ALLOTMENT	490600	1163100	44	150	6000	
BC	Duncan	ALLOTMENT	484700	1234200	27	100	300	
BC	Duncan	ALLOTMENT	484700	1234200	34	100	300	
BC	Enderby	CHBC-TV-5	503356	1190603	16	-220.1	340000	
BC	Enderby	ALLOTMENT	503346	1190611	17	150	6000	
BC	Enderby	ALLOTMENT	503300	1190800	25	150	6000	
BC	Enderby	CBUT-44	503346	1190611	26	-190.3	340000	
BC	Enderby	ALLOTMENT	503348	1190610	30	150	6000	
BC	Enderby	ALLOTMENT	503356	1190603	36	150	6000	
BC	Fernie	CBUBT-9	492918	1150347	8	-550	14000	
BC	Fernie	ALLOTMENT	493000	1150400	20	150	6000	
BC	Fernie	CBUBT-8	492644	1145920	21	549.9	300	
BC	Fernie	ALLOTMENT	492644	1145920	23	549.9	290	
BC	Fernie	ALLOTMENT	492918	1150347	30	150	6000	
BC	Fernie	ALLOTMENT	493000	1150400	51	150	6000	
BC	Fraser Valley	CHNU-TV	490348	1221255	47	346.3	450000	
BC	Golden	CBUBT-2	511625	1165917	13	-26.7	14000	
BC	Golden	ALLOTMENT	511800	1165800	15	150	6000	
BC	Golden	ALLOTMENT	511800	1165800	38	150	6000	
BC	Golden	ALLOTMENT	511625	1165917	41	150	6000	
BC	Grand Forks	ALLOTMENT	490200	1182700	44	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Grand Forks	ALLOTMENT	490200	1182700	47	150	6000	
BC	Hazelton	CHHZ-TV	551212	1274142	9	130.4	440	
BC	Hazelton	ALLOTMENT	551218	1274132	51	150	6000	
BC	Hope	ALLOTMENT	492300	1212600	38	150	6000	
BC	Houston	ALLOTMENT	542633	1263930	2	452	810	
BC	Houston	CFHO-TV	542633	1263930	8	454	640	1008
BC	Houston	CBCY-TV	542633	1263930	22	452	150000	
BC	Houston	ALLOTMENT	542400	1263800	23	150	6000	
BC	Houston	ALLOTMENT	542633	1263930	36	454	150000	
BC	Houston	ALLOTMENT	542400	1263800	44	150	6000	
BC	Kamloops	ALLOTMENT	504015	1202350	4	300	2400	
BC	Kamloops	ALLOTMENT	504015	1202350	6	300	2400	
BC	Kamloops	CHKM-DT	504015	1202350	11	152.7	43000	
BC	Kamloops	CFJC-TV	504015	1202350	13	152.7	43000	
BC	Kamloops	ALLOTMENT	504000	1202000	22	300	115000	
BC	Kamloops	ALLOTMENT	504015	1202350	29	134.7	165	
BC	Kamloops	ALLOTMENT	504000	1202000	39	100	300	
BC	Kamloops	ALLOTMENT	504015	1202350	43	300	850000	
BC	Kamloops	CBUFT-2	504015	1202350	50	134.7	170	
BC	Kelowna	ALLOTMENT	495800	1193140	2	498	580	
BC	Kelowna	ALLOTMENT	495800	1193140	5	498	580	
BC	Kelowna	CHBC-TV	495800	1193140	8	498	2000	
BC	Kelowna	ALLOTMENT	495800	1193140	14	498	18000	
BC	Kelowna	CBUFT-1	495800	1193140	21	500	360	
BC	Kelowna	CHKL-TV	495800	1193140	24	509.6	95000	
BC	Kelowna	CBUT-38	495800	1193140	45	507.3	95000	
BC	Kelowna	ALLOTMENT	495800	1193140	51	498	110000	
BC	Kimberley	ALLOTMENT	494100	1155900	27	150	6000	
BC	Kimberley	ALLOTMENT	494100	1155900	31	150	6000	
BC	Kinnaird	ALLOTMENT	491700	1173900	29	150	6000	
BC	Kinnaird	ALLOTMENT	491700	1173900	30	150	6000	
BC	Kitimat	ALLOTMENT	540200	1283900	14	150	6000	
BC	Kitimat	ALLOTMENT	540200	1283900	15	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Kitimat	ALLOTMENT	540200	1283900	19	150	6000	
BC	Kitimat	ALLOTMENT	540200	1283900	31	150	6000	
BC	Lillooet	ALLOTMENT	504100	1215600	23	150	6000	
BC	Lillooet	ALLOTMENT	504100	1215600	31	150	6000	
BC	Merritt	ALLOTMENT	500700	1204700	27	150	6000	
BC	Merritt	ALLOTMENT	500700	1204700	41	150	6000	
BC	Nanaimo	ALLOTMENT	491000	1235600	28	100	300	
BC	Nanaimo	ALLOTMENT	491000	1235600	38	100	300	
BC	Nanaimo	ALLOTMENT	491000	1235600	50	150	6000	
BC	Nelson	ALLOTMENT	492935	1171615	3	300	2400	
BC	Nelson	CKTN-TV-3	492935	1171615	7	-569	440	
BC	Nelson	CBUCT	493150	1171758	9	405	40	
BC	Nelson	ALLOTMENT	492935	1171615	18	100	300	
BC	Nelson	ALLOTMENT	493150	1171758	21	405	600	
BC	Nelson	ALLOTMENT	492900	1171700	38	150	6000	
BC	Nelson	ALLOTMENT	492900	1171700	50	150	6000	
BC	New Denver	ALLOTMENT	495910	1172238	15	100	300	
BC	New Denver	CBUCT-6	495910	1172238	17	-779.8	4100	
BC	Oliver	CBUT-42	490606	1193438	6	-71.7	4500	
BC	Oliver	CHBC-TV-3	490600	1193445	8	-76	14000	
BC	Oliver	ALLOTMENT	491100	1193300	43	150	6000	
BC	Oliver	ALLOTMENT	490600	1193445	51	150	6000	
BC	Oliver/Osoyoos	ALLOTMENT	490815	1194010	3	964	120	
BC	Oliver/Osoyoos	CKKM-TV	490815	1194010	12	964	1000	
BC	Oliver/Osoyoos	ALLOTMENT	490815	1194010	28	964	17000	
BC	Ootsa Lake	CH4467	535215	1260035	5	275	3000	1009
BC	Ootsa Lake	CHHH-TV	535215	1260035	10	290	11300	
BC	Ootsa Lake	CHBL-TV	535215	1260035	11	269	13000	
BC	Ootsa Lake	ALLOTMENT	535215	1260035	50	300	850000	
BC	Osoyoos	ALLOTMENT	490200	1192800	15	150	6000	
BC	Osoyoos	ALLOTMENT	490200	1192800	19	150	6000	
BC	Parksville	ALLOTMENT	491900	1241900	44	100	300	
BC	Parksville	ALLOTMENT	491900	1241900	45	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Peachland	ALLOTMENT	494600	1194400	26	150	6000	
BC	Peachland	ALLOTMENT	494600	1194400	29	150	6000	
BC	Pemberton	ALLOTMENT	501942	1224945	4	300	2400	
BC	Pemberton	CBUPT	501942	1224945	7	-827	14000	
BC	Pemberton	ALLOTMENT	501942	1224945	40	150	6000	
BC	Penticton	CHKL-TV-1	493934	1193418	10	358	6100	
BC	Penticton	CHBC-TV-1	493934	1193418	13	365	50	
BC	Penticton	ALLOTMENT	493144	1193825	16	239.9	2200	
BC	Penticton	CBUT-40	493144	1193825	17	239.9	2200	
BC	Penticton	ALLOTMENT	493000	1193500	23	100	300	
BC	Penticton	ALLOTMENT	493000	1193500	32	150	6000	
BC	Penticton	ALLOTMENT	493934	1193418	40	358	820	
BC	Penticton	ALLOTMENT	493934	1193418	49	358	380000	
BC	Port Alberni	ALLOTMENT	491415	1244815	3	300	2400	
BC	Port Alberni	ALLOTMENT	491400	1244800	15	150	6000	
BC	Port Alberni	ALLOTMENT	491400	1244800	36	150	6000	
BC	Port Alberni	ALLOTMENT	491400	1244800	41	150	6000	
BC	Port Hardy	CBUT-19	504237	1272625	6	99.7	300	
BC	Port Hardy	ALLOTMENT	504330	1272930	8	300	10600	
BC	Port Hardy	ALLOTMENT	504237	1272625	14	150	6000	
BC	Port Hardy	ALLOTMENT	504200	1272500	15	150	6000	
BC	Port Hardy	ALLOTMENT	504330	1272930	33	300	850000	
BC	Port Hardy	ALLOTMENT	504200	1272500	50	150	6000	
BC	Powell River	ALLOTMENT	495200	1243300	7	150	300	
BC	Powell River	ALLOTMENT	495200	1243300	27	100	300	
BC	Powell River	ALLOTMENT	495200	1243300	50	150	6000	
BC	Prince Rupert	ALLOTMENT	541705	1301848	6	593.8	360	
BC	Prince Rupert	CFTK-TV-1	541705	1301848	7	593.8	1100	
BC	Prince Rupert	ALLOTMENT	541900	1301900	10	150	300	
BC	Prince Rupert	ALLOTMENT	541900	1301900	12	150	300	
BC	Prince Rupert	ALLOTMENT	541900	1301900	15	150	6000	
BC	Prince Rupert	ALLOTMENT	541900	1301900	20	150	6000	
BC	Prince Rupert	ALLOTMENT	541848	1301930	32	300	115000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Prince Rupert	ALLOTMENT	541848	1301930	38	300	850000	
BC	Princeton	ALLOTMENT	492700	1203100	35	150	6000	
BC	Princeton	ALLOTMENT	492700	1203100	45	150	6000	
BC	Radium	ALLOTMENT	503708	1160447	22	150	6000	
BC	Radium	ALLOTMENT	503708	1160447	28	150	6000	
BC	Radium	ALLOTMENT	503800	1160500	33	150	6000	
BC	Radium Hot Springs	CBUBT-5	503708	1160447	17	-507.8	4100	
BC	Radium Hot Springs	ALLOTMENT	503708	1160447	47	100	300	
BC	Revelstoke	ALLOTMENT	510000	1181200	32	150	6000	
BC	Revelstoke	ALLOTMENT	510000	1181200	43	150	6000	
BC	Rossland	ALLOTMENT	490500	1174800	27	150	6000	
BC	Salmon Arm	ALLOTMENT	504531	1192153	3	764	200	
BC	Salmon Arm	CHBC-TV-4	504522	1191957	9	-302.8	440	
BC	Salmon Arm	ALLOTMENT	504200	1191600	23	150	6000	
BC	Salmon Arm	CBUT-43	504531	1192153	33	764	30000	
BC	Salmon Arm	ALLOTMENT	504200	1191600	39	150	6000	
BC	Smithers	CBCY-TV-2	544428	1265850	5	242	42	1010
BC	Smithers	CFHO-TV-1	544428	1265850	13	315	70	
BC	Smithers	ALLOTMENT	544700	1271000	14	150	6000	
BC	Smithers	ALLOTMENT	544700	1271000	15	150	6000	
BC	Smithers	ALLOTMENT	544428	1265850	29	242	2200	
BC	Smithers	ALLOTMENT	544428	1265850	33	242	2200	
BC	Sparwood	CBUBT-10	494240	1145242	11	-257.4	13600	
BC	Sparwood	ALLOTMENT	494240	1145242	26	300	850000	
BC	Sparwood	ALLOTMENT	494300	1145300	33	100	300	
BC	Spillimacheen	CBUBT-6	505359	1162035	39	-407.5	340000	
BC	Summerland	ALLOTMENT	493934	1193418	34	358	820	
BC	Summerland	ALLOTMENT	493934	1193418	48	358	820	
BC	Terrace	ALLOTMENT	543105	1282815	3	453.5	800	
BC	Terrace	CBUFT-3	543105	1282815	11	461.2	2600	
BC	Terrace	ALLOTMENT	543100	1283500	20	150	6000	
BC	Terrace	ALLOTMENT	543100	1283500	21	150	6000	
BC	Terrace	ALLOTMENT	543100	1283500	22	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Terrace	ALLOTMENT	543100	1283500	27	150	6000	
BC	Terrace	ALLOTMENT	543105	1282815	34	453.5	144000	
BC	Terrace	CFTK-TV	543105	1282815	35	453.5	150000	
BC	Trail	CKTN-TV	490530	1174910	8	480.4	2200	
BC	Trail	CBUAT	490527	1174755	11	254.3	14400	
BC	Trail	ALLOTMENT	490600	1174200	14	150	6000	
BC	Trail	ALLOTMENT	490527	1174755	17	254.3	1900	
BC	Trail	ALLOTMENT	490600	1174200	19	150	6000	
BC	Trail	ALLOTMENT	490530	1174910	42	480.4	120000	
BC	Vancouver	ALLOTMENT	492112	1225718	2	613	330	
BC	Vancouver	CHAN-TV	492129	1225709	8	711	650	
BC	Vancouver	CKVU-TV	484513	1232925	10	603	1100	
BC	Vancouver	ALLOTMENT	491600	1230700	14	300	115000	
BC	Vancouver	ALLOTMENT	492112	1225718	16	613	53000	
BC	Vancouver	CIVI-TV-2	492117	1225725	17	634.3	50000	
BC	Vancouver	HDTV	492112	1225718	18	615.00	11000	
BC	Vancouver	CHNM-TV	492112	1225718	20	615	53000	
BC	Vancouver	ALLOTMENT	492129	1225709	22	711	36000	
BC	Vancouver	CBUFT	492112	1225718	26	613	106000	
BC	Vancouver	ALLOTMENT	491600	1230700	30	300	115000	
BC	Vancouver	CIVT-TV	492129	1225709	32	740.3	33000	
BC	Vancouver	ALLOTMENT	492129	1225709	33	711	36000	
BC	Vancouver	ALLOTMENT	491600	1230700	39	150	6000	
BC	Vancouver	ALLOTMENT	492112	1225718	41	613	230	
BC	Vancouver	ALLOTMENT	492112	1225718	42	613	11000	
BC	Vancouver	CBUT	492112	1225718	43	593.1	120000	
BC	Vancouver	ALLOTMENT	491600	1230700	45	100	300	
BC	Vernon	CHBC-TV-2	501658	1191909	7	184	220	
BC	Vernon	CHKL-TV-2	501658	1191909	12	176.2	240	
BC	Vernon	CBUT-41	501327	1191808	18	52.5	76000	
BC	Vernon	ALLOTMENT	501327	1191808	20	150	6000	
BC	Vernon	ALLOTMENT	501600	1191600	41	100	300	
BC	Vernon	ALLOTMENT	501600	1191600	42	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
BC	Victoria	ALLOTMENT	484628	1231010	6	496.2	580	
BC	Victoria	CBC	483541	1233237	15	504.3	2000	1011
BC	Victoria	CHNU-TV-1	482630	1233400	21	273.7	1700	
BC	Victoria	CHNM-TV-1	482630	1233400	29	265	1800	
BC	Victoria	CIVI-TV	482531	1232008	40	286.5	1000000	
BC	Victoria	CHEK-TV	484628	1231010	49	496.2	105000	
BC	Warfield	ALLOTMENT	490600	1174500	48	100	300	
BC	Whistler	CBUWT	500445	1230100	13	-220	440	
BC	Whistler	ALLOTMENT	500445	1230100	34	100	300	
BC	Williams Lake	ALLOTMENT	520800	1220900	32	150	6000	
BC	Williams Lake	ALLOTMENT	520800	1220900	40	150	6000	
BC	Wilson Creek	CHAN-TV-6	491320	1240010	23	174.3	4500	
BC	Woss Camp	CBUT-13	501010	1263408	12	392	150	
BC	Woss Camp	ALLOTMENT	501010	1263408	51	392	650	
MB	Alonsa	ALLOTMENT	504800	985800	24	100	300	
MB	Alonsa	ALLOTMENT	504800	985800	31	150	6000	
MB	Alonsa	ALLOTMENT	504800	985800	33	150	6000	
MB	Alonsa	ALLOTMENT	504800	985800	34	100	300	
MB	Alonsa	ALLOTMENT	504800	985800	39	150	6000	
MB	Alonsa	ALLOTMENT	504800	985800	41	150	6000	
MB	Alonsa	ALLOTMENT	504800	985800	46	150	6000	
MB	Altona	ALLOTMENT	490600	973300	4	150	115	
MB	Altona	ALLOTMENT	490600	973300	34	150	6000	
MB	Beausejour	ALLOTMENT	500400	963300	23	150	6000	
MB	Boissevain	ALLOTMENT	491400	1000300	29	150	6000	
MB	Boissevain	ALLOTMENT	491400	1000300	41	150	6000	
MB	Brandon	ALLOTMENT	494005	1000040	4	406.9	1200	
MB	Brandon	ALLOTMENT	494005	1000040	5	406.9	1200	
MB	Brandon	CBC	494005	1000040	16	407	216000	
MB	Brandon	ALLOTMENT	495000	995700	18	150	6000	
MB	Brandon	CBWFT-10	495026	1000150	21	104.9	13300	
MB	Brandon	ALLOTMENT	495000	995700	27	150	6000	
MB	Brandon	ALLOTMENT	495000	995700	34	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
MB	Brandon	CKX-TV	494005	1000040	49	406.9	218000	
MB	Brandon	CKYB-TV	494005	1000040	50	406.9	216100	
MB	Carberry	ALLOTMENT	495200	992000	26	150	6000	
MB	Carberry	ALLOTMENT	495200	992000	40	150	6000	
MB	Carman	ALLOTMENT	493200	980000	22	150	6000	
MB	Carman	ALLOTMENT	493200	980000	31	150	6000	
MB	Dauphin	ALLOTMENT	505900	1001500	6	300	2400	
MB	Dauphin	ALLOTMENT	512814	1004310	8	349.6	6600	
MB	Dauphin	CBWST	512814	1004310	9	349.6	6600	
MB	Dauphin	CKYD-TV	512814	1004310	12	353.9	6312	1012
MB	Dauphin	ALLOTMENT	510900	1000300	15	150	6000	
MB	Dauphin	ALLOTMENT	510900	1000300	17	150	6000	
MB	Dauphin	ALLOTMENT	512814	1004310	20	353.9	400800	
MB	Dauphin	ALLOTMENT	510900	1000300	24	150	6000	
MB	Dauphin	ALLOTMENT	510900	1000300	26	150	6000	
MB	Dauphin	ALLOTMENT	512814	1004310	43	349.6	880	
MB	Fairford	CBWGT-2	514250	983450	7	93.9	928	
MB	Fairford	ALLOTMENT	513600	984200	16	100	300	
MB	Fairford	ALLOTMENT	514250	983450	23	93.9	17100	
MB	Fairford	ALLOTMENT	513600	984200	40	100	300	
MB	Fisher Branch	CKYA-TV	510450	973855	8	136.9	57200	
MB	Fisher Branch	CBWGT	510450	973855	10	170.4	32500	
MB	Fisher Branch	ALLOTMENT	510500	973900	32	150	6000	
MB	Fisher Branch	ALLOTMENT	510500	973900	34	150	6000	
MB	Fisher Branch	ALLOTMENT	510500	973900	43	150	6000	
MB	Fisher Branch	ALLOTMENT	510450	973855	45	300	850000	
MB	Fisher Branch	ALLOTMENT	510450	973855	47	286.5	1000000	
MB	Foxwarren	CKX-TV-1	503114	1010423	11	206.1	21000	
MB	Foxwarren	ALLOTMENT	503114	1010423	14	206.1	3200	
MB	Foxwarren	ALLOTMENT	503114	1010423	29	300	850000	
MB	Foxwarren	ALLOTMENT	503114	1010423	33	206.1	3200	
MB	Foxwarren	ALLOTMENT	503114	1010423	36	206.1	3200	
MB	Foxwarren	ALLOTMENT	503114	1010423	42	206.1	3200	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
MB	Foxwarren	ALLOTMENT	503114	1010423	47	206.1	3200	
MB	Gimli	ALLOTMENT	503900	970000	19	150	6000	
MB	Gimli	ALLOTMENT	503900	970000	42	150	6000	
MB	Jackhead	CBWGT-1	515255	971850	5	182.6	7600	
MB	Jackhead	ALLOTMENT	515255	971850	18	300	850000	
MB	Jackhead	ALLOTMENT	515300	971600	22	100	300	
MB	Jackhead	ALLOTMENT	515300	971600	23	100	300	
MB	Killarney	ALLOTMENT	491200	994200	19	150	6000	
MB	Killarney	ALLOTMENT	491200	994200	35	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501506	955725	4	115.9	21200	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	15	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	18	150	6000	
MB	Lac Du Bonnet	CBWT-2	501506	955725	21	286.5	1000000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	30	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	33	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	34	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	36	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	39	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	41	150	6000	
MB	Lac Du Bonnet	ALLOTMENT	501800	960400	47	150	6000	
MB	Little Grand Rapids	CBWZT	520908	952239	9	92.4	964	
MB	Little Grand Rapids	ALLOTMENT	520908	952239	12	150	300	
MB	Manigotagan	ALLOTMENT	510835	961554	16	100.5	300	
MB	Manigotagan	CBWGT-3	510835	961554	22	100.5	298	
MB	Matheson Island	ALLOTMENT	514400	965600	24	150	6000	
MB	Matheson Island	ALLOTMENT	514400	965600	26	150	6000	
MB	Matheson Island	ALLOTMENT	514400	965600	29	150	6000	
MB	Matheson Island	ALLOTMENT	514400	965600	35	150	6000	
MB	Matheson Island	ALLOTMENT	514400	965600	41	150	6000	
MB	Matheson Island	ALLOTMENT	514400	965600	48	150	6000	
MB	Mccreary	ALLOTMENT	504022	993610	11	300	10600	
MB	Mccreary	CKX-TV-3	504022	993610	19	300	850000	
MB	Melita	CKX-TV-2	491650	1005912	9	64.6	89	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
MB	Melita	ALLOTMENT	491600	1010000	43	150	6000	
MB	Melita	ALLOTMENT	491650	1005912	47	100	300	
MB	Melita	ALLOTMENT	491600	1010000	48	150	6000	
MB	Minnedosa	ALLOTMENT	501700	1000637	2	396.2	1300	
MB	Minnedosa	ALLOTMENT	501400	995100	17	100	300	
MB	Minnedosa	CKND-TV-2	501700	1000637	44	396.2	241000	
MB	Morden	ALLOTMENT	491100	980500	30	150	6000	
MB	Morden	ALLOTMENT	491100	980500	50	150	6000	
MB	Neepawa	ALLOTMENT	501300	992900	23	150	6000	
MB	Neepawa	ALLOTMENT	501300	992900	39	100	300	
MB	Oak Lake	ALLOTMENT	494046	1003708	30	150	6000	
MB	Oak Lake	CBWFT-12	494046	1003708	32	131	8200	
MB	Pembina Valley	ALLOTMENT	490800	983700	18	100	300	
MB	Pembina Valley	ALLOTMENT	490800	983700	24	150	6000	
MB	Pembina Valley	ALLOTMENT	490800	983700	36	150	6000	
MB	Pembina Valley	ALLOTMENT	490800	983700	41	100	300	
MB	Pembina Valley	ALLOTMENT	490800	983700	42	150	6000	
MB	Pembina Valley	ALLOTMENT	490800	983700	47	150	6000	
MB	Pine Falls	CBWFT-6	503658	962248	11	110.9	631	
MB	Pine Falls	ALLOTMENT	503658	962248	38	150	6000	
MB	Piney	ALLOTMENT	490706	960121	23	300	115000	
MB	Piney	CBWT-3	490706	960121	29	286.5	1000000	
MB	Portage La Prairie	CHMI-TV	495226	974425	13	324.3	8300	
MB	Portage La Prairie	ALLOTMENT	495700	982500	14	150	6000	
MB	Portage La Prairie	ALLOTMENT	495700	982500	17	150	6000	
MB	Portage La Prairie	ALLOTMENT	495226	974425	32	324.3	600000	
MB	Roblin	ALLOTMENT	511700	1012800	4	150	115	
MB	Roblin	ALLOTMENT	511700	1012800	28	150	6000	
MB	Russell	ALLOTMENT	504700	1011500	22	150	6000	
MB	Selkirk	ALLOTMENT	500900	965200	17	100	300	
MB	Selkirk	ALLOTMENT	500900	965200	26	150	6000	
MB	Ste Rose Du Lac	ALLOTMENT	510415	993116	3	300	2400	
MB	Ste Rose Du Lac	CBWFT-4	510415	993116	14	36.6	201200	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
MB	Ste Rose Du Lac	ALLOTMENT	510400	993100	38	100	300	
MB	Steinbach	ALLOTMENT	493200	964100	11	150	300	
MB	Swan River	ALLOTMENT	520600	1011600	29	150	6000	
MB	Swan River	ALLOTMENT	520600	1011600	33	150	6000	
MB	Vassar	ALLOTMENT	490600	955000	17	150	6000	
MB	Vassar	ALLOTMENT	490600	955000	34	150	6000	
MB	Vassar	ALLOTMENT	490600	955000	41	150	6000	
MB	Vassar	ALLOTMENT	490600	955000	42	150	6000	
MB	Vassar	ALLOTMENT	490600	955000	47	150	6000	
MB	Virden	ALLOTMENT	495100	1005500	13	150	300	
MB	Virden	ALLOTMENT	495100	1005500	35	100	300	
MB	West Hawk Lake	ALLOTMENT	494400	951400	22	150	6000	
MB	West Hawk Lake	ALLOTMENT	494400	951400	24	150	6000	
MB	West Hawk Lake	ALLOTMENT	494400	951400	28	150	6000	
MB	West Hawk Lake	ALLOTMENT	494400	951400	31	150	6000	
MB	West Hawk Lake	ALLOTMENT	494400	951400	40	150	6000	
MB	West Hawk Lake	ALLOTMENT	494400	951400	46	150	6000	
MB	Winnipeg	ALLOTMENT	495300	970900	2	300	600	
MB	Winnipeg	ALLOTMENT	494615	973035	3	300	2400	
MB	Winnipeg	ALLOTMENT	495300	970900	5	300	600	
MB	Winnipeg	ALLOTMENT	494615	973035	6	300	2400	
MB	Winnipeg	CKY-TV	493448	971004	7	284.2	11700	
MB	Winnipeg	CKND-TV	494615	973035	9	276.5	12300	
MB	Winnipeg	ALLOTMENT	495300	970900	25	300	115000	
MB	Winnipeg	CBWT	494615	973035	27	307.8	753000	
MB	Winnipeg	ALLOTMENT	494615	973035	28	300	850000	
MB	Winnipeg	CIIT-TV	494450	970837	35	286.5	1000000	
MB	Winnipeg	HDTV	494520	970752	40	249.70	210000	
MB	Winnipeg	ALLOTMENT	495300	970900	42	100	300	
MB	Winnipeg	ALLOTMENT	495300	970900	43	300	115000	
MB	Winnipeg	ALLOTMENT	493448	971004	46	300	850000	
MB	Winnipeg	ALLOTMENT	495300	970900	48	300	115000	
MB	Winnipeg	ALLOTMENT	495300	970900	49	300	115000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
MB	Winnipeg	CBWFT	494615	973035	51	307.9	762000	
NB	Allardville	ALLOTMENT	472239	652623	3	300	2400	
NB	Allardville	ALLOTMENT	472239	652623	28	300	33	
NB	Allardville	CBAFT-3	472239	652623	36	300	845000	
NB	Allardville	ALLOTMENT	471500	650500	51	100	300	
NB	Bathurst	ALLOTMENT	473600	653900	23	150	6000	
NB	Bathurst	ALLOTMENT	473600	653900	24	150	6000	
NB	Bon Accord	CBAT-TV-1	463857	673535	6	346.5	1700	1013
NB	Bon Accord	ALLOTMENT	463900	673500	28	222.9	60	
NB	Bon Accord	ALLOTMENT	463900	673500	43	222.9	60	
NB	Buctouche	ALLOTMENT	462800	644300	47	150	6000	
NB	Campbellton	ALLOTMENT	480807	660700	4	412.7	1100	
NB	Campbellton	ALLOTMENT	480458	663453	7	300	10600	
NB	Campbellton	CBAFT-7	480458	663453	9	233.7	16700	1014
NB	Campbellton	CKCD-TV	480458	663453	21	300	846000	
NB	Campbellton	CBAT-TV-4	480807	660700	34	412.7	205000	
NB	Campbellton	ALLOTMENT	480000	664000	35	100	300	
NB	Chatham	CBAT-TV-3	470332	653438	6	106.1	1860	1015
NB	Chatham	ALLOTMENT	470332	653438	49	286.5	1000000	
NB	Chipman	ALLOTMENT	461100	655300	17	150	6000	
NB	Dorchester	ALLOTMENT	455400	643100	50	100	300	
NB	Edmundston	CIMT-TV-1	472323	681900	4	99.3	31000	
NB	Edmundston	CBAFT-2	472325	681859	13	252	3200	1016
NB	Edmundston	ALLOTMENT	472200	682000	14	300	115000	
NB	Edmundston	ALLOTMENT	472323	681900	32	286.5	1000000	1017
NB	Edmundston	ALLOTMENT	472200	682000	36	300	115000	
NB	Florenceville	ALLOTMENT	462512	673334	3	300	2400	
NB	Florenceville	CKLT-TV-1	462512	673334	24	300	845000	
NB	Fredericton	ALLOTMENT	453457	654741	5	300	2400	
NB	Fredericton	ALLOTMENT	460226	662927	11	300	10600	
NB	Fredericton	CBAFT-10	455651	663542	19	102.8	13900	1018
NB	Fredericton	CBAFT-1	453457	654741	31	300	845000	
NB	Fredericton	ALLOTMENT	455800	663900	32	300	115000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
NB	Fredericton	CIHF-TV-1	460226	662927	44	174.4	603000	
NB	Fredericton	ALLOTMENT	455800	663900	48	300	115000	
NB	Fredericton	ALLOTMENT	460300	664500	50	300	115000	
NB	Grand Falls	ALLOTMENT	470300	674400	15	150	6000	
NB	Grand Falls	ALLOTMENT	470300	674400	49	150	6000	
NB	Mcadam	ALLOTMENT	453600	672000	36	150	6000	
NB	Mcadam	ALLOTMENT	453600	672000	51	150	6000	
NB	Milltown	ALLOTMENT	451000	671800	32	150	6000	
NB	Milltown	ALLOTMENT	451000	671800	45	150	6000	
NB	Miramichi City	ALLOTMENT	470320	652920	30	150	6000	
NB	Miramichi City	CIHF-TV-13	470320	652920	40	119.1	10100	1019
NB	Moncton	ALLOTMENT	455106	644847	2	308.8	2300	
NB	Moncton	CBAT-TV-2	454832	644459	7	343.7	6920	
NB	Moncton	CBAFT	460841	645414	11	238	16190	
NB	Moncton	ALLOTMENT	460600	644700	25	300	115000	
NB	Moncton	CIHF-TV-3	454832	644459	27	312.2	99000	1020
NB	Moncton	CKCW-TV	455106	644847	29	308.8	742000	
NB	Moncton	ALLOTMENT	460600	644700	33	100	300	
NB	Moncton	ALLOTMENT	460600	644700	39	150	6000	
NB	Moncton	ALLOTMENT	460600	644700	48	300	115000	
NB	Newcastle	ALLOTMENT	470000	653400	13	150	300	
NB	Oromocto	ALLOTMENT	455100	662900	33	100	300	
NB	Perth-Andover	ALLOTMENT	464400	674200	34	150	6000	
NB	Perth-Andover	ALLOTMENT	464400	674200	50	150	6000	
NB	Richibucto	ALLOTMENT	464100	645200	41	100	300	
NB	Sackville	ALLOTMENT	455400	642200	14	150	6000	
NB	Sackville	ALLOTMENT	455400	642200	18	100	300	
NB	Saint John	ALLOTMENT	452839	661402	4	384.9	1400	
NB	Saint John	CKLT-TV	452839	661402	9	414.8	3800	1021
NB	Saint John	CIHF-TV-2	452840	661403	12	363.9	5780	1022
NB	Saint John	ALLOTMENT	451600	660300	22	300	115000	
NB	Saint John	ALLOTMENT	451600	660300	34	150	6000	
NB	Saint John	CBAT-TV	452839	661402	42	384.9	274000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
NB	Salisbury	ALLOTMENT	460200	650300	21	150	6000	
NB	Shippegan	ALLOTMENT	474500	644200	18	150	6000	
NB	Shippegan	ALLOTMENT	474500	644200	43	150	6000	
NB	St Andrews	ALLOTMENT	450500	670300	26	100	300	
NB	St Andrews	ALLOTMENT	450500	670300	35	100	300	
NB	St-Leonard	ALLOTMENT	471000	675600	26	150	6000	
NB	St-Leonard	ALLOTMENT	471000	675600	39	150	6000	
NB	St-Quentin	ALLOTMENT	473000	672300	30	150	6000	
NB	St-Stephen	CIHF-TV-12	451015	665430	21	240.8	2200	1023
NB	St-Stephen	ALLOTMENT	451015	665430	40	240.8	2200	
NB	Sussex	ALLOTMENT	454300	653100	14	100	300	
NB	Tracadie	ALLOTMENT	473100	645400	25	150	6000	
NB	Tracadie	ALLOTMENT	473100	645400	39	150	6000	
NB	Upsalquitch	ALLOTMENT	472719	662507	11	424.9	3500	
NB	Upsalquitch	CKAM-TV	472719	662507	12	424.9	3430	1024
NB	Woodstock	ALLOTMENT	462512	673334	30	174.3	4500	
NB	Woodstock	CIHF-TV-11	462512	673334	38	174.3	4470	1025
NS	Amherst	ALLOTMENT	455000	641200	15	150	6000	
NS	Amherst	ALLOTMENT	455000	641200	43	150	6000	
NS	Annapolis Royal	ALLOTMENT	444500	653100	49	100	300	
NS	Bridgetown	ALLOTMENT	445000	651800	36	150	6000	
NS	Bridgewater	CIHF-TV-6	442317	644047	9	164.5	7885	
NS	Bridgewater	ALLOTMENT	442317	644047	35	286.5	1000000	
NS	Caledonia	ALLOTMENT	442228	650212	2	300	2400	
NS	Caledonia	CJCH-TV-6	442026	650634	6	192.9	6700	1026
NS	Caledonia	CBHT-9	442228	650212	30	63.4	803	
NS	Caledonia	ALLOTMENT	442026	650634	33	192.9	80	
NS	Caledonia	ALLOTMENT	442200	650200	51	100	300	
NS	Canning	CJCH-TV-1	451212	642406	10	270	2800	
NS	Canning	ALLOTMENT	451212	642406	16	286.5	1000000	
NS	Digby	ALLOTMENT	444035	654404	15	242	2200	
NS	Digby	CBHFT-6	444035	654404	17	242	2200	1027
NS	Digby	CBHT-7	444035	654404	19	248	2000	1028

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
NS	Digby	ALLOTMENT	444035	654404	39	248	2000	1029
NS	Digby	ALLOTMENT	443700	654600	47	150	6000	
NS	Halifax	ALLOTMENT	443903	633928	3	300	2400	
NS	Halifax	ALLOTMENT	443903	633928	5	300	2400	
NS	Halifax	ALLOTMENT	443903	633928	8	300	10600	
NS	Halifax	CBHFT	443903	633928	13	278.7	12200	1030
NS	Halifax	HDTV	443903	633928	14	255.6	193000	
NS	Halifax	CIHF-TV	443903	633928	26	300	845000	
NS	Halifax	ALLOTMENT	443903	633928	32	300	115000	
NS	Halifax	ALLOTMENT	443903	633928	38	300	850000	
NS	Halifax	CBHT	443903	633928	39	300	845000	
NS	Halifax	ALLOTMENT	443900	633600	43	300	115000	
NS	Halifax	CJCH-TV	443903	633928	48	300	845000	
NS	Liverpool	CBHT-1	440359	644300	12	196.9	5310	
NS	Liverpool	ALLOTMENT	440359	644300	25	300	850000	
NS	Liverpool	ALLOTMENT	440200	644300	31	150	6000	
NS	Lunenburg	ALLOTMENT	442300	641900	40	150	6000	
NS	Middleton	CBHT-6	450438	644902	8	244.7	5030	1031
NS	Middleton	ALLOTMENT	450438	644902	23	286.5	1000000	
NS	Middleton	CBHFT-5	450438	644902	46	300	845000	1032
NS	New Glasgow	ALLOTMENT	453200	623814	4	300	2400	
NS	New Glasgow	CBHFT-7	453200	623814	15	153.6	5800	1033
NS	New Glasgow	CIHF-TV-8	452854	623350	34	190.7	3700	1034
NS	New Glasgow	ALLOTMENT	453500	623900	40	150	6000	
NS	New Glasgow	CBHT-5	453200	623814	47	300	850000	
NS	New Glasgow	ALLOTMENT	453200	623814	51	153.6	5800	
NS	Pictou	ALLOTMENT	454100	624300	28	150	6000	
NS	Sheet Harbour	ALLOTMENT	445529	622955	2	150	115	
NS	Sheet Harbour	CBHT-4	445529	622955	11	112.3	20240	
NS	Sheet Harbour	ALLOTMENT	445529	622955	29	300	850000	
NS	Sheet Harbour	CJCH-TV-5	445529	622955	44	70.7	33700	
NS	Shelburne	CBHT-2	434635	651829	7	129.7	66800	1035
NS	Shelburne	ALLOTMENT	434609	652100	10	150	300	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
NS	Shelburne	CIHF-TV-9	434609	652100	28	113.2	11300	
NS	Shelburne	ALLOTMENT	434600	652000	41	150	6000	
NS	Springhill	ALLOTMENT	453900	640300	41	150	6000	
NS	Truro	CIHF-TV-4	451835	632004	18	195.4	3500	1036
NS	Truro	ALLOTMENT	451835	632004	33	195.4	3600	
NS	Truro	CBHT-8	452710	631720	42	149.4	6200	1037
NS	Wolfville	CIHF-TV-5	450239	642122	20	300	846000	1038
NS	Yarmouth	ALLOTMENT	435555	660610	3	300	2400	
NS	Yarmouth	CBHT-3	435555	660610	11	190.1	5700	1039
NS	Yarmouth	ALLOTMENT	435000	660700	19	150	6000	
NS	Yarmouth	ALLOTMENT	435456	660518	33	167.3	4900	
NS	Yarmouth	CJCH-TV-7	435456	660518	40	167.3	4900	1040
NS	Yarmouth	ALLOTMENT	435456	660518	43	167.3	4900	
NS	Yarmouth	CIHF-TV-10	435456	660518	45	167.3	4900	1041
NS	Yarmouth	ALLOTMENT	435555	660610	49	300	850000	
NS	Yarmouth	CBHFT-1	435555	660610	50	300	850000	
NT	Fort Mcpherson	ALLOTMENT	672542	1345145	13	300	10600	
NT	Fort Mcpherson	ALLOTMENT	672542	1345145	14	300	850000	
NT	Inuvik	CHAK-TV	682146	1334143	6	135	140	1042
NT	Inuvik	ALLOTMENT	682146	1334143	9	135	410	
ON	Armstrong	ALLOTMENT	501812	890026	10	300	10600	
ON	Armstrong	ALLOTMENT	501812	890026	35	300	850000	
ON	Arnprior	ALLOTMENT	452600	762100	31	100	300	
ON	Arnprior	ALLOTMENT	452600	762100	48	100	300	
ON	Atikokan	CBWCT-1	484623	913638	7	117.3	560	
ON	Atikokan	ALLOTMENT	484623	913638	16	150	6000	
ON	Atikokan	ALLOTMENT	484500	913700	23	150	6000	
ON	Atikokan	ALLOTMENT	484500	913700	28	150	6000	
ON	Bancroft	ALLOTMENT	450334	771200	2	390	1300	
ON	Bancroft	CIII-TV-2	450334	771200	8	390	4700	
ON	Barrie	ALLOTMENT	442105	794155	3	300	2400	
ON	Barrie	CKVR-TV	442105	794155	10	300	10600	
ON	Barrie	ALLOTMENT	442400	794000	14	150	6000	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Barrie	CBLT-TV-1	442105	794155	16	286.5	1000000	1043
ON	Barrie	ALLOTMENT	442400	794000	22	150	6000	
ON	Barrie	CBLFT-11	442105	794155	42	189	3800	
ON	Barrie	ALLOTMENT	442400	794000	46	150	6000	
ON	Barrie	ALLOTMENT	442105	794155	50	342	470000	
ON	Barry's Bay	CBOT-2	452923	774257	19	170.4	4700	
ON	Barry's Bay	ALLOTMENT	452900	774100	20	150	6000	
ON	Belleville	CBC	441845	771225	9	170.1	250	
ON	Belleville	CBLFT-13	441845	771225	15	170.1	300000	1044
ON	Belleville	CICO-TV-53	441845	771225	26	300	850000	1045
ON	Belleville	ALLOTMENT	441845	771225	33	170.1	4710	
ON	Belleville	ALLOTMENT	441000	772200	39	150	3000	
ON	Blind River	ALLOTMENT	461100	825700	29	150	6000	
ON	Blind River	ALLOTMENT	461100	825700	50	150	6000	
ON	Brantford	ALLOTMENT	430800	801600	34	150	6000	
ON	Brighton	CKWS-TV-1	440237	774740	30	159.5	5500	
ON	Brockville	ALLOTMENT	443600	754100	31	100	300	
ON	Brockville	ALLOTMENT	443600	754100	39	100	300	
ON	Chapleau	CBCU-TV	475115	832508	7	128	500	
ON	Chapleau	CITO-TV-4	475115	832508	8	131.4	450	
ON	Chapleau	ALLOTMENT	475115	832508	9	150	300	
ON	Chapleau	CBLFT-22	474718	832248	13	36.6	9000	
ON	Chapleau	ALLOTMENT	474718	832248	18	150	6000	
ON	Chapleau	ALLOTMENT	475115	832508	26	150	6000	
ON	Chapleau	ALLOTMENT	475000	832400	39	150	6000	
ON	Chapleau	ALLOTMENT	475115	832508	43	150	6000	
ON	Chapleau	ALLOTMENT	475000	832400	50	150	6000	
ON	Chatham	CBLFT-10	422700	820500	12	193.2	300	
ON	Chatham	CICO-TV-59	422700	820500	33	218.5	4200	
ON	Chatham	CBLN-TV-3	422700	820500	42	190.8	3700	
ON	Cloyne	ALLOTMENT	445242	771151	10	300	2300	
ON	Cloyne	CICO-TV-92	445242	771151	44	168.70	12000	
ON	Collingwood	ALLOTMENT	442900	801300	48	100	300	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Cornwall	ALLOTMENT	451035	743138	8	300	10600	
ON	Cornwall	ALLOTMENT	450200	744400	28	150	6000	
ON	Cornwall	ALLOTMENT	450200	744400	29	150	6000	
ON	Cornwall	ALLOTMENT	450200	744400	31	100	300	
ON	Cornwall	CJOH-TV-8	451035	743138	45	286.5	1000000	
ON	Cornwall	ALLOTMENT	450200	744400	47	150	6000	
ON	Deep River	ALLOTMENT	460600	772900	18	150	6000	
ON	Deep River	ALLOTMENT	460600	772900	27	150	6000	
ON	Deseronto	CJOH-TV-6	440830	770434	49	300	850000	1046
ON	Driftwood	ALLOTMENT	490800	812300	19	150	6000	
ON	Driftwood	ALLOTMENT	490800	812300	22	150	6000	
ON	Dryden	CBWFT-9	494549	924052	6	145.6	12600	
ON	Dryden	CBWDT-1	494549	924052	9	173.4	32000	
ON	Dryden	ALLOTMENT	494700	924900	27	150	6000	
ON	Dryden	ALLOTMENT	494700	924900	43	300	850000	
ON	Dryden	ALLOTMENT	494549	924052	45	286.5	1000000	
ON	Dryden	ALLOTMENT	494549	924052	47	286.5	1000000	
ON	Elliot Lake	ALLOTMENT	462547	824009	3	300	2400	
ON	Elliot Lake	CBEC-TV	462316	823716	7	173.5	32000	
ON	Elliot Lake	CBLFT-6	462321	823706	12	162.2	37000	1047
ON	Elliot Lake	CICI-TV-1	462547	824009	30	286.5	1000000	
ON	Elliot Lake	ALLOTMENT	462300	823900	36	150	6000	
ON	Fort Erie	CIII-TV-55	425535	790536	48	118.4	105000	
ON	Fort Frances	CBWCT	484818	935324	5	201.2	6200	
ON	Fort Frances	CBWFT-11	483822	934314	15	173.7	4600	
ON	Fort Frances	ALLOTMENT	483822	934314	41	173.7	4510	
ON	Fort Frances	ALLOTMENT	484818	935324	48	300	850000	
ON	Foymount	CBOT-1	452548	771815	14	286.5	1000000	
ON	Geraldton	CBLFT-26	494340	864410	7	204.2	21500	
ON	Geraldton	CBLGT	494340	864410	13	182.3	28000	
ON	Geraldton	ALLOTMENT	494340	864410	33	286.5	1000000	
ON	Geraldton	ALLOTMENT	494340	864410	48	300	850000	
ON	Goderich	ALLOTMENT	434500	814300	50	100	300	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Gogama	CBLFT-21	474846	813540	12	197.8	185	
ON	Gogama	ALLOTMENT	474000	814300	22	150	6000	
ON	Gogama	ALLOTMENT	474000	814300	23	150	6000	
ON	Gogama	ALLOTMENT	474000	814300	29	150	6000	
ON	Gogama	ALLOTMENT	474846	813540	36	197.8	3500	
ON	Golden Lake	ALLOTMENT	453500	771400	21	150	6000	
ON	Golden Lake	ALLOTMENT	453500	771400	41	150	6000	
ON	Hamilton	CHCH-TV	431227	794628	11	358	6100	
ON	Hamilton	CKXT-TV-1	431227	794628	15	338	493000	
ON	Hamilton	CITS-TV	431227	794628	36	338.2	493000	
ON	Hanover	ALLOTMENT	440900	810200	50	100	300	
ON	Hawkesbury	ALLOTMENT	453007	744117	31	100	300	
ON	Hawkesbury	CHLF-TV-2	453007	744117	39	100	1000	
ON	Hawkesbury	CICO-TV-96	453007	744117	48	100	500	
ON	Hearst	ALLOTMENT	493850	835030	4	300	2400	
ON	Hearst	CBCC-TV	493850	835030	5	146.6	12500	
ON	Hearst	CBLFT-5	493850	835030	7	186.2	26500	1048
ON	Hearst	ALLOTMENT	493850	835030	40	286.5	1000000	
ON	Hearst	ALLOTMENT	493850	835030	41	286.5	1000000	
ON	Hearst	CITO-TV-3	493850	835030	42	286.5	1000000	
ON	Huntsville	ALLOTMENT	452438	791522	8	300	10600	
ON	Huntsville	CKNY-TV-11	451944	785756	11	195.4	24000	
ON	Huntsville	CICA-TV-13	451546	792146	13	181.7	28200	1049
ON	Huntsville	ALLOTMENT	451944	785756	40	300	850000	
ON	Huntsville	CBLT-TV-2	452438	791522	45	300	850000	
ON	Kapuskasing	ALLOTMENT	492328	822128	2	300	2400	
ON	Kapuskasing	ALLOTMENT	491747	821110	8	300	10600	
ON	Kapuskasing	CITO-TV-1	492328	822128	10	102.5	132000	
ON	Kapuskasing	CBLFT-4	491747	821110	12	133.5	62000	
ON	Kapuskasing	ALLOTMENT	492500	822600	15	150	6000	
ON	Kapuskasing	CBLT-9	492328	822128	17	286.5	1000000	
ON	Kapuskasing	ALLOTMENT	492500	822600	18	150	6000	
ON	Kapuskasing	ALLOTMENT	492500	822600	19	100	300	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Kapuskasing	ALLOTMENT	492500	822600	26	150	6000	
ON	Kenora	ALLOTMENT	494606	943016	2	300	2400	
ON	Kenora	CBWAT	494606	943016	8	132	64000	
ON	Kenora	CJBN-TV	494616	943118	13	86.6	50	
ON	Kenora	ALLOTMENT	494208	944714	14	300	115000	
ON	Kenora	ALLOTMENT	494616	943118	16	100	300	
ON	Kenora	ALLOTMENT	494600	942900	35	300	115000	
ON	Kenora	ALLOTMENT	494600	942900	36	150	6000	
ON	Kenora	ALLOTMENT	494600	942900	38	150	6000	
ON	Kenora	ALLOTMENT	494600	942900	39	300	115000	
ON	Kenora	CICO-TV-91	494208	944714	44	286.5	1000000	
ON	Kenora	CBWFT-7	494606	943016	50	286.5	1000000	
ON	Kingston	CKWS-TV	441002	762540	11	311.9	9400	
ON	Kingston	ALLOTMENT	441400	763000	19	150	6000	
ON	Kingston	ALLOTMENT	441400	763000	23	150	6000	
ON	Kingston	CBC	441722	762850	32	300	850000	1050
ON	Kingston	CBLFT-14	441722	762850	36	169.8	650000	1051
ON	Kingston	CICO-TV-38	441722	762850	38	300	850000	1052
ON	Kingston	ALLOTMENT	441400	763000	48	150	6000	
ON	Kitchener	CKCO-TV	432415	803805	13	291.61	12000	
ON	Kitchener	CBLFT-8	431539	802639	17	300	115000	
ON	Kitchener	CICO-TV-28	431539	802639	28	296.3	885000	1053
ON	Kitchener	CBLN-TV-1	431539	802639	29	260	110000	1054
ON	Kitchener	ALLOTMENT	432700	803608	39	300	115000	
ON	Little Current	ALLOTMENT	455601	815933	6	300	600	
ON	Little Current	CBCE-TV	455601	815933	16	286.5	1000000	
ON	London	ALLOTMENT	425720	812120	3	300	600	
ON	London	CBLFT-9	425720	812120	7	301.6	10000	1055
ON	London	CFPL-TV	425715	811558	10	304.8	10100	
ON	London	ALLOTMENT	425720	812120	14	197.6	3500	
ON	London	CICO-TV-18	425720	812120	18	313.8	1200	
ON	London	SUNTV	425720	812120	19	300	115000	
ON	London	CJMT-TV-1	425720	812120	20	197.6	25000	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	London	ALLOTMENT	425720	812120	23	300	115000	
ON	London	CHCH-TV-2	425027	815130	24	300	850000	1056
ON	London	CITS-TV-2	425720	812120	38	268	1700	
ON	London	CFMT-TV-1	425720	812120	48	197.6	500000	
ON	London	CBLN-TV	425720	812120	49	220	500000	
ON	London	ALLOTMENT	425027	815130	51	262	300000	
ON	Manitouwage	CBLAT-1	490821	854924	8	182.6	28000	
ON	Manitouwage	CBLFT-25	490821	854923	15	286.5	1000000	
ON	Manitouwage	ALLOTMENT	490700	855000	20	100	300	
ON	Manitouwage	ALLOTMENT	490700	855000	26	150	6000	
ON	Manitouwage	ALLOTMENT	490821	854924	28	300	850000	
ON	Manitouwage	ALLOTMENT	490821	854923	36	300	115000	
ON	Marathon	CBLAT-4	484513	863508	11	284.1	12000	
ON	Marathon	ALLOTMENT	484513	863508	44	300	850000	
ON	Mattawa	ALLOTMENT	461900	784200	19	150	6000	
ON	Mattawa	ALLOTMENT	461713	784036	26	150	6000	
ON	Mattawa	ALLOTMENT	461713	784036	30	150	6000	
ON	Mattawa	CBLFT-27	461713	784036	43	93	18000	
ON	Mattawa	ALLOTMENT	461900	784200	48	150	6000	
ON	Maynooth	CBOT-4	451337	775230	48	121.5	210	
ON	Mcarthur's Mills	ALLOTMENT	450518	773850	31	125	191	
ON	Mcarthur's Mills	CBOT-5	450518	773850	33	125	191	
ON	Mcarthur's Mills	ALLOTMENT	450518	773850	42	150	6000	
ON	Mcarthur's Mills	CICO-TV-93	450518	773850	46	300	850000	1059
ON	Midland	CIII-TV-7	445814	794658	7	345	6900	
ON	Midland	ALLOTMENT	445814	794658	27	305	785000	
ON	Muskoka	CHCH-TV-3	445814	794658	23	305	800000	
ON	Nipigon	ALLOTMENT	485818	881824	14	263.9	1800	
ON	Nipigon	CBLK-TV	485818	881824	16	263.9	2000	
ON	Nipigon	ALLOTMENT	485818	881824	24	263.9	1800	
ON	Nipigon	CBLFT-19	485818	881824	26	263.9	2000	
ON	Normandale	CBLN-TV-6	424335	801732	42	101	295	
ON	North Bay	ALLOTMENT	461810	792440	2	300	2400	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	North Bay	ALLOTMENT	460348	792603	4	300	2400	
ON	North Bay	CICA-TV-6	460346	792605	6	203.3	6000	1060
ON	North Bay	CKNY-TV	460348	792603	10	185.6	27000	
ON	North Bay	CHCH-TV-6	461810	792440	22	116	230	
ON	North Bay	CFGC-TV-2	461810	792440	32	286.5	1000000	
ON	North Bay	CBLT-4	460348	792603	38	286.5	1000000	
ON	North Bay	ALLOTMENT	461900	792800	41	300	115000	
ON	North Bay	ALLOTMENT	461900	792800	50	150	6000	
ON	Opasatika	ALLOTMENT	493200	825200	29	150	6000	
ON	Opasatika	ALLOTMENT	493200	825200	30	150	6000	
ON	Orillia	ALLOTMENT	445204	793542	15	300	115000	
ON	Orillia	CFTO-TV-21	445204	793542	21	300	850000	
ON	Orillia	ALLOTMENT	443700	792500	31	100	300	
ON	Orillia	ALLOTMENT	443700	792500	43	100	300	
ON	Oshawa	CHEX-TV-2	435715	784824	22	133.5	170	
ON	Oshawa	ALLOTMENT	435715	784824	48	133.5	170	
ON	Ottawa	ALLOTMENT	453011	755102	4	300	2400	
ON	Ottawa	CIII-TV-6	453011	755102	6	257.30	3500	
ON	Ottawa	CBOFT	453011	755102	9	424.9	3500	
ON	Ottawa	ALLOTMENT	451301	753351	11	300	10600	
ON	Ottawa	ALLOTMENT	453011	755102	12	257.3	14000	
ON	Ottawa	CJOH-TV	453011	755102	13	373.4	5300	
ON	Ottawa	CJMT-TV-2	451301	753351	17	300	850000	
ON	Ottawa	CITY-TV-3	451301	753351	20	300	845000	1061
ON	Ottawa	CHCH-TV-1	451301	753351	22	300	845000	
ON	Ottawa	CICO-TV-24	453011	755102	24	332.8	535000	
ON	Ottawa	CBOT	453011	755102	25	397.5	480000	
ON	Ottawa	CFMT-TV-2	451301	753351	27	300	850000	1062
ON	Ottawa	SUNTV	453011	755102	33	424.90	31000	
ON	Ottawa	CITS-TV-1	451301	753351	42	300	850000	
ON	Ottawa	CHRO-TV-43	451301	753351	43	300	845000	
ON	Ottawa	HDTV	451301	753351	50	120	1000000	1063
ON	Owen Sound	ALLOTMENT	442645	810000	4	300	2400	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Owen Sound	ALLOTMENT	442639	810238	11	300	2260	
ON	Owen Sound	CICA-TV-12	442639	810238	12	134	61000	1064
ON	Owen Sound	CIII-TV-4	442645	810000	26	286.5	1000000	
ON	Paris	CIII-TV	431539	802639	6	316.1	4000	
ON	Parry Sound	CICE-TV-11	452324	800221	31	107.1	270	
ON	Parry Sound	ALLOTMENT	452324	800221	41	150	6000	
ON	Parry Sound	ALLOTMENT	452324	800221	42	107.1	270	
ON	Pembroke	ALLOTMENT	460240	772806	3	300	2400	
ON	Pembroke	ALLOTMENT	455002	770950	5	300	2400	
ON	Pembroke	ALLOTMENT	455002	770950	7	300	10600	
ON	Pembroke	CHLF-TV-13	455002	770950	16	286.5	1000000	1065
ON	Pembroke	CICE-TV-16	455002	770950	28	286.5	1000000	
ON	Pembroke	ALLOTMENT	455002	770950	29	300	115000	
ON	Pembroke	CJOH-TV-47	455002	770950	36	286.5	1000000	
ON	Pembroke	CBOT-6	460240	772806	39	286.5	1000000	
ON	Pembroke	ALLOTMENT	455002	770950	47	300	115000	
ON	Pembroke	CHRO-TV	455002	770950	51	286.5	1000000	
ON	Penetanguishene	CICA-TV-51	444610	795925	29	286.5	1000000	
ON	Penetanguishene	CBLFT-15	444610	795925	34	181.7	4100	
ON	Penetanguishene	ALLOTMENT	444610	795925	36	181.7	4100	
ON	Penetanguishene	ALLOTMENT	444610	795925	50	300	115000	
ON	Penetanguishene	ALLOTMENT	444610	795925	51	300	115000	
ON	Peterborough	CHEX-TV	441945	781803	12	316.5	20000	
ON	Peterborough	CICO-TV-74	440715	780811	18	284.4	1000000	1066
ON	Peterborough	CBC	440711	780812	24	267.6	167000	1067
ON	Peterborough	CIII-TV-27	440414	780836	27	278.5	375000	1068
ON	Peterborough	ALLOTMENT	441945	781803	34	300	330000	1069
ON	Peterborough	CFTO-TV-54	442644	783200	35	300	850000	
ON	Peterborough	CBLFT-12	440711	780812	42	267.6	1700	
ON	Prescott	ALLOTMENT	444955	753117	3	118.2	9	
ON	Prescott	CKWS-TV-2	444955	753117	48	118.2	220	
ON	Red Lake	ALLOTMENT	510118	934944	7	300	10600	
ON	Red Lake	CBWET	510118	934944	10	73.2	330000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Red Lake	ALLOTMENT	510118	934944	20	300	850000	
ON	Red Lake	ALLOTMENT	510118	934944	49	300	850000	
ON	Renfrew	ALLOTMENT	452800	764100	26	100	300	
ON	Sarnia	CKCO-TV-3	424253	820812	27	303	810000	1070
ON	Sarnia	CBLN-TV-2	425431	822019	34	98	400	
ON	Sarnia	ALLOTMENT	425431	822019	46	100	300	
ON	Sarnia-Oil Springs	CBLFT-17	425431	822019	17	133.5	7900	
ON	Sarnia-Oil Springs	CIII-TV-29	424321	821000	29	209	450000	1071
ON	Sault Ste Marie	ALLOTMENT	463540	842100	2	300	2400	
ON	Sault Ste Marie	ALLOTMENT	463540	842100	5	300	2400	
ON	Sault Ste Marie	CIII-TV-12	463550	841653	7	135.1	410	1072
ON	Sault Ste Marie	ALLOTMENT	463550	841653	12	300	10600	
ON	Sault Ste Marie	CHBX-TV	463540	842100	13	182.9	28000	
ON	Sault Ste Marie	ALLOTMENT	463550	841653	15	286.5	1000000	1073
ON	Sault Ste Marie	ALLOTMENT	463550	841653	16	300	850000	
ON	Sault Ste Marie	ALLOTMENT	463100	842000	19	300	115000	
ON	Sault Ste Marie	CICO-TV-20	463540	842100	20	286.5	1000000	
ON	Sault Ste Marie	CBLT-5	463540	842100	21	286.5	1000000	
ON	Sault Ste Marie	ALLOTMENT	463540	842100	25	300	115000	
ON	Sault Ste Marie	CBLFT-20	463550	841653	26	135	8000	
ON	Sault Ste Marie	ALLOTMENT	463550	841653	32	112.5	240	
ON	Sault Ste Marie	CHCH-TV-5	463550	841653	38	112.5	250	
ON	Sault Ste Marie	ALLOTMENT	463100	842000	44	300	115000	
ON	Sault Ste Marie	ALLOTMENT	463100	842000	46	300	115000	
ON	Sioux Lookout	CBWDT-1	500431	920140	12	202.4	22000	
ON	Sioux Lookout	ALLOTMENT	500431	920140	51	300	850000	
ON	Smiths Falls	CKWS-TV-3	450042	760317	47	100	1000	
ON	Stevenson	ALLOTMENT	420341	822905	6	300	600	
ON	Stevenson	CIII-TV-22	420341	822905	22	110	600000	1074
ON	Stratford	ALLOTMENT	432200	805700	46	100	300	
ON	Sturgeon Falls	CBLFT-1	462510	795604	7	188.1	5900	1075
ON	Sturgeon Falls	ALLOTMENT	462510	795604	15	286.5	1000000	
ON	Sturgeon Falls	ALLOTMENT	462200	795600	29	100	300	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Sturgeon Falls	ALLOTMENT	462200	795600	42	150	6000	
ON	Sudbury	ALLOTMENT	463003	810113	5	300	2400	
ON	Sudbury	CICI-TV	463003	810113	8	324.2	8500	
ON	Sudbury	CBLT-6	463003	810113	9	221	19000	
ON	Sudbury	CFGC-TV	463019	805734	11	137	13000	
ON	Sudbury	CBLFT-2	463014	805804	13	149.7	9800	1076
ON	Sudbury	CICO-TV-19	462529	810054	19	286.5	1000000	
ON	Sudbury	ALLOTMENT	462529	810054	20	300	115000	
ON	Sudbury	CHLF-TV-1	462529	810054	25	286.5	1000000	
ON	Sudbury	ALLOTMENT	463003	810113	35	300	850000	
ON	Sudbury	ALLOTMENT	462529	810054	39	171.9	4600	
ON	Sudbury	CHCH-TV-4	462529	810054	41	171.9	4700	
ON	Sudbury	ALLOTMENT	463000	810000	43	300	115000	
ON	Sudbury	ALLOTMENT	463000	810000	45	300	115000	
ON	Sudbury	ALLOTMENT	463000	810000	46	300	115000	
ON	Sudbury	ALLOTMENT	463014	805804	47	286.5	1000000	
ON	Sudbury	ALLOTMENT	463019	805734	50	286.5	1000000	
ON	Temagami	CBCQ-TV-1	470408	794716	18	60.4	51000	
ON	Temagami	ALLOTMENT	470400	794700	44	150	6000	
ON	Temagami	ALLOTMENT	470400	794700	51	150	6000	
ON	Thessalon	ALLOTMENT	461500	833300	36	150	6000	
ON	Thunder Bay	ALLOTMENT	483130	890650	2	366.2	1510	
ON	Thunder Bay	ALLOTMENT	483130	890650	4	366.2	1510	
ON	Thunder Bay	CBC_NEW	483302	891325	7	237.7	16500	
ON	Thunder Bay	CICO-TV-9	483302	891325	9	237.7	16500	
ON	Thunder Bay	CBLFT-18	483302	891325	12	237.7	16500	
ON	Thunder Bay	ALLOTMENT	482300	891500	14	100	300	
ON	Thunder Bay	ALLOTMENT	482300	891500	30	300	115000	
ON	Thunder Bay	ALLOTMENT	482300	891500	39	300	115000	
ON	Thunder Bay	CHFD-TV	483130	890650	46	366.2	350000	
ON	Thunder Bay	CKPR-TV	483130	890650	49	366.2	350000	
ON	Thunder Bay	ALLOTMENT	482300	891500	51	300	115000	
ON	Timmins	ALLOTMENT	483250	805709	3	300	2400	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Timmins	CBLT-7	483250	805709	6	174.6	8500	
ON	Timmins	CICA-TV-7	482812	811750	7	197.7	23000	
ON	Timmins	CBLFT-3	482812	811750	9	220	19000	
ON	Timmins	CHCH-TV-7	482812	811750	11	142.2	370	1077
ON	Timmins	CIII-TV-13	482812	811750	13	176.9	30000	
ON	Timmins	ALLOTMENT	482812	811750	14	300	850000	
ON	Timmins	ALLOTMENT	482900	812000	21	150	6000	
ON	Timmins	ALLOTMENT	482900	812000	25	300	115000	
ON	Timmins	ALLOTMENT	483250	805709	27	300	850000	
ON	Timmins	ALLOTMENT	482900	812000	30	300	115000	
ON	Timmins	ALLOTMENT	482900	812000	31	300	115000	
ON	Timmins	ALLOTMENT	482812	811750	44	286.5	1000000	
ON	Timmins	ALLOTMENT	482900	812000	45	300	115000	
ON	Timmins	CITO-TV	483250	805709	48	286.5	1000000	
ON	Toronto	ALLOTMENT	433833	792315	5	463.3	740	
ON	Toronto	ALLOTMENT	433833	792315	8	463.3	3000	1078
ON	Toronto	CFTO-TV	433833	792315	9	467	2400	
ON	Toronto	CICA-TV	433833	792315	19	491	106500	
ON	Toronto	CBLT	433833	792315	20	499.8	99600	
ON	Toronto	YESTV	433856	792255	21	303.70	9000	
ON	Toronto	CBLFT	433833	792315	25	499.8	99000	
ON	Toronto	HDTV	433856	792255	30	303.70	5000	
ON	Toronto	CKXT-TV	433833	792315	40	467	107000	
ON	Toronto	CIII-TV-41	433833	792315	41	501.4	100000	
ON	Toronto	CJMT-TV	433856	792255	44	303.7	1000000	
ON	Toronto	CFMT-TV	433833	792315	47	501.4	99000	
ON	Toronto	CITY-TV	433833	792315	51	463.3	23000	
ON	Trenton	ALLOTMENT	440600	773500	4	150	115	
ON	Trenton	ALLOTMENT	440600	773500	40	150	6000	
ON	Vermilion Bay	ALLOTMENT	495100	932400	14	150	6000	
ON	Vermilion Bay	ALLOTMENT	495100	932400	20	150	6000	
ON	Vermilion Bay	ALLOTMENT	495100	932400	42	150	6000	
ON	Wawa	ALLOTMENT	475900	844700	6	150	115	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
ON	Wawa	CHBX-TV-1	480113	844500	7	163.7	36000	1079
ON	Wawa	CBLAT-3	480113	844500	9	187.3	26000	
ON	Wawa	CBLFT-23	480113	844500	16	154.5	5800	
ON	Wawa	ALLOTMENT	475900	844700	21	150	6000	
ON	Wawa	ALLOTMENT	475900	844700	27	150	6000	
ON	Wawa	ALLOTMENT	480113	844500	45	300	850000	
ON	Wawa	ALLOTMENT	480113	844500	51	154.5	5800	
ON	Welland	ALLOTMENT	425900	791500	42	100	300	
ON	Welland	ALLOTMENT	425900	791500	50	100	300	
ON	Wheatley	CHWI-TV	420830	822648	16	168.2	540000	1080
ON	Wheatley	ALLOTMENT	420830	822648	47	168.2	540000	1081
ON	White River	CBLAT-2	483745	851124	12	232	17000	
ON	White River	ALLOTMENT	483745	851124	34	300	850000	
ON	Wiarton	ALLOTMENT	445641	810755	2	300	2400	
ON	Wiarton	CKCO-TV-2	445641	810755	17	286.5	1000000	
ON	Wiarton	ALLOTMENT	444437	805416	20	300	115000	
ON	Wiarton	CBLN-TV-5	444437	805416	35	286.5	1000000	1082
ON	Windsor	CBET	420909	825705	9	190.6	26000	1083
ON	Windsor	CHWI-TV-60	421858	830224	25	93.8	40000	1084
ON	Windsor	CICO-TV-32	420909	825705	32	214.3	350000	
ON	Windsor	CBEFT	420909	825705	35	286.5	1000000	1085
ON	Wingham	ALLOTMENT	440526	811226	8	300	10600	
ON	Wingham	CKNX-TV	440526	811226	33	286.5	1000000	
ON	Wingham	CBLN-TV-4	440104	811146	45	286.5	1000000	
ON	Woodstock	CITY-TV-2	430246	804605	31	293	125000	
PE	Charlottetown	ALLOTMENT	461400	630800	3	300	600	
PE	Charlottetown	CKCW-TV-1	461605	632030	8	149	9830	1086
PE	Charlottetown	ALLOTMENT	461605	632030	10	300	10600	
PE	Charlottetown	CBCT	461244	632032	13	279.8	12060	
PE	Charlottetown	ALLOTMENT	461400	630800	14	100	300	
PE	Charlottetown	ALLOTMENT	461244	632032	22	300	845000	1087
PE	Charlottetown	ALLOTMENT	461400	630800	25	300	115000	
PE	Charlottetown	ALLOTMENT	461244	632032	31	300	845000	1088

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
PE	Charlottetown	CBAFT-5	461244	632032	32	300	845000	1089
PE	Charlottetown	CIHF-TV-14	462159	632438	42	146.7	6400	1090
PE	Charlottetown	ALLOTMENT	462159	632438	43	150	6000	
PE	Charlottetown	ALLOTMENT	461605	632030	45	286.5	1000000	
PE	St Edward	ALLOTMENT	465334	640856	4	150	115	
PE	St Edward	CKCW-TV-2	465334	640856	5	103.9	260	1091
PE	St Edward	CBAFT-6	465334	640856	9	84.9	49	1092
PE	St Edward	CBCT-1	465334	640856	26	89.5	19100	
PE	St Edward	ALLOTMENT	465334	640856	33	103.9	13600	
PE	St Edward	ALLOTMENT	465334	640856	35	100	300	
PE	Summerside	ALLOTMENT	462400	634700	34	150	6000	
PE	Summerside	ALLOTMENT	462400	634700	40	150	6000	
QC	Alma	ALLOTMENT	483300	713900	23	150	6000	
QC	Alma	ALLOTMENT	483300	713900	29	150	6000	
QC	Alma	ALLOTMENT	483149	713758	30	100	300	
QC	Alma	CBJET-1	483149	713758	32	60	1000	
QC	Alma	ALLOTMENT	483300	713900	35	150	6000	
QC	Alma	ALLOTMENT	483300	713900	50	150	6000	
QC	Asbestos	ALLOTMENT	454600	715700	31	100	300	
QC	Baie St-Paul	ALLOTMENT	472700	703000	18	100	300	
QC	Baie St-Paul	ALLOTMENT	472700	703000	30	100	300	
QC	Baie-Comeau	ALLOTMENT	491359	680832	7	300	10600	
QC	Baie-Comeau	CFTF-TV-5	491401	680826	9	88	1100	
QC	Baie-Comeau	CBST-19	491359	680832	10	103	750	
QC	Baie-Comeau	ALLOTMENT	491300	681000	19	150	6000	
QC	Baie-Comeau	ALLOTMENT	491359	680832	21	150	6000	
QC	Baie-Comeau	ALLOTMENT	491401	680826	25	88	20000	
QC	Baie-Comeau	CBMIT	491359	680832	28	108	12600	
QC	Baie-Comeau	ALLOTMENT	491300	681000	29	150	6000	
QC	Baie-Comeau	ALLOTMENT	491300	681000	31	150	6000	
QC	Baie-Comeau	ALLOTMENT	491359	680832	32	103	14000	
QC	Baie-Comeau	ALLOTMENT	491359	680832	33	150	6000	
QC	Baie-Comeau	ALLOTMENT	491300	681000	35	150	6000	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Baie-Trinité	CIVF-TV	492328	672818	12	148.2	46000	
QC	Baie-Trinité	ALLOTMENT	492500	671800	17	300	115000	
QC	Baie-Trinité	ALLOTMENT	492500	671800	41	300	115000	
QC	Baie-Trinité	ALLOTMENT	492328	672818	49	300	850000	
QC	Bearn/Fabre	ALLOTMENT	471516	792238	3	300	2400	
QC	Bearn/Fabre	CKRN-TV-3	471516	792238	7	165.5	35000	1093
QC	Bearn/Fabre	ALLOTMENT	471516	792238	24	286.5	1000000	
QC	Bearn/Fabre	ALLOTMENT	471516	792238	27	165.5	5000	
QC	Beauceville	CBVT-6	461342	704528	6	154.1	11100	
QC	Beauceville	ALLOTMENT	461342	704528	10	154.1	42000	
QC	Bolton-Est	ALLOTMENT	450344	721754	16	362.6	800	
QC	Bolton-Est	ALLOTMENT	450344	721754	47	362.6	800	
QC	Cabano	ALLOTMENT	474100	685400	21	150	6000	
QC	Carleton	ALLOTMENT	480808	660701	2	418.9	1100	
QC	Carleton	CHAU-TV	480808	660701	5	493.3	600	
QC	Carleton	CIVK-TV	480808	660701	15	459	140000	
QC	Carleton	CFTF-TV-11	480808	660701	44	418.9	195000	
QC	Carleton	CBGAT-14	480808	660701	47	466.9	130000	
QC	Chandler	CHAU-TV-4	482122	644108	6	-14.9	150	
QC	Chandler	CBGAT-15	481818	644159	8	-14.3	400	
QC	Chandler	ALLOTMENT	481818	644159	22	100	300	
QC	Chandler	CBVB-TV	481818	644159	23	-8.2	4000	
QC	Chandler	ALLOTMENT	482122	644108	26	100	300	
QC	Chapeau	CBOFT-1	455529	770423	11	114	600	
QC	Chapeau	CIVP-TV	455529	770423	23	98.8	15500	
QC	Chicoutimi	ALLOTMENT	482609	710234	2	300	2400	
QC	Chicoutimi	CJPM-TV	482427	710508	6	134.1	16000	
QC	Chicoutimi	CIVV-TV	483604	704946	8	593.8	90000	1094
QC	Chicoutimi	ALLOTMENT	483604	704946	16	591.7	59000	
QC	Chicoutimi	CBJET	482529	710632	21	160	5500	
QC	Chicoutimi	ALLOTMENT	482600	710400	24	150	6000	
QC	Chicoutimi	ALLOTMENT	482600	710400	40	150	6000	
QC	Chicoutimi	ALLOTMENT	482600	710400	44	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Chicoutimi	ALLOTMENT	482427	710508	46	300	850000	
QC	Cloridorme	CBGAT-16	491127	645334	8	34.4	350	1095
QC	Cloridorme	ALLOTMENT	491127	645334	11	300	10600	
QC	Cloridorme	CHAU-TV-8	491127	645334	16	34.4	3100	
QC	Cloridorme	ALLOTMENT	491127	645334	28	34.4	3100	
QC	Donnacona	ALLOTMENT	464000	714400	17	100	300	
QC	Donnacona	ALLOTMENT	464000	714400	35	100	300	
QC	Drummondville	ALLOTMENT	455300	723000	29	150	6000	
QC	Escuminac	CBVA-TV	480316	662718	18	33.8	3200	
QC	Escuminac	ALLOTMENT	480316	662718	28	100	300	
QC	Estcourt	ALLOTMENT	473014	691756	23	150	6000	
QC	Forestville	CFTF-TV-4	484832	690030	4	120	20000	
QC	Forestville	ALLOTMENT	484832	690030	5	120	20000	1096
QC	Forestville	ALLOTMENT	484500	690600	15	150	6000	
QC	Forestville	ALLOTMENT	484500	690600	23	150	6000	
QC	Forestville	ALLOTMENT	484832	690030	34	286.5	1000000	
QC	Forestville	ALLOTMENT	484832	690030	42	300	115000	
QC	Gascons	ALLOTMENT	481241	645217	29	300	115000	
QC	Gascons	CIVK-TV-1	481241	645217	32	286.5	1000000	
QC	Gaspé	CHAU-TV-6	485015	642935	7	73.8	1600	
QC	Gaspé	CBGAT-17	485001	641527	9	418.4	3700	
QC	Gaspé	CBVG-TV	485001	641527	18	424.5	600	
QC	Gaspé	ALLOTMENT	485015	642935	30	73.8	31000	
QC	Gaspé	ALLOTMENT	485001	641527	33	418.4	33000	
QC	Gaspé	CIVK-TV-3	485001	641527	35	424.5	550	
QC	Grande-Vallée	CBGAT-3	491300	651042	6	242.6	42	
QC	Grande-Vallée	ALLOTMENT	491300	651042	23	242.6	2200	
QC	Grand-Fonds	ALLOTMENT	474500	700700	24	300	115000	
QC	Grand-Fonds	CIVB-TV-1	474647	700910	31	508	95000	
QC	Hull	CIVO-TV	453011	755102	30	353.2	406000	
QC	Hull	CFGS-TV	453011	755102	34	353.2	406000	
QC	Hull	CHOT-TV	453011	755102	40	353.2	200000	
QC	Joliette	ALLOTMENT	460100	732600	43	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Jonquière	ALLOTMENT	483607	704946	4	566.5	410	
QC	Jonquière	CKTV-TV	483604	704946	12	591.7	1100	
QC	Jonquière	CFRS-TV	483607	704946	13	566.5	1300	
QC	Jonquière	ALLOTMENT	482500	711500	19	300	115000	
QC	Jonquière	ALLOTMENT	483607	704946	38	566.5	68000	
QC	Jonquière	ALLOTMENT	482500	711500	47	300	115000	
QC	Jonquière	CBC	483604	704946	51	591.7	58675	
QC	La Pocatière	ALLOTMENT	472200	700200	17	150	6000	
QC	La Pocatière	ALLOTMENT	472200	700200	28	100	300	
QC	La Tuque	ALLOTMENT	472525	724549	3	300	2400	
QC	La Tuque	CBMET	472525	724549	9	104.9	32	
QC	La Tuque	CBFT-14	472525	724549	11	124	76000	1097
QC	La Tuque	ALLOTMENT	472525	724549	18	286.5	1000000	
QC	La Tuque	ALLOTMENT	472700	724700	24	150	6000	
QC	La Tuque	ALLOTMENT	472525	724549	29	300	850000	
QC	La Tuque	ALLOTMENT	472525	724549	50	104.9	275	
QC	Lac-Etchemin	ALLOTMENT	462300	703700	17	100	300	
QC	Lac-Etchemin	CBVT-4	462442	703537	22	243.8	2200	
QC	Lac-Etchemin	ALLOTMENT	462300	703700	30	100	300	
QC	Lac-Mégantic	CBVT-3	453149	704720	12	185.5	210	
QC	Lac-Mégantic	ALLOTMENT	453500	705300	26	100	300	
QC	Lac-Mégantic	ALLOTMENT	453149	704720	31	185.5	4000	
QC	Lac-Mégantic	ALLOTMENT	453500	705300	35	100	300	
QC	L'Anse-à-Valleau	CHAU-TV-9	490424	643219	12	70.4	75	
QC	L'Anse-à-Valleau	ALLOTMENT	490424	643219	42	70.4	650	
QC	Manicouagan	ALLOTMENT	503845	684422	10	300	10600	
QC	Manicouagan	ALLOTMENT	503845	684422	46	300	115000	
QC	Maniwaki	CBVU-TV	462408	755646	15	108	258	
QC	Maniwaki	ALLOTMENT	462408	755646	31	108	260	
QC	Matane	CBGAT	485000	672142	6	215	5300	
QC	Matane	ALLOTMENT	485100	673200	14	150	6000	
QC	Matane	ALLOTMENT	485100	673200	24	150	6000	
QC	Matane	ALLOTMENT	485000	672142	43	286.5	1000000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Matane	ALLOTMENT	485100	673200	51	150	6000	
QC	Mont-Climont	CBGAT-1	482350	671927	13	219.5	19000	
QC	Mont-Joli	ALLOTMENT	483500	681100	16	150	6000	
QC	Mont-Joli	ALLOTMENT	483500	681100	20	150	6000	
QC	Mont-Joli	ALLOTMENT	483500	681100	36	150	6000	
QC	Mont-Joli	ALLOTMENT	483500	681100	38	150	6000	
QC	Mont-Laurier	ALLOTMENT	463335	754217	3	300	2400	
QC	Mont-Laurier	ALLOTMENT	463300	753000	18	150	6000	
QC	Mont-Laurier	ALLOTMENT	463337	754220	21	150	6000	
QC	Mont-Laurier	CBFT-2	463335	754217	44	286.5	1000000	
QC	Mont-Laurier	ALLOTMENT	463337	754220	48	150	6000	
QC	Mont-Louis	CBGAT-10	491320	654536	19	323	1100	
QC	Mont-Louis	ALLOTMENT	491300	654500	27	158.4	5500	
QC	Mont-Louis	ALLOTMENT	491300	654500	29	158.4	5500	
QC	Mont-Louis	ALLOTMENT	491320	654536	31	323	1100	
QC	Montmagny	ALLOTMENT	465900	703300	21	150	6000	
QC	Montréal	ALLOTMENT	453020	733532	2	300	2400	
QC	Montréal	ALLOTMENT	453020	733532	6	300	2400	
QC	Montréal	CFTM-TV	453020	733532	10	296.3	11000	
QC	Montréal	CFCF-TV	453020	733532	12	295.7	11000	
QC	Montréal	HDTV	452542	733549	15	167.60	5000	
QC	Montréal	CBFT	453020	733532	19	286.5	1000000	
QC	Montréal	ALLOTMENT	453020	733532	21	295.7	900000	
QC	Montréal	CIVM-TV	453020	733532	26	300	850000	
QC	Montréal	CFTU-TV	453010	733655	29	184	4000	
QC	Montréal	CFJP-TV	453020	733532	35	302	825000	
QC	Montréal	CBMT	453020	733532	36	286.5	1000000	
QC	Montréal	CJNT-TV	453018	733530	49	219	4000	
QC	Montréal	CKMI-TV-1	453020	733532	51	300	845000	
QC	Mont-St-Michel	CBFT-9	464623	751824	16	180.8	4200	
QC	Mont-St-Michel	ALLOTMENT	464623	751824	22	180.8	4200	
QC	Mont-St-Michel	ALLOTMENT	464623	751824	23	180.8	4200	
QC	Mont-St-Michel	ALLOTMENT	464700	752000	29	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Mont-St-Michel	ALLOTMENT	464700	752000	33	150	6000	
QC	Mont-St-Michel	ALLOTMENT	464700	752000	38	150	6000	
QC	Mont-Tremblant	CBFT-1	461310	743311	11	502	1900	1098
QC	Murdochville	CBGAT-2	485756	652843	10	389	4700	
QC	Murdochville	ALLOTMENT	485756	652843	39	389	265000	
QC	New-Carlisle	CBVN-TV	480032	651932	38	85.6	22000	
QC	New-Carlisle	ALLOTMENT	480032	651932	45	150	6000	
QC	New-Richmond	CBVR-TV	480850	654746	27	171.9	4700	
QC	Percé	CBGAT-20	483138	641440	11	399.3	4500	
QC	Percé	CHAU-TV-5	483138	641440	13	399.3	4500	
QC	Percé	CBVP-TV	483138	641440	14	405.4	600	
QC	Percé	CIVK-TV-2	483138	641440	40	405.4	600	
QC	Percé	ALLOTMENT	483138	641440	41	405.4	600	
QC	Percé	ALLOTMENT	483138	641440	44	405.4	600	
QC	Percé	ALLOTMENT	483138	641440	48	399.3	233000	
QC	Plessisville	ALLOTMENT	461300	714700	22	100	300	
QC	Plessisville	ALLOTMENT	461300	714700	33	100	300	
QC	Port-Daniel	CBGAT-21	480825	645905	7	103.9	100	
QC	Port-Daniel	ALLOTMENT	480825	645905	16	110	250	
QC	Port-Daniel	CBVF-TV	480825	645905	19	110	250	
QC	Port-Daniel	ALLOTMENT	480825	645905	51	110	250	
QC	Québec	ALLOTMENT	464827	711302	2	300	2400	
QC	Québec	ALLOTMENT	464704	711554	4	300	2400	
QC	Québec	ALLOTMENT	464704	711554	5	300	2400	
QC	Québec	CBVT	464922	712945	12	500.1	4900	1099
QC	Québec	CIVQ-TV	464827	711302	15	286.5	1000000	
QC	Québec	CKMI-TV	464922	712945	20	446.3	153000	
QC	Québec	CBVE-TV	464704	711554	25	286.5	1000000	
QC	Québec	ALLOTMENT	464900	711300	38	300	115000	
QC	Québec	CFAP-TV	464827	711302	39	300	845000	
QC	Québec	CFCM-TV	464704	711554	49	300	845000	
QC	Rapides-des-Joachims	ALLOTMENT	461158	774240	8	20.1	500	
QC	Rapides-des-Joachims	CBOFT-2	461158	774240	31	20.1	5000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Rimouski	ALLOTMENT	481940	685009	2	300.8	2400	
QC	Rimouski	CFER-TV	482802	681253	11	432.8	3300	
QC	Rimouski	CJPC-TV	482537	682919	18	128	183	
QC	Rimouski	CIVB-TV	482802	681253	22	460.5	136000	
QC	Rimouski	ALLOTMENT	482537	682919	27	128	185	
QC	Rimouski	ALLOTMENT	482802	681253	40	432.8	29000	
QC	Rimouski	CJBR-TV	481940	685009	45	300.8	845000	
QC	Rimouski	ALLOTMENT	482700	683200	46	300	115000	
QC	Rivière-au-Renard	ALLOTMENT	485952	642555	2	300	2400	
QC	Rivière-au-Renard	CHAU-TV-7	485952	642555	4	226.8	4700	
QC	Rivière-au-Renard	ALLOTMENT	485952	642555	5	226.8	4700	1100
QC	Rivière-au-Renard	CBGAT-22	485952	642555	25	286.5	1000000	
QC	Rivière-au-Renard	ALLOTMENT	485952	642555	46	286.5	1000000	
QC	Rivière-du-Loup	CKRT-TV	473503	692210	7	353.6	6500	
QC	Rivière-du-Loup	CIMT-TV	473503	692210	9	360.9	6000	
QC	Rivière-du-Loup	CFTF-TV	473503	692210	29	330.6	550000	
QC	Rivière-du-Loup	ALLOTMENT	473503	692210	41	330.6	550000	
QC	Rivière-du-Loup	CBC	473503	692210	48	353.6	402300	
QC	Rivière-du-Loup	ALLOTMENT	475000	693200	50	150	6000	
QC	Roberval	CJPM-TV-1	482320	720522	10	164	36000	
QC	Roberval	ALLOTMENT	482320	720522	14	300	850000	
QC	Roberval	ALLOTMENT	483100	721300	45	150	6000	
QC	Sept-Îles	ALLOTMENT	500856	662812	3	300	2400	
QC	Sept-Îles	CFER-TV-2	501019	664420	5	284.4	3000	
QC	Sept-Îles	CFTF-TV-7	501019	664420	7	225.6	18000	1101
QC	Sept-Îles	CIVG-TV	501018	664419	9	218.9	19000	
QC	Sept-Îles	CBSET	500856	662812	11	238.7	16500	1102
QC	Sept-Îles	CBST	500856	662812	13	275.2	12500	1103
QC	Sept-Îles	ALLOTMENT	500856	662812	14	300	850000	
QC	Sept-Îles	ALLOTMENT	501018	664419	18	300	850000	
QC	Sept-Îles	ALLOTMENT	501019	664420	20	300	850000	
QC	Sept-Îles	ALLOTMENT	501200	662300	24	300	115000	
QC	Sept-Îles	ALLOTMENT	501019	664420	32	300	115000	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Sept-Îles	ALLOTMENT	500856	662812	35	300	850000	
QC	Sept-Îles	ALLOTMENT	501200	662300	36	300	115000	
QC	Sept-Îles	ALLOTMENT	501200	662300	48	300	115000	
QC	Sept-Îles	ALLOTMENT	501200	662300	50	300	115000	
QC	Shawinigan	ALLOTMENT	463300	724500	30	150	6000	
QC	Shawinigan	ALLOTMENT	463300	724500	42	150	6000	
QC	Sherbrooke	CHLT-TV	451843	721432	7	584.9	4000	
QC	Sherbrooke	CKSH-TV	451843	721432	9	607.1	4000	1104
QC	Sherbrooke	CKMI-TV-2	451843	721432	11	613.1	1000	1105
QC	Sherbrooke	ALLOTMENT	452400	715400	14	300	115000	
QC	Sherbrooke	CIVS-TV	451843	721432	24	583.6	62000	
QC	Sherbrooke	CBC	451843	721432	27	612.7	132000	1106
QC	Sherbrooke	ALLOTMENT	451843	721432	30	613.1	53000	
QC	Sherbrooke	CFKS-TV	451843	721432	41	613.1	53000	
QC	Sherbrooke	CBMT-3	452348	714954	50	184.4	4000	
QC	Sorel	ALLOTMENT	460300	730700	23	150	6000	
QC	Sorel	ALLOTMENT	460300	730700	44	100	300	
QC	Sorel	ALLOTMENT	460300	730700	48	150	6000	
QC	Ste-Adele	ALLOTMENT	455442	740644	39	159.5	120	
QC	Ste-Agathe-Des-Monts	ALLOTMENT	460206	741409	33	100	300	
QC	Ste-Agathe-Des-Monts	ALLOTMENT	460206	741419	49	111.4	245	
QC	Ste-Anne-des-Monts	CBGAT-11	490607	661714	8	419.10	34100	1107
QC	Ste-Famille	CBVT-2	465718	705824	43	8.8	5000	
QC	Ste-Marguerite-Marie	CHAU-TV-1	481840	670506	3	206.7	5800	
QC	Ste-Marguerite-Marie	ALLOTMENT	481840	670506	7	206.7	21000	1108
QC	Ste-Marguerite-Marie	ALLOTMENT	481840	670506	50	286.5	1000000	
QC	St-Fabien-de-Panet	CBVT-5	463923	700851	13	147.8	340	
QC	St-Fabien-de-Panet	ALLOTMENT	463923	700851	35	147.8	6500	
QC	St-Félicien	ALLOTMENT	483900	722700	7	150	300	
QC	St-Félicien	ALLOTMENT	483900	722700	43	150	6000	
QC	St-Fulgence	CKTV-TV-1	482502	705455	27	-20	2000	
QC	St-Fulgence	ALLOTMENT	482502	705455	28	100	300	
QC	St-George-Beauce	ALLOTMENT	460700	704000	19	100	300	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	St-George-Beauce	ALLOTMENT	460700	704000	33	100	300	
QC	St-Hyacinthe	ALLOTMENT	453800	725700	39	150	6000	
QC	St-Jean	ALLOTMENT	451900	731400	4	150	115	
QC	St-Jean	ALLOTMENT	451900	731400	48	100	300	
QC	St-Jérôme	ALLOTMENT	454700	740000	23	100	1000	
QC	St-Michel-des-Saints	ALLOTMENT	463556	735404	7	300	10600	
QC	St-Michel-des-Saints	CBFT-3	463556	735404	31	300	845000	
QC	Stoneham	ALLOTMENT	465723	712324	33	-5.8	5000	
QC	Stoneham	CBVT-8	465723	712324	44	-5.8	5000	
QC	St-Pamphile	ALLOTMENT	465553	694920	3	300	2400	
QC	St-Pamphile	CBSPT	465553	694920	27	138.7	7400	
QC	St-Prosper-De-Dorche	ALLOTMENT	461235	702915	40	100	300	
QC	St-Prosper-De-Dorche	ALLOTMENT	461235	702915	50	100	300	
QC	St-René-de-Matane	ALLOTMENT	484300	672300	26	150	6000	
QC	St-René-de-Matane	CBGAT-7	484106	672115	30	127.7	9000	
QC	Temiscaming	CBFST-2	463828	790424	12	262.3	14000	1109
QC	Temiscaming	ALLOTMENT	464300	790600	16	150	6000	
QC	Temiscaming	ALLOTMENT	464300	790600	22	100	300	
QC	Temiscaming	ALLOTMENT	463828	790424	28	262.3	1800	
QC	Temiscaming	ALLOTMENT	464300	790600	40	150	6000	
QC	Temiscaming	ALLOTMENT	463828	790424	46	300	115000	
QC	Temiscaming	ALLOTMENT	463828	790424	49	286.5	1000000	
QC	Thetford-Mines	ALLOTMENT	460500	711800	3	150	115	
QC	Thetford-Mines	ALLOTMENT	460653	712424	21	286.2	1500	
QC	Thetford-Mines	CBVT-9	460653	712424	23	286.2	1500	
QC	Thetford-Mines	ALLOTMENT	460500	711800	29	150	6000	
QC	Thetford-Mines	ALLOTMENT	460653	712424	32	286.2	1500	
QC	Thetford-Mines	ALLOTMENT	460653	712424	36	286.2	1500	
QC	Thetford-Mines	CBMT-4	460653	712424	42	286.2	1500	
QC	Trois-Pistoles	ALLOTMENT	480700	691100	39	150	6000	
QC	Trois-Pistoles	ALLOTMENT	480700	691100	49	150	6000	
QC	Trois-Rivières	CHEM-TV	463010	723815	8	291.5	11500	
QC	Trois-Rivières	CKTM-TV	462927	723900	13	377.8	5200	

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Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
QC	Trois-Rivières	ALLOTMENT	462927	723900	16	326.6	580000	
QC	Trois-Rivières	CBMT-1	463010	723815	28	313.6	700000	
QC	Trois-Rivières	CFKM-TV	462927	723900	34	326.6	580000	
QC	Trois-Rivières	CBC	463010	723815	40	313.6	97000	
QC	Trois-Rivières	ALLOTMENT	462927	723900	45	326.6	580000	
QC	Trois-Rivières	CIVC-TV	462927	723900	46	398.1	240000	
QC	Trois-Rivières	ALLOTMENT	462927	723900	47	399.8	235000	
QC	Victoriaville	ALLOTMENT	460300	715800	44	150	6000	
QC	Victoriaville	ALLOTMENT	460300	715800	48	100	300	
QC	Ville De La Baie	ALLOTMENT	482000	705300	36	100	300	
SK	Bellegarde	ALLOTMENT	493200	1013300	24	150	6000	
SK	Bellegarde	CBKFT-9	493055	1013451	26	125.9	8970	
SK	Bellegarde	ALLOTMENT	493055	1013451	38	150	6000	
SK	Biggar	ALLOTMENT	520400	1080000	18	150	6000	
SK	Biggar	ALLOTMENT	520400	1080000	29	150	6000	
SK	Broadview	ALLOTMENT	502000	1023000	25	150	6000	
SK	Broadview	ALLOTMENT	502000	1023000	49	150	6000	
SK	Canora	ALLOTMENT	513700	1022600	51	150	6000	
SK	Carlyle Lake	CIEW-TV	494837	1024114	7	334.7	7530	1110
SK	Carlyle Lake	ALLOTMENT	494837	1024114	17	334.7	515700	
SK	Carlyle Lake	ALLOTMENT	494837	1024114	21	334.7	515700	
SK	Carlyle Lake	ALLOTMENT	494600	1021500	28	100	300	
SK	Colgate	CKCK-TV-1	492616	1034753	12	162.2	36600	
SK	Colgate	ALLOTMENT	492400	1035300	16	100	300	
SK	Colgate	ALLOTMENT	492616	1034753	39	300	850000	
SK	Colgate	ALLOTMENT	492400	1035300	48	100	300	
SK	Cypress Hills	ALLOTMENT	493925	1093045	2	300	2400	
SK	Cypress Hills	ALLOTMENT	494000	1093000	19	131.8	172	
SK	Cypress Hills	CBCP-TV-2	493925	1093045	27	300	850000	
SK	Davidson	ALLOTMENT	511600	1055900	14	100	300	
SK	Davidson	ALLOTMENT	511600	1055900	25	150	6000	
SK	Davidson	ALLOTMENT	511914	1060346	29	150	6000	
SK	Esterhazy	ALLOTMENT	503900	1020500	19	150	6000	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
SK	Esterhazy	ALLOTMENT	503900	1020500	31	150	6000	
SK	Esterhazy	ALLOTMENT	503900	1020500	35	150	6000	
SK	Esterhazy	ALLOTMENT	503900	1020500	41	150	6000	
SK	Estevan	ALLOTMENT	490800	1025900	28	100	300	
SK	Estevan	ALLOTMENT	490800	1025900	33	100	300	
SK	Eston	ALLOTMENT	511000	1084600	22	100	300	
SK	Fort Qu'Appelle	CKCK-TV-7	504700	1034703	7	26.2	438	
SK	Fort Qu'Appelle	ALLOTMENT	504700	1034703	16	26.2	4100	
SK	Fort Qu'Appelle	ALLOTMENT	504600	1034800	45	150	6000	
SK	Golden Prairie	CKMC-TV-1	501220	1093543	10	168.8	33300	1111
SK	Golden Prairie	ALLOTMENT	501220	1093543	14	300	850000	
SK	Golden Prairie	ALLOTMENT	501220	1093543	24	300	850000	
SK	Gravelbourg	ALLOTMENT	495217	1062336	23	221	2650	
SK	Gravelbourg	ALLOTMENT	495217	1062336	24	221	2650	
SK	Gravelbourg	CBKFT-6	495217	1062336	39	221	2650	
SK	Gravelbourg	CBKGT	495217	1062336	45	221	2650	
SK	Humboldt	ALLOTMENT	521200	1050700	22	150	6000	
SK	Humboldt	ALLOTMENT	521200	1050700	49	150	6000	
SK	Indian Head	ALLOTMENT	503200	1034000	24	150	6000	
SK	Indian Head	ALLOTMENT	503200	1034000	36	100	300	
SK	Kamsack	ALLOTMENT	513400	1015400	45	150	6000	
SK	Kindersley	ALLOTMENT	512700	1091000	33	150	6000	
SK	Maple Creek	ALLOTMENT	495500	1092700	49	150	6000	
SK	Marengo	ALLOTMENT	512750	1093700	15	150	6000	
SK	Marengo	ALLOTMENT	512750	1093700	25	150	6000	
SK	Marengo	ALLOTMENT	512900	1094700	26	150	6000	
SK	Marengo	ALLOTMENT	512900	1094700	49	150	6000	
SK	Melville	ALLOTMENT	505500	1024800	20	150	6000	
SK	Moose Jaw	CBKT-1	502325	1055538	4	241.7	4000	1112
SK	Moose Jaw	CKMJ-TV	503843	1054606	7	234.1	16700	1113
SK	Moose Jaw	CBKFT-10	502302	1053257	16	39.9	2240	
SK	Moose Jaw	ALLOTMENT	502300	1053200	17	150	6000	
SK	Moose Jaw	ALLOTMENT	502302	1053257	30	100	300	

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
SK	Moose Jaw	ALLOTMENT	502300	1053200	36	300	115000	
SK	Moose Jaw	ALLOTMENT	502300	1053200	42	300	115000	
SK	Moose Jaw	ALLOTMENT	502325	1055538	43	300	850000	
SK	Moose Jaw	ALLOTMENT	503843	1054606	47	286.5	1000000	
SK	Moosomin	ALLOTMENT	500700	1014000	18	150	6000	
SK	Moosomin	ALLOTMENT	500700	1014000	40	150	6000	
SK	Norquay	CICC-TV-2	520300	1020318	7	107.6	8300	1114
SK	Norquay	CBKT-9	520300	1020318	13	114	96700	1115
SK	Norquay	ALLOTMENT	515300	1020500	16	100	300	
SK	Norquay	ALLOTMENT	520300	1020318	18	300	850000	
SK	Norquay	ALLOTMENT	520300	1020318	22	300	850000	
SK	Norquay	ALLOTMENT	520300	1020318	32	300	850000	
SK	Norquay	ALLOTMENT	515300	1020500	46	100	300	
SK	Oxbow	ALLOTMENT	491400	1021100	34	150	6000	
SK	Ponteix	ALLOTMENT	494420	1071554	3	300	2400	
SK	Ponteix	CBCP-TV-3	494420	1071554	8	239	17000	
SK	Ponteix	ALLOTMENT	494420	1071554	19	300	850000	
SK	Ponteix	CBKFT-7	494420	1071554	22	259.3	1820	
SK	Ponteix	ALLOTMENT	494420	1071554	44	239	2200	
SK	Regina	ALLOTMENT	502652	1043000	2	300	2400	
SK	Regina	CKCK-TV	502652	1043000	8	179	29000	
SK	Regina	CBKT	502858	1043020	9	207.3	20800	1116
SK	Regina	CFRE-TV	503544	1050409	11	300	10600	1117
SK	Regina	CBKFT	502858	1043020	13	180	28500	1118
SK	Regina	ALLOTMENT	502652	1043000	18	300	850000	
SK	Regina	ALLOTMENT	502500	1043900	20	300	115000	
SK	Regina	ALLOTMENT	502858	1043020	26	300	850000	
SK	Regina	ALLOTMENT	502500	1043900	29	150	6000	
SK	Regina	ALLOTMENT	502500	1043900	32	300	115000	
SK	Regina	ALLOTMENT	502500	1043900	33	300	115000	
SK	Regina	ALLOTMENT	503544	1050409	40	300	850000	
SK	Regina	ALLOTMENT	502500	1043900	44	300	115000	
SK	Regina	ALLOTMENT	502500	1043900	46	150	6000	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
SK	Regina	ALLOTMENT	502500	1043900	51	300	115000	
SK	Riverhurst	CBKT-5	504425	1065434	10	236.5	128	1119
SK	Riverhurst	ALLOTMENT	505400	1065200	15	150	6000	
SK	Riverhurst	ALLOTMENT	505400	1065200	22	150	6000	
SK	Riverhurst	ALLOTMENT	505400	1065200	25	100	300	
SK	Riverhurst	ALLOTMENT	505400	1065200	38	150	6000	
SK	Riverhurst	ALLOTMENT	504425	1065434	49	236.5	2300	
SK	Rosetown	ALLOTMENT	513300	1080000	32	150	6000	
SK	Rosetown	ALLOTMENT	513300	1080000	40	150	6000	
SK	Saskatoon	ALLOTMENT	521028	1062604	4	300	2400	
SK	Saskatoon	CFQC-TV	521130	1062312	8	264	13400	1120
SK	Saskatoon	CBKST	521028	1062604	11	239.6	16000	
SK	Saskatoon	CBKFT-1	521028	1062604	13	211.8	20000	1121
SK	Saskatoon	ALLOTMENT	521028	1062604	17	300	850000	
SK	Saskatoon	ALLOTMENT	520700	1063800	19	300	115000	
SK	Saskatoon	ALLOTMENT	520700	1063800	21	150	6000	
SK	Saskatoon	ALLOTMENT	520700	1063800	26	300	115000	
SK	Saskatoon	ALLOTMENT	520700	1063800	28	150	6000	
SK	Saskatoon	ALLOTMENT	520700	1063800	34	150	6000	
SK	Saskatoon	ALLOTMENT	520700	1063800	36	300	115000	
SK	Saskatoon	ALLOTMENT	521028	1062604	39	300	850000	
SK	Saskatoon	CFSK-TV	521028	1062604	42	286.5	1000000	
SK	Shaunavon	CBCP-TV-1	493331	1082748	7	200.6	22000	1122
SK	Shaunavon	ALLOTMENT	494000	1082500	15	150	6000	
SK	Shaunavon	ALLOTMENT	493331	1082748	16	300	850000	
SK	Shaunavon	ALLOTMENT	494000	1082500	38	150	6000	
SK	Stranraer	ALLOTMENT	514055	1083045	3	300	2400	
SK	Stranraer	CBKST-1	514049	1084254	9	367	5600	1123
SK	Stranraer	ALLOTMENT	514300	1082900	24	100	300	
SK	Stranraer	ALLOTMENT	514049	1084254	45	367	340000	
SK	Stranraer	CFQC-TV-1	514055	1083045	51	286.5	1000000	
SK	Swift Current	CBKT-4	502020	1074724	5	155.8	2600	
SK	Swift Current	CKMC-TV	501831	1075235	12	167.3	12600	1124

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
SK	Swift Current	ALLOTMENT	501700	1075000	28	150	6000	
SK	Swift Current	ALLOTMENT	501700	1075000	30	150	6000	
SK	Swift Current	ALLOTMENT	501700	1075000	31	150	6000	
SK	Swift Current	ALLOTMENT	501831	1075235	35	286.5	1000000	
SK	Swift Current	ALLOTMENT	502020	1074724	41	300	850000	
SK	Swift Current	ALLOTMENT	501700	1075000	48	150	6000	
SK	Warmley	ALLOTMENT	494837	1024114	3	334.7	1900	
SK	Warmley	CBKT-7	494837	1024114	46	389.9	258700	
SK	Watrous	ALLOTMENT	514000	1052800	10	150	300	
SK	Watrous	ALLOTMENT	514000	1052800	23	150	6000	
SK	Weyburn	ALLOTMENT	494000	1035100	5	150	115	
SK	Weyburn	ALLOTMENT	494000	1035100	23	150	6000	
SK	Willow Bunch	CKCK-TV-2	492058	1053808	6	263.4	3272	
SK	Willow Bunch	CBKT-2	492310	1054017	10	255.7	14200	1125
SK	Willow Bunch	CBKFT-8	492310	1054017	21	236.4	2261	
SK	Willow Bunch	ALLOTMENT	492058	1053808	34	286.5	1000000	
SK	Willow Bunch	ALLOTMENT	492310	1054017	38	236.4	2300	
SK	Willow Bunch	ALLOTMENT	492310	1054017	50	300	850000	
SK	Wynyard	ALLOTMENT	514700	1041000	3	150	115	
SK	Wynyard	CBKT-8	514230	1041755	6	187.2	1700	
SK	Wynyard	CIWH-TV	514230	1041755	12	170.7	32400	1126
SK	Wynyard	ALLOTMENT	514230	1041755	25	286.5	1000000	
SK	Wynyard	ALLOTMENT	514230	1041755	27	286.5	1000000	
SK	Wynyard	ALLOTMENT	514700	1041000	41	150	6000	
SK	Yorkton	CBKT-6	511233	1024359	5	162.7	9800	
SK	Yorkton	CICC-TV	511233	1024359	10	135.3	12600	
SK	Yorkton	ALLOTMENT	511300	1022800	14	100	300	
SK	Yorkton	ALLOTMENT	511233	1024359	23	300	850000	
SK	Yorkton	ALLOTMENT	511300	1022800	30	150	6000	
SK	Yorkton	ALLOTMENT	511300	1022800	34	150	6000	
SK	Yorkton	ALLOTMENT	511300	1022800	38	150	6000	
SK	Yorkton	ALLOTMENT	511233	1024359	48	300	850000	
YT	Clinton Creek	ALLOTMENT	642400	1403600	8	150	300	

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
YT	Clinton Creek	ALLOTMENT	642400	1403600	22	150	6000	
YT	Clinton Creek	ALLOTMENT	642407	1403650	51	300	850000	
YT	Dawson	ALLOTMENT	640400	1392530	3	300	2400	
YT	Dawson	CBDDT	640329	1392449	7	-88.2	440	1127
YT	Dawson	ALLOTMENT	640335	1392536	10	300	10600	
YT	Dawson	ALLOTMENT	640300	1392500	14	300	115000	
YT	Dawson	ALLOTMENT	640300	1392500	15	300	115000	
YT	Dawson	ALLOTMENT	640300	1392500	19	300	115000	
YT	Dawson	ALLOTMENT	640400	1392530	20	300	850000	
YT	Dawson	ALLOTMENT	640329	1392449	36	100	300	
YT	Dawson	ALLOTMENT	640335	1392536	38	300	850000	
YT	Elsa	ALLOTMENT	635534	1352900	9	300	10600	
YT	Elsa	ALLOTMENT	635500	1352900	15	150	6000	
YT	Elsa	ALLOTMENT	635500	1352900	23	150	6000	
YT	Elsa	ALLOTMENT	635534	1352900	35	300	850000	
YT	Faro	ALLOTMENT	621400	1332000	3	300	2400	
YT	Faro	ALLOTMENT	621347	1332000	8	300	10600	
YT	Faro	ALLOTMENT	621400	1332000	13	150	300	
YT	Faro	ALLOTMENT	621347	1332000	15	300	850000	
YT	Keno Hill	ALLOTMENT	635455	1352350	13	300	10600	
YT	Keno Hill	ALLOTMENT	635455	1352350	21	300	850000	
YT	Keno Hill	ALLOTMENT	635500	1351800	25	150	6000	
YT	Mayo	ALLOTMENT	633500	1355400	2	300	2400	
YT	Mayo	ALLOTMENT	633500	1355400	7	300	10600	
YT	Mayo	ALLOTMENT	633500	1355400	27	150	6000	
YT	Mayo	ALLOTMENT	633500	1355400	50	300	850000	
YT	Watson Lake	ALLOTMENT	600700	1284800	2	300	2400	
YT	Watson Lake	ALLOTMENT	600352	1284252	7	100	35	
YT	Watson Lake	CBDAT	600352	1284252	8	-8.9	400	1128
YT	Watson Lake	ALLOTMENT	600700	1284800	13	150	300	
YT	Whitehorse	ALLOTMENT	604200	1350530	2	300	2400	
YT	Whitehorse	CFWH-TV	603935	1345256	6	420.5	1030	
YT	Whitehorse	CBFT-15	603935	1345256	7	412.8	3820	1129

Table A: Canada Plan of Allotments and Primary Assignments

Province	City	Call Sign	Latitude	Longitude	Channel	EHAAT (m)	ERP (W)	Antenna ID
YT	Whitehorse	CHWT-TV	603929	1345257	11	335	60	
YT	Whitehorse	ALLOTMENT	603929	1345257	14	335	980	
YT	Whitehorse	ALLOTMENT	604200	1350530	22	300	850000	
YT	Whitehorse	ALLOTMENT	604400	1350500	27	300	115000	
YT	Whitehorse	ALLOTMENT	603935	1345256	36	412.8	210000	
YT	Whitehorse	ALLOTMENT	604400	1350500	47	300	115000	
YT	Whitehorse	ALLOTMENT	604400	1350500	51	300	115000	

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1000	0.410	0.289	0.323	0.436	0.348	0.377	0.717	0.913	0.974	1.000	0.983	0.921	0.745	0.400	0.345	0.428
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.342	0.282	0.411	0.346	0.215	0.294	0.314	0.157	0.229	0.390	0.357	0.311	0.360	0.383	0.214	0.170
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.310	0.289	0.206	0.332	29.8	0.436	152.1	0.440	181.5	0.421	183.0	0.424	230.6	0.145	232.4	0.144
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	305.3	0.139	306.8	0.140	309.5	0.162	358.0	0.419								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1001	0.544	0.566	0.576	0.595	0.604	0.607	0.592	0.586	0.539	0.467	0.542	0.721	0.876	0.970	0.999	0.976
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.957	0.965	0.970	0.949	0.911	0.834	0.758	0.686	0.602	0.503	0.399	0.340	0.356	0.423	0.518	0.565
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.534	0.501	0.493	0.507	90.7	0.465	140.4	1.000	140.7	1.000	142.0	1.000	174.3	0.980	176.6	0.976
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	270.3	0.339	274.0	0.337	276.3	0.340	342.0	0.492								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1002	1.000	0.995	0.982	0.955	0.917	0.872	0.820	0.760	0.696	0.629	0.563	0.502	0.452	0.425	0.416	0.437
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.486	0.522	0.533	0.523	0.479	0.431	0.411	0.430	0.454	0.496	0.551	0.621	0.687	0.751	0.817	0.871
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.917	0.955	0.980	0.994	0.1	1.000	134.9	0.415	179.9	0.533	221.5	0.410				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1003	0.251	0.245	0.233	0.210	0.199	0.209	0.225	0.245	0.242	0.341	0.534	0.734	0.896	0.974	0.983	0.957
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.948	0.968	0.994	0.973	0.946	0.948	0.980	0.966	0.884	0.739	0.531	0.325	0.244	0.239	0.227	0.205
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.202	0.206	0.222	0.241	38.8	0.198	69.8	0.245	80.7	0.242	138.2	0.989	153.4	0.939	158.8	0.946
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	179.1	0.994	183.0	0.995	220.1	0.980	317.4	0.201								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1004	0.437	0.491	0.552	0.614	0.685	0.772	0.856	0.910	0.914	0.854	0.771	0.684	0.611	0.546	0.488	0.437
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.391	0.348	0.322	0.346	0.436	0.532	0.673	0.795	0.899	0.982	0.978	0.889	0.782	0.651	0.518	0.409
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.334	0.316	0.349	0.391	71.7	0.918	182.3	0.320	253.9	1.000	254.1	1.000	259.4	0.983	325.2	0.314
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1005	0.176	0.178	0.179	0.190	0.209	0.224	0.230	0.231	0.231	0.321	0.493	0.624	0.690	0.604	0.499	0.393
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.411	0.518	0.669	0.776	0.917	0.998	0.867	0.708	0.538	0.403	0.341	0.345	0.382	0.445	0.568	0.587
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.414	0.228	0.189	0.176	8.2	0.179	15.9	0.175	61.8	0.231	120.5	0.691	155.1	0.391	210.5	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	260.2	0.340	265.4	0.333	303.4	0.601	306.1	0.609								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1006	0.522	0.246	0.106	0.081	0.072	0.070	0.070	0.079	0.103	0.145	0.206	0.306	0.478	0.716	0.889	0.989
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.825	0.544	0.536	0.763	0.909	0.930	0.804	0.601	0.740	0.930	0.993	0.955	0.733	0.466	0.449	0.616
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.856	0.956	0.940	0.759	51.8	0.069	151.2	0.993	171.4	0.522	174.7	0.506	204.3	0.935	261.5	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	294.9	0.441	298.6	0.440	330.9	0.958	333.7	0.959								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1007	0.999	0.969	0.916	0.820	0.709	0.608	0.505	0.418	0.360	0.338	0.357	0.408	0.489	0.601	0.711	0.809
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.903	0.971	0.990	0.966	0.917	0.834	0.733	0.639	0.534	0.444	0.384	0.356	0.380	0.431	0.511	0.620
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.732	0.835	0.913	0.976	180.8	0.992	270.3	0.355	355.1	0.996	359.9	1.000				

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1008	0.506	0.386	0.262	0.425	0.629	0.797	0.913	0.989	0.999	0.935	0.789	0.565	0.367	0.365	0.593	0.803
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.941	0.987	0.952	0.757	0.485	0.390	0.708	0.712	0.574	0.250	0.317	0.425	0.543	0.676	0.809	0.931
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.992	0.918	0.784	0.638	21.4	0.259	71.6	1.000	79.8	1.000	123.1	0.306	124.8	0.288	126.5	0.306
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	166.4	0.991	225.2	0.756	247.0	0.231	320.5	0.994								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1009	0.412	0.481	0.508	0.479	0.408	0.332	0.281	0.313	0.467	0.609	0.718	0.762	0.715	0.622	0.492	0.338
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.245	0.243	0.253	0.262	0.271	0.269	0.262	0.257	0.310	0.496	0.665	0.815	0.938	0.999	0.947	0.832
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.620	0.397	0.277	0.320	18.5	0.510	110.7	0.763	161.6	0.242	165.7	0.239	203.4	0.274	227.7	0.254
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	288.4	1.000	340.5	0.276	354.2	0.357	358.5	0.400								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1010	0.415	0.293	0.178	0.111	0.073	0.065	0.057	0.049	0.041	0.033	0.042	0.052	0.061	0.071	0.080	0.090
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.099	0.109	0.212	0.349	0.461	0.582	0.664	0.707	0.706	0.633	0.608	0.722	0.861	0.963	0.981	0.895
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.797	0.713	0.603	0.515	230.1	0.708	234.2	0.725	238.4	0.712	256.0	0.603	259.5	0.604	293.5	0.987
	saz7	sf7														
	296.0	0.993														
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1011	0.316	0.328	0.343	0.282	0.144	0.113	0.141	0.136	0.254	0.435	0.552	0.698	0.851	0.958	1.000	0.948
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.844	0.702	0.549	0.429	0.279	0.140	0.073	0.067	0.035	0.083	0.079	0.040	0.072	0.069	0.085	0.185
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.296	0.351	0.353	0.339	45.0	0.093	225.0	0.080	255.0	0.090	285.0	0.078	295.0	0.062	335.0	0.357

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1012	0.847	0.630	0.497	0.523	0.481	0.313	0.252	0.363	0.285	0.285	0.472	0.536	0.511	0.662	0.886	0.993
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.996	0.984	0.855	0.609	0.502	0.525	0.439	0.244	0.288	0.352	0.218	0.306	0.457	0.517	0.491	0.628
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.866	0.974	0.986	0.974	31.1	0.527	56.4	0.220	86.3	0.222	107.8	0.539	154.1	1.000	210.6	0.525
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	233.4	0.212	261.7	0.209	264.0	0.217	340.3	0.986								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1013	0.820	0.731	0.639	0.565	0.491	0.421	0.358	0.308	0.272	0.254	0.269	0.297	0.325	0.372	0.428	0.495
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.567	0.645	0.723	0.803	0.875	0.925	0.963	0.980	0.971	0.953	0.933	0.915	0.914	0.918	0.942	0.970
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.995	0.999	0.964	0.904	93.8	0.252	231.7	0.983	270.4	0.917	287.8	0.912	329.3	1.000		
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1014	0.071	0.083	0.066	0.113	0.262	0.298	0.421	0.622	0.776	0.888	0.964	0.997	0.931	0.734	0.525	0.520
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.637	0.631	0.497	0.455	0.496	0.456	0.462	0.563	0.600	0.418	0.274	0.426	0.570	0.592	0.480	0.303
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.291	0.319	0.224	0.103	2.9	0.061	7.1	0.084	27.1	0.053	111.3	1.000	162.0	0.656	165.4	0.659
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	236.0	0.613	256.8	0.264	258.4	0.255	284.7	0.612								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1015	0.837	0.902	0.944	0.968	0.984	0.989	0.992	0.991	0.992	0.998	0.999	0.999	0.993	0.982	0.968	0.930
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.889	0.832	0.774	0.710	0.643	0.571	0.497	0.420	0.359	0.309	0.292	0.291	0.326	0.389	0.452	0.514
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.577	0.649	0.721	0.776	61.7	0.992	77.7	0.991	109.1	1.000	270.5	0.290	354.8	0.802		

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1016	0.398	0.372	0.297	0.230	0.249	0.386	0.596	0.736	0.777	0.743	0.766	0.880	0.989	0.974	0.863	0.812
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.861	0.804	0.495	0.113	0.509	0.712	0.761	0.846	0.944	0.984	0.975	0.948	0.924	0.878	0.729	0.449
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.272	0.441	0.505	0.414	30.3	0.227	80.4	0.778	125.8	0.998	150.3	0.811	160.4	0.863	190.3	0.101
	saz7	sf7	saz8	sf8	saz9	sf9										
	249.9	0.984	318.1	0.240	339.5	0.510										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1017	0.352	0.262	0.200	0.138	0.123	0.110	0.097	0.099	0.108	0.136	0.172	0.208	0.321	0.489	0.620	0.743
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.860	0.947	0.989	0.953	0.853	0.714	0.589	0.575	0.630	0.580	0.588	0.715	0.843	0.944	1.000	0.953
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.854	0.755	0.631	0.491	63.0	0.093	180.1	0.990	223.9	0.558	228.1	0.561	240.8	0.633	250.4	0.577
	saz7	sf7	saz8	sf8	saz9	sf9										
	254.6	0.554	258.4	0.569	299.9	1.000										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1018	0.709	0.569	0.391	0.313	0.515	0.611	0.595	0.567	0.592	0.595	0.554	0.540	0.711	0.898	0.972	0.942
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.878	0.874	0.837	0.705	0.528	0.623	0.814	0.931	0.918	0.878	0.892	0.857	0.697	0.500	0.596	0.816
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.972	0.978	0.914	0.810	25.7	0.298	103.0	0.534	106.2	0.525	135.7	0.972	164.3	0.881	204.5	0.516
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	230.3	0.932	255.3	0.896	295.5	0.498	324.6	1.000								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1019	0.904	0.940	0.966	0.984	0.991	0.986	0.973	0.946	0.907	0.863	0.813	0.761	0.707	0.664	0.627	0.612
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.601	0.611	0.621	0.637	0.653	0.662	0.670	0.667	0.657	0.641	0.622	0.606	0.604	0.603	0.630	0.666
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.712	0.759	0.814	0.861	36.6	0.992	158.7	0.599	219.2	0.670	289.4	0.601	354.6	0.882		

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1020	0.998	0.996	0.993	0.992	0.998	0.987	0.955	0.897	0.833	0.769	0.689	0.600	0.479	0.356	0.148	0.168
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.227	0.291	0.323	0.294	0.224	0.173	0.209	0.305	0.416	0.530	0.643	0.752	0.841	0.905	0.946	0.974
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.990	0.983	0.987	0.995	28.0	0.991	42.6	1.000	139.8	0.148	181.0	0.325	210.3	0.172	318.1	0.992
	saz7	sf7	saz8	sf8												
	334.8	0.980	356.0	0.999												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1021	0.956	0.920	0.874	0.815	0.754	0.687	0.621	0.561	0.500	0.455	0.423	0.432	0.467	0.507	0.537	0.547
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.532	0.502	0.461	0.427	0.423	0.448	0.494	0.550	0.618	0.693	0.766	0.826	0.881	0.927	0.959	0.985
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3						
	0.992	1.000	0.992	0.977	99.6	0.423	143.7	0.548	199.8	0.423						
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1022	0.559	0.731	0.813	0.848	0.850	0.796	0.652	0.563	0.708	0.929	0.966	0.768	0.673	0.868	0.983	0.993
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.955	0.866	0.724	0.538	0.368	0.331	0.405	0.384	0.323	0.369	0.425	0.476	0.492	0.437	0.348	0.356
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.457	0.549	0.531	0.457	92.7	0.976	95.2	0.998	115.7	0.666	118.1	0.650	146.3	1.000	206.3	0.319
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	209.4	0.327	237.2	0.323	303.6	0.328	307.3	0.334								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1023	0.232	0.233	0.228	0.235	0.299	0.413	0.586	0.753	0.876	0.956	0.988	0.961	0.889	0.772	0.613	0.455
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.318	0.259	0.249	0.255	0.247	0.264	0.344	0.467	0.639	0.785	0.891	0.965	0.994	0.960	0.878	0.757
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.594	0.432	0.301	0.243	2.9	0.233	22.5	0.226	102.0	0.989	182.8	0.248	190.1	0.255	205.0	0.247
	saz7	sf7														
	277.9	0.998														

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1024	0.998	1.000	1.000	0.993	0.986	0.984	0.991	0.993	0.991	0.990	0.982	0.947	0.886	0.814	0.726	0.634
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.536	0.448	0.370	0.317	0.301	0.312	0.325	0.329	0.314	0.306	0.304	0.329	0.390	0.472	0.567	0.664
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.753	0.841	0.912	0.966	20.5	1.000	44.7	0.983	63.0	0.995	195.5	0.299	227.6	0.333	254.6	0.303
	saz7	sf7														
	359.5	0.998														

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1025	0.926	0.825	0.681	0.515	0.365	0.272	0.238	0.237	0.240	0.239	0.266	0.360	0.518	0.687	0.837	0.933
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.989	0.989	0.939	0.843	0.700	0.531	0.375	0.278	0.247	0.249	0.252	0.245	0.279	0.375	0.534	0.706
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.834	0.931	0.985	0.980	69.2	0.237	77.8	0.242	84.5	0.236	165.2	1.000	240.3	0.247	261.1	0.252
	saz7	sf7	saz8	sf8	saz9	sf9										
	267.8	0.242	343.6	0.997	346.9	0.989										

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1026	0.464	0.479	0.513	0.545	0.570	0.583	0.580	0.568	0.546	0.514	0.484	0.470	0.505	0.543	0.589	0.664
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.742	0.808	0.863	0.901	0.928	0.949	0.966	0.990	0.996	0.975	0.951	0.917	0.883	0.835	0.776	0.709
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.642	0.575	0.530	0.492	2.3	0.462	110.1	0.470	238.2	1.000	270.6	0.918				

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1027	0.294	0.371	0.531	0.741	0.887	0.960	0.979	0.884	0.756	0.557	0.412	0.359	0.372	0.414	0.483	0.480
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.413	0.362	0.358	0.420	0.567	0.759	0.905	0.989	0.979	0.883	0.731	0.537	0.362	0.276	0.265	0.274
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.290	0.300	0.288	0.277	55.6	1.000	115.4	0.354	143.4	0.501	147.9	0.493	180.3	0.357	230.9	0.995
	saz7	sf7	saz8	sf8	saz9	sf9										
	236.1	0.999	303.5	0.263	326.7	0.304										

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1028	0.294	0.371	0.531	0.741	0.887	0.960	0.979	0.884	0.756	0.557	0.412	0.359	0.372	0.414	0.483	0.480
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.413	0.362	0.358	0.420	0.567	0.759	0.905	0.989	0.979	0.883	0.731	0.537	0.362	0.276	0.265	0.274
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.290	0.300	0.288	0.277	55.6	1.000	115.4	0.354	143.4	0.501	147.9	0.493	180.3	0.357	230.9	0.995
	saz7	sf7	saz8	sf8	saz9	sf9										
	236.1	0.999	303.5	0.263	326.7	0.304										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1029	0.294	0.371	0.531	0.741	0.887	0.960	0.979	0.884	0.756	0.557	0.412	0.359	0.372	0.414	0.483	0.480
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.413	0.362	0.358	0.420	0.567	0.759	0.905	0.989	0.979	0.883	0.731	0.537	0.362	0.276	0.265	0.274
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.290	0.300	0.288	0.277	55.6	1.000	115.4	0.354	143.4	0.501	147.9	0.493	180.3	0.357	230.9	0.995
	saz7	sf7	saz8	sf8	saz9	sf9										
	236.1	0.999	303.5	0.263	326.7	0.304										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1030	0.217	0.240	0.304	0.436	0.604	0.801	0.944	1.000	0.946	0.832	0.590	0.405	0.364	0.391	0.394	0.366
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.353	0.376	0.393	0.384	0.362	0.416	0.610	0.829	0.946	0.996	0.937	0.794	0.586	0.415	0.309	0.248
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.210	0.211	0.219	0.219	2.7	0.216	119.1	0.363	133.2	0.400	137.3	0.401	158.6	0.350	183.7	0.397
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	250.2	0.997	328.8	0.210	342.8	0.221	347.1	0.220								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1031	0.103	0.200	0.305	0.293	0.406	0.619	0.836	0.961	1.000	0.948	0.931	0.898	0.782	0.628	0.402	0.260
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.255	0.231	0.157	0.452	0.625	0.713	0.746	0.722	0.763	0.811	0.741	0.593	0.399	0.253	0.264	0.262
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.139	0.111	0.157	0.134	80.4	1.000	89.9	0.946	152.7	0.223	180.3	0.155	214.4	0.747	218.3	0.752
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	249.9	0.811	294.9	0.220	324.6	0.086	342.2	0.167								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1032	0.189	0.190	0.198	0.235	0.340	0.473	0.634	0.771	0.845	0.847	0.776	0.659	0.541	0.434	0.365	0.343
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.345	0.346	0.353	0.376	0.460	0.645	0.839	0.960	0.996	0.926	0.766	0.576	0.422	0.325	0.230	0.196
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.185	0.185	0.186	0.188	83.2	0.855	89.3	0.850	149.8	0.343	238.4	1.000	313.8	0.185		
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1033	0.716	0.501	0.406	0.513	0.734	0.909	0.990	0.985	0.915	0.800	0.650	0.495	0.373	0.278	0.214	0.182
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.185	0.204	0.227	0.257	0.274	0.265	0.234	0.208	0.189	0.184	0.213	0.271	0.380	0.512	0.668	0.811
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.927	0.987	0.980	0.884	21.3	0.404	63.8	1.000	151.0	0.180	201.8	0.276	248.8	0.181	334.9	0.999
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1034	0.920	0.940	0.972	0.989	0.979	0.939	0.872	0.787	0.707	0.630	0.545	0.442	0.337	0.265	0.240	0.242
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.278	0.358	0.464	0.565	0.651	0.723	0.806	0.892	0.948	0.988	0.992	0.966	0.932	0.921	0.935	0.967
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.994	0.991	0.961	0.927	33.2	0.992	143.7	0.237	252.7	0.994	257.3	0.996	287.8	0.918	324.0	1.000
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1035	0.332	0.303	0.286	0.296	0.284	0.263	0.329	0.389	0.365	0.331	0.316	0.304	0.319	0.362	0.416	0.455
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.440	0.527	0.619	0.753	0.901	0.996	0.890	0.732	0.604	0.498	0.419	0.453	0.400	0.346	0.302	0.301
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.294	0.283	0.318	0.355	23.2	0.281	49.1	0.262	149.4	0.457	156.2	0.432	209.5	1.000	269.6	0.455
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	269.9	0.453	304.1	0.285	323.3	0.282	328.6	0.279								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1036	0.382	0.524	0.724	0.891	0.982	0.990	0.919	0.756	0.545	0.377	0.276	0.222	0.220	0.239	0.235	0.218
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.234	0.287	0.388	0.553	0.746	0.903	0.989	0.986	0.904	0.733	0.509	0.372	0.360	0.388	0.401	0.373
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.373	0.397	0.379	0.364	44.6	0.999	117.4	0.215	131.2	0.241	134.3	0.242	148.9	0.218	224.8	0.997
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	225.0	1.000	274.7	0.354	297.9	0.403	330.5	0.398								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1037	0.289	0.292	0.271	0.198	0.172	0.181	0.204	0.234	0.298	0.362	0.465	0.579	0.697	0.794	0.868	0.917
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.935	0.961	0.989	0.999	0.988	0.970	0.945	0.924	0.862	0.788	0.690	0.575	0.462	0.370	0.296	0.235
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.189	0.178	0.201	0.258	4.5	0.295	36.9	0.172	190.9	1.000	327.2	0.175	355.4	0.282		
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1038	0.917	0.840	0.647	0.557	0.534	0.539	0.561	0.686	0.860	0.970	0.992	0.909	0.785	0.637	0.512	0.408
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.338	0.387	0.462	0.445	0.405	0.371	0.326	0.273	0.308	0.384	0.392	0.413	0.331	0.351	0.442	0.568
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.719	0.875	0.981	0.993	42.0	0.531	44.0	0.530	46.0	0.533	232.0	0.267	234.0	0.265	236.0	0.270
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	268.0	0.416	282.0	0.323	284.0	0.320	352.0	0.995								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1039	1.000	0.941	0.834	0.709	0.586	0.467	0.356	0.322	0.338	0.364	0.404	0.453	0.508	0.563	0.646	0.732
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.820	0.889	0.925	0.895	0.819	0.729	0.647	0.576	0.515	0.462	0.412	0.365	0.335	0.324	0.374	0.486
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.597	0.715	0.838	0.950	66.0	0.321	180.7	0.926	291.3	0.323	351.8	0.966	357.0	0.996		

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1040	0.989	0.945	0.832	0.611	0.426	0.406	0.400	0.364	0.374	0.402	0.402	0.456	0.712	0.893	0.979	0.997
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.934	0.789	0.598	0.449	0.335	0.257	0.213	0.205	0.216	0.229	0.225	0.207	0.201	0.226	0.282	0.371
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.504	0.678	0.843	0.952	57.9	0.408	74.0	0.359	97.6	0.398	145.5	1.000	149.4	0.999	227.6	0.202
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	253.2	0.231	277.7	0.199	354.8	0.985	358.7	0.991								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1041	0.994	0.975	0.850	0.656	0.501	0.359	0.364	0.395	0.319	0.351	0.484	0.620	0.771	0.881	0.940	0.911
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.836	0.679	0.496	0.353	0.426	0.434	0.341	0.336	0.354	0.349	0.327	0.286	0.321	0.386	0.382	0.353
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.499	0.682	0.789	0.884	1.4	1.000	53.9	0.319	83.7	0.282	141.6	0.942	145.0	0.942	222.9	0.318
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	225.0	0.313	274.6	0.266	352.6	0.919	359.3	0.989								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1042	0.737	0.665	0.596	0.538	0.492	0.465	0.452	0.483	0.524	0.558	0.574	0.584	0.577	0.557	0.528	0.496
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.471	0.480	0.513	0.560	0.621	0.696	0.770	0.837	0.887	0.927	0.957	0.981	0.993	1.000	0.994	0.977
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.947	0.910	0.868	0.810	56.2	0.452	110.6	0.584	161.2	0.469	289.8	1.000				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1043	0.999	0.961	0.866	0.730	0.554	0.401	0.251	0.125	0.051	0.036	0.031	0.021	0.019	0.009	0.009	0.008
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.018	0.030	0.035	0.036	0.051	0.132	0.248	0.394
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.545	0.720	0.858	0.957	0.2	1.000	79.0	0.048	113.7	0.027	236.6	0.007	241.3	0.013	353.5	0.978
	saz7	sf7	saz8	sf8												
	355.8	0.990	359.2	0.995												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1044	0.975	0.990	0.996	0.999	0.998	0.996	0.994	0.993	0.984	0.969	0.945	0.911	0.866	0.805	0.723	0.640
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.541	0.415	0.314	0.278	0.314	0.374	0.418	0.412	0.365	0.319	0.271	0.321	0.417	0.544	0.654	0.732
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.805	0.863	0.915	0.951	33.1	1.000	55.6	0.994	68.3	0.994	187.4	0.275	220.3	0.419	224.5	0.425
	saz7	sf7	saz8	sf8												
	261.1	0.267	351.1	0.955												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1045	0.947	0.759	0.649	0.699	0.796	0.689	0.567	0.609	0.735	0.746	0.617	0.579	0.719	0.804	0.691	0.628
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.802	0.967	0.989	0.832	0.585	0.446	0.428	0.404	0.328	0.285	0.296	0.282	0.288	0.358	0.408	0.429
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.454	0.616	0.875	0.993	62.8	0.557	126.7	0.811	172.0	0.991	177.7	1.000	247.4	0.282	259.5	0.296
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	272.1	0.277	278.9	0.281	348.4	0.994	355.1	0.995								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1046	0.991	0.924	0.838	0.839	0.927	0.988	0.953	0.821	0.634	0.433	0.281	0.200	0.157	0.156	0.211	0.265
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.272	0.264	0.283	0.278	0.269	0.284	0.267	0.207	0.170	0.207	0.278	0.432	0.651	0.851	0.969	0.995
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.929	0.849	0.856	0.929	0.5	0.992	52.4	0.994	122.3	0.150	127.4	0.150	170.2	0.264	196.7	0.265
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	239.2	0.169	304.6	0.996	308.8	1.000	357.2	0.984								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1047	0.746	0.669	0.569	0.463	0.379	0.317	0.284	0.301	0.333	0.344	0.332	0.298	0.277	0.288	0.347	0.448
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.559	0.657	0.731	0.780	0.811	0.839	0.862	0.892	0.927	0.957	0.981	1.000	0.987	0.967	0.939	0.909
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3						
	0.880	0.856	0.836	0.806	58.9	0.284	90.3	0.344	125.8	0.275						

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1048	0.487	0.467	0.471	0.495	0.526	0.553	0.562	0.564	0.551	0.525	0.492	0.470	0.464	0.498	0.536	0.601
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.664	0.729	0.786	0.836	0.883	0.931	0.963	0.983	0.995	0.994	0.982	0.957	0.923	0.882	0.830	0.782
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.723	0.666	0.606	0.542	18.1	0.466	68.5	0.565	119.9	0.464	244.9	1.000				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1049	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.805	0.668	0.523	0.380	0.546	0.663	0.817	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	az320	az330	az340	az350												
	1.000	1.000	1.000	1.000												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1050	0.930	0.986	0.840	0.925	0.958	0.980	0.983	0.883	0.851	0.942	0.869	0.837	0.927	0.993	0.999	0.954
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.858	0.684	0.497	0.186	0.050	0.043	0.051	0.058	0.142	0.248	0.382	0.553	0.712	0.839	0.939	0.992
	az320	az330	az340	az350												
	0.992	0.956	0.871	0.806												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1051	0.998	0.995	0.994	0.989	0.980	0.965	0.934	0.892	0.839	0.770	0.690	0.605	0.484	0.361	0.275	0.284
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.339	0.395	0.420	0.388	0.333	0.281	0.278	0.362	0.477	0.590	0.696	0.768	0.833	0.888	0.935	0.967
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.987	0.996	0.999	0.999	143.2	0.265	147.5	0.272	175.0	0.423	179.6	0.421	211.0	0.275	214.2	0.264
	saz7	sf7	saz8	sf8												
	218.4	0.269	355.8	1.000												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1052	1.000	0.984	0.794	0.727	0.836	0.950	1.000	1.000	0.951	0.827	0.562	0.333	0.282	0.297	0.355	0.355
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.334	0.325	0.412	0.447	0.447	0.409	0.326	0.319	0.398	0.447	0.481	0.631	0.729	0.900	1.000	1.000
	az320	az330	az340	az350												
	1.000	0.891	0.794	0.794												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1053	0.712	0.620	0.602	0.615	0.625	0.626	0.641	0.682	0.742	0.838	0.908	0.946	0.946	0.900	0.793	0.708
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.656	0.645	0.661	0.681	0.705	0.725	0.758	0.791	0.812	0.799	0.768	0.750	0.799	0.876	0.950	0.997
	az320	az330	az340	az350												
	0.985	0.956	0.901	0.811												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1054	0.702	0.620	0.602	0.615	0.625	0.626	0.641	0.683	0.743	0.837	0.909	0.946	0.946	0.900	0.793	0.707
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.656	0.645	0.660	0.681	0.705	0.725	0.758	0.791	0.811	0.799	0.767	0.750	0.797	0.876	0.952	0.997
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.985	0.955	0.902	0.811	15.9	0.601	113.5	0.953	119.3	0.949	240.1	0.812	246.0	0.813	311.5	1.000
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1055	0.568	0.655	0.856	0.959	0.976	0.987	0.857	0.901	0.758	0.589	0.507	0.638	0.628	0.553	0.556	0.451
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.665	0.623	0.589	0.680	0.878	0.962	0.975	0.968	0.855	0.886	0.731	0.582	0.511	0.630	0.628	0.550
	az320	az330	az340	az350												
	0.551	0.442	0.653	0.620												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1056	1.000	0.891	0.891	1.000	1.000	1.000	1.000	0.891	0.741	0.501	0.193	0.054	0.047	0.054	0.062	0.147
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.256	0.400	0.578	0.740	0.861	0.967	1.000	1.000	1.000	0.938	0.891	1.000	1.000	0.891	1.000	1.000
	az320	az330	az340	az350												
	1.000	1.000	0.923	0.891												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1059	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.911
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.704	0.631	0.423	0.463	0.607	0.726	0.909	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	az320	az330	az340	az350												
	1.000	1.000	1.000	1.000												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1060	0.988	0.989	0.951	0.897	0.830	0.756	0.677	0.567	0.440	0.377	0.458	0.546	0.531	0.430	0.378	0.454
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.591	0.712	0.770	0.795	0.824	0.870	0.921	0.972	0.962	0.884	0.798	0.773	0.876	0.978	1.000	0.911
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.816	0.807	0.876	0.944	2.0	0.995	9.1	0.992	89.6	0.375	110.3	0.548	115.0	0.553	138.4	0.372
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	237.5	0.974	265.2	0.770	295.6	1.000	355.2	0.972								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1061	0.882	0.851	0.940	0.870	0.835	0.929	0.993	0.999	0.955	0.855	0.682	0.494	0.191	0.050	0.043	0.050
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.058	0.141	0.248	0.381	0.551	0.709	0.838	0.940	0.992	0.992	0.957	0.871	0.808	0.930	0.986	0.839
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.924	0.958	0.981	0.984	35.6	0.828	38.7	0.823	70.1	0.999	137.6	0.041	245.7	0.998	279.8	0.806
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	298.4	0.994	312.1	0.826	343.8	0.995	346.7	1.000								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1062	0.968	0.891	0.989	0.973	0.891	0.918	1.000	1.000	1.000	0.982	0.810	0.639	0.364	0.060	0.048	0.050
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.058	0.097	0.201	0.311	0.491	0.662	0.810	0.913	1.000	1.000	1.000	1.000	0.891	0.941	1.000	0.932
	az320	az330	az340	az350												
	0.891	1.000	1.000	1.000												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1063	0.990	0.980	0.970	0.930	0.930	0.940	0.970	0.995	0.980	0.950	0.880	0.800	0.720	0.640	0.560	0.450
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.350	0.280	0.250	0.260	0.290	0.350	0.450	0.550	0.640	0.710	0.800	0.880	0.950	0.990	0.995	0.980
	az320	az330	az340	az350												
	0.950	0.920	0.930	0.970												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1064	1.000	1.000	0.900	0.794	0.891	0.794	0.596	0.351	0.282	0.288	0.352	0.418	0.526	0.614	0.767	0.935
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1.000	1.000	1.000	0.885	0.766	0.635	0.453	0.338	0.286	0.313	0.355	0.316	0.256	0.251	0.370	0.489
	az320	az330	az340	az350												
	0.624	0.754	0.923	1.000												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1065	0.326	0.296	0.339	0.279	0.195	0.163	0.255	0.345	0.310	0.312	0.516	0.753	0.906	0.998	0.951	0.799
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.666	0.803	0.916	0.808	0.659	0.797	0.970	0.973	0.785	0.658	0.804	0.909	0.797	0.661	0.794	0.951
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.985	0.896	0.735	0.527	6.7	0.285	44.2	0.161	47.7	0.156	84.3	0.296	89.5	0.305	134.4	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	221.7	0.992	225.4	0.998	316.3	0.991	319.6	0.988								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1066	0.713	0.587	0.474	0.316	0.416	0.447	0.332	0.355	0.429	0.427	0.398	0.398	0.362	0.424	0.447	0.323
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.370	0.398	0.398	0.398	0.398	0.324	0.398	0.501	0.286	0.408	0.622	0.714	0.794	0.891	0.891	1.000
	az320	az330	az340	az350												
	1.000	0.891	0.851	0.794												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1067	1.000	0.998	0.997	0.998	0.998	0.993	0.976	0.948	0.915	0.867	0.805	0.728	0.646	0.545	0.422	0.321
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.272	0.302	0.367	0.419	0.414	0.366	0.307	0.273	0.326	0.430	0.546	0.653	0.739	0.810	0.869	0.916
	az320	az330	az340	az350												
	0.958	0.993	0.998	0.999												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1068	0.794	0.751	0.631	0.648	0.850	0.781	0.639	0.779	0.980	1.000	0.946	0.794	0.548	0.447	0.447	0.394
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.330	0.316	0.316	0.282	0.332	0.417	0.447	0.447	0.562	0.802	1.000	1.000	0.885	0.742	0.708	0.794
	az320	az330	az340	az350												
	0.814	0.631	0.590	0.725												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1069	0.827	0.902	0.927	0.875	0.807	0.816	0.881	0.896	0.875	0.841	0.914	0.992	0.993	0.942	0.834	0.704
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.545	0.389	0.281	0.170	0.106	0.174	0.298	0.417	0.608	0.752	0.878	0.975	0.995	0.972	0.877	0.838
	az320	az330	az340	az350												
	0.893	0.886	0.859	0.794												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1070	0.997	0.999	0.997	0.997	0.998	0.998	0.999	0.999	0.999	0.996	0.994	0.991	0.875	0.695	0.562	0.411
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.431	0.565	0.714	0.899	0.999	0.998	0.999	0.998	0.996	0.995	0.994	0.995	0.996	0.997	0.998	0.999
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.999	1.000	0.999	0.996	8.5	0.999	27.5	0.996	76.8	1.000	153.6	0.350	195.7	0.999	208.0	0.998
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	223.2	1.000	260.2	0.994	319.9	0.999	336.4	1.000								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1071	0.712	0.521	0.430	0.398	0.431	0.509	0.656	0.827	0.959	1.000	1.000	0.902	0.727	0.588	0.465	0.405
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.422	0.539	0.724	0.878	0.994	1.000	0.966	0.852	0.721	0.538	0.444	0.398	0.425	0.535	0.699	0.909
	az320	az330	az340	az350												
	1.000	1.000	1.000	0.902												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1072	0.415	0.332	0.287	0.273	0.256	0.220	0.174	0.149	0.137	0.130	0.139	0.128	0.196	0.305	0.456	0.604
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.742	0.863	0.952	0.998	0.973	0.906	0.858	0.933	0.991	0.925	0.728	0.541	0.597	0.701	0.730	0.650
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.475	0.383	0.449	0.497	87.9	0.128	99.3	0.140	113.3	0.125	191.5	1.000	217.5	0.851	239.9	0.991
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	273.1	0.530	297.6	0.740	327.4	0.378	349.6	0.499								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1073	0.415	0.332	0.287	0.273	0.256	0.220	0.174	0.149	0.137	0.130	0.139	0.128	0.196	0.305	0.456	0.604
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.742	0.863	0.952	0.998	0.973	0.906	0.858	0.933	0.991	0.925	0.728	0.541	0.597	0.701	0.730	0.650
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.475	0.383	0.449	0.497	87.9	0.128	99.3	0.140	113.3	0.125	191.5	1.000	217.5	0.851	239.9	0.991
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	273.1	0.530	297.6	0.740	327.4	0.378	349.6	0.499								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1074	0.470	0.453	0.395	0.393	0.410	0.425	0.417	0.385	0.333	0.269	0.199	0.128	0.066	0.032	0.019	0.017
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.017	0.017	0.016	0.016	0.016	0.026	0.073	0.184	0.313	0.454	0.599	0.761	0.912	0.997	0.930	0.745
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.517	0.418	0.371	0.390	5.0	0.474	26.4	0.391	205.0	0.016	266.3	0.703	269.7	0.763	291.7	1.000
	saz7	sf7														
	345.1	0.364														

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1075	0.578	0.542	0.449	0.310	0.237	0.258	0.407	0.595	0.782	0.912	0.982	0.982	0.950	0.914	0.902	0.902
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.906	0.914	0.915	0.916	0.912	0.907	0.908	0.927	0.961	0.994	0.988	0.890	0.762	0.584	0.391	0.267
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.265	0.357	0.475	0.547	43.2	0.231	100.8	0.987	105.0	0.995	177.3	0.915	193.6	0.920	257.0	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	313.0	0.244	317.1	0.247	355.0	0.572	359.9	0.579								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1076	0.599	0.694	0.693	0.623	0.491	0.495	0.594	0.523	0.380	0.424	0.496	0.488	0.405	0.398	0.544	0.580
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.487	0.497	0.639	0.705	0.686	0.585	0.534	0.748	0.839	0.718	0.716	0.909	1.000	0.983	0.872	0.692
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.735	0.839	0.712	0.524	16.7	0.704	81.2	0.376	84.1	0.380	122.7	0.381	125.1	0.373	126.4	0.372
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	189.6	0.705	237.2	0.841	284.5	1.000	330.5	0.840								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1077	0.833	0.934	0.985	0.992	0.950	0.872	0.764	0.640	0.499	0.395	0.257	0.190	0.129	0.099	0.098	0.098
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.097	0.102	0.150	0.221	0.287	0.448	0.554	0.688	0.808	0.910	0.974	0.998	0.968	0.893	0.794	0.776
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.828	0.845	0.805	0.759	22.8	0.995	26.7	1.000	136.9	0.098	150.4	0.099	162.9	0.096	168.4	0.094
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	269.8	0.999	306.7	0.762	332.0	0.845	357.1	0.803								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1078	0.998	0.999	0.999	0.999	0.996	0.994	0.991	0.875	0.695	0.562	0.411	0.431	0.565	0.714	0.899	0.999
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.998	0.999	0.998	0.996	0.995	0.994	0.995	0.996	0.997	0.998	0.999	0.999	1.000	0.999	0.996	0.997
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.999	0.997	0.997	0.998	26.8	1.000	103.6	0.350	145.7	0.999	158.0	0.998	173.2	1.000	210.2	0.994
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	286.4	1.000	303.1	0.995	318.5	0.999	337.5	0.996								

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1079	0.873	0.748	0.629	0.638	0.698	0.672	0.533	0.394	0.301	0.299	0.344	0.361	0.320	0.225	0.199	0.369
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.599	0.790	0.921	0.992	0.997	0.970	0.930	0.846	0.720	0.605	0.554	0.608	0.703	0.700	0.732	0.795
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.869	0.942	0.975	0.960	21.4	0.621	45.1	0.703	82.2	0.291	106.6	0.363	135.1	0.189	192.7	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	263.1	0.553	280.4	0.705	291.7	0.699	345.3	0.981								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1080	0.743	0.861	0.958	1.000	0.956	0.870	0.725	0.511	0.351	0.310	0.256	0.230	0.208	0.274	0.307	0.266
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.174	0.172	0.257	0.303	0.348	0.506	0.706	0.853	0.935	0.990	0.961	0.864	0.748	0.614	0.413	0.265
	az320	az330	az340	az350												
	0.284	0.262	0.387	0.601												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1081	0.852	0.962	0.999	0.954	0.853	0.699	0.542	0.385	0.285	0.205	0.137	0.095	0.057	0.048	0.038	0.029
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.020	0.014	0.016	0.017	0.019	0.020	0.022	0.023	0.025	0.026	0.032	0.047	0.062	0.086	0.133	0.205
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3						
	0.296	0.414	0.557	0.693	19.5	0.999	166.6	0.014	355.8	0.790						
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1082	0.982	0.989	0.926	0.785	0.601	0.440	0.377	0.349	0.293	0.236	0.240	0.294	0.359	0.371	0.445	0.649
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.842	0.957	0.995	0.947	0.831	0.649	0.466	0.386	0.350	0.289	0.220	0.218	0.269	0.319	0.339	0.352
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.456	0.642	0.825	0.931	5.1	1.000	95.6	0.227	179.9	0.995	263.0	0.211	269.0	0.213	352.0	0.948
	saz7	sf7														
	358.5	0.976														

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1083	0.832	0.789	0.662	0.590	0.750	0.919	0.997	0.977	0.897	0.789	0.667	0.551	0.454	0.369	0.296	0.228
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.168	0.078	0.036	0.070	0.167	0.234	0.277	0.289	0.333	0.446	0.589	0.718	0.825	0.887	0.916	0.857
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.735	0.593	0.621	0.746	1.8	0.836	25.0	0.567	26.8	0.562	61.2	1.000	181.6	0.031	299.8	0.917
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	332.4	0.570	335.2	0.566	353.5	0.792	357.7	0.822								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1084	0.018	0.022	0.026	0.030	0.034	0.067	0.129	0.191	0.254	0.316	0.468	0.620	0.772	0.924	0.968	0.903
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.838	0.773	0.708	0.590	0.472	0.355	0.237	0.161	0.127	0.093	0.059	0.025	0.020	0.014	0.008	0.003
	az320	az330	az340	az350	saz1	sf1										
	0.002	0.006	0.010	0.014	135.0	1.000										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1085	1.000	0.891	1.000	0.726	0.794	0.882	0.897	0.891	1.000	1.000	0.957	0.989	0.631	0.672	0.604	0.773
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.570	0.562	0.524	0.501	0.501	0.300	0.330	0.417	0.437	0.429	0.463	0.562	0.478	0.525	0.224	0.469
	az320	az330	az340	az350												
	0.631	0.868	0.800	1.000												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1086	0.622	0.692	0.764	0.826	0.880	0.927	0.962	0.980	0.993	1.000	0.989	0.974	0.948	0.913	0.865	0.814
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.755	0.686	0.620	0.556	0.496	0.455	0.435	0.435	0.458	0.510	0.540	0.549	0.535	0.503	0.468	0.440
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.433	0.458	0.506	0.558	89.8	1.000	230.3	0.435	270.2	0.549	319.9	0.433				

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1087	0.812	0.651	0.632	0.836	0.984	0.973	0.849	0.729	0.607	0.441	0.251	0.220	0.242	0.197	0.277	0.379
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.431	0.450	0.465	0.446	0.423	0.342	0.258	0.223	0.243	0.216	0.338	0.529	0.671	0.780	0.903	0.994
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.945	0.739	0.585	0.746	40.3	0.986	45.1	1.000	106.7	0.211	119.9	0.243	130.4	0.195	226.5	0.205
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	250.6	0.214	310.6	0.997	355.3	0.821	358.3	0.832								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1088	0.812	0.651	0.632	0.836	0.984	0.973	0.849	0.729	0.607	0.441	0.251	0.220	0.242	0.197	0.277	0.379
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.431	0.450	0.465	0.446	0.423	0.342	0.258	0.223	0.243	0.216	0.338	0.529	0.671	0.780	0.903	0.994
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.945	0.739	0.585	0.746	40.3	0.986	45.1	1.000	106.7	0.211	119.9	0.243	130.4	0.195	226.5	0.205
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	250.6	0.214	310.6	0.997	355.3	0.821	358.3	0.832								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1089	0.812	0.651	0.632	0.836	0.984	0.973	0.849	0.729	0.607	0.441	0.251	0.220	0.242	0.197	0.277	0.379
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.431	0.450	0.465	0.446	0.423	0.342	0.258	0.223	0.243	0.216	0.338	0.529	0.671	0.780	0.903	0.994
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.945	0.739	0.585	0.746	40.3	0.986	45.1	1.000	106.7	0.211	119.9	0.243	130.4	0.195	226.5	0.205
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	250.6	0.214	310.6	0.997	355.3	0.821	358.3	0.832								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1090	0.941	0.965	0.983	0.964	0.940	0.913	0.915	0.943	0.978	0.987	0.966	0.913	0.835	0.744	0.674	0.595
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.495	0.390	0.303	0.250	0.238	0.250	0.309	0.386	0.504	0.594	0.677	0.755	0.834	0.912	0.965	0.992
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.985	0.952	0.924	0.924	20.8	0.984	53.7	0.907	91.6	0.988	199.1	0.237	315.0	0.996	343.3	0.916
	saz7	sf7														
	354.8	0.929														

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1091	0.749	0.872	0.959	0.999	0.961	0.873	0.758	0.631	0.516	0.427	0.412	0.432	0.435	0.430	0.410	0.425
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.501	0.633	0.756	0.865	0.942	0.977	0.952	0.859	0.749	0.628	0.499	0.421	0.410	0.421	0.430	0.423
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.410	0.411	0.491	0.623	30.4	1.000	96.0	0.409	116.2	0.435	141.6	0.406	212.5	0.980	276.9	0.406
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	322.8	0.406	328.7	0.408	350.4	0.628	358.3	0.727								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1092	0.424	0.586	0.719	0.798	0.845	0.863	0.843	0.775	0.634	0.447	0.333	0.293	0.286	0.316	0.392	0.530
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.676	0.786	0.845	0.877	0.908	0.953	0.992	0.982	0.905	0.817	0.743	0.675	0.621	0.559	0.463	0.369
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.319	0.307	0.317	0.348	50.6	0.863	111.9	0.286	222.8	1.000	333.9	0.302				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1093	0.353	0.353	0.341	0.307	0.285	0.334	0.405	0.489	0.599	0.727	0.858	0.957	0.994	0.947	0.818	0.716
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.731	0.864	0.991	0.962	0.806	0.709	0.745	0.881	0.977	0.994	0.922	0.808	0.673	0.558	0.460	0.373
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.308	0.285	0.320	0.345	35.8	0.285	38.5	0.281	118.8	0.997	158.0	0.714	183.1	1.000	245.9	0.996
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	249.9	0.994	327.0	0.283	329.2	0.283	355.9	0.352								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1094	0.083	0.088	0.112	0.135	0.297	0.503	0.655	0.807	0.913	0.952	0.914	0.757	0.507	0.380	0.405	0.590
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.821	0.962	0.998	0.973	0.935	0.928	0.982	0.972	0.924	0.906	0.934	0.942	0.884	0.792	0.673	0.565
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.433	0.259	0.151	0.094	5.3	0.077	86.1	0.963	129.1	0.379	177.6	1.000	202.0	0.928	208.3	0.923
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	222.0	0.994	226.2	0.994	250.2	0.906	265.7	0.950								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1095	0.306	0.209	0.155	0.217	0.299	0.386	0.502	0.599	0.697	0.796	0.883	0.956	0.954	0.929	0.877	0.807
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.701	0.596	0.509	0.438	0.352	0.238	0.261	0.410	0.535	0.676	0.808	0.912	0.981	0.999	0.962	0.907
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.818	0.691	0.550	0.420	19.1	0.150	110.1	0.957	115.3	0.959	212.4	0.223	216.4	0.225	290.7	1.000
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1096	0.439	0.567	0.692	0.808	0.925	0.999	0.959	0.858	0.719	0.577	0.463	0.359	0.260	0.166	0.139	0.256
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.379	0.477	0.595	0.711	0.834	0.933	0.991	0.944	0.829	0.699	0.558	0.436	0.321	0.230	0.162	0.113
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.075	0.137	0.235	0.330	50.3	1.000	139.2	0.114	220.7	0.993	319.9	0.074	355.1	0.384	358.4	0.418
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1097	0.989	0.999	0.989	0.970	0.939	0.899	0.853	0.803	0.749	0.693	0.640	0.598	0.563	0.541	0.536	0.571
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.604	0.620	0.627	0.631	0.627	0.614	0.596	0.565	0.536	0.544	0.565	0.598	0.640	0.695	0.751	0.807
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.860	0.906	0.944	0.971	10.8	1.000	133.3	0.534	139.2	0.534	189.7	0.632	245.7	0.535	357.8	0.987
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1098	0.708	0.564	0.406	0.257	0.307	0.440	0.400	0.351	0.487	0.552	0.519	0.422	0.401	0.502	0.529	0.458
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.494	0.547	0.481	0.353	0.299	0.284	0.392	0.458	0.298	0.290	0.553	0.742	0.773	0.763	0.832	0.952
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.984	0.873	0.791	0.772	31.3	0.238	67.6	0.343	93.0	0.571	96.5	0.558	204.6	0.278	209.3	0.277
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	244.2	0.213	277.0	0.781	286.6	0.756	315.9	1.000								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1099	0.446	0.269	0.415	0.673	0.836	0.947	0.991	0.995	0.997	1.000	0.959	0.860	0.700	0.517	0.354	0.261
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.193	0.141	0.138	0.144	0.168	0.213	0.232	0.274	0.349	0.436	0.541	0.636	0.708	0.788	0.776	0.726
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.742	0.769	0.787	0.691	9.0	0.268	90.2	1.000	174.0	0.134	295.2	0.800	311.4	0.719	341.9	0.789
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1100	0.294	0.327	0.220	0.333	0.414	0.425	0.305	0.232	0.381	0.516	0.483	0.426	0.540	0.754	0.924	0.994
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.939	0.798	0.605	0.444	0.400	0.335	0.230	0.196	0.292	0.308	0.154	0.267	0.385	0.472	0.462	0.408
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.367	0.316	0.239	0.158	21.0	0.209	93.9	0.527	152.3	1.000	153.5	0.995	226.2	0.163	259.6	0.150
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	291.9	0.481	297.3	0.478	346.4	0.158	348.5	0.144								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1101	0.125	0.187	0.404	0.562	0.717	0.825	0.908	0.975	0.999	0.991	0.913	0.795	0.669	0.530	0.506	0.514
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.517	0.576	0.685	0.780	0.870	0.959	0.997	0.964	0.914	0.832	0.723	0.596	0.472	0.365	0.269	0.196
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3						
	0.157	0.138	0.121	0.114	77.7	1.000	136.4	0.502	218.3	1.000						
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1102	0.525	0.586	0.653	0.733	0.820	0.890	0.925	0.894	0.816	0.731	0.653	0.582	0.523	0.466	0.411	0.362
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.325	0.328	0.365	0.472	0.588	0.723	0.848	0.955	1.000	0.954	0.857	0.732	0.603	0.486	0.388	0.325
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.326	0.363	0.412	0.466	62.2	0.928	166.9	0.316	314.4	0.316	350.5	0.469				

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1103	0.525	0.586	0.653	0.733	0.820	0.890	0.925	0.894	0.816	0.731	0.653	0.582	0.523	0.466	0.411	0.362
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.325	0.328	0.365	0.472	0.588	0.723	0.848	0.955	1.000	0.954	0.857	0.732	0.603	0.486	0.388	0.325
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.326	0.363	0.412	0.466	62.2	0.928	166.9	0.316	314.4	0.316	350.5	0.469				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1104	0.824	0.943	0.996	0.903	0.798	0.767	0.854	0.831	0.681	0.545	0.443	0.353	0.278	0.228	0.187	0.173
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.174	0.182	0.190	0.199	0.181	0.193	0.174	0.147	0.161	0.184	0.200	0.243	0.321	0.400	0.498	0.622
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.753	0.864	0.834	0.780	19.5	1.000	64.7	0.880	153.5	0.169	197.6	0.175	207.4	0.198	231.1	0.143
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	256.5	0.184	331.9	0.878	346.7	0.780	353.2	0.780								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1105	0.673	0.602	0.434	0.324	0.523	0.667	0.636	0.598	0.749	0.912	1.000	1.000	0.943	0.868	0.664	0.533
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.707	0.815	0.708	0.590	0.720	0.900	0.970	0.973	0.940	0.857	0.680	0.531	0.605	0.667	0.559	0.412
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.493	0.649	0.703	0.694	28.3	0.309	52.7	0.680	99.9	1.000	148.8	0.522	229.9	0.973	271.9	0.526
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	288.9	0.670	310.4	0.408	312.4	0.402	339.8	0.703								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1106	0.556	0.626	0.698	0.767	0.832	0.895	0.949	0.985	1.000	0.985	0.949	0.895	0.832	0.767	0.698	0.626
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.556	0.490	0.425	0.358	0.287	0.212	0.141	0.101	0.100	0.122	0.132	0.122	0.100	0.101	0.141	0.212
	az320	az330	az340	az350												
	0.287	0.358	0.425	0.490												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1107	0.350	0.370	0.557	0.769	0.942	0.997	1.000	0.914	0.781	0.605	0.462	0.423	0.352	0.181	0.068	0.155
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.121	0.040	0.146	0.161	0.118	0.112	0.307	0.486	0.642	0.789	0.910	0.940	0.876	0.841	0.872	0.783
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.607	0.413	0.318	0.389	6.7	0.318	60.1	1.000	139.4	0.062	154.1	0.170	169.9	0.039	186.8	0.175
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	208.4	0.083	268.9	0.942	300.2	0.873	351.0	0.394								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1108	0.428	0.282	0.205	0.130	0.063	0.130	0.147	0.113	0.065	0.109	0.146	0.129	0.109	0.134	0.181	0.215
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.251	0.301	0.371	0.491	0.618	0.709	0.668	0.541	0.557	0.757	0.901	0.893	0.830	0.865	0.935	0.985
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.969	0.879	0.741	0.579	37.9	0.049	57.2	0.157	75.7	0.047	103.9	0.159	115.5	0.101	208.7	0.711
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	261.4	0.912	265.9	0.911	279.4	0.829	314.8	1.000								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1109	0.413	0.424	0.448	0.493	0.545	0.614	0.684	0.751	0.811	0.868	0.922	0.965	0.987	0.998	1.000	0.992
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.977	0.958	0.935	0.889	0.835	0.777	0.716	0.649	0.578	0.517	0.470	0.432	0.418	0.424	0.475	0.529
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.541	0.537	0.501	0.441	3.6	0.409	142.1	1.000	282.7	0.414	327.9	0.541				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1110	0.367	0.448	0.458	0.505	0.649	0.765	0.795	0.800	0.780	0.734	0.697	0.777	0.898	0.988	0.966	0.854
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.772	0.767	0.783	0.774	0.718	0.650	0.590	0.518	0.391	0.297	0.268	0.235	0.204	0.197	0.192	0.188
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.209	0.253	0.292	0.311	16.9	0.460	21.4	0.457	55.6	0.798	75.0	0.803	132.5	0.998	134.5	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	185.5	0.785	315.2	0.185	351.5	0.314	355.6	0.324								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1111	0.983	0.961	0.921	0.865	0.777	0.651	0.506	0.374	0.358	0.435	0.395	0.356	0.490	0.647	0.778	0.872
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.931	0.975	0.998	0.971	0.826	0.560	0.329	0.412	0.530	0.524	0.429	0.399	0.456	0.534	0.470	0.350
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.358	0.583	0.823	0.965	180.9	1.000	221.0	0.325	222.6	0.328	244.0	0.551	293.1	0.544	312.4	0.319
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	314.9	0.307	317.7	0.317	350.5	0.970	355.5	0.983								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1112	0.592	0.684	0.764	0.839	0.892	0.934	0.965	0.984	0.997	0.999	0.996	0.981	0.961	0.932	0.888	0.825
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.751	0.676	0.586	0.491	0.403	0.343	0.313	0.326	0.368	0.412	0.453	0.469	0.454	0.417	0.372	0.333
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.316	0.337	0.407	0.496	83.6	1.000	219.9	0.313	270.3	0.469	318.1	0.315	354.9	0.544		
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1113	0.874	0.833	0.815	0.802	0.796	0.793	0.801	0.812	0.837	0.870	0.919	0.973	0.998	0.971	0.894	0.765
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.593	0.423	0.324	0.346	0.456	0.563	0.624	0.611	0.544	0.439	0.344	0.326	0.426	0.585	0.752	0.885
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.965	0.999	0.968	0.920	50.2	0.793	122.1	0.998	182.9	0.320	219.8	0.624	267.3	0.321	269.8	0.324
	saz7	sf7														
	328.6	1.000														
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1114	0.247	0.240	0.224	0.217	0.323	0.454	0.589	0.765	0.882	0.955	0.992	0.997	0.974	0.945	0.909	0.908
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.949	0.978	0.986	0.970	0.944	0.912	0.916	0.942	0.965	0.984	0.978	0.946	0.876	0.765	0.617	0.467
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.341	0.275	0.210	0.226	28.9	0.206	108.8	1.000	142.0	0.905	149.0	0.905	175.4	0.990	207.2	0.911
	saz7	sf7	saz8	sf8												
	255.9	0.987	340.4	0.208												

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1115	0.239	0.236	0.222	0.214	0.318	0.452	0.595	0.766	0.875	0.948	0.991	0.995	0.973	0.942	0.908	0.904
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.938	0.966	0.983	0.970	0.942	0.900	0.910	0.935	0.963	0.984	0.974	0.942	0.874	0.770	0.618	0.462
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.336	0.272	0.208	0.224	2.9	0.242	29.1	0.205	106.8	1.000	177.3	0.985	210.3	0.899	255.5	0.989
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	269.9	0.941	270.2	0.943	340.3	0.206	352.5	0.229								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1116	0.303	0.308	0.313	0.319	0.317	0.314	0.305	0.301	0.334	0.409	0.505	0.619	0.739	0.839	0.912	0.960
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.985	0.992	0.998	0.994	0.986	0.992	0.991	0.989	0.990	0.991	0.987	0.976	0.956	0.912	0.842	0.747
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.627	0.513	0.417	0.337	65.5	0.301	184.9	1.000	199.9	0.986	215.7	0.992	227.2	0.989	246.7	0.991
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1117	0.297	0.248	0.318	0.474	0.510	0.464	0.511	0.665	0.841	0.943	0.875	0.776	0.759	0.856	0.866	0.658
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.580	0.680	0.574	0.604	0.841	0.920	0.833	0.739	0.807	0.936	1.000	0.939	0.796	0.539	0.331	0.271
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.271	0.367	0.274	0.237	11.2	0.236	13.8	0.231	89.8	0.943	136.0	0.898	205.6	0.924	260.5	1.000
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	269.7	0.938	316.2	0.249	345.9	0.226	348.0	0.222								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1118	0.417	0.383	0.421	0.506	0.528	0.532	0.594	0.690	0.778	0.867	0.966	0.997	0.895	0.681	0.561	0.577
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.582	0.549	0.622	0.749	0.851	0.875	0.898	0.914	0.899	0.817	0.724	0.631	0.543	0.464	0.378	0.363
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.406	0.414	0.425	0.434	10.3	0.382	107.8	1.000	142.1	0.553	153.1	0.595	155.8	0.598	159.0	0.586
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	171.4	0.547	234.4	0.917	305.3	0.358	346.1	0.436								

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1119	0.977	0.988	0.997	0.991	0.987	0.988	0.993	0.992	0.993	0.991	0.992	0.978	0.953	0.911	0.843	0.751
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.633	0.513	0.410	0.327	0.305	0.309	0.312	0.316	0.314	0.309	0.302	0.296	0.328	0.395	0.492	0.604
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.722	0.826	0.901	0.951	22.1	1.000	60.1	0.994	69.5	0.992	78.6	0.994	97.7	0.995	194.8	0.305
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	198.8	0.305	233.9	0.317	268.3	0.295	358.8	0.976								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1120	0.972	0.948	0.920	0.894	0.870	0.845	0.801	0.726	0.597	0.425	0.292	0.291	0.336	0.412	0.458	0.466
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.458	0.404	0.337	0.294	0.304	0.414	0.595	0.731	0.818	0.855	0.878	0.900	0.925	0.951	0.974	0.985
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.990	0.995	1.000	0.989	102.0	0.285	105.9	0.283	155.6	0.468	191.6	0.288	195.4	0.287	340.3	1.000
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1121	0.958	0.848	0.717	0.590	0.467	0.299	0.165	0.194	0.221	0.201	0.244	0.272	0.285	0.261	0.174	0.161
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.265	0.324	0.348	0.438	0.556	0.646	0.723	0.816	0.905	0.892	0.728	0.511	0.462	0.469	0.444	0.359
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.436	0.671	0.890	0.998	60.5	0.160	64.1	0.157	141.3	0.146	144.3	0.141	149.1	0.151	241.3	0.919
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	245.1	0.926	278.8	0.458	285.0	0.482	350.3	1.000								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1122	0.638	0.569	0.504	0.469	0.460	0.480	0.509	0.536	0.557	0.563	0.555	0.533	0.503	0.476	0.463	0.470
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.504	0.567	0.632	0.694	0.754	0.809	0.861	0.910	0.950	0.975	0.988	0.996	0.993	0.979	0.955	0.919
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.872	0.818	0.758	0.698	39.4	0.459	85.3	0.565	142.1	0.460	270.1	1.000				

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1123	0.319	0.290	0.307	0.336	0.342	0.335	0.310	0.282	0.313	0.362	0.445	0.548	0.655	0.743	0.787	0.817
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.842	0.873	0.904	0.935	0.965	0.988	1.000	0.985	0.960	0.932	0.903	0.872	0.844	0.816	0.786	0.746
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4				
	0.664	0.553	0.454	0.375	12.1	0.289	38.0	0.342	69.7	0.281	220.1	1.000				
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1124	0.476	0.438	0.419	0.431	0.468	0.523	0.588	0.665	0.734	0.798	0.862	0.910	0.957	0.991	1.000	1.000
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1.000	1.000	1.000	0.985	0.937	0.889	0.830	0.756	0.678	0.605	0.542	0.485	0.441	0.421	0.425	0.447
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3						
	0.498	0.528	0.535	0.525	17.3	0.418	293.2	0.414	341.3	0.536						
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1125	0.202	0.187	0.184	0.201	0.273	0.494	0.688	0.839	0.949	0.997	0.946	0.835	0.682	0.538	0.391	0.256
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.214	0.205	0.217	0.202	0.212	0.270	0.392	0.529	0.672	0.819	0.941	0.998	0.963	0.859	0.710	0.510
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.258	0.204	0.183	0.188	18.0	0.181	90.6	0.998	172.9	0.202	179.7	0.218	188.5	0.201	270.9	0.999
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	270.9	1.000	343.0	0.180	351.2	0.190	357.8	0.204								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1126	0.415	0.468	0.526	0.590	0.659	0.743	0.838	0.898	0.921	0.880	0.793	0.706	0.635	0.570	0.511	0.456
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.405	0.358	0.320	0.326	0.379	0.486	0.619	0.746	0.868	0.968	0.993	0.932	0.826	0.698	0.567	0.446
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5		
	0.366	0.313	0.329	0.369	77.9	0.925	184.6	0.316	258.0	1.000	332.5	0.310	352.0	0.377		

Table A: Canada Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1127	0.645	0.466	0.355	0.540	0.670	0.702	0.595	0.579	0.725	0.879	0.974	0.996	0.941	0.767	0.564	0.537
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.703	0.694	0.543	0.394	0.476	0.615	0.714	0.750	0.678	0.517	0.382	0.488	0.563	0.524	0.425	0.430
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.539	0.640	0.725	0.753	15.5	0.341	17.6	0.327	106.0	1.000	163.9	0.729	191.2	0.388	230.6	0.751
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	258.5	0.381	304.2	0.387	344.8	0.757	349.1	0.758								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1128	0.255	0.253	0.254	0.256	0.258	0.257	0.257	0.257	0.257	0.257	0.255	0.253	0.251	0.249	0.247	0.245
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.246	0.246	0.245	0.243	0.242	0.241	0.241	0.240	0.240	0.239	0.239	0.240	0.241	0.485	0.807	0.965
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.964	0.815	0.478	0.257	11.6	0.253	39.4	0.258	65.6	0.257	95.0	0.257	146.9	0.245	170.8	0.246
	saz7	sf7	saz8	sf8												
	257.1	0.239	315.6	1.000												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
1129	0.385	0.210	0.127	0.099	0.072	0.044	0.016	0.036	0.081	0.126	0.229	0.376	0.532	0.671	0.792	0.891
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.958	0.996	0.995	0.964	0.900	0.768	0.748	0.904	0.903	0.739	0.755	0.900	0.966	0.998	0.990	0.954
	az320	az330	az340	az350	saz1	sf1	saz2	sf2	saz3	sf3	saz4	sf4	saz5	sf5	saz6	sf6
	0.891	0.802	0.681	0.539	63.4	0.007	171.5	1.000	179.3	0.997	214.1	0.711	232.5	0.933	234.7	0.936
	saz7	sf7	saz8	sf8	saz9	sf9	saz10	sf10								
	251.9	0.712	254.8	0.701	257.2	0.706	295.2	1.000								

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
2	AK	FAIRBANKS	645520	1474249	Vacant	218	3	461		
7	AK	FAIRBANKS	645520	1474255	KFXF	268	6.1	512		
9	AK	FAIRBANKS	645442	1474638	KUAC	177	6.3	434		
11	AK	FAIRBANKS	645036	1474248	Vacant	-3	11.2	179		
18	AK	FAIRBANKS	645520	1474249	KATN	218	1000	461		
22	AK	FAIRBANKS	645520	1474255	Vacant	214	50	457		
24	AK	FAIRBANKS	645442	1474638	Vacant	163	69	420		
26	AK	FAIRBANKS	645036	1474248	KTVF	-11	52	161		
28	AK	FAIRBANKS	645520	1474255	Vacant	214	1	457		
3	AK	JUNEAU	581804	1342521	Vacant	1	3	76		
8	AK	JUNEAU	581805	1342626	Vacant	1	5	82		
10	AK	JUNEAU	581756	1342407	KTOO	-320	1	79		
11	AK	JUNEAU	581805	1342626	KJUD	-289	3.2	83		
4	AK	KETCHIKAN	552059	1314012	Vacant	1	3	30		
13	AK	KETCHIKAN	552059	1314012	KUBD	-77	3.2	100	0	29997
4	AK	NORTH POLE	644532	1471926	Vacant	5	1	160		
20	AK	NORTH POLE	644532	1471926	KJNP	8	50	163		
2	AK	SITKA	570301	1352004	Vacant	-212	1	50		
7	AK	SITKA	570301	1352004	KTNL	-212	11.2	50		
13	AK	SITKA	570327	1352002	Vacant	1	5	54		
3	CT	HARTFORD	414630	724820	Vacant	271	8	358		
18	CT	HARTFORD	414630	724804	Vacant	299	125	384		
33	CT	HARTFORD	414630	724820	WFSB	289	1000	376	0	44846
46	CT	HARTFORD	414630	724804	WUVN	269	217	354		
26	ID	COEUR D'ALENE	474354	1164347	Vacant	465	154	1265		
45	ID	COEUR D'ALENE	474354	1164347	KCDT	465	50	1265		
3	ID	LEWISTON	462727	1170556	Vacant	384	6	975		
32	ID	LEWISTON	462727	1170556	KLEW	361	200	960	60	29292
35	ID	MOSCOW	464107	1165034	Vacant	223	58	1048		

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
12	ID	MOSCOW	464054	1165813	KUID	340	128.5	1186		
12	IN	ANGOLA	412715	844810	WINM	132	16.5	392	0	33342
28	IN	ELKHART	413658	861138	WSJV	335	560	575		
15	IN	FORT WAYNE	410538	851048	Vacant	252	80	492		
19	IN	FORT WAYNE	410539	851036	WISE	239	350	483		
21	IN	FORT WAYNE	410608	851105	Vacant	224	57	470		
24	IN	FORT WAYNE	410608	851105	WPTA	224	335	470		
31	IN	FORT WAYNE	410538	851048	WANE	242	1000	482	0	66172
33	IN	FORT WAYNE	410539	851036	Vacant	239	47	483		
36	IN	FORT WAYNE	410633	851142	WFFT	241	1000	488	0	29265
39	IN	FORT WAYNE	410613	851128	Vacant	223	57	468		
40	IN	FORT WAYNE	410613	851128	WFWA	221	90	467		
6	IN	INDIANAPOLIS	395357	861204	Vacant	279	8	534		
8	IN	INDIANAPOLIS	395325	861220	Vacant	305	16	557		
9	IN	INDIANAPOLIS	395325	861220	WISH	284	19.5	535		
13	IN	INDIANAPOLIS	395543	861055	WTHR	299	41	551		
16	IN	INDIANAPOLIS	395340	861221	WHMB	302	225	557		
20	IN	INDIANAPOLIS	395359	861201	Vacant	259	40	507		
21	IN	INDIANAPOLIS	395359	861201	WFYI	236	200	491	0	33405
25	IN	INDIANAPOLIS	395358	861202	WRTV	294	898	549		
40	IN	INDIANAPOLIS	395340	861221	Vacant	302	60	553		
44	IN	INDIANAPOLIS	395320	861207	WDTI	167	215	420		
45	IN	INDIANAPOLIS	395320	861207	WXIN	285	700	536		
46	IN	INDIANAPOLIS	395543	861055	Vacant	265	1000	521		
29	IN	KOKOMO	395320	861207	WTTK	285	1000	537		
11	IN	LAFAYETTE	402320	863646	WLFI	214	30	440	0	46110
18	IN	LAFAYETTE	402320	863646	Vacant	238	47	465		
32	IN	MARION	400856	855615	WNDY	271	1000	523	0	33152
23	IN	MUNCIE	400537	852332	WIPB	246	340	554		

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
49	IN	MUNCIE	400938	852242	Vacant	155	158	454		
39	IN	RICHMOND	393044	843809	WKOI	302	500	572		
43	IN	RICHMOND	393044	843809	Vacant	302	65	572		
16	IN	SOUTH BEND	413620	861246	Vacant	326	180	565		
22	IN	SOUTH BEND	413700	861301	WSBT	333	488	574		
30	IN	SOUTH BEND	413700	861301	Vacant	333	400	574		
34	IN	SOUTH BEND	413659	861143	Vacant	246	43	485		
35	IN	SOUTH BEND	413649	861120	WNIT	333	50	574		
42	IN	SOUTH BEND	413620	861246	WNDU	299	695	538		
46	IN	SOUTH BEND	413543	860938	Vacant	305	25	550		
48	IN	SOUTH BEND	413543	860938	WHME	295	300	538	0	30032
25	KY	ASHLAND	382743	823712	Vacant	152	166	363		
26	KY	ASHLAND	382744	823712	WKAS	137	61.3	351	0	31365
50	KY	ASHLAND	384542	830341	Vacant	367	190	601		
51	KY	ASHLAND	383021	821233	Vacant	392	100	614		
24	KY	COVINGTON	390150	843023	WCVN	117	53.5	335	0	31523
19	KY	NEWPORT	390719	843252	Vacant	306	210	522		
29	KY	NEWPORT	390719	843252	WXIX	290	227	506	0	19124
19	MA	ADAMS	423814	731007	Vacant	637	12	1116		
36	MA	ADAMS	423814	731008	WCDC	631	48	1102	0	68110
2	MA	BOSTON	421837	711414	Vacant	335	6	378		
4	MA	BOSTON	421837	711414	Vacant	353	5	397		
5	MA	BOSTON	421837	711414	Vacant	353	5	397		
7	MA	BOSTON	421840	711300	WHDH	306	42.3	350		
19	MA	BOSTON	421837	711414	WGBH	374	700	417		
20	MA	BOSTON	421837	711414	WCVB	390	625	433		
25	MA	BOSTON	421810	711307	Vacant	357	60	401		
30	MA	BOSTON	421837	711414	WBZ	390	825	434		
31	MA	BOSTON	421812	711308	WFXT	341	1000	384	0	30342

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
32	MA	BOSTON	421827	711327	WBPX	292	300	335	0	41971
38	MA	BOSTON	421812	711308	Vacant	354	70	401		
39	MA	BOSTON	421812	711308	WSBK	354	150	401		
42	MA	BOSTON	421841	711300	Vacant	288	948	332		
43	MA	BOSTON	421837	711414	WGBX	391	500	434		
44	MA	BOSTON	421837	711414	Vacant	374	25	417		
41	MA	CAMBRIDGE	421812	711308	WLVI	345	550	388	0	46190
18	MA	LAWRENCE	421827	711327	WMFP	357	1000	400		
23	MA	MARLBOROUGH	422302	712937	Vacant	334	100	413		
27	MA	MARLBOROUGH	422302	712937	WUTF	356	213	436		
6	MA	NEW BEDFORD	413548	711124	Vacant	283	8	308		
49	MA	NEW BEDFORD	415154	711715	WLNE	284	350	313	0	66255
10	MA	NORWELL	420038	710242	WWDP	144	28.6	180		
46	MA	NORWELL	420136	710335	Vacant	107	381	141		
4	MA	PITTSFIELD	423731	740038	Vacant	397	5	655		
13	MA	PITTSFIELD	423731	740038	WNYA	397	37.8	655		
51	MA	PITTSFIELD	423009	731858	Vacant	293	25	703		
11	MA	SPRINGFIELD	420505	724214	WWLP	268	10	346		
22	MA	SPRINGFIELD	421430	723854	WGBY	306	130	404		
40	MA	SPRINGFIELD	421430	723857	WGGB	324	993	419		
29	MA	WORCESTER	422007	714254	WUNI	453	200	598		
47	MA	WORCESTER	421827	711327	WYDN	217	365	259	0	40890
48	MA	WORCESTER	421814	715351	Vacant	246	61	482		
16	MD	HAGERSTOWN	395325	775804	Vacant	380	50	679		
25	MD	HAGERSTOWN	393945	775754	Vacant	375	38	558		
26	MD	HAGERSTOWN	393945	775754	WHAG	375	1000	559		
31	MD	HAGERSTOWN	393904	775815	Vacant	373	162	558		
39	MD	HAGERSTOWN	395331	775802	WJAL	394	232	694		
44	MD	HAGERSTOWN	393904	775815	WWPB	359	209	548	0	33311

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
36	MD	OAKLAND	392414	791737	WGPT	301	237	1068		
10	ME	AUGUSTA[2]	440916	700037	WCBB	305	39	389		
17	ME	AUGUSTA	440915	700037	Vacant	281	30	366		
2	ME	BANGOR	444410	684017	WLBZ	199	6.7	273		
5	ME	BANGOR	444213	690447	Vacant	402	4	521		
7	ME	BANGOR	444535	683401	WVII	250	41	346		
14	ME	BANGOR	444535	683401	Vacant	229	79	324		
19	ME	BANGOR	444213	690447	WABI	402	465	521		
25	ME	BANGOR	444410	684017	Vacant	199	250	273		
26	ME	BIDDEFORD	432500	704817	Vacant	231	52	348		
45	ME	BIDDEFORD	432500	704817	WMEA	231	50	349	90	41344
10	ME	CALAIS	450145	671925	WMED	133	3.5	200		
13	ME	CALAIS	450144	671924	Vacant	134	4	202		
28	ME	LEWISTON	435106	701940	Vacant	241	50	318		
35	ME	LEWISTON	435106	701940	WPME	278	286	345		
9	ME	ORONO	444211	690447	WMEB	375	15	490		
12	ME	ORONO	444545	683358	Vacant	290	16	384		
8	ME	POLAND SPRING	435044	704543	WMTW	608	43.8	766		
46	ME	POLAND SPRING	435044	704543	Vacant	586	1000	744		
6	ME	PORTLAND	435130	704241	Vacant	610	11	763		
13	ME	PORTLAND	435529	702929	Vacant	462	19	606		
38	ME	PORTLAND	435528	702928	WGME	491	1000	606		
43	ME	PORTLAND	435106	701940	WPXT	265	750	342		
44	ME	PORTLAND	435132	704240	WCSH	610	1000	763		
51	ME	PORTLAND	435106	701940	Vacant	280	78	359		
8	ME	PRESQUE ISLE	463305	674836	WAGM	333	8	509		
10	ME	PRESQUE ISLE[2]	463305	674837	WMEM	367	47	541		
16	ME	PRESQUE ISLE	463305	674836	Vacant	333	3	509		
20	ME	PRESQUE ISLE	463305	674837	Vacant	346	160	509		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
47	ME	PRESQUE ISLE	464512	681028	NEW	86	178	281		
23	ME	WATERVILLE	440915	700037	WPFO	331	586	416		
6	MI	ALPENA	450817	840944	Vacant	448	11	723		
11	MI	ALPENA[2]	444211	833126	WBKB	204	54	450		
24	MI	ALPENA	450818	840945	WCML	448	301	723		
31	MI	ANN ARBOR	422225	840410	WPXD	329	300	615		
33	MI	ANN ARBOR	422225	840410	Vacant	327	50	614		
15	MI	BAD AXE	433233	833937	WDCQ	309	200	495		
35	MI	BAD AXE	434126	825629	Vacant	155	85	390		
20	MI	BATTLE CREEK	423415	852807	WOTV	311	270	569		
41	MI	BATTLE CREEK	423415	852807	Vacant	329	192	587		
43	MI	BATTLE CREEK	424045	850357	Vacant	323	189	587		
44	MI	BATTLE CREEK	424045	850357	WZPX	305	212	569		
5	MI	BAY CITY	432814	835036	Vacant	305	8	488		
22	MI	BAY CITY	432814	835036	WNEM	275	1000	456	0	67337
46	MI	BAY CITY	432826	835044	WBSF	306	171	490		
9	MI	CADILLAC	440812	852033	WWTV	497	48.3	895		
17	MI	CADILLAC	444453	850408	WCMV	393	338	744	0	60511
27	MI	CADILLAC	440822	852028	Vacant	180	110	580		
33	MI	CADILLAC	440853	852045	Vacant	297	23	698		
40	MI	CADILLAC	440812	852033	Vacant	497	845.6	895		
47	MI	CADILLAC	444453	850408	WFQX	393	500	744	0	67847
5	MI	CALUMET	470212	884142	WBKP	295	17	597		
4	MI	CHEBOYGAN	453901	842037	Vacant	189	7	379		
35	MI	CHEBOYGAN	453901	842037	WTOM	168	78	357	0	58961
2	MI	DETROIT	422738	831250	Vacant	305	8	512		
4	MI	DETROIT	422858	831219	Vacant	306	8	520		
7	MI	DETROIT[2]	422738	831250	WJBK	305	31	512		
14	MI	DETROIT	422901	831844	WKBD	293	200	526		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
20	MI	DETROIT	422653	831023	Vacant	324	43	523		
21	MI	DETROIT	422653	831023	WMYD	324	500	523	0	28693
41	MI	DETROIT	422814	831500	WXYZ	305	1000	516		
43	MI	DETROIT	422652	831023	WTVS	318	200	517		
44	MI	DETROIT	422653	831023	WWJ	323	345	523		
45	MI	DETROIT	422858	831219	WDIV	281	973	495	0	19013
50	MI	DETROIT	422901	831844	Vacant	293	63	526		
23	MI	EAST LANSING	424207	842448	Vacant	296	31	564		
40	MI	EAST LANSING	424208	842451	WKAR	296	173	565		
3	MI	ESCANABA	460805	865655	Vacant	363	10	616		
48	MI	ESCANABA	460805	865655	WJMN	327	989	584		
12	MI	FLINT[2]	431348	840335	WJRT	287	35.1	479		
16	MI	FLINT[1]	431318	840314	WSMH	287	1000	481	0	28994
28	MI	FLINT	425356	832741	WFUM	258	412	550		
7	MI	GRAND RAPIDS	424114	853034	WOOD	288	30	530		
11	MI	GRAND RAPIDS	425735	855345	WGVU	238	50	441	0	64586
13	MI	GRAND RAPIDS	431834	855444	WZZM	324	38.5	552		
17	MI	GRAND RAPIDS	424115	853157	Vacant	334	53	574		
19	MI	GRAND RAPIDS	424115	853157	WXMI	306	725	546	0	43453
35	MI	GRAND RAPIDS	425735	855345	Vacant	261	35	462		
39	MI	GRAND RAPIDS	431835	855445	Vacant	305	1000	532		
8	MI	IRON MOUNTAIN	454910	880235	WDHS	190	9.3	534		
22	MI	IRON MOUNTAIN	454910	880235	Vacant	171	123	514		
10	MI	ISHPEMING	462110	875115	WBUP	105	13.6	552		
18	MI	JACKSON	422513	843125	Vacant	274	30	561		
34	MI	JACKSON	422513	843125	WHTV	299	130	587		
3	MI	KALAMAZOO	423756	853216	Vacant	305	8	553		
5	MI	KALAMAZOO	421823	853925	WGVK	174	10	437		
8	MI	KALAMAZOO	423756	853216	WWMT	305	48	553		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
45	MI	KALAMAZOO	423352	852731	WLLA	331	440	590		
6	MI	LANSING	424119	842235	Vacant	305	8	577		
36	MI	LANSING	424119	842235	WLNS	305	1000	577		
38	MI	LANSING	422803	843906	WSYM	281	1000	564		
47	MI	LANSING	422803	843906	Vacant	305	30	588		
51	MI	LANSING	422513	843125	WLAJ	300	900	589	0	59127
21	MI	MANISTEE	440357	861958	WCMW	104	177	304		
6	MI	MARQUETTE	462011	875055	Vacant	296	8	740		
13	MI	MARQUETTE	462109	875132	WNMU	332	42	778		
19	MI	MARQUETTE	463614	873715	WMQF	248	217	634		
28	MI	MARQUETTE	463300	872336	Vacant	214	67	514		
33	MI	MARQUETTE	463052	872907	Vacant	137	213	473		
35	MI	MARQUETTE	462011	875056	WLUC	262	83	705	0	67896
38	MI	MOUNT CLEMENS	423315	825315	Vacant	192	146	370		
39	MI	MOUNT CLEMENS	423315	825315	WADL	170	1000	351	0	32831
14	MI	MOUNT PLEASANT	433433	844629	Vacant	158	150	400		
26	MI	MOUNT PLEASANT	434511	851240	WCMU	299	622	618		
24	MI	MUSKEGON	425725	855407	WTLJ	281	280	487	0	40886
10	MI	ONONDAGA	422633	843421	WILX	299	32.4	586		
25	MI	SAGINAW	431301	834317	Vacant	395	66	604		
30	MI	SAGINAW	431301	834317	WEYI	356	193	565		
48	MI	SAGINAW	431318	840314	WAQP	287	1000	480	0	40887
49	MI	SAGINAW	431318	840314	Vacant	287	26	480		
8	MI	SAULT STE. MARIE[2]	460308	840638	WGTQ	288	30	483		
9	MI	SAULT STE. MARIE[1]	460308	840638	Vacant	291	25	486		
10	MI	SAULT STE. MARIE	460349	840608	WWUP	370	42.7	562		
49	MI	SAULT STE. MARIE	460336	840557	Vacant	370	950.4	562		
7	MI	TRAVERSE CITY	441633	854249	WPBN	411	50	756		
23	MI	TRAVERSE CITY	451040	850557	NEW	365	1000	593		

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29	MI	TRAVERSE CITY	444453	850408	WGTU	393	182	745		
31	MI	TRAVERSE CITY	444453	850408	Vacant	393	65	744		
50	MI	TRAVERSE CITY	444636	854102	Vacant	230	78	462		
18	MI	UNIVERSITY CENTER	433343	835854	WDCP	141	200	327		
19	MI	UNIVERSITY CENTER	433342	835852	Vacant	140	200	327		
45	MI	VANDERBILT	451012	844504	WFUP	324	1000	651		
7	MN	ALEXANDRIA	454103	950814	KCCO	341	43.3	750		
24	MN	ALEXANDRIA	454110	950803	Vacant	305	675	715		
36	MN	ALEXANDRIA	454159	951035	Vacant	340	1000	752		
42	MN	ALEXANDRIA	454159	951035	KSAX	358	957	768		
9	MN	BEMIDJI	474203	942915	KAWE	335	38.4	749		
18	MN	BEMIDJI	474203	942914	Vacant	303	80	722		
26	MN	BEMIDJI	472807	944923	KFTC	141	241	560		
22	MN	BRAINERD	462521	942741	Vacant	227	55	616		
28	MN	BRAINERD	462521	942742	KAWB	227	46.8	616		
11	MN	CHISHOLM	475139	925646	KRII	200	33.8	600		
16	MN	CROOKSTON	475838	963618	KCGE	220	105	495	0	38385
3	MN	DULUTH	464707	920715	Vacant	302	10	608		
8	MN	DULUTH	464730	920721	WDSE	295	44	609		
10	MN	DULUTH	464715	920721	WDIO	299	41	608		
17	MN	DULUTH	464737	920703	KQDS	299	1000	609		
21	MN	DULUTH	464737	920703	Vacant	284	27	595		
27	MN	DULUTH	464715	920721	NEW	268	201	579		
33	MN	DULUTH	464721	920651	KDLH	312	1000	619		
38	MN	DULUTH	464730	920721	Vacant	278	650	592		
43	MN	DULUTH	464715	920721	Vacant	274	54	586		
13	MN	HIBBING	472253	925715	WIRT	211	11.4	645		
31	MN	HIBBING	472253	925715	WRPT	212	500	645	0	59939
36	MN	HIBBING	472253	925715	Vacant	211	524	645		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
4	MN	MINNEAPOLIS	450345	930821	Vacant	452	11	730		
9	MN	MINNEAPOLIS	450330	930727	KMSP	435	43.9	713		
11	MN	MINNEAPOLIS	450344	930821	KARE	435	57.3	711		
21	MN	MINNEAPOLIS	450330	930727	Vacant	352	1000	629		
22	MN	MINNEAPOLIS	450344	930821	WUCW	410	1000	685	0	30005
23	MN	MINNEAPOLIS	450344	930821	Vacant	410	131	686		
29	MN	MINNEAPOLIS	450330	930727	WFTC	352	1000	629		
32	MN	MINNEAPOLIS	450344	930821	WCCO	432	1000	711		
35	MN	MINNEAPOLIS	450344	930821	Vacant	435	1000	711		
44	MN	MINNEAPOLIS	450345	930821	Vacant	430	205	706		
45	MN	MINNEAPOLIS	450345	930821	KSTC	430	1000	706		
40	MN	ST. CLOUD	452300	934230	KPXM	430	1000	721	0	64438
41	MN	ST. CLOUD	452300	934230	Vacant	448	94	738		
2	MN	ST. PAUL	450330	930727	Vacant	393	10	673		
5	MN	ST. PAUL	450345	930821	Vacant	451	11	729		
16	MN	ST. PAUL	450330	930727	Vacant	393	100	673		
17	MN	ST. PAUL	450330	930727	Vacant	393	8	673		
26	MN	ST. PAUL	450330	930727	KTCI	415	1000	693		
34	MN	ST. PAUL	450330	930727	KTCA	411	1000	690		
35	MN	ST. PAUL	450344	930821	KSTP	433	1000	711		
50	MN	ST. PAUL	450344	930821	Vacant	433	1000	711		
10	MN	THIEF RIVER FALLS	480119	962212	KBRR	113	28	428		
32	MN	THIEF RIVER FALLS	480119	962212	Vacant	183	1000	495		
12	MN	WALKER	465603	942725	KCCW	283	38.7	707		
20	MN	WALKER	465605	942719	Vacant	260	720	682		
2	MT	BILLINGS	454600	1082727	Vacant	165	7	1222		
6	MT	BILLINGS	454826	1082025	Vacant	249	8	1287		
10	MT	BILLINGS	454600	1082727	KTVQ	180	160	1230		
14	MT	BILLINGS	454554	1082723	Vacant	190	254	1240		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
16	MT	BILLINGS	454609	1082727	NEW	167	500	1216		
18	MT	BILLINGS	454826	1082025	KSVI	249	1000	1287		
4	MT	BUTTE	460027	1122630	Vacant	576	12	2563		
5	MT	BUTTE	460027	1122630	KXLF	588	15	2563		
6	MT	BUTTE	460027	1122630	KTVM	591	25.6	2566		
18	MT	BUTTE	460024	1122630	Vacant	585	64	2573		
19	MT	BUTTE	460024	1122630	KWYB	585	125	2573	0	42948
24	MT	BUTTE	460024	1122630	KBTZ	570	127	2545		
33	MT	BUTTE	460027	1122630	Vacant	576	1000	2552		
5	MT	GLENDIVE	470315	1044045	Vacant	152	1	850		
10	MT	GLENDIVE	470315	1044045	KXGN	152	30	850		
3	MT	GREAT FALLS	473209	1111702	Vacant	180	7	1235		
5	MT	GREAT FALLS	473208	1111702	Vacant	180	7	1224		
7	MT	GREAT FALLS	473209	1111702	KRTV	150	30	1210	0	73758
8	MT	GREAT FALLS	473208	1111702	KFBB	180	35	1224		
16	MT	GREAT FALLS	473624	1112131	Vacant	308	69	1399		
21	MT	GREAT FALLS	473208	1111702	Vacant	170	1000	1214		
26	MT	GREAT FALLS	473223	1111706	KLMN	65	303	1128		
45	MT	GREAT FALLS	473626	1112127	KTGF	300	175	1388		
9	MT	HAVRE	482032	1094341	KBBJ	389	5	1479		
10	MT	HELENA	464935	1114233	Vacant	711	20	2421		
12	MT	HELENA	464935	1114233	KTVH	697	20.5	2404		
14	MT	HELENA	464935	1114233	Vacant	697	140	2404		
15	MT	HELENA	463533	1120224	Vacant	77	800	1438		
29	MT	HELENA	464935	1114233	KMTF	697	43.4	2404	23	68037
9	MT	KALISPELL	480048	1142155	KCFW	850	7.6	2103		
38	MT	KALISPELL	480048	1142155	Vacant	838	55	2093		
46	MT	KALISPELL	480048	1142155	Vacant	830	186	2083		
13	MT	LEWISTOWN	471046	1093205	KBAO	636	8.1	1837		

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
3	MT	MILES CITY	462534	1055138	KYUS	30	5	801		
7	MT	MISSOULA	470106	1140041	KPAX	642	30	2151		
8	MT	MISSOULA	470106	1140041	Vacant	655	25	2153		
11	MT	MISSOULA	464809	1135821	KUFM	631	8.1	1909		
13	MT	MISSOULA	470104	1140047	KECI	610	55	2152		
17	MT	MISSOULA	464808	1135819	KMMF	628	128	1907		
23	MT	MISSOULA	470110	1140046	KTMF	618	243	2125		
27	MT	MISSOULA	464809	1135821	Vacant	630	50	1905		
36	MT	MISSOULA	470110	1140046	Vacant	618	5.1	2125		
40	MT	MISSOULA	470104	1140047	Vacant	626	5.7	2131		
3	ND	BISMARCK	463517	1004807	Vacant	425	8	1002		
5	ND	BISMARCK	463619	1004830	Vacant	427	11	1006		
12	ND	BISMARCK	463517	1004826	KXMB	466	44.7	1035		
16	ND	BISMARCK	463515	1004820	KBMY	275	1000	852	0	68012
17	ND	BISMARCK	463511	1004820	Vacant	290	25	867		
22	ND	BISMARCK	463523	1004802	KBME	392	100	972	0	18952
23	ND	BISMARCK	463523	1004802	Vacant	392	90	972		
26	ND	BISMARCK	463523	1004739	KNDX	300	178	879		
31	ND	BISMARCK	463619	1004830	KFYR	427	1000	1006		
8	ND	DEVILS LAKE	480824	975938	WDAZ	451	39.2	888		
25	ND	DEVILS LAKE	480347	992008	KMDE	245	134	716	0	66852
2	ND	DICKINSON	464330	1025458	Vacant	256	7	1069		
7	ND	DICKINSON	465649	1025917	KQCD	223	31.1	1001		
9	ND	DICKINSON	464334	1025456	KDSE	246	23.3	1057		
18	ND	DICKINSON	465653	1025925	Vacant	174	125	962		
19	ND	DICKINSON	464335	1025457	KXMA	217	50	1033	0	59817
20	ND	DICKINSON	464335	1025457	Vacant	208	55	1033		
19	ND	ELLENDALE	461756	985156	Vacant	179	110	739		
20	ND	ELLENDALE	461756	985156	KJRE	163	72.3	740		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
6	ND	FARGO	470043	971158	Vacant	351	9	643		
11	ND	FARGO	472036	971717	Vacant	610	23	913		
13	ND	FARGO	470048	971137	KFME	344	29.8	639		
15	ND	FARGO	464029	961340	Vacant	379	179	767		
19	ND	FARGO	464029	961340	KVRR	379	1000	767	0	28940
21	ND	FARGO	470028	971202	WDAY	356	1000	648		
23	ND	FARGO	470045	971141	Vacant	322	100	614		
44	ND	FARGO	472032	971720	KVLY	576	763	875		
2	ND	GRAND FORKS	480824	975938	Vacant	408	10	845		
15	ND	GRAND FORKS	480818	975935	KGFE	408	157	844		
27	ND	GRAND FORKS	475745	970312	KCPM	96	239	347		
7	ND	JAMESTOWN	465530	984621	KJRR	135	37.2	594		
18	ND	JAMESTOWN	465527	984619	Vacant	135	1000	592		
6	ND	MINOT	480303	1012325	Vacant	323	10	946		
10	ND	MINOT	481256	1011905	KMOT	207	21.7	733		
13	ND	MINOT	480302	1012029	KXMC	344	42.2	948		
14	ND	MINOT	480311	1012305	KMCY	216	300	834		
15	ND	MINOT	480311	1012305	Vacant	216	500	834		
24	ND	MINOT	480314	1012603	KXND	239	223	866		
40	ND	MINOT	480302	1012325	KSRE	249	146	874	0	59853
45	ND	MINOT	480302	1012325	Vacant	249	50	874		
12	ND	PEMBINA	485944	972428	KNRR	413	67	656		
15	ND	PEMBINA	485944	972428	Vacant	413	750	656		
4	ND	VALLEY CITY	471645	972026	Vacant	591	11	925		
38	ND	VALLEY CITY	471645	972018	KXJB	619	1000	940		
4	ND	WILLISTON	480830	1035334	Vacant	278	6	939		
8	ND	WILLISTON	480802	1035136	KUMV	323	20	970		
11	ND	WILLISTON	480845	1035320	Vacant	291	4	954		
14	ND	WILLISTON	480830	1035334	KXMD	257	50	918	0	59878

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
51	ND	WILLISTON	480830	1035334	KWSE	248	53.9	918	0	64823
21	NH	CONCORD	431104	711912	Vacant	344	77	508		
33	NH	CONCORD	431104	711912	WPXG	344	100	508	0	42932
35	NH	DERRY	424407	712331	WZMY	205	7.3	271		
50	NH	DERRY	424407	712336	Vacant	213	143	291		
11	NH	DURHAM	431033	711229	WENH	302	41.6	463		
49	NH	KEENE	430200	722204	WEKW	330	50	607		
48	NH	LITTLETON	442114	714423	WLED	390	50	744		
49	NH	LITTLETON	442110	714415	Vacant	390	8	743		
9	NH	MANCHESTER	425902	713524	WMUR	305	19.8	444		
34	NH	MERRIMACK	425902	713520	WNEU	293	80	431	0	28154
7	NY	ALBANY	423731	740038	WXXA	434	10	692		
10	NY	ALBANY	423815	735954	Vacant	305	16	539		
12	NY	ALBANY	423731	740038	WNYT	436	10	694		
13	NY	ALBANY	424709	733743	Vacant	357	10	517		
23	NY	ALBANY	423700	740045	Vacant	363	160	629		
26	NY	ALBANY	423731	740038	WTEN	426	700	682	0	67986
50	NY	AMSTERDAM	425904	741056	WYPX	207	450	432	0	38556
23	NY	BATAVIA	425342	780056	WPXJ	279	1000	589		
51	NY	BATAVIA	425342	780056	Vacant	277	138	586	0	99999
14	NY	BATH	421828	771317	NEW	318	164	766		
7	NY	BINGHAMTON	420331	755706	WBNG	342	20.4	739		
8	NY	BINGHAMTON	420322	755639	WICZ	375	10	771		
12	NY	BINGHAMTON	420333	755706	Vacant	369	9	765		
34	NY	BINGHAMTON[2]	420339	755636	WIVT	263	1000	657		
40	NY	BINGHAMTON	420322	755639	Vacant	375	9	771		
42	NY	BINGHAMTON	420340	755645	WSKG	408	50	803		
46	NY	BINGHAMTON	420340	755645	Vacant	408	10	803		
2	NY	BUFFALO	424307	783347	Vacant	311	10	694		

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
4	NY	BUFFALO	423933	783733	Vacant	396	8	792		
14	NY	BUFFALO	430132	785543	WUTV	300	1000	480	0	76608
23	NY	BUFFALO	430148	785515	Vacant	314	22	493		
32	NY	BUFFALO	430148	785515	WNLO	314	1000	493		
33	NY	BUFFALO	424307	783347	WGRZ	295	480	678		
34	NY	BUFFALO	430132	785543	WNYO	288	175	467	0	78226
38	NY	BUFFALO	423814	783712	WKBW	433	358	844		
39	NY	BUFFALO	423933	783733	WIVB	417	790	813		
43	NY	BUFFALO	430148	785515	WNED	330	156	507		
49	NY	BUFFALO	424658	782728	Vacant	376	198	738		
7	NY	CARTHAGE[2]	435715	754345	WWNY	219	42	506		
35	NY	CARTHAGE	435715	754345	Vacant	203	1000	484	0	73184
30	NY	CORNING	420829	770439	WSKA	334	162	748		
48	NY	CORNING	420943	770215	WYDC	166	240	597		
50	NY	CORNING	420943	770215	Vacant	160	600	593		
18	NY	ELMIRA	420622	765217	WETM	363	252	756		
33	NY	ELMIRA[2]	420622	765217	Vacant	363	525	756		
36	NY	ELMIRA	420620	765217	WENY	320	166	718		
41	NY	GENESEO	423808	774850	Vacant	200	200	538		
20	NY	ITHACA	422546	762948	WNYI	-96	200	250		
26	NY	JAMESTOWN	422336	791344	WNYB	463	350	858		
27	NY	JAMESTOWN	422336	791344	Vacant	448	213	843		
46	NY	JAMESTOWN	420506	791723	Vacant	206	76	654		
48	NY	KINGSTON	412918	735656	WRNN	378	950	520	0	65356
34	NY	LAKE PLACID	441536	740122	Vacant	183	105	870		
5	NY	NORTH POLE	443426	734029	Vacant	607	3	916		
14	NY	NORTH POLE	443132	724858	WPTZ	845	650	1270	0	72521
18	NY	NORWOOD	442929	745126	Vacant	243	44	599		
23	NY	NORWOOD	442929	745127	WNPI	243	50	599		

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
38	NY	PLATTSBURGH	444143	735300	WCFE	737	100	1238	0	66309
27	NY	POUGHKEEPSIE	412920	735653	WTBY	358	800	483	0	43683
10	NY	ROCHESTER	430807	773502	WHEC	153	18.1	301		
13	NY	ROCHESTER	430807	773503	WHAM	152	18.1	300		
16	NY	ROCHESTER	430807	773503	WXXI	130	180	277	0	68025
21	NY	ROCHESTER	430807	773503	Vacant	152	166	299		
28	NY	ROCHESTER	430805	773507	WUHF	161	320	305	0	66841
29	NY	ROCHESTER	430805	773507	Vacant	161	75	305		
31	NY	ROCHESTER	430807	773503	Vacant	152	166	298		
41	NY	ROCHESTER	431000	774000	Vacant	150	170	310		
45	NY	ROCHESTER	430807	773502	WROC	152	1000	301		
40	NY	SARANAC LAKE	440935	742834	WCWF	440	155	970	0	66762
6	NY	SCHENECTADY	423731	740038	WRGB	426	11	681		
17	NY	SCHENECTADY	423813	740006	Vacant	299	108	534		
34	NY	SCHENECTADY	423731	740038	WMHT	426	325	681		
39	NY	SCHENECTADY	423731	740038	Vacant	426	600	681		
43	NY	SCHENECTADY	423731	740038	WCWN	413	676	668	0	67289
45	NY	SCHENECTADY	423731	740038	Vacant	413	102	669		
7	NY	SPRINGVILLE[2]	423814	783711	WNGS	411	15.5	822		
46	NY	SPRINGVILLE	423814	783711	NEW	160	50	573		
3	NY	SYRACUSE	425642	760707	Vacant	396	4	693		
5	NY	SYRACUSE	425719	760634	Vacant	276	10	561		
9	NY	SYRACUSE	425642	760128	Vacant	462	4	767		
14	NY	SYRACUSE	431818	760300	Vacant	361	125	508		
15	NY	SYRACUSE[1]	431818	760300	WSPX	379	240	525	0	74790
17	NY	SYRACUSE	425642	760128	WSYR	402	105	707	0	44725
19	NY	SYRACUSE	425250	761200	WSYT	445	621	799	0	29285
24	NY	SYRACUSE	425642	760707	WSTM	405	210	702		
25	NY	SYRACUSE	425644	760707	WCNY	393	97	689		

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
43	NY	SYRACUSE	425250	761159	Vacant	445	17	799		
44	NY	SYRACUSE	425250	761200	WNYS	445	680	799	0	68111
47	NY	SYRACUSE	425718	760634	WTVH	290	500	575		
2	NY	UTICA	430609	745627	Vacant	421	3	715		
20	NY	UTICA	430843	751035	Vacant	244	44	494		
27	NY	UTICA	430213	752641	WFXV	433	688	716	0	59327
29	NY	UTICA	430609	745627	WKTV	402	1000	692		
30	NY	UTICA	430843	751035	WUTR	244	50	494		
33	NY	UTICA	430214	752640	Vacant	193	90	467		
16	NY	WATERTOWN	435146	754339	Vacant	370	15	757		
21	NY	WATERTOWN	435247	754312	WWTI	331	25	700	340	44780
41	NY	WATERTOWN	435144	754340	WPBS	370	50	757		
50	NY	WATERTOWN	435247	754312	Vacant	387	22	753		
23	OH	AKRON	410353	813459	WVPX	296	805	613		
30	OH	AKRON	412302	814144	WBNX	334	1000	593	0	71743
49	OH	AKRON	410458	813800	Vacant	290	25	613		
50	OH	AKRON	410458	813802	WEAO	305	180	617		
45	OH	ALLIANCE	405423	805439	WNEO	223	977	583		
46	OH	ALLIANCE	405423	805439	Vacant	223	400	583		
20	OH	ATHENS	391852	820859	Vacant	242	45	494		
27	OH	ATHENS	391852	820859	WOUB	242	250	494		
27	OH	BOWLING GREEN	410812	835424	WBGU	320	295	545		
35	OH	CAMBRIDGE	400532	811719	WOUC	385	310	699	0	68039
44	OH	CAMBRIDGE	400532	811719	Vacant	385	16	699		
39	OH	CANTON	410320	813538	WDLI	292	200	612		
47	OH	CANTON	410633	812010	WOAC	134	1000	472	0	40562
46	OH	CHILLICOTHE	393520	830644	WWHO	328	1000	556	0	33138
5	OH	CINCINNATI	390727	843118	Vacant	295	8	504		
9	OH	CINCINNATI	390730	842956	Vacant	305	16	514		

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
10	OH	CINCINNATI	390731	842957	WCPO	305	20	515		
12	OH	CINCINNATI	390658	843005	WKRC	305	40.8	523		
31	OH	CINCINNATI	390659	843007	Vacant	278	800	497		
33	OH	CINCINNATI	391201	843122	WSTR	337	675	557		
34	OH	CINCINNATI	390727	843118	WCET	326	500	537		
35	OH	CINCINNATI	390727	843118	WLWT	311	1000	519		
48	OH	CINCINNATI	390730	843118	Vacant	326	61	537		
3	OH	CLEVELAND	412310	814121	Vacant	312	9	584		
5	OH	CLEVELAND	412226	814304	Vacant	313	9	581		
8	OH	CLEVELAND	412147	814258	WJW	305	43.2	582		
15	OH	CLEVELAND	412227	814306	WEWS	311	1000	582		
17	OH	CLEVELAND	412310	814121	WKYC	296	1000	568	0	87268
25	OH	CLEVELAND	412028	814425	Vacant	303	67	584		
26	OH	CLEVELAND	412028	814425	WVIZ	313	100	594	0	42131
31	OH	CLEVELAND	412147	814258	Vacant	317	625	590		
34	OH	CLEVELAND	412258	814207	WQHS	334	525	588	0	40362
4	OH	COLUMBUS	395816	830140	Vacant	274	7	520		
6	OH	COLUMBUS	395616	830116	Vacant	286	7	523		
10	OH	COLUMBUS	395816	830140	Vacant	271	15	515		
13	OH	COLUMBUS	395614	830116	WSYX	286	59	523	0	39803
14	OH	COLUMBUS	395816	830140	WCMH	264	902	506		
21	OH	COLUMBUS	395816	830140	WBNS	279	1000	524		
28	OH	COLUMBUS	395614	830116	Vacant	267	35	504		
34	OH	COLUMBUS	400933	825523	Vacant	329	28	615		
36	OH	COLUMBUS	395614	830116	WTTE	271	1000	508		
38	OH	COLUMBUS	400933	825523	WOSU	291	250	577		
2	OH	DAYTON	394307	841522	Vacant	304	8	567		
7	OH	DAYTON	394402	841453	Vacant	348	9	613		
16	OH	DAYTON	394316	841500	WPTD	320	333	586		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
22	OH	DAYTON	394315	841539	Vacant	351	79	613		
30	OH	DAYTON	394328	841518	WRGT	351	425	616	0	29247
41	OH	DAYTON	394402	841453	WHIO	290	1000	555	0	67218
45	OH	DAYTON	394328	841518	Vacant	351	181	616		
50	OH	DAYTON	394307	841522	WDTN	323	1000	589		
51	OH	DAYTON	394328	841518	WKEF	351	138	616		
8	OH	LIMA	404454	840755	WLIO	165	30	424		
35	OH	LIMA	404451	840755	Vacant	165	135	424		
44	OH	LIMA	404547	841059	WTLW	207	290	460		
47	OH	LIMA	404547	841059	Vacant	207	100	460		
28	OH	LORAIN	412245	814312	WUAB	337	200	599	0	38130
43	OH	LORAIN	412245	814312	Vacant	337	170	599		
12	OH	MANSFIELD[2]	404550	823704	WMFD	180	15	558		
24	OH	NEWARK	400445	824141	WSFJ	133	1000	462		
51	OH	NEWARK	400444	824142	Vacant	134	224	462		
14	OH	OXFORD	393026	844409	Vacant	91	550	367		
28	OH	OXFORD	390719	843252	WPTO	268	400	490	0	43343
17	OH	PORTSMOUTH	384542	830341	WQCW	358	50	595		
30	OH	PORTSMOUTH	384542	830341	Vacant	358	62	595		
42	OH	PORTSMOUTH	384542	830341	Vacant	382	10	615		
43	OH	PORTSMOUTH	384542	830341	WPBO	382	50	615		
42	OH	SANDUSKY	412348	824731	WGGN	213	1000	405	0	41148
10	OH	SHAKER HEIGHTS	412315	814143	WOIO	304	3.5	567	0	19316
19	OH	SHAKER HEIGHTS	412315	814143	Vacant	351	151	614		
18	OH	SPRINGFIELD	394328	841518	Vacant	291	35	555		
26	OH	SPRINGFIELD	394328	841518	WBDT	291	184	555		
9	OH	STEUBENVILLE	402033	803714	WTOV	261	26	578		
5	OH	TOLEDO	414441	840106	WLMB	174	10	399		
11	OH	TOLEDO	414022	832247	WTOL	263	36.8	441		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
13	OH	TOLEDO	414100	832449	WTVG	305	38.6	485		
17	OH	TOLEDO	414022	832247	Vacant	264	1000	442	220	38178
19	OH	TOLEDO[1]	414100	832449	Vacant	222	795	401		
24	OH	TOLEDO	414003	832122	Vacant	424	160	604	0	20633
29	OH	TOLEDO	413927	832555	WGTE	314	50	495		
30	OH	TOLEDO	413926	832555	Vacant	314	23	494		
36	OH	TOLEDO	413921	832640	Vacant	372	55	554		
40	OH	TOLEDO	414441	840106	Vacant	174	120	399		
46	OH	TOLEDO	413922	832641	WUPW	356	110	538	0	40304
49	OH	TOLEDO	414003	832122	WNWO	409	59	587	0	42576
32	OH	XENIA	394352	833228	Vacant	294	204	613		
20	OH	YOUNGSTOWN	410448	803825	WFMJ	295	460	616	0	43442
21	OH	YOUNGSTOWN	410448	803825	Vacant	295	99	616		
27	OH	YOUNGSTOWN	410324	803844	Vacant	439	22	764		
33	OH	YOUNGSTOWN	410343	803807	Vacant	177	115	502		
36	OH	YOUNGSTOWN	410343	803807	WYTV	148	50	473		
41	OH	YOUNGSTOWN	410324	803844	WKBN	418	700	743		
18	OH	ZANESVILLE	395542	815907	Vacant	161	145	422		
40	OH	ZANESVILLE	395542	815907	WHIZ	169	620	422		
2	OR	PORTLAND	453114	1224437	Vacant	475	11	552		
6	OR	PORTLAND	453058	1224358	Vacant	491	11	568		
8	OR	PORTLAND	453121	1224446	KGW	509	51	600		
10	OR	PORTLAND	453121	1224445	KOPB	509	73.6	599		
12	OR	PORTLAND	453119	1224453	KPTV	543	47.8	614		
24	OR	PORTLAND	453058	1224359	Vacant	522	1000	613		
27	OR	PORTLAND	453121	1224445	Vacant	509	753	599		
30	OR	PORTLAND	453119	1224453	Vacant	528	741	599		
40	OR	PORTLAND	453058	1224358	KOIN	523	1000	613		
42	OR	PORTLAND	453058	1224359	Vacant	427	1000	516		

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
43	OR	PORTLAND	453057	1224359	KATU	524	1000	614		
45	OR	PORTLAND	453058	1224359	KNMT	522	1000	613		
46	OR	PORTLAND	453121	1224445	Vacant	509	1000	600		
22	OR	SALEM	453121	1224445	KPXG	490	1000	579		
32	OR	SALEM	450035	1222017	Vacant	544	239	1410		
33	OR	SALEM	453058	1224358	KWBP	523	750	613		
39	PA	ALLENTOWN	403358	752606	WLVT	302	182	454		
46	PA	ALLENTOWN	403352	752624	WFMZ	331	500	482		
10	PA	ALTOONA	403401	782630	Vacant	335	13	850		
23	PA	ALTOONA	403406	782638	Vacant	324	14	850		
24	PA	ALTOONA	403406	782638	WATM	311	1000	835	0	29784
32	PA	ALTOONA	403401	782630	WTAJ	323	1000	847		
46	PA	ALTOONA	403412	782626	WKBS	309	50	881		
47	PA	ALTOONA	403412	782626	Vacant	308	38	828		
9	PA	BETHLEHEM	403352	752624	WBPH	284	3.2	430	0	59326
3	PA	CLEARFIELD	410720	782630	Vacant	395	4	931		
15	PA	CLEARFIELD	410720	782630	WPSU	413	810	951	0	59340
12	PA	ERIE[2]	420352	800019	WICU	324	14	669		
16	PA	ERIE	420215	800343	WSEE	279	200	614	0	30039
22	PA	ERIE	420225	800409	WFXP	286	850	616	0	78512
24	PA	ERIE	420225	800409	WJET	310	1000	640	0	70354
35	PA	ERIE[1]	420216	800344	Vacant	291	23	628		
50	PA	ERIE	420234	800356	WQLN	271	200	612	0	67971
40	PA	GREENSBURG	402334	794654	Vacant	299	188	615		
50	PA	GREENSBURG	402334	794654	WPCB	264	362	580	0	44438
10	PA	HARRISBURG	401857	765702	WHTM	346	20	505		
21	PA	HARRISBURG	402043	765209	WHP	372	1000	543		
27	PA	HARRISBURG	401857	765702	Vacant	346	66	505		
33	PA	HARRISBURG	402044	765207	Vacant	427	30	612		

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
36	PA	HARRISBURG	402045	765206	WITF	427	50	612		
45	PA	HAZLETON	411100	755210	WOLF	488	546	873		
11	PA	JEANNETTE	402334	794654	WPCW	303	20	618		
19	PA	JEANNETTE	401052	790746	Vacant	340	128	936		
49	PA	JEANNETTE	401051	790946	Vacant	325	440	936		
6	PA	JOHNSTOWN	402217	785858	Vacant	341	7	868		
8	PA	JOHNSTOWN	401053	790905	WWCP	352	17	953		
29	PA	JOHNSTOWN	401053	790905	Vacant	352	1000	953		
34	PA	JOHNSTOWN	402217	785856	WJAC	386	1000	910		
23	PA	LANCASTER	401545	762751	WLYH	381	500	547	0	41227
2	PA	PITTSBURGH	402938	800109	Vacant	295	8	600		
4	PA	PITTSBURGH	401649	794811	Vacant	293	8	611		
11	PA	PITTSBURGH	402748	800016	Vacant	305	16	615		
13	PA	PITTSBURGH	402646	795751	WQED	210	34.8	525		
16	PA	PITTSBURGH	402646	795751	Vacant	213	70	521		
22	PA	PITTSBURGH	402623	794311	Vacant	280	154	615		
25	PA	PITTSBURGH	402938	800109	KDKA	311	1000	616		
26	PA	PITTSBURGH	402646	795751	Vacant	213	70	521		
38	PA	PITTSBURGH	402646	795751	WQEX	215	1000	528		
42	PA	PITTSBURGH	402943	800017	WPMY	315	1000	618	0	43259
43	PA	PITTSBURGH	402943	800018	WPGH	303	1000	605	0	45946
48	PA	PITTSBURGH	402748	800016	WPXI	289	1000	598		
51	PA	PITTSBURGH	401649	794811	WTAE	273	1000	587	0	40377
13	PA	SCRANTON	411058	755226	WYOU	471	30	855		
16	PA	SCRANTON	411058	755221	Vacant	506	38	889		
22	PA	SCRANTON	411058	755226	Vacant	505	123	888		
31	PA	SCRANTON	412609	754346	Vacant	352	100	707		
32	PA	SCRANTON	412606	754335	WQPX	354	528	712	0	59210
38	PA	SCRANTON	412609	754345	WSWB	385	174	735		

Table B: United States Plan of Allotments and Primary Assignments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
41	PA	SCRANTON	411055	755217	WVIA	487	200	872		
44	PA	SCRANTON	411055	755217	Vacant	509	26	890		
49	PA	SCRANTON	411100	755210	WNEP	506	100	895		
38	PA	SEWICKLEY	402820	795940	Vacant	194	90	503		
11	PA	WILKES-BARRE	411058	755226	WBRE	471	30	855		
28	PA	WILKES-BARRE	411101	755202	Vacant	509	122	890		
29	PA	WILLIAMSPORT	411157	770738	WILF	223	200	528		
10	RI	PROVIDENCE	415154	711715	Vacant	305	16	335		
12	RI	PROVIDENCE	415214	711745	WNAC	295	34	323		
13	RI	PROVIDENCE	415236	711657	WPRI	305	18	334		
21	RI	PROVIDENCE	415154	711715	WSBE	268	50	296	0	65226
36	RI	PROVIDENCE	414818	712824	Vacant	182	106	244		
51	RI	PROVIDENCE	415154	711715	WJAR	305	1000	335		
3	VT	BURLINGTON[2]	443136	724857	Vacant	822	4	1251		
13	VT	BURLINGTON	443133	724858	WVNY	852	10	1275	0	60531
22	VT	BURLINGTON[1]	443133	724856	WCAX	846	550	1270		
32	VT	BURLINGTON	443132	724851	WETK	844	200	1266		
33	VT	BURLINGTON	443132	724854	Vacant	815	47	1239		
43	VT	BURLINGTON	443132	724854	WFFF	840	50	1264		
44	VT	BURLINGTON	443132	724854	Vacant	840	49	1264		
25	VT	HARTFORD	432615	722708	WNNE	651	117	953	0	43680
31	VT	HARTFORD	432638	722717	Vacant	684	64	994		
9	VT	RUTLAND	433931	730625	WVER	385	15	641	0	67939
28	VT	RUTLAND	433932	730625	Vacant	429	5	688		
18	VT	ST. JOHNSBURY	443416	715339	WVTB	592	200	1023		
20	VT	ST. JOHNSBURY	443416	715339	Vacant	592	16	1023		
40	VT	VERGENNES	440903	730556	Vacant	267	194	523		
24	VT	WINDSOR	432614	722707	WVTA	693	200	994		
41	VT	WINDSOR	432615	722708	Vacant	692	25	993		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
32	WA	BELLEVUE	473017	1215803	Vacant	716	175	948		
33	WA	BELLEVUE[1]	473017	1215806	KWPX	717	610	950		
50	WA	BELLEVUE	473017	1215804	KWOG	719	240	952	0	17552
51	WA	BELLEVUE	473017	1215804	Vacant	719	160	952		
12	WA	BELLINGHAM	484040	1224948	Vacant	722	20	771		
19	WA	BELLINGHAM	484046	1225031	KBCB	757	165	792	0	43180
24	WA	BELLINGHAM[1]	484046	1225031	Vacant	757	141	792		
34	WA	BELLINGHAM	484047	1225010	Vacant	749	18	782		
35	WA	BELLINGHAM	484040	1224948	KVOS	799	612	834		
15	WA	CENTRALIA	463316	1230326	Vacant	347	16	512		
19	WA	CENTRALIA	463316	1230326	KCKA	334	43.7	489		
16	WA	EVERETT	473755	1222059	Vacant	239	207	279		
31	WA	EVERETT	473755	1222059	KONG	218	700	258	0	44001
42	WA	KENNEWICK	460611	1190754	Vacant	390	11	703		
44	WA	KENNEWICK	460611	1190754	KVEW	390	160	703		
51	WA	MEDICAL LAKE	473535	1171746	Vacant	468	540	1173		
18	WA	PASCO	460551	1191130	KEPR	366	50	723		
19	WA	PASCO	460551	1191129	Vacant	366	12	723		
10	WA	PULLMAN	465143	1171026	KWSU	408	17.3	1178		
17	WA	PULLMAN	465143	1171026	Vacant	355	10	1130		
24	WA	PULLMAN	473444	1171746	KQUP	569	1000	1290		
25	WA	RICHLAND	460611	1190747	Vacant	411	17	713		
26	WA	RICHLAND	460612	1190749	KNDU	411	200	714		
31	WA	RICHLAND	460612	1190740	Vacant	370	1	682		
38	WA	RICHLAND	460612	1190740	KTNW	361	47.6	675	0	60199
4	WA	SEATTLE	473755	1222109	Vacant	247	7	294		
5	WA	SEATTLE	473755	1222059	Vacant	250	7	297		
7	WA	SEATTLE	473801	1222120	Vacant	250	15	297		
9	WA	SEATTLE	473658	1221828	KCTS	252	21.7	291		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
22	WA	SEATTLE	473657	1221826	Vacant	271	231	309		
25	WA	SEATTLE	473657	1221826	KMYQ	290	1000	326		
38	WA	SEATTLE	473755	1222109	KOMO	247	1000	292		
39	WA	SEATTLE	473801	1222120	KIRO	230	1000	271	0	65845
41	WA	SEATTLE	473658	1221828	Vacant	263	427	299		
44	WA	SEATTLE	473017	1215806	KHCV	714	240	945	0	38740
45	WA	SEATTLE	473017	1215806	Vacant	714	69	946		
48	WA	SEATTLE	473755	1222059	KING	239	960	279	0	18954
2	WA	SPOKANE	473542	1171753	Vacant	671	9	1373		
4	WA	SPOKANE	475518	1170648	Vacant	936	5	1840		
6	WA	SPOKANE	473452	1171747	Vacant	653	10	1373		
7	WA	SPOKANE	473452	1171747	KHQ	653	50	1373		
8	WA	SPOKANE	473434	1171758	KSPS	558	21.6	1274		
13	WA	SPOKANE	475518	1170648	KXLY	936	23.3	1840		
15	WA	SPOKANE	473453	1171747	Vacant	521	430	1293		
20	WA	SPOKANE	473541	1171753	KREM	641	893	1342	0	64696
22	WA	SPOKANE	473541	1171753	Vacant	597	68	1298		
28	WA	SPOKANE	473444	1171746	KAYU	601	253	1332		
30	WA	SPOKANE	473444	1171746	Vacant	564	335	1285		
34	WA	SPOKANE	473604	1171753	KGPX	450	285	1146		
36	WA	SPOKANE	473541	1171753	KSKN	622	250	1323	0	64693
43	WA	SPOKANE	473604	1171753	Vacant	450	664	1146		
11	WA	TACOMA	473655	1221828	KSTW	276	33.6	311		
13	WA	TACOMA	473253	1224822	KCPQ	585	48.3	693		
14	WA	TACOMA	473250	1224740	KTBW	473	90	581	0	39524
18	WA	TACOMA	473253	1224822	Vacant	585	600	693		
20	WA	TACOMA	473250	1224739	Vacant	491	157	599		
27	WA	TACOMA	471641	1223042	KBTC	224	47.2	264		
28	WA	TACOMA	471644	1223042	Vacant	219	62	258		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
36	WA	TACOMA	473655	1221828	Vacant	276	850	311		
42	WA	TACOMA	473017	1215806	KWDK	695	144	926		
30	WA	VANCOUVER	453119	1224453	KPDX	528	1000	599		
48	WA	VANCOUVER	453122	1224507	Vacant	530	1000	615		
49	WA	VANCOUVER	453123	1224507	Vacant	527	101	615		
9	WA	WALLA WALLA	460558	1190740	KAZW	432	96.2	747		
14	WA	YAKIMA	463157	1203037	KAPP	293	160	647		
16	WA	YAKIMA	463159	1203026	KNDO	266	200	619		
21	WA	YAKIMA	463158	1203033	KYVE	280	50	637		
23	WA	YAKIMA	463159	1203026	Vacant	293	25	646		
29	WA	YAKIMA	463158	1203033	Vacant	296	24	654		
33	WA	YAKIMA	463158	1203033	KIMA	296	1000	654		
35	WA	YAKIMA	463157	1203037	Vacant	293	25	647		
47	WA	YAKIMA	463158	1203033	Vacant	280	28	637		
46	WI	ANTIGO	450322	892754	WTPX	286	50	710		
27	WI	APPLETON	442130	875848	WACY	336	50	580		
32	WI	APPLETON	442130	875848	Vacant	343	25	587		
48	WI	CHIPPEWA FALLS	445724	914003	Vacant	213	68	529		
49	WI	CHIPPEWA FALLS	445724	914003	WEUX	203	1000	509		
4	WI	CRANDON	453423	885257	Vacant	119	1	621		
12	WI	CRANDON	453423	885257	WBIJ	119	5	621		
28	WI	EAGLE RIVER	454630	891455	WYOW	144	70	642	235	67695
34	WI	EAGLE RIVER	454630	891455	Vacant	154	161	652		
2	WI	GREEN BAY	442435	880006	Vacant	389	10	598		
5	WI	GREEN BAY	442421	880019	Vacant	341	10	570		
11	WI	GREEN BAY	442431	875929	WLUK	384	44.8	614		
22	WI	GREEN BAY	442343	883529	Vacant	587	242	828		
23	WI	GREEN BAY	442435	880005	WBAY	372	1000	599		
26	WI	GREEN BAY	442130	875848	Vacant	369	215	613		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
38	WI	GREEN BAY	442435	880006	Vacant	375	25	599		
39	WI	GREEN BAY	442001	875856	WFRV	364	1000	615		
41	WI	GREEN BAY	442130	875848	WGBA	321	1000	566		
42	WI	GREEN BAY	442434	880006	WPNE	375	200	599		
44	WI	GREEN BAY	443048	880024	Vacant	339	192	573		
50	WI	GREEN BAY	443048	880024	Vacant	339	850	573		
51	WI	GREEN BAY	442001	875855	Vacant	365	500	614		
39	WI	MARSHFIELD	443951	905741	Vacant	578	145	893		
27	WI	MENOMONIE	450249	915147	WHWC	350	291	655		
28	WI	MENOMONIE	450249	915147	Vacant	346	30	654		
36	WI	PARK FALLS	455643	901628	WLEF	445	145	920		
47	WI	PARK FALLS	455643	901623	Vacant	244	200	716		
12	WI	RHINELANDER	454002	891227	Vacant	506	21	998		
16	WI	RHINELANDER	454003	891229	WJFW	489	550	984		
6	WI	SUPERIOR	464721	920651	Vacant	302	22	603		
19	WI	SUPERIOR	464721	920651	KBJR	315	500	996		
14	WI	SURING	444400	881525	Vacant	201	82	442		
21	WI	SURING	442001	875856	WIWB	332	450	583		
7	WI	WAUSAU	445514	894131	WSAW	369	44	760		
9	WI	WAUSAU	445514	894131	WAOW	369	44	760		
20	WI	WAUSAU	445514	894128	Vacant	371	40	755		
24	WI	WAUSAU	445514	894128	WHRM	387	200	771		
48	WI	WAUSAUKEE	452230	875700	Vacant	296	24	530		
50	WI	WITTENBERG	450322	892754	WFXS	327	435	751		
10	WV	CLARKSBURG	391802	802037	WVFX	260	30	621		
12	WV	CLARKSBURG	391706	801946	WBOY	262	33	617		
46	WV	CLARKSBURG	391802	802037	Vacant	244	44	602		
3	WV	HUNTINGTON	383036	821310	Vacant	388	4	616		
13	WV	HUNTINGTON	383021	821233	WOWK	396	43	622		

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Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
23	WV	HUNTINGTON	383036	821310	WSAZ	402	724	627		
33	WV	HUNTINGTON	382941	821203	Vacant	378	57	603		
34	WV	HUNTINGTON	382941	821203	WPBY	379	100	606		
47	WV	HUNTINGTON	383021	821233	Vacant	396	895	622		
24	WV	MORGANTOWN	394145	794545	Vacant	457	120	938		
33	WV	MORGANTOWN	394145	794545	WNPB	457	145	938		
15	WV	PARKERSBURG	392059	813356	Vacant	192	92	429		
49	WV	PARKERSBURG	392059	813356	WTAP	193	47.4	429		
5	WV	WESTON	390429	802528	WDTV	253	22	634		
6	WV	WESTON	390429	802528	Vacant	248	42	629		
7	WV	WHEELING	400341	804508	WTRF	293	42.5	607		
32	WV	WHEELING	400341	804508	Vacant	293	740	607		

[1] Refer to Table C.
[2] Refer to Table D.

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
17552	0.856	0.763	0.651	0.516	0.377	0.249	0.197	0.246	0.31	0.336	0.31	0.246	0.197	0.249	0.377	0.516
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.651	0.763	0.856	0.929	0.979	0.999	0.998	0.974	0.935	0.895	0.874	0.869	0.874	0.895	0.935	0.974
	az320	az330	az340	az350												
	0.998	0.999	0.979	0.929												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
18952	0.899	0.9	0.905	0.917	0.936	0.963	0.988	1	0.987	0.94	0.854	0.733	0.588	0.437	0.302	0.218
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.207	0.232	0.245	0.232	0.207	0.218	0.302	0.437	0.588	0.733	0.854	0.94	0.987	1	0.988	0.963
	az320	az330	az340	az350												
	0.936	0.917	0.905	0.9												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
18954	1	0.978	0.915	0.82	0.709	0.597	0.501	0.432	0.393	0.381	0.393	0.432	0.501	0.597	0.709	0.82
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.915	0.978	1	0.978	0.915	0.82	0.709	0.597	0.501	0.432	0.393	0.381	0.393	0.432	0.501	0.597
	az320	az330	az340	az350												
	0.709	0.82	0.915	0.978												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
19013	0.839	0.836	0.86	0.901	0.947	0.981	0.989	0.96	0.894	0.79	0.648	0.474	0.274	0.192	0.316	0.355
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.228	0.225	0.414	0.606	0.77	0.892	0.996	0.998	0.994	0.964	0.921	0.877	0.845	0.839	0.871	0.931
	az320	az330	az340	az350	az6	az57.5	az128	az147	az165.5	az234	az287	az328				
	0.976	0.978	0.937	0.879	0.833	0.99	0.185	0.369	0.193	1	0.837	0.99				

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
19124	0.813	0.947	1	0.948	0.815	0.656	0.537	0.484	0.473	0.48	0.532	0.653	0.813	0.947	1	0.948
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.815	0.656	0.537	0.484	0.473	0.48	0.532	0.653	0.813	0.947	1	0.948	0.815	0.656	0.537	0.484
	az320	az330	az340	az350												
	0.473	0.48	0.532	0.653												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
19316	0.343	0.325	0.304	0.462	0.47	0.367	0.646	0.833	0.88	0.949	0.989	1	0.98	0.93	0.829	0.754
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.921	0.997	0.861	0.741	0.88	0.949	0.989	1	0.98	0.93	0.859	0.801	0.537	0.37	0.502	0.406
	az320	az330	az340	az350												
	0.308	0.332	0.346	0.35												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
20633	0.32	0.29	0.35	0.4	0.44	0.43	0.4	0.34	0.29	0.3	0.39	0.5	0.62	0.7	0.76	0.82
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.85	0.88	0.91	0.95	0.97	0.98	0.99	1	0.99	0.98	0.96	0.94	0.91	0.87	0.84	0.78
	az320	az330	az340	az350	az225											
	0.7	0.63	0.52	0.4	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
28154	0.284	0.361	0.402	0.374	0.299	0.253	0.296	0.427	0.579	0.728	0.844	0.917	0.975	1	0.969	0.89
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.775	0.673	0.608	0.569	0.591	0.568	0.601	0.666	0.764	0.878	0.964	1	0.975	0.918	0.842	0.731
	az320	az330	az340	az350												
	0.594	0.444	0.309	0.25												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
28693	0.97	0.99	0.976	0.924	0.837	0.712	0.551	0.356	0.19	0.281	0.37	0.281	0.193	0.332	0.532	0.709
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.849	0.942	0.99	0.999	0.979	0.939	0.894	0.855	0.837	0.853	0.907	0.962	0.99	0.957	0.902	0.85
	az320	az330	az340	az350												
	0.833	0.847	0.883	0.929												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
28940	0.46	0.29	0.21	0.25	0.3	0.33	0.3	0.25	0.21	0.29	0.46	0.66	0.83	0.95	1	0.95
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.83	0.66	0.46	0.29	0.21	0.25	0.3	0.33	0.3	0.25	0.21	0.29	0.46	0.66	0.83	0.95
	az320	az330	az340	az350												
	1	0.95	0.83	0.66												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
28994	0.978	0.909	0.799	0.67	0.552	0.475	0.45	0.481	0.563	0.68	0.806	0.91	0.975	0.994	0.972	0.917
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.835	0.725	0.585	0.415	0.239	0.177	0.3	0.424	0.476	0.438	0.324	0.196	0.227	0.395	0.569	0.717
	az320	az330	az340	az350												
	0.834	0.922	0.979	1												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29247	0.987	1	0.987	0.95	0.896	0.833	0.771	0.714	0.663	0.614	0.56	0.496	0.42	0.338	0.267	0.237
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.264	0.317	0.362	0.379	0.362	0.317	0.263	0.236	0.267	0.338	0.42	0.495	0.559	0.613	0.662	0.713
	az320	az330	az340	az350												
	0.77	0.833	0.895	0.95												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29265	0.47	0.36	0.32	0.36	0.47	0.64	0.82	0.95	1	0.95	0.82	0.64	0.47	0.35	0.32	0.36
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.48	0.65	0.82	0.95	0.99	0.94	0.81	0.64	0.47	0.35	0.31	0.35	0.46	0.63	0.81	0.94
	az320	az330	az340	az350												
	0.99	0.95	0.82	0.64												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29285	0.374	0.559	0.75	0.906	0.988	0.979	0.899	0.801	0.762	0.819	0.92	0.991	0.988	0.911	0.808	0.754
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.8	0.903	0.985	0.992	0.908	0.749	0.555	0.369	0.237	0.237	0.367	0.536	0.684	0.767	0.764	0.673
	az320	az330	az340	az350												
	0.522	0.351	0.226	0.238												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29292	0.993	0.998	0.976	0.944	0.918	0.901	0.895	0.908	0.921	0.942	0.974	0.995	0.985	0.94	0.865	0.775
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.684	0.593	0.497	0.392	0.28	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278	0.393	0.502	0.599
	az320	az330	az340	az350												
	0.688	0.778	0.873	0.951												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29784	0.584	0.672	0.762	0.847	0.92	0.972	0.997	0.994	0.964	0.907	0.831	0.745	0.654	0.567	0.487	0.418
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.355	0.297	0.247	0.21	0.207	0.242	0.294	0.34	0.365	0.363	0.333	0.283	0.233	0.204	0.215	0.256
	az320	az330	az340	az350												
	0.309	0.367	0.431	0.503												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
29997	0.4	0.31	0.23	0.17	0.15	0.17	0.23	0.31	0.4	0.53	0.73	0.89	0.97	1	0.97	0.89
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.73	0.53	0.4	0.31	0.23	0.17	0.15	0.17	0.23	0.31	0.4	0.53	0.73	0.89	0.97	1
	az320	az330	az340	az350												
	0.97	0.89	0.73	0.53												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
30005	0.232	0.291	0.476	0.661	0.801	0.895	0.955	0.991	0.999	0.972	0.916	0.86	0.838	0.863	0.916	0.963
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.982	0.963	0.916	0.863	0.838	0.86	0.916	0.972	0.999	0.991	0.955	0.895	0.801	0.661	0.476	0.291
	az320	az330	az340	az350												
	0.232	0.313	0.358	0.313												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
30032	0.71	0.622	0.577	0.577	0.622	0.71	0.823	0.929	0.992	0.992	0.929	0.823	0.71	0.622	0.577	0.577
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.622	0.71	0.823	0.929	0.992	0.992	0.929	0.823	0.71	0.622	0.577	0.577	0.622	0.71	0.823	0.929
	az320	az330	az340	az350												
	0.992	0.992	0.929	0.823												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
30039	0.509	0.544	0.587	0.639	0.696	0.754	0.809	0.859	0.905	0.942	0.966	0.982	0.993	0.996	0.999	1
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1	0.999	0.997	0.994	0.985	0.971	0.947	0.913	0.869	0.819	0.766	0.708	0.65	0.596	0.552	0.515
	az320	az330	az340	az350												
	0.491	0.478	0.477	0.487												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
30342	0.684	0.78	0.872	0.909	0.904	0.895	0.879	0.848	0.818	0.815	0.84	0.865	0.879	0.886	0.881	0.872
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.89	0.935	0.979	0.994	0.999	0.995	0.944	0.833	0.72	0.629	0.542	0.49	0.458	0.436	0.414	0.433
	az320	az330	az340	az350												
	0.45	0.478	0.523	0.602												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
31365	0.898	0.851	0.799	0.746	0.695	0.652	0.621	0.604	0.603	0.613	0.63	0.649	0.665	0.674	0.675	0.668
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.653	0.634	0.616	0.604	0.603	0.616	0.644	0.686	0.735	0.788	0.841	0.889	0.931	0.963	0.986	0.998
	az320	az330	az340	az350	az76	az136	az196	az316								
	0.999	0.989	0.969	0.938	0.602	0.676	0.602	1								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
31523	1	0.994	0.978	0.951	0.915	0.871	0.82	0.767	0.715	0.668	0.631	0.609	0.602	0.608	0.623	0.642
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.659	0.672	0.676	0.672	0.659	0.642	0.623	0.608	0.602	0.609	0.631	0.668	0.715	0.767	0.82	0.871
	az320	az330	az340	az350												
	0.915	0.951	0.978	0.994												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
32831	0.583	0.512	0.43	0.338	0.241	0.164	0.161	0.22	0.276	0.297	0.276	0.22	0.161	0.164	0.241	0.338
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.43	0.512	0.583	0.648	0.709	0.768	0.825	0.879	0.927	0.966	0.991	1	0.991	0.966	0.927	0.879
	az320	az330	az340	az350												
	0.825	0.768	0.709	0.648												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
33138	0.939	0.888	0.853	0.846	0.865	0.898	0.935	0.969	0.99	0.987	0.951	0.877	0.775	0.661	0.556	0.484
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.458	0.484	0.556	0.661	0.775	0.877	0.951	0.987	0.99	0.969	0.935	0.898	0.865	0.846	0.853	0.888
	az320	az330	az340	az350	az27	az84	az236	az293								
	0.939	0.983	1	0.983	0.845	0.992	0.992	0.845								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
33152	0.942	0.99	0.999	0.979	0.939	0.894	0.855	0.837	0.853	0.907	0.962	0.99	0.957	0.902	0.85	0.833
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.847	0.883	0.929	0.97	0.99	0.976	0.924	0.837	0.712	0.551	0.356	0.19	0.281	0.37	0.281	0.193
	az320	az330	az340	az350	az18	az271										
	0.332	0.532	0.709	0.849	1	0.187										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
33311	0.566	0.542	0.482	0.418	0.417	0.52	0.683	0.844	0.959	1	0.959	0.844	0.683	0.52	0.417	0.418
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.482	0.542	0.566	0.542	0.482	0.418	0.417	0.52	0.683	0.844	0.959	1	0.959	0.844	0.683	0.52
	az320	az330	az340	az350												
	0.417	0.418	0.482	0.542												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
33342	0.61	0.6	0.61	0.62	0.64	0.66	0.67	0.68	0.67	0.66	0.64	0.62	0.61	0.6	0.61	0.63
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.67	0.72	0.77	0.82	0.87	0.92	0.95	0.98	0.99	1	0.99	0.98	0.95	0.92	0.87	0.82
	az320	az330	az340	az350												
	0.77	0.72	0.67	0.63												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
33405	0.939	0.79	0.607	0.447	0.329	0.288	0.307	0.389	0.525	0.591	0.532	0.415	0.314	0.284	0.341	0.455
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.612	0.794	0.939	0.998	0.965	0.885	0.791	0.693	0.61	0.578	0.592	0.596	0.588	0.574	0.601	0.689
	az320	az330	az340	az350												
	0.784	0.876	0.958	1												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
38130	0.473	0.474	0.382	0.444	0.637	0.699	0.698	0.797	0.924	0.966	0.936	0.781	0.753	0.888	0.864	0.731
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.794	0.955	0.999	0.979	0.827	0.782	0.897	0.859	0.706	0.756	0.924	0.97	0.95	0.826	0.735	0.722
	az320	az330	az340	az350												
	0.61	0.393	0.347	0.45												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
38178	0.893	0.896	0.905	0.92	0.941	0.964	0.985	0.998	0.998	0.98	0.943	0.888	0.818	0.741	0.663	0.593
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.537	0.502	0.49	0.502	0.537	0.593	0.663	0.741	0.818	0.888	0.943	0.98	0.998	0.998	0.985	0.964
	az320	az330	az340	az350	az74	az284										
	0.941	0.92	0.905	0.896	1	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
38385	0.94	0.854	0.733	0.588	0.437	0.302	0.218	0.207	0.232	0.245	0.232	0.207	0.218	0.302	0.437	0.588
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.733	0.854	0.94	0.987	1	0.988	0.963	0.936	0.917	0.905	0.9	0.899	0.9	0.905	0.917	0.936
	az320	az330	az340	az350												
	0.963	0.988	1	0.987												

Table B: Direction Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
38556	0.335	0.417	0.533	0.647	0.741	0.812	0.86	0.893	0.917	0.939	0.959	0.977	0.991	0.999	0.999	0.991
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.977	0.959	0.939	0.917	0.893	0.86	0.812	0.741	0.647	0.533	0.417	0.335	0.323	0.372	0.432	0.47
	az320	az330	az340	az350	az135	az315										
	0.47	0.432	0.372	0.323	1	0.475										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
38740	1	0.986	0.849	0.652	0.481	0.378	0.281	0.216	0.216	0.227	0.238	0.238	0.227	0.216	0.214	0.252
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.315	0.436	0.6	0.746	0.859	0.87	0.835	0.703	0.538	0.321	0.314	0.314	0.29	0.298	0.331	0.331
	az320	az330	az340	az350												
	0.374	0.566	0.799	0.938												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
39524	0.98	0.99	1	1	0.97	0.94	0.94	0.97	0.99	1	0.99	0.97	0.94	0.94	0.97	1
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1	0.99	0.98	0.92	0.81	0.7	0.6	0.5	0.36	0.23	0.19	0.2	0.19	0.23	0.36	0.5
	az320	az330	az340	az350												
	0.6	0.7	0.81	0.92												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
39803	0.885	0.884	0.911	0.952	0.986	1	0.987	0.953	0.913	0.885	0.884	0.911	0.952	0.986	1	0.987
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.953	0.913	0.885	0.884	0.911	0.952	0.986	1	0.987	0.953	0.913	0.885	0.884	0.911	0.952	0.986
	az320	az330	az340	az350												
	1	0.987	0.953	0.913												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40304	0.588	0.437	0.302	0.218	0.207	0.232	0.245	0.232	0.207	0.218	0.302	0.437	0.588	0.733	0.854	0.94
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.987	1	0.988	0.963	0.936	0.917	0.905	0.9	0.899	0.9	0.905	0.917	0.936	0.963	0.988	1
	az320	az330	az340	az350												
	0.987	0.94	0.854	0.733												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40362	0.668	0.715	0.767	0.82	0.871	0.915	0.951	0.978	0.994	1	0.994	0.978	0.951	0.915	0.871	0.82
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.767	0.715	0.668	0.631	0.609	0.602	0.608	0.623	0.642	0.659	0.672	0.676	0.672	0.659	0.642	0.623
	az320	az330	az340	az350												
	0.608	0.602	0.609	0.631												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40377	0.864	0.919	0.973	0.997	0.986	0.957	0.921	0.863	0.744	0.542	0.289	0.214	0.384	0.465	0.384	0.214
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.289	0.542	0.744	0.863	0.921	0.957	0.986	0.997	0.973	0.919	0.864	0.845	0.875	0.932	0.981	1
	az320	az330	az340	az350	az106	az154										
	0.981	0.932	0.875	0.845	0.194	0.194										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40562	0.223	0.206	0.229	0.244	0.234	0.209	0.214	0.29	0.422	0.573	0.72	0.843	0.933	0.984	1	0.99
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.965	0.939	0.918	0.906	0.901	0.899	0.9	0.905	0.915	0.934	0.96	0.986	1	0.99	0.946	0.864
	az320	az330	az340	az350												
	0.747	0.604	0.415	0.313												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40886	1	0.98	0.94	0.87	0.79	0.71	0.63	0.57	0.54	0.52	0.54	0.57	0.63	0.71	0.79	0.87
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.94	0.98	1	0.98	0.94	0.87	0.79	0.71	0.63	0.57	0.54	0.52	0.54	0.57	0.63	0.71
	az320	az330	az340	az350												
	0.79	0.87	0.94	0.98												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40887	0.92	0.81	0.7	0.6	0.5	0.36	0.24	0.19	0.2	0.19	0.23	0.35	0.5	0.6	0.69	0.8
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.92	0.98	0.99	1	1	0.97	0.94	0.94	0.96	0.98	0.99	0.99	0.97	0.94	0.94	0.96
	az320	az330	az340	az350												
	0.99	0.99	0.99	0.97												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
40890	0.723	0.667	0.612	0.554	0.489	0.413	0.328	0.247	0.2	0.214	0.262	0.306	0.322	0.306	0.262	0.214
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.2	0.247	0.328	0.413	0.489	0.554	0.612	0.667	0.723	0.785	0.848	0.907	0.956	0.989	1	0.989
	az320	az330	az340	az350												
	0.956	0.907	0.848	0.785												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
41148	0.2	0.21	0.22	0.21	0.2	0.25	0.32	0.44	0.6	0.72	0.85	0.92	0.97	1	0.98	0.96
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.92	0.92	0.96	0.99	1	0.99	0.96	0.92	0.92	0.96	0.98	1	0.97	0.92	0.85	0.72
	az320	az330	az340	az350												
	0.6	0.44	0.32	0.25												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
41227	0.922	0.845	0.758	0.68	0.605	0.51	0.397	0.302	0.253	0.241	0.253	0.302	0.397	0.51	0.605	0.68
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.758	0.845	0.922	0.975	0.997	0.99	0.959	0.929	0.925	0.951	0.985	1	0.985	0.951	0.925	0.929
	az320	az330	az340	az350												
	0.959	0.99	0.997	0.975												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
41344	1	0.98	0.96	0.94	0.89	0.83	0.75	0.68	0.61	0.56	0.54	0.5	0.44	0.34	0.24	0.18
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.22	0.28	0.32	0.28	0.22	0.18	0.24	0.34	0.44	0.5	0.54	0.56	0.61	0.68	0.75	0.83
	az320	az330	az340	az350												
	0.89	0.94	0.96	0.98												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
41971	0.414	0.472	0.549	0.63	0.71	0.784	0.849	0.902	0.942	0.97	0.988	0.998	0.995	0.983	0.961	0.928
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.884	0.826	0.754	0.67	0.587	0.51	0.442	0.393	0.373	0.39	0.428	0.469	0.502	0.523	0.527	0.512
	az320	az330	az340	az350	az115	az297										
	0.484	0.448	0.413	0.393	1	0.528										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
42131	0.554	0.652	0.738	0.8	0.823	0.804	0.745	0.659	0.559	0.461	0.385	0.378	0.469	0.62	0.775	0.896
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.963	0.977	0.955	0.923	0.901	0.893	0.895	0.901	0.915	0.941	0.975	0.999	0.988	0.924	0.807	0.653
	az320	az330	az340	az350												
	0.501	0.402	0.395	0.461												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
42576	0.392	0.28	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278	0.393	0.502	0.599	0.688	0.778	0.873
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.951	0.993	0.998	0.976	0.944	0.918	0.901	0.895	0.908	0.921	0.942	0.974	0.995	0.985	0.94	0.865
	az320	az330	az340	az350	az177											
	0.775	0.684	0.593	0.497	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
42932	0.71	0.7	0.69	0.66	0.63	0.61	0.6	0.6	0.63	0.66	0.71	0.76	0.83	0.88	0.93	0.95
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.97	0.99	1	0.99	0.97	0.95	0.93	0.88	0.83	0.76	0.71	0.66	0.63	0.6	0.6	0.61
	az320	az330	az340	az350												
	0.63	0.66	0.69	0.7												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
42948	0.278	0.229	0.218	0.261	0.269	0.224	0.264	0.466	0.658	0.829	0.947	1	0.97	0.842	0.755	0.736
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.677	0.514	0.333	0.285	0.333	0.315	0.209	0.209	0.325	0.42	0.469	0.491	0.51	0.549	0.562	0.502
	az320	az330	az340	az350												
	0.376	0.265	0.273	0.303												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43180	0.87	0.77	0.63	0.47	0.36	0.28	0.35	0.4	0.4	0.4	0.35	0.28	0.36	0.47	0.63	0.77
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.87	0.95	1	1	0.97	0.95	0.92	0.93	0.96	0.98	1	0.98	0.96	0.93	0.92	0.95
	az320	az330	az340	az350												
	0.97	1	1	0.95												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43259	0.242	0.319	0.349	0.319	0.242	0.178	0.222	0.342	0.482	0.622	0.753	0.866	0.949	0.993	0.997	0.967
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.924	0.891	0.882	0.888	0.893	0.888	0.882	0.891	0.924	0.967	0.997	0.993	0.949	0.866	0.753	0.622
	az320	az330	az340	az350	az135	az263										
	0.482	0.342	0.222	0.178	1	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43343	1	0.977	0.917	0.842	0.776	0.768	0.779	0.828	0.885	0.911	0.88	0.788	0.673	0.56	0.467	0.43
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.452	0.495	0.521	0.511	0.477	0.446	0.468	0.56	0.688	0.81	0.891	0.918	0.885	0.834	0.793	0.777
	az320	az330	az340	az350												
	0.816	0.885	0.949	0.984												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43442	0.55	0.553	0.55	0.553	0.558	0.556	0.583	0.665	0.779	0.89	0.965	0.994	1	0.99	0.946	0.881
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.845	0.872	0.935	0.968	0.935	0.872	0.845	0.881	0.946	0.99	1	0.994	0.965	0.89	0.779	0.665
	az320	az330	az340	az350												
	0.583	0.556	0.558	0.553												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43453	0.94	0.865	0.775	0.684	0.593	0.497	0.392	0.28	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.393	0.502	0.599	0.688	0.778	0.873	0.951	0.993	0.998	0.976	0.944	0.918	0.901	0.895	0.908	0.921
	az320	az330	az340	az350	az237	az342										
	0.942	0.974	0.995	0.985	1	0.996										

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43680	0.909	0.99	0.99	0.909	0.767	0.599	0.457	0.405	0.447	0.515	0.56	0.56	0.515	0.447	0.405	0.457
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.599	0.767	0.909	0.99	0.99	0.909	0.767	0.599	0.457	0.405	0.447	0.515	0.56	0.56	0.515	0.447
	az320	az330	az340	az350	az15	az105	az195									
	0.405	0.457	0.599	0.767	1	0.566	1									
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
43683	0.68	0.67	0.66	0.64	0.62	0.61	0.6	0.61	0.63	0.67	0.72	0.77	0.82	0.87	0.92	0.95
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.98	0.99	1	0.99	0.98	0.95	0.92	0.87	0.82	0.77	0.72	0.67	0.63	0.61	0.6	0.61
	az320	az330	az340	az350												
	0.62	0.64	0.66	0.67												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
44001	0.743	0.868	0.961	1	0.971	0.91	0.847	0.795	0.763	0.761	0.778	0.781	0.776	0.761	0.756	0.795
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.855	0.919	0.97	1	0.964	0.881	0.768	0.638	0.508	0.399	0.359	0.381	0.424	0.414	0.429	0.389
	az320	az330	az340	az350												
	0.362	0.391	0.479	0.605												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
44438	0.77	0.72	0.67	0.64	0.62	0.62	0.62	0.64	0.66	0.67	0.68	0.69	0.68	0.67	0.65	0.63
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.62	0.62	0.62	0.65	0.68	0.73	0.78	0.83	0.88	0.92	0.96	0.98	1	1	0.99	0.98
	az320	az330	az340	az350												
	0.95	0.91	0.87	0.82												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
44725	1	0.994	0.978	0.951	0.915	0.871	0.82	0.767	0.715	0.668	0.631	0.609	0.602	0.608	0.623	0.642
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.659	0.672	0.676	0.672	0.659	0.642	0.623	0.608	0.602	0.609	0.631	0.668	0.715	0.767	0.82	0.871
	az320	az330	az340	az350												
	0.915	0.951	0.978	0.994												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
44780	1	0.985	0.951	0.925	0.929	0.959	0.99	0.997	0.975	0.922	0.845	0.758	0.68	0.605	0.51	0.397
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.302	0.253	0.241	0.253	0.302	0.397	0.51	0.605	0.68	0.758	0.845	0.922	0.975	0.997	0.99	0.959
	az320	az330	az340	az350												
	0.929	0.925	0.951	0.985												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
44846	0.776	0.76	0.776	0.82	0.88	0.94	0.984	1	0.984	0.94	0.88	0.82	0.776	0.76	0.776	0.82
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.88	0.94	0.984	1	0.984	0.94	0.88	0.82	0.776	0.76	0.776	0.82	0.88	0.94	0.984	1
	az320	az330	az340	az350												
	0.984	0.94	0.88	0.82												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
45946	0.869	0.891	0.896	0.887	0.874	0.868	0.879	0.911	0.954	0.99	0.999	0.972	0.914	0.843	0.791	0.78
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.812	0.864	0.915	0.949	0.956	0.931	0.871	0.779	0.665	0.544	0.435	0.357	0.319	0.326	0.379	0.462
	az320	az330	az340	az350	az98	az283										
	0.564	0.666	0.756	0.825	1	0.317										

Table B: Direction Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
46110	0.943	0.989	0.999	0.973	0.926	0.882	0.86	0.871	0.907	0.95	0.978	0.98	0.953	0.907	0.861	0.836
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.843	0.875	0.916	0.945	0.951	0.931	0.894	0.857	0.837	0.843	0.869	0.904	0.932	0.942	0.925	0.883
	az320	az330	az340	az350	az16											
	0.833	0.805	0.821	0.877	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
46190	0.677	0.631	0.585	0.462	0.415	0.323	0.277	0.246	0.231	0.231	0.231	0.246	0.277	0.323	0.4	0.477
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.585	0.646	0.692	0.738	0.769	0.877	0.877	0.908	0.938	0.969	0.985	1	0.985	0.969	0.938	0.908
	az320	az330	az340	az350												
	0.892	0.877	0.769	0.738												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
58961	0.392	0.28	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278	0.393	0.502	0.599	0.688	0.778	0.873
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.951	0.993	0.998	0.976	0.944	0.918	0.901	0.895	0.908	0.921	0.942	0.974	0.995	0.985	0.94	0.865
	az320	az330	az340	az350	az177											
	0.775	0.684	0.593	0.497	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59127	0.988	0.953	0.851	0.762	0.668	0.51	0.345	0.288	0.347	0.357	0.34	0.288	0.359	0.524	0.666	0.756
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.856	0.961	0.99	0.952	0.849	0.836	0.878	0.829	0.749	0.808	0.952	1	0.948	0.809	0.764	0.846
	az320	az330	az340	az350												
	0.877	0.821	0.846	0.958												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59210	0.899	0.9	0.905	0.917	0.936	0.963	0.988	1	0.987	0.94	0.854	0.733	0.588	0.437	0.302	0.218
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.207	0.232	0.245	0.232	0.207	0.218	0.302	0.437	0.588	0.733	0.854	0.94	0.987	1	0.988	0.963
	az320	az330	az340	az350	az156	az204										
	0.936	0.917	0.905	0.9	0.204	0.204										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59326	0.51	0.52	0.51	0.52	0.54	0.56	0.6	0.65	0.7	0.77	0.84	0.91	0.965	0.995	1	0.99
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.965	0.953	0.922	0.862	0.825	0.788	0.754	0.711	0.654	0.617	0.525	0.452	0.422	0.452	0.525	0.653
	az320	az330	az340	az350												
	0.692	0.653	0.585	0.545												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59327	0.977	0.997	0.93	0.788	0.612	0.486	0.498	0.589	0.651	0.634	0.551	0.477	0.523	0.682	0.852	0.967
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.999	0.947	0.827	0.662	0.48	0.309	0.178	0.134	0.176	0.231	0.262	0.254	0.211	0.154	0.138	0.223
	az320	az330	az340	az350	az7	az159										
	0.374	0.553	0.732	0.882	1	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59340	0.913	0.906	0.912	0.923	0.937	0.942	0.938	0.91	0.867	0.816	0.77	0.738	0.734	0.75	0.785	0.834
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.884	0.919	0.942	0.945	0.939	0.93	0.922	0.925	0.932	0.948	0.965	0.982	0.992	0.997	1	0.989
	az320	az330	az340	az350	az11	az117	az186	az223								
	0.976	0.961	0.945	0.927	0.905	0.732	0.946	0.922								

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59817	0.677	0.722	0.761	0.8	0.844	0.89	0.934	0.969	0.992	1	0.992	0.969	0.934	0.89	0.844	0.8
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.761	0.722	0.677	0.615	0.531	0.428	0.323	0.251	0.257	0.316	0.37	0.391	0.37	0.316	0.257	0.251
	az320	az330	az340	az350												
	0.323	0.428	0.531	0.615												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59853	0.822	0.886	0.937	0.973	0.993	1	0.993	0.973	0.937	0.886	0.822	0.75	0.681	0.625	0.586	0.553
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.508	0.435	0.335	0.229	0.185	0.235	0.301	0.328	0.301	0.235	0.185	0.229	0.335	0.435	0.508	0.553
	az320	az330	az340	az350												
	0.586	0.625	0.681	0.75												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59878	0.698	0.751	0.792	0.829	0.867	0.906	0.942	0.973	0.993	1	0.993	0.973	0.942	0.906	0.867	0.829
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.792	0.751	0.698	0.626	0.534	0.427	0.326	0.267	0.283	0.341	0.392	0.412	0.392	0.341	0.283	0.267
	az320	az330	az340	az350												
	0.326	0.427	0.534	0.626												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
59939	0.37	0.566	0.756	0.906	0.989	0.989	0.906	0.756	0.566	0.374	0.237	0.223	0.283	0.327	0.327	0.283
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.223	0.237	0.374	0.566	0.756	0.906	0.989	0.989	0.906	0.756	0.566	0.374	0.237	0.223	0.283	0.327
	az320	az330	az340	az350												
	0.327	0.283	0.223	0.237												

Table B: Direction Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
60199	0.893	0.965	0.996	0.991	0.968	0.899	0.798	0.69	0.578	0.463	0.348	0.255	0.195	0.133	0.072	0.033
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.019	0.023	0.036	0.054	0.073	0.077	0.062	0.039	0.02	0.021	0.055	0.104	0.146	0.194	0.26	0.354
	az320	az330	az340	az350	az25											
	0.466	0.583	0.696	0.801	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
60511	0.993	0.943	0.826	0.698	0.611	0.525	0.461	0.488	0.566	0.573	0.532	0.474	0.475	0.541	0.595	0.686
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.842	0.972	1	0.942	0.83	0.735	0.702	0.649	0.611	0.671	0.775	0.792	0.742	0.656	0.626	0.668
	az320	az330	az340	az350												
	0.683	0.713	0.832	0.962												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
60531	0.146	0.171	0.18	0.161	0.145	0.2	0.324	0.475	0.627	0.764	0.873	0.948	0.988	1	0.991	0.971
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.948	0.929	0.915	0.907	0.905	0.909	0.92	0.936	0.957	0.98	0.996	0.998	0.976	0.922	0.833	0.712
	az320	az330	az340	az350												
	0.567	0.413	0.269	0.167												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
64438	0.52	0.417	0.418	0.482	0.542	0.566	0.542	0.482	0.418	0.417	0.52	0.683	0.844	0.959	1	0.959
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.844	0.683	0.52	0.417	0.418	0.482	0.542	0.566	0.542	0.482	0.418	0.417	0.52	0.683	0.844	0.959
	az320	az330	az340	az350												
	1	0.959	0.844	0.683												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
64586	1	0.971	0.89	0.77	0.637	0.523	0.462	0.462	0.487	0.5	0.487	0.462	0.462	0.523	0.637	0.77
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.89	0.971	1	0.971	0.89	0.77	0.637	0.523	0.462	0.462	0.487	0.5	0.487	0.462	0.462	0.523
	az320	az330	az340	az350	az45	az135	az225	az315								
	0.637	0.77	0.89	0.971	0.575	0.575	0.575	0.575								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
64693	0.725	0.59	0.457	0.346	0.277	0.231	0.195	0.162	0.137	0.127	0.139	0.166	0.198	0.225	0.24	0.226
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.197	0.164	0.136	0.128	0.153	0.19	0.222	0.254	0.301	0.369	0.459	0.57	0.693	0.82	0.928	0.988
	az320	az330	az340	az350												
	1	0.995	0.945	0.848												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
64696	0.776	0.768	0.779	0.828	0.855	0.911	0.88	0.788	0.673	0.56	0.467	0.43	0.452	0.495	0.521	0.511
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.477	0.446	0.468	0.56	0.688	0.81	0.891	0.918	0.885	0.834	0.793	0.777	0.816	0.885	0.949	0.984
	az320	az330	az340	az350												
	1	0.977	0.917	0.842												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
64823	0.549	0.604	0.68	0.762	0.837	0.898	0.943	0.975	0.994	1	0.994	0.975	0.943	0.898	0.837	0.762
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.68	0.604	0.549	0.517	0.486	0.434	0.346	0.236	0.164	0.205	0.276	0.306	0.276	0.205	0.164	0.236
	az320	az330	az340	az350												
	0.346	0.434	0.486	0.517												

Table B: Direction Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
65226	0.345	0.303	0.294	0.307	0.332	0.36	0.381	0.392	0.392	0.383	0.365	0.341	0.315	0.297	0.304	0.341
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.394	0.452	0.516	0.586	0.664	0.75	0.838	0.914	0.971	0.996	0.992	0.97	0.918	0.841	0.752	0.66
	az320	az330	az340	az350	az18	az255										
	0.572	0.495	0.436	0.395	0.293	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
65356	0.708	0.734	0.662	0.506	0.331	0.237	0.2	0.211	0.159	0.168	0.209	0.214	0.192	0.158	0.115	0.116
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.345	0.608	0.789	0.847	0.838	0.847	0.906	0.973	1	0.982	0.944	0.909	0.894	0.902	0.91	0.883
	az320	az330	az340	az350												
	0.809	0.707	0.636	0.645												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
65845	0.917	0.973	0.997	0.998	0.986	0.971	0.958	0.951	0.948	0.947	0.948	0.951	0.958	0.971	0.986	0.998
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.997	0.973	0.917	0.828	0.709	0.571	0.433	0.32	0.264	0.268	0.292	0.304	0.292	0.268	0.264	0.32
	az320	az330	az340	az350	az25	az45	az135	az155	az225							
	0.433	0.571	0.709	0.828	1	0.978	0.978	1	0.371							
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66172	0.981	1	0.981	0.932	0.874	0.828	0.806	0.805	0.816	0.829	0.833	0.821	0.79	0.741	0.683	0.63
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.599	0.596	0.61	0.618	0.61	0.596	0.599	0.63	0.683	0.741	0.79	0.821	0.833	0.829	0.816	0.805
	az320	az330	az340	az350												
	0.806	0.828	0.874	0.932												

Table B: Direction Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66255	0.633	0.516	0.437	0.423	0.439	0.439	0.423	0.437	0.516	0.633	0.747	0.834	0.884	0.898	0.881	0.845
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.802	0.764	0.749	0.775	0.846	0.932	0.991	0.991	0.932	0.846	0.775	0.749	0.764	0.802	0.845	0.881
	az320	az330	az340	az350	az225											
	0.898	0.884	0.834	0.747	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66309	0.776	0.786	0.748	0.669	0.778	0.918	0.954	0.9	0.77	0.71	0.76	0.772	0.751	0.825	0.948	0.985
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.949	0.826	0.658	0.475	0.335	0.247	0.195	0.206	0.202	0.189	0.188	0.247	0.335	0.475	0.659	0.845
	az320	az330	az340	az350												
	0.968	1	0.946	0.834												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66762	0.202	0.312	0.479	0.663	0.828	0.946	0.997	1	0.977	0.872	0.71	0.536	0.382	0.282	0.247	0.282
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.382	0.536	0.71	0.872	0.977	1	0.997	0.946	0.828	0.663	0.479	0.312	0.202	0.184	0.181	0.185
	az320	az330	az340	az350	az63	az197										
	0.19	0.193	0.19	0.185	1	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66841	0.247	0.226	0.198	0.181	0.199	0.268	0.395	0.563	0.743	0.896	0.986	0.99	0.905	0.745	0.545	0.349
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.211	0.163	0.163	0.211	0.349	0.545	0.745	0.905	0.99	0.986	0.896	0.743	0.563	0.395	0.268	0.199
	az320	az330	az340	az350												
	0.181	0.198	0.226	0.247												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
66852	0.983	0.943	0.908	0.891	0.891	0.908	0.943	0.983	1	0.983	0.943	0.908	0.891	0.891	0.908	0.943
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.983	1	0.983	0.943	0.908	0.891	0.891	0.908	0.943	0.983	1	0.983	0.943	0.908	0.891	0.891
	az320	az330	az340	az350												
	0.908	0.943	0.983	1												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67218	0.894	0.855	0.837	0.853	0.907	0.962	0.99	0.957	0.902	0.85	0.833	0.847	0.883	0.929	0.97	0.99
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.976	0.924	0.837	0.712	0.551	0.356	0.19	0.281	0.37	0.281	0.193	0.332	0.532	0.709	0.849	0.942
	az320	az330	az340	az350	az328											
	0.99	0.999	0.979	0.939	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67289	0.887	0.85	0.85	0.88	0.923	0.965	0.994	0.999	0.972	0.913	0.823	0.714	0.611	0.543	0.524	0.529
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.528	0.525	0.552	0.629	0.737	0.843	0.927	0.98	1	0.99	0.957	0.914	0.872	0.847	0.855	0.897
	az320	az330	az340	az350												
	0.954	0.991	0.987	0.943												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67337	0.951	0.948	0.934	0.898	0.832	0.737	0.626	0.52	0.444	0.416	0.444	0.52	0.626	0.737	0.832	0.898
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.934	0.948	0.951	0.952	0.953	0.951	0.941	0.932	0.935	0.957	0.987	1	0.987	0.957	0.935	0.932
	az320	az330	az340	az350												
	0.941	0.951	0.953	0.952												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67695	0.788	0.796	0.806	0.822	0.842	0.86	0.861	0.839	0.79	0.71	0.618	0.568	0.561	0.588	0.668	0.789
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.899	0.973	1	0.98	0.917	0.823	0.721	0.632	0.58	0.607	0.685	0.77	0.836	0.868	0.876	0.87
	az320	az330	az340	az350	az56	az117	az242									
	0.854	0.832	0.809	0.791	0.863	0.56	0.579									
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67847	0.997	0.959	0.833	0.714	0.62	0.534	0.449	0.453	0.532	0.551	0.528	0.452	0.455	0.533	0.621	0.708
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.835	0.963	1	0.956	0.834	0.751	0.717	0.662	0.595	0.643	0.76	0.793	0.757	0.643	0.603	0.665
	az320	az330	az340	az350												
	0.716	0.74	0.832	0.959												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67896	0.901	0.895	0.908	0.921	0.942	0.974	0.995	0.985	0.94	0.865	0.775	0.684	0.593	0.497	0.392	0.28
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278	0.393	0.502	0.599	0.688	0.778	0.873	0.951	0.993
	az320	az330	az340	az350	az62	az317										
	0.998	0.976	0.944	0.918	0.996	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67939	0.332	0.346	0.379	0.439	0.52	0.613	0.707	0.792	0.864	0.919	0.958	0.982	0.995	1	1	0.998
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.996	0.995	0.996	0.998	1	1	0.995	0.982	0.958	0.919	0.864	0.792	0.707	0.613	0.52	0.439
	az320	az330	az340	az350												
	0.379	0.346	0.332	0.33												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67971	0.651	0.557	0.476	0.422	0.412	0.451	0.524	0.616	0.715	0.81	0.888	0.936	0.957	0.955	0.962	0.956
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.941	0.936	0.95	0.966	0.981	0.994	0.998	0.988	0.976	0.957	0.942	0.944	0.958	0.97	0.962	0.957
	az320	az330	az340	az350												
	0.946	0.91	0.844	0.751												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
67986	0.978	0.82	0.791	0.93	0.933	0.802	0.828	0.932	0.838	0.802	0.937	0.942	0.789	0.816	0.959	0.877
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.797	0.928	0.98	0.856	0.809	0.941	0.92	0.794	0.899	0.999	0.906	0.802	0.93	0.948	0.805	0.859
	az320	az330	az340	az350	az303	az6	az251									
	0.963	0.887	0.768	0.901	0.792	0.894	1									
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68012	1	0.994	0.978	0.953	0.922	0.89	0.86	0.832	0.802	0.76	0.696	0.603	0.487	0.368	0.29	0.297
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.361	0.419	0.442	0.419	0.361	0.297	0.29	0.368	0.487	0.603	0.696	0.76	0.802	0.832	0.86	0.89
	az320	az330	az340	az350												
	0.922	0.953	0.978	0.994												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68025	0.197	0.184	0.226	0.257	0.227	0.183	0.194	0.278	0.393	0.502	0.599	0.688	0.778	0.873	0.951	0.993
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.998	0.976	0.944	0.918	0.901	0.895	0.908	0.921	0.942	0.974	0.995	0.985	0.94	0.865	0.775	0.684
	az320	az330	az340	az350												
	0.593	0.497	0.392	0.28												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68037	1	0.95	0.8	0.5	0.28	0.22	0.2	0.23	0.26	0.26	0.26	0.25	0.23	0.22	0.22	0.23
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.25	0.25	0.25	0.25	0.25	0.23	0.22	0.22	0.23	0.25	0.26	0.26	0.26	0.23	0.2	0.22
	az320	az330	az340	az350												
	0.28	0.5	0.8	0.95												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68039	0.902	0.887	0.78	0.617	0.47	0.411	0.392	0.378	0.396	0.408	0.399	0.372	0.382	0.394	0.414	0.524
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.722	0.881	0.927	0.887	0.783	0.72	0.753	0.771	0.749	0.806	0.94	0.999	0.967	0.853	0.769	0.777
	az320	az330	az340	az350	az2	az182	az227	az272	az314							
	0.763	0.697	0.723	0.84	0.906	0.929	0.775	1	0.78							
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68110	0.826	0.771	0.714	0.661	0.615	0.583	0.569	0.571	0.586	0.607	0.627	0.64	0.645	0.641	0.631	0.613
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.592	0.579	0.57	0.579	0.61	0.65	0.699	0.759	0.817	0.869	0.914	0.951	0.975	0.993	1	0.996
	az320	az330	az340	az350	az64	az108	az182									
	0.981	0.955	0.92	0.876	0.568	0.638	0.57									
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
68111	0.733	0.854	0.94	0.987	1	0.988	0.963	0.936	0.917	0.905	0.9	0.899	0.9	0.905	0.917	0.936
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.963	0.988	1	0.987	0.94	0.854	0.733	0.588	0.437	0.302	0.218	0.207	0.232	0.245	0.232	0.207
	az320	az330	az340	az350												
	0.218	0.302	0.437	0.588												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
70354	0.058	0.058	0.12	0.205	0.293	0.404	0.515	0.62	0.725	0.821	0.898	0.594	0.613	0.618	0.612	0.6
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.588	0.937	0.937	0.951	0.97	0.989	1	0.991	0.955	0.898	0.821	0.725	0.62	0.515	0.404	0.293
	az320	az330	az340	az350												
	0.205	0.12	0.058	0.058												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
71743	0.973	0.999	0.934	0.746	0.435	0.278	0.38	0.564	0.64	0.57	0.386	0.28	0.46	0.743	0.92	0.996
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.977	0.886	0.76	0.59	0.415	0.273	0.216	0.245	0.283	0.293	0.295	0.29	0.269	0.234	0.21	0.265
	az320	az330	az340	az350	az9	az152										
	0.405	0.588	0.77	0.9	1	1										
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
72521	0.149	0.123	0.147	0.122	0.079	0.163	0.316	0.468	0.579	0.649	0.773	0.926	0.995	0.946	0.782	0.806
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.939	0.903	0.722	0.742	0.933	1	0.949	0.749	0.594	0.682	0.786	0.753	0.696	0.713	0.72	0.698
	az320	az330	az340	az350	az8	az144	az163	az185								
	0.643	0.536	0.406	0.246	0.118	0.755	0.953	0.69								
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
73184	0.214	0.209	0.309	0.446	0.587	0.709	0.812	0.894	0.957	0.991	0.999	0.988	0.956	0.913	0.882	0.871
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.871	0.882	0.913	0.956	0.988	0.999	0.991	0.957	0.894	0.812	0.709	0.587	0.446	0.309	0.209	0.214
	az320	az330	az340	az350	az211	az98.5	az6	az304	az155							
	0.281	0.329	0.329	0.281	1	1	0.197	0.197	0.869							

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
73758	0.623	0.602	0.584	0.574	0.571	0.593	0.629	0.673	0.728	0.789	0.844	0.893	0.934	0.964	0.984	0.998
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.998	0.99	0.97	0.939	0.899	0.852	0.799	0.742	0.687	0.637	0.597	0.574	0.568	0.577	0.596	0.618
	az320	az330	az340	az350	az155											
	0.634	0.644	0.644	0.637	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
74790	0.197	0.315	0.457	0.598	0.724	0.834	0.919	0.965	0.98	0.966	0.927	0.881	0.834	0.821	0.823	0.837
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.876	0.935	0.981	0.999	0.989	0.947	0.865	0.761	0.635	0.497	0.349	0.221	0.135	0.13	0.181	0.224
	az320	az330	az340	az350	az193											
	0.228	0.191	0.137	0.123	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
76608	0.181	0.149	0.128	0.137	0.172	0.207	0.237	0.275	0.332	0.411	0.512	0.63	0.757	0.879	0.965	0.996
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.998	0.978	0.901	0.789	0.659	0.522	0.397	0.308	0.253	0.212	0.178	0.148	0.129	0.13	0.151	0.182
	az320	az330	az340	az350	az155											
	0.212	0.235	0.236	0.213	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
78226	0.06	0.036	0.019	0.023	0.06	0.108	0.151	0.199	0.268	0.365	0.478	0.594	0.707	0.811	0.901	0.971
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.997	0.99	0.963	0.889	0.788	0.678	0.566	0.452	0.337	0.248	0.189	0.127	0.067	0.03	0.019	0.024
	az320	az330	az340	az350												
	0.038	0.056	0.074	0.076												

Table B: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
78512	0.151	0.182	0.212	0.235	0.236	0.213	0.181	0.149	0.128	0.137	0.172	0.207	0.237	0.275	0.332	0.411
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.512	0.63	0.757	0.879	0.965	0.996	0.998	0.978	0.901	0.789	0.659	0.522	0.397	0.308	0.253	0.212
	az320	az330	az340	az350	az215											
	0.178	0.148	0.129	0.13	1											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
87268	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5
	az320	az330	az340	az350	az193											
	0.5	0.5	0.5	0.5	0.5											
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
99999	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.5	0.5	0.5
	az320	az330	az340	az350	az193											
	0.5	0.5	0.5	0.5	0.5											

Table C: Facilities for U.S. Assignments to protect Canadian Operations

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
16	MI	FLINT	431318	840314	WSMH	287	895	481	0	28994
9	MI	SAULT STE. MARIE	460308	840638	Vacant	291	10	486		
15	NY	SYRACUSE	431818	760300	WSPX	379	100	525	0	74790
19	OH	TOLEDO	414100	832449	Vacant	222	700	401		
35	PA	ERIE	420216	800344	Vacant	291	11.5	628		
22	VT	BURLINGTON	443133	724856	WCAX	845	443	1270		
33	WA	BELLEVUE	473017	1215806	KWPX	717	179	950		
24	WA	BELLINGHAM	484046	1225031	Vacant	757	16	792		

Table C: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
28994	0.978	0.909	0.799	0.67	0.552	0.475	0.45	0.481	0.563	0.68	0.806	0.91	0.975	0.994	0.972	0.917
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.835	0.725	0.585	0.415	0.239	0.177	0.3	0.424	0.476	0.438	0.324	0.196	0.227	0.395	0.569	0.717
	az320	az330	az340	az350												
	0.834	0.922	0.979	1												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
74790	0.197	0.315	0.457	0.598	0.724	0.834	0.919	0.965	0.98	0.966	0.927	0.881	0.834	0.821	0.823	0.837
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.876	0.935	0.981	0.999	0.989	0.947	0.865	0.761	0.635	0.497	0.349	0.221	0.135	0.13	0.181	0.224
	az320	az330	az340	az350	az193											
	0.228	0.191	0.137	0.123	1											

Table D: Facilities for U.S. Assignments to Protect Canadian Transitional Digital Allotments

Channel	State	City	Latitude	Longitude	Call Sign	EHAAT (m)	ERP (kW)	RCAMSL (m)	Antenna Rotation	Antenna ID
10	ME	AUGUSTA	440915	700037	WCBB	304	13.32	387		
10	ME	PRESQUE ISLE	463306	674838	WMEM	353	14.5	541		
11	MI	ALPENA	444211	833126	WBKB	204	19.8	450	0	74982
7	MI	DETROIT	422738	831250	WJBK	314	20	520	0	85153
12	MI	FLINT	431348	840335	WJRT	287	13.7	479		
8	MI	SAULT STE. MARIE	460308	840638	WGTQ	288	24	483		
34	NY	BINGHAMTON	420339	755636	WIVT	263	450	657	0	70326
7	NY	CARTHAGE	435715	754345	WWNY	219	14.5	506		
33	NY	ELMIRA	420622	765217	Vacant	363	175	756		
7	NY	SPRINGVILLE	423815	783712	WNGS	411	15.5	822	0	85722
12	OH	MANSFIELD	404550	823704	WMFD	180	15	558	5	69497
12	PA	ERIE	420352	800019	WICU	307	5.4	650		
3	VT	BURLINGTON	443136	724857	Vacant	822	1.8	1251		

Table D: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
69497	0.327	0.348	0.564	0.738	0.87	0.964	0.998	0.972	0.855	0.765	0.806	0.906	0.98	1	0.988	0.932
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.897	0.888	0.875	0.807	0.665	0.466	0.397	0.533	0.666	0.732	0.736	0.793	0.909	0.984	0.977	0.932
	az320	az330	az340	az350												
	0.867	0.804	0.73	0.54												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
70326	0.265	0.235	0.201	0.21	0.29	0.415	0.551	0.674	0.769	0.813	0.804	0.763	0.73	0.734	0.782	0.858
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.937	0.988	1	0.969	0.911	0.848	0.819	0.834	0.889	0.944	0.967	0.921	0.82	0.67	0.5	0.331
	az320	az330	az340	az350												
	0.223	0.211	0.246	0.271												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
74982	1	1	0.856	0.731	0.594	0.466	0.374	0.335	0.333	0.333	0.335	0.374	0.466	0.594	0.731	0.856
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.95	1	1	0.95	0.856	0.731	0.594	0.466	0.374	0.335	0.333	0.333	0.335	0.374	0.466	0.594
	az320	az330	az340	az350												
	0.731	0.856	0.95	1												
ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
85153	0.812	0.87	0.919	0.956	0.98	0.994	0.999	1	0.998	0.996	0.994	0.994	0.994	0.996	0.998	1
	az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.999	0.994	0.98	0.956	0.919	0.87	0.812	0.75	0.689	0.635	0.593	0.565	0.549	0.545	0.549	0.565
	az320	az330	az340	az350												
	0.593	0.635	0.689	0.75												

Table D: Directional Antenna Tabulations

ID	az0	az10	az20	az30	az40	az50	az60	az70	az80	az90	az100	az110	az120	az130	az140	az150
85722	0.96	0.87	0.74	0.58	0.41	0.26	0.12	0.06	0.03	0.03	0.02	0.01	0.01	0.01	0.03	0.05
	Az160	az170	az180	az190	az200	az210	az220	az230	az240	az250	az260	az270	az280	az290	az300	az310
	0.08	0.08	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.03	0.04	0.08	0.17	0.33	0.5	0.67
	Az320	az330	az340	az350												
	0.81	0.92	0.98	1												