

Diagram 1: 2.1\_TABLE7. TRANSMITTING GSO ES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS. TS in FS or MS

Notice ID: 2

Earth station name: MOUNTAINSIDE 0.60M

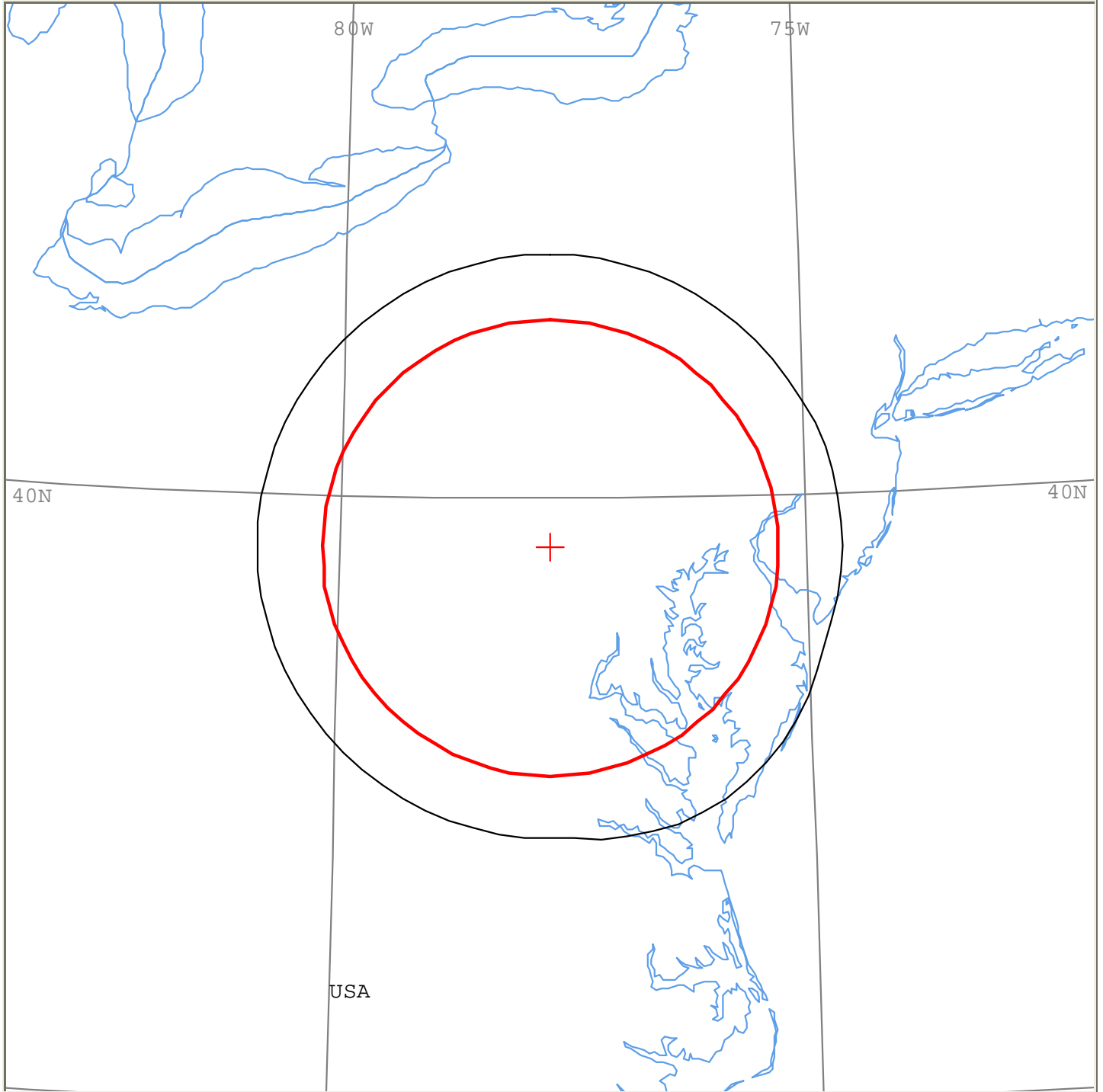
Administration/Geographical area: USA/USA

Earth station position: 077W453039N3601

Satellite orbital position: -53.00

Satellite name: INTELSAT IS-707

Frequency band: 5925.00-6425.00 MHz



Scale: 332.00 Km (default)


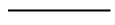

-  ES position
-  Main Model
-  Main Mode2

Diagram 1: 2.1\_TABLE7. TRANSMITTING GSO ES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS. TS in FS or MS

NOTICE ID: 2 EARTH STATION NAME: MOUNTAINSIDE 0.60M EARTH STATION POSITION: 077W453039N3601 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL ZONE: K  
 SATELLITE NAME: INTELSAT IS-707 SATELLITE ORBITAL POSITION: -53.00 DEG  
 ANTENNA AZIMUTH: 144.11 DEG ANTENNA ELEVATION: 37.52 DEG  
 FREQUENCY BAND: 5925.00-6425.00 MHZ ASSIGNED FREQUENCY: 6175.00 MHZ PERCENTAGE OF TIME: 0.0050 %  
 MAXIMUM ANTENNA GAIN: 30.0 DBI MAXIMUM POWER DENSITY: -33.9 DBW/HZ NOISE TEMPERATURE: - K  
 ANTENNA PATTERN: APEREC013V01  
 2.1\_TABLE7 Model: PLM\_DUCTING

TRANSMISSION LOSS MODE 1: 179.1 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)  
 TRANSMISSION LOSS MODE 2: 133.1 DB

AZIMUTH	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
OFF-AXIS	130.0	126.8	123.5	120.0	116.4	112.7	108.9	105.1	101.2	97.2	93.3	89.3	85.3	81.4	77.5	73.6	69.7	66.0	62.3	58.7	55.3	52.0	49.0	46.1
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-9.6
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	268	268	268	268	268	268	268	268	268	268	268	268	269	269	269	269	269	269	269	268	268	268	271
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MODE 2	0.0 DEG	208	208	208	208	208	209	209	209	209	209	209	210	210	210	210	210	210	210	211	211	211	211	211
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AZIMUTH	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235
OFF-AXIS	43.6	41.5	39.7	38.5	37.7	37.5	37.9	38.8	40.3	42.2	44.5	47.1	50.0	53.2	56.5	60.0	63.6	67.3	71.1	74.9	78.8	82.8	86.7	90.7
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-9.0	-8.4	-8.0	-7.6	-7.4	-7.4	-7.5	-7.7	-8.1	-8.6	-9.2	-9.8	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	274	277	279	281	282	282	282	281	279	276	273	269	268	268	268	268	268	268	268	268	268	268	268
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MODE 2	0.0 DEG	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	210	210	210	210	210	210	210	209
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AZIMUTH	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
OFF-AXIS	94.7	98.6	102.5	106.4	110.3	114.0	117.7	121.3	124.7	128.0	131.0	133.9	136.4	138.5	140.3	141.5	142.3	142.5	142.1	141.2	139.7	137.8	135.5	132.9
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268
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MODE 2	0.0 DEG	209	209	209	209	209	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
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PROBABLY AFFECTED COUNTRIES:

Diagram 2: 2.1\_TABLE8. RECEIVING GSO ES in FIXED-SATELLITE SERVICE W.R.T. TRANSMITTING TERRESTRIAL STATIONS. TS in FS or MS

Notice ID: 2

Administration/Geographical area: USA/USA

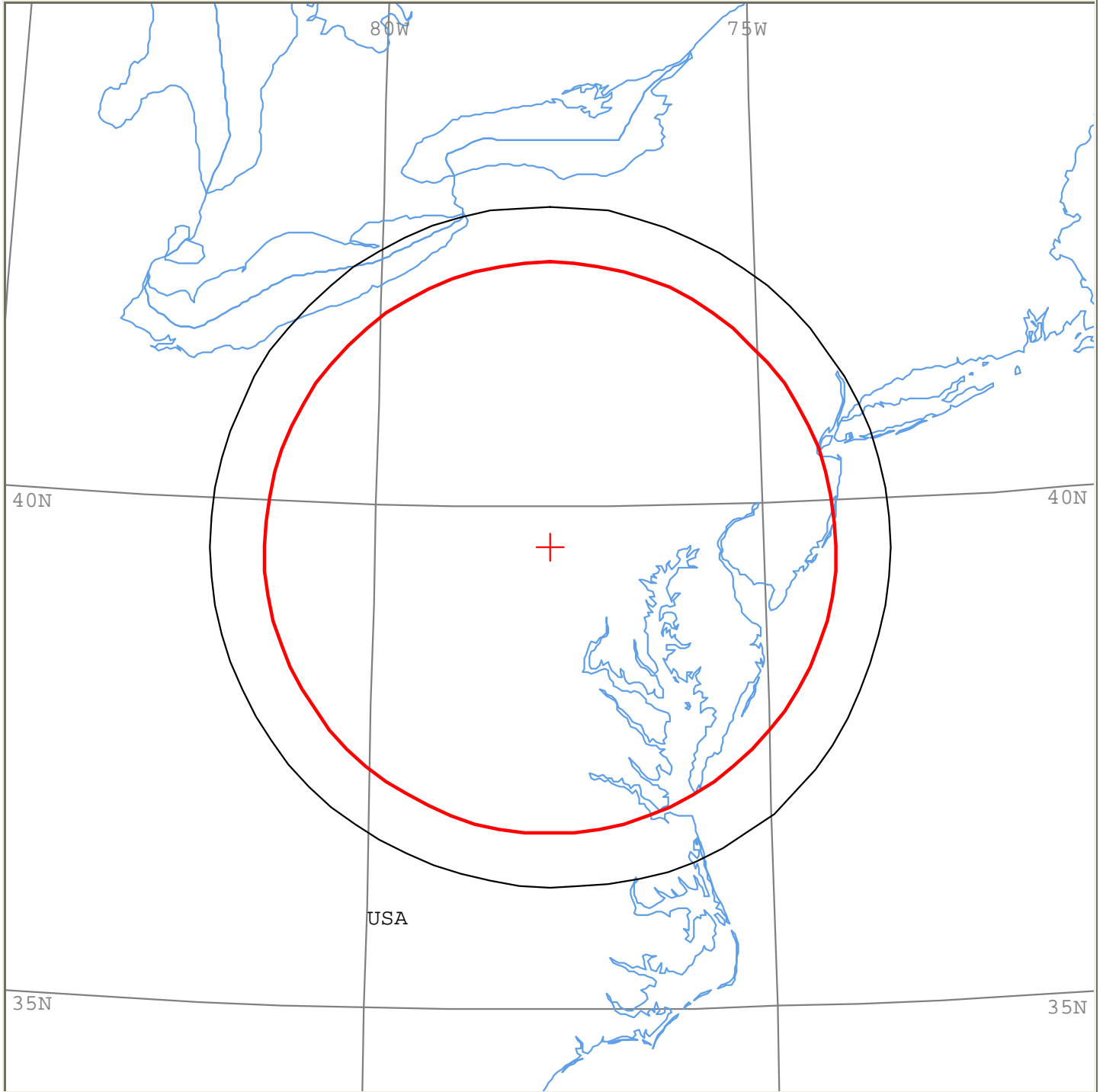
Satellite orbital position: -53.00

Frequency band: 3700.00-4200.00 MHz

Earth station name: MOUNTAINSIDE 0.60M

Earth station position: 077W453039N3601

Satellite name: INTELSAT IS-707



Scale: 435.00 Km (default)


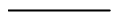

-  ES position
-  Main Model
-  Main Mode2

Diagram 2: 2.1\_TABLE8. RECEIVING GSO ES in FIXED-SATELLITE SERVICE W.R.T. TRANSMITTING TERRESTRIAL STATIONS. TS in FS or MS

NOTICE ID: 2 EARTH STATION NAME: MOUNTAINSIDE 0.60M EARTH STATION POSITION: 077W453039N3601 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL ZONE: K  
 SATELLITE NAME: INTELSAT IS-707 SATELLITE ORBITAL POSITION: -53.00 DEG  
 ANTENNA AZIMUTH: 144.11 DEG ANTENNA ELEVATION: 37.52 DEG  
 FREQUENCY BAND: 3700.00-4200.00 MHZ ASSIGNED FREQUENCY: 3950.00 MHZ PERCENTAGE OF TIME: 0.0017 %  
 MAXIMUM ANTENNA GAIN: 25.5 DBI MAXIMUM POWER DENSITY: - DBW/HZ NOISE TEMPERATURE: 154.0 K  
 ANTENNA PATTERN: APEREC013V01  
 2.1\_TABLE8 Model: PLM\_DUCTING

TRANSMISSION LOSS MODE 1: 203.1 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)  
 TRANSMISSION LOSS MODE 2: 161.1 DB

AZIMUTH	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
OFF-AXIS	130.0	126.8	123.5	120.0	116.4	112.7	108.9	105.1	101.2	97.2	93.3	89.3	85.3	81.4	77.5	73.6	69.7	66.0	62.3	58.7	55.3	52.0	49.0	46.1
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-9.6
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	375	375	376	375	375	375	375	375	375	375	375	375	376	376	376	376	376	376	376	376	376	376	378
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MODE 2	0.0 DEG	314	314	314	314	314	315	315	315	315	315	315	316	316	316	316	316	316	317	317	317	317	317	317
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AZIMUTH	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235
OFF-AXIS	43.6	41.5	39.7	38.5	37.7	37.5	37.9	38.8	40.3	42.2	44.5	47.1	50.0	53.2	56.5	60.0	63.6	67.3	71.1	74.9	78.8	82.8	86.7	90.7
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-9.0	-8.4	-8.0	-7.6	-7.4	-7.4	-7.5	-7.7	-8.1	-8.6	-9.2	-9.8	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	380	382	383	384	385	385	385	384	383	381	379	377	376	376	375	375	375	375	375	375	375	375	375
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MODE 2	0.0 DEG	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	316	316	316	316	316	316
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AZIMUTH	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
OFF-AXIS	94.7	98.6	102.5	106.4	110.3	114.0	117.7	121.3	124.7	128.0	131.0	133.9	136.4	138.5	140.3	141.5	142.3	142.5	142.1	141.2	139.7	137.8	135.5	132.9
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	375	375	375	375	375	375	375	375	375	375	375	375	376	376	376	376	376	376	376	376	376	376	375
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MODE 2	0.0 DEG	315	315	315	315	315	315	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
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PROBABLY AFFECTED COUNTRIES: CAN