

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: 1

Earth station name: WASHINGTON DC 0.60M

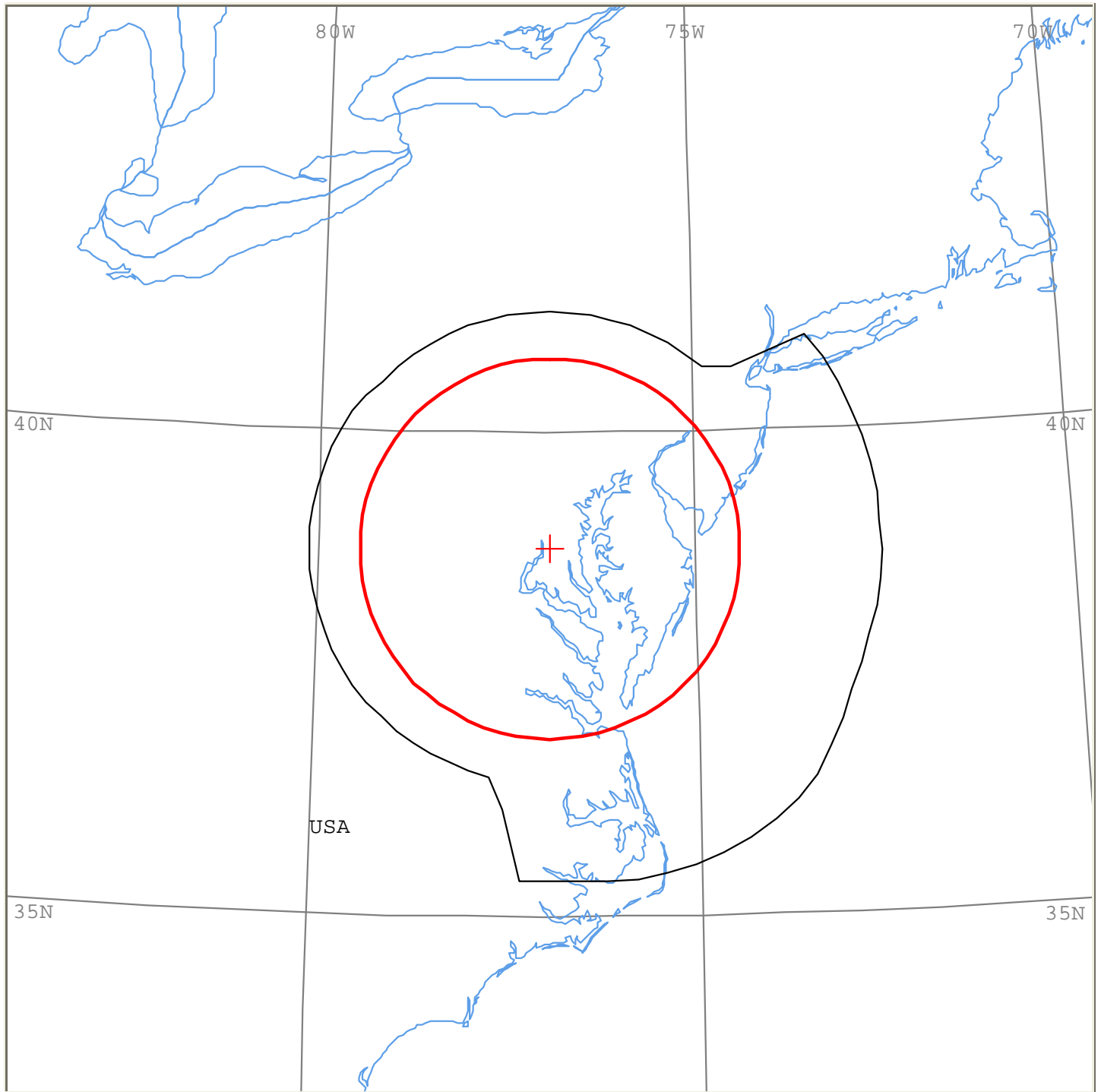
Administration/Geographical area: USA/USA

Earth station position: 076W563638N4814

Satellite orbital position: -53.00

Satellite name: INTELSAT IS-707

Frequency band: 5950.00-6450.00 MHz



Scale: 456.00 Km (default)


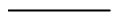

-  ES position
-  Main Model
-  Main Mode2

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: 1 EARTH STATION NAME: WASHINGTON DC 0.60M EARTH STATION POSITION: 076W563638N4814 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL\_ZONE: K  
 SATELLITE\_NAME: INTELSAT IS-707 SATELLITE\_ORBITAL\_POSITION: -53.00 DEG  
 ANTENNA\_AZIMUTH: 144.68 DEG ANTENNA\_ELEVATION: 38.64 DEG  
 FREQUENCY\_BAND: 5950.00-6450.00 MHZ ASSIGNED\_FREQUENCY: 6200.00 MHZ PERCENTAGE\_OF\_TIME: 0.0050 %  
 MAXIMUM\_ANTENNA\_GAIN: 30.0 DBI MAXIMUM\_POWER\_DENSITY: -33.5 DBW/HZ NOISE\_TEMPERATURE: - K  
 ANTENNA\_PATTERN: APEREC013V01  
 2.1\_TABLE7 Model: PLM\_DUCTING

TRANSMISSION LOSS MODE 1: 179.5 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)  
 TRANSMISSION LOSS MODE 2: 133.5 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	129.6	126.5	123.3	119.9	116.4	112.8	109.0	105.2	101.4	97.5	93.7	89.7	85.8	82.0	78.1	74.3	70.5	66.8	63.2	59.6	56.3	53.0	50.0	47.3
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	-9.9
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	271	271	271	271	271	271	272	272	272	294	381	383	383	382	382	382	382	381	382	382	382	381	382	383
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MODE 2	0.0 DEG	217	217	217	217	217	218	218	218	218	218	218	218	219	219	219	219	219	219	219	220	220	220	220
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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	44.8	42.7	40.9	39.7	38.9	38.6	38.9	39.8	41.1	42.9	45.1	47.6	50.4	53.5	56.7	60.1	63.6	67.2	71.0	74.8	78.6	82.5	86.3	90.3
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-9.3	-8.7	-8.3	-8.0	-7.7	-7.7	-7.8	-8.0	-8.4	-8.8	-9.4	-9.9	-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	389	395	403	405	406	406	403	401	398	394	389	384	383	384	305	272	272	272	272	273	274	274	275	275
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MODE 2	0.0 DEG	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	219	219	219	219	219	219	219	218	218
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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	94.2	98.0	101.9	105.7	109.5	113.2	116.8	120.4	123.7	127.0	130.0	132.7	135.2	137.3	139.1	140.3	141.1	141.4	141.1	140.2	138.9	137.1	134.9	132.4
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	275	275	275	275	276	276	276	276	276	275	275	275	275	275	274	271	271	271	271	271	271	271	271	271
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MODE 2	0.0 DEG	218	218	218	218	218	217	217	217	217	217	217	217	217	217	217	217	217	216	217	217	217	217	217	217
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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: 1

Earth station name: WASHINGTON DC 0.60M

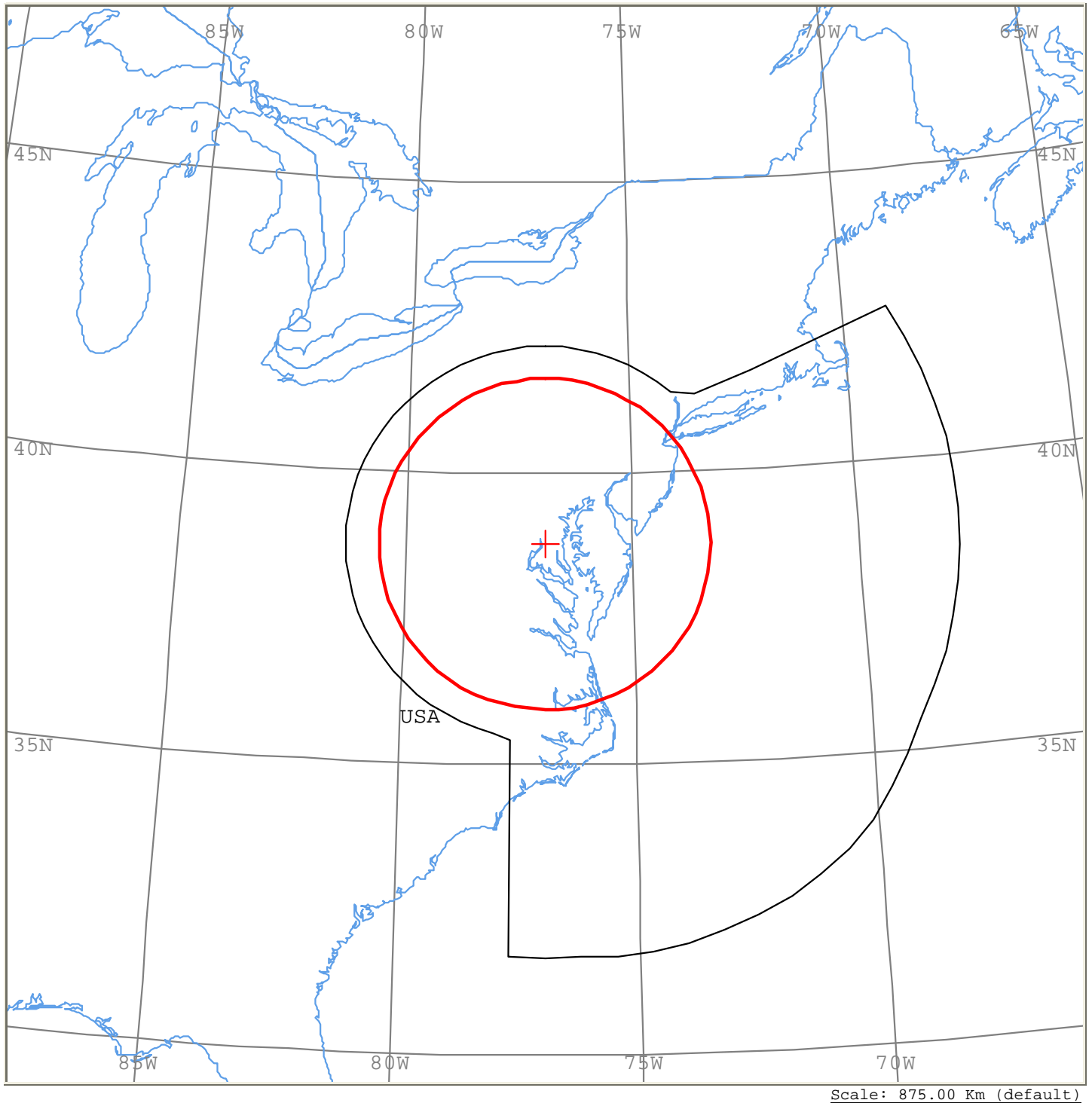
Administration/Geographical area: USA/USA

Earth station position: 076W563638N4814

Satellite orbital position: -53.00

Satellite name: INTELSAT IS-707

Frequency band: 3700.00-4200.00 MHz




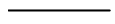

-  ES position
-  Main Model1
-  Main Mode2

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: 1 EARTH STATION NAME: WASHINGTON DC 0.60M EARTH STATION POSITION: 076W563638N4814 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL\_ZONE: K  
 SATELLITE\_NAME: INTELSAT IS-707 SATELLITE ORBITAL POSITION: -53.00 DEG  
 ANTENNA\_AZIMUTH: 144.68 DEG ANTENNA ELEVATION: 38.64 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	129.6	126.5	123.3	119.9	116.4	112.8	109.0	105.2	101.4	97.5	93.7	89.7	85.8	82.0	78.1	74.3	70.5	66.8	63.2	59.6	56.3	53.0	50.0	47.3
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	-9.9
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377
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MODE 2	0.0 DEG	316	316	316	316	316	316	316	316	317	317	317	317	317	317	318	318	318	318	318	318	318	318	319	319
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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	44.8	42.7	40.9	39.7	38.9	38.6	38.9	39.8	41.1	42.9	45.1	47.6	50.4	53.5	56.7	60.1	63.6	67.2	71.0	74.8	78.6	82.5	86.3	90.3
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-9.3	-8.7	-8.3	-8.0	-7.7	-7.7	-7.8	-8.0	-8.4	-8.8	-9.4	-9.9	-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	803	811	823	824	825	824	820	817	813	808	802	795	795	795	383	377	377	377	377	378	379	379	379	379
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MODE 2	0.0 DEG	319	319	319	319	319	319	319	319	319	319	319	319	319	318	318	318	318	318	318	318	318	317	317	317
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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	94.2	98.0	101.9	105.7	109.5	113.2	116.8	120.4	123.7	127.0	130.0	132.7	135.2	137.3	139.1	140.3	141.1	141.4	141.1	140.2	138.9	137.1	134.9	132.4
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	379	379	379	379	380	380	380	380	380	379	379	379	379	379	379	377	377	377	377	377	377	377	377	377
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MODE 2	0.0 DEG	317	317	317	316	316	316	316	316	316	316	316	316	316	315	315	315	315	315	315	315	315	315	315	316
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PROBABLY AFFECTED COUNTRIES: