

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: 4

Earth station name: HOUSTON 0.60M

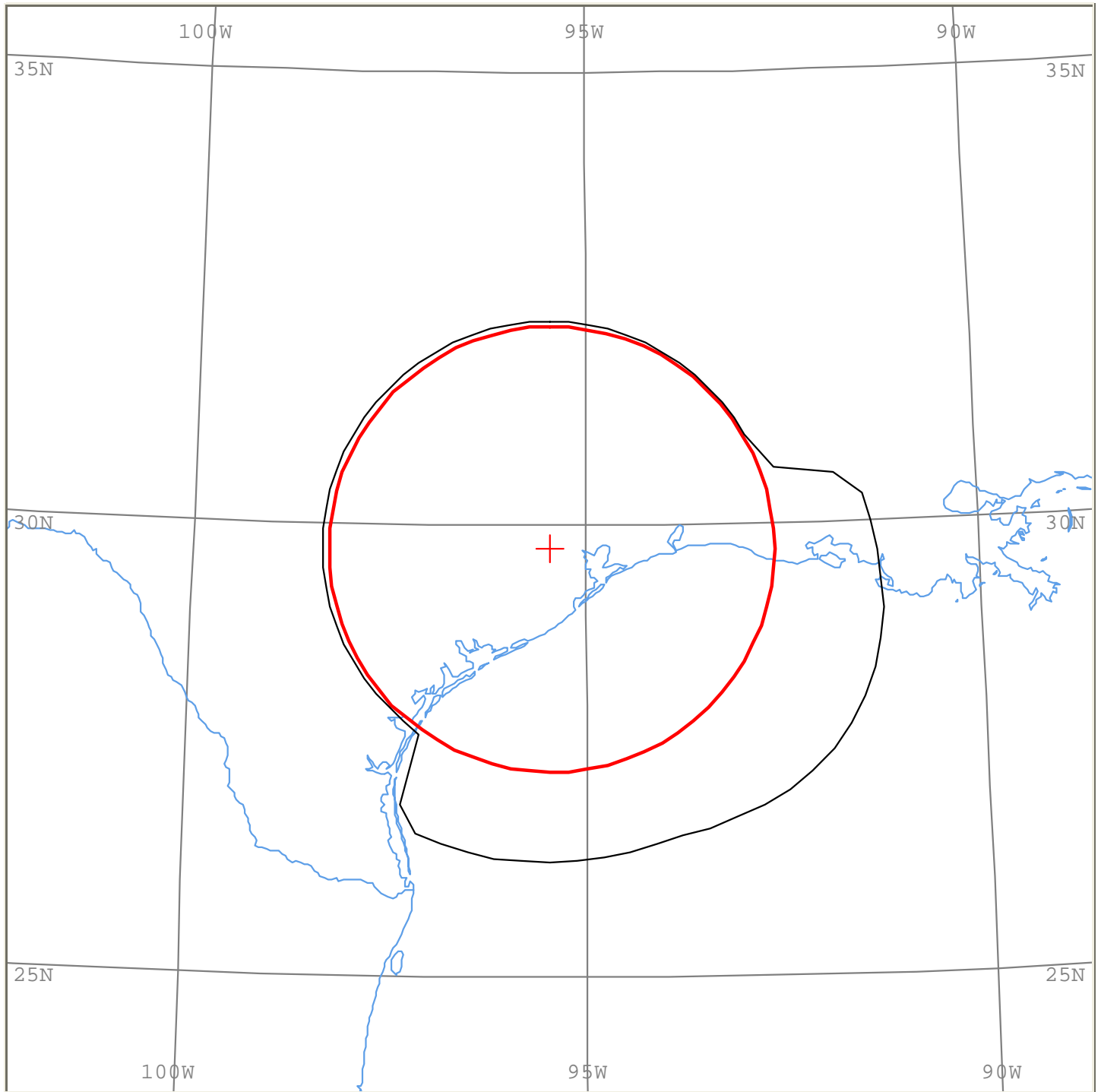
Administration/Geographical area: USA/USA

Earth station position: 095W282529N4458

Satellite orbital position: -53.00

Satellite name: INTELSAT IS-707

Frequency band: 5925.00-6425.00 MHz



Scale: 480.00 Km (default)


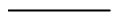

-  ES position
-  Main Model1
-  Main Mode2

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: 4 EARTH STATION NAME: HOUSTON 0.60M EARTH STATION POSITION: 095W282529N4458 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL\_ZONE: M  
 SATELLITE\_NAME: INTELSAT IS-707 SATELLITE ORBITAL POSITION: -53.00 DEG  
 ANTENNA AZIMUTH: 118.46 DEG ANTENNA ELEVATION: 32.50 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	113.7	109.6	105.5	101.3	97.1	92.9	88.7	84.5	80.3	76.1	72.0	67.9	63.8	59.9	56.0	52.3	48.7	45.3	42.1	39.3	36.9	34.9	33.5	32.7
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	-9.4	-8.6	-7.9	-7.2	-6.6	-6.1	-5.9
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	278	278	278	278	278	278	278	278	278	278	278	278	283	294	362	390	396	403	410	418	423	427	430
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MODE 2	0.0 DEG	272	272	272	273	273	273	274	274	274	275	275	275	275	276	276	276	276	277	277	277	277	277	277
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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	32.5	33.1	34.3	36.1	38.3	41.0	44.0	47.3	50.9	54.5	58.4	62.3	66.3	70.4	74.5	78.7	82.9	87.1	91.3	95.5	99.7	103.9	108.0	112.1
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-5.8	-6.0	-6.4	-6.9	-7.6	-8.3	-9.1	-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	-10.0	-10.0	-10.0	-10.0
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	430	428	424	419	412	404	397	389	387	387	387	387	387	387	388	388	388	388	365	279	278	278	278
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MODE 2	0.0 DEG	277	277	277	277	277	277	277	276	276	276	276	276	275	275	275	274	274	274	273	273	273	273	272	272
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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	116.2	120.1	124.0	127.7	131.3	134.7	137.9	140.7	143.1	145.1	146.5	147.3	147.5	146.9	145.7	143.9	141.7	139.0	136.0	132.7	129.1	125.5	121.6	117.7
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	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278
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MODE 2	0.0 DEG	272	271	271	271	271	271	270	270	270	270	270	270	270	270	270	270	270	270	271	271	271	271	271
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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: 4

Earth station name: HOUSTON 0.60M

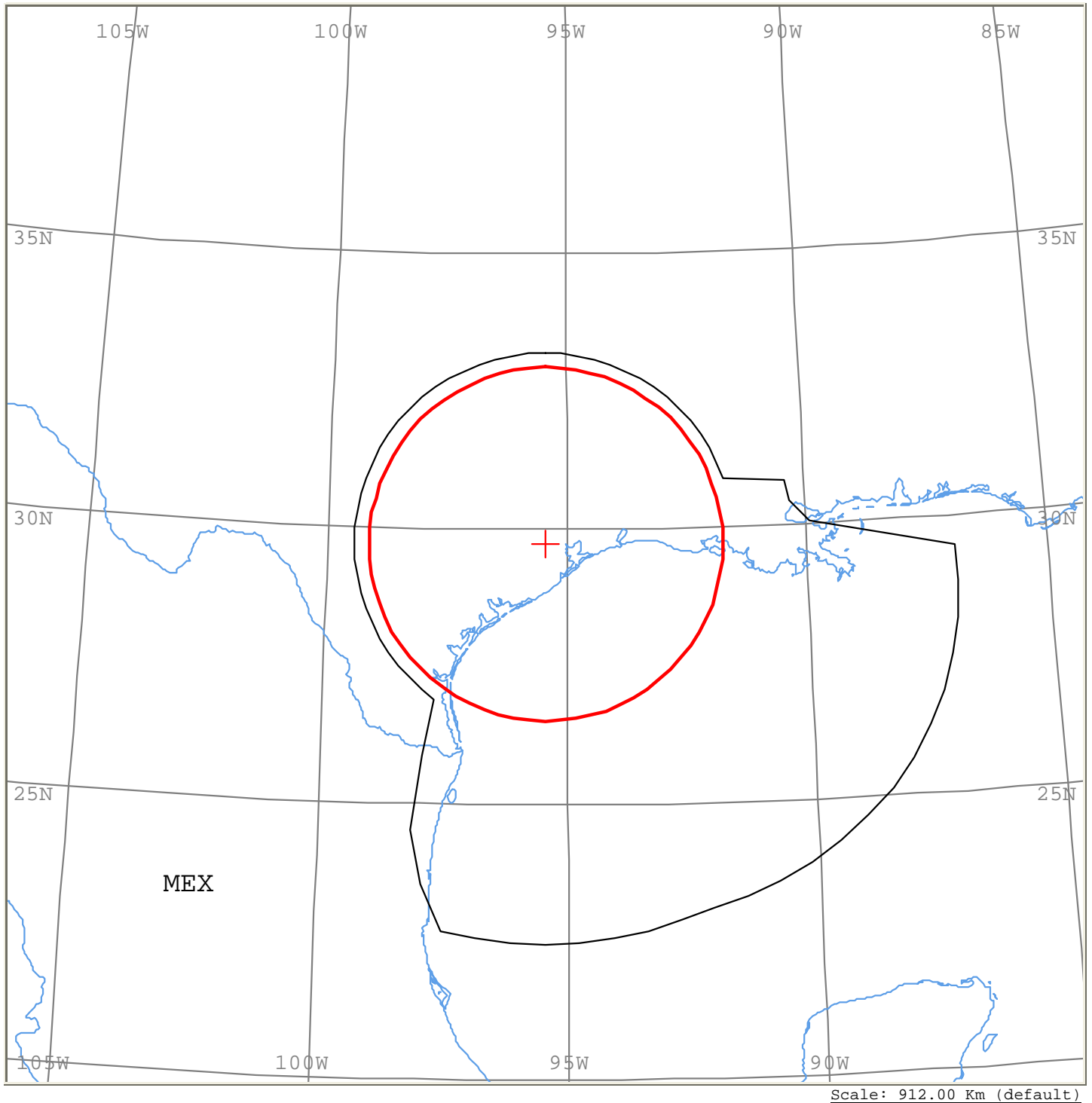
Administration/Geographical area: USA/USA

Earth station position: 095W282529N4458

Satellite orbital position: -53.00

Satellite name: INTELSAT IS-707

Frequency band: 3700.00-4200.00 MHz




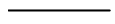

-  ES position
-  Main Model
-  Main Mode2

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: 4 EARTH STATION NAME: HOUSTON 0.60M EARTH STATION POSITION: 095W282529N4458 PHASE: D  
 ADM/GEO\_AREA: USA/USA RAIN CLIMATICAL\_ZONE: M  
 SATELLITE\_NAME: INTELSAT IS-707 SATELLITE ORBITAL POSITION: -53.00 DEG  
 ANTENNA AZIMUTH: 118.46 DEG ANTENNA ELEVATION: 32.50 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	113.7	109.6	105.5	101.3	97.1	92.9	88.7	84.5	80.3	76.1	72.0	67.9	63.8	59.9	56.0	52.3	48.7	45.3	42.1	39.3	36.9	34.9	33.5	32.7
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	-9.4	-8.6	-7.9	-7.2	-6.6	-6.1	-5.9
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	500	500	537	829	838	846	854	859	862
MODE 2	0.0 DEG	355	356	356	356	356	357	357	357	357	358	358	358	358	359	359	359	359	360	360	360	360	360	360	360	360

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	32.5	33.1	34.3	36.1	38.3	41.0	44.0	47.3	50.9	54.5	58.4	62.3	66.3	70.4	74.5	78.7	82.9	87.1	91.3	95.5	99.7	103.9	108.0	112.1
HOR.ELEV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOR.CORR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANT.GAIN	-5.8	-6.0	-6.4	-6.9	-7.6	-8.3	-9.1	-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	-10.0	-10.0	-10.0	-10.0
COORDINATION DISTANCE (KM)																								

MODE 1	0.0 DB	861	859	854	848	840	830	821	811	810	810	810	810	810	810	810	810	731	640	496	387	385	384	384	384
MODE 2	0.0 DEG	360	360	360	360	360	360	360	360	360	360	359	359	359	359	358	358	358	357	357	357	357	356	356	355

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	116.2	120.1	124.0	127.7	131.3	134.7	137.9	140.7	143.1	145.1	146.5	147.3	147.5	146.9	145.7	143.9	141.7	139.0	136.0	132.7	129.1	125.5	121.6	117.7
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	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
MODE 2	0.0 DEG	355	355	355	354	354	354	354	354	354	353	353	353	353	353	353	354	354	354	354	354	354	354	355	355

PROBABLY AFFECTED COUNTRIES: MEX