

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

Administration/Geographical area: USA/USA

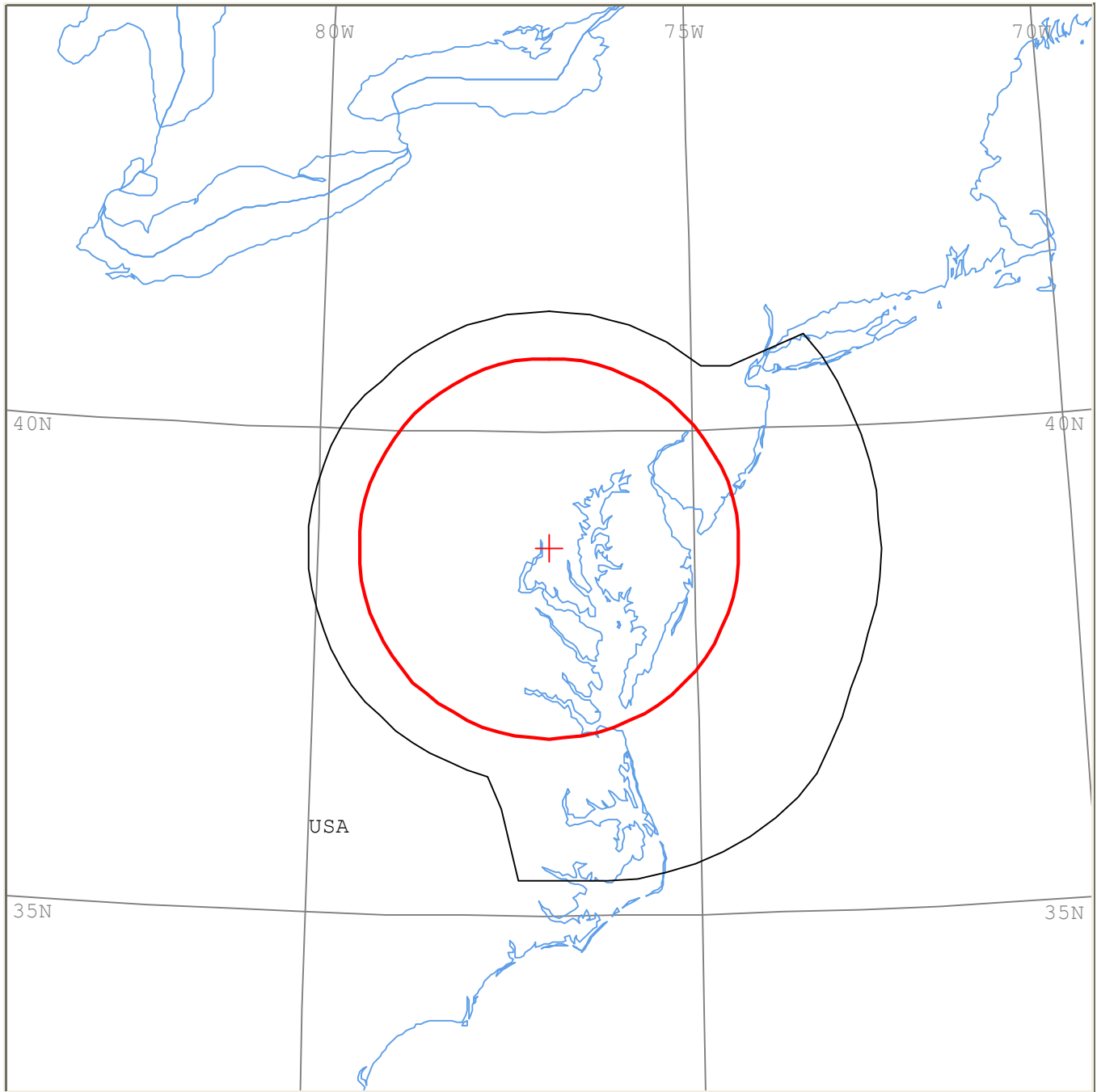
Satellite orbital position: -53.00

Frequency band: 5950.00-6450.00 MHz

Earth station name: WASHINGTON DC 0.60M

Earth station position: 076W563638N4814

Satellite name: INTELSAT IS-707



Scale: 456.00 Km (default)


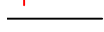

-  ES position
-  Main Mode1
-  Main Mode2

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
MODE 2																								
0.0 DEG	217	217	217	217	217	217	218	218	218	218	218	218	218	219	219	219	219	219	219	219	220	220	220	220

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
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

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
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

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

Administration/Geographical area: USA/USA

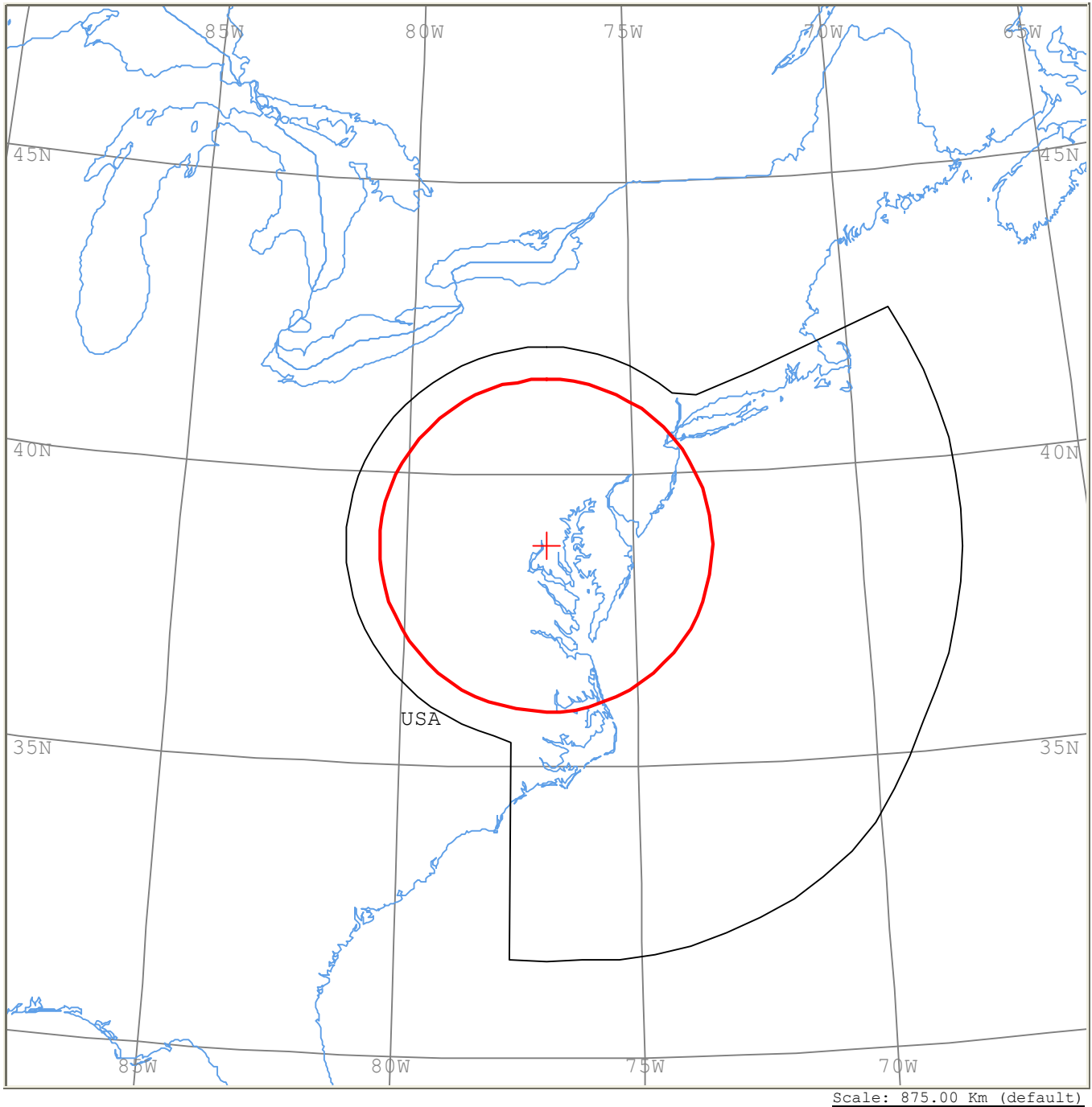
Satellite orbital position: -53.00

Frequency band: 3700.00-4200.00 MHz

Earth station name: WASHINGTON DC 0.60M

Earth station position: 076W563638N4814

Satellite name: INTELSAT IS-707






-  ES position
-  Main Mode1
-  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	404	515	795	794	794	794	794	794	794	794	794	794	794	794	795
MODE 2																								
0.0 DEG	316	316	316	316	316	316	316	316	316	317	317	317	317	317	317	318	318	318	318	318	318	318	318	319

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
MODE 2																								
0.0 DEG	319	319	319	319	319	319	319	319	319	319	319	319	319	319	318	318	318	318	318	318	318	317	317	317

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
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

PROBABLY AFFECTED COUNTRIES: