

Diagram1: 2.1 TABLE7. TRANSMITTING GSOES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS.
TS in FS or MS

Notice ID: 87500999

Administration/Geographical area: MLT/MLT

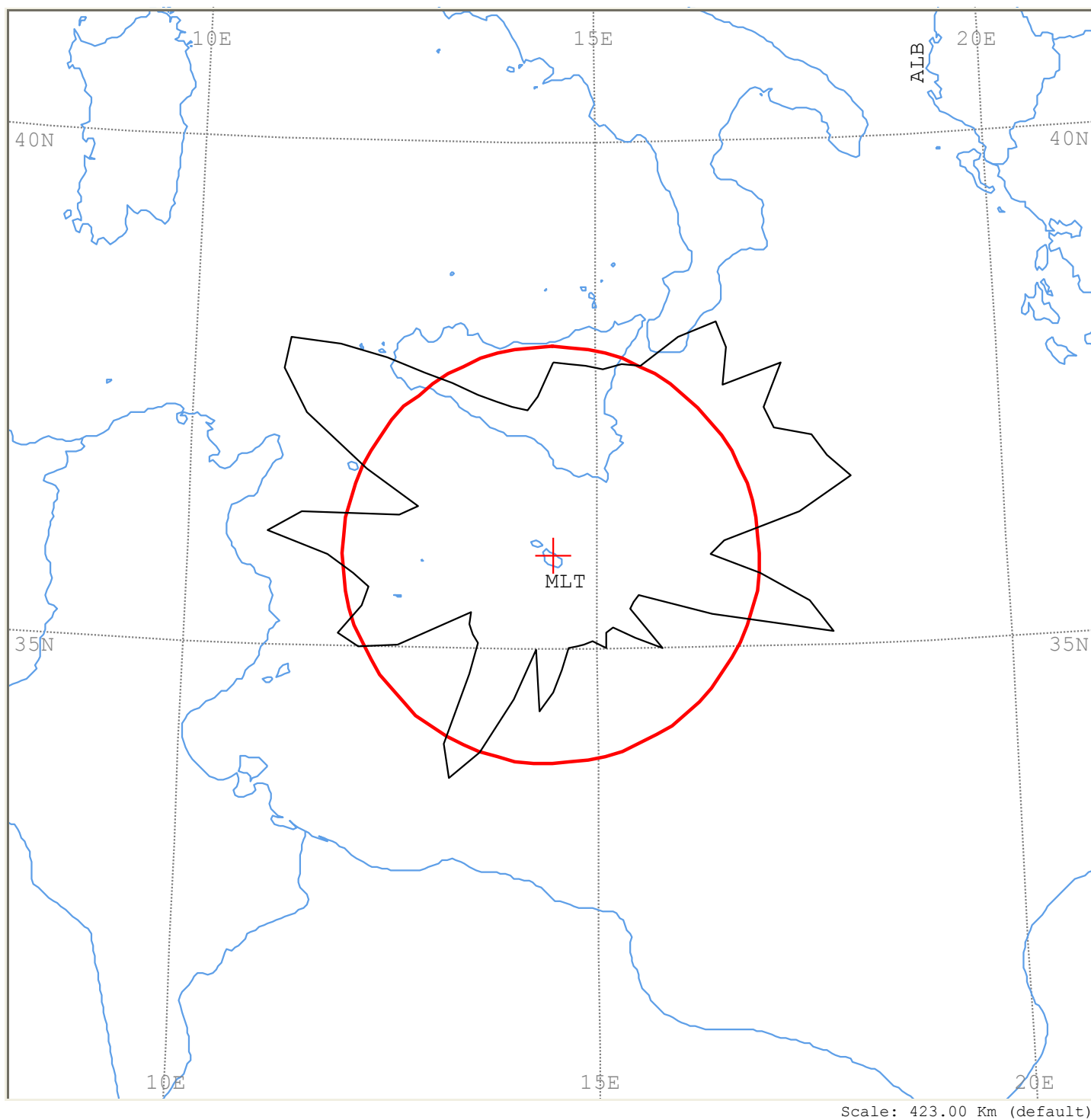
Satellite orbital position: -1.00

Frequency band: 5925.00-6425.00 MHz

Earth station name: MAGTAB

Earth station position: 014E264035N5556

Satellite name: INTELSAT






 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: 87500999 EARTH STATION NAME: MAGTAB EARTH STATION POSITION: 014E264035N5556 PHASE: N
ADM/GEO_AREA: MLT/MLT RAIN CLIMATICAL_ZONE: K
SATELLITE_NAME: INTELSAT SATELLITE_ORBITAL_POSITION: -1.00 DEG
ANTENNA_AZIMUTH: 205.21 DEG ANTENNA_ELEVATION: 45.19 DEG
FREQUENCY_BAND: 5925.00-6425.00 MHZ ASSIGNED_FREQUENCY: 6175.00 MHZ PERCENTAGE_OF_TIME: 0.0050 %
MAXIMUM_ANTENNA_GAIN: 63.0 DBI MAXIMUM_POWER_DENSITY: -33.0 DBW/HZ NOISE_TEMPERATURE: - K
ANTENNA_PATTERN: APERR_001V01
2.1_TABLE7 Model: PLM_DUCTING

TRANSMISSION LOSS MODE 1: 180.0 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)
TRANSMISSION LOSS MODE 2: 134.0 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	129.3	131.1	132.6	133.6	134.3	134.6	134.4	133.8	132.7	131.2	129.6	127.4	125.1	122.6	119.9	117.0	113.7	110.1	106.7	103.7	100.5	97.1	93.1	88.2
HOR.ELEV.	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.1	0.3	0.9	1.0	0.6	0.3	0.2	0.8	2.7
HOR.CORR.	13.3	13.3	13.3	13.2	12.2	11.2	10.6	10.6	12.2	15.5	9.2	13.6	13.8	10.6	9.9	8.0	13.8	22.2	23.7	18.4	12.3	9.2	21.9	32.7
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	211	211	211	212	223	230	277	313	297	264	328	284	281	314	321	340	276	189	174	229	288	320	187	104
MODE 2																								
0.0 DEG	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	229	229	229	229	229

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	84.3	81.9	78.9	75.2	71.0	67.8	65.1	61.4	58.2	55.9	53.3	51.2	49.4	47.7	45.4	45.1	44.9	44.9	44.9	44.9	45.6	47.0	48.8	50.8
HOR.ELEV.	3.2	1.8	1.0	1.4	2.5	2.3	1.5	2.3	2.5	1.8	1.8	1.4	1.1	0.9	1.8	1.0	0.5	0.3	0.5	1.1	1.5	1.5	1.5	1.7
HOR.CORR.	33.2	29.6	23.9	26.9	32.5	32.3	27.7	32.3	32.5	30.1	29.5	27.1	24.7	22.7	29.8	24.0	17.6	13.8	16.6	24.6	27.7	27.7	28.1	28.8
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	-9.4	-9.3	-9.3	-9.3	-9.3	-9.3	-9.5	-9.8	-10.0
COORDINATION DISTANCE (KM)																								
MODE 1																								
0.0 DB	104	104	158	128	104	104	119	104	104	104	104	127	151	172	105	165	231	270	240	160	126	123	118	110
MODE 2																								
0.0 DEG	229	229	229	230	230	230	230	230	230	230	230	230	230	231	231	231	231	231	231	231	231	231	230	230

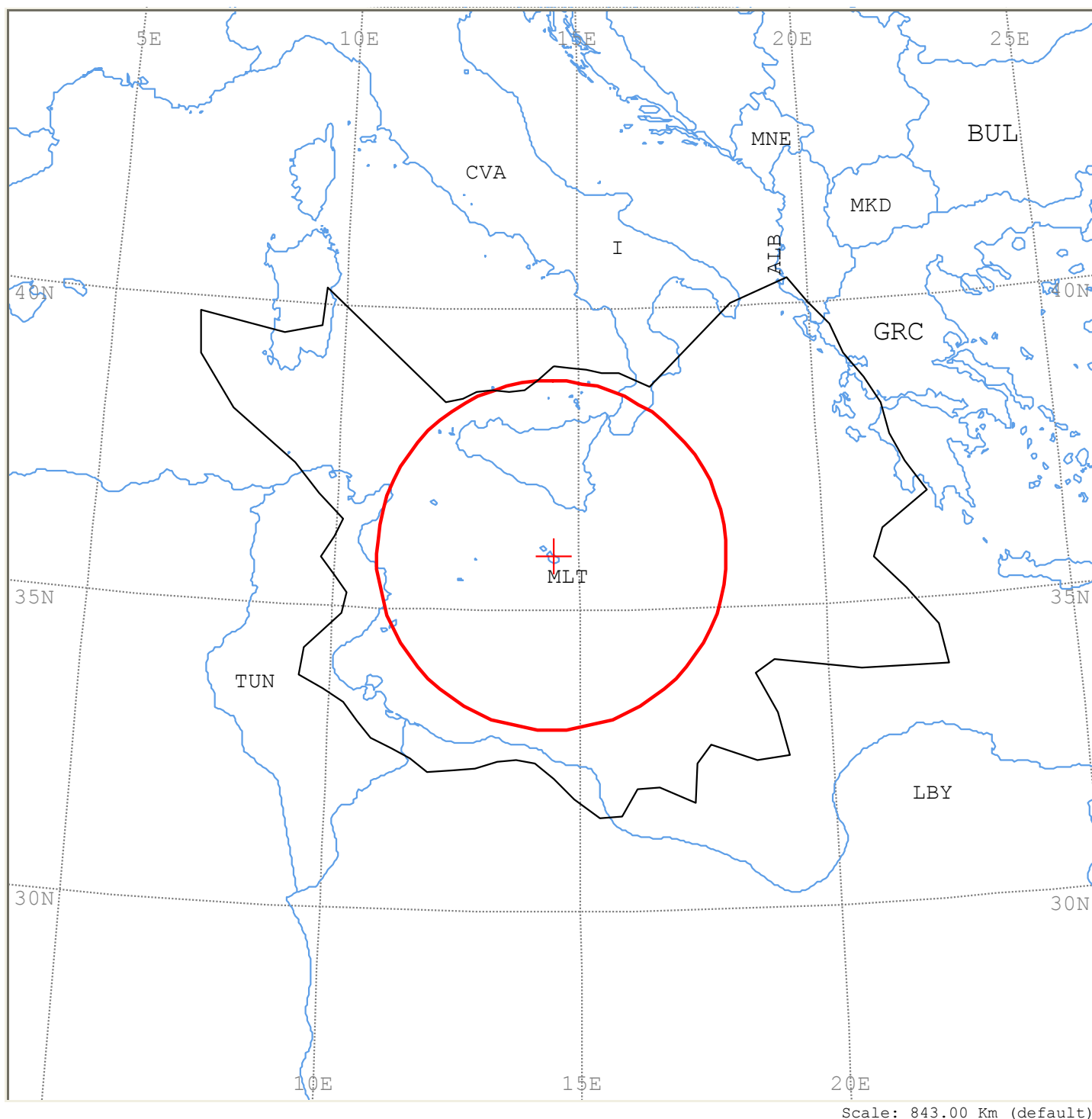
AZIMUTH	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
OFF-AXIS	54.0	56.8	59.7	62.5	65.5	68.8	72.2	75.8	79.2	82.2	85.6	89.5	93.3	96.8	100.3	103.7	107.0	110.2	113.3	116.4	119.3	121.8	124.3	127.0
HOR.ELEV.	0.7	0.4	0.4	0.6	0.7	0.6	0.4	0.2	0.3	0.9	1.1	0.5	0.2	0.1	0.0	0.1	0.3	0.4	0.5	0.5	0.6	0.9	1.0	0.6
HOR.CORR.	20.2	16.4	15.1	18.5	19.7	18.2	15.5	8.8	12.3	22.6	24.3	17.8	9.2	4.6	3.3	8.4	12.3	15.7	17.3	17.3	19.1	22.7	23.2	19.3
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	197	236	251	216	205	219	248	315	279	174	157	224	312	360	373	328	283	245	218	194	179	169	161	175
MODE 2																								
0.0 DEG	230	230	230	230	230	230	230	230	229	229	229	229	229	229	229	229	228	228	228	228	228	228	228	228

PROBABLY AFFECTED COUNTRIES: I

Diagram2: 2.1 TABLE8. RECEIVING GSOES in FIXED-SATELLITE SERVICE W.R.T. TRANSMITTING TERRESTRIAL STATIONS.
TS in FS or MS

Notice ID: 87500999
Administration/Geographical area: MLT/MLT
Satellite orbital position: -1.00
Frequency band: 3700.00-4200.00 MHz

Earth station name: MAGTAB
Earth station position: 014E264035N5556
Satellite name: INTELSAT






 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: 87500999 EARTH STATION NAME: MAGTAB EARTH STATION POSITION: 014E264035N5556 PHASE: N
ADM/GEO_AREA: MLT/MLT RAIN CLIMATICAL_ZONE: K
SATELLITE_NAME: INTELSAT SATELLITE_ORBITAL_POSITION: -1.00 DEG
ANTENNA_AZIMUTH: 205.21 DEG ANTENNA_ELEVATION: 45.19 DEG
FREQUENCY_BAND: 3700.00-4200.00 MHZ ASSIGNED_FREQUENCY: 3950.00 MHZ PERCENTAGE_OF_TIME: 0.0017 %
MAXIMUM_ANTENNA_GAIN: 59.3 DBI MAXIMUM_POWER_DENSITY: - DBW/HZ NOISE_TEMPERATURE: 100.0 K
ANTENNA_PATTERN: APERR_001V01
2.1_TABLE8 Model: PLM_DUCTING

TRANSMISSION LOSS MODE 1: 204.9 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)
TRANSMISSION LOSS MODE 2: 162.9 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	129.3	131.1	132.6	133.6	134.3	134.6	134.4	133.8	132.7	131.2	129.6	127.4	125.1	122.6	119.9	117.0	113.7	110.1	106.7	103.7	100.5	97.1	93.1	88.2
HOR.ELEV.	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.1	0.3	0.9	1.0	0.6	0.3	0.2	0.8	2.7
HOR.CORR.	11.8	11.8	11.8	11.6	10.8	9.8	9.2	9.2	10.8	13.8	8.0	12.0	12.2	9.2	8.6	6.9	12.2	20.2	21.7	16.6	10.8	8.0	19.9	32.2
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	349	349	349	350	357	359	359	569	672	663	665	655	661	668	662	672	700	611	593	656	724	759	608	453
MODE 2																								
0.0 DEG	321	321	321	321	321	321	321	321	321	321	321	321	322	322	322	322	322	322	322	322	322	323	323	323

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	84.3	81.9	78.9	75.2	71.0	67.8	65.1	61.4	58.2	55.9	53.3	51.2	49.4	47.7	45.4	45.1	44.9	44.9	44.9	44.9	45.6	47.0	48.8	50.8
HOR.ELEV.	3.2	1.8	1.0	1.4	2.5	2.3	1.5	2.3	2.5	1.8	1.8	1.4	1.1	0.9	1.8	1.0	0.5	0.3	0.5	1.1	1.5	1.5	1.5	1.7
HOR.CORR.	33.2	27.3	21.9	24.8	31.3	30.3	25.5	30.1	31.1	27.8	27.3	24.9	22.6	20.8	27.5	22.0	15.9	12.2	14.9	22.5	25.5	25.5	25.9	26.6
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	-9.4	-9.3	-9.3	-9.3	-9.3	-9.3	-9.5	-9.8	-10.0
COORDINATION DISTANCE (KM)																								
MODE 1																								
0.0 DB	433	506	572	536	455	467	526	471	458	499	494	453	413	386	384	394	419	438	463	459	464	477	474	471
MODE 2																								
0.0 DEG	323	323	323	323	323	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324

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	54.0	56.8	59.7	62.5	65.5	68.8	72.2	75.8	79.2	82.2	85.6	89.5	93.3	96.8	100.3	103.7	107.0	110.2	113.3	116.4	119.3	121.8	124.3	127.0
HOR.ELEV.	0.7	0.4	0.4	0.6	0.7	0.6	0.4	0.2	0.3	0.9	1.1	0.5	0.2	0.1	0.0	0.1	0.3	0.4	0.5	0.5	0.6	0.9	1.0	0.6
HOR.CORR.	18.3	14.7	13.5	16.7	17.8	16.5	13.8	7.6	10.8	20.7	22.3	16.0	8.0	3.8	2.7	7.3	10.8	14.0	15.6	15.6	17.3	20.8	21.2	17.5
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	490	519	491	405	386	405	427	404	392	447	507	649	749	793	644	603	646	347	334	334	326	311	309	326
MODE 2																								
0.0 DEG	324	324	324	324	324	324	323	323	323	323	323	323	323	323	322	322	322	322	322	322	322	322	322	321

PROBABLY AFFECTED COUNTRIES: ALB GRC I LBY TUN