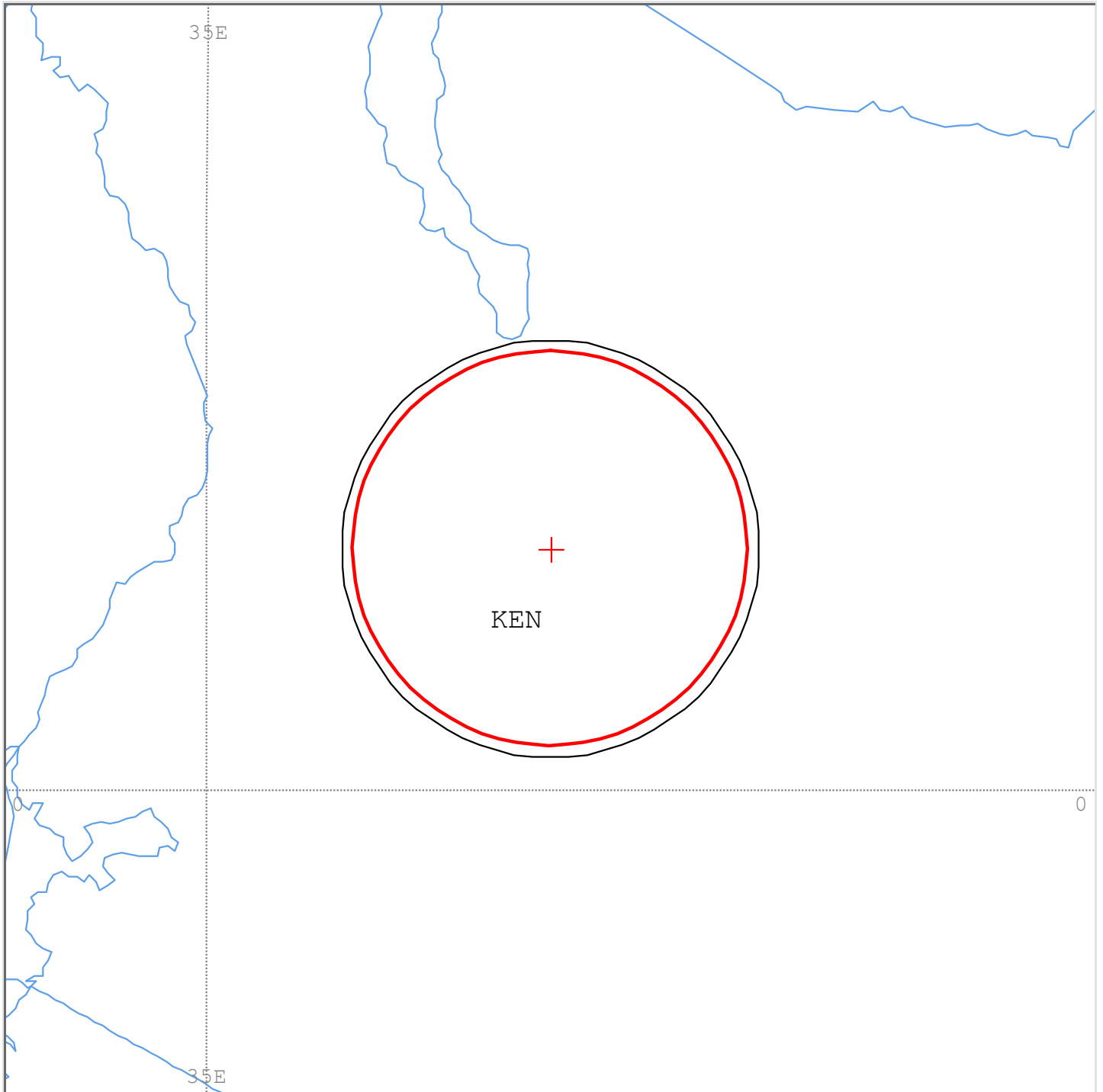


Diagram 1: 2.1 TABLE7. TRANSMITTING GSO ES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS. TS: fixed, mobile

Notice ID: 118505001
Administration/Geographical area: KEN/KEN
Satellite orbital position: 33.00
Frequency band: 14037.50-14047.50 MHz

Earth station name: NAIROBI_AFRALTI
Earth station position: 036E490001N1659
Satellite name: INTELSAT7 33E



Scale: 323.00 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: fixed, mobile

NOTICE ID: 118505001 EARTH STATION NAME: NAIROBI_AFRALTI EARTH STATION POSITION: 036E490001N1659 PHASE: N
 ADM/GEO_AREA: KEN/KEN RAIN CLIMATICAL_ZONE: J
 SATELLITE_NAME: INTELSAT7_33E SATELLITE_ORBITAL_POSITION: 33.00 DEG
 ANTENNA_AZIMUTH: 251.45 DEG ANTENNA_ELEVATION: 85.26 DEG
 FREQUENCY_BAND: 14037.50-14047.50 MHZ ASSIGNED_FREQUENCY: 14042.50 MHZ PERCENTAGE_OF_TIME: 0.0050 %
 MAXIMUM_ANTENNA_GAIN: 44.0 DBI MAXIMUM_POWER_DENSITY: -52.5 DBW/HZ NOISE_TEMPERATURE: - K
 ANTENNA_PATTERN: APEREC015V01
 2.1_TABLE7 Model: PLM_DUCTING

TRANSMISSION LOSS MODE 1: 163.5 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)
 TRANSMISSION LOSS MODE 2: 111.5 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	91.5	91.9	92.3	92.6	93.0	93.3	93.6	93.8	94.0	94.2	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.6	94.5	94.3	94.2	94.0	93.7	93.4
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	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
MODE 2																								
0.0 DEG	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

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	93.1	92.8	92.5	92.1	91.7	91.3	90.9	90.5	90.1	89.7	89.3	88.9	88.5	88.1	87.7	87.4	87.0	86.7	86.4	86.2	86.0	85.8	85.6	85.5
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	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
MODE 2																								
0.0 DEG	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

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	85.4	85.3	85.3	85.3	85.3	85.4	85.5	85.7	85.8	86.0	86.3	86.6	86.9	87.2	87.5	87.9	88.3	88.7	89.1	89.5	89.9	90.3	90.7	91.1
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	-10.0
COORDINATION DISTANCE (KM)																								
MODE 1																								
0.0 DB	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
MODE 2																								
0.0 DEG	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

PROBABLY AFFECTED COUNTRIES:

Diagram 2: 2.1_TABLE7. TRANSMITTING GSO ES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS. TS: radiolocation, radionavigation (land only)

Notice ID: 118505001

Administration/Geographical area: KEN/KEN

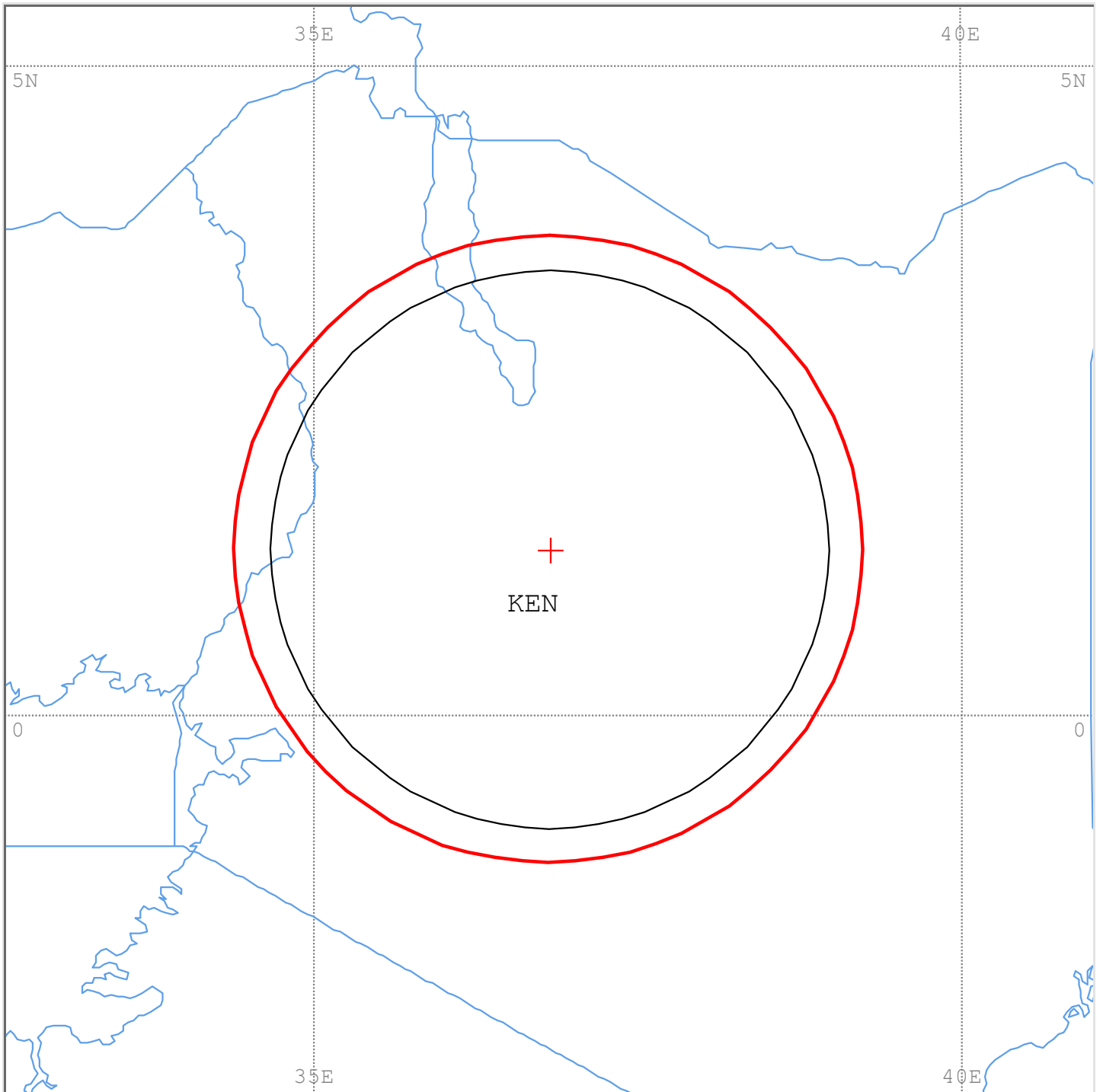
Satellite orbital position: 33.00

Frequency band: 14037.50-14047.50 MHz

Earth station name: NAIROBI_AFRALTI

Earth station position: 036E490001N1659

Satellite name: INTELSAT7 33E



- + ES position
- Main Model
- Main Mode2

Diagram 2: 2.1_TABLE7. TRANSMITTING GSO ES in FIXED-SATELLITE SERVICE W.R.T. RECEIVING TERRESTRIAL STATIONS. TS: radiolocation, radionavigation (land only)

NOTICE ID: 118505001 EARTH STATION NAME: NAIROBI_AFRALTI EARTH STATION POSITION: 036E490001N1659 PHASE: N
 ADM/GEO_AREA: KEN/KEN RAIN CLIMATICAL_ZONE: J
 SATELLITE_NAME: INTELSAT7_33E SATELLITE_ORBITAL_POSITION: 33.00 DEG
 ANTENNA_AZIMUTH: 251.45 DEG ANTENNA_ELEVATION: 85.26 DEG
 FREQUENCY_BAND: 14037.50-14047.50 MHZ ASSIGNED_FREQUENCY: 14042.50 MHZ PERCENTAGE_OF_TIME: 0.0100 %
 MAXIMUM_ANTENNA_GAIN: 44.0 DBI MAXIMUM_POWER_DENSITY: -52.5 DBW/HZ NOISE_TEMPERATURE: - K
 ANTENNA_PATTERN: APEREC015V01
 2.1_TABLE7 Model: PLM_DUCTING

TRANSMISSION LOSS MODE 1: 184.5 DB (DOES NOT INCLUDE HOR. CORR. AND ANT. GAIN)
 TRANSMISSION LOSS MODE 2: 148.5 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	91.5	91.9	92.3	92.6	93.0	93.3	93.6	93.8	94.0	94.2	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.6	94.5	94.3	94.2	94.0	93.7	93.4
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	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
MODE 2																								
0.0 DEG	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269

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	93.1	92.8	92.5	92.1	91.7	91.3	90.9	90.5	90.1	89.7	89.3	88.9	88.5	88.1	87.7	87.4	87.0	86.7	86.4	86.2	86.0	85.8	85.6	85.5
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	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
MODE 2																								
0.0 DEG	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	270	270	270	270	270	270	270	270

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	85.4	85.3	85.3	85.3	85.3	85.4	85.5	85.7	85.8	86.0	86.3	86.6	86.9	87.2	87.5	87.9	88.3	88.7	89.1	89.5	89.9	90.3	90.7	91.1
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	-10.0
COORDINATION DISTANCE (KM)																								
MODE 1																								
0.0 DB	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
MODE 2																								
0.0 DEG	270	270	270	270	270	270	270	270	270	270	270	270	270	270	269	269	269	269	269	269	269	269	269	269

PROBABLY AFFECTED COUNTRIES: UGA