

File Number: **DRAFT-SAT-LOA-20260727-00312**

Call Sign:

S1. Satellite Information

a. Space Station or Satellite Network Name	b. Orbit Type	c. Estimated Operational Lifetime of Space Station(s) From Date of Launch (yrs)	d. Will the space station(s) operate on a Common Carrier basis?	e. Application Description
SXM-12	Geostationary (GSO)	20	No	SXM-12, a replacement satellite for FM-5

S2. Operating Frequency Bands

a. Type of Service	b. If a. is Other, provide a service description	c. Satellite Frequency Band (MHz)	d. Satellite Frequency (Lower Band Edge) (MHz)	e. Satellite Frequency (Upper Band Edge) (MHz)	f. Direction of Transmission	g. Non Conforming Indicator
SDARS		2320 - 2345	2320	2345	Space-to-Earth (Transmit)	No
OTHER: Other Satellite Service	WCS-C	Other	2315	2320	Space-to-Earth (Transmit)	Yes
OTHER: Other Satellite Service	WCS-D	Other	2345	2350	Space-to-Earth (Transmit)	Yes
OTHER: Other Satellite Service	Uplink	Other	7025	7075	Earth-to-Space (Receive)	No
OTHER: Other Satellite Service	C-Band Orbit Raising	Other	6422	6425	Earth-to-Space (Receive)	No
OTHER: Other Satellite Service	C-Band Orbit Raising	Other	4196	4198.5	Space-to-Earth (Transmit)	No
OTHER: Other Satellite Service	Full SDARS + WCS	Other	2315	2350	Space-to-Earth (Transmit)	No

S3. GSO Orbital Information

a. Orbital Longitude (°)	b. Hemisphere of Orbital Longitude (E/W)	c. East/West Station-Keeping Range: Toward East (°)	d. East/West Station-Keeping Range: Toward West (°)	e. North/South Station-Keeping Range: Toward North (°)	f. North/South Station-Keeping Range: Toward South (°)	g. Maximum Orbital Eccentricity	h. Antenna Axis Attitude Accuracy: Roll (°)	i. Antenna Axis Attitude Accuracy: Pitch (°)	j. Antenna Axis Attitude Accuracy: Yaw (°)
115.25	West	0.05	0.05	0.05	0.05		0.1	0.1	0.1

S4. Earth-to-Space (Receive) Beams

a. Beam ID:	OMC1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	-100
b. Beam Frequency (Lower Band Edge) (MHz):	6422	o. Peak Isotropic Antenna Gain (dBi):	2.6
c. Beam Frequency (Upper Band Edge) (MHz):	6425	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	LHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	Yes	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:	

j. Maximum G/T (dB/K):	-36.1	w. What information will be provided with the predicted antenna gain contours?:				
k. Minimum G/T (dB/K):						
l. Maximum Saturation Flux Density (dBW/m²):						
m. Minimum Saturation Flux Density (dBW/m²):						
x. Receive Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
CMC1		6422.5			TT&C	
CMC2		6424.5			TT&C	

a. Beam ID:	OSC1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	-113			
b. Beam Frequency (Lower Band Edge) (MHz):	7025	o. Peak Isotropic Antenna Gain (dBi):	21.3			
c. Beam Frequency (Upper Band Edge) (MHz):	7075	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):				
d. Polarization:	LHCP	q. Antenna Pointing Error (°):	0.1			
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):				
f. Is this a command beam? (Check box if Yes):	Yes	s. Will a GIMS container file containing all antenna contour data be provided?:				
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:				
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:				
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:				
j. Maximum G/T (dB/K):	-22.3	w. What information will be provided with the predicted antenna gain contours?:				
k. Minimum G/T (dB/K):						
l. Maximum Saturation Flux Density (dBW/m²):						
m. Minimum Saturation Flux Density (dBW/m²):						
x. Receive Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
CMX1		7037			TT&C	
U001		7064.015			Feeder Link	
U002		7061.555			Feeder Link	
U003		7066.005			Feeder Link	
U004		7068.395			Feeder Link	
U005		7062.293			Feeder Link	
CMX2		7043			TT&C	
U006		7070.207			Feeder Link	

a. Beam ID:	OMX1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	-100
b. Beam Frequency (Lower Band Edge) (MHz):	7025	o. Peak Isotropic Antenna Gain (dBi):	3
c. Beam Frequency (Upper Band Edge) (MHz):	7075	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	LHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	Yes	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	

i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:
j. Maximum G/T (dB/K):	-36.4	w. What information will be provided with the predicted antenna gain contours?:
k. Minimum G/T (dB/K):		
l. Maximum Saturation Flux Density (dBW/m²):		
m. Minimum Saturation Flux Density (dBW/m²):		

x. Receive Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
CMX1		7037			TT&C	
U001		7064.015			Feeder Link	
U002		7061.555			Feeder Link	
U003		7066.005			Feeder Link	
U004		7068.395			Feeder Link	
U005		7062.293			Feeder Link	
CMX2		7043			TT&C	
U006		7070.207			Feeder Link	

a. Beam ID:	XU1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	
b. Beam Frequency (Lower Band Edge) (MHz):	7025	o. Peak Isotropic Antenna Gain (dBi):	29.4
c. Beam Frequency (Upper Band Edge) (MHz):	7075	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	RHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:	
j. Maximum G/T (dB/K):	0.8	w. What information will be provided with the predicted antenna gain contours?:	
k. Minimum G/T (dB/K):			
l. Maximum Saturation Flux Density (dBW/m²):			
m. Minimum Saturation Flux Density (dBW/m²):			

x. Receive Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
CMX1	1	7037	7036.5	7037.5	TT&C	
U001	1.84	7064.015	7063.095	7064.935	Feeder Link	
U002	1.84	7061.555	7060.635	7062.475	Feeder Link	
U003	1.84	7066.005	7065.085	7066.925	Feeder Link	
U004	1.84	7068.395	7067.475	7069.315	Feeder Link	
U005	4.5	7062.293	7060.043	7064.543	Feeder Link	
CMX2	1	7043	7042.5	7043.5	TT&C	
U006	4.5	7070.207	7067.957	7072.457	Feeder Link	

S5. Space-to-Earth (Transmit) Beams

a. Beam ID:	OMC2	n. Beam Peak Flux Density at Command Threshold (dBW/m ²):	
b. Beam Frequency (Lower Band Edge) (MHz):	4196	o. Peak Isotropic Antenna Gain (dBi):	4.7
c. Beam Frequency (Upper Band Edge) (MHz):	4198.5	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	RHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:	
j. Maximum Transmit EIRP Density (dBW/Ref BW):	-41.6	w. What information will be provided with the predicted antenna gain contours?:	
k. Maximum Transmit EIRP (dBW):	14.1		

x. Transmit Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
TMC1	0.512	4196.5	4196.244	4196.756	TT&C	
TMC2	0.512	4198	4197.744	4198.256	TT&C	

y. Max. Power-Flux Densities													
			Angles of Arrival PFD						Geographic Region PFD				
(i) Beam Sub-Frequency (Lower Band Edge) (MHz)	(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)	(iii) Reference Bandwidth (BW)	(iv) 0-2° (dBW/m ² /BW)	(v) 2-5° (dBW/m ² /BW)	(vi) 5-15° (dBW/m ² /BW)	(vii) 15-20° (dBW/m ² /BW)	(viii) 20-25° (dBW/m ² /BW)	(ix) 25-90° (dBW/m ² /BW)	(x) Southeastern Region (dBW/m ² /BW)	(xi) Northeastern Region (dBW/m ² /BW)	(xii) Western Region (dBW/m ² /BW)	(xiii) Other Region (dBW/m ² /BW)	(xiv) Energy Dispersal Bandwidth (kHz)
		4 kHz	-169.1	-169.1	-168.6	-168.5	-168.7	-168.4					

a. Beam ID:	OMS1	n. Beam Peak Flux Density at Command Threshold (dBW/m ²):	
b. Beam Frequency (Lower Band Edge) (MHz):	2315	o. Peak Isotropic Antenna Gain (dBi):	8
c. Beam Frequency (Upper Band Edge) (MHz):	2350	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	RHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:	
j. Maximum Transmit EIRP Density (dBW/Ref BW):	-43.7	w. What information will be provided with the predicted antenna gain contours?:	
k. Maximum Transmit EIRP (dBW):	12		

x. Transmit Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
TMS1	0.512	2321.1	2320.844	2321.356	TT&C	
TMS2	0.512	2331.5	2331.244	2331.756	TT&C	

y. Max. Power-Flux Densities													
			Angles of Arrival PFD						Geographic Region PFD				
(i) Beam Sub-Frequency (Lower Band Edge) (MHz)	(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)	(iii) Reference Bandwidth (BW)	(iv) 0-2° (dBW/m²/BW)	(v) 2-5° (dBW/m²/BW)	(vi) 5-15° (dBW/m²/BW)	(vii) 15-20° (dBW/m²/BW)	(viii) 20-25° (dBW/m²/BW)	(ix) 25-90° (dBW/m²/BW)	(x) Southeastern Region (dBW/m²/BW)	(xi) Northeastern Region (dBW/m²/BW)	(xii) Western Region (dBW/m²/BW)	(xiii) Other Region (dBW/m²/BW)	(xiv) Energy Dispersal Bandwidth (kHz)
		4 kHz	-171.2	-170.9	-170.7	-170.7	-170.7	-170.6					

a. Beam ID:	SD1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	
b. Beam Frequency (Lower Band Edge) (MHz):	2315	o. Peak Isotropic Antenna Gain (dBi):	35.2
c. Beam Frequency (Upper Band Edge) (MHz):	2350	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	LHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:	
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:	
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:	
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:	
j. Maximum Transmit EIRP Density (dBW/Ref BW):	8	w. What information will be provided with the predicted antenna gain contours?:	
k. Maximum Transmit EIRP (dBW):	74.5		

x. Transmit Channels						
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication
D001	1.84	2333.465	2332.545	2334.385	Service Link	
D002	1.84	2335.305	2334.385	2336.225	Service Link	
D003	1.84	2342.205	2341.285	2343.125	Service Link	
D004	1.84	2344.045	2343.125	2344.965	Service Link	
D005	4.5	2322.293	2320.043	2324.543	Service Link	
D006	4.5	2330.207	2327.957	2332.457	Service Link	
D007	1.84	2348	2347.08	2348.92	Service Link	
D008	1.84	2317.5	2316.58	2318.42	Service Link	

y. Max. Power-Flux Densities													
			Angles of Arrival PFD						Geographic Region PFD				
(i) Beam Sub-Frequency (Lower Band Edge) (MHz)	(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)	(iii) Reference Bandwidth (BW)	(iv) 0-2° (dBW/m²/BW)	(v) 2-5° (dBW/m²/BW)	(vi) 5-15° (dBW/m²/BW)	(vii) 15-20° (dBW/m²/BW)	(viii) 20-25° (dBW/m²/BW)	(ix) 25-90° (dBW/m²/BW)	(x) Southeastern Region (dBW/m²/BW)	(xi) Northeastern Region (dBW/m²/BW)	(xii) Western Region (dBW/m²/BW)	(xiii) Other Region (dBW/m²/BW)	(xiv) Energy Dispersal Bandwidth (kHz)
		4 kHz	-119.5	-116.3	-108.6	-105.5	-99.3	-90.9					

a. Beam ID:	OST1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):	
b. Beam Frequency (Lower Band Edge) (MHz):	2315	o. Peak Isotropic Antenna Gain (dBi):	33.6
c. Beam Frequency (Upper Band Edge) (MHz):	2350	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):	
d. Polarization:	RHCP	q. Antenna Pointing Error (°):	0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):	
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:	

g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:
h. Is the beam steerable? (Check box if Yes):	No	u. Provide a list of each orbital plane in which this antenna beam is used.:
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:
j. Maximum Transmit EIRP Density (dBW/Ref BW):	-22.2	w. What information will be provided with the predicted antenna gain contours?:
k. Maximum Transmit EIRP (dBW):	33.6	

x. Transmit Channels													
(i) Channel ID		(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)		(iv) Channel Frequency (Lower Band Edge) (MHz)		(v) Channel Frequency (Upper Band Edge) (MHz)		(vi) Channel Type		(vii) Point of Communication		
TMS1		0.512	2321.1		2320.844		2321.356		TT&C				
TMS2		0.512	2331.5		2331.244		2331.756		TT&C				
y. Max. Power-Flux Densities													
			Angles of Arrival PFD						Geographic Region PFD				
(i) Beam Sub-Frequency (Lower Band Edge) (MHz)	(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)	(iii) Reference Bandwidth (BW)	(iv) 0-2° (dBW/m²/BW)	(v) 2-5° (dBW/m²/BW)	(vi) 5-15° (dBW/m²/BW)	(vii) 15-20° (dBW/m²/BW)	(viii) 20-25° (dBW/m²/BW)	(ix) 25-90° (dBW/m²/BW)	(x) Southeastern Region (dBW/m²/BW)	(xi) Northeastern Region (dBW/m²/BW)	(xii) Western Region (dBW/m²/BW)	(xiii) Other Region (dBW/m²/BW)	(xiv) Energy Dispersal Bandwidth (kHz)
		4 kHz	-149.6	-142.2	-141.9	-134.7	-132.8	-124.3					

a. Beam ID:	TB1	n. Beam Peak Flux Density at Command Threshold (dBW/m²):
b. Beam Frequency (Lower Band Edge) (MHz):	2315	o. Peak Isotropic Antenna Gain (dBi): 29
c. Beam Frequency (Upper Band Edge) (MHz):	2350	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi):
d. Polarization:	LHCP	q. Antenna Pointing Error (°): 0.1
e. Can the space station vary the channel bandwidth with on-board processing?:	No	r. Antenna Rotational Error (°):
f. Is this a command beam? (Check box if Yes):	No	s. Will a GIMS container file containing all antenna contour data be provided?:
g. Is the beam shapeable? (Check box if Yes):	No	t. Under what rules will the associated antenna contours be submitted?:
h. Is the beam steerable? (Check box if Yes):	Yes	u. Provide a list of each orbital plane in which this antenna beam is used.:
i. Is the beam fed into transponders? (Check box if Yes):	No	v. Are all space stations in the NGSO constellation identical?:
j. Maximum Transmit EIRP Density (dBW/Ref BW):	-10.9	w. What information will be provided with the predicted antenna gain contours?:
k. Maximum Transmit EIRP (dBW):	55.6	

x. Transmit Channels													
(i) Channel ID	(ii) Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Band Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)	(vi) Channel Type	(vii) Point of Communication							
D004	1.84	2344.045	2343.125	2344.965	Service Link								
D005	4.5	2322.293	2320.043	2324.543	Service Link								
D006	4.5	2330.207	2327.957	2332.457	Service Link								
D007	1.84	2348	2347.08	2348.92	Service Link								
D008	1.84	2317.5	2316.58	2318.42	Service Link								
D001	1.84	2333.465	2332.545	2334.385	Service Link								
D002	1.84	2335.305	2334.385	2336.225	Service Link								
D003	1.84	2342.205	2341.285	2343.125	Service Link								

y. Max. Power-Flux Densities													
			Angles of Arrival PFD						Geographic Region PFD				
(i) Beam Sub-Frequency	(ii) Beam Sub-Frequency	(iii) Reference Bandwidth	(iv) 0-2° (dBW/m²/BW)	(v) 2-5° (dBW/m²/BW)	(vi) 5-15° (dBW/m²/BW)	(vii) 15-20° (dBW/m²/BW)	(viii) 20-25° (dBW/m²/BW)	(ix) 25-90° (dBW/m²/BW)	(x) Southeastern	(xi) Northeastern	(xii) Western Region	(xiii) Other Region	(xiv) Energy Dispersal

(Lower Band Edge) (MHz)	(Upper Band Edge) (MHz)	(BW)							Region (dBW/m ² /BW)	Region (dBW/m ² /BW)	(dBW/m ² /BW)	(dBW/m ² /BW)	Bandwidth (kHz)
		4 kHz	-138.4	-136.9	-132.6	-129.7	-128.7	-126.3					

S6. Space-to-Space (Receive) Beams

S7. Space-to-Space (Transmit) Beams

S8. Attachments

Beam ID	Direction of Transmission	(i) Document Type	(ii) If Document Type is "Other", provide short description	(iii) File Name
OSC1	Earth-to-Space (Receive)	Receive Antenna Gain Contour Diagram		SXM12_OSC1_86W.gxt
OST1	Space-to-Earth (Transmit)	Transmit Antenna Gain Contour Diagram		SXM12_OST1_86W.gxt
SD1	Space-to-Earth (Transmit)	Transmit Antenna Gain Contour Diagram		SXM12_SD1_86W.gxt
TB1	Space-to-Earth (Transmit)	Transmit Antenna Gain Contour Diagram		SXM12_TB1_86W.gxt
XU1	Earth-to-Space (Receive)	Receive Antenna Gain Contour Diagram		SXM12_XU1_86W.gxt