Approved by OMB 3060-0678
Estimated Burden: up to 80 hours
April 2016

Federal Communications Commission

312 File Number: **SATPPL2021010800005**

Filing Description

Question	Response
Description	The F1 satellite network will consist of a geostationary satellite at 109.2 WL and associated earth station facilities. It has one Ku-band beam covering the southeastern USA, the Caribbean, and Central America.

Satellite Information

Question	Response
Select Orbit Type	GSO
Space Station or Satellite Network Name	Anik F1
Estimated Lifetime of Satellite(s) From Date of Launch	3 Years
Will the space station(s) operate on a Common Carrier basis?	No

Operating Frequency Bands (2)

Nature of service	Description	Frequency Band(s)	Mode Type
Fixed-Satellite Service		11700.0 MHz -12200.0 MHz	Transmit
Fixed-Satellite Service		14000.0 MHz -14500.0 MHz	Receive

Orbital Information For Geostationary Satellites

Section	Question	Response
Orbital Longitude Information	Orbital Longitude	109.0 degrees
	Hemisphere of Orbital Longitude	W
Longitudinal Tolerance or East /West Station-Keeping	Toward West	0.1 degrees
	Toward East	0.1 degrees
Inclination Excursion or North /South Station-Keeping Tolerance	Inclination Excursion or North /South Station-Keeping Tolerance	2.7 degrees
Antenna Axis Attitude Accuracy	Roll	0.1 degrees
	Pitch	0.1 degrees
	Yaw	0.1 degrees

Receiving Beams 1:

Question	Response
Beam ID	K18S
Receive Beam Frequency	14044.75 MHz -14071.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-99.5 dBW/m2
Max. Saturation Flux Density	-66.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 2:

Question	Response
Beam ID	K19S
Receive Beam Frequency	14075.25 MHz -14102.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees

Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 3:

Question	Response
Beam ID	K20S
Receive Beam Frequency	14105.75 MHz -14132.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.9 dB/K
Min. Saturation Flux Density	-101.8 dBW/m2
Max. Saturation Flux Density	-68.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 4:

Question	Response
Beam ID	K21S
Receive Beam Frequency	14136.25 MHz -14163.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-66.2 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 5:

Question	Response
Beam ID	K22S
Receive Beam Frequency	14166.75 MHz -14193.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.7 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 6:

Question	Response
Beam ID	K23S
Receive Beam Frequency	14197.25 MHz -14224.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.4 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 7:

Question	Response

Beam ID	K24S
Receive Beam Frequency	14227.75 MHz -14254.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.9 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 8:

Question	Response
Beam ID	K25S
Receive Beam Frequency	14258.25 MHz -14285.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees

G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-101.8 dBW/m2
Max. Saturation Flux Density	-68.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 9:

Question	Response
Beam ID	K26S
Receive Beam Frequency	14288.75 MHz -14315.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-101.6 dBW/m2
Max. Saturation Flux Density	-68.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 10:

Question	Response
Beam ID	K27S

Receive Beam Frequency	14319.25 MHz -14346.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-66.6 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 11:

Question	Response
Beam ID	K28S
Receive Beam Frequency	14349.75 MHz -14376.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K

Min. Saturation Flux Density	-101.1 dBW/m2
Max. Saturation Flux Density	-67.6 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 12:

Question	Response
Beam ID	K29S
Receive Beam Frequency	14380.25 MHz -14407.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-99.0 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 13:

Question	Response
Beam ID	K30S
Receive Beam Frequency	14410.75 MHz -14437.75 MHz

Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-98.6 dBW/m2
Max. Saturation Flux Density	-65.7 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 14:

Question	Response
Beam ID	K31S
Receive Beam Frequency	14441.25 MHz -14468.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2

Max. Saturation Flux Density	-66.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 15:

Question	Response
Beam ID	K32S
Receive Beam Frequency	14471.75 MHz -14498.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.9 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 16:

Question	Response
Beam ID	CMD
Receive Beam Frequency	14498.75 MHz -14499.75 MHz
Beam Type	Fixed

Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	-32.5 dB/K
Min. Saturation Flux Density	-0.01 dBW/m2
Max. Saturation Flux Density	0.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam CM. Note: This is an uplink-only CMD carrier, so max/min SFD is N/A. Please disregard above values (entered to pass form error check)

Receiving Beams 17:

Question	Response
Beam ID	K01S
Receive Beam Frequency	14001.25 MHz -14028.25 MHz
Beam Type	Fixed
Polarization	V

Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-98.5 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 18:

Question	Response
Beam ID	K02S
Receive Beam Frequency	14031.75 MHz -14058.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-99.5 dBW/m2
Max. Saturation Flux Density	-66.8 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 19:

Question	Response
Beam ID	K03S
Receive Beam Frequency	14062.25 MHz -14089.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 20:

Question	Response
Beam ID	K04S
Receive Beam Frequency	14092.75 MHz -14119.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.9 dB/K
Min. Saturation Flux Density	-101.8 dBW/m2
Max. Saturation Flux Density	-68.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 21:

Question	Response
Beam ID	K05S
Receive Beam Frequency	14123.25 MHz -14150.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-66.2 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 22:

Question	Response
Beam ID	K06S
Receive Beam Frequency	14153.75 MHz -14180.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.7 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 23:

Question	Response
Beam ID	K07S
Receive Beam Frequency	14184.25 MHz -14211.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-100.4 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 24:

Question	Response
Beam ID	K08S
Receive Beam Frequency	14214.75 MHz -14241.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.9 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 25:

Question	Response
Beam ID	K09S
Receive Beam Frequency	14245.25 MHz -14272.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-101.8 dBW/m2
Max. Saturation Flux Density	-68.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 26:

Question	Response
Beam ID	K10S
Receive Beam Frequency	14275.25 MHz -14302.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-101.6 dBW/m2
Max. Saturation Flux Density	-68.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 27:

Question	Response
Beam ID	K11S
Receive Beam Frequency	14306.25 MHz -14333.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-66.6 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 28:

Question	Response
Beam ID	K12S
Receive Beam Frequency	14336.75 MHz -14363.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-101.1 dBW/m2
Max. Saturation Flux Density	-67.6 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 29:

Question	Response
Beam ID	K13S
Receive Beam Frequency	14367.25 MHz -14394.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-99.0 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 30:

Question	Response
Beam ID	K14S
Receive Beam Frequency	14397.75 MHz -14424.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.7 dB/K
Min. Saturation Flux Density	-98.6 dBW/m2
Max. Saturation Flux Density	-65.7 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 31:

Question	Response
Beam ID	K15S
Receive Beam Frequency	14428.25 MHz -14455.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-66.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 32:

Question	Response
Beam ID	K16S
Receive Beam Frequency	14458.75 MHz -14485.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.6 dB/K
Min. Saturation Flux Density	-100.9 dBW/m2
Max. Saturation Flux Density	-67.3 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Beams 33:

Question	Response
Beam ID	K17S
Receive Beam Frequency	14014.25 MHz -14041.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	3.8 dB/K
Min. Saturation Flux Density	-98.5 dBW/m2
Max. Saturation Flux Density	-66.4 dBW/m2
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUR.

Receiving Channels (33)

Channel ID	Channel Bandwidth (MHz)	Center Frequency s (MHz)	Feeder Link, Service Link or TT&C
K23S	27.0	14210.75	Feeder Link
K13S	27.0	14380.75	Feeder Link
K12S	27.0	14350.25	Feeder Link
K11S	27.0	14319.75	Feeder Link
K10S	27.0	14289.25	Feeder Link
K09S	27.0	14258.75	Feeder Link
K08S	27.0	14228.25	Feeder Link
K07S	27.0	14197.75	Feeder Link
K06S	27.0	14167.25	Feeder Link
K05S	27.0	14136.75	Feeder Link
K04S	27.0	14106.25	Feeder Link
K03S	27.0	14075.75	Feeder Link
K02S	27.0	14045.25	Feeder Link
K01S	27.0	14014.75	Feeder Link
K19S	27.0	14088.75	Feeder Link
K29S	27.0	14393.75	Feeder Link
K28S	27.0	14363.25	Feeder Link
K16S	27.0	14472.25	Feeder Link
K15S	27.0	14441.75	Feeder Link
K14S	27.0	14411.25	Feeder Link
K30S	27.0	14424.25	Feeder Link
CMD	1.0	14499.25	TT&C
K24S	27.0	14241.25	Feeder Link
K25S	27.0	14271.75	Feeder Link

K26S	27.0	14302.25	Feeder Link
K27S	27.0	14332.75	Feeder Link
K31S	27.0	14454.75	Feeder Link
K32S	27.0	14485.25	Feeder Link
K18S	27.0	14058.25	Feeder Link
K20S	27.0	14119.25	Feeder Link
K21S	27.0	14149.75	Feeder Link
K22S	27.0	14180.25	Feeder Link
K17S	27.0	14027.75	Feeder Link

Transmitting Beams 1:

Question	Response
Beam ID	T17S
Transmit Beam Frequency	11714.25 MHz -11741.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.1 degrees
Max. Transmit EIRP Density	-22.7 dBW/Hz
Max. Transmit EIRP	50.1 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 2:

Question	Response
Beam ID	T18S
Transmit Beam Frequency	11744.75 MHz -11771.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees

Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.8 dBW/Hz
Max. Transmit EIRP	50.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 3:

Question	Response
Beam ID	T19S
Transmit Beam Frequency	11775.25 MHz -11802.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.5 dBW/Hz
Max. Transmit EIRP	50.4 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 4:

Question	Response
Beam ID	T20S
Transmit Beam Frequency	11805.75 MHz -11832.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.4 dBW/Hz
Max. Transmit EIRP	50.5 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 5:

Question	Response
Beam ID	T21S
Transmit Beam Frequency	11836.25 MHz -11863.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees

Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.9 dBW/Hz
Max. Transmit EIRP	49.9 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 6:

Question	Response
Beam ID	T22S
Transmit Beam Frequency	11866.75 MHz -11893.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 7:

Question	Response
Beam ID	T23S
Transmit Beam Frequency	11897.25 MHz -11924.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.9 dBW/Hz
Max. Transmit EIRP	50.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 8:

Question	Response
Beam ID	T24S
Transmit Beam Frequency	11927.75 MHz -11954.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.0 dBW/Hz
Max. Transmit EIRP	50.9 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 9:

Question	Response
Beam ID	T25S
Transmit Beam Frequency	11958.25 MHz -11985.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 10:

Question	Response
Beam ID	T26S
Transmit Beam Frequency	11988.75 MHz -12015.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-21.8 dBW/Hz
Max. Transmit EIRP	51.1 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 11:

Question	Response
Beam ID	T27S
Transmit Beam Frequency	12019.25 MHz -12046.25 MHz
Beam Type	Fixed

Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 12:

Question	Response
Beam ID	T28S
Transmit Beam Frequency	12049.75 MHz -12076.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-21.6 dBW/Hz
Max. Transmit EIRP	51.3 dBW

Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 13:

Question	Response
Beam ID	T29S
Transmit Beam Frequency	12080.25 MHz -12107.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-23.1 dBW/Hz
Max. Transmit EIRP	49.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 14:

Question	Response
Beam ID	T30S
Transmit Beam Frequency	12110.75 MHz -12137.75 MHz

Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-23.6 dBW/Hz
Max. Transmit EIRP	49.2 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 15:

Question	Response
Beam ID	T31S
Transmit Beam Frequency	12141.25 MHz -12168.25 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.6 dBW/Hz

Max. Transmit EIRP	50.2 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 16:

Question	Response
Beam ID	T32S
Transmit Beam Frequency	12171.75 MHz -12198.75 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.2 dBW/Hz
Max. Transmit EIRP	50.7 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Receive Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 17:

Question	Response
Beam ID	TM1

Transmit Beam Frequency	11700.1 MHz -11700.4 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.1 degrees
Max. Transmit EIRP Density	-39.7 dBW/Hz
Max. Transmit EIRP	15.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit beam TM.

Max. Power Flux Density

Information not provided.

Transmitting Beams 18:

Question	Response
Beam ID	TM2
Transmit Beam Frequency	11700.6 MHz -11700.9 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees

Max. Transmit EIRP Density	-39.7 dBW/Hz
Max. Transmit EIRP	15.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit beam TM.

Max. Power Flux Density

Information not provided.

Transmitting Beams 19:

Question	Response
Beam ID	T01S
Transmit Beam Frequency	11701.25 MHz -11728.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.7 dBW/Hz
Max. Transmit EIRP	50.1 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 20:

Question	Response

Beam ID	T02S
Transmit Beam Frequency	11731.75 MHz -11758.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.8 dBW/Hz
Max. Transmit EIRP	50.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 21:

Question	Response
Beam ID	T03S
Transmit Beam Frequency	11762.25 MHz -11789.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.5 dBW/Hz
Max. Transmit EIRP	50.4 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 22:

Question	Response
Beam ID	T04S
Transmit Beam Frequency	11792.75 MHz -11819.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.4 dBW/Hz
Max. Transmit EIRP	50.5 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 23:

Question	Response
Beam ID	T05S
Transmit Beam Frequency	11823.25 MHz -11850.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.9 dBW/Hz
Max. Transmit EIRP	49.9 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 24:

Question	Response
Beam ID	T06S
Transmit Beam Frequency	11853.75 MHz -11880.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees

Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 25:

Question	Response
Beam ID	T07S
Transmit Beam Frequency	11884.25 MHz -11911.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.9 dBW/Hz
Max. Transmit EIRP	50.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 26:

Question	Response
Beam ID	T08S
Transmit Beam Frequency	11914.75 MHz -11941.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.0 dBW/Hz
Max. Transmit EIRP	50.9 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 27:

Question	Response
Beam ID	T09S
Transmit Beam Frequency	11945.25 MHz -11972.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees

Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 28:

Question	Response
Beam ID	T10S
Transmit Beam Frequency	11975.75 MHz -12002.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-21.8 dBW/Hz
Max. Transmit EIRP	51.1 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 29:

Question	Response
Beam ID	T11S
Transmit Beam Frequency	12006.25 MHz -12033.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.1 dBW/Hz
Max. Transmit EIRP	50.8 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 30:

Question	Response
Beam ID	T12S
Transmit Beam Frequency	12036.75 MHz -12063.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi

Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-21.6 dBW/Hz
Max. Transmit EIRP	51.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 31:

Question	Response
Beam ID	T13S
Transmit Beam Frequency	12067.25 MHz -12094.25 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-23.1 dBW/Hz
Max. Transmit EIRP	49.8 dBW
Co- or Cross Polar Mode	C

Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 32:

Question	Response
Beam ID	T14S
Transmit Beam Frequency	12097.75 MHz -12124.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-23.6 dBW/Hz
Max. Transmit EIRP	49.2 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 33:

Question	Response
Beam ID	T15S
Transmit Beam Frequency	12128.25 MHz -12155.25 MHz
Beam Type	Fixed

Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.6 dBW/Hz
Max. Transmit EIRP	50.2 dBW
Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Beams 34:

Question	Response
Beam ID	T16S
Transmit Beam Frequency	12158.75 MHz -12185.75 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.1 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	9.0 degrees
Max. Transmit EIRP Density	-22.2 dBW/Hz
Max. Transmit EIRP	50.7 dBW

Co- or Cross Polar Mode	C
Service Area Description	In the attached GIMS file GIMS_DB_F1.mdb, please see the Transmit Beam KUD.

Max. Power Flux Density

Information not provided.

Transmitting Channels (34)

Channel ID	Channel Bandwidth (MHz)	Center Frequency s (MHz)	Feeder Link, Service Link or TT&C
T16S	27.0	12172.25	Service Link
T15S	27.0	12141.75	Service Link
T14S	27.0	12111.25	Service Link
T13S	27.0	12080.75	Service Link
T12S	27.0	12050.25	Service Link
T11S	27.0	12019.75	Service Link
T10S	27.0	11989.25	Service Link
T09S	27.0	11958.75	Service Link
T08S	27.0	11928.25	Service Link
T07S	27.0	11897.75	Service Link
T06S	27.0	11867.25	Service Link
T05S	27.0	11836.75	Service Link
T04S	27.0	11806.25	Service Link
T03S	27.0	11775.75	Service Link
T02S	27.0	11745.25	Service Link
T01S	27.0	11714.75	Service Link
T19S	27.0	11788.75	Service Link
T22S	27.0	11880.25	Service Link
T18S	27.0	11758.25	Service Link
T30S	27.0	12124.25	Service Link
T29S	27.0	12093.75	Service Link
T28S	27.0	12063.25	Service Link
T27S	27.0	12032.75	Service Link
T26S	27.0	12002.25	Service Link

T25S	27.0	11971.75	Service Link
T24S	27.0	11941.25	Service Link
T23S	27.0	11910.75	Service Link
T21S	27.0	11849.75	Service Link
T20S	27.0	11819.25	Service Link
TM1	0.3	11700.25	TT&C
TM2	0.3	11700.75	TT&C
T31S	27.0	12154.75	Service Link
T32S	27.0	12185.25	Service Link
T17S	27.0	11727.75	Service Link

Certification Questions

Question	Response
Are the applicable service area coverage requirements of 25.143(b)(2)(ii) and (iii), or 25.144(a)(3)(i), or 25.145(c)(1) and (2), or 25.146(i)(1) and (2), or 25.148(c), or 25.225 met?	N/A
Are the applicable frequency tolerances of 25.202(e) and out-of-band emission limits of 25.202(f)(1),(2), and (3) met?	Yes
Are the cessation of emissions requirements of 25.207 met?	Yes
Are the applicable power-flux-density limits of 25.208 met, and is the appropriate technical showing provided within the application?	
For NGSO applications, are the applicable equivalent-power-flux-density limits of 25.208 met, and is the appropriate technical showing provided within the application?	N/A
Are the applicable full-frequency-reuse requirements of 25.210 met?	No
If the application is for a 17/24 GHz BSS space station, will it be operated at an offset location with full power and interference protection in accordance with 25.262(b)?	

Attachments

File Name	Beam	Field	Attachment Type	Description
GIMS_DB_F1.mdb		GSO Antenna Gain Contour Data	GIMS file (*.mdb)	GIMS file containing F1 GXT files: - CM: Command receive pattern - KUR: Receive pattern for Ku transponders - TM: Telemetry transmit pattern - KUD: Transmit pattern for Ku transponders