



312 File Number: **SATRPL2017092700136**

Filing Description

Question	Response
Description	EUTELSAT 172B

**Satellite
Information**

Question	Response
Select Orbit Type	GSO
Space Station or Satellite Network Name	EUTELSAT 172B
Estimated Lifetime of Satellite(s) From Date of Launch	15 Years
Will the space station(s) operate on a Common Carrier basis?	No

Operating Frequency Bands (11)

Nature of service	Description	Frequency Band(s)	Mode Type
Fixed-Satellite Service		12200.0 MHz -12750.0 MHz	Transmit
Fixed-Satellite Service		5925.0 MHz -6425.0 MHz	Receive
Fixed-Satellite Service		3700.0 MHz -4200.0 MHz	Transmit
Fixed-Satellite Service		14000.0 MHz -14500.0 MHz	Receive
Fixed-Satellite Service		10950.0 MHz -11200.0 MHz	Transmit
Fixed-Satellite Service		11450.0 MHz -11700.0 MHz	Transmit
Fixed-Satellite Service		27500.0 MHz -29150.0 MHz	Receive
Fixed-Satellite Service		13750.0 MHz -14000.0 MHz	Receive
Fixed-Satellite Service		11200.0 MHz -11450.0 MHz	Transmit
Fixed-Satellite Service		13000.0 MHz -13250.0 MHz	Receive
Fixed-Satellite Service		18400.0 MHz -19202.1 MHz	Transmit

Orbital Information For Geostationary Satellites

Section	Question	Response
Orbital Longitude Information	Orbital Longitude	172.0 degrees
	Hemisphere of Orbital Longitude	E
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	0.1 degrees
Antenna Axis Attitude Accuracy	Roll	0.1 degrees
	Pitch	0.1 degrees
	Yaw	0.1 degrees

Receiving Beams 1:

Question	Response
Beam ID	OAUL
Receive Beam Frequency	27500.0 MHz -29150.0 MHz
Beam Type	Fixed
Polarization	LHCP
Peak Gain	48.5 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	19.5 dB/K
Min. Saturation Flux Density	-104.5 dBW/m2
Max. Saturation Flux Density	-77.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	HAWAII, USA

Receiving Beams 2:

Question	Response
Beam ID	OAUR
Receive Beam Frequency	27500.0 MHz -29150.0 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	48.5 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees

Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	19.5 dB/K
Min. Saturation Flux Density	-104.5 dBW/m2
Max. Saturation Flux Density	-77.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	HAWAII, USA

Receiving Beams 3:

Question	Response
Beam ID	NUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	28.79 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	1.52 dB/K
Min. Saturation Flux Density	-93.5 dBW/m2
Max. Saturation Flux Density	-71.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Receiving

Beams 4:

Question	Response
Beam ID	CUH
Receive Beam Frequency	5925.0 MHz -6425.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	28.08 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	No
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	0.58 dB/K
Min. Saturation Flux Density	-96.6 dBW/m2
Max. Saturation Flux Density	-76.6 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving Beams 5:

Question	Response
Beam ID	CUV
Receive Beam Frequency	5925.0 MHz -6425.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.08 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	No

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	0.58 dB/K
Min. Saturation Flux Density	-96.6 dBW/m2
Max. Saturation Flux Density	-76.6 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving Beams 6:

Question	Response
Beam ID	NUV2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.79 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	1.52 dB/K
Min. Saturation Flux Density	-93.5 dBW/m2
Max. Saturation Flux Density	-71.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Receiving Beams 7:

Question	Response
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Beam ID	AUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 8:

Question	Response
Beam ID	NUV1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.79 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	1.52 dB/K
Min. Saturation Flux Density	-93.5 dBW/m2
Max. Saturation Flux Density	-71.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Receiving Beams 9:

Question	Response
Beam ID	NUH1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	28.79 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	1.52 dB/K
Min. Saturation Flux Density	-93.5 dBW/m2
Max. Saturation Flux Density	-71.5 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Receiving Beams 10:

Question	Response
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Beam ID	AUH1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 11:

Question	Response
Beam ID	AUH3
Receive Beam Frequency	13000.0 MHz -13250.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 12:

Question	Response
Beam ID	AUV1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 13:

Question	Response
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Beam ID	AUV2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 14:

Question	Response
Beam ID	AUV3
Receive Beam Frequency	13000.0 MHz -13250.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	38.38 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	11.11 dB/K
Min. Saturation Flux Density	-103.1 dBW/m2
Max. Saturation Flux Density	-81.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Receiving Beams 15:

Question	Response
Beam ID	WUH1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.68 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	2.18 dB/K
Min. Saturation Flux Density	-94.2 dBW/m2
Max. Saturation Flux Density	-72.2 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Receiving Beams 16:

Question	Response
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Beam ID	WUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.68 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	2.18 dB/K
Min. Saturation Flux Density	-94.2 dBW/m2
Max. Saturation Flux Density	-72.2 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Receiving Beams 17:

Question	Response
Beam ID	WUV1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.68 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	2.18 dB/K
Min. Saturation Flux Density	-94.2 dBW/m2
Max. Saturation Flux Density	-72.2 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Receiving Beams 18:

Question	Response
Beam ID	WUV2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.68 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	2.18 dB/K
Min. Saturation Flux Density	-94.2 dBW/m2
Max. Saturation Flux Density	-72.2 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Receiving Beams 19:

Question	Response
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Beam ID	EUH1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.37 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	2.1 dB/K
Min. Saturation Flux Density	-94.1 dBW/m2
Max. Saturation Flux Density	-72.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Receiving Beams 20:

Question	Response
Beam ID	EUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.37 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	2.1 dB/K
Min. Saturation Flux Density	-94.1 dBW/m2
Max. Saturation Flux Density	-72.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Receiving Beams 21:

Question	Response
Beam ID	EUV1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.37 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	2.1 dB/K
Min. Saturation Flux Density	-94.1 dBW/m2
Max. Saturation Flux Density	-72.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Receiving Beams 22:

Question	Response
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Beam ID	EUV2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.37 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	2.1 dB/K
Min. Saturation Flux Density	-94.1 dBW/m2
Max. Saturation Flux Density	-72.1 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Receiving Beams 23:

Question	Response
Beam ID	SUH1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	35.04 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	7.77 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-77.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Receiving Beams 24:

Question	Response
Beam ID	SUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	35.04 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	7.77 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-77.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Receiving Beams 25:

Question	Response
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Beam ID	SUV1
Receive Beam Frequency	13750.0 MHz -14000.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	35.04 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	7.77 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-77.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Receiving Beams 26:

Question	Response
Beam ID	SUV2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	35.04 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
G/T at Max. Gain Point	7.77 dB/K
Min. Saturation Flux Density	-99.8 dBW/m2
Max. Saturation Flux Density	-77.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Receiving Beams 27:

Question	Response
Beam ID	HUH2
Receive Beam Frequency	14000.0 MHz -14500.0 MHz
Beam Type	Spot
Polarization	H
Peak Gain	38.57 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
G/T at Max. Gain Point	13.75 dB/K
Min. Saturation Flux Density	-120.8 dBW/m2
Max. Saturation Flux Density	-100.8 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	North Pacific HTS

Receiving Beams 28:

Question	Response
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Beam ID	TUL
Receive Beam Frequency	14499.5 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	LHCP
Peak Gain	24.0 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	-7.5 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-80.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving Beams 29:

Question	Response
Beam ID	TUR
Receive Beam Frequency	14499.5 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	24.0 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	-7.5 dB/K
Min. Saturation Flux Density	-100.0 dBW/m2
Max. Saturation Flux Density	-80.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving Beams 30:

Question	Response
Beam ID	TULO
Receive Beam Frequency	14499.5 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	LHCP
Peak Gain	9.0 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	-25.8 dB/K
Min. Saturation Flux Density	-85.0 dBW/m2
Max. Saturation Flux Density	-70.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving

Beams 31:

Question	Response
Beam ID	TURO
Receive Beam Frequency	14499.5 MHz -14500.0 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	9.0 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
G/T at Max. Gain Point	-25.8 dB/K
Min. Saturation Flux Density	-85.0 dBW/m2
Max. Saturation Flux Density	-70.0 dBW/m2
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Receiving Channels (72)

Channel ID	Channel Bandwidth (MHz)	Center Frequency s (MHz)	Feeder Link, Service Link or TT&C
TCU	0.4	14499.8	TT&C
CU1	36.0	5945.0	Service Link
GE2U	54.0	28868.75	Feeder Link
GH1U	36.0	28931.0	Feeder Link
CU11	72.0	6285.0	Service Link
GH2U	36.0	28971.0	Feeder Link
GN1U	54.0	28681.25	Feeder Link
GN2U	54.0	28743.75	Feeder Link
CU12	72.0	6305.0	Service Link
B1U	54.0	14031.25	Service Link
B7U	54.0	14218.75	Service Link
D1U	54.0	13781.25	Service Link
D3U	54.0	13843.75	Service Link
CU13	72.0	6365.0	Service Link
GS1U	54.0	28291.25	Feeder Link
GW1U	54.0	29056.25	Feeder Link
C5U	54.0	13156.25	Service Link
C7U	54.0	13218.75	Service Link
G06U	170.0	27590.0	Feeder Link
CU2	36.0	5965.0	Service Link
B3U	54.0	14093.75	Service Link
CU14	72.0	6385.0	Service Link
D7U	54.0	13968.75	Service Link
F1U	36.0	14279.0	Service Link

F2U	36.0	14319.0	Service Link
B5U	54.0	14156.25	Service Link
D5U	54.0	13906.25	Service Link
F6U	36.0	14479.0	Service Link
G01U	170.0	28160.0	Feeder Link
GS2U	54.0	28353.75	Feeder Link
G02U	170.0	28350.0	Feeder Link
G03U	170.0	27780.0	Feeder Link
G04U	170.0	27970.0	Feeder Link
G05U	170.0	28540.0	Feeder Link
G3U	27.0	14333.0	Service Link
G4U	27.0	14363.0	Service Link
R1U	54.0	14218.75	Service Link
R3U	20.0	14261.5	Service Link
R6U	40.0	14321.0	Service Link
CU8	72.0	6145.0	Service Link
CU9	72.0	6205.0	Service Link
G5U	27.0	14393.0	Service Link
CU3	36.0	5985.0	Service Link
CU4	36.0	6005.0	Service Link
CU6	72.0	6065.0	Service Link
CU7	72.0	6125.0	Service Link
G6U	27.0	14423.0	Service Link
G7U	27.0	14453.0	Service Link
G8U	27.0	14483.0	Service Link
GE1U	54.0	28806.25	Feeder Link

GW2U	54.0	29118.75	Feeder Link
C1U	54.0	13031.25	Service Link
C3U	54.0	13093.75	Service Link
F3U	36.0	14359.0	Service Link
F4U	36.0	14399.0	Service Link
F5U	36.0	14439.0	Service Link
R4U	20.0	14284.0	Service Link
CU10	72.0	6225.0	Service Link
R2U	54.0	14156.25	Service Link
G11U	170.0	28160.0	Feeder Link
CU5	72.0	6045.0	Service Link
C8U	54.0	13218.75	Service Link
C6U	54.0	13156.25	Service Link
C4U	54.0	13093.75	Service Link
C2U	54.0	13031.25	Service Link
B4U	54.0	14093.75	Service Link
B2U	54.0	14031.25	Service Link
G10U	170.0	27590.0	Feeder Link
G09U	170.0	27780.0	Feeder Link
G08U	170.0	27970.0	Feeder Link
R5U	20.0	14306.5	Service Link
G07U	170.0	28540.0	Feeder Link

Transmitting Beams 1:

Question	Response
Beam ID	OADR
Transmit Beam Frequency	18400.0 MHz -19200.0 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	44.2 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	-25.9 dBW/Hz
Max. Transmit EIRP	62.5 dBW
Co- or Cross Polar Mode	C
Service Area Description	HAWAII, USA

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
*	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-154.2	-154.1	-153.9	-153.8	-148.7	-128.3

Transmitting Beams 2:

Question	Response
Beam ID	CDH
Transmit Beam Frequency	3700.0 MHz -4200.0 MHz

Beam Type	Fixed
Polarization	H
Peak Gain	27.09 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	No
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-29.92 dBW/Hz
Max. Transmit EIRP	45.65 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-135.3	-135.2	-135.0	-134.9	-134.8	-134.4

Transmitting Beams 3:

Question	Response
Beam ID	CDV
Transmit Beam Frequency	3700.0 MHz -4200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	27.09 dBi
Antenna Pointing Error	0.1 degrees

Antenna Rotational Error	0.4 degrees
Polarization Switchable	No
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-29.92 dBW/Hz
Max. Transmit EIRP	45.65 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-135.3	-135.2	-135.0	-134.9	-134.8	-134.4

Transmitting Beams 4:

Question	Response
Beam ID	ADH2
Transmit Beam Frequency	11200.0 MHz -11450.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees

Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
* BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4

Transmitting Beams 5:

Question	Response
Beam ID	ADH4
Transmit Beam Frequency	12500.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

1.0	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4
MHz						

Transmitting Beams 7:

Question	Response
Beam ID	ADV4
Transmit Beam Frequency	12500.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4
MHz						

Transmitting Beams 8:

Question	Response
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Beam ID	NDH1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW):	* 5° - 10° (dBW/m ²) /BW):	* 10° - 15° (dBW/m ²) /BW):	* 15° - 20° (dBW/m ²) /BW):	* 20° - 25° (dBW/m ²) /BW):	* 25° - 90° (dBW/m ²) /BW):
1.0 MHz	-132.5	-132.4	-132.3	-131.2	-131.1	-130.6

Transmitting Beams 9:

Question	Response
Beam ID	NDH3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	H

Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ² /BW):	* 5° - 10° (dBW/m ² /BW):	* 10° - 15° (dBW/m ² /BW):	* 15° - 20° (dBW/m ² /BW):	* 20° - 25° (dBW/m ² /BW):	* 25° - 90° (dBW/m ² /BW):
1.0 MHz	-132.5	-132.4	-132.3	-131.2	-131.1	-130.6

Transmitting Beams 10:

Question	Response
Beam ID	NDV1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	

Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW):	* 5° - 10° (dBW/m ²) /BW):	* 10° - 15° (dBW/m ²) /BW):	* 15° - 20° (dBW/m ²) /BW):	* 20° - 25° (dBW/m ²) /BW):	* 25° - 90° (dBW/m ²) /BW):
1.0 MHz	-131.3	-131.2	-131.0	-129.9	-129.8	-129.4

Transmitting Beams 11:

Question	Response
Beam ID	NDV3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C

Service Area Description

North Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
* BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-131.3	-131.2	-131.0	-129.9	-129.8	-129.4

Transmitting Beams 12:

Question	Response
Beam ID	SDH4
Transmit Beam Frequency	12200.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-127.9	-127.8	-126.6	-126.5	-126.4	-126.0

Transmitting Beams 13:

Question	Response
Beam ID	SDV4
Transmit Beam Frequency	12200.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-126.6	-126.5	-125.4	-125.3	-125.2	-124.8

Transmitting Beams 14:

Question	Response
Beam ID	WDH3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz
Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 15:

Question	Response
Beam ID	WDV3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz

Beam Type	Fixed
Polarization	V
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz
Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 16:

Question	Response
Beam ID	EDH3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees

Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz
Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW):	* 5° - 10° (dBW/m ²) /BW):	* 10° - 15° (dBW/m ²) /BW):	* 15° - 20° (dBW/m ²) /BW):	* 20° - 25° (dBW/m ²) /BW):	* 25° - 90° (dBW/m ²) /BW):
1.0 MHz	-134.1	-134.0	-133.9	-132.8	-132.7	-131.3

Transmitting Beams 17:

Question	Response
Beam ID	EDV3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz

Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW):	* 5° - 10° (dBW/m ²) /BW):	* 10° - 15° (dBW/m ²) /BW):	* 15° - 20° (dBW/m ²) /BW):	* 20° - 25° (dBW/m ²) /BW):	* 25° - 90° (dBW/m ²) /BW):
1.0 MHz	-131.1	-131.0	-130.9	-129.8	-129.7	-128.3

Transmitting Beams 18:

Question	Response
Beam ID	HDV4
Transmit Beam Frequency	12200.0 MHz -12750.0 MHz
Beam Type	Spot
Polarization	V
Peak Gain	37.66 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-23.1 dBW/Hz
Max. Transmit EIRP	54.2 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific HTS

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-128.3	-127.2	-127.0	-124.9	-123.8	-122.4

Transmitting Beams 19:

Question	Response
Beam ID	NDH4
Transmit Beam Frequency	12200.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-132.5	-132.4	-132.3	-131.2	-131.1	-130.6

Transmitting Beams 20:

Question	Response
Beam ID	NDV4
Transmit Beam Frequency	12200.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	27.82 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-27.0 dBW/Hz
Max. Transmit EIRP	47.32 dBW
Co- or Cross Polar Mode	C
Service Area Description	North Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-131.3	-131.2	-131.0	-129.9	-129.8	-129.4

Transmitting Beams 21:

Question	Response
Beam ID	ADH1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz

Beam Type	Fixed
Polarization	H
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4

Transmitting Beams 22:

Question	Response
Beam ID	ADV1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees

Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4

Transmitting Beams 23:

Question	Response
Beam ID	ADH3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz

Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4

Transmitting Beams 24:

Question	Response
Beam ID	ADV3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	36.37 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-18.45 dBW/Hz
Max. Transmit EIRP	55.87 dBW
Co- or Cross Polar Mode	C
Service Area Description	North East Asia

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-128.3	-128.2	-126.0	-124.9	-123.8	-122.4

Transmitting Beams 25:

Question	Response
Beam ID	SDH1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-127.9	-127.8	-126.6	-126.5	-126.4	-126.0

Transmitting Beams 26:

Question	Response
Beam ID	SDV1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-126.6	-126.5	-125.4	-125.3	-125.2	-124.8

Transmitting Beams 27:

Question	Response
Beam ID	SDH3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz

Beam Type	Fixed
Polarization	H
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ² /BW):	* 5° - 10° (dBW/m ² /BW):	* 10° - 15° (dBW/m ² /BW):	* 15° - 20° (dBW/m ² /BW):	* 20° - 25° (dBW/m ² /BW):	* 25° - 90° (dBW/m ² /BW):
1.0 MHz	-127.9	-127.8	-126.6	-126.5	-126.4	-126.0

Transmitting Beams 28:

Question	Response
Beam ID	SDV3
Transmit Beam Frequency	11450.0 MHz -11700.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	32.46 dBi
Antenna Pointing Error	0.1 degrees

Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-22.35 dBW/Hz
Max. Transmit EIRP	51.96 dBW
Co- or Cross Polar Mode	C
Service Area Description	South Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW):	* 5° - 10° (dBW/m ²) /BW):	* 10° - 15° (dBW/m ²) /BW):	* 15° - 20° (dBW/m ²) /BW):	* 20° - 25° (dBW/m ²) /BW):	* 25° - 90° (dBW/m ²) /BW):
1.0 MHz	-126.6	-126.5	-125.4	-125.3	-125.2	-124.8

Transmitting Beams 29:

Question	Response
Beam ID	WDH1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz

Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 30:

Question	Response
Beam ID	WDV1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz
Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 31:

Question	Response
Beam ID	WDH4
Transmit Beam Frequency	12500.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz
Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 32:

Question	Response
Beam ID	WDV4
Transmit Beam Frequency	12500.0 MHz -12750.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	29.81 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-26.21 dBW/Hz
Max. Transmit EIRP	48.11 dBW
Co- or Cross Polar Mode	C
Service Area Description	South West Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-134.5	-133.4	-133.3	-132.1	-132.0	-131.6

Transmitting Beams 33:

Question	Response
Beam ID	EDH1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz

Beam Type	Fixed
Polarization	H
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz
Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-134.1	-134.0	-133.9	-132.8	-132.7	-131.3

Transmitting Beams 34:

Question	Response
Beam ID	EDV1
Transmit Beam Frequency	10950.0 MHz -11200.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees

Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz
Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-131.1	-131.0	-130.9	-129.8	-129.7	-128.3

Transmitting Beams 35:

Question	Response
Beam ID	EDH4
Transmit Beam Frequency	12200.0 MHz -12500.0 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz

Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-134.1	-134.0	-133.9	-132.8	-132.7	-131.3

Transmitting Beams 36:

Question	Response
Beam ID	EDV4
Transmit Beam Frequency	12200.0 MHz -12500.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	28.97 dBi
Antenna Pointing Error	0.09 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-25.85 dBW/Hz
Max. Transmit EIRP	48.47 dBW
Co- or Cross Polar Mode	C
Service Area Description	South East Pacific

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-131.1	-131.0	-130.9	-129.8	-129.7	-128.3

Transmitting Beams 37:

Question	Response
Beam ID	OABR
Transmit Beam Frequency	19201.9 MHz -19202.1 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	23.0 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	0.0 dBW/Hz
Max. Transmit EIRP	20.0 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):

1.0	-145.3	-145.2	-145.0	-144.9	-144.8	-142.4
MHz						

Transmitting Beams 38:

Question	Response
Beam ID	TDH
Transmit Beam Frequency	12249.5 MHz -12250.5 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	22.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-37.7 dBW/Hz
Max. Transmit EIRP	19.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0	-148.0	-147.9	-147.7	-146.6	-146.5	-143.1
MHz						

Transmitting Beams 39:

Question	Response
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Beam ID	TDV
Transmit Beam Frequency	11200.0 MHz -11201.0 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	22.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-37.7 dBW/Hz
Max. Transmit EIRP	19.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-148.0	-147.9	-147.7	-146.6	-146.5	-143.1

Transmitting Beams 40:

Question	Response
Beam ID	KBL1
Transmit Beam Frequency	11200.0 MHz -11201.0 MHz
Beam Type	Fixed

Polarization	LHCP
Peak Gain	9.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	-32.1 dBW/Hz
Max. Transmit EIRP	22.7 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5° (dBW/m ² /BW):	* 5° - 10° (dBW/m ² /BW):	* 10° - 15° (dBW/m ² /BW):	* 15° - 20° (dBW/m ² /BW):	* 20° - 25° (dBW/m ² /BW):	* 25° - 90° (dBW/m ² /BW):
1.0 MHz	-140.6	-140.5	-140.3	-140.2	-140.1	-139.7

Transmitting Beams 41:

Question	Response
Beam ID	KBR2
Transmit Beam Frequency	12249.5 MHz -12250.5 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	9.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees

Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	-32.1 dBW/Hz
Max. Transmit EIRP	22.7 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5° (dBW/m ²) /BW:	* 5° - 10° (dBW/m ²) /BW:	* 10° - 15° (dBW/m ²) /BW:	* 15° - 20° (dBW/m ²) /BW:	* 20° - 25° (dBW/m ²) /BW:	* 25° - 90° (dBW/m ²) /BW:
1.0 MHz	-140.6	-140.5	-140.3	-140.2	-140.1	-139.7

Transmitting Beams 42:

Question	Response
Beam ID	KBL2
Transmit Beam Frequency	12249.5 MHz -12250.5 MHz
Beam Type	Fixed
Polarization	LHCP
Peak Gain	9.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	-32.1 dBW/Hz

Max. Transmit EIRP	22.7 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)	(dBW/m ²)
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-140.6	-140.5	-140.3	-140.2	-140.1	-139.7

Transmitting Beams 43:

Question	Response
Beam ID	KBR1
Transmit Beam Frequency	11200.0 MHz -11201.0 MHz
Beam Type	Fixed
Polarization	RHCP
Peak Gain	9.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	45.0 degrees
Max. Transmit EIRP Density	-32.1 dBW/Hz
Max. Transmit EIRP	22.7 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

1.0	-150.5	-150.4	-150.2	-150.1	-150.0	-149.1
MHz						

Transmitting Beams 45:

Question	Response
Beam ID	CBV
Transmit Beam Frequency	4199.85 MHz -4199.95 MHz
Beam Type	Fixed
Polarization	V
Peak Gain	16.2 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	No
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-6.7 dBW/Hz
Max. Transmit EIRP	13.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0	-150.5	-150.4	-150.2	-150.1	-150.0	-149.1
MHz						

Transmitting Beams 46:

Question	Response
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Beam ID	KBH
Transmit Beam Frequency	12249.5 MHz -12250.5 MHz
Beam Type	Fixed
Polarization	H
Peak Gain	22.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	0.0 degrees
Max. Transmit EIRP Density	-35.5 dBW/Hz
Max. Transmit EIRP	19.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-148.0	-147.9	-147.7	-146.6	-146.5	-143.1

Transmitting Beams 47:

Question	Response
Beam ID	KBV
Transmit Beam Frequency	11200.0 MHz -11201.0 MHz
Beam Type	Fixed

Polarization	V
Peak Gain	22.6 dBi
Antenna Pointing Error	0.16 degrees
Antenna Rotational Error	0.4 degrees
Polarization Switchable	
Polarization Alignment Relative to the Equatorial Plane	90.0 degrees
Max. Transmit EIRP Density	-35.5 dBW/Hz
Max. Transmit EIRP	19.3 dBW
Co- or Cross Polar Mode	C
Service Area Description	Pacific Ocean Region (POR)

Max. Power Flux Density

	* 0° - 5°	* 5° - 10°	* 10° - 15°	* 15° - 20°	* 20° - 25°	* 25° - 90°
*	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²	(dBW/m ²
BW:	/BW):	/BW):	/BW):	/BW):	/BW):	/BW):
1.0 MHz	-148.0	-147.9	-147.7	-146.6	-146.5	-143.1

Transmitting Channels (76)

Channel ID	Channel Bandwidth (MHz)	Center Frequency s (MHz)	Feeder Link, Service Link or TT&C
GWBD	0.001	19202.0	Feeder Link
B5D	54.0	11106.25	Service Link
B3D	54.0	11043.75	Service Link
F1D	36.0	12531.0	Service Link
D5D	54.0	11606.25	Service Link
D3D	54.0	11543.75	Service Link
D1D	54.0	11481.25	Service Link
C7D	54.0	11418.75	Service Link
CD7	72.0	3900.0	Service Link
CD6	72.0	3840.0	Service Link
CD12	72.0	4080.0	Service Link
G10D	54.0	18806.25	Feeder Link
R1D	54.0	12281.25	Service Link
S02D	170.0	12530.0	Service Link
S01D	170.0	12340.0	Service Link
GW1D	20.0	19144.5	Feeder Link
GN1D	20.0	19189.5	Feeder Link
GE1D	20.0	19167.0	Feeder Link
R6D	54.0	12718.75	Service Link
R5D	54.0	12656.25	Service Link
F6D	36.0	12731.0	Service Link
F5D	36.0	12691.0	Service Link
F4D	36.0	12651.0	Service Link
F3D	36.0	12611.0	Service Link

F2D	36.0	12571.0	Service Link
CBV1	0.001	4199.9	Service Link
KBH1	0.3	12250.1	Service Link
KBV1	0.3	11200.6	Service Link
CBH1	0.001	4198.9	Service Link
B1D	54.0	10981.25	Service Link
G06D	54.0	18556.25	Feeder Link
G05D	54.0	19101.75	Feeder Link
G04D	54.0	18976.75	Feeder Link
G03D	54.0	18868.75	Feeder Link
G02D	54.0	18681.25	Feeder Link
G01D	54.0	18493.75	Feeder Link
CD9	72.0	3980.0	Service Link
G11D	54.0	19039.25	Feeder Link
R4D	54.0	12468.75	Service Link
R3D	54.0	12406.25	Service Link
R2D	54.0	12343.75	Service Link
C5D	54.0	11356.25	Service Link
C3D	54.0	11293.75	Service Link
CD5	72.0	3820.0	Service Link
CD4	36.0	3780.0	Service Link
CD3	36.0	3760.0	Service Link
CD11	72.0	4060.0	Service Link
CD10	72.0	4000.0	Service Link
GS1D	40.0	18922.75	Feeder Link
H2D	36.0	12571.0	Service Link

H1D	36.0	12531.0	Service Link
G8D	27.0	11683.0	Service Link
G7D	27.0	11653.0	Service Link
G6D	27.0	11623.0	Service Link
G5D	27.0	11593.0	Service Link
G4D	27.0	11563.0	Service Link
G3D	27.0	11533.0	Service Link
D7D	54.0	11668.75	Service Link
C1D	54.0	11231.25	Service Link
CD8	72.0	3920.0	Service Link
CD2	36.0	3740.0	Service Link
CD1	36.0	3720.0	Service Link
CD14	72.0	4160.0	Service Link
CD13	72.0	4140.0	Service Link
B7D	54.0	11168.75	Service Link
G09D	54.0	18618.75	Feeder Link
G08D	54.0	18431.25	Feeder Link
G07D	54.0	18743.75	Feeder Link
TTD1	0.3	11200.6	TT&C
C8D	54.0	11418.75	Service Link
C6D	54.0	11356.25	Service Link
C4D	54.0	11293.75	Service Link
C2D	54.0	11231.25	Service Link
B4D	54.0	11043.75	Service Link
TTD2	0.3	12250.1	TT&C
B2D	54.0	10981.25	Service Link

Certification Questions

Question	Response
<p>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?</p>	<p>N/A</p>
<p>Are the applicable frequency tolerances of 25.202(e) and out-of-band emission limits of 25.202(f)(1),(2), and (3) met?</p>	<p>Yes</p>
<p>Are the cessation of emissions requirements of 25.207 met?</p>	<p>Yes</p>
<p>Are the applicable power-flux-density limits of 25.208 met, and is the appropriate technical showing provided within the application?</p>	<p>Yes</p>
<p>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?</p>	<p>N/A</p>
<p>Are the applicable full-frequency-reuse requirements of 25.210 met?</p>	<p>Yes</p>
<p>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)?</p>	

Attachments

File Name	Beam	Field	Attachment Type	Description
<u>172B Service Areas.pdf</u>		Service Area Diagram	PDF file (*.pdf)	Service Area Diagrams for all applicable beams
<u>Beam Pointing Locations for HUH2 and HDV4.pdf</u>		GSO Antenna Gain Contour Data	PDF file (*.pdf)	Additional Information about the beam pointing directions for the 11 HTS uplink and downlink beams
<u>e172b_antenna_patterns.mdb</u>		GSO Antenna Gain Contour Data	GIMS file (*.mdb)	GXT Files for all applicable beams