

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: GALAXY 11		e. Estimated Date of Placement into Service:		i. Will the space station(s) operate on a Common Carrier Basis: N	
b. Construction Commencement Date:		f. Estimated Lifetime of Satellite(s): Years		j. Number of transponders offered on a common carrier basis:	
c. Construction Completion Date:		g. Total Number of Transponders: 64		k. Total Common Carrier Transponder Bandwidth: MHz	
d1. Est Launch Date Begin:	d2. Est Launch Date End:	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 2160 MHz		i. Orbit Type: Mark all boxes that apply: <input checked="" type="checkbox"/> GSO <input type="checkbox"/> NGSO	

S2. OPERATING FREQUENCY BANDS Identify the frequency range and transmit/receive mode for all frequency bands in which this station will oper
Also indicate the nature of service(s) for each frequency band.

Frequency Band Limits				e. T/R Mode	f. Nature of Service(s): List all that apply to this band
Lower Frequency (.Hz)		Upper Frequency (.Hz)			
a. Numeric	b. Unit (K/M/G)	c. Numeric	d. Unit (K/M/G)		
14000	M	14500	M	R	Fixed Satellite Service
11700	M	12200	M	T	Fixed Satellite Service
13750	M	14000	M	R	Fixed Satellite Service
10950	M	11200	M	T	Fixed Satellite Service
5925	M	6425	M	R	Fixed Satellite Service
3700	M	4200	M	T	Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 55.6 W		b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection: PROVIDE SERVICE TO SOUTHERN UNITED STATES, MEXICO, CENTRAL AMERICA, THE CARIBBEAN AND SOUTH AMERICA AND WILL SERVE TO SUPPLEMENT THE SERVICES CURRENTLY BEING PROVIDED BY INTELSAT 805 AT 55.5W.
Longitudinal Tolerance or E/W Station-Keeping:		f. Inclination Excursion or N/S Station-Keeping Tolerance: 0.05 Degrees	Range of orbital are in which adequate service can be provided (Optional): g. Westernmost: h. Easternmost:	
d. Toward West:	0.05 Degrees			
e. Toward East:	0.05 Degrees	i. Reason for service are selection (Optional):		

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S4. ORBITAL INFORMATION FOR NON-GEOSTATIONARY SATELLITES ONLY

S4a. Total Number of Satellites in Network or System:

S4c. Celestial Reference Body (Earth, Sun, Moon, etc.):

S4b. Total Number of Orbital Planes in Network or System:

S4d. Orbit Epoch Date:

For each Orbital Plane Provide:

(e) Orbital Plane No.	(f) No. of Satellites in Plane	(g) Inclination Angle (degrees)	(h) Orbital Period (Seconds)	(i) Apogee (km)	(j) Perigee (km)	(k) Right Ascension of the Ascending Node (Deg.)	(l) Argument of Perigee (Degrees)	Active Service Arc Range (Degrees)		
								(m) Begin Angle	(n) End Angle	(o) Other

S5. INITIAL SATELLITE PHASE ANGLE For each satellite in each orbital plane, provide the initial phase angle.

(a) Orbital Plane No.	(b) Satellite Number	(c) Initial Phase Angle (Degrees)

NO NGSO DATA FILED

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S6. SERVICE AREA CHARACTERISTICS for each service area provide:

(a) Service Area ID	(b) Type of Associated Station (Earth or Space)	(c) Service Area Diagram File Name (GXT File)	(d) Service Area Description. Provide list of geographic areas (state postal codes or ITU 3-ltr codes), satellites or Figure No. of Service Area Diagram.
1	S		SOUTHERN UNITED STATES, MEXICO, CENTRAL AMERICA, THE CARIBBEAN
2	S		GLOBAL
3	S		SOUTH AMERICA

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S7. SPACE STATION ANTENNA BEAM CHARACTERISTICS For each antenna beam provide:

(a) Beam ID	(b) T/R Mode	Isotropic Antenna Gain		(e) Pointing Error (Degrees)	(f) Rotational Error (Degrees)	(g) Min. Cross- Polar Iso- lation (dB)	(h) Polar- ization Switch- able? (Y/N)	(i) Polarization Alignment Rel. Equatorial Plane (Degrees)	(j) Service Area ID	Transmit			Receive			
										(k) Input Losses (dB)	(l) Effective Output Power (W)	(m) Max. EIRP (dBW)	(n) System Noise Temp (k)	(o) G/T Max. Gain Pt. (db/K)	(p) Min. Saturation Flux Density (dBW/m2)	Input Attenuator (dB)
		(q) Max. Value	(r) Step Size													
CHU	R	29.6	25.6	0.14	0.22	30	Y	0	1				2.5	-94	14	1
CVUL	R	31.2	27.2	0.14	0.22	30	Y		90	1			4.2	-95.2	14	1
KHUL	R	33.3	27.3	0.14	0.22	30	N		0	1			6.3	-99.8	16	1
KVUL	R	32	26	0.14	0.22	30	N		90	1			4.8	-98.3	16	1
CHD	T	28.8	24.8	0.14	0.22	30	Y		0	1	40.2					
CVDL	T	29	25	0.14	0.22	30	Y		90	1	40.1					
KHDL	T	32.2	28.2	0.14	0.22	30	N		0	1	49.7					
KVDL	T	31.9	27.9	0.14	0.22	30	N		90	1	49.7					
BHUL	R	32.6	24.6	0.14	0.22	30	N		0	3			5.7	-98.3	16	1
BVUL	R	33.3	25.3	0.14	0.22	30	N		90	3			6.3	-99.9	16	1
EHUL	R	32.1	24.1	0.14	0.22	30	N		0	1			5.2	-94.3	16	1
EVUL	R	32.3	24.3	0.14	0.22	30	N		90	1			5.2	-94.2	16	1
BHDL	T	31.6	25.6	0.14	0.22	30	N		0	3	52.7					
BVDL	T	31.3	25.3	0.14	0.22	30	N		90	3	51.9					
EHDL	T	31.4	25.4	0.14	0.22	30	N		0	1	50.9					
EVDL	T	31.7	25.7	0.14	0.22	30	N		90	1	51.2					
CMD	R	32	22	0.14	0.22		N		90	1			-3	-119.6		
CMD	R	2.2	-0.8	0.14	0.22		N		0	2			-30.8	-91.8		
CMD	R	3.8	-0.2	0.14	0.22		N			2			-28.7	-94.3		
TLM	T	31.9	21.9	0.14	0.22		N		90	1	15.3					
TLMB	T	2.7	-0.8	0.14	0.22		N		90	2	11.6					
TLMP	T	5.3	-0.7	0.14	0.22		N			2	11.6					
UPC	T	32.2	22.2	0.14	0.22		N		0	1	25.3					
UPG	T	24.2	18.2	0.14	0.22		N		0	2	19.1					
UPG	T	24.2	18.2	0.14	0.22		N		90	2	19.1					

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S8. ANTENNA BEAM DIAGRAMS For each beam pattern provide the reference to the graphic image and numerical data:
Also provide the power flux density levels in each beam that result from the emission with the highest power flux density.

(a) Beam ID	(b) T/R Mode	(c) Co-or Cross Polar Mode ("C" or" X")	(d) GSO Ref. Orbital Longitude (Deg. E/W)	(e) NGSO Antenna Gain Contour Description (Figure/Table/ Exhibit)	(f) GSO Antenna Gain Contour Data (GXT File)	Max. Power Flux Density (dBW/M2/Hz)				
						At Angle of Arrival above horizontal (for emission with highest PFD)				
						(g) 5 Deg	(h) 10 Deg	(i) 15 Deg	(j) 20 Deg	(k) 25 Deg
CHU	R	C	-55.5		chul.gxt					
CVUL	R	C	-55.5		cvul.gxt					
KHUL	R	C	-55.5		khul.gxt					
KVUL	R	C	-55.5		kvul.gxt					
CHD	T	C	-55.5		chdl.gxt	-153.1	-153	-152.8	-152.7	-152.6
CVDL	T	C	-55.5		cvdl.gxt	-153.2	-153.1	-152.9	-152.8	-152.7
KHDL	T	C	-55.5		khdl.gxt					
KVDL	T	C	-55.5		kvdl.gxt					
BHUL	R	C	-55.5		bhul.gxt					
BVUL	R	C	-55.5		bvul.gxt					
BHDL	T	C	-55.5		bhdl.gxt	-150	-147.5	-145	-142.5	-140.3
BVDL	T	C	-55.5		bvdl.gxt	-150	-147.5	-145	-142.5	-140.9
EHUL	R	C	-55.5		ehul.gxt					
EVUL	R	C	-55.5		evul.gxt					
EHDL	T	C	-55.5		ehdl.gxt	-150	-147.5	-145	-142.5	-140.7
EVDL	T	C	-55.5		evdl.gxt	-150	-147.5	-145	-142.5	-140.8
CMD	R	C	-55.5		cmdc.gxt					
CMD	R	C	-55.5	cmdb.pdf						
CMD	R	C	-55.5	cmdp.pdf						
TLM	T	C	-55.5		tlmc.gxt					
TLMB	T	C	-55.5	tlmb.pdf						
TLMP	T	C	-55.5	tlmp.pdf						
UPC	T	C	-55.5		upcc.gxt					
UPG	T	C	-55.5	upgh.pdf		-152.1	-152	-151.9	-151.8	-151.7
UPG	T	C	-55.5	upgv.pdf		-152.1	-152	-151.9	-151.8	-151.7

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S9. SPACE STATION CHANNELS For each frequency channel provide: S10. SPACE STATION TRANSPONDERS For each transponder provide:

(a) Channel No.	(B) Assigned Bandwidth (kHz)	(c) T/R Mode	(d) Center Frequency (MHz)	(e) Polarization (H, V, L, R)	(f) TTC or Comm Channel (T or C)
UC001	36000	R	5945	V	C
UC003	36000	R	5985	V	C
UC005	36000	R	6025	V	C
UC007	36000	R	6065	V	C
UC009	36000	R	6105	V	C
UC011	36000	R	6145	V	C
UC013	36000	R	6185	V	C
UC015	36000	R	6225	V	C
UC017	36000	R	6265	V	C
UC019	36000	R	6305	V	C
UC021	36000	R	6345	V	C
UC023	36000	R	6385	V	C
UC002	36000	R	5965	H	C
UC004	36000	R	6005	H	C
UC006	36000	R	6045	H	C
UC008	36000	R	6085	H	C
UC010	36000	R	6125	H	C
UC012	36000	R	6165	H	C
UC014	36000	R	6205	H	C
UC016	36000	R	6245	H	C
UC018	36000	R	6285	H	C
UC020	36000	R	6325	H	C
UC022	36000	R	6365	H	C
UC024	36000	R	6405	H	C
DC001	36000	T	3720	H	C
DC003	36000	T	3760	H	C
DC005	36000	T	3800	H	C
DC007	36000	T	3840	H	C
DC009	36000	T	3880	H	C
DC011	36000	T	3920	H	C

(a) Transponder ID	(b) Transponder Gain (dB)	Receive Band		Transmit Band	
		(c) Channel No.	(d) Beam ID	(e) Channel No.	(f) Beam ID
C0001	112.7	UC001	CVUL	DC001	CHDL
C0003	112.7	UC003	CVUL	DC003	CHDL
C0005	112.7	UC005	CVUL	DC005	CHDL
C0007	112.7	UC007	CVUL	DC007	CHDL
C0009	112.7	UC009	CVUL	DC009	CHDL
C0011	112.7	UC011	CVUL	DC011	CHDL
C0013	112.7	UC013	CVUL	DC013	CHDL
C0015	112.7	UC015	CVUL	DC015	CHDL
C0017	112.7	UC017	CVUL	DC017	CHDL
C0019	112.7	UC019	CVUL	DC019	CHDL
C0021	112.7	UC021	CVUL	DC021	CHDL
C0023	112.7	UC023	CVUL	DC023	CHDL
C0002	112.8	UC002	CHUL	DC002	CVDL
C0004	112.8	UC004	CHUL	DC004	CVDL
C0006	112.8	UC006	CHUL	DC006	CVDL
C0008	112.8	UC008	CHUL	DC008	CVDL
C0010	112.8	UC010	CHUL	DC010	CVDL
C0012	112.8	UC012	CHUL	DC012	CVDL
C0014	112.8	UC014	CHUL	DC014	CVDL
C0016	112.8	UC016	CHUL	DC016	CVDL
C0018	112.8	UC018	CHUL	DC018	CVDL
C0020	112.8	UC020	CHUL	DC020	CVDL
C0022	112.8	UC022	CHUL	DC022	CVDL
C0024	112.8	UC024	CHUL	DC024	CVDL
K0001	128.3	UK001	KVUL	DK001	KHDL
K0003	128.3	UK003	KVUL	DK003	KHDL
K0005	128.3	UK005	KVUL	DK005	KHDL
K0007	128.3	UK007	KVUL	DK007	KHDL
K0009	128.3	UK009	KVUL	DK009	KHDL
K0011	128.3	UK011	KVUL	DK011	KHDL

DC013	36000	T	3960	H	C
DC015	36000	T	4000	H	C
DC017	36000	T	4040	H	C
DC019	36000	T	4080	H	C
DC021	36000	T	4120	H	C
DC023	36000	T	4160	H	C
DC002	36000	T	3740	V	C
DC004	36000	T	3780	V	C
DC006	36000	T	3820	V	C
DC008	36000	T	3860	V	C
DC010	36000	T	3900	V	C
DC012	36000	T	3940	V	C
DC014	36000	T	3980	V	C
DC016	36000	T	4020	V	C
DC018	36000	T	4060	V	C
DC020	36000	T	4100	V	C
DC022	36000	T	4140	V	C
DC024	36000	T	4180	V	C
UK001	36000	R	14020	V	C
UK003	36000	R	14060	V	C
UK005	36000	R	14100	V	C
UK007	36000	R	14140	V	C
UK009	36000	R	14180	V	C
UK011	36000	R	14220	V	C
UK013	36000	R	14260	V	C
UK015	36000	R	14300	V	C
UK017	36000	R	14340	V	C
UK019	36000	R	14380	V	C
UK021	36000	R	14420	V	C
UK023	36000	R	14460	V	C
UK002	36000	R	14040	H	C
UK004	36000	R	14080	H	C
UK006	36000	R	14120	H	C
UK008	36000	R	14160	H	C
UK010	36000	R	14200	H	C
UK012	36000	R	14240	H	C
UK014	36000	R	14280	H	C
UK016	36000	R	14320	H	C
UK018	36000	R	14360	H	C

K0013	128.3	UK013	KVUL	DK013	KHDL
K0015	128.3	UK015	KVUL	DK015	KHDL
K0017	128.3	UK017	KVUL	DK017	KHDL
K0019	128.3	UK019	KVUL	DK019	KHDL
K0021	128.3	UK021	KVUL	DK021	KHDL
K0023	128.3	UK023	KVUL	DK023	KHDL
K0002	128.8	UK002	KHUL	DK002	KVDL
K0004	128.8	UK004	KHUL	DK004	KVDL
K0006	128.8	UK006	KHUL	DK006	KVDL
K0008	128.8	UK008	KHUL	DK008	KVDL
K0010	128.8	UK010	KHUL	DK010	KVDL
K0012	128.8	UK012	KHUL	DK012	KVDL
K0014	128.8	UK014	KHUL	DK014	KVDL
K0016	128.8	UK016	KHUL	DK016	KVDL
K0018	128.8	UK018	KHUL	DK018	KVDL
K0020	128.8	UK020	KHUL	DK020	KVDL
K0022	128.8	UK022	KHUL	DK022	KVDL
K0024	128.8	UK024	KHUL	DK024	KVDL
E0001	126.8	UE001	EHUL	DE001	EVDL
E0003	126.8	UE003	EHUL	DE003	EVDL
E0005	126.8	UE005	EHUL	DE005	EVDL
E0007	126.8	UE007	EHUL	DE007	EVDL
E0009	126.8	UE009	EHUL	DE009	EVDL
E0011	126.8	UE011	EHUL	DE011	EVDL
E0013	126.8	UE013	EHUL	DE013	EVDL
E0015	126.8	UE015	EHUL	DE015	EVDL
E0002	126.9	UE002	EVUL	DE002	EHDL
E0004	126.9	UE004	EVUL	DE004	EHDL
E0006	126.9	UE006	EVUL	DE006	EHDL
E0008	126.9	UE008	EVUL	DE008	EHDL
E0010	126.9	UE010	EVUL	DE010	EHDL
E0012	126.9	UE012	EVUL	DE012	EHDL
E0014	126.9	UE014	EVUL	DE014	EHDL
E0016	126.9	UE016	EVUL	DE016	EHDL
EB001	127.1	UE001	EHUL	DB001	BVDL
EB003	127.1	UE003	EHUL	DB003	BVDL
EB005	127.1	UE005	EHUL	DB005	BVDL
EB007	127.1	UE007	EHUL	DB007	BVDL
EB009	127.1	UE009	EHUL	DB009	BVDL

UK020	36000	R	14400	H	C
UK022	36000	R	14440	H	C
UK024	36000	R	14480	H	C
DK001	36000	T	11720	H	C
DK003	36000	T	11760	H	C
DK005	36000	T	11800	H	C
DK007	36000	T	11840	H	C
DK009	36000	T	11880	H	C
DK011	36000	T	11920	H	C
DK013	36000	T	11960	H	C
DK015	36000	T	12000	H	C
DK017	36000	T	12040	H	C
DK019	36000	T	12080	H	C
DK021	36000	T	12120	H	C
DK023	36000	T	12160	H	C
DK002	36000	T	11740	V	C
DK004	36000	T	11780	V	C
DK006	36000	T	11820	V	C
DK008	36000	T	11860	V	C
DK010	36000	T	11900	V	C
DK012	36000	T	11940	V	C
DK014	36000	T	11980	V	C
DK016	36000	T	12020	V	C
DK018	36000	T	12060	V	C
DK020	36000	T	12100	V	C
DK022	36000	T	12140	V	C
DK024	36000	T	12180	V	C
UE001	27000	R	13764	H	C
UE003	27000	R	13794	H	C
UE005	27000	R	13824	H	C
UE007	27000	R	13854	H	C
UE009	27000	R	13884	H	C
UE011	27000	R	13914	H	C
UE013	27000	R	13944	H	C
UE015	27000	R	13974	H	C
UE002	27000	R	13776	V	C
UE004	27000	R	13806	V	C
UE006	27000	R	13836	V	C
UE008	27000	R	13866	V	C

EB011	127.1	UE011	EHUL	DB011	BVDL
EB013	127.1	UE013	EHUL	DB013	BVDL
EB015	127.1	UE015	EHUL	DB015	BVDL
EB002	127.1	UE002	EVUL	DB002	BHDL
EB004	127.1	UE004	EVUL	DB004	BHDL
EB006	127.1	UE006	EVUL	DB006	BHDL
EB008	127.1	UE008	EVUL	DB008	BHDL
EB010	127.1	UE010	EVUL	DB010	BHDL
EB012	127.1	UE012	EVUL	DB012	BHDL
EB014	127.1	UE014	EVUL	DB014	BHDL
EB016	127.1	UE016	EVUL	DB016	BHDL
B0001	130.7	UB001	BHUL	DB001	BVDL
B0003	130.7	UB003	BHUL	DB003	BVDL
B0005	130.7	UB005	BHUL	DB005	BVDL
B0007	130.7	UB007	BHUL	DB007	BVDL
B0009	130.7	UB009	BHUL	DB009	BVDL
B0011	130.7	UB011	BHUL	DB011	BVDL
B0013	130.7	UB013	BHUL	DB013	BVDL
B0015	130.7	UB015	BHUL	DB015	BVDL
B0002	131.9	UB002	BVUL	DB002	BHDL
B0004	131.9	UB004	BVUL	DB004	BHDL
B0006	131.9	UB006	BVUL	DB006	BHDL
B0008	131.9	UB008	BVUL	DB008	BHDL
B0010	131.9	UB010	BVUL	DB010	BHDL
B0012	131.9	UB012	BVUL	DB012	BHDL
B0014	131.9	UB014	BVUL	DB014	BHDL
B0016	131.9	UB016	BVUL	DB016	BHDL
BE001	130.4	UB001	BHUL	DE001	EVDL
BE003	130.4	UB003	BHUL	DE003	EVDL
BE005	130.4	UB005	BHUL	DE005	EVDL
BE007	130.4	UB007	BHUL	DE007	EVDL
BE009	130.4	UB009	BHUL	DE009	EVDL
BE011	130.4	UB011	BHUL	DE011	EVDL
BE013	130.4	UB013	BHUL	DE013	EVDL
BE015	130.4	UB015	BHUL	DE015	EVDL
BE002	131.7	UB002	BVUL	DE002	EHDL
BE004	131.7	UB004	BVUL	DE004	EHDL
BE006	131.7	UB006	BVUL	DE006	EHDL
BE008	131.7	UB008	BVUL	DE008	EHDL

UE010	27000	R	13896	V	C
UE012	27000	R	13926	V	C
UE014	27000	R	13956	V	C
UE016	27000	R	13986	V	C
DE001	27000	T	10964	V	C
DE003	27000	T	10994	V	C
DE005	27000	T	11024	V	C
DE007	27000	T	11054	V	C
DE009	27000	T	11084	V	C
DE011	27000	T	11114	V	C
DE013	27000	T	11144	V	C
DE015	27000	T	11174	V	C
DE002	27000	T	10976	H	C
DE004	27000	T	11006	H	C
DE006	27000	T	11036	H	C
DE008	27000	T	11066	H	C
DE010	27000	T	11096	H	C
DE012	27000	T	11126	H	C
DE014	27000	T	11156	H	C
DE016	27000	T	11186	H	C
UB001	27000	R	14014	H	C
UB003	27000	R	14044	H	C
UB005	27000	R	14074	H	C
UB007	27000	R	14104	H	C
UB009	27000	R	14134	H	C
UB011	27000	R	14164	H	C
UB013	27000	R	14194	H	C
UB015	27000	R	14224	H	C
UB002	27000	R	14026	V	C
UB004	27000	R	14056	V	C
UB006	27000	R	14086	V	C
UB008	27000	R	14116	V	C
UB010	27000	R	14146	V	C
UB012	27000	R	14176	V	C
UB014	27000	R	14206	V	C
UB016	27000	R	14236	V	C
DB001	27000	T	10964	V	C
DB003	27000	T	10994	V	C
DB005	27000	T	11024	V	C

BE010	131.7	UB010	BVUL	DE010	EHDL
BE012	131.7	UB012	BVUL	DE012	EHDL
BE014	131.7	UB014	BVUL	DE014	EHDL
BE016	131.7	UB016	BVUL	DE016	EHDL

DB007	27000	T	11054	V	C
DB009	27000	T	11084	V	C
DB011	27000	T	11114	V	C
DB013	27000	T	11144	V	C
DB015	27000	T	11174	V	C
DB002	27000	T	10976	H	C
DB004	27000	T	11006	H	C
DB006	27000	T	11036	H	C
DB008	27000	T	11066	H	C
DB010	27000	T	11096	H	C
DB012	27000	T	11126	H	C
DB014	27000	T	11156	H	C
DB016	27000	T	11186	H	C
CMD1	1000	R	14498.5	V	T
CMD2	1000	R	14498.5	H	T
CMD3	1000	R	14000.5	L	T
TLM1	500	T	11701	V	T
TLM2	500	T	11702	V	T
TLM3	500	T	11701	V	T
TLM4	500	T	11702	V	T
TLM5	500	T	11701	L	T
TLM6	500	T	11702	L	T
UPC1	25	T	12195	H	T
UPC2	25	T	10951	H	T
UPC3	25	T	10951	V	T

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S11. DIGITAL MODULATION PARAMETERS For each digital emission provide:

(a) Digital Mod. ID	(b) Emission Designator	(c) Assigned Bandwidth (kHz)	(d) No. of Phases	(e) Uncoded Data Rate (kbps)	(f) FEC Error Correction Coding Rate	(g) CDMA Processing Gain (dB)	(h) Total C/N Performance Objective (dB)	(i) Single Entry C/I Objective (dB)
D1	36M0G7W	36000	4	26665	0.75		7.3	19.5
D2	27M0G7W	27003	4	20002	0.75		7.3	19.5
D3	8M25G7W	8250	4	8448	0.75		7.3	19.5
D4	1M43G7W	1434	2	512	0.5		-0.2	12
D5	717KG7W	717	2	256	0.5		-0.2	12
D6	111KG7W	111	4	128	0.75		5.9	18.1

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S12. ANALOG MODULATION PARAMETERS For each analog emission provide:

(a) Analog Mod. ID	(b) Emission Designator	(c) Assigned Bandwidth (kHz)	(d) Signal Type	(e) Channels per Carrier	Multi-channel Telephony				(j) Video Standard NTSC, PAL, etc.	(k) Video Noise- Weighting (dB)	(l) Video and SCPC/FM Modulation Index	(m) SCPC/FM Compander, Preemphasis, and Noise Weighting (dB)	(n) Total C/N Performance Objective (dB)	(o) Single Entry C/I Objective (dB)
					(f) Ave. Companded Talker Level (dBm0)	(g) Bottom Baseband Freq. (MHz)	(h) Top Baseband Freq. (MHz)	(i) RMS Modulation Index						
A1	36M0F3F	36000	TV/FM	792					NTSC	12.8	2.6		16.4	30.4
A2	25M0F3F	25000	TV/FM	432					PAL	12.8	2.1		14.2	28.2

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S13. TYPICAL EMISSIONS For each planned type of emission provide:

Associated Transponder ID Range (a) Start (b) End		Modulation ID		(e) Carriers per Transponder	(f) Carrier Spacing (kHz)	(g) Noise Budget Reference (Table No.)	(h) Energy Dispersal Bandwidth (kHz)	Receive Band (Assoc. Transmit Stn)			Transmit Band (This Space Station)			
		(c) Digital (Table S11)	(d) Analog (Table S12)					(i) Assoc. Stn. Max. Antenna Gain (dBi)	Assoc. Station Transmit Power (dBW) (j) Min. (k) Max.		EIRP (dBW) (l) Min. (m) Max.		(n) Max. Power Flux Density (dBW/m2/Hz)	(o) Assoc. Stn Rec. G/T (dB/K)
C0001	BE016		A1	1		G11 Link Budg	4000	57.8	17.2	23.5	36.1	42.5	-157.9	34
C0001	BE016	D1		1		G11 Link Budg		57.4	16	22.3	35.5	41.9	-166.7	25
C0001	BE016	D3		4	8250.5	G11 Link Budg		53.1	8.1	14.4	25.9	32.3	-169.9	29
C0001	BE016	D4		25	1434	G11 Link Budg		53.1	-0.3	6	17.4	23.8	-170.7	23.3
C0001	BE016	D5		50	717	G11 Link Budg		53.1	-3.2	3.1	14.4	20.78	-170.7	23.3
C0001	BE016	D6		324	111	G11 Link Budg		48.7	-7	-0.7	6.2	12.58	-171.1	29
C0001	BE016		A1	1		G11 Link Budg	4000	57.4	16.8	23.1	36.6	42.8	-157.5	34
C0001	BE016	D1		1		G11 Link Budg		53.1	17.8	24.1	35.9	42.1	-166.4	25
C0001	BE016	D3		4	8250.5	G11 Link Budg		53.1	7.5	13.8	26.3	32.49	-169.6	29
C0001	BE016	D4		25	1434	G11 Link Budg		53.1	-1.1	5.2	17.6	23.81	-170.6	23.3
C0001	BE016	D5		50	717	G11 Link Budg		53.1	-4	2.3	14.6	20.81	-170.6	23.3
C0001	BE016	D6		324	111	G11 Link Budg		53.1	-12	-5.7	6.6	12.81	-170.8	29
C0001	BE016		A2	1		G11 Link Budg	4000	53.1	13.2	19.2	44	50	-150.1	34
C0001	BE016	D2		1		G11 Link Budg		48.7	16.5	22.5	34.8	40.8	-166.3	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	9.7	15.7	29.4	35.4	-166.6	25
C0001	BE016	D4		19	1434	G11 Link Budg		48.7	2.3	8.3	17.4	23.36	-170.9	23.3
C0001	BE016	D5		38	717	G11 Link Budg		48.7	-0.8	5.2	14.3	20.26	-171	23.3
C0001	BE016	D6		243	111	G11 Link Budg		53.1	-9.9	-3.9	9.6	15.56	-167.9	25
C0001	BE016		A2	1		G11 Link Budg	4000	57.4	18	22.4	35.1	41.2	-158.9	29
C0001	BE016	D2		1		G11 Link Budg		48.7	16.2	20.6	34.7	40.8	-166.3	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	11.1	15.5	28.9	35.01	-167	25
C0001	BE016	D4		19	1434	G11 Link Budg		48.7	3.7	8.1	16.8	22.89	-171.3	23.3
C0001	BE016	D5		38	717	G11 Link Budg		48.7	0.7	5.1	13.8	19.89	-171.3	23.3
C0001	BE016	D6		243	111	G11 Link Budg		53.1	-8.4	-4	9.1	15.19	-168.2	25
C0001	BE016		A2	1		G11 Link Budg	4000	53.1	13.2	19.2	35.1	41.1	-159	34
C0001	BE016	D2		1		G11 Link Budg		48.7	16.6	22.6	35	41	-166.1	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	11.2	17.2	29.6	35.59	-166.4	25
C0001	BE016	D4		19	1434	G11 Link Budg		53.1	3.4	9.4	21.6	27.57	-166.7	19.8
C0001	BE016	D5		38	717	G11 Link Budg		53.1	0.1	6.1	18.3	24.28	-166.9	23.3

C0001	BE016	D6		243	111	G11 Link Budg		53.1	-8.4	-2.4	9.8	15.77	-167.7	25
C0001	BE016		A2	1		G11 Link Budg	4000	57.4	16.4	20.8	35.8	41.5	-158.6	29
C0001	BE016	D2		1		G11 Link Budg		46.2	18.4	22.8	35.6	41.3	-165.8	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		48.7	11.3	15.7	30.5	36.24	-165.7	25
C0001	BE016	D4		19	1434	G11 Link Budg		48.7	2.8	7.2	21.8	27.52	-166.7	19.8
C0001	BE016	D5		38	717	G11 Link Budg		46.2	2.4	6.8	18.9	24.62	-166.6	19.8
C0001	BE016	D6		243	111	G11 Link Budg		48.7	-8.3	-3.9	10.7	16.4	-167	25
C0001	BE016		A2	1		G11 Link Budg	4000	53.1	12.6	18.3	35	41	-159.3	34
C0001	BE016	D2		1		G11 Link Budg		48.7	16.1	21.8	35	41	-166.3	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	8.1	13.8	29.9	35.89	-166.2	25
C0001	BE016	D4		19	1434	G11 Link Budg		53.1	0.1	5.8	21.7	27.67	-166.7	19.8
C0001	BE016	D5		38	717	G11 Link Budg		53.1	-2.9	2.8	18.7	24.67	-166.7	19.8
C0001	BE016	D6		243	111	G11 Link Budg		48.7	-7	-1.3	10.2	16.17	-167.4	25
C0001	BE016		A2	1		G11 Link Budg	4000	48.7	17	23	34.7	40.5	-159.8	34
C0001	BE016	D2		1		G11 Link Budg		48.7	15.7	21.7	35.3	41.1	-166.2	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	7.6	13.6	30.2	36.02	-166.1	25
C0001	BE016	D4		19	1434	G11 Link Budg		48.7	4.1	10.1	22	27.75	-166.6	19.8
C0001	BE016	D5		38	717	G11 Link Budg		48.7	1	7	19	24.84	-166.5	19.8
C0001	BE016	D6		243	111	G11 Link Budg		48.7	-7.6	-1.6	10.4	16.2	-167.4	24
C0001	BE016		A2	1		G11 Link Budg	4000	53.1	12.5	18.2	34.7	40.7	-159.6	34
C0001	BE016	D2		1		G11 Link Budg		48.7	16.1	21.8	34.8	40.8	-166.5	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	8.4	14.1	29.4	35.4	-166.7	25
C0001	BE016	D4		19	1434	G11 Link Budg		46.2	3.5	9.2	17.4	23.36	-171	23.3
C0001	BE016	D5		38	717	G11 Link Budg		46.2	0.5	6.2	14.4	20.36	-171	23.3
C0001	BE016	D6		243	111	G11 Link Budg		48.7	-6.7	-1	9.7	15.66	-167.9	25
C0001	BE016		A2	1		G11 Link Budg	4000	48.7	16.2	22.2	35	41.1	-159.2	34
C0001	BE016	D2		1		G11 Link Budg		48.7	14.8	20.8	34.7	40.8	-166.5	25
C0001	BE016	D3		3	8250.5	G11 Link Budg		53.1	9.7	15.7	28.9	35.01	-167.1	25
C0001	BE016	D4		19	1434	G11 Link Budg		48.7	2.1	8.2	16.8	22.89	-171.5	23.3
C0001	BE016	D5		38	717	G11 Link Budg		48.7	-0.8	5.2	13.8	19.89	-171.5	23.3
C0001	BE016	D6		243	111	G11 Link Budg		53.1	-10	-4	9	15.09	-168.5	25

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S14. Is the space station(s) controlled and monitored remotely? If Yes, provide the location and telephone number of the TT and C control point(s): Yes

Remote Control (TT C) Location(s):

S14a: Street Address: 3400 INTERNATIONAL DRIVE, N.W.			
S14b. City: WASHINGTON	S14c. County:	S14d. State/Country DC	S14e. Zip Code: 20008
S14f. Telephone Number: 202-944-7701		S14g. Call Sign of Control Station (if appropriate):	

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S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S16. SPACECRAFT ELECTRICAL CHARACTERISTICS:

S17. CERTIFICATIONS:

a. Are the power flux density limits of § 25.208 met?:	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	N/A
b. Are the appropriate service area coverage requirements of § 25.143(b)(ii) and (iii), or § 25.145(c)(1) and (2) met?	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	N/A
c. Are the frequency tolerances of § 25.202(e) and the out-of-band emission limits of § 25.202(f)(1), (2) and (3) met?	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	N/A
In addition to the information required in this Form, the space station applicant is required to provide all the information specified in Section 25.114 of the Commission's rules, 47 C.F.R § 25.114.						