

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: AMC-12	e. Estimated Date of Placement into Service: 2/1/2005	i. Will the space station(s) operate on a Common Carrier Basis: N
b. Construction Commencement Date: 4/5/2000	f. Estimated Lifetime of Satellite(s): 16 Years	j. Number of transponders offered on a common carrier basis: 0
c. Construction Completion Date: 7/1/2004	g. Total Number of Transponders: 72	k. Total Common Carrier Transponder Bandwidth: 0 MHz
d. Estimated Launch Date: 11/15/2004	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 2592 MHz	i. Orbit Type: Mark all boxes that apply: <input 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)		
3700	M	4200	M	T	Direct to Home in the Fixed Fixed Satellite Service
3700	M	4200	M	T	Fixed Satellite Service
5925	M	6425	M	R	Direct to Home in the Fixed Fixed Satellite Service
5925	M	6425	M	R	Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 37.5 W	b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection:
Longitudinal Tolerance or E/W Station-Keeping:	f. Inclination Excursion or N/S Station-Keeping Tolerance:	Range of orbital are in which adequate service can be provided (Optional):	
d. Toward West: 0.05 Degrees	e. Toward East: 0.05 Degrees	g. Westernmost: W h. Easternmost: W	
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.
NAM	E		-15 dB gain contour of beams NAH and NAV
SAM	E		-15 dB gain contour of beams SAH and SAV
EU/AFR	E		-15 dB gain contour of beams EUH and EUV

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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			Input Attenuator (dB)	
										(k) Input Losses (dB)	(l) Effective Output Power (W)	(m) Max. EIRP (dBW)	(n) System Noise Temp (k)	(o) G/T Max. Gain Pt.	(p) Min. Saturation Flux Density (dBW/m2)	(q) Max. Value	(r) Step Size
		(c) Peak (dBi)	(d) Edge (dBi)														
NAH	T	31.4	16.4	0.15	0	30	Y	0	NAM	1.1	25.7	45.5					
NAV	T	31.4	16.4	0.15	0	30	Y	90	NAM	1.1	25.7	45.5					
NAH	R	35	20	0.15	0	30	Y	0	NAM				457	8.4	-106.6	18	1
NAV	R	35	20	0.15	0	30	Y	90	NAM				457	8.4	-106.6	18	1
SAH	T	28.8	13.8	0.15	0	30	Y	0	SAM	1.5	47.9	45.6					
SAV	T	28.8	13.8	0.15	0	30	Y	90	SAM	1.5	47.9	45.6					
SAH	R	32.4	17.4	0.15	0	30	Y	0	SAM				513	5.3	-107	18	1
SAV	R	32.4	17.4	0.15	0	30	Y	90	SAM				513	5.3	-107	18	1
EUH	T	27.5	12.5	0.15	0	30	Y	0	EU/AFR	1.8	44.7	44					
EUV	T	27.5	12.5	0.15	0	30	Y	90	EU/AFR	1.8	44.7	44					
EUH	R	30.5	15.5	0.15	0	30	Y	0	EU/AFR				467	3.8	-101.3	18	1
EUV	R	30.5	15.5	0.15	0	30	Y	90	EU/AFR				467	3.8	-101.3	18	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
NAH	T	C			AMC12 NA transmit.gx	-155	-155	-155	-155	-155
NAV	T	C			AMC12 NA transmit.gx	-155	-155	-155	-155	-155
NAH	R	C			AMC12 NA receive.gx					
NAV	R	C			AMC12 NA receive.gx					
SAH	T	C			AMC12 SA transmit.gx	-160	-160	-160	-160	-160
SAV	T	C			AMC12 SA transmit.gx	-160	-160	-160	-160	-160
SAH	R	C			AMC12 SA receive.gx					
SAV	R	C			AMC12 SA receive.gx					
EUH	T	C			AMC12 Eu transmit.gx	-158	-157	-157	-157	-157
EUV	T	C			AMC12 Eu transmit.gx	-158	-157	-157	-157	-157
EUH	R	C			AMC12 Eu receive.gx					
EUV	R	C			AMC12 Eu receive.gx					

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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)
NA001	36000	T	3720	V	C
NA003	36000	T	3760	V	C
NA005	36000	T	3800	V	C
NA007	36000	T	3840	V	C
NA009	36000	T	3880	V	C
NA011	36000	T	3920	V	C
NA013	36000	T	3960	V	C
NA015	36000	T	4000	V	C
NA017	36000	T	4040	V	C
NA019	36000	T	4080	V	C
NA021	36000	T	4120	V	C
NA023	36000	T	4160	V	C
NA002	36000	T	3740	H	C
NA004	36000	T	3780	H	C
NA006	36000	T	3820	H	C
NA008	36000	T	3860	H	C
NA010	36000	T	3900	H	C
NA012	36000	T	3940	H	C
NA014	36000	T	3980	H	C
NA016	36000	T	4020	H	C
NA018	36000	T	4060	H	C
NA020	36000	T	4100	H	C
NA022	36000	T	4140	H	C
NA024	36000	T	4180	H	C
SA001	36000	T	3720	H	C
SA003	36000	T	3760	H	C
SA005	36000	T	3800	H	C
SA007	36000	T	3840	H	C
SA009	36000	T	3880	H	C
SA011	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
NN002	117	NA102	NAV	NA002	NAH
NN004	117	NA104	NAV	NA004	NAH
NN006	117	NA106	NAV	NA006	NAH
NN008	117	NA108	NAV	NA008	NAH
NN010	117	NA110	NAV	NA010	NAH
NN012	117	NA112	NAV	NA012	NAH
NS002	116.3	NA102	NAV	SA002	SAV
NS004	116.3	NA104	NAV	SA004	SAV
NS006	116.3	NA106	NAV	SA006	SAV
NS008	116.3	NA108	NAV	SA008	SAV
NS010	116.3	NA110	NAV	SA010	SAV
NS012	116.3	NA112	NAV	SA012	SAV
NS014	116.3	NA114	NAV	SA014	SAV
NS016	116.3	NA116	NAV	SA016	SAV
NS018	116.3	NA118	NAV	SA018	SAV
NS020	116.3	NA120	NAV	SA020	SAV
NS022	116.3	NA122	NAV	SA022	SAV
NS024	116.3	NA124	NAV	SA024	SAV
NE014	116.3	NA114	NAV	EU014	EUV
NE016	116.3	NA116	NAV	EU016	EUV
NE018	116.3	NA118	NAV	EU018	EUV
NE020	116.3	NA120	NAV	EU020	EUV
NE022	116.3	NA122	NAV	EU022	EUV
NE024	116.3	NA124	NAV	EU024	EUV
NE001	116.3	NA101	NAH	EU001	EUH
NE003	116.3	NA103	NAH	EU003	EUH
NE005	116.3	NA105	NAH	EU005	EUH
NE007	116.3	NA107	NAH	EU007	EUH
NE009	116.3	NA109	NAH	EU009	EUH
NE011	116.3	NA111	NAH	EU011	EUH

SA013	36000	T	3960	H	C
SA015	36000	T	4000	H	C
SA017	36000	T	4040	H	C
SA019	36000	T	4080	H	C
SA021	36000	T	4120	H	C
SA023	36000	T	4160	H	C
SA002	36000	T	3740	V	C
SA004	36000	T	3780	V	C
SA006	36000	T	3820	V	C
SA008	36000	T	3860	V	C
SA010	36000	T	3900	V	C
SA012	36000	T	3940	V	C
SA014	36000	T	3980	V	C
SA016	36000	T	4020	V	C
SA018	36000	T	4060	V	C
SA020	36000	T	4100	V	C
SA022	36000	T	4140	V	C
SA024	36000	T	4180	V	C
EU001	36000	T	3720	H	C
EU003	36000	T	3760	H	C
EU005	36000	T	3800	H	C
EU007	36000	T	3840	H	C
EU009	36000	T	3880	H	C
EU011	36000	T	3920	H	C
EU013	36000	T	3960	H	C
EU015	36000	T	4000	H	C
EU017	36000	T	4040	H	C
EU019	36000	T	4080	H	C
EU021	36000	T	4120	H	C
EU023	36000	T	4160	H	C
EU002	36000	T	3740	V	C
EU004	36000	T	3780	V	C
EU006	36000	T	3820	V	C
EU008	36000	T	3860	V	C
EU010	36000	T	3900	V	C
EU012	36000	T	3940	V	C
EU014	36000	T	3980	V	C
EU016	36000	T	4020	V	C
EU018	36000	T	4060	V	C

NE013	116.3	NA113	NAH	EU013	EUH
NE015	116.3	NA115	NAH	EU015	EUH
NE017	116.3	NA117	NAH	EU017	EUH
NE019	116.3	NA119	NAH	EU019	EUH
NE021	116.3	NA121	NAH	EU021	EUH
NE023	116.3	NA123	NAH	EU023	EUH
SN002	108.9	NA102	SAH	SA002	NAH
SN004	108.9	NA104	SAH	SA004	NAH
SN006	108.9	NA106	SAH	SA006	NAH
SN008	108.9	NA108	SAH	SA008	NAH
SN010	108.9	NA110	SAH	SA010	NAH
SN012	108.9	NA112	SAH	SA012	NAH
SN014	108.9	NA114	SAH	SA014	NAH
SN016	108.9	NA116	SAH	SA016	NAH
SN018	108.9	NA118	SAH	SA018	NAH
SN020	108.9	NA120	SAH	SA020	NAH
SN022	108.9	NA122	SAH	SA022	NAH
SN024	108.9	NA124	SAH	SA024	NAH
SS002	113.3	SA102	SAH	SA002	SAV
SS004	113.3	SA104	SAH	SA004	SAV
SS006	113.3	SA106	SAH	SA006	SAV
SS008	113.3	SA108	SAH	SA008	SAV
SS010	113.3	SA110	SAH	SA010	SAV
SS012	113.3	SA112	SAH	SA012	SAV
SS014	113.3	SA114	SAH	SA014	SAV
SS016	113.3	SA116	SAH	SA016	SAV
SS018	113.3	SA118	SAH	SA018	SAV
SS020	113.3	SA120	SAH	SA020	SAV
SS022	113.3	SA122	SAH	SA022	SAV
SS024	113.3	SA124	SAH	SA024	SAV
SN001	108.9	SA101	SAV	NA001	NAV
SN003	108.9	SA103	SAV	NA003	NAV
SN005	108.9	SA105	SAV	NA005	NAV
SN007	108.9	SA107	SAV	NA007	NAV
SN009	108.9	SA109	SAV	NA009	NAV
SN011	108.9	SA111	SAV	NA011	NAV
SN013	108.9	SA113	SAV	NA013	NAV
SN015	108.9	SA115	SAV	NA015	NAV
SN017	108.9	SA117	SAV	NA017	NAV

EU020	36000	T	4100	V	C
EU022	36000	T	4140	V	C
EU024	36000	T	4180	V	C
NA101	36000	R	5945	H	C
NA103	36000	R	5985	H	C
NA105	36000	R	6025	H	C
NA107	36000	R	6065	H	C
NA109	36000	R	6105	H	C
NA111	36000	R	6145	H	C
NA113	36000	R	6185	H	C
NA115	36000	R	6225	H	C
NA117	36000	R	6265	H	C
NA119	36000	R	6305	H	C
NA121	36000	R	6345	H	C
NA123	36000	R	6385	H	C
NA102	36000	R	5965	V	C
NA104	36000	R	6005	V	C
NA106	36000	R	6045	V	C
NA108	36000	R	6085	V	C
NA110	36000	R	6125	V	C
NA112	36000	R	6165	V	C
NA114	36000	R	6205	V	C
NA116	36000	R	6245	V	C
NA118	36000	R	6285	V	C
NA120	36000	R	6325	V	C
NA122	36000	R	6365	V	C
NA124	36000	R	6405	V	C
SA101	36000	R	5945	V	C
SA103	36000	R	5985	V	C
SA105	36000	R	6025	V	C
SA107	36000	R	6065	V	C
SA109	36000	R	6105	V	C
SA111	36000	R	6145	V	C
SA113	36000	R	6185	V	C
SA115	36000	R	6225	V	C
SA117	36000	R	6265	V	C
SA119	36000	R	6305	V	C
SA121	36000	R	6345	V	C
SA123	36000	R	6385	V	C

SN019	108.9	SA119	SAV	NA019	NAV
SN021	108.9	SA121	SAV	NA021	NAV
SN023	108.9	SA123	SAV	NA023	NAV
SS001	108.9	SA101	SAV	SA001	SAH
SS003	108.9	SA103	SAV	SA003	SAH
SS005	108.9	SA105	SAV	SA005	SAH
SS007	108.9	SA107	SAV	SA007	SAH
SS009	108.9	SA109	SAV	SA009	SAH
SS011	108.9	SA111	SAV	SA011	SAH
SE013	113.3	SA113	SAV	EU013	EUH
SE015	113.3	SA115	SAV	EU015	EUH
SE017	113.3	SA117	SAV	EU017	EUH
SE019	113.3	SA119	SAV	EU019	EUH
SE021	113.3	SA121	SAV	EU021	EUH
SE023	113.3	SA123	SAV	EU023	EUH
EN014	107.9	NA114	EUH	EU014	NAH
EN016	107.9	NA116	EUH	EU016	NAH
EN018	107.9	NA118	EUH	EU018	NAH
EN020	107.9	NA120	EUH	EU020	NAH
EN022	107.9	NA122	EUH	EU022	NAH
EN024	107.9	NA124	EUH	EU024	NAH
EN001	107.9	EU101	EUV	NA001	NAV
EN003	107.9	EU103	EUV	NA003	NAV
EN005	107.9	EU105	EUV	NA005	NAV
EN007	107.9	EU107	EUV	NA007	NAV
EN009	107.9	EU109	EUV	NA009	NAV
EN011	107.9	EU111	EUV	NA011	NAV
EN013	107.9	EU113	EUV	NA013	NAV
EN015	107.9	EU115	EUV	NA015	NAV
EN017	107.9	EU117	EUV	NA017	NAV
EN019	107.9	EU119	EUV	NA019	NAV
EN021	107.9	EU121	EUV	NA021	NAV
EN023	107.9	EU123	EUV	NA023	NAV
ES001	111.3	EU101	EUV	SA001	SAH
ES003	111.3	EU103	EUV	SA003	SAH
ES005	111.3	EU105	EUV	SA005	SAH
ES007	111.3	EU107	EUV	SA007	SAH
ES009	111.3	EU109	EUV	SA009	SAH
ES011	111.3	EU111	EUV	SA011	SAH

SA102	36000	R	5965	H	C
SA104	36000	R	6005	H	C
SA106	36000	R	6045	H	C
SA108	36000	R	6085	H	C
SA110	36000	R	6125	H	C
SA112	36000	R	6165	H	C
SA114	36000	R	6205	H	C
SA116	36000	R	6245	H	C
SA118	36000	R	6285	H	C
SA120	36000	R	6325	H	C
SA122	36000	R	6365	H	C
SA124	36000	R	6405	H	C
EU101	36000	R	5945	V	C
EU103	36000	R	5985	V	C
EU105	36000	R	6025	V	C
EU107	36000	R	6065	V	C
EU109	36000	R	6105	V	C
EU111	36000	R	6145	V	C
EU113	36000	R	6185	V	C
EU115	36000	R	6225	V	C
EU117	36000	R	6265	V	C
EU119	36000	R	6305	V	C
EU121	36000	R	6345	V	C
EU123	36000	R	6385	V	C
EU202	36000	R	5965	H	C
EU204	36000	R	6005	H	C
EU206	36000	R	6045	H	C
EU208	36000	R	6085	H	C
EU210	36000	R	6125	H	C
EU212	36000	R	6165	H	C
EU214	36000	R	6205	H	C
EU216	36000	R	6245	H	C
EU218	36000	R	6285	H	C
EU220	36000	R	6325	H	C
EU222	36000	R	6365	H	C
EU224	36000	R	6405	H	C

ES013	111.3	EU113	EUV	SA013	SAH
ES015	111.3	EU115	EUV	SA015	SAH
ES017	111.3	EU117	EUV	SA017	SAH
ES019	111.3	EU119	EUV	SA019	SAH
ES021	111.3	EU121	EUV	SA021	SAH
ES023	111.3	EU123	EUV	SA023	SAH
EE002	112.3	EU202	EUH	EU002	EUV
EE004	112.3	EU204	EUH	EU004	EUV
EE006	112.3	EU206	EUH	EU006	EUV
EE008	112.3	EU208	EUH	EU008	EUV
EE010	112.3	EU210	EUH	EU010	EUV
EE012	112.3	EU212	EUH	EU012	EUV
EE014	112.3	EU214	EUH	EU014	EUV
EE016	112.3	EU216	EUH	EU016	EUV
EE018	112.3	EU218	EUH	EU018	EUV
EE020	112.3	EU220	EUH	EU020	EUV
EE022	112.3	EU222	EUH	EU022	EUV
EE024	112.3	EU224	EUH	EU024	EUV
EE001	112.3	EU101	EUV	EU001	EUH
EE003	112.3	EU103	EUV	EU003	EUH
EE005	112.3	EU105	EUV	EU005	EUH
EE007	112.3	EU107	EUV	EU007	EUH
EE009	112.3	EU109	EUV	EU009	EUH
EE011	112.3	EU111	EUV	EU011	EUH
SE002	113.3	SA102	SAH	EU002	EUV
SE004	113.3	SA104	SAH	EU004	EUV
SE006	113.3	SA106	SAH	EU006	EUV
SE008	113.3	SA108	SAH	EU008	EUV
SE010	113.3	SA110	SAH	EU010	EUV
SE012	113.3	SA112	SAH	EU012	EUV

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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)
A	36M0G7W	36000	4	40000	0.691		6.8	19
B	6M95G1W	6950	4	8000	0.691		6.8	19
C	36M0G7W	36000	8	60000	0.614		9.9	22.1
D	36M0G7W	36000	16	110000	0.806		16.6	28.8
E	100KG1W	100	4	56	0.691		6.8	19
F	1M35G7W	1350	4	1544	0.691		6.8	19

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Page 8: Analog Modulation

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						
G	36M0F3F	36000	TV/FM	1					NTSC	12.8	1.29		12	26

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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/m ² /Hz)	(o) Assoc. Stn Rec. G/T (dB/K)
NE001	NE023	A		1		Table 1 AMC12		53.2	14	32.6	33.5	43.5	-157.4	22.3
NE001	NE023	B		5	6950	Table 1 AMC12		53.2	-0.9	17.1	22.5	36.4	-157.6	22.3
NE001	NE023	C		1		Table 1 AMC12		53.2	14.6	32.6	36.2	43.5	-157.9	22.3
NE001	NE023	D		1		Table 1 AMC12		47.2	18.5	36.5	41.5	43.5	-158.1	29.8
NE001	NE023	E		360	100	Table 1 AMC12		47.2	-13.9	4.1	3.5	17.9	-154.4	22.3
NE001	NE023	F		26	1350	Table 1 AMC12		53.2	1.3	19.3	17.3	29.2	-157.5	22.3
NE001	NE023		G	1		Table 2 AMC12	6000	53.2	14.6	32.6	38.5	43.5	-150.6	22.3

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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: Woodbine TT&C			
S14b. City: Mt. Airy	S14c. County:	S14d. State/Country MD	S14e. Zip Code: 21771
S14f. Telephone Number: 410-549-4300		S14g. Call Sign of Control Station (if appropriate): E7169	

Remote Control (TT C) Location(s):

S14a: Street Address: Vernon Valley Spacecraft Ops			
S14b. City: Sussex	S14c. County:	S14d. State/Country NJ	S14e. Zip Code: 07461
S14f. Telephone Number: 973-823-6000		S14g. Call Sign of Control Station (if appropriate): WB81	

Remote Control (TT C) Location(s):

S14a: Street Address: Grand Junction			
S14b. City: Grand Junction	S14c. County:	S14d. State/Country CO	S14e. Zip Code: 81505
S14f. Telephone Number: 970-241-8300		S14g. Call Sign of Control Station (if appropriate): E890537	

Remote Control (TT C) Location(s):

S14a: Street Address: SES Americom			
S14b. City: Somis	S14c. County:	S14d. State/Country CA	S14e. Zip Code: 93066
S14f. Telephone Number: 805-386-4195		S14g. Call Sign of Control Station (if appropriate): E940156	

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S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S15a. Mass of spacecraft without fuel (kg): 2286	Spacecraft Dimensions (meters)	Probability of Survival to End of Life (0.0 - 1.0)
S15b. Mass of fuel and disposables at launch (kg): 2667		
S15c. Mass of spacecraft and fuel at launch (kg): 4953	S15f. Length (m): 3.531	S15i. Payload: 0.8917
S15d. Mass of fuel, in orbit, at beginning of life (kg): 3250.8	S15g. Width (m): 2.747	S15j. Bus: 0.8977
S15e. Deployed Area of Solar Array (square meters): 48.66	S15h. Height (m): 5.5	S15k. Total: 0.8

S16. SPACECRAFT ELECTRICAL CHARACTERISTICS:

Spacecraft Subsystem	Electrical Power (Watts) At Beginning of Life		Electrical Power (Watts) At End of Life	
	At Equinox	At Solstice	At Equinox	At Solstice
Payload (Watts):	(a): 7481.7	(f): 7481.7	(k): 7481.7	(p): 7481.7
Bus (Watts):	(b): 3356.5	(g): 1388	(l): 2104.8	(q): 1334.1
Total (Watts):	(c): 10838.2	(h): 8869.7	(m): 9586.5	(r): 8815.8
Solar Array (Watts):	(d): 12912	(i): 11519	(n): 10359	(s): 9409
Depth of Battery Discharge (%):	(e) 73.9 %	(j) %	(o) 73.9 %	(t) %

S17. CERTIFICATIONS:

a. Are the power flux density limits of § 25.208 met?	<input 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 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 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.