

S1. GENERAL INFORMATION Complete for all satellite applications.

| | | |
|--|---|--|
| a. Space Station or Satellite Network Name: AMC-9 | e. Estimated Date of Placement into Service: 6/30/2003 | i. Will the space station(s) operate on a Common Carrier Basis: N |
| b. Construction Commencement Date: | f. Estimated Lifetime of Satellite(s): 20 Years | j. Number of transponders offered on a common carrier basis: 0 |
| c. Construction Completion Date: | g. Total Number of Transponders: 48 | k. Total Common Carrier Transponder Bandwidth: 0 MHz |
| d. Estimated Launch Date: 6/7/2003 | h. Total Transponder Bandwidth (no. transponders x Bandwidth) 1728 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) | | |
| 11700 | M | 12200 | M | T | Direct to Home in the Fixed Fixed Satellite Service |
| 11700 | M | 12200 | M | T | Fixed Satellite Service |
| 14000 | M | 14500 | M | R | Direct to Home in the Fixed Fixed Satellite Service |
| 14000 | M | 14500 | M | R | Fixed Satellite Service |
| 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): 83 W | b. Alternate Orbital Longitude (Degrees E/W): | | c. Reason for orbital location selection: The geostationary arc, for providing domestic service in the C and Ku frequency bands, is heavily used. Most orbit locations are already occupied or licensed by the FCC. 83°W.L. was selected because it recently became available for re-assignment, and adequate coverage (e.g., minimum elevation angle) of the desired service areas is possible from this location. |
| Longitudinal Tolerance or E/W Station-Keeping: | f. Inclination Excursion or N/S Station-Keeping Tolerance: | Range of orbital arc in which adequate service can be provided (Optional): | |
| d. Toward West: 0.05 Degrees | | g. Westernmost: W | |
| e. Toward East: 0.05 Degrees | 0.05 Degrees | 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. |
|---------------------|---|---|---|
| CNA | E | | -15 dB gain contour of beams CUH and CUV for the uplink; -10 dB gain contour of beams CDH and CDV for the |

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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 |
| CDH | T | C | -83 | | W H 12C EIRP 41_4_4 | -152 | -151 | -151 | -150 | -150 |
| CDV | T | C | -83 | | W V 13C EIRP 41_4_4 | -152 | -151 | -151 | -150 | -150 |
| CUH | R | C | -83 | | 9 83W H 13C G_T 5 | | | | | |
| CUV | R | C | -83 | | 9 83W V 12C G_T 5 | | | | | |
| KUH | R | C | -83 | | 9 83W H 13K G_T 4_ | | | | | |
| KUV | R | C | -83 | | 9 83W V 12K G_T 4_ | | | | | |
| KDH | T | C | -83 | | W H 12K EIRP 53_3 | | | | | |
| KDV | T | C | -83 | | W V 13K EIRP 53_3 | | | | | |

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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) |
|-----------------------|------------------------------------|--------------------|----------------------------------|-------------------------------------|---|
| CD007 | 36000 | T | 3840 | H | C |
| CD009 | 36000 | T | 3880 | H | C |
| CD011 | 36000 | T | 3920 | H | C |
| CD013 | 36000 | T | 3960 | H | C |
| CD015 | 36000 | T | 4000 | H | C |
| CD017 | 36000 | T | 4040 | H | C |
| CD019 | 36000 | T | 4080 | H | C |
| CD021 | 36000 | T | 4120 | H | C |
| CD023 | 36000 | T | 4160 | H | C |
| CD002 | 36000 | T | 3740 | V | C |
| CD004 | 36000 | T | 3780 | V | C |
| CD006 | 36000 | T | 3820 | V | C |
| CD008 | 36000 | T | 3860 | V | C |
| CD010 | 36000 | T | 3900 | V | C |
| CD012 | 36000 | T | 3940 | V | C |
| CD014 | 36000 | T | 3980 | V | C |
| CD016 | 36000 | T | 4020 | V | C |
| CD018 | 36000 | T | 4060 | V | C |
| CD020 | 36000 | T | 4100 | V | C |
| CD022 | 36000 | T | 4140 | V | C |
| CD024 | 36000 | T | 4180 | V | C |
| CU001 | 36000 | R | 5945 | V | C |
| CU003 | 36000 | R | 5985 | V | C |
| CU005 | 36000 | R | 6025 | V | C |
| CU007 | 36000 | R | 6065 | V | C |
| CU009 | 36000 | R | 6105 | V | C |
| CU011 | 36000 | R | 6145 | V | C |
| CU013 | 36000 | R | 6185 | V | C |
| CU015 | 36000 | R | 6225 | V | C |
| CU017 | 36000 | R | 6265 | V | 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 | 117.4 | CU001 | CUH | CD001 | CDV |
| C0003 | 117.4 | CU003 | CUH | CD003 | CDV |
| C0005 | 117.4 | CU005 | CUH | CD005 | CDV |
| C0007 | 117.4 | CU007 | CUH | CD007 | CDV |
| C0009 | 117.4 | CU009 | CUH | CD009 | CDV |
| C0011 | 117.4 | CU011 | CUH | CD011 | CDV |
| C0013 | 117.4 | CU013 | CUH | CD013 | CDV |
| C0015 | 117.4 | CU015 | CUH | CD015 | CDV |
| C0017 | 117.4 | CU017 | CUH | CD017 | CDV |
| C0019 | 117.4 | CU019 | CUH | CD019 | CDV |
| C0021 | 117.4 | CU021 | CUH | CD021 | CDV |
| C0023 | 117.4 | CU023 | CUH | CD023 | CDV |
| C0002 | 117.4 | CU002 | CUV | CD002 | CDH |
| C0004 | 117.4 | CU004 | CUV | CD004 | CDH |
| C0006 | 117.4 | CU006 | CUV | CD006 | CDH |
| C0008 | 117.4 | CU008 | CUV | CD008 | CDH |
| C0010 | 117.4 | CU010 | CUV | CD010 | CDH |
| C0012 | 117.4 | CU012 | CUV | CD012 | CDH |
| C0014 | 117.4 | CU014 | CUV | CD014 | CDH |
| C0016 | 117.4 | CU016 | CUV | CD016 | CDH |
| C0018 | 117.4 | CU018 | CUV | CD018 | CDH |
| C0020 | 117.4 | CU020 | CUV | CD020 | CDH |
| C0022 | 117.4 | CU022 | CUV | CD022 | CDH |
| C0024 | 117.4 | CU024 | CUV | CD024 | CDH |
| K0001 | 128.5 | KU001 | KUH | KD001 | KDV |
| K0003 | 128.5 | KU003 | KUH | KD003 | KDV |
| K0005 | 128.5 | KU005 | KUH | KD005 | KDV |
| K0007 | 128.5 | KU007 | KUH | KD007 | KDV |
| K0009 | 128.5 | KU009 | KUH | KD009 | KDV |
| K0011 | 128.5 | KU011 | KUH | KD011 | KDV |

| | | | | | |
|-------|-------|---|-------|---|---|
| CU019 | 36000 | R | 6305 | V | C |
| CU021 | 36000 | R | 6345 | V | C |
| CU023 | 36000 | R | 6385 | V | C |
| CU002 | 36000 | R | 5965 | H | C |
| CU004 | 36000 | R | 6005 | H | C |
| CU006 | 36000 | R | 6045 | H | C |
| CU008 | 36000 | R | 6085 | H | C |
| CU010 | 36000 | R | 6125 | H | C |
| CU012 | 36000 | R | 6165 | H | C |
| CU014 | 36000 | R | 6205 | H | C |
| CU016 | 36000 | R | 6245 | H | C |
| CU018 | 36000 | R | 6285 | H | C |
| CU020 | 36000 | R | 6325 | H | C |
| CU022 | 36000 | R | 6365 | H | C |
| CU024 | 36000 | R | 6405 | H | C |
| KD001 | 36000 | T | 11720 | V | C |
| KD003 | 36000 | T | 11760 | V | C |
| KD005 | 36000 | T | 11800 | V | C |
| KD007 | 36000 | T | 11840 | V | C |
| KD009 | 36000 | T | 11880 | V | C |
| KD011 | 36000 | T | 11920 | V | C |
| KD013 | 36000 | T | 11960 | V | C |
| KD015 | 36000 | T | 12000 | V | C |
| KD017 | 36000 | T | 12040 | V | C |
| KD019 | 36000 | T | 12080 | V | C |
| KD021 | 36000 | T | 12120 | V | C |
| KD023 | 36000 | T | 12160 | V | C |
| KD002 | 36000 | T | 11740 | H | C |
| KD004 | 36000 | T | 11780 | H | C |
| KD006 | 36000 | T | 11820 | H | C |
| KD008 | 36000 | T | 11860 | H | C |
| KD010 | 36000 | T | 11900 | H | C |
| KD012 | 36000 | T | 11940 | H | C |
| KD014 | 36000 | T | 11980 | H | C |
| KD016 | 36000 | T | 12020 | H | C |
| KD018 | 36000 | T | 12060 | H | C |
| KD020 | 36000 | T | 12100 | H | C |
| KD022 | 36000 | T | 12140 | H | C |
| KD024 | 36000 | T | 12180 | H | C |

| | | | | | |
|-------|-------|-------|-----|-------|-----|
| K0013 | 128.5 | KU013 | KUH | KD013 | KDV |
| K0015 | 128.5 | KU015 | KUH | KD015 | KDV |
| K0017 | 128.5 | KU017 | KUH | KD017 | KDV |
| K0019 | 128.5 | KU019 | KUH | KD019 | KDV |
| K0021 | 128.5 | KU021 | KUH | KD021 | KDV |
| K0023 | 128.5 | KU023 | KUH | KD023 | KDV |
| K0002 | 128.5 | KU002 | KUV | KD002 | KDH |
| K0004 | 128.5 | KU004 | KUV | KD004 | KDH |
| K0006 | 128.5 | KU006 | KUV | KD006 | KDH |
| K0008 | 128.5 | KU008 | KUV | KD008 | KDH |
| K0010 | 128.5 | KU010 | KUV | KD010 | KDH |
| K0012 | 128.5 | KU012 | KUV | KD012 | KDH |
| K0014 | 128.5 | KU014 | KUV | KD014 | KDH |
| K0016 | 128.5 | KU016 | KUV | KD016 | KDH |
| K0018 | 128.5 | KU018 | KUV | KD018 | KDH |
| K0020 | 128.5 | KU020 | KUV | KD020 | KDH |
| K0022 | 128.5 | KU022 | KUV | KD022 | KDH |
| K0024 | 128.5 | KU024 | KUV | KD024 | KDH |

| | | | | | |
|-------|-------|---|-------|---|---|
| KU001 | 36000 | R | 14020 | H | C |
| KU003 | 36000 | R | 14060 | H | C |
| KU005 | 36000 | R | 14100 | H | C |
| KU007 | 36000 | R | 14140 | H | C |
| KU009 | 36000 | R | 14180 | H | C |
| KU011 | 36000 | R | 14220 | H | C |
| KU013 | 36000 | R | 14260 | H | C |
| KU015 | 36000 | R | 14300 | H | C |
| KU017 | 36000 | R | 14340 | H | C |
| KU019 | 36000 | R | 14380 | H | C |
| KU021 | 36000 | R | 14420 | H | C |
| KU023 | 36000 | R | 14460 | H | C |
| KU002 | 36000 | R | 14040 | V | C |
| KU004 | 36000 | R | 14080 | V | C |
| KU006 | 36000 | R | 14120 | V | C |
| KU008 | 36000 | R | 14160 | V | C |
| KU010 | 36000 | R | 14200 | V | C |
| KU012 | 36000 | R | 14240 | V | C |
| KU014 | 36000 | R | 14280 | V | C |
| KU016 | 36000 | R | 14320 | V | C |
| KU018 | 36000 | R | 14360 | V | C |
| KU020 | 36000 | R | 14400 | V | C |
| KU022 | 36000 | R | 14440 | V | C |
| KU024 | 36000 | R | 14480 | V | C |
| CD001 | 36000 | T | 3720 | H | C |
| CD003 | 36000 | T | 3760 | H | C |
| CD005 | 36000 | T | 3800 | H | C |

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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) | | EIRP (dBW) | | (n) Max. Power Flux Density (dBW/m ² /Hz) | (o) Assoc. Stn Rec. G/T (dB/K) |
| | | | | | | (j) Min. | (k) Max. | | (l) Min. | (m) Max. | | | | |
| C0001 | C0024 | A | | 1 | | 17 | | 53.8 | 7.7 | 26.7 | 31.6 | 41.4 | -159.5 | 22.3 |
| C0001 | C0024 | B | | 5 | 6950 | 17 | | 53.8 | -7.8 | 11.2 | 22.7 | 34.9 | -159.7 | 23.7 |
| C0001 | C0024 | C | | 1 | | 19 | | 53.8 | 7.7 | 26.7 | 31.1 | 41.4 | -160 | 29.8 |
| C0001 | C0024 | D | | 1 | | | | 53.8 | 7.7 | 26.7 | 36.3 | 41.4 | -160.2 | 29.8 |
| C0001 | C0024 | E | | 360 | 100 | | | 47.8 | -20 | -1.8 | 3 | 15.8 | -156.5 | 22.3 |
| C0001 | C0024 | F | | 26 | 1350 | | | 47.8 | -5.6 | 13.4 | 17.8 | 27.7 | -159.6 | 22.3 |
| K0001 | K0024 | A | | 1 | | | | 57.3 | 7.2 | 26 | 47.7 | 53.3 | -147.6 | 17.1 |
| K0001 | K0024 | B | | 5 | 6950 | | | 53 | -3.9 | 14.9 | 34.9 | 46.8 | -147.2 | 25.6 |
| K0001 | K0024 | C | | 1 | | | | 57.3 | 7.2 | 26 | 45.7 | 53.3 | -148.1 | 25.6 |
| K0001 | K0024 | D | | 1 | | | | 60.7 | 3.8 | 22.6 | 48.6 | 53.3 | -148.3 | 33.6 |
| K0001 | K0024 | E | | 360 | 100 | | | 46.7 | -14.8 | 4 | 17.5 | 27.7 | -144.6 | 19.6 |
| K0001 | K0024 | F | | 26 | 1350 | | | 46.7 | -4.8 | 14 | 27.8 | 39.6 | -147.1 | 25.6 |
| C0001 | C0024 | G | | 1 | | | 5500 | 53.2 | 8.3 | 27.3 | 35.3 | 41.4 | -152.3 | 23.7 |
| C0001 | C0001 | | | 1 | | | 2000 | 57.2 | 7.3 | 26.1 | 46.1 | 53.3 | -136 | 29.4 |

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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): | Spacecraft Dimensions (meters) | Probability of Survival to End of Life (0.0 - 1.0) |
| S15b. Mass of fuel and disposables at launch (kg): | | |
| S15c. Mass of spacecraft and fuel at launch (kg): | S15f. Length (m): 6.9 | S15i. Payload: |
| S15d. Mass of fuel, in orbit, at beginning of life (kg): | S15g. Width (m): 1.8 | S15j. Bus: |
| S15e. Deployed Area of Solar Array (square meters): 64.9 | S15h. Height (m): 3.7 | S15k. Total: |

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): 6125 | (f): 6125 | (k): | (p): |
| Bus (Watts): | (b): 2046 | (g): 1143 | (l): | (q): |
| Total (Watts): | (c): 8171 | (h): 7267 | (m): | (r): |
| Solar Array (Watts): | (d): 10744 | (i): 9608 | (n): | (s): |
| Depth of Battery Discharge (%): | (e) % | (j) % | (o) % | (t) % |

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.