

**S1. GENERAL INFORMATION** Complete for all satellite applications.

|   |                          |   |  |  |  |
|---|--------------------------|---|--|--|--|
| a. Space Station or Satellite Network Name:<br>SKYTERRA-2 |                          | e. Estimated Date of Placement into Service:                              |  | i. Will the space station(s) operate on a Common Carrier Basis:<br>N   |  |
| b. Construction Commencement Date:                        |                          | f. Estimated Lifetime of Satellite(s):<br>12 Years                        |  | j. Number of transponders offered on a common carrier basis:<br>0  |  |
| c. Construction Completion Date:                          |                          | g. Total Number of Transponders:<br>121                                   |  | k. Total Common Carrier Transponder Bandwidth:<br>0 MHz  |  |
| d1. Est Launch Date Begin:                                | d2. Est Launch Date End: | h. Total Transponder Bandwidth (no. transponders x Bandwidth)<br>9632 MHz |  | i. Orbit Type: Mark all boxes that apply:<br><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) |             |   |
| 18.3                  | G               | 18.8                  | G               | T           | Fixed Satellite Service                                   |
| 19.7                  | G               | 20.2                  | G               | T           | Fixed Satellite Service                                   |
| 28.35                 | G               | 28.6                  | G               | R           | Fixed Satellite Service                                   |
| 29.25                 | G               | 30                    | G               | R           | Fixed Satellite Service                                   |
| 5926.25               | M               | 5926.75               | M               | R           | Fixed Satellite Service                                   |
| 6424.25               | M               | 6424.75               | M               | R           | Fixed Satellite Service                                   |
| 3700.75               | M               | 3701.25               | M               | T           | Fixed Satellite Service                                   |
| 4198.75               | M               | 4199.25               | M               | T           | Fixed Satellite Service                                   |

**S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:**

|   |              |  |  |  |  |  |  |
|---|--------------|--|--|--|--|--|--|
| a. Nominal Orbital Longitude (Degrees E/W):<br>95 W |              | b. Alternate Orbital Longitude (Degrees E/W):              |  | c. Reason for orbital location selection:<br>Spectrum availability and look angle performance across service area. |  |  |  |
| 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):<br>Degrees      E/W |  |
| d. Toward West:                                     | 0.05 Degrees | e. Toward East:  |  |  |  | g. Westernmost:<br>h. Easternmost:   |  |
| i. Reason for service are selection (Optional):     |              |  |  |  |  |  |  |

**FEDERAL COMMUNICATIONS COMMISSION  
SATELLITE SPACE STATION AUTHORIZATIONS  
FCC Form 312 - Schedule S: (Technical and Operational Description)**

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**

**FEDERAL COMMUNICATIONS COMMISSION  
 SATELLITE SPACE STATION AUTHORIZATIONS  
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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. |
|---------------------|---|---|---|
| CONUS               | S   |   | Continental United States   |

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

| (a)<br>Beam<br>ID | (b)<br>T/R<br>Mode | (c) Isotropic Antenna Gain |                   | (e)<br>Pointing<br>Error<br>(Degrees) | (f)<br>Rotational<br>Error<br>(Degrees) | (g) Min.<br>Cross-<br>Polar Iso-<br>lation (dB) | (h) Polar-<br>ization<br>Switch-<br>able?<br>(Y/N) | (i) Polarization<br>Alignment Rel.<br>Equatorial<br>Plane (Degrees) | (j) Service<br>Area ID | Transmit                       |                                      |                              | Receive                            |                                       |  |                       |                  |
|-------------------|--------------------|----------------------------|-------------------|---------------------------------------|---|---|--|---|------------------------|--------------------------------|--------------------------------------|------------------------------|------------------------------------|---------------------------------------|--|-----------------------|------------------|
|                   |                    | (c) Peak<br>(dBi)          | (d) Edge<br>(dBi) |                                       |   |   |  |   |                        | (k)<br>Input<br>Losses<br>(dB) | (l) Effective<br>Output<br>Power (W) | (m)<br>Max.<br>EIRP<br>(dBW) | (n)<br>System<br>Noise<br>Temp (k) | (o) G/T<br>Max.<br>Gain Pt.<br>(dB/K) | (p) Min.<br>Saturation<br>Flux Density<br>(dBW/m2) | Input Attenuator (dB) |                  |
|                   |                    |                            |                   |                                       |   |   |  |   |                        |                                |                                      |                              |                                    |                                       |  | (q) Max.<br>Value     | (r) Step<br>Size |
| SPU1              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU4              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU7              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU8              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU9              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU1              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU1              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU1              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU1              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU2              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU3              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU4              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| SPU4              | R                  | 55.2                       | 51.2              | 0.03                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 741                                | 26.5                                  | -81.6  | 15                    | 1                |
| RU2               | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU4               | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU6               | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU8               | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU11              | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU13              | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU15              | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |
| RU17              | R                  | 46.1                       | 42.1              | 0.11                                  | 0.01                                    | 30  | N  |   | CONUS                  |                                |                                      |                              | 826                                | 16.9                                  | -81.6  | 15                    | 1                |

|      |   |      |      |      |      |    |   |  |  |       |     |       |       |     |      |       |    |   |
|------|---|------|------|------|------|----|---|--|--|-------|-----|-------|-------|-----|------|-------|----|---|
| RU19 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU21 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU23 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU25 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU28 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU30 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| RU32 | R | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS |     |       |       | 826 | 16.9 | -81.6 | 15 | 1 |
| SPD1 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD4 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 22.49 | 65.72 |     |      |       |    |   |
| SPD7 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD8 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD9 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD1 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD1 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 14.06 | 63.68 |     |      |       |    |   |
| SPD1 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD2 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 36.55 | 67.83 |     |      |       |    |   |
| SPD2 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 36.55 | 67.83 |     |      |       |    |   |
| SPD2 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD2 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 22.49 | 65.72 |     |      |       |    |   |
| SPD2 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 22.49 | 65.72 |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 39.36 | 68.15 |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD3 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD4 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| SPD4 | T | 52.2 | 48.1 | 0.03 | 0.01 | 30 | N |  |  | CONUS | 2.5 | 56.23 | 69.7  |     |      |       |    |   |
| RD11 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD17 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD23 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD32 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD2  | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD19 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD15 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD25 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD21 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD6  | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |
| RD30 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  |  | CONUS | 2.1 | 37    | 61.8  |     |      |       |    |   |

|      |   |      |      |      |      |    |   |  |       |     |       |       |      |     |  |  |  |
|------|---|------|------|------|------|----|---|--|-------|-----|-------|-------|------|-----|--|--|--|
| RD13 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  | CONUS | 2.1 | 37    | 61.8  |      |     |  |  |  |
| RD28 | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  | CONUS | 2.1 | 37    | 61.8  |      |     |  |  |  |
| RD8  | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  | CONUS | 2.1 | 37    | 61.8  |      |     |  |  |  |
| RD4  | T | 46.1 | 42.1 | 0.11 | 0.01 | 30 | N |  | CONUS | 2.1 | 37    | 61.8  |      |     |  |  |  |
| CON  | T | 36   | 26   | 0.11 | 0.01 | 30 | N |  | CONUS | 2.5 | 292.4 | 60.66 |      |     |  |  |  |
| CON  | T | 36   | 26   | 0.11 | 0.01 | 30 | N |  | CONUS | 2.5 | 292.4 | 60.66 |      |     |  |  |  |
| TLM  | T | 28   | 25   | 0.11 | 0.01 | 30 | N |  | CONUS | 2.8 | 0.166 | 20.2  |      |     |  |  |  |
| OMN  | T | 0    | -4   | 0.11 | 0.01 | 30 | N |  | CONUS | 3.6 | 16.2  | 12.1  |      |     |  |  |  |
| OMN  | R | 0    | -4   | 0.11 | 0.01 | 30 | N |  | CONUS |     |       |       | 1000 | -30 |  |  |  |
| OMN  | T | 0    | -4   | 0.11 | 0.01 | 30 | N |  | CONUS | 3.6 | 16.2  | 12.1  |      |     |  |  |  |
| OMN  | R | 0    | -4   | 0.11 | 0.01 | 30 | N |  | CONUS |     |       |       | 1000 | -30 |  |  |  |

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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)<br>Beam<br>ID | (b)<br>T/R<br>Mode | (c) Co-or<br>Cross<br>Polar<br>Mode ("C"<br>or" X") | (d) GSO<br>Ref.<br>Orbital<br>Longitude<br>(Deg. E/W) | (e) NGSO Antenna Gain<br>Contour Description<br>(Figure/Table/ Exhibit) | (f) GSO Antenna<br>Gain Contour Data<br>(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 |
| CON               | T                  | C   | -95   |   | CONL.gxt   | -118   | -118       | -118       | -118       | -118       |
| CON               | T                  | C   | -95   |   | CONR.gxt   | -118   | -118       | -118       | -118       | -118       |
| TLM               | T                  | C   | -95   |   | TLMR.gxt   | -134.4   | -134.4     | -134.4     | -134.4     | -134.4     |
| CON               | T                  | C   | -95   |   | CONL.gxt   | -118   | -118       | -118       | -118       | -118       |
| CON               | T                  | C   | -95   |   | CONR.gxt   | -118   | -118       | -118       | -118       | -118       |
| TLM               | T                  | C   | -95   |   | TLMR.gxt   | -134.4   | -134.4     | -134.4     | -134.4     | -134.4     |

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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) |
|-----------------|------------------------------|--------------|----------------------------|-------------------------------|----------------------------------|
| U1              | 85000                        | R            | 29872.5                    | L                             | C                                |
| D1              | 85000                        | T            | 18522.5                    | R                             | C                                |
| U2              | 10500                        | R            | 29795                      | R                             | C                                |
| D2              | 10500                        | T            | 18445                      | R                             | C                                |
| U3              | 10500                        | R            | 29774                      | R                             | C                                |
| D3              | 10500                        | T            | 18424                      | R                             | C                                |
| U4              | 10500                        | R            | 29754                      | R                             | C                                |
| D4              | 10500                        | T            | 18404                      | R                             | C                                |
| U5              | 10500                        | R            | 29733                      | R                             | C                                |
| D5              | 10500                        | T            | 18383                      | R                             | C                                |
| U6              | 60000                        | R            | 29655                      | L                             | C                                |
| D6              | 60000                        | T            | 18716                      | L                             | C                                |
| D7              | 60000                        | T            | 18608                      | L                             | C                                |
| U7              | 292000                       | R            | 29406                      | L                             | C                                |
| D8              | 292000                       | T            | 19851                      | R                             | C                                |
| U8              | 46250                        | R            | 28398.125                  | L                             | C                                |
| U9              | 46250                        | R            | 28444.375                  | L                             | C                                |
| U10             | 46250                        | R            | 28490.625                  | L                             | C                                |
| U11             | 46250                        | R            | 28536.875                  | L                             | C                                |
| D9              | 46250                        | T            | 20028.125                  | L                             | C                                |
| D10             | 46250                        | T            | 20074.375                  | R                             | C                                |
| D11             | 46250                        | T            | 20120.625                  | L                             | C                                |
| D12             | 46250                        | T            | 20166.875                  | R                             | C                                |
| C1              | 500                          | R            | 5926.5                     | V                             | C                                |
| C2              | 500                          | R            | 6424.5                     | H                             | C                                |
| C3              | 500                          | R            | 29998                      | L                             | C                                |
| T1              | 500                          | T            | 3701                       | V                             | C                                |
| T2              | 500                          | T            | 4199                       | H                             | C                                |
| T3              | 500                          | T            | 20199                      | R                             | C                                |

| (a) Transponder ID | (b) Transponder Gain (dB) | Receive Band    |             | Transmit Band   |             |
|--------------------|---------------------------|-----------------|-------------|-----------------|-------------|
|                    |                           | (c) Channel No. | (d) Beam ID | (e) Channel No. | (f) Beam ID |
| SR1                | 93.3                      | U1              | SPU1        | D1              | SPD1        |
| SR2                | 90.9                      | U1              | SPU4        | D1              | SPD4        |
| SR3                | 93.3                      | U1              | SPU7        | D1              | SPD7        |
| SR4                | 93.3                      | U1              | SPU8        | D1              | SPD8        |
| SR5                | 94.9                      | U1              | SPU9        | D1              | SPD9        |
| SR6                | 94.9                      | U1              | SPU12       | D1              | SPD12       |
| SR7                | 88.9                      | U1              | SPU15       | D1              | SPD15       |
| SR8                | 93.3                      | U1              | SPU17       | D1              | SPD17       |
| SR9                | 93                        | U1              | SPU20       | D1              | SPD20       |
| SR10               | 93                        | U1              | SPU24       | D1              | SPD24       |
| SR11               | 94.9                      | U1              | SPU26       | D1              | SPD26       |
| SR12               | 90.9                      | U1              | SPU28       | D1              | SPD28       |
| SR13               | 90.9                      | U1              | SPU29       | D1              | SPD29       |
| SR14               | 94.9                      | U1              | SPU30       | D1              | SPD30       |
| SR15               | 93.3                      | U1              | SPU32       | D1              | SPD32       |
| SR16               | 94.9                      | U1              | SPU33       | D1              | SPD33       |
| SR17               | 93.3                      | U1              | SPU37       | D1              | SPD37       |
| SR18               | 93.3                      | U1              | SPU38       | D1              | SPD38       |
| SR19               | 93.3                      | U1              | SPU39       | D1              | SPD39       |
| SR20               | 94.9                      | U1              | SPU40       | D1              | SPD40       |
| SR21               | 94.9                      | U1              | SPU42       | D1              | SPD42       |
| RR1                | 90.9                      | U2              | RU11        | D2              | SPD4        |
| RR2                | 93.3                      | U2              | RU17        | D2              | SPD7        |
| RR3                | 93.3                      | U2              | RU23        | D2              | SPD8        |
| RR4                | 94.9                      | U2              | RU32        | D2              | SPD9        |
| RR5                | 94.9                      | U2              | RU2         | D2              | SPD12       |
| RR6                | 88.9                      | U2              | RU19        | D2              | SPD15       |
| RR7                | 93.3                      | U2              | RU15        | D2              | SPD17       |
| RR8                | 93                        | U2              | RU25        | D2              | SPD24       |
| RR9                | 90.9                      | U2              | RU21        | D2              | SPD28       |



|      |      |    |      |    |       |
|------|------|----|------|----|-------|
| RR10 | 93.3 | U2 | RU6  | D2 | SPD32 |
| RR11 | 94.9 | U2 | RU30 | D2 | SPD33 |
| RR12 | 93.3 | U2 | RU13 | D2 | SPD37 |
| RR13 | 93.3 | U2 | RU28 | D2 | SPD38 |
| RR14 | 94.9 | U2 | RU8  | D2 | SPD40 |
| RR15 | 94.9 | U2 | RU4  | D2 | SPD42 |
| RR16 | 90.9 | U3 | RU11 | D3 | SPD4  |
| RR17 | 93.3 | U3 | RU17 | D3 | SPD7  |
| RR18 | 93.3 | U3 | RU23 | D3 | SPD8  |
| RR19 | 94.9 | U3 | RU32 | D3 | SPD9  |
| RR20 | 94.9 | U3 | RU2  | D3 | SPD12 |
| RR21 | 88.9 | U3 | RU19 | D3 | SPD15 |
| RR22 | 93.3 | U3 | RU15 | D3 | SPD17 |
| RR23 | 93   | U3 | RU25 | D3 | SPD24 |
| RR24 | 90.9 | U3 | RU21 | D3 | SPD28 |
| RR25 | 93.3 | U3 | RU6  | D3 | SPD32 |
| RR26 | 94.9 | U3 | RU30 | D3 | SPD33 |
| RR27 | 93.3 | U3 | RU13 | D3 | SPD37 |
| RR28 | 93.3 | U3 | RU28 | D3 | SPD38 |
| RR29 | 94.9 | U3 | RU8  | D3 | SPD40 |
| RR30 | 94.9 | U3 | RU4  | D3 | SPD42 |
| RR31 | 90.9 | U4 | RU11 | D4 | SPD4  |
| RR32 | 93.3 | U4 | RU17 | D4 | SPD7  |
| RR33 | 93.3 | U4 | RU23 | D4 | SPD8  |
| RR34 | 94.9 | U4 | RU32 | D4 | SPD9  |
| RR35 | 94.9 | U4 | RU2  | D4 | SPD12 |
| RR36 | 88.9 | U4 | RU19 | D4 | SPD15 |
| RR37 | 93.3 | U4 | RU15 | D4 | SPD17 |
| RR38 | 93   | U4 | RU25 | D4 | SPD24 |
| RR39 | 90.9 | U4 | RU21 | D4 | SPD28 |
| RR40 | 93.3 | U4 | RU6  | D4 | SPD32 |
| RR41 | 94.9 | U4 | RU30 | D4 | SPD33 |
| RR42 | 93.3 | U4 | RU13 | D4 | SPD37 |
| RR43 | 93.3 | U4 | RU28 | D4 | SPD38 |
| RR44 | 94.9 | U4 | RU8  | D4 | SPD40 |
| RR45 | 94.9 | U4 | RU4  | D4 | SPD42 |
| RR46 | 90.9 | U5 | RU11 | D5 | SPD4  |
| RR47 | 93.3 | U5 | RU17 | D5 | SPD7  |
| RR48 | 93.3 | U5 | RU23 | D5 | SPD8  |

|      |       |    |       |    |       |
|------|-------|----|-------|----|-------|
| RR49 | 94.9  | U5 | RU32  | D5 | SPD9  |
| RR50 | 94.9  | U5 | RU2   | D5 | SPD12 |
| RR51 | 88.9  | U5 | RU19  | D5 | SPD15 |
| RR52 | 93.3  | U5 | RU15  | D5 | SPD17 |
| RR53 | 93    | U5 | RU25  | D5 | SPD24 |
| RR54 | 90.9  | U5 | RU21  | D5 | SPD28 |
| RR55 | 93.3  | U5 | RU6   | D5 | SPD32 |
| RR56 | 94.9  | U5 | RU30  | D5 | SPD33 |
| RR57 | 93.3  | U5 | RU13  | D5 | SPD37 |
| RR58 | 93.3  | U5 | RU28  | D5 | SPD38 |
| RR59 | 94.9  | U5 | RU8   | D5 | SPD40 |
| RR60 | 94.9  | U5 | RU4   | D5 | SPD42 |
| RF1  | 111.7 | U6 | SPU4  | D6 | RD11  |
| RF2  | 111.7 | U6 | SPU7  | D6 | RD17  |
| RF3  | 111.7 | U6 | SPU8  | D7 | RD23  |
| RF4  | 111.7 | U6 | SPU9  | D7 | RD32  |
| RF5  | 111.7 | U6 | SPU12 | D7 | RD2   |
| RF6  | 111.7 | U6 | SPU15 | D7 | RD19  |
| RF7  | 111.7 | U6 | SPU17 | D6 | RD15  |
| RF8  | 111.7 | U6 | SPU24 | D7 | RD25  |
| RF9  | 111.7 | U6 | SPU28 | D7 | RD21  |
| RF10 | 111.7 | U6 | SPU32 | D7 | RD6   |
| RF11 | 111.7 | U6 | SPU33 | D6 | RD30  |
| RF12 | 111.7 | U6 | SPU37 | D6 | RD13  |
| RF13 | 111.7 | U6 | SPU38 | D6 | RD28  |
| RF14 | 111.7 | U6 | SPU40 | D7 | RD8   |
| RF15 | 111.7 | U6 | SPU42 | D7 | RD4   |
| SF1  | 93.3  | U7 | SPU1  | D8 | SPD1  |
| SF2  | 90.9  | U7 | SPU4  | D8 | SPD4  |
| SF3  | 93.3  | U7 | SPU7  | D8 | SPD7  |
| SF4  | 93.3  | U7 | SPU8  | D8 | SPD8  |
| SF5  | 94.9  | U7 | SPU9  | D8 | SPD9  |
| SF6  | 94.9  | U7 | SPU12 | D8 | SPD12 |
| SF7  | 88.9  | U7 | SPU15 | D8 | SPD15 |
| SF8  | 93.3  | U7 | SPU17 | D8 | SPD17 |
| SF9  | 93    | U7 | SPU20 | D8 | SPD20 |
| SF10 | 93    | U7 | SPU24 | D8 | SPD24 |
| SF11 | 94.9  | U7 | SPU26 | D8 | SPD26 |
| SF12 | 90.9  | U7 | SPU28 | D8 | SPD28 |

|      |       |     |       |     |       |
|------|-------|-----|-------|-----|-------|
| SF13 | 90.9  | U7  | SPU29 | D8  | SPD29 |
| SF14 | 94.9  | U7  | SPU30 | D8  | SPD30 |
| SF15 | 93.3  | U7  | SPU32 | D8  | SPD32 |
| SF16 | 94.9  | U7  | SPU33 | D8  | SPD33 |
| SF17 | 93.3  | U7  | SPU37 | D8  | SPD37 |
| SF18 | 93.3  | U7  | SPU38 | D8  | SPD38 |
| SF19 | 93.3  | U7  | SPU39 | D8  | SPD39 |
| SF20 | 94.9  | U7  | SPU40 | D8  | SPD40 |
| SF21 | 94.9  | U7  | SPU42 | D8  | SPD42 |
| CF1  | 121.8 | U8  | SPU4  | D9  | CONL  |
| CF2  | 121.8 | U9  | SPU20 | D10 | CONR  |
| CF3  | 121.8 | U10 | SPU28 | D11 | CONL  |
| CF4  | 121.8 | U11 | SPU29 | D12 | CONR  |
| C1   |       | C1  | OMNRV |     |       |
| C2   |       | C2  | OMNRH |     |       |
| C3   |       | C3  | SPU15 |     |       |
| T1   |       |     |       | T1  | OMNTV |
| T2   |       |     |       | T2  | OMNTH |
| T3   |       |     |       | T3  | TLMR  |

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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                  | 2M70G7W                 | 2700                         | 4                 | 2149                         | 0.691                                |                               | 5.1                                      | 17.3                                |
| D2                  | 248KG7W                 | 248                          | 4                 | 197                          | 0.691                                |                               | 5.1                                      | 17.3                                |
| D3                  | 60M0G7W                 | 60000                        | 4                 | 47748                        | 0.691                                |                               | 5.1                                      | 17.3                                |
| D4                  | 36M5G7W                 | 36500                        | 4                 | 29022                        | 0.691                                |                               | 5.1                                      | 17.3                                |
| D5                  | 46M3G7W                 | 46250                        | 4                 | 36805                        | 0.691                                |                               | 5.1                                      | 17.3                                |

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**Page 8: Analog Modulation**

S12. ANALOG MODULATION PARAMETERS For each analog emission provide:

| (a)<br>Analog<br>Mod. ID | (b) Emission<br>Designator | (c)<br>Assigned<br>Bandwidth<br>(kHz) | (d) Signal<br>Type | (e)<br>Channels<br>per Carrier | Multi-channel Telephony                         |                                       |                                    |                                | (j) Video<br>Standard<br>NTSC,<br>PAL, etc. | (k) Video<br>Noise-<br>Weighting<br>(dB) | (l) Video<br>and<br>SCPC/FM<br>Modulation<br>Index | (m) SCPC/FM<br>Compander,<br>Preemphasis,<br>and Noise<br>Weighting (dB) | (n) Total C/N<br>Performance<br>Objective<br>(dB) | (o) Single<br>Entry C/I<br>Objective<br>(dB) |
|--------------------------|----------------------------|---------------------------------------|--------------------|--------------------------------|---|---------------------------------------|------------------------------------|--------------------------------|---|--|--|--|---|--|
|                          |                            |                                       |                    |                                | (f) Ave.<br>Companded<br>Talker Level<br>(dBm0) | (g) Bottom<br>Baseband<br>Freq. (MHz) | (h) Top<br>Baseband<br>Freq. (MHz) | (i) RMS<br>Modulation<br>Index |   |  |  |  |   |  |
| A1                       | 500KF1D                    | 500                                   |                    |                                |   |                                       |                                    |                                |   |  |  |  | 10  | 22.2   |
| A2                       | 500KG1D                    | 500                                   |                    |                                |   |                                       |                                    |                                |   |  |  |  | 9   | 21.2   |
| A3                       | 500KF1D                    | 500                                   |                    |                                |   |                                       |                                    |                                |   |  |  |  | 10  | 22.2   |
| A4                       | 500KG1D                    | 500                                   |                    |                                |   |                                       |                                    |                                |   |  |  |  | 10.4  | 22.6   |

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

| Associated Transponder ID Range<br>(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 <sup>2</sup> /Hz) | (o) Assoc. Stn Rec. G/T (dB/K) |
| (j) Min.   | (k) Max. | (l) Min.                | (m) Max.               |                              |                           |  |                                      |   |                                     |      |                                    |      |  |                                |
| SR1  | SR21     | D1                      |                        | 31                           | 2741.935                  | SR LB.doc                              |                                      | 43.2                                    | 1                                   | 5    | 28.8                               | 38.8 | -127.6   | 37.7                           |
| RR1  | RR60     | D2                      |                        | 42                           | 256                       | RR LB.doc                              |                                      | 43.2                                    | -6.5                                | -2.5 | 19.6                               | 29.6 | -126.5   | 37.7                           |
| RF1  | RF15     | D3                      |                        | 1                            |                           | RF LB.doc                              |                                      | 62.9                                    | -1.1                                | 8.4  | 57.8                               | 61.8 | -118   | 19.1                           |
| SF1  | SF21     | D4                      |                        | 8                            | 36500                     | SF LB.doc                              |                                      | 62.9                                    | 2                                   | 6    | 49.6                               | 59.6 | -118   | 19.1                           |
| CF1  | CF4      | D5                      |                        | 1                            |                           | CF LB.doc                              |                                      | 62.9                                    | 2                                   | 6    | 50.7                               | 60.7 | -118   | 19.1                           |
| C1   | C2       |                         | A1                     | 1                            |                           | C1 LB.doc                              |                                      | 53                                      | 20.3                                | 25.3 |                                    |      |  |                                |
| C3   | C3       |                         | A3                     | 1                            |                           | Ka CMD LB.do                           |                                      | 62.9                                    | -20                                 | 9    |                                    |      |  |                                |
| T1   | T2       |                         | A2                     | 1                            |                           | T1 LB.doc                              |                                      |   |                                     |      | 8.1                                | 12.1 | -166   | 24.5                           |
| T3   | T3       |                         | A4                     | 1                            |                           | Ka TLM LB.doc                          |                                      |   |                                     |      | 17.2                               | 20.2 | -134   | 37.7                           |

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**Page 10: TT and C**

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

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S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

|   |                                   |   |
|---|-----------------------------------|---|
| S15a. Mass of spacecraft without fuel (kg):<br>2494             | Spacecraft Dimensions<br>(meters) | Probability of Survival to<br>End of Life (0.0 - 1.0) |
| S15b. Mass of fuel and disposables at launch (kg):<br>3140      |                                   |   |
| S15c. Mass of spacecraft and fuel at launch (kg):<br>5634       | S15f. Length (m):<br>24           | S15i. Payload:<br>0.9                                 |
| S15d. Mass of fuel, in orbit, at beginning of life (kg):<br>800 | S15g. Width (m):<br>3             | S15j. Bus:<br>0.89                                    |
| S15e. Deployed Area of Solar Array (square meters):<br>60       | S15h. Height (m):<br>3.6          | S15k. Total:<br>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): 8598                                     | (f): 8598   | (k): 8598                               | (p): 8598   |
| Bus (Watts):                    | (b): 2731                                     | (g): 1428   | (l): 2731                               | (q): 1428   |
| Total (Watts):                  | (c): 11329                                    | (h): 10026  | (m): 11329                              | (r): 10026  |
| Solar Array (Watts):            | (d): 13951                                    | (i): 11782  | (n): 12434                              | (s): 10668  |
| Depth of Battery Discharge (%): | (e) 76.8 %                                    | (j) 76.8 %  | (o) 76.8 %                              | (t) 76.8 %  |

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.**