

File No. SES-LIC-ZU16U411-00330

Applicant: The Boeing Company  
Filing State: Pending  
Status: AFP - Apr 12 2016 11:22:02:986AM  
File Date: Apr 11 2016 4:29:48:146PM  
Last Action: -  
Class of Station: Fixed Earth Stations  
Type of Facility: Transmit/Receive  
Nature of Service: FSS = Fixed Satellite Service  
Routed To: Jose Trevino  
US Licensed Satellites: Y; Non-US Licensed Satellites:  
No. of Sites: 1

-----  
Site No. 1, Site ID: 1  
City: Kennedy Space Center County: Brevard State: FL  
Latitude: 283500.0N Longitude: 0803913.0W  
PTComms: GALAXY 17 (S2715) @ 91 W.L.

| Ant | Diameter   | Max Input | Max Output | Gain       |               |
|-----|------------|-----------|------------|------------|---------------|
| Row | Antenna ID | (m)       | Power (W)  | Eirp (dBW) | (dBi@GHz)     |
| 1   | 1          | 3.80      | 0.5        | 48.7       | 53.2 @ 14.125 |

| Row | Crd Freq (MHz) | Lo (MHz) | Freq Hi (MHz) | SatArc (East) | SatArc (West) | Elev (East) | Elev (West) | Azim (East) | Azim (West) | Calc        | Calc        | Calc        | Calc        | Antenna ID |
|-----|----------------|----------|---------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
|     |                |          |               |               |               |             |             |             |             | Elev (East) | Elev (West) | Azim (East) | Azim (West) |            |
| 1   | 11700          | 12200    | 12200         | 8W            | 139W          | 6.5         | 19.2        | 98.5        | 253.6       | 6.5         | 19.2        | 98.5        | 253.6       | 1          |
| 2   | 14000          | 14500    | 14500         | 8W            | 139W          | 6.5         | 19.2        | 98.5        | 253.6       | 6.5         | 19.2        | 98.5        | 253.6       | 1          |

| Row | Frg Freq (MHz) | Lo (MHz) | Freq Hi (MHz) | Emission | EIRP (dBW) | Eirp Den. (dBW/4kHz) | T/R | Band-width | Modu-lation | Pt    | Pt      | Pow.Den.   | Antenna ID |
|-----|----------------|----------|---------------|----------|------------|----------------------|-----|------------|-------------|-------|---------|------------|------------|
|     |                |          |               |          |            |                      |     |            |             | (dBW) | (Watts) | (dBW/4kHz) |            |
| 1   | 11700          | 12200    | 12200         | 1M00G7D  |            |                      | R   | 1.00 MHz   | Digital     |       |         |            | 1          |
| 2   | 14000          | 14500    | 14500         | 1M00G7D  | 48.70      | 24.70                | T   | 1.00 MHz   | Digital     | -4.50 | .35     | -28.50     | 1          |

-----  
Certification Failed: Environmental Impact  
Certification Failed: Felony Conviction  
Certification Failed: Drug Certification  
PtComm (GALAXY 17 (S2715) @ 91 W.L. ) NOT ALSAT, MAY BE PERMITTED LIST.

The safe RF radiation limit of 5.0 mW/cm^2 is not exceeded by this facility.