

Supplemental Information for SES-STA-20161123-00910

Operating Parameters for Proposed Carpentersville, NJ Ku-band TT&C LEOP STA

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| SITE NAME (or identifier): | Carpentersville, NJ – Call Sign E7541 |
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Antenna location

| | |
|---|--------------------|
| Longitude (deg, min, sec- <i>NAD 83</i>) | 75 ° 11 ' 27.8 " W |
| Latitude (deg, min, sec- <i>NAD 83</i>) | 40 ° 38 ' 39.1 " N |
| Antenna Height: | 19.2 m |
| Ground Elevation (AMSL): | 85.7 m |

Antenna Characteristics (size & gain)

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|----------------------|---------------------|
| Size | 14.2 |
| TX Gain | 63.5 dBi @ 14.0 GHz |
| RX Gain | 62.9 dBi @ 12.0 GHz |
| Antenna Model | 14.2 KFPA |
| Antenna Manufacturer | TIW (GD SATCOM) |

Maximum Power (at Flange) 500 W

Command:

13.7545 GHz LHCP
13.7505 GHz LHCP

Telemetry:

12.201 GHz RHCP
12.203 GHz RHCP