

Technical Data for Special Temporary Authority Request

Location (City, State, Coordinates)	Santa Clara, CA Latitude: 37 °21 '54.7 "N Longitude: 121 °57 '39.6 "W
Site Elevation	16.2 meters
Antenna Diameter	5.6m
Height Above the Ground	6.0m
Antenna Gain Transmit	61.9 dB
Antenna Gain Receive	61.9 dB
Total Input Power at antenna flange	Up to 6 dBW (4 watts)
Total EIRP for all carries (dBW)	67.9 dBW
Transmit Frequency Range	29.6875 GHz
Receive Frequency Range	19.7-20.2 GHz
Transmit antenna polarization	Left Hand Circular
Receive antenna polarization	Right Hand Circular
Maximum Bandwidth	4kHz
Maximum EIRP per carrier (dBW)	67.9 dBW
Maximum EIRP Density per Carrier (dBW/4kHz)	67.9 dBW/4kHz
Transmit Modulation	Continuous Wave (CW)
Receive Modulation	Continuous Wave (CW)
Range of Satellite Arc E/W Limit	85° W.L to 121° W.L.
Earth Station Azimuth Angle Eastern Limit	128.9°
Antenna Elevation Angle Eastern Limit	32.10°
Earth Station Azimuth Angle Western Limit	168.8°
Antenna Elevation Angle Western Limit	46.1°
Maximum EIRP Density toward the Horizon	0.34 dBW/4kHz
Will the tests be operated by remote?	No