

Date: 03/11/2005
Job Number: 050127COMSTC06

Administrative Information

Licensee Name FAITH COMMUNICATIONS CORPORATION

Site Information**LAS VEGAS, NV**

Latitude (NAD 83) 36° 8' 43.4" N
Longitude (NAD 83) 115° 8' 46.3" W
Climate Zone A
Rain Zone 5
Ground Elevation (AMSL) 615.7 m / 2020.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 43° W to 156° West Longitude
Azimuth Range **100.8° to 235.7°**
Corresponding Elevation Angles **5.7° / 30.1°**
Antenna Centerline (AGL) 2.6 m / 8.5 ft

Antenna Information**Receive****Transmit**

Manufacturer	Prodelin 1383	Prodelin 1383	
Gain / Diameter	41.9 dBi / 3.8 m	45.9 dBi / 3.8 m	
3-dB / 15-dB Beamwidth	1.00° / 2.00°	0.60° / 1.20°	
Max Available RF Power (dBW/4 kHz)		-13.22	
(dBW/MHz)		10.71	
Maximum EIRP (dBW/4 kHz)		32.68	
(dBW/MHz)		56.61	
(dBW)		50.28	
Interference Objectives:	Long Term	-139.0 dBW/MHz 20%	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/MHz 0.01%	-131.0 dBW/4 kHz 0.0025%

Frequency Information**Receive 4.0 GHz****Transmit 6.1 GHz**

Emission / Frequency Range (MHz)	230KG7W / 3700.0 - 4200.0	230KG7W / 5925.0 - 6048.7 230KG7W / 6078.9 - 6300.74 230KG7W / 6330.94 - 6425.0
Max Great Circle Coordination Distance	380.8 km / 236.6 mi	234.5 km / 145.7 mi
Precipitation Scatter Contour Radius	146.0 km / 90.7 mi	100.0 km / 62.1 mi