

## ECHOSTAR-6 Command Link Budget

### Link Parameters

Frequency	(MHz)	17,305
Incident Flux Density	(dBW/m <sup>2</sup> )	-88.0
Aperture Factor	(dB-m <sup>2</sup> )	-46.2
Incident Isotropic Power	(dBW)	-134.2
Antenna Gain	(dBi)	31.5
Noise Temperature	(dB-K)	27.7
Total Receive Losses	(dB)	8.0
Satellite G/T	(dB/K)	3.8
Receiver Input Power	(dBm)	-80.7
Receiver Threshold	(dBm)	-110.0
Spacecraft Margin	(dB)	29.3