

## ECHOSTAR-3 Command Link Budget

### Link Parameters

Frequency	(MHz)	17,301.5
Incident Flux Density	(dBW/m <sup>2</sup> )	-80.0
Aperture Factor	(dB-m <sup>2</sup> )	-46.2
Incident Isotropic Power	(dBW)	-126.2
Antenna Gain (EOC)	(dBi)	-0.5
Total Receive Losses	(dB)	8.6
Receiver Input Power	(dBm)	-105.3
Receiver Threshold	(dBm)	-108.0
Spacecraft Margin	(dB)	2.7