

## ECHOSTAR-3 Telemetry Link Budget

### Link Parameters

Frequency	(MHz)	12,201
Transmit Power	(dBW)	8.0
Line Losses	(dB)	6.4
Antenna Gain (EOC)	(dBi)	-0.5
EIRP	(dBW)	1.1
Free Space Path Loss	(dB)	205.7
Rx E/S G/T	(dB/K)	39.5
Other Losses	(dB)	9.8
Downlink C/N	(dB)	16.9
C/N Required	(dB)	9.0
Margin	(dB)	7.9