

Table 11-3: Telemetry Link Budget

ECHOSTAR-5 Telemetry Link Budget (On Station)		
Link Parameters		
Frequency	(MHz)	12,201
Transmit Power	(dBW)	-14.5
Line Losses	(dB)	3.0
Antenna Gain (EOC)	(dBi)	29.5
EIRP	(dBW)	12.0
Free Space Path Loss	(dB)	206.0
Rx E/S G/T	(dB/K)	36.7
Other Losses	(dB)	1.0
Downlink C/N	(dB)	15.5
C/N Required	(dB)	9.0
Margin	(dB)	6.5