

Link Parameters		Clear Sky (- 3dB Contour)	Faded (-3 dB Contour)
General:			
Emmision Designator		1M34G7W	1M34G7W
Data Rate	(kbps)	1,544	1,544
Modulation		QPSK	QPSK
Coding Rate		0.691	0.691
Carrier Bandwidth	(kHz)	1,340	1,340
Uplink Frequency	(MHz)	29,800	29,800
Link Geometry:			
Elevation Angle	(degrees)	30.0	30.0
Tx E/S Range to Satellite	(km)	38,612	38,612
Uplink:			
Tx E/S Antenna Diameter	(m)	0.66	0.66
Tx E/S Power to Antenna	(W)	2.0	3.0
Tx E/S Antenna Gain	(dB)	44.1	44.1
Tx E/S EIRP per Carrier	(dBW)	47.1	48.8
Atmospheric and Rain Losses	(dB)	0.4	10.6
Free Space Loss	(dB)	213.7	213.7
G/T towards Tx E/S	(dB/K)	15.8	15.8
(Eb/No) - Thermal Uplink	(dB)	15.5	7.1
(Eb/lo) - (ASI)	(dB)	16.6	16.6
(Eb/No+lo) - Total Actual	(dB)	13.0	6.6
(Eb/No+lo) - Total Required	(dB)	5.5	5.5
Excess Margin	(dB)	7.5	1.1
Availabilty	(%)	N/A	99.80