

	Units	Elevation	
		Rain	Clear
Elevation Angle	deg.	43.6	43.6
Slant Range	km	37511	37511
Uplink Availability	%	99.95	
Required GS EIRP	dBW	91.87	88.19
Available GS EIRP	dBW	92.70	92.70
EIRP Margin	dB	0.83	4.51
Free Space loss	dB	-213.32	-213.32
Gaseous Att	dB	-0.44	-0.37
Cloud Att	dB	-0.79	
Rain Fade	dB	-5.32	
Total Atmospheric loss	dB	-6.55	-0.37
Rain Fade		-6.18	
Min Rx Isotropic Power (RIP)	dBW	-128.00	-125.50
Max Rx Isotropic Power (RIP)	dBW	-123.00	
Polarization Loss	dB	-0.10	-0.10
Rec Ant Gain	dB	-0.70	-0.70
Pointing Loss	dB	0.00	0.00
Min Rec Signal Level	dBW	-128.80	-126.30
S/C NF including CR	dB	14.15	14.15
S/C Gain up to CR	dB	-11.15	-11.15
Antenna Temperature	K	290.00	290.00
System Noise Temp	dBK	38.77	38.77
Noise Power Density No	dBW/Hz	-189.83	-189.83
Io On-Station	dBW/Hz	-224.66	-224.66
Total No+Io	dBW/Hz	-189.83	-189.83
C/No	dB-Hz	61.03	63.53
C/(No+Io)	dB-Hz	61.03	63.53
Required C/(No+Io)	dB-Hz	61.00	61.00
Margin	dB	0.03	2.53