

COMMAND LINK LINK MARGIN

CURACAO TO SPACE STATION	GSO Clear	GSO Rain	Common Parameters	
ES Transmitter Power,per ch, dBW	30.0	30.0	Freq, GHz	24.75
OBO	-23.0	-4.0	Wavelength, in	0.48
Output Loss, dB	-1.5	-1.5	Bandwidth,MHz	0.80
ES Tx Pwr, dBW	5.5	24.5	Bandwidth,dB-Hz	59.03
ES Tx Pwr, W	3.5	281.8		
ES Antenna, meters	9.0	9.0	Slant Range,kM	40,100
ES Peak Antenna Gain, dBi	64.4	64.4		
ES Tx ERP, dBW	69.9	88.9		
Pointing Loss, dB	-0.5	-0.5		
Eirp, dBW	69.4	88.4		
Pwr Density, dBW/Hz	-53.5	-34.5		
SFD, dBW/m ² ,	-83.7	-86.8		
Space Loss, dB	-212.4	-212.4		
Ptg Loss, dB	-0.5	-0.5		
Rain & Atmos Atten, dB, 99.5%	-1.0	-23.1		
Total Loss, dB	-212.9	-236.0		
G/T, peak, dBi/K	18.7	18.7		
Sat. Temp., K	28.1	28.1		
Sat Antenna Gain, 1m, dBi	47.7	47.7		
C/T, dB/K	-124.3	-128.4		
Bandwidth,MHz, dB	-1.0	-1.0		
Uplink C/I, dB	50.0	50.0		
Uplink CNR, dB	45.2	41.1		
Uplink C/N+I, dB	44.0	40.6		
Sat Received Signal, dBW	-95.8	-99.9		
Rx Losses, dB	-20.0	-20.0		
Input to RX, dBm	-85.8	-89.9		

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LA TO SPACE STATION	GSO Clear	GSO Rain	Common Parameters	
ES Transmitter Power,per ch, dBW	30.0	30.0	Freq, GHz	24.75
OBO	-23.0	-4.0	Wavelength, in	0.48
Output Loss, dB	-1.5	-1.5	Bandwidth,MHz	0.80
ES Tx Pwr, dBW	5.5	24.5	Bandwidth,dB-Hz	59.03
ES Tx Pwr, W	3.5	281.8		
ES Antenna, meters	9.0	9.0	Slant Range,kM	40,100
ES Peak Antenna Gain, dBi	64.4	64.4		
ES Tx ERP, dBW	69.9	88.9		
Pointing Loss, dB	-0.5	-0.5		
Eirp, dBW	69.4	88.4		
Pwr Density, dBW/Hz	-53.5	-34.5		
SFD, dBW/m ² ,	-83.7	-83.7		
Space Loss, dB	-212.4	-212.4		
Ptg Loss, dB	-0.5	-0.5		
Rain & Atmos Atten, dB, 99.99%	-1.0	-20.0		
Total Loss, dB	-212.9	-232.9		
G/T, peak, dBi/K	17.5	17.5		
Sat. Temp., K	28.1	28.1		
Sat Antenna Gain, 1m, dBi	46.5	46.5		
C/T, dB/K	-125.5	-126.5		
Bandwidth,MHz, dB	-1.0	-1.0		
Uplink C/I, dB	50.0	50.0		
Uplink CNR, dB	44.0	43.0		
Uplink C/N+I, dB	43.1	42.2		
Sat Received Signal, dBW	-97.0	-98.0		
Rx Losses, dB	-20.0	-20.0		
Input to RX, dBm	-87.0	-88.0		