

<b>Command Link Budget (On Station; IOT Phase)</b>			
<b>Link Parameters</b>		<b>Rain</b>	<b>Clear</b>
Frequency	(MHz)	29,999.5	29,999.5
Uplink EIRP	(dBW)	84.9	70.0
Rain Fade	(dB)	17.0	0.0
Spreading Loss	(dB/m2)	162.9	162.9
Incident Flux Density	(dBW/m2)	-95.0	-92.9
Aperture Factor	(dB-m2)	-51.0	-51.0
Incident Isotropic Power	(dBW)	-146.0	-143.9
Antenna Gain (-2dB contour)	(dBi)	19.0	19.0
Total Receive Losses	(dB)	14.0	14.0
Receiver Input Power	(dBm)	-111.0	-108.9
Receiver Threshold	(dBm)	-112.0	-112.0
Spacecraft Margin	(dB)	1.0	3.1