

Parameter	Units	Emergency (Omni)
Slant range	km	38600
Frequency	MHz	13998
Power to Antenna	dBW	22.5
Tx Antenna Gain	dBi	60.5
Ground Station EIRP	dBW	83.0
Spreading loss	dB/m ²	-162.7
Atmospheric losses	dB	-0.2
Received PFD	dBW/m ²	-79.9
Aperture Factor	dB(m ²)	-44.4
Antenna Gain (-2 dB contour)	dBi	-2.0
On board losses	dBi	-9.9
Power at Rx input	dBW	-136.2
Rx Threshold	dBW	-142.0
Margin	dB	5.8