



Specifications Sheet

RF Characteristics – HeliSAT3 to Iridium® Satellite

Uplink Frequency Range:	1616-1626.5 MHz
Output Power at full channel capacity	+37.0 dBm
Downlink Frequency Range:	1616-1626.5 MHz
Signal Bandwidth:	10.5 MHz
Minimum Downlink Input Power:	(MDS) -111.5 dBm
Overall Gain:	+60 dB
Gain Variation:	N/A
Gain Flatness:	over any 2 MHz bandwidth: +/- 0.4 dB
Over Any 10MHz Bandwidth:	+/- 0.5 dB
Spurious Outputs @ 37 dBm Output Power:	-35 dBc, max
Harmonics @ 37 dBm Output Power:	-48 dBc, max
VSWR (Input & Output):	1.8:1
Voltage Input:	+12 VDC
DC Consumption:	42 watts

RF Characteristics – HeliSAT3 and Iridium® Handsets

Uplink Input Frequency Range:	1616-1626.5 MHz
Output Power (at –1dB Gain Compression):	+10 dBm
Downlink Output Frequency Range:	1616-1626.5 MHz
Signal Bandwidth:	10.5 MHz
Minimum Input Power (MDS):	-24.5 dBm
Overall Gain:	+61 dB
Gain Variation:	N/A
Gain Flatness: Over Any 2 MHz Bandwidth:	+/- 0.4 dB
Over Any 10MHz Bandwidth:	+/- 0.5 dB
Overall Noise Figure:	2.0 dB, max
Image Rejection:	>39 dB
Harmonics:	-35 dBc
VSWR:	1.8
Typical Hotspot radius	20 feet