

Make and Model  
Surface Terminal

**dBm**   **Power in Watts**

Mini-TCDL Modem	60055600-014			
JSIT GND RFE	60055072-000			
		Beam Width: 22 degree at 3dB		
		Gain: 20 dBic		
		Side lobes: 12 dB max		
Compact Lens Antenna	60030090-003	Axial Ratio: 2.5 dB max		
Tx Frequency		15.15 - 15.35 GHz		
Rx Frequency		14.4 - 14.83 GHz		
Max RF Power output		38 dBm Max	38	6.309573445 Watts
EIRP		58 dBm	58	630.9573445 Watts
ERP		55.85	55.85	384.591782 Watts
Frequency Tolerance	+/- 1.0 ppm (parts per million)	0.0001%		
Modulation Type	BPSK			
Emission Designator	800KG1D			

Airborne Terminal

Vortex Modem	60065285-000			
JSIT A/B RFE	60055788-000			
		Beam Width: (3dB +/-20deg at horizon)		
		Gain: 3dBi at peak		
		Side lobes: -7.5 dB max		
Ku Band OMNI Antenna	8123128-001	14.4 - 14.83 GHz		
Tx Frequency		15.15 - 15.35 GHz		
Rx Frequency				
Max RF Power output		38 dBm Max	38	6.309573445 Watts
EIRP		41 dBm	41	12.58925412 Watts
ERP		38.85	38.85	7.673614894 Watts
Frequency Tolerance	+/- 1.5 ppm (parts per million)	0.00015%		
Modulation Type	Offset-QPSK			
Emission Designator	21M4G1D			

