

ALCAN Systems Enterprise NGSO Ground Antenna Data Sheet



ALCAN Systems, the smart antenna start-up, announced its development of the market's lowest cost flat-panel ground antenna for Low Earth Orbit (LEO) and Medium Earth Orbit (MEO) satellite constellations delivering Satellite Broadband on high capacity Ka-Band frequencies.

The following table shows the Enterprise NGSO Ground Antenna Data Sheet:

Electrical		Mechanical	
Receive Frequency	17.7 - 20.2 GHz	Dimensions	550 x 995 x 90 mm
Transmit Frequency	27.5 - 30.0 GHz	Weight	18 kg
Instantaneous Bandwidth	Rx: 400 MHz, Tx: 400 MHz	Environmental	
Polarization	Fixed circular	Operating Temperature	-20 °C to +55 °C
Scan Range	55° conical 2D scan about boresight	Humidity	Up to 100%
G/T	10.8 dB/Kat boresight across band		
	7.3 dB/K at 55° scan across band		
EIRP	44.9 dBW min at boresight (6W BUC)		
	41.4 dBW at 55° scan		
Sidelobe Envelope	ITU Article 22, ETSI EN 303 699		
XPD	20 dB min.		
Power Consumption	35W typical (exc. LNB and BUC)		
	98W (inc. LNB and BUC)		
Slew Time	< 20ms at 20°C		

Questions? Do not hesitate to get in touch with us:

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