

# MT-404014/NV/A

3.3 – 3.8 GHz 14.5 dBi Sector Antenna

## Electrical

Regulatory Compliance	ESTI EN 302 085 V.1.1.2 (2001-02) CSI, CS2, CS3	
Frequency	3.3 – 3.8 GHz	
Gain	14.5 dBi min	
VSWR	3.3 – 3.4 GHz	2:1 max
	3.4 – 3.7 GHz	1.7:1 max
	3.7 – 3.8 GHz	2:1 max
-3 dB Beam Width	Azimuth	90° typ
	Elevation	9° ±1°
Polarization	Vertical	
Side Lobes Level	ESTI EN 302 085 V.1.1.2 (2001-02) CSI, CS2, CS3	
Elevation Null Fill	-20 dB max	
Cross Polarization	-22 dB max	
F/B Ratio	-36 dB max	
Input Impedance	50 ohm	
Input Power	6 W max	
Lightning Protection	DC Grounded	

## Mechanical

Dimensions	536 x 360 x 30 mm max	
Weight	2.3 kg max	
Connector	N-Type Female	
Radome	Plastic	
Base Plate	Aluminum with chemical conversion coating	

## Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45 °C +70 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP63
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class B
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load (Survival):	Front Thrust			55.1 kg
	Side Thrust			4.6 kg

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