

# MT-444003/NV

4.9 – 5.35 GHz 15 dBi 120° Sector Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2 (2001-02)
Frequency	4.9 – 5.35 GHz
Gain	15 dBi min
VSWR	1.7:1 max
12 dBi Azimuth Beam Width	120° typ
Elevation Beam Width	6° typ
Polarization	Vertical
Side Lobes Level	ETSI EN 302 085 V 1.1.2. CS3 @ 4.9 - 5.1 GHz -10 dB max @ 5.15 - 5.35 GHz
Cross Polarization	ETSI EN 302 085 V 1.1.2. CS3 @ 4.9 - 5.1 GHz -18 dB max @ 5.15 - 5.35 GHz
F/B Ratio	ETSI EN 302 085 V 1.1.2. CS3
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	550 x 250 x 17 mm max
Weight	1.8 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 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP54
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class HB
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			39.3 kg
	Side Thrust			2.7 kg

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