

# MT-564004/NH

10.15 – 10.65 GHz 15 dBi Base Station Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2 2001-02 RoHS, CE 0682
Frequency	10.15 – 10.65 GHz
Peak Gain	15 dBi min
VSWR	1.7:1 max
11.5 dBi Azimuth Beam width	90°±5°
Polarization	Horizontal
Side lobes Level	ETSI EN 302 085 v1.1.2 2001-02 CS1-CS3
Cross Polarization	ETSI EN 302 085 v1.1.2 2001-02 CS1-CS3
Elevation Beam width	-6° min
F/B Ratio	ETSI EN302 085 v1.1.2 2001-02 CS1-CS3 -30 dB max
Gain Ripple Across Sector	±1.0 dBi
Gain Ripple Frequency	±1.0 dBi
Input Impedance	50 ohm
Input Power	6W max
Lightning Protection	DC grounded

## Mechanical

Dimensions (LxWxD)	240x200x15mm max
Weight	1.0 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			IP67
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			13.7 kg
	Side Thrust			1 kg

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