

# MT-465030/NVH

5.7 – 6.425 GHz 23.5 dBi Dual Pol Directional Antenna

## Electrical

Regulatory Compliance	ESTI EN 302 326-3 V1.3.1 (2008-02) DN2-DN3 RoHS, CE 0682
Frequency	5.7-6.425 GHz
Gain	22.0 ±1.0 dBi @ 5.7-5.925 GHz 23.5 ±1.0 dBi @ 5.925-6.35 GHz 22.0 ±1.0 dBi @ 6.35-6.4 GHz 21.5 ±1.0 dBi @ 6.4-6.425 GHz
VSWR	2.0:1 max, 1.5:1 typ
3 dB Beam Width	10° typ
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level	ESTI EN 302 326-3 V1.3.1 DN3 @ 5.7-5.9 GHz ESTI EN 302 326-3 V1.3.1 DN2 @ 5.9-6.425 GHz
Cross Polarization	ESTI EN 302 326-3 V1.3.1 DN3 @ 5.7-5.9 GHz ESTI EN 302 326-3 V1.3.1 DN2 @ 5.9-6.425 GHz
Port to Port Isolation	-25 dB max, -30 dB typ
F/B Ratio	-30 dB max, -35 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	305 x 305 x15 mm max
Weight	1 kg max
Connector	2 x 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	2000 h		
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	Front Thrust			26.8 kg
Survival	Side Thrust			1.3 kg

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