

# MT-463020/NV

4.9 – 5.935 GHz 11 dBi Train Antenna

## Electrical

Regulatory Compliance	RoHS, CE
Frequency	4.9 – 5.935 GHz
Peak Gain port 1 (Using a 1.0 m diameter Ground plane)	10.0 dBi min, 11.0 dBi typ
Peak Gain @ horizon port 1 (Using a 1.0 m diameter Ground plane)	7.5 dBi min, 8.0 dBi typ
Peak Gain port 2 (Using a 1.0 m diameter Ground plane)	12.5 dBi min, 13.0 dBi typ
Peak Gain @ horizon port 2 (Using a 1.0 m diameter Ground plane)	8.0 dBi min, 9.0 dBi typ
VSWR	1.8:1 max
Azimuth 3 dB Beam width port 1	25° typ
Azimuth 3 dB Beam width port 2	35° typ
Elevation 3 dB Beam Width	16° typ
Elevation Tilt	+12° typ
Polarization	Linear Vertical
Input Impedance	50 ohm
Input Power	50 W CW max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	260 x 100 x 90 mm max
Weight	1.4 kg max
Connector	2 x N-Type Female
Radome Color	RAL 7043 dark grey
Radome Material	ASA_SAN
Back Plate/Base Plate Color	RAL 7043 dark grey
Back Plate/Base Plate Material	Aluminum

## Environmental

Environmental conditions	Outdoor
Operation Temperature	-40° to +85° C
Storage Temperature	-40° to +85° C
Transport Temperature	-40° to +85° C
IP Rating	IP66
Solar Radiation	DIN 75220
RoHS 2002/95/EC	Compliant
Environmental tests	EN 50155:2004

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