

868 MHz 20 cm Whip Antenna

PART NUMBER MTANT86820

<https://shop.mtoolstec.com/product/868mhz-20cm-whip-antenna>



868 MHz

Omnidirectional
SMA male connector
200 mm overall length

2.5 dBi nominal gain

OVERVIEW

Compact 868 MHz whip antenna for reliable point-to-multipoint and general 868 MHz wireless systems. The black radome provides impact, water and corrosion resistance for all-day operation.

KEY FEATURES

- High gain and low VSWR
- Vertical polarization
- DC-ground lightning protection
- Direct twist-lock mounting

ELECTRICAL SPECIFICATIONS

Frequency range	868 MHz
Bandwidth	±10 MHz
Gain	2.5 dBi
Half-power beam width	H: 360° V: 38°
VSWR	≤1.5 at center frequency
Input impedance	50 Ω
Polarization	Vertical
Maximum input power	10 W
Lightning protection	DC ground
Connector	SMA male

MECHANICAL & ENVIRONMENTAL

Dimensions	200 mm
Weight	27 g
Operating temperature	-40 to +75 °C
Rated wind velocity	39 m/s
Radome color	Black

S-Parameter Test Record

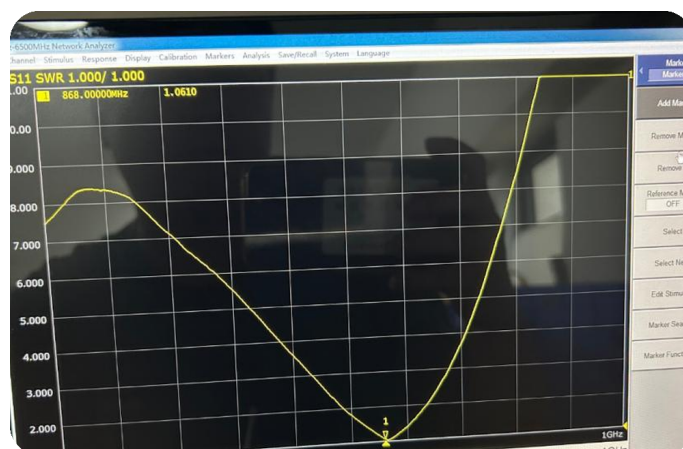
Test equipment: HP 8753D Network Analyzer

TEST EVIDENCE



TEST SETUP

HP 8753D network analyzer



MEASURED TRACE

Supplier S-parameter test record

TEST RECORD

The images above are reproduced from the supplier's original test record.

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