

RFA-100-010: SMA ANTENNA WITH ELBOW, 2.4GHz~2.5Ghz, ADDITIONAL SNAP 45°

Material and plating:

1. SMA Plug: Brass, Nickel plating
2. Bottom Base: PC+PBT, Black
3. Rivet: POM, Black
4. Upper Base: PC+PBT, Black
5. Cap: TPEE, Black

Electrical

Frequency Range: 2.4GHz~2.5Ghz,

Impedence: 50Ω

VSWR: 2.0 max.

Radiation: Omni

Gain: 2dBi +/- 0.5

Polarization: Vertical

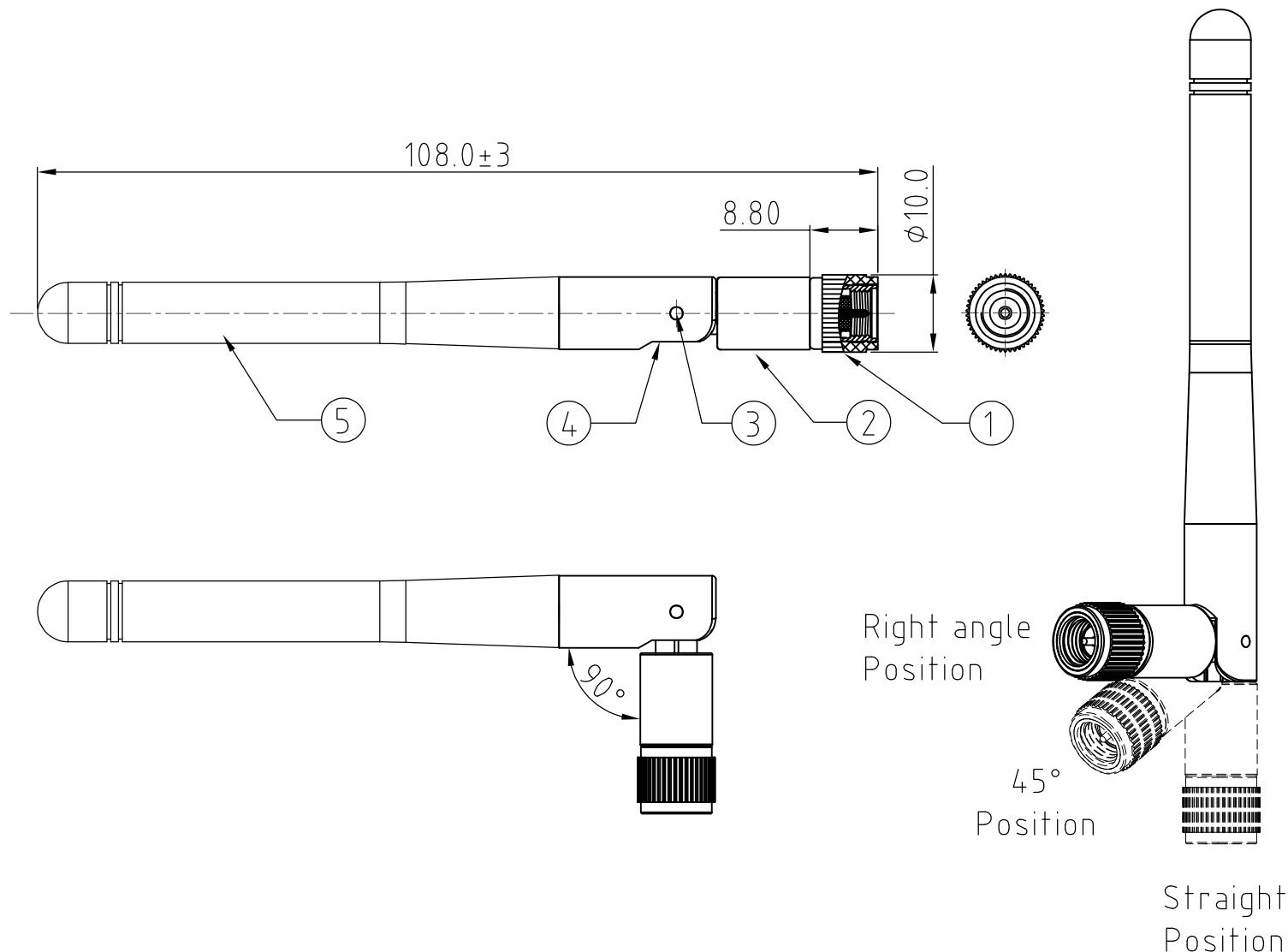
Maximum Power: 1W

Mechanical & Environment

Operating Temperature: -20°C to +65°C

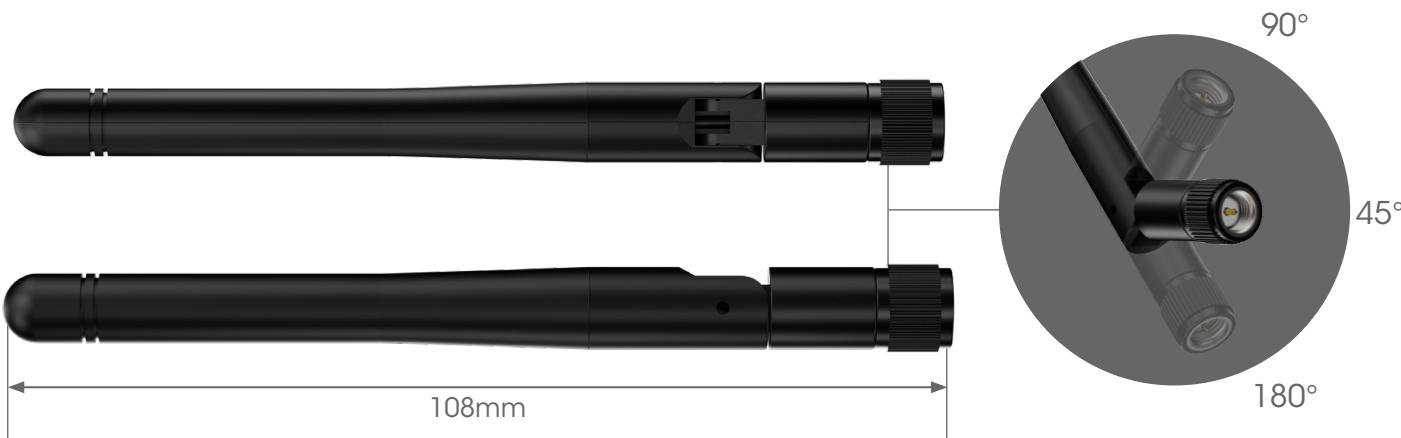
Weight: 7.4g

Lead free ROHS



RFA-100-010 Antenna

RF Antenna Stick | Single Band | SMA Plug interface



Electrical Specifications

Description	Specification
Frequency Range/s	2400-2500MHz
Antenna Type	Stick Antenna
Number of Bands	1
Radiation Pattern	Omnidirectional
Polarization	Linear
Max. Input Power	1 Watt
Impedance	50Ω

Frequency	Return Loss	Peak Gain	Average Efficiency
2400-2500MHz	< -10.0 dB	2.0 dBi	67%

Mechanical Specifications

Description	Specification
Length	108 ± 3mm
Swivel Elbow	180°, 90°, 45°
Weight	7.9g
Termination	SMA
Radome Material	PC+PBT
Operating Temperature	-20°C to 65°C
Compliance	RoHS

Applications

Wireless Communication: Wi-Fi (2.4GHz), Bluetooth, Zigbee

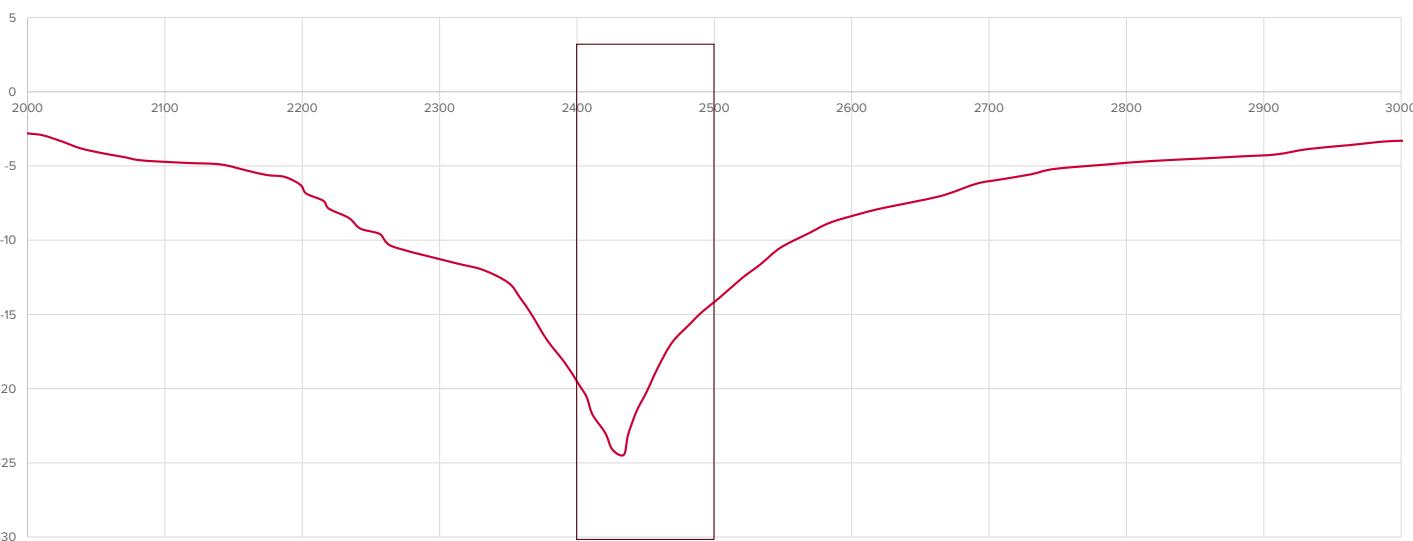
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Performance

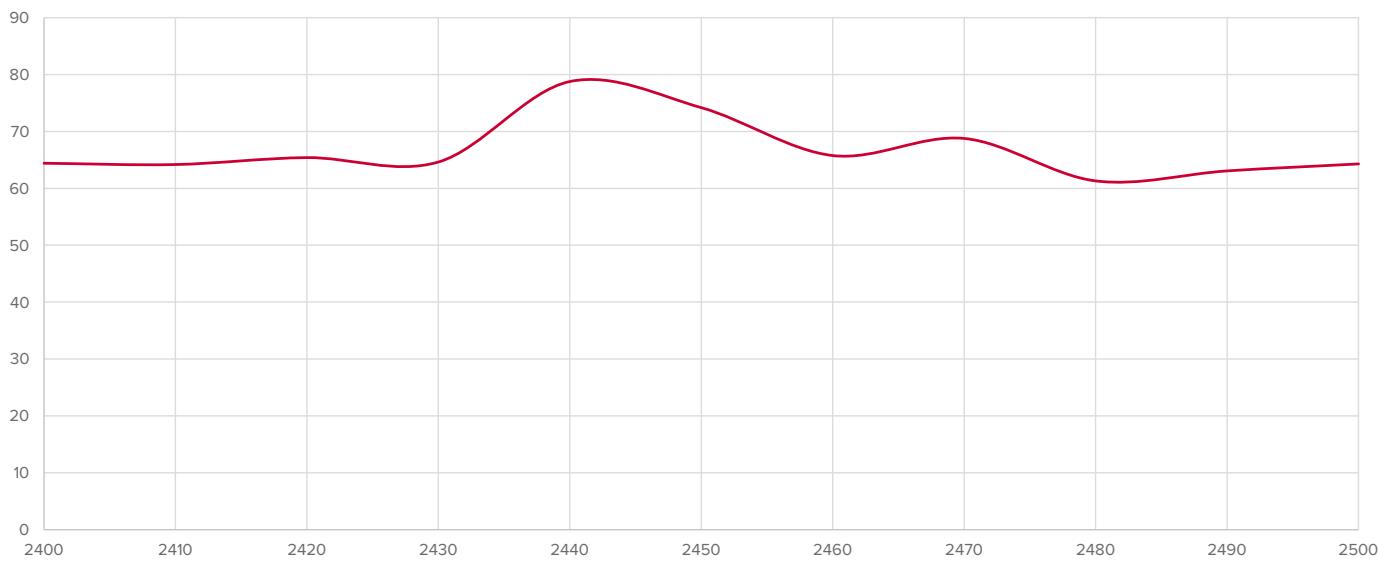
The test setup and measurements were conducted in a 3D anechoic chamber



Return Loss (dB) Chart



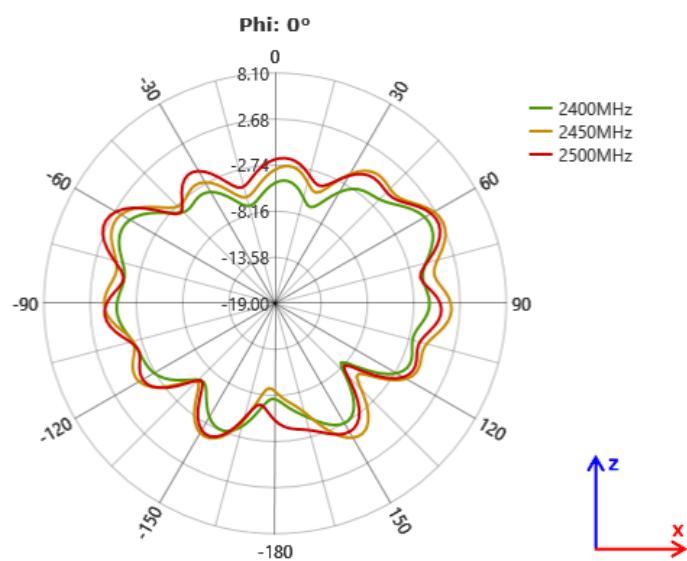
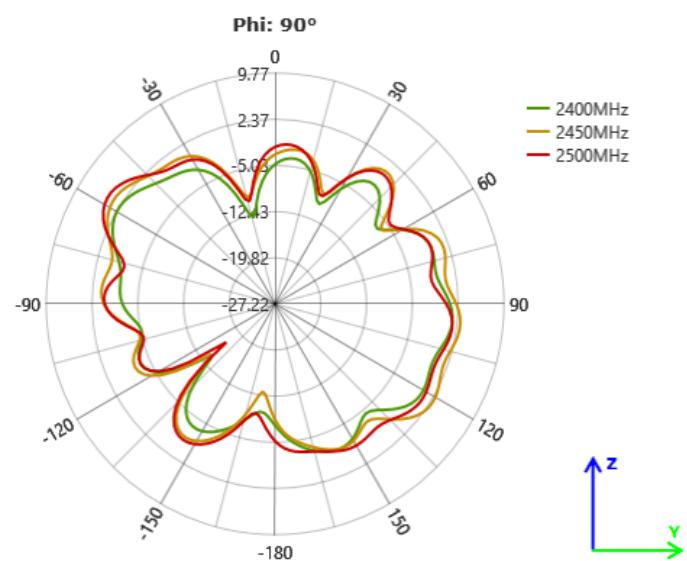
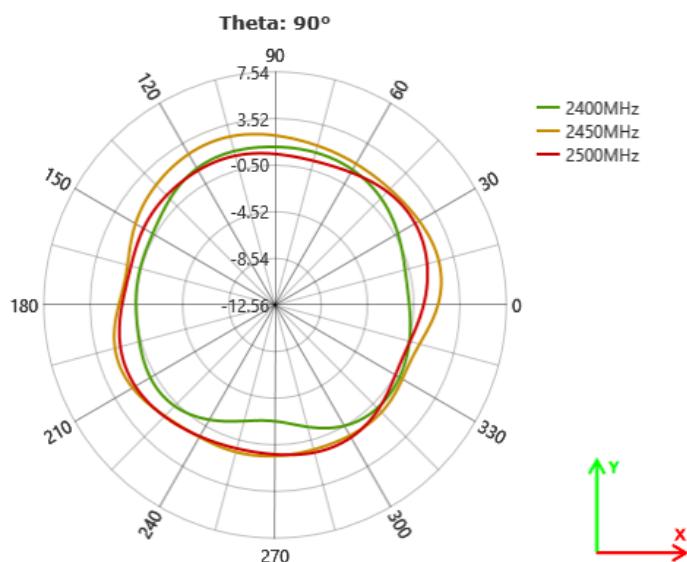
Efficiency



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Radiation Patterns

2400-2500MHz



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