



GW.26.0112.HT

Specification

Part No.	GW.26.0112.HT
Product Name	2.4GHz Miniature Screw mount Monopole Antenna HIGH TEMPERATURE
Feature	SMA(M) Fixed Right Angle Connector, 50 Ohm Dupont® Hytrel® High Temperature Resistant TPEE Housing (up to 150°C) ROHS Compliant

1. Introduction

The GW.26 HT series 2.4 GHz Monopole SMA (M) RA mount antenna is ideal for 2.4 GHz wireless applications such as Wifi, Zigbee and Bluetooth.

Antenna housing is made of highly resistant Dupont® Hytrel® TPEE material which is

durable in high temperature application environments up to 150°C.

This material is often applied in automotive or industrial applications, where the antenna is placed near the engine or heat generating components.

Connection is made via fixed right angle SMA(M) connector with a hardened TPEE casing, this antenna is the ideal Wi-Fi-Bluetooth-ZigBee antenna for M2M devices where the antenna must be placed in harsh high temperature environments.

2. Specification Table

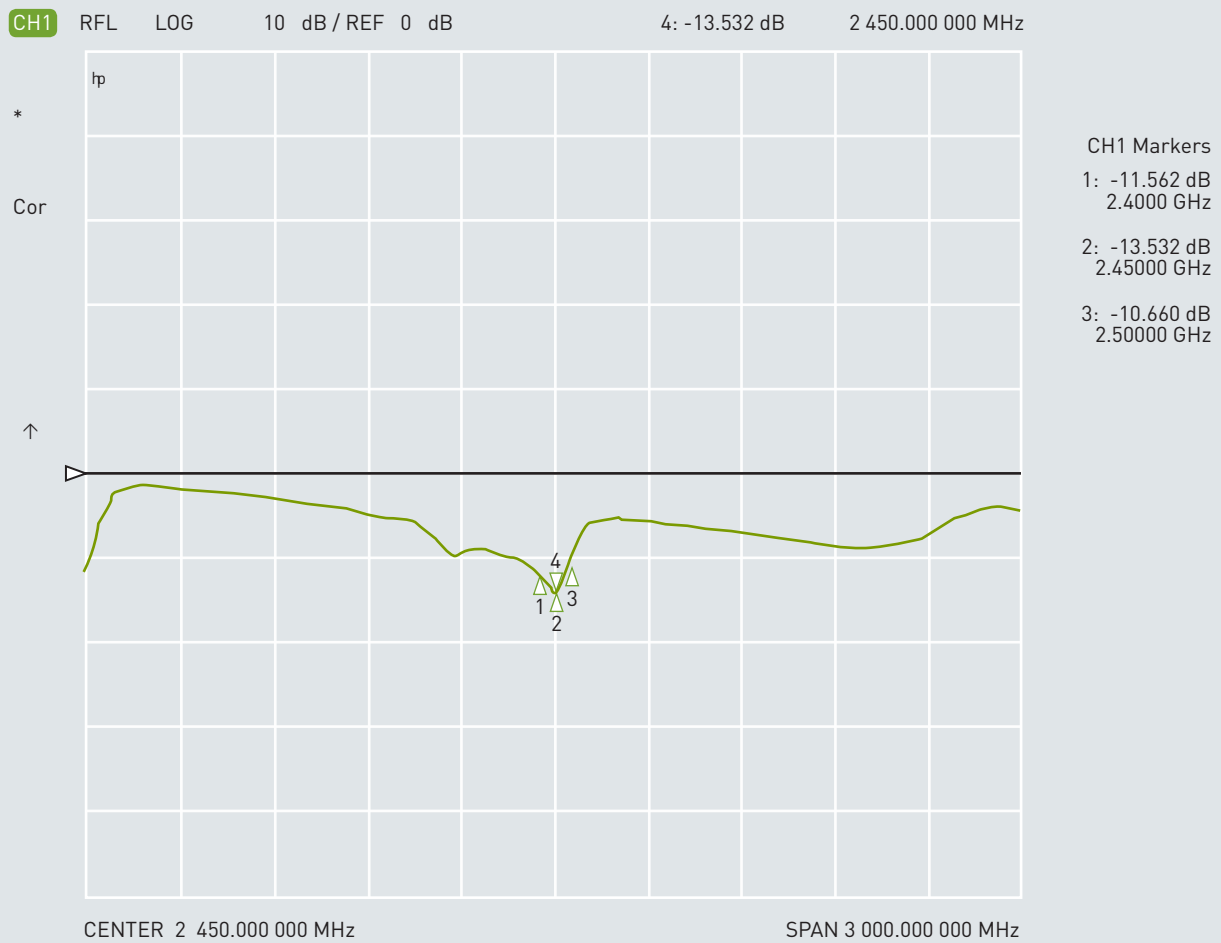
Parameter	Wi-Fi 2.4GHz
Frequency	2400~2500MHz
Bandwidth	1000MHz
Peak Gain	> 0dBi
Radiation Efficiency	> 40%
Radiation	Omni-Directional
Polarization	Vertical
Power Handling 1W Max	Power Handling 1W Max
Electrical Wave	Monopole
Impedance	50Ω
Operating Temperature	-40°C ~ +150°C
Storage Temperature	-40°C ~ +85°C

3. Mechanical Properties

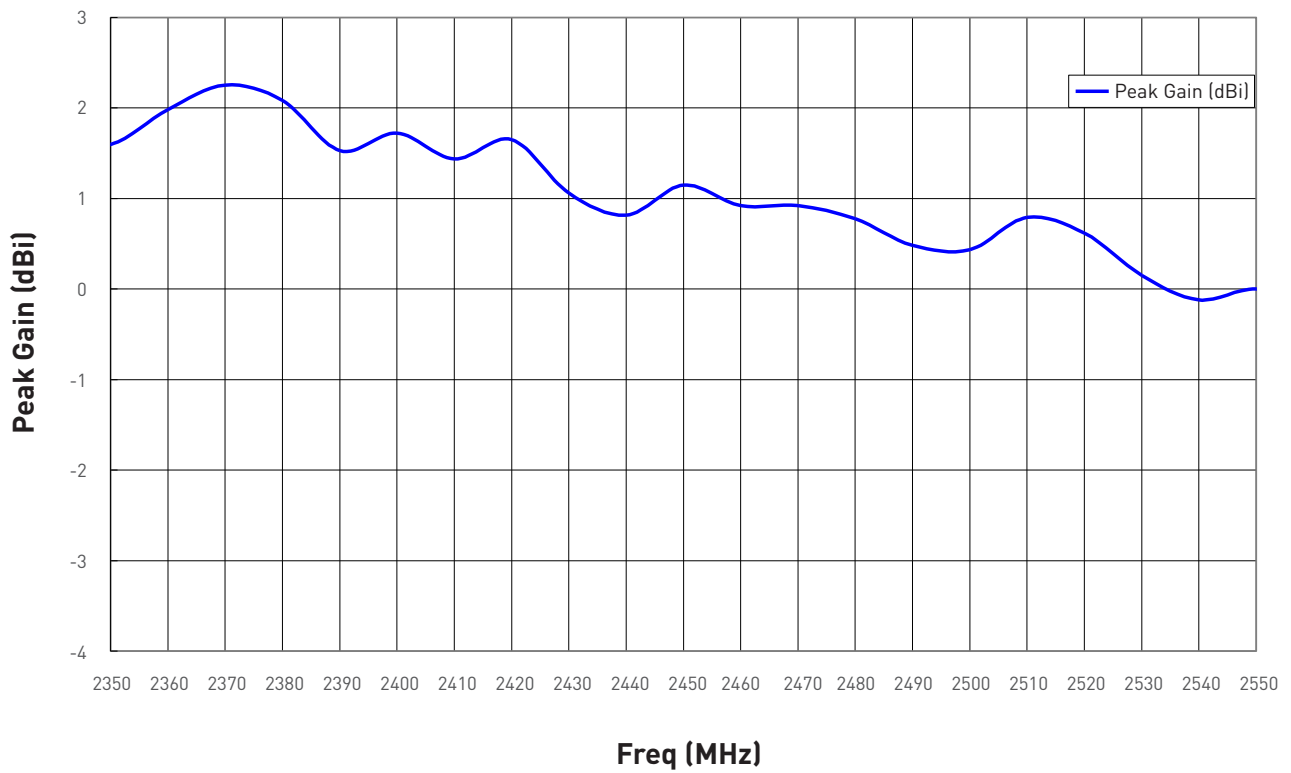
Parameter	Specification
Temperature	-40°C to +150°C
Radome Colour	Black
Radome Material	Dupont® Hytrel® TPEE

4. Antenna Characteristics

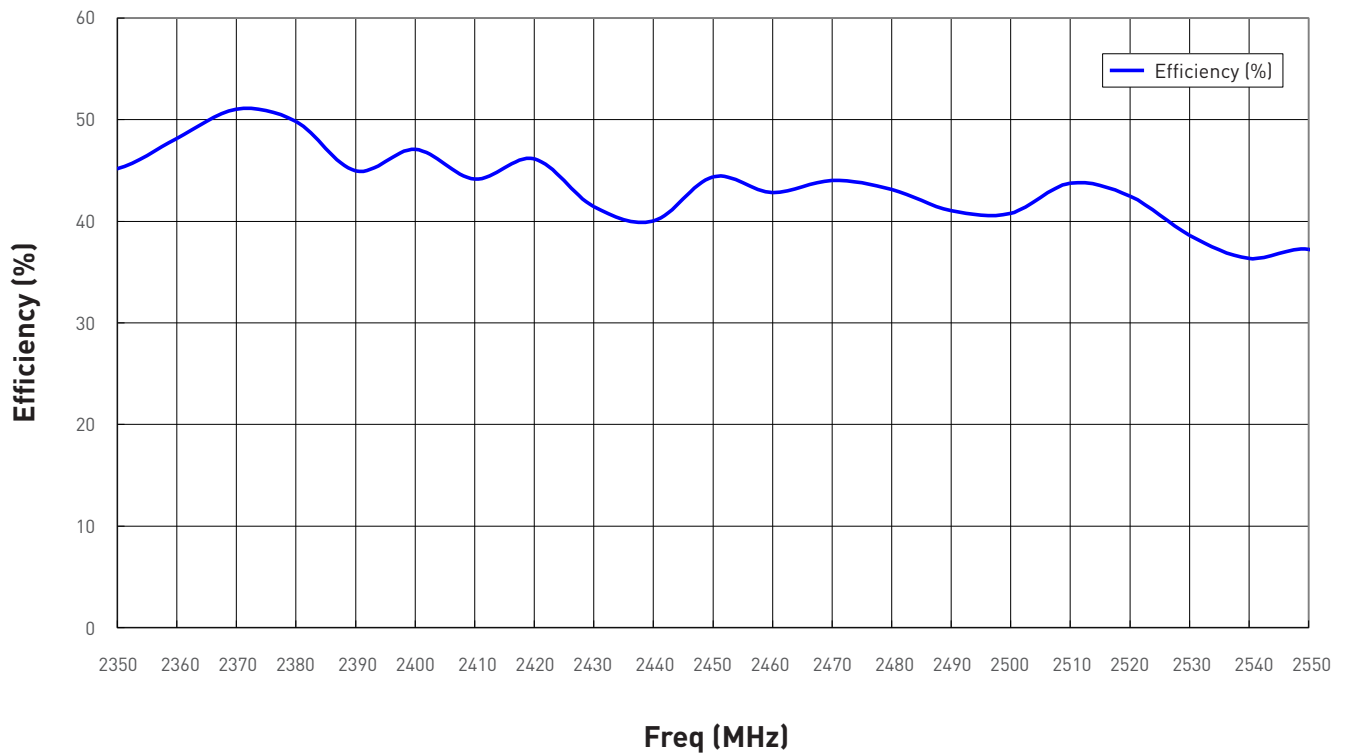
4.1 Antenna S11



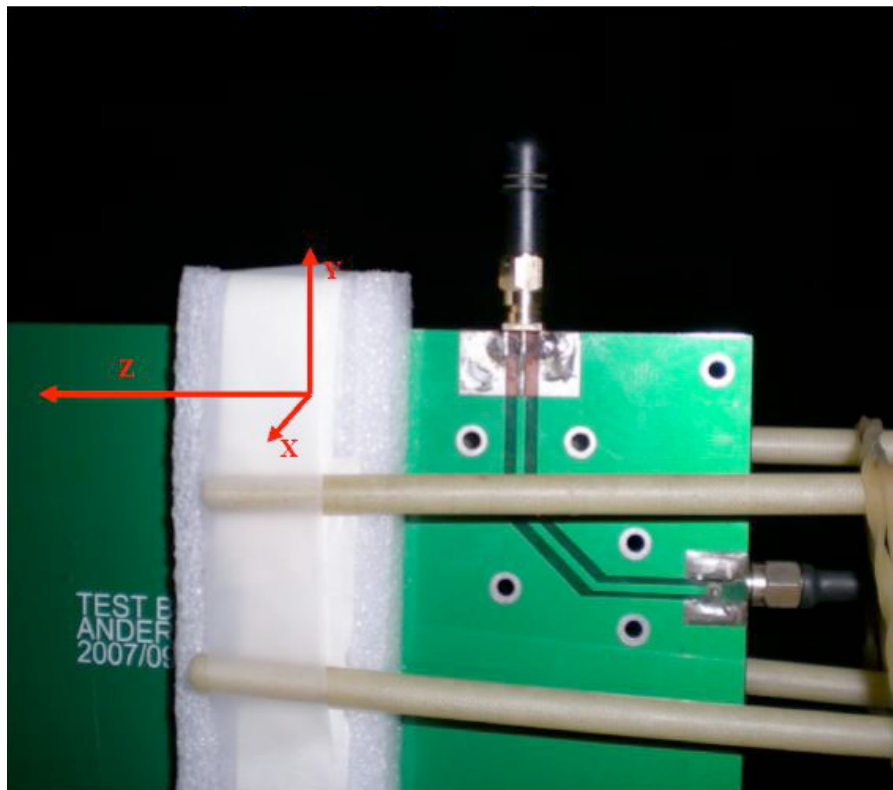
4.2 Average Peak Gain



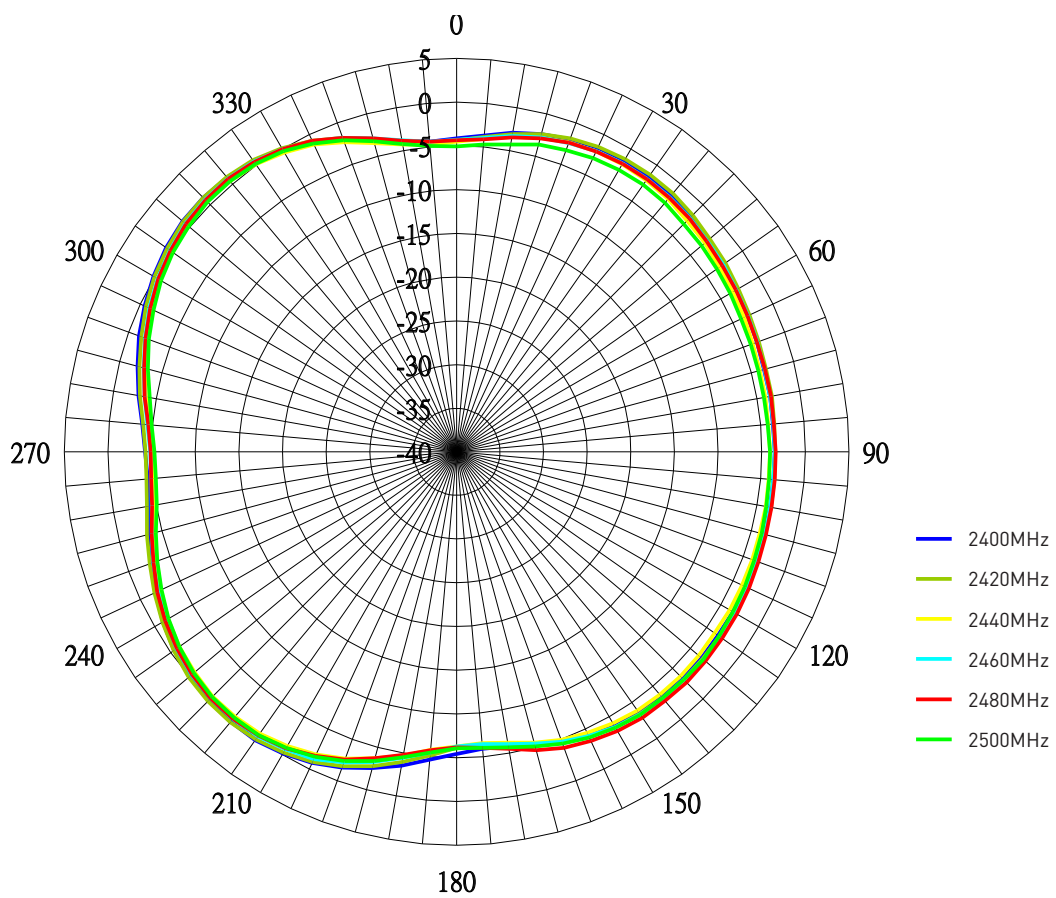
4.3 Antenna Efficiency



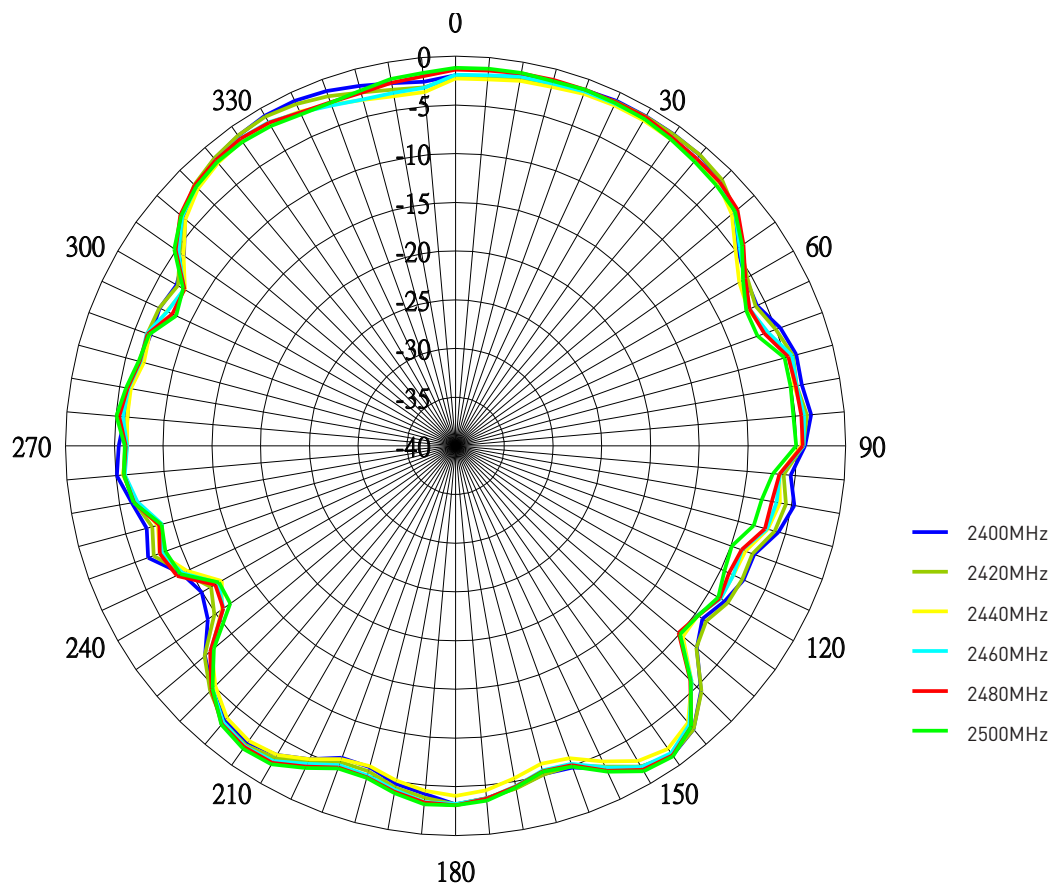
4.4 Antenna Pattern (XY plane)



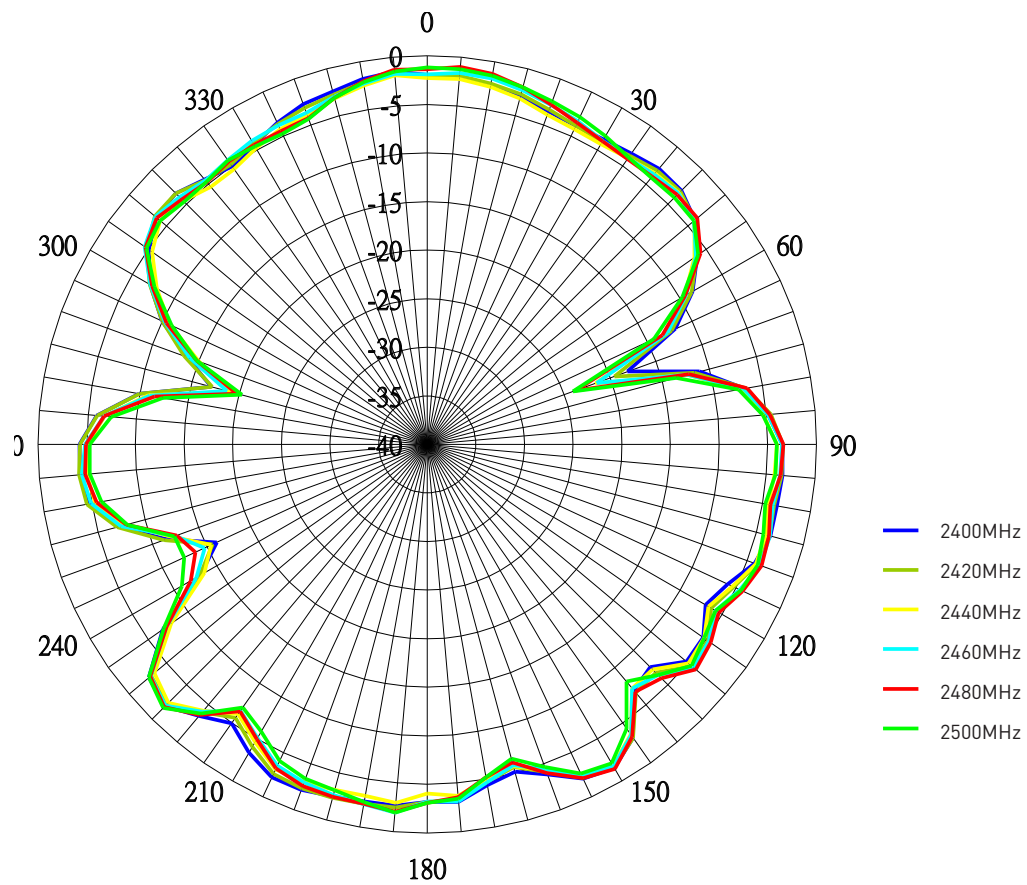
4.5 Antenna Pattern (XY plane)



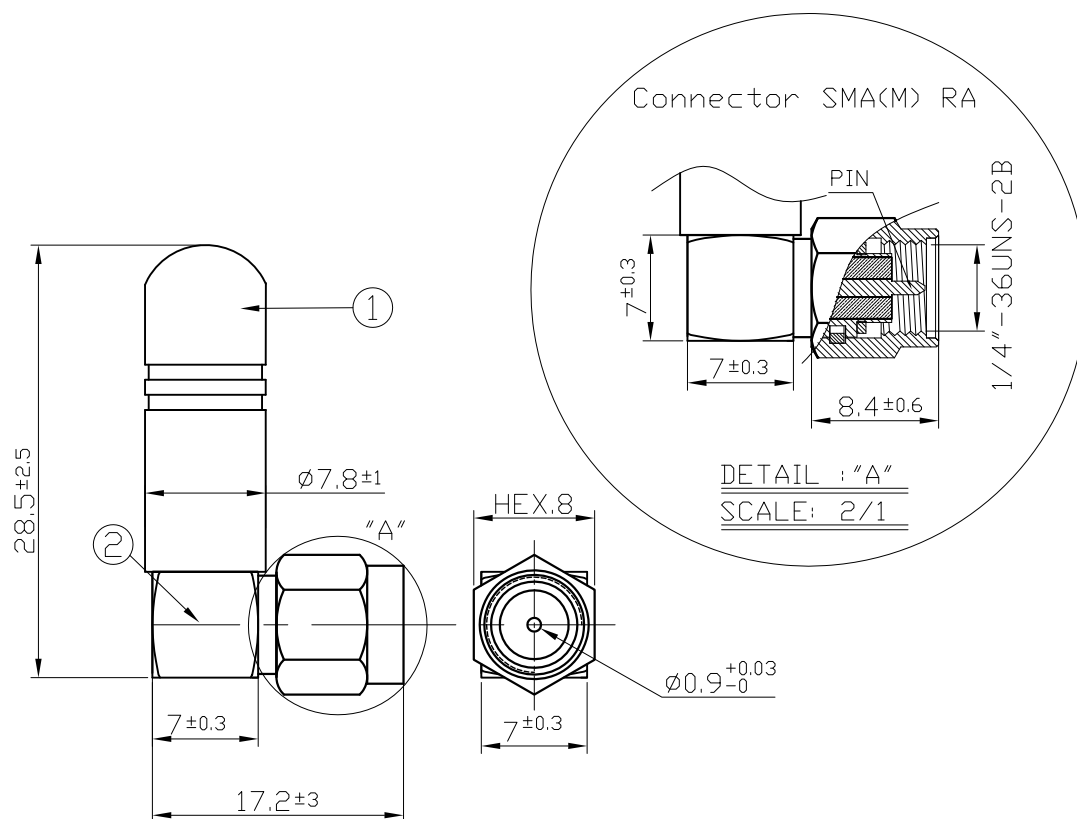
4.6 Antenna Pattern (XZ plane)



4.7 Antenna Pattern (YZ plane)



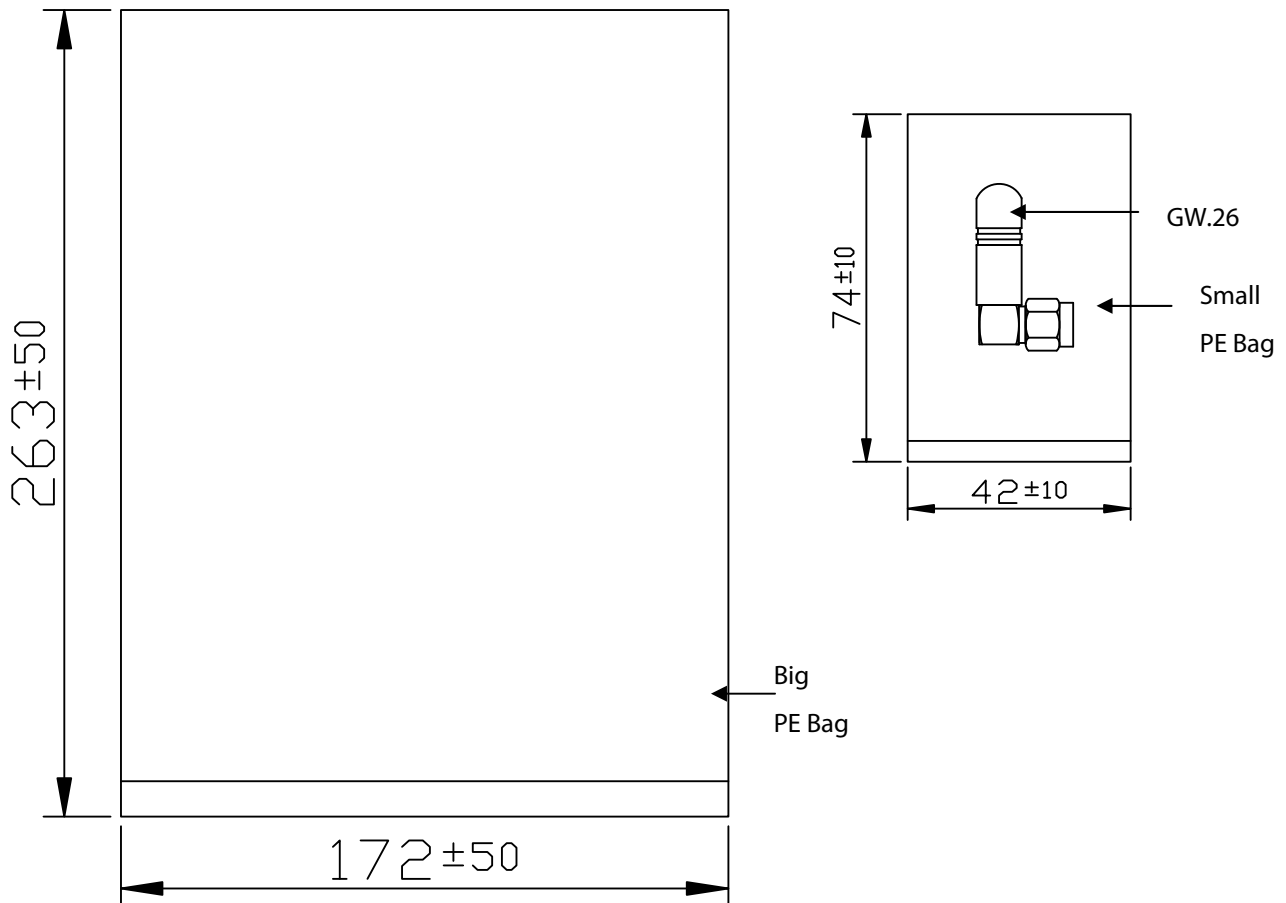
5. Outline Drawings and Structure



	Name	Material	Finish	QTY
1	Antenna Housing	TPEE	Black	1
2	SMA(M) RA	Brass	Ni Plated	1

6. Packaging

1 pcs antennas per small PE bag
100 small PE bags per big PE bag
100 pcs antennas per big PE bag



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