

SPECIFICATION

Part No. : **PF.1002.173**

Product Name : 2.4G Wide Band Flexible Antenna
2400MHz -2500 MHz

Features : 2.4G Terminal Mount Dipole Antenna
2400-2500 MHz
>75% Efficiency on All bands
2.0 dBi Peak Gain
10*40*0.14 mm size
1.13 mm mini coax
Peel and stick 3M adhesive on back
RoHS Compliant



2. Specifications

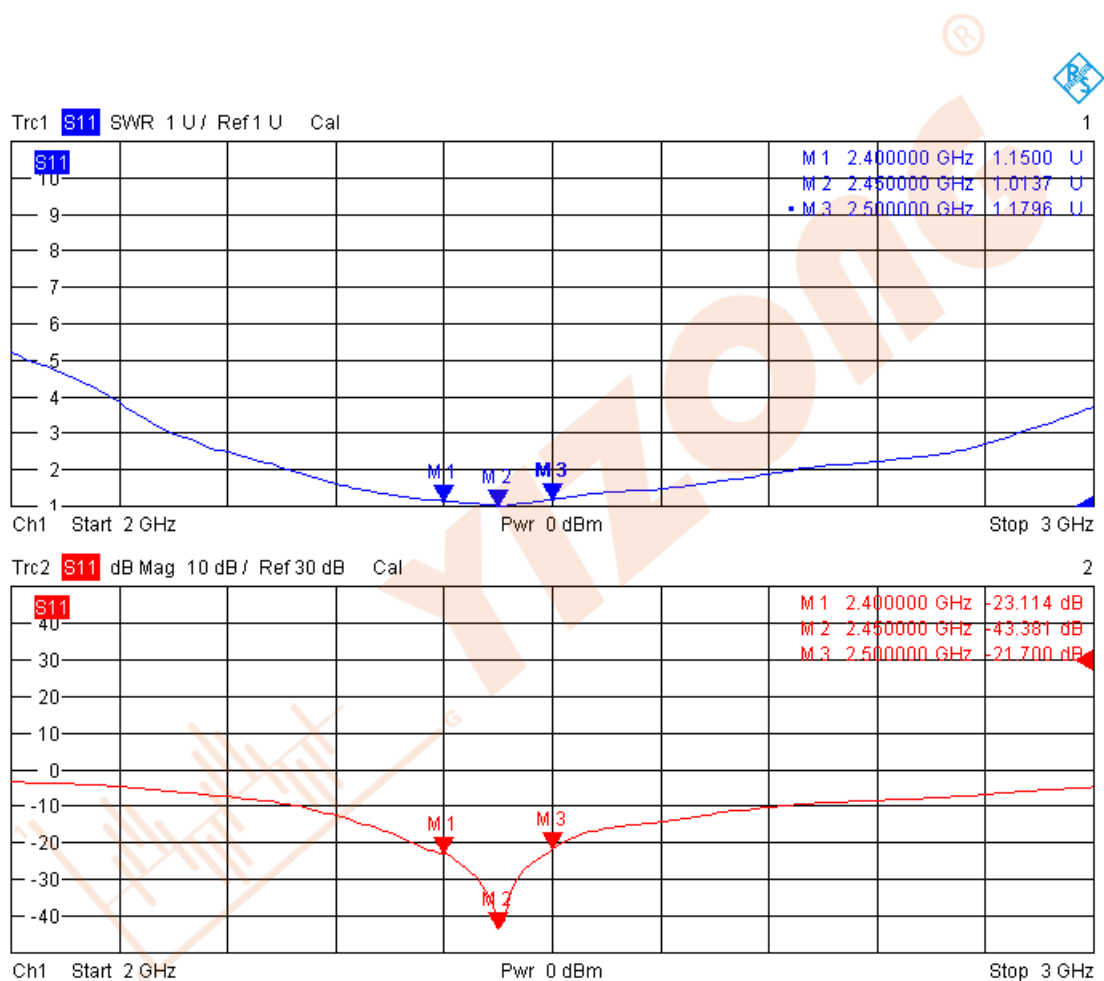
Electrical	
Frequency (MHz)	WiFi.BT.ZigBee.ISM
	2400~2500
VSWR	< 2.0
Return Loss (dB)	-10
Peak Gain (dBi)	2.0
Efficiency (%)	~75
Average Gain (dBi)	-1.1
Radiation Properties	Omni-directional
Max Input Power (Watts)	5
Polarization	Linear
Impedance (Ohms)	50

Mechanical	
Dimensions (mm)	10*40*0.14 mm
Material	FPC
Connector and Cable	1.13 mm mini coax
Cable Length	128.5 mm

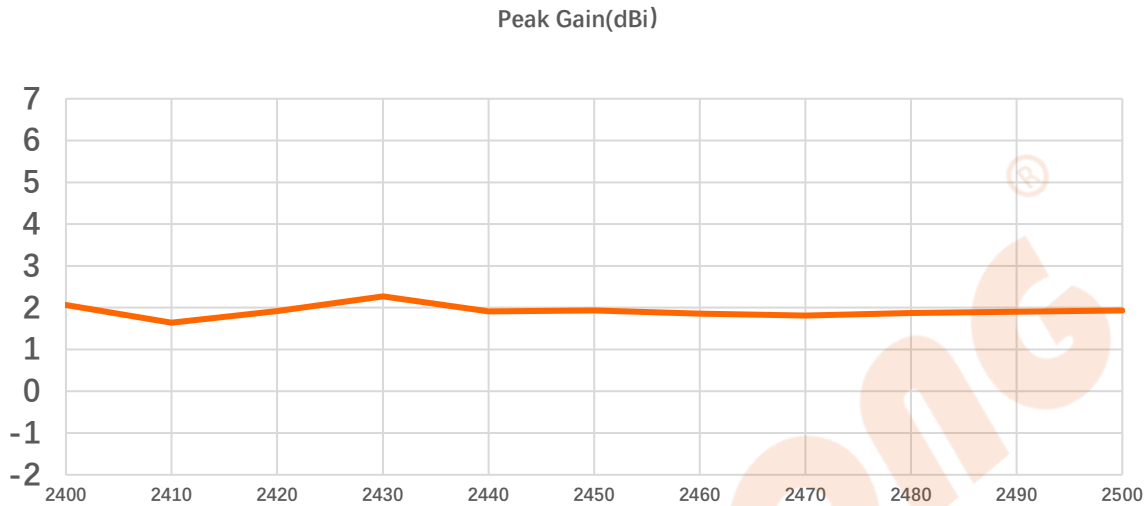
Environmental	
Operation Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
RoHs Compliant	Yes

2. ANTENNA PARAMETERS

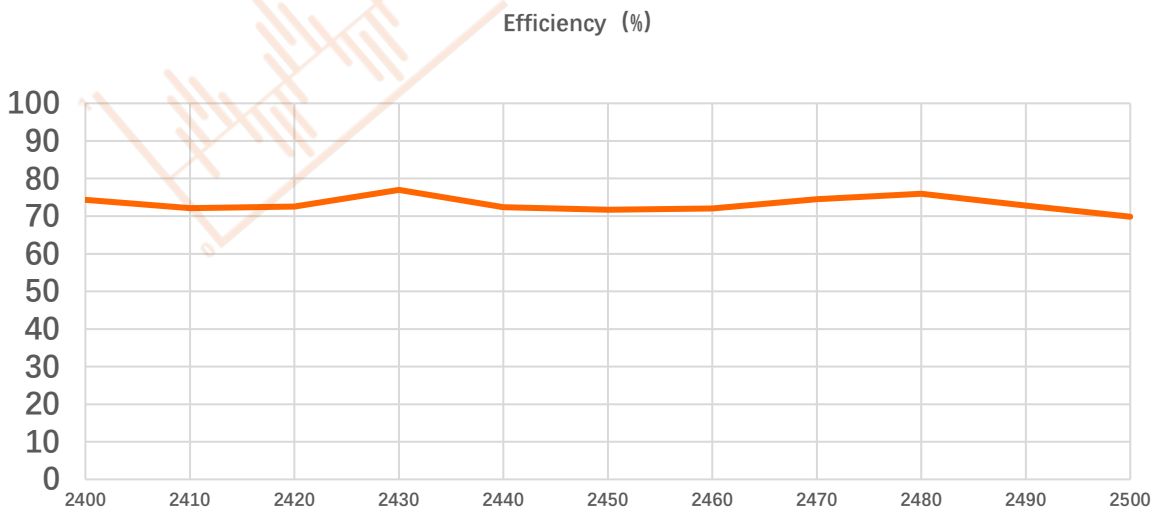
2.1 S Parameter



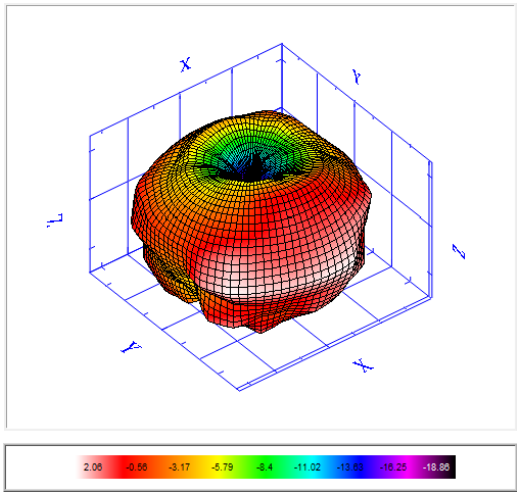
2.2 Peak Gain



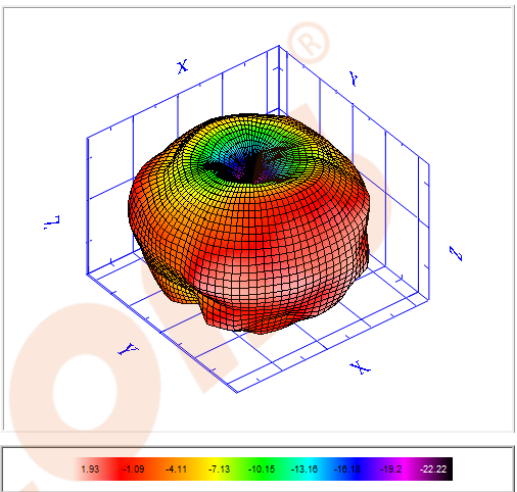
2.3 Efficiency



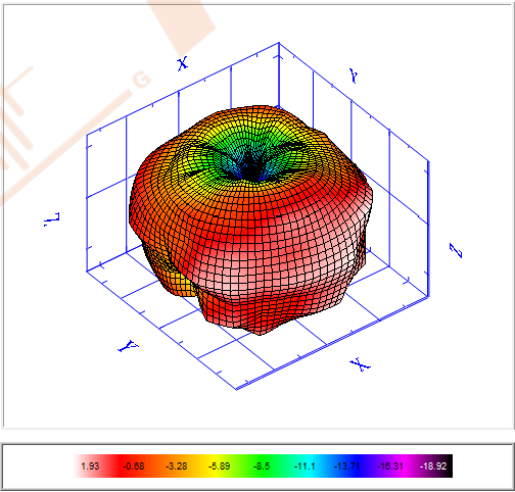
2.4 Radiation Pattern



Radiation Pattern at 2400 MHz of Antenna.

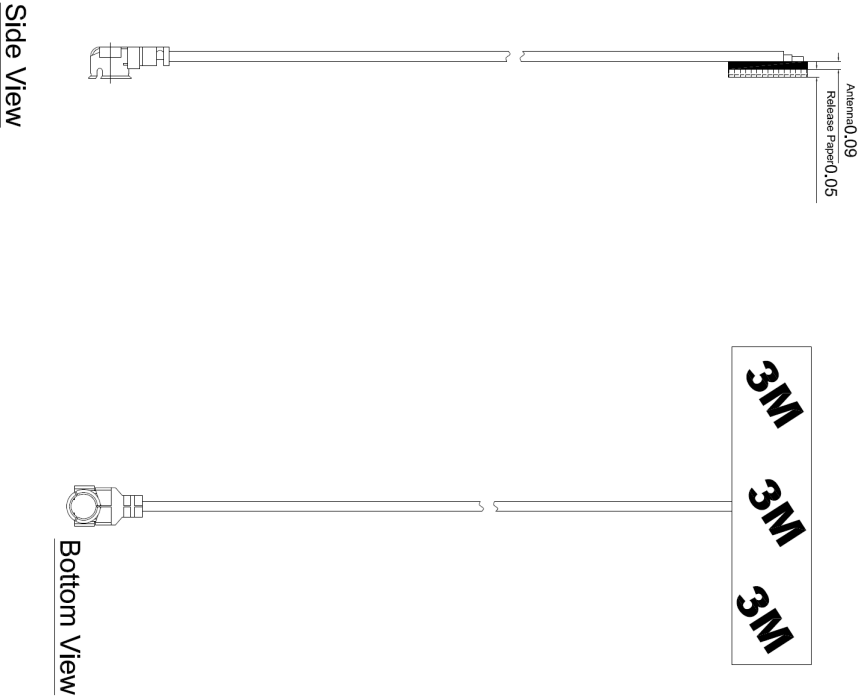
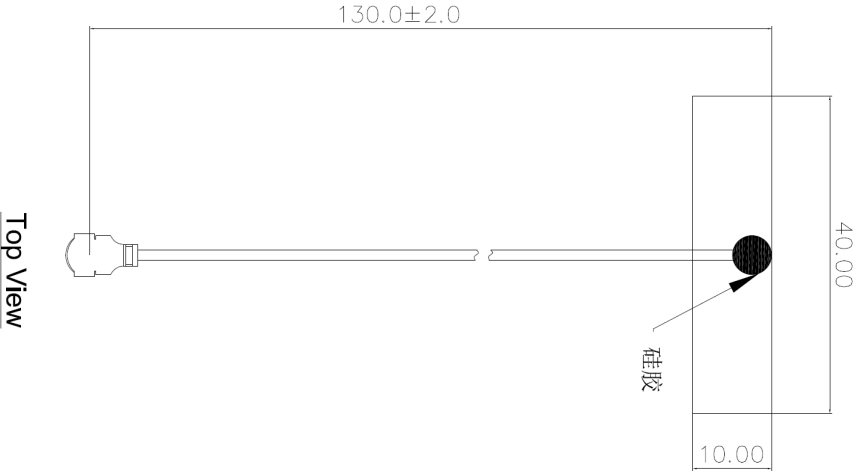


Radiation Pattern at 2450 MHz of Antenna.



Radiation Pattern at 2500 MHz of Antenna.

3. MECHANICAL DRAWING



3	RF Connector	Cu Au Plated	I-PEX MHF Plug 20278-112R-13	1
2	RF Cable	O.D.1.13mm : Black	L=128.5mm	1
1	Antenna radiator	FPC	10*40*0.14	1
NO	Description	Material	Specification	Qty