

2.4G H8 CS SMD Antenna

Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd.
(often abbreviated as MyAntenna).



PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Color
M01-X02011M233	0.9g	20.0*11.0*8.0mm	Silver

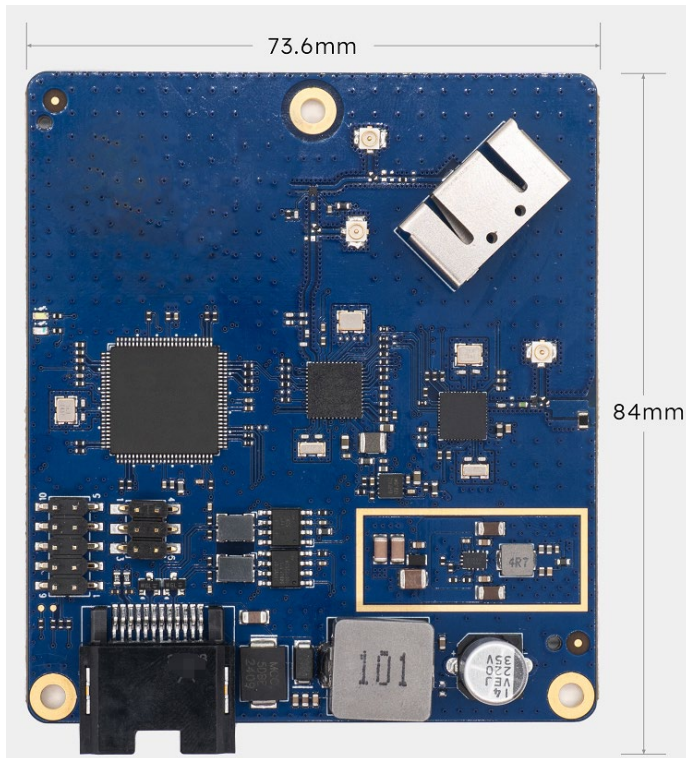
SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500
VSWR (Max)	2.0:1
Peak Gain, dBi (Typ)	Up to 0.67
Peak Efficiency,%	Up to 65.09
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Radome	Silver
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	REACH/RoHS Compliant

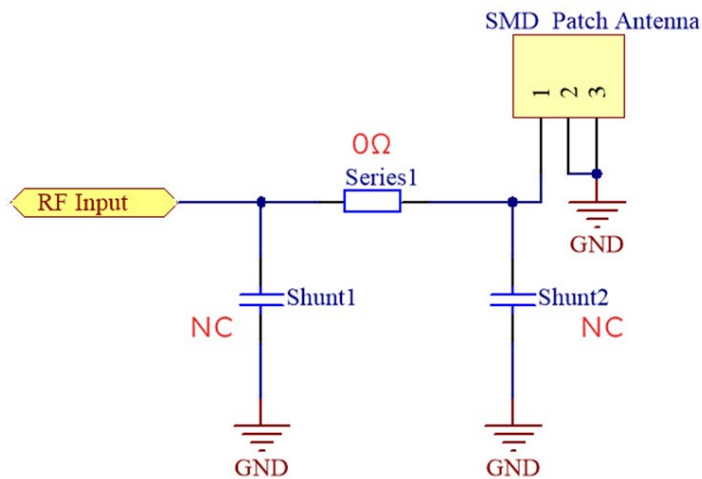
EVALUATION BOARD WITH ANTENNA

The evaluation board provides operation at 2400-2500 MHz

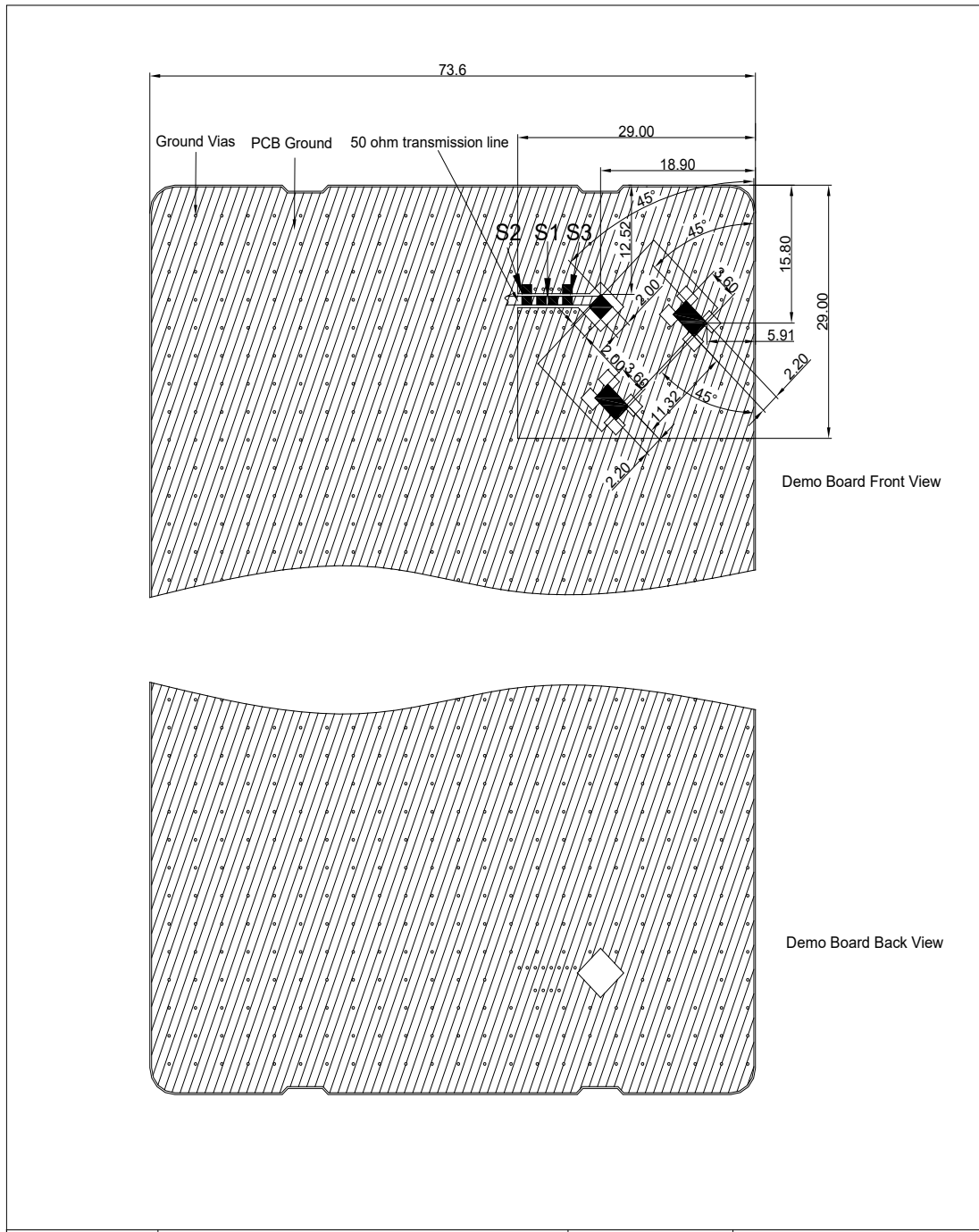
Evaluation Board dimension: 84.0 x 73.6 x 1.6mm



MATCHING NETWORK



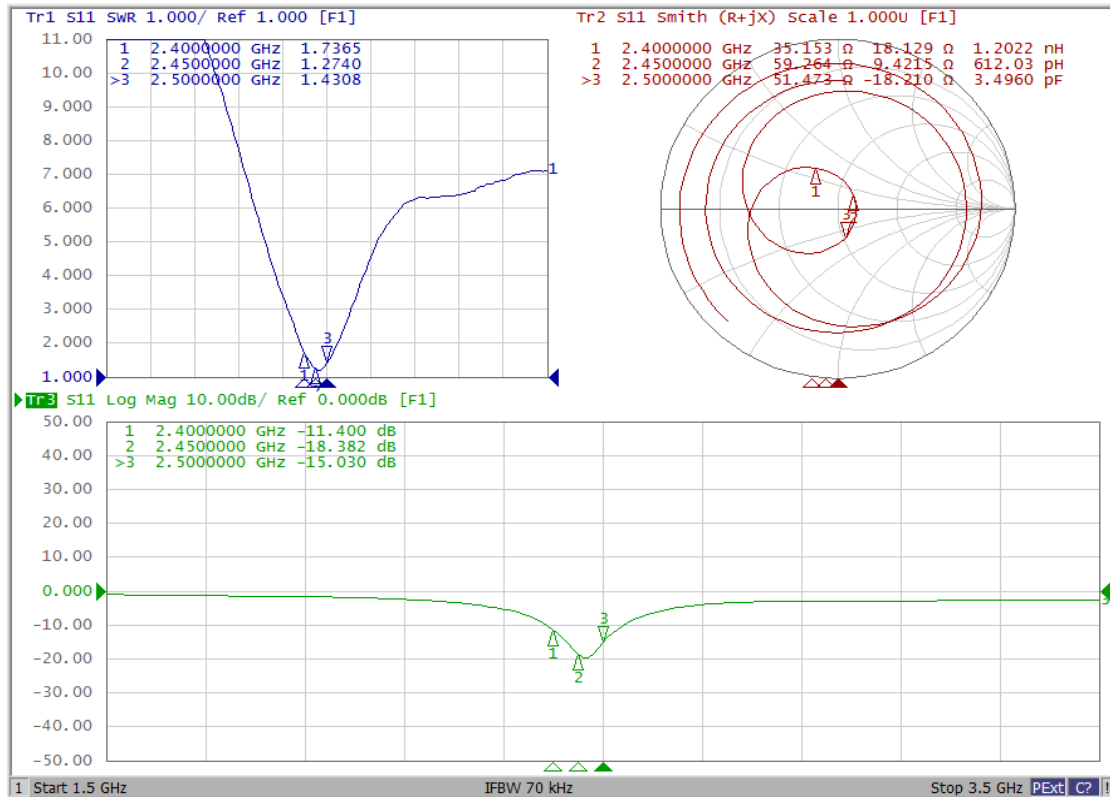
RECOMMENDED FOOTPRINT AND LAYOUT



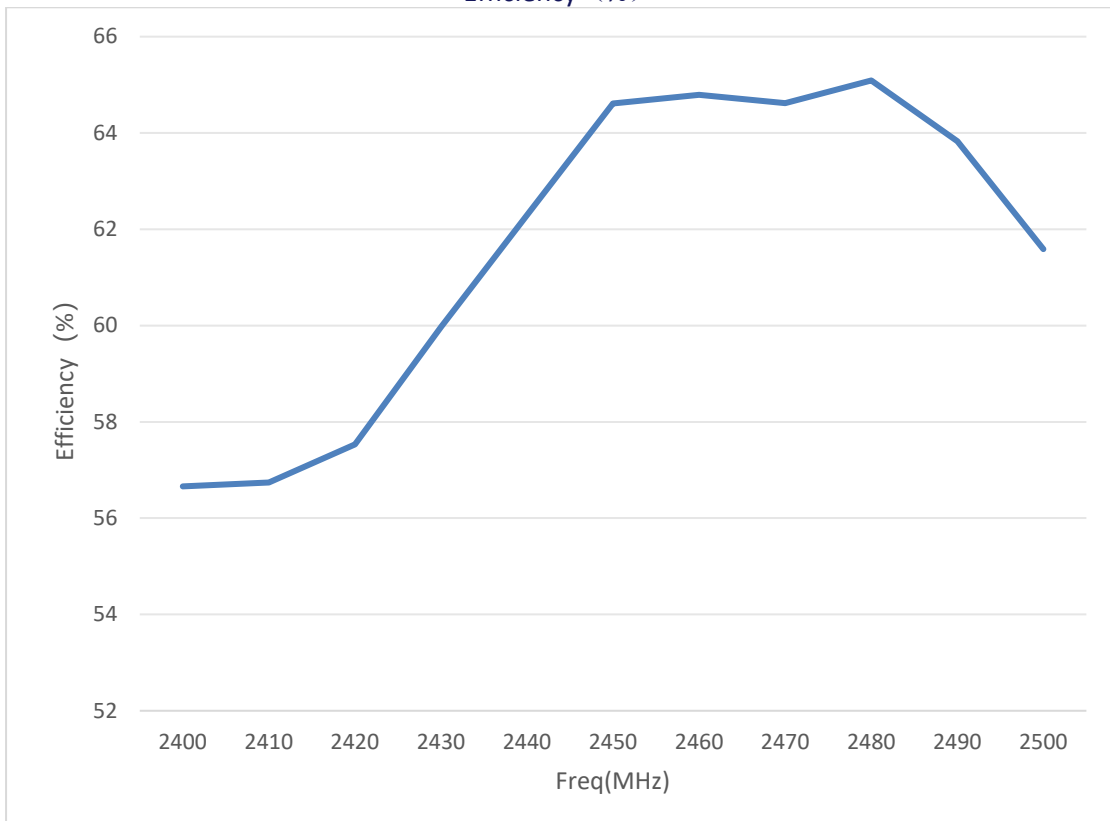
Tag Number	Value	Brand	PN
S1	RES SMD 0402 0R ±1%	UniOhm	D03-0100010000
S2	NC	NC	NC
S3	NC	NC	NC

ELECTRICAL DATA

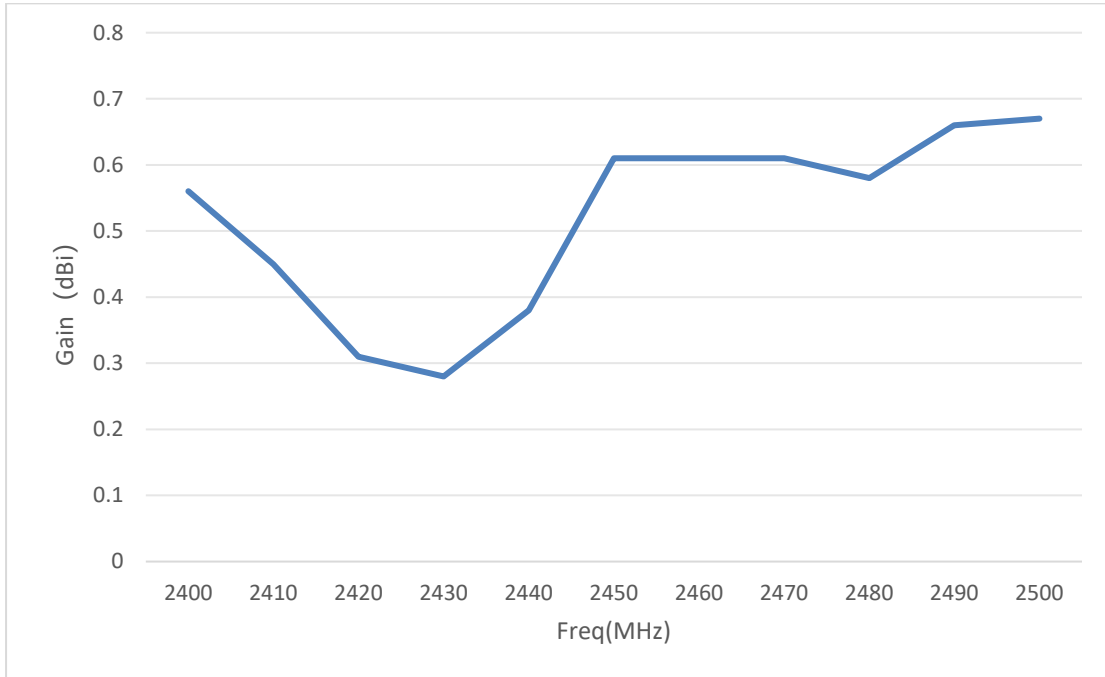
V.S.W.R



Efficiency (%)

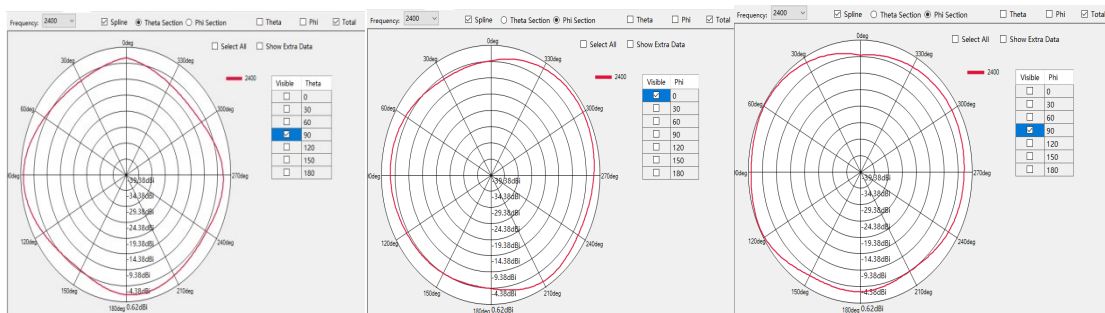


Peak Gain (dBi)

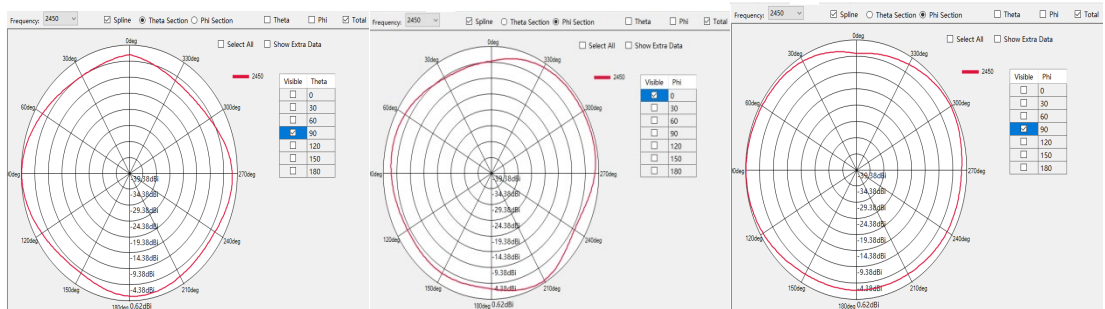


RADIATION PATTERNS

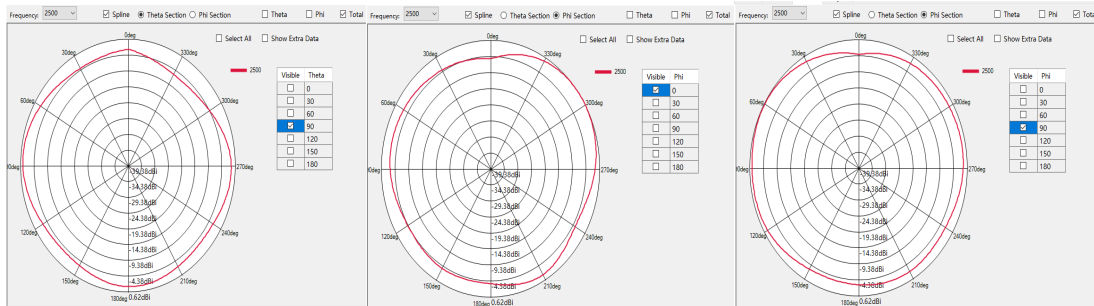
2D Radiation Pattern at 2400MHz



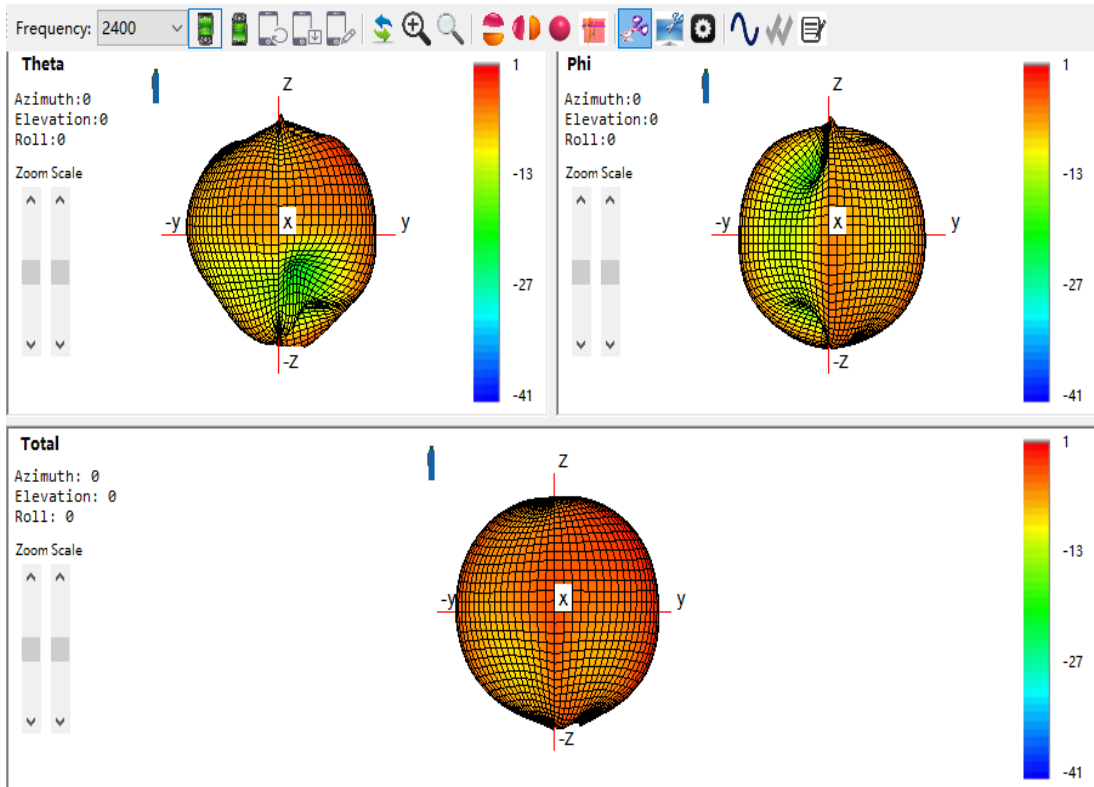
2D Radiation Pattern at 2450MHz



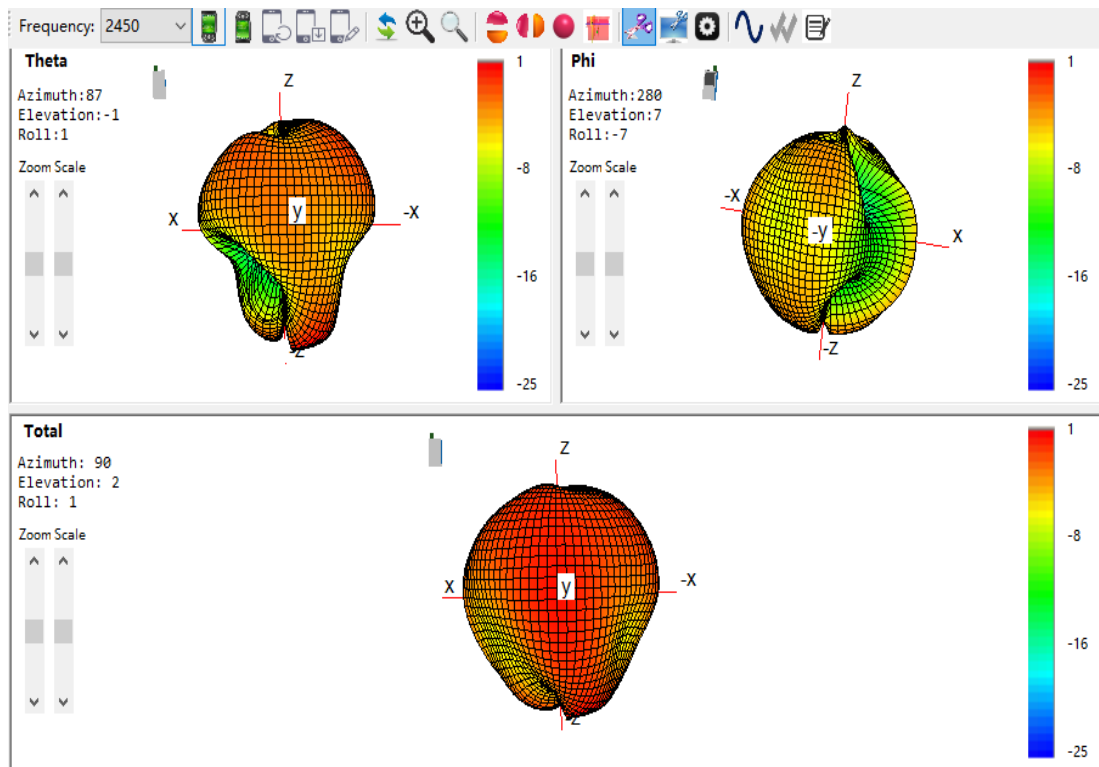
2D Radiation Pattern at 2500MHz



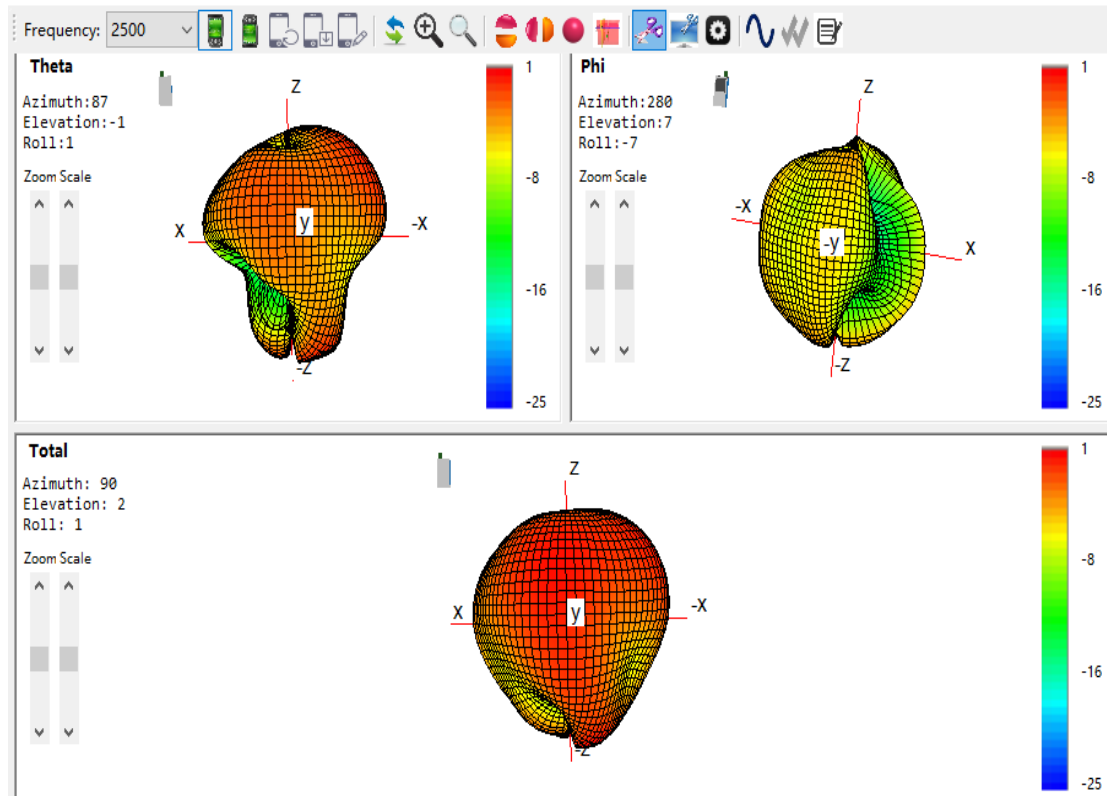
3D Radiation Pattern at 2400MHz



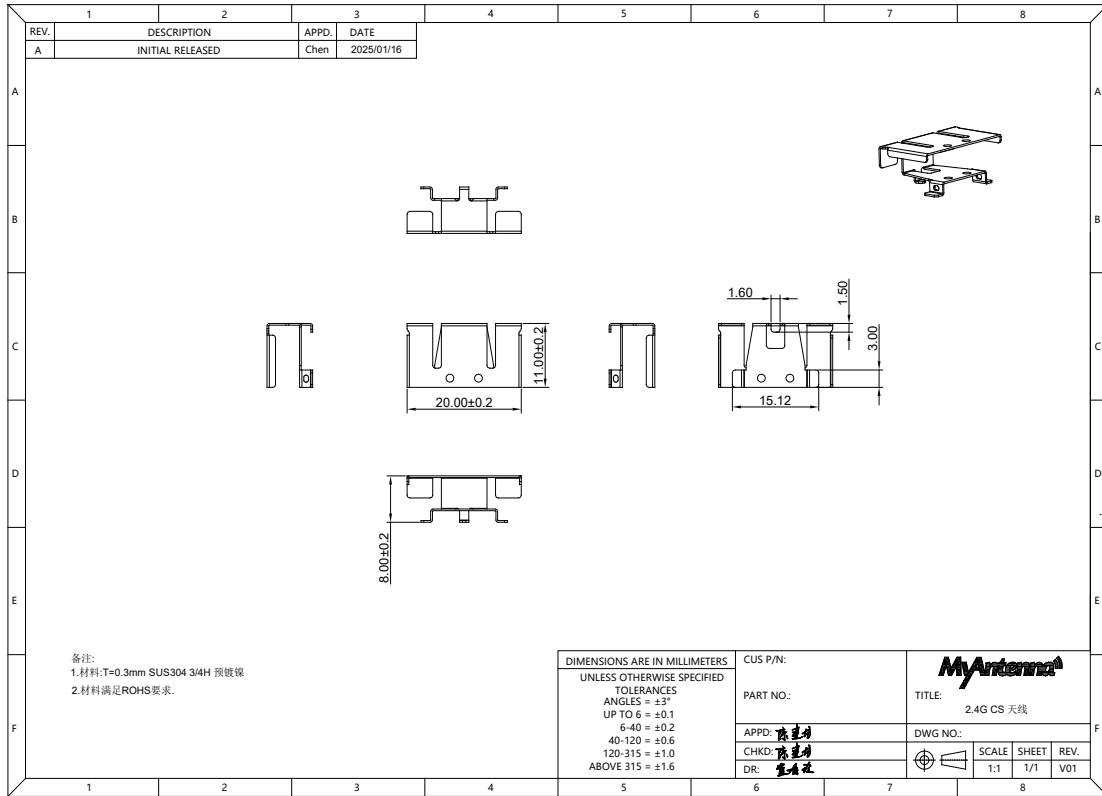
3D Radiation Pattern at 2450MHz



3D Radiation Pattern at 2500MHz



HOUSING CONFIGURATIONS



PACKAGING

Optimal Storage Conditions for Packaged Reels

Temperature	-5°C to 40°C
Humidity	Less than 70% RH
Shelf life	18 months
Storage place	Away from corrosive gas and direct sunlight
Packaging	Reels should be stored in unopened sealed manufacturer's plastic packaging.

Note

Storage of open reels of antennas is not recommended due to possible oxidation of pads on antennas. If short-term storage is necessary, then it is highly recommended that the bag containing the antenna reel is re-sealed and stored in like storage conditions as in the above table.

Packagings and Dimensions (Unit: mm)

