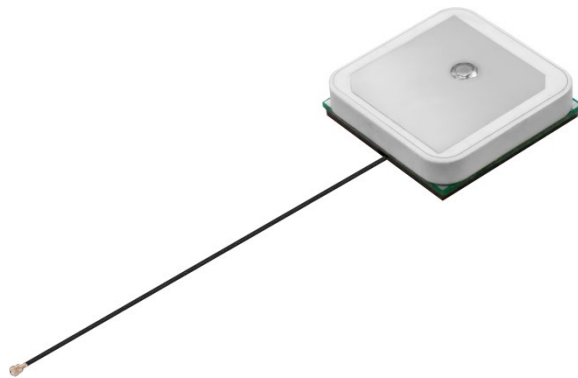


2.4G Ceramic Directional Antenna

FEATURES



- 1.High directionality
- Directionality: Ceramic directional antennas have high directionality, which can concentrate wireless signals in a specific direction, improve signal strength and transmission distance
- Beam width: A narrower beam width can reduce interference and focus on communication in a specific direction.
- 2. Small volume
- Compact design: Ceramic antennas are made of ceramic materials, with a compact design and small volume, suitable for use in devices with strict space limitations.
- Lightweight: Its compact and lightweight characteristics make it easy to integrate into various electronic devices.
- 3. Material characteristics
- Ceramic materials: Ceramic materials have high dielectric constant and low loss characteristics, which can achieve efficient antenna performance in a small volume
- Durability: Ceramic materials are resistant to high temperatures and corrosion, and have good durability and stability.
- 4. Widely applicable
- Wi Fi devices: commonly used in routers, wireless network cards, and other Wi Fi devices to improve signal coverage and transmission speed.
- Internet of Things (IoT) devices: suitable for various IoT devices, including smart homes, industrial automation, and medical devices, etc
- Bluetooth communication: used for Bluetooth devices to improve the transmission quality and distance of Bluetooth signals.
- conclusion
- 2.4GHz ceramic directional antennas are widely used in Wi Fi, Bluetooth, and other applications due to their high directionality, small size, high gain, and durability In Zigbee and other wireless communication systems. Especially in applications with high requirements for space and performance, its compact design and efficient performance make it an important component in wireless communication systems.



PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
M01-0601680ROA	10g	25.0*25.0*7.0 mm	Φ0.81*100mm	IPEX 3	Silver+White

SPECIFICATIONS

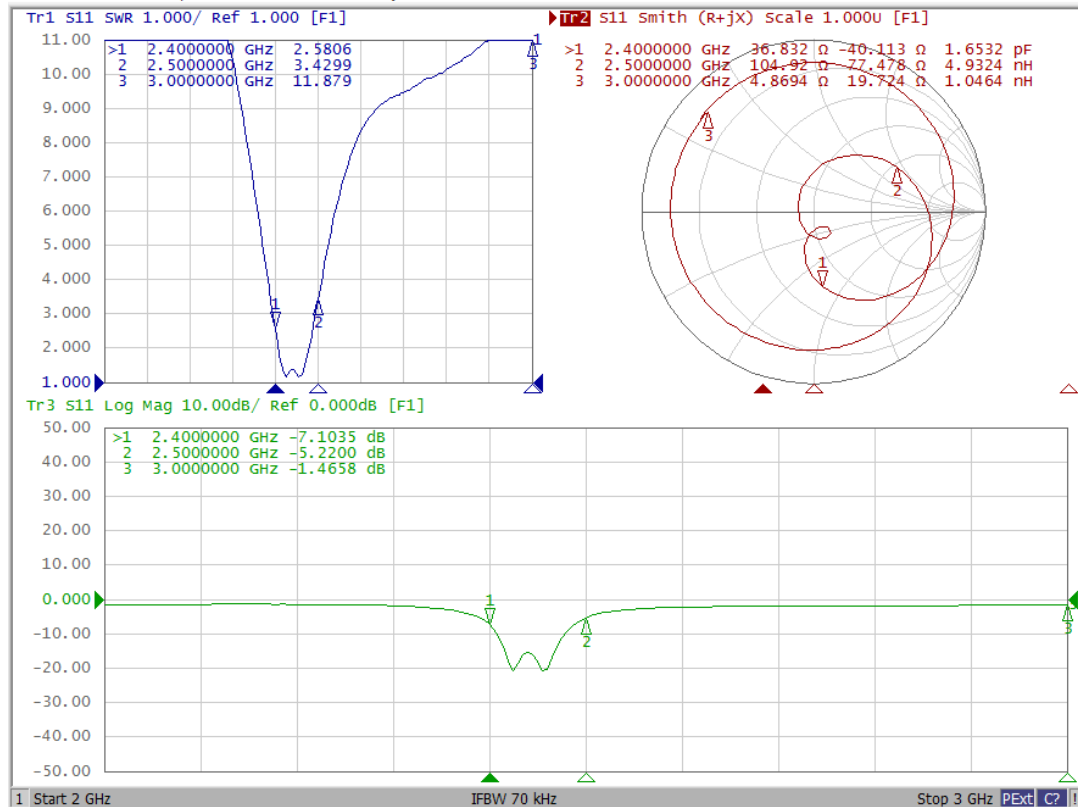
PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500
VSWR (Max)	3.5:1
Peak Gain, dBi (Typ)	Up to 2.40
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	60°
Polarization	Linear, Directional antenna
Color	Silver+White
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	REACH/RoHS Compliant

ELECTRICAL DATA

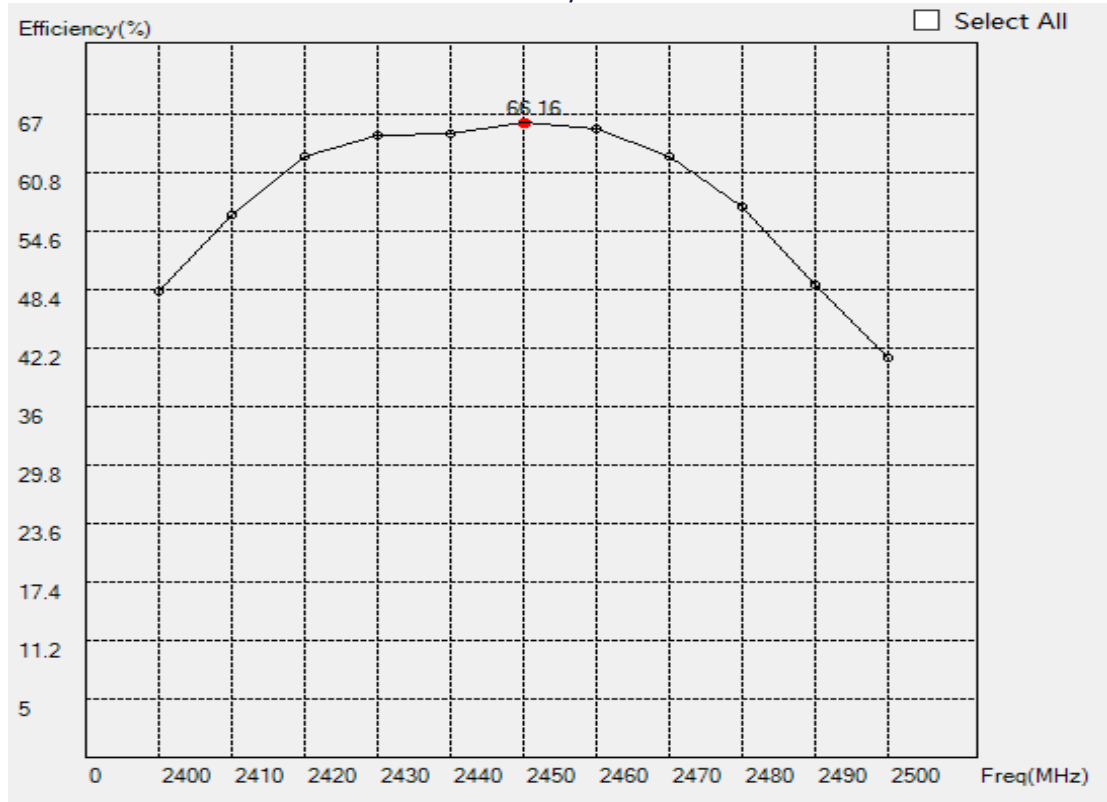
Return Loss

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



Efficiency (%)

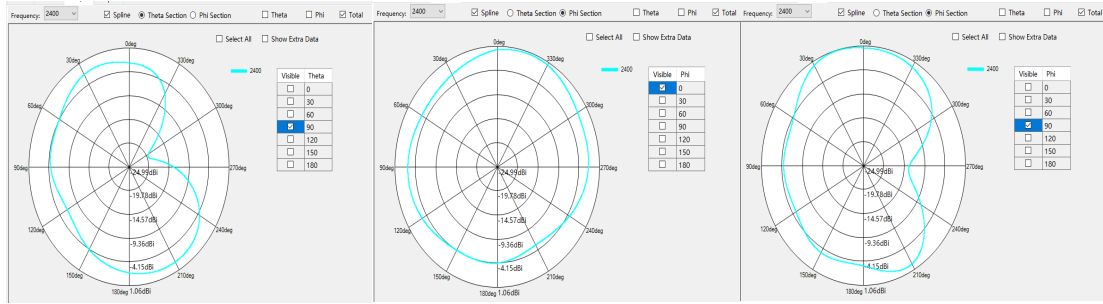


Peak Gain (dBi)

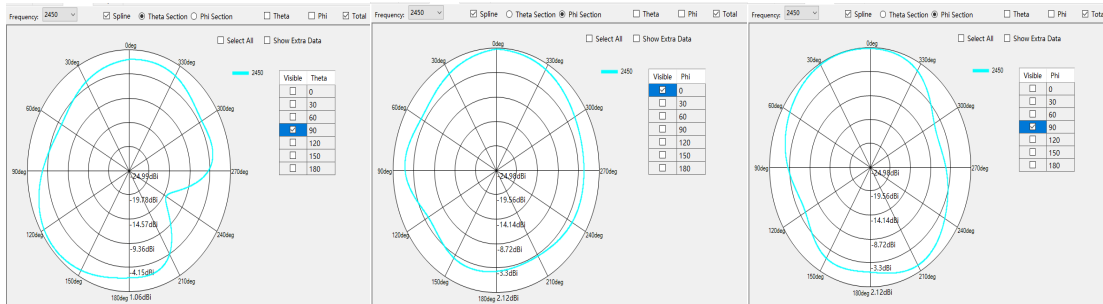


RADIATION PATTERNS

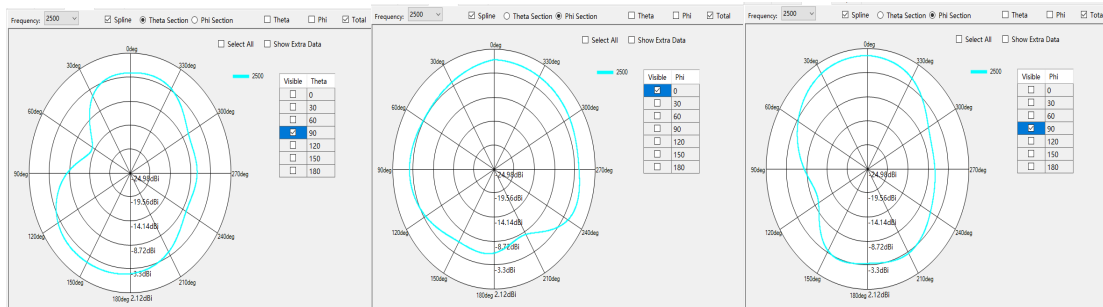
2D Radiation Pattern at 2400MHz Gain=0.95dBi



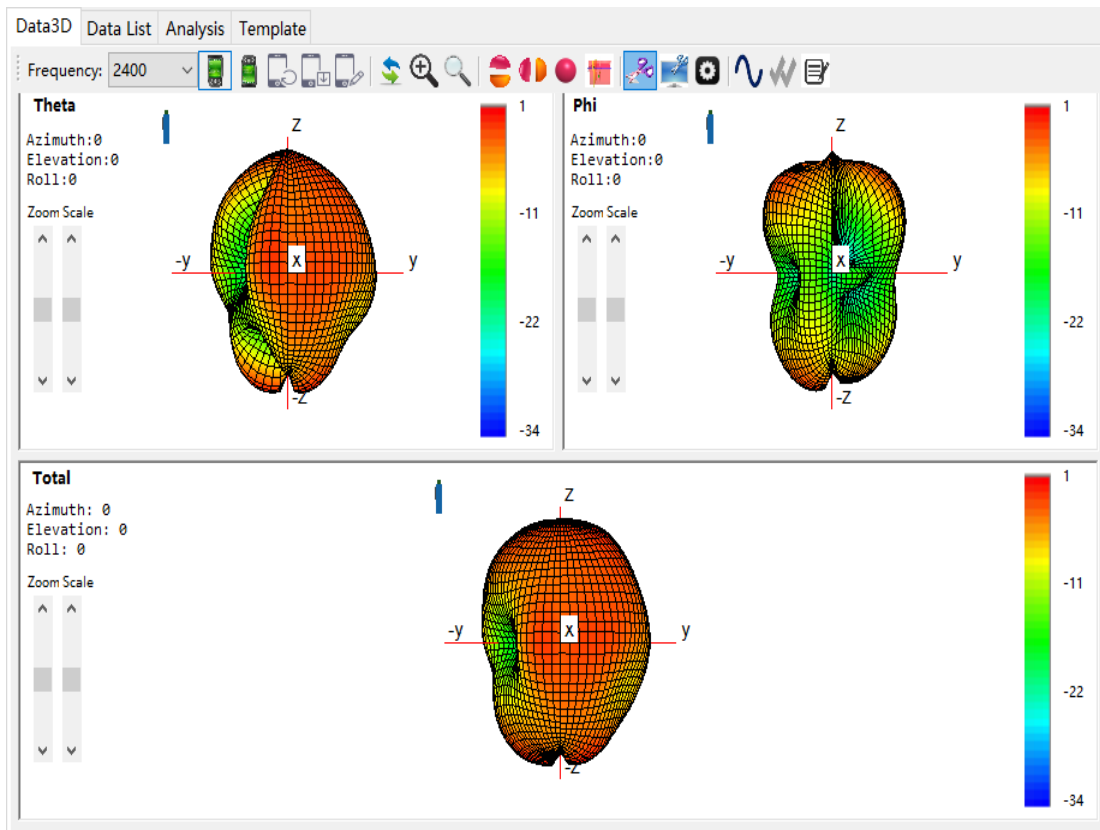
2D Radiation Pattern at 2450MHz Gain=2.11dBi



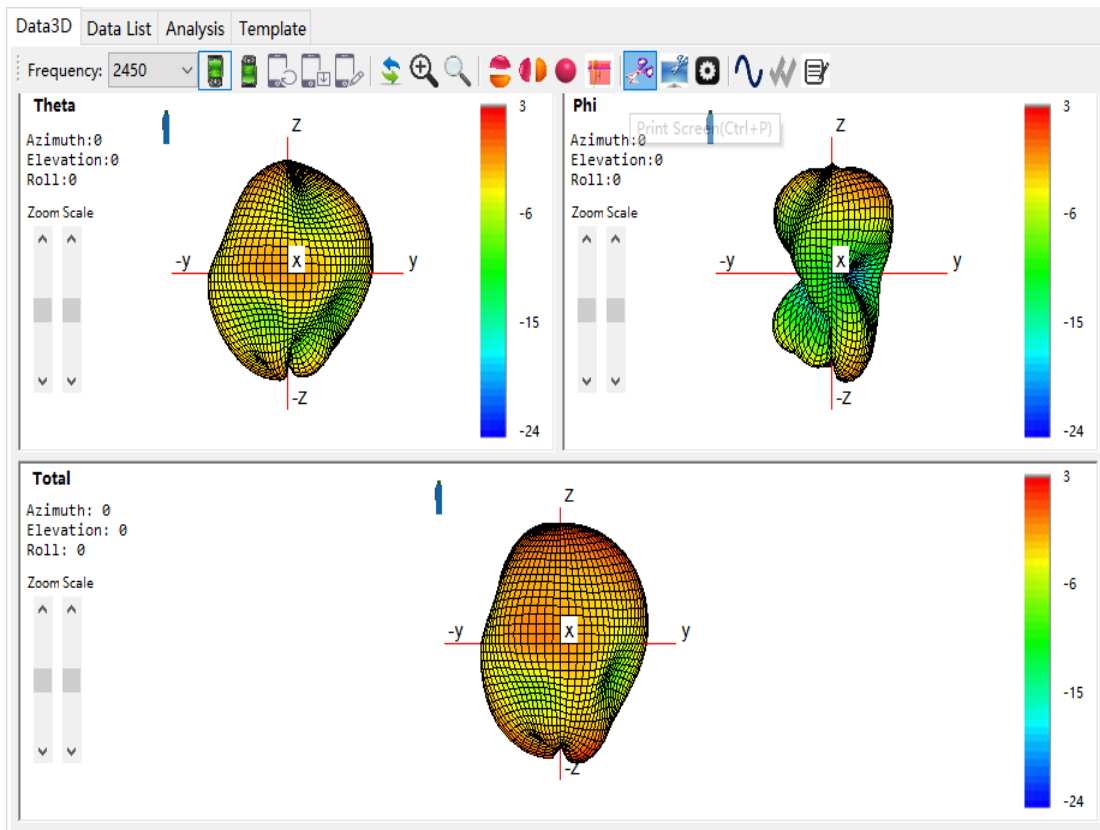
2D Radiation Pattern at 2500MHz Gain=0.7dBi



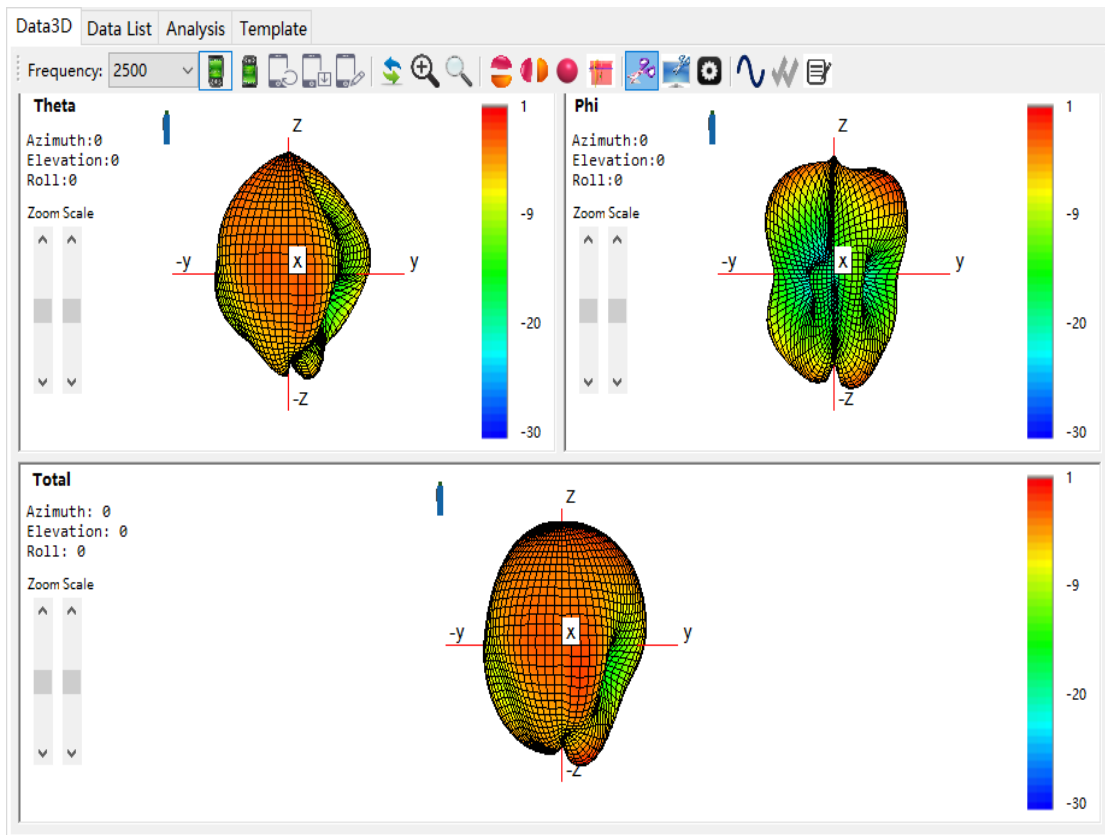
3D Radiation Pattern at 2400MHz Gain=0.95dBi



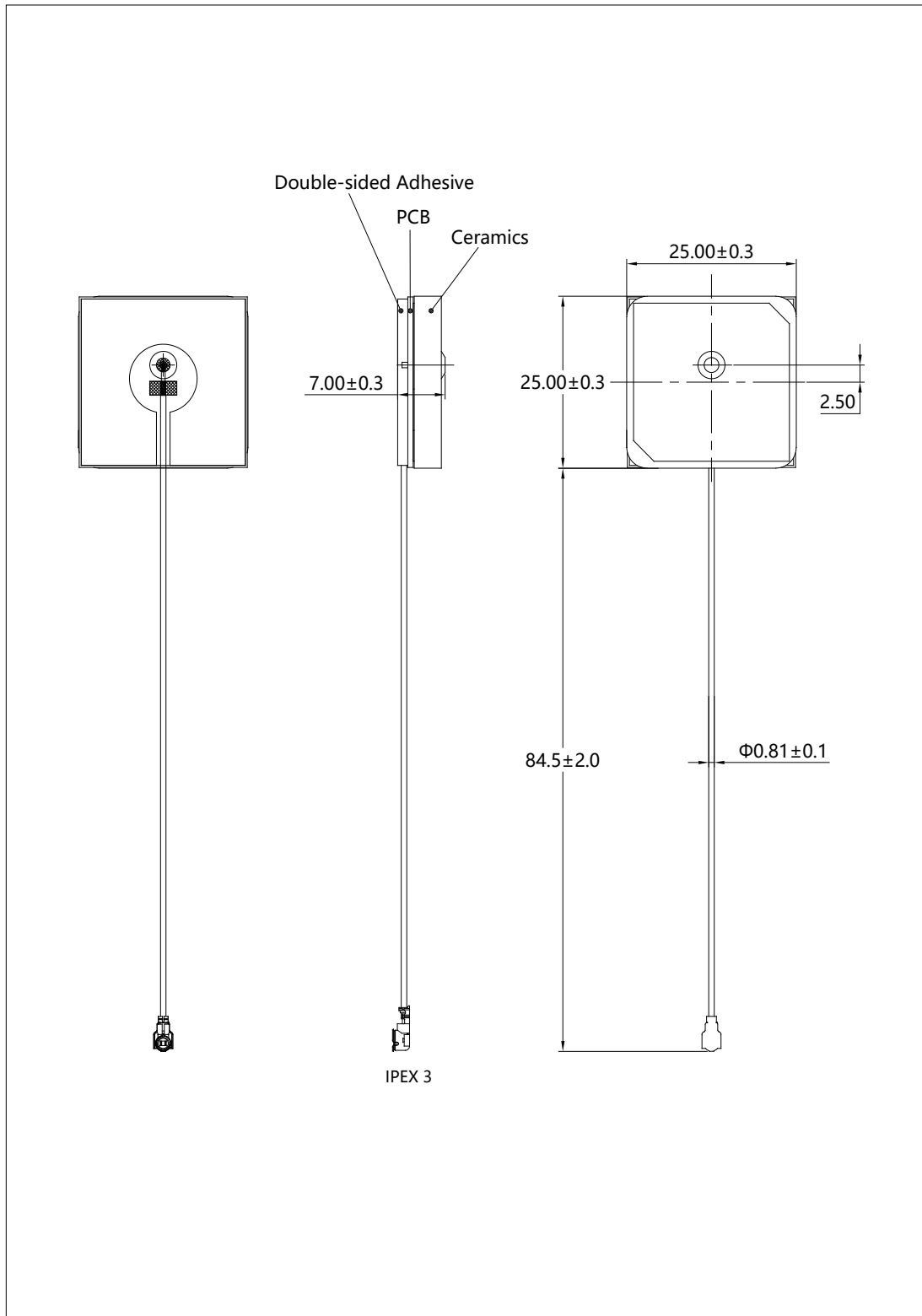
2D Radiation Pattern at 2450MHz Gain=2.11dBi



3D Radiation Pattern at 2500MHz Gain=0.7dBi



HOUSING CONFIGURATIONS



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