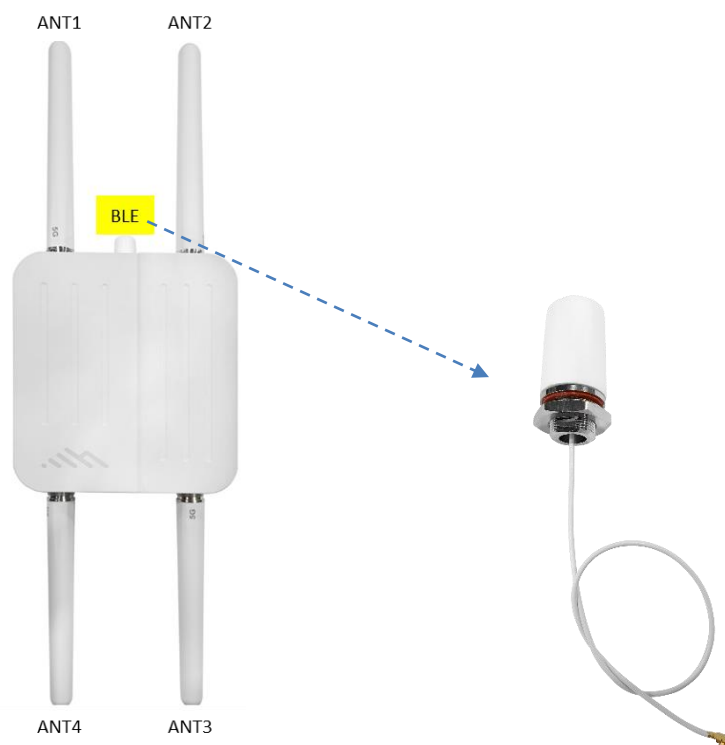


Ma Barker BLE Antenna

2400~2500 MHz

GTT P/N: 1039G00000030 (BLE)



✓ RF Specification

- Frequency Range: 2400~2500MHz
- Polarization: Linear
- HPBW / Horizontal: 360°
- HPBW / Vertical: 60°
- Peak Gain: 2.9 dBi max (with cable loss).
- VSWR: 2.0 Max.:1
- Power Handling: 2W(cw)
- Impedance: 50 Ohms
- Connector: IPEX MHFL I
- Jumper Cable: OD 1.32 , 200mm
- Antenna type: Monopole

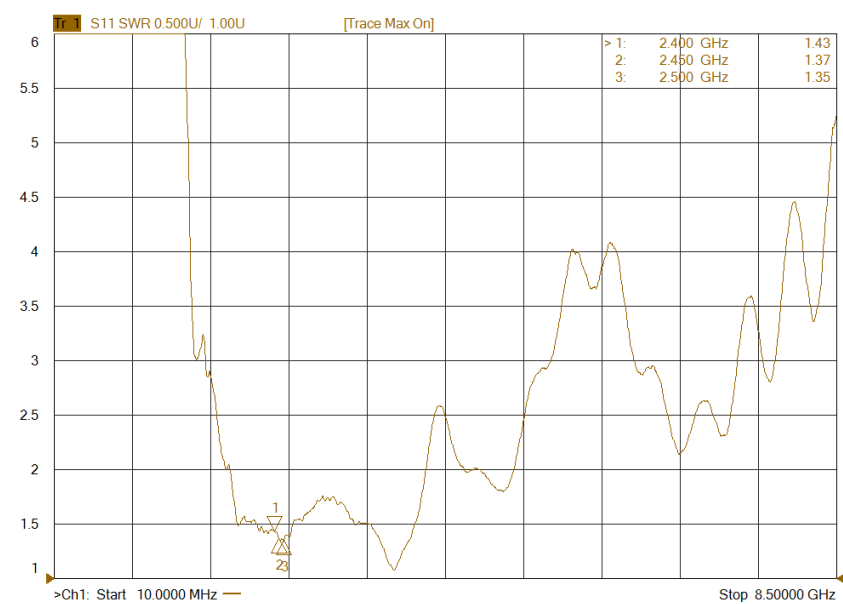
✓ Environmental & Mechanical Characteristics

- Temperature: -40°C to +70°C
- Humidity: 95% @55°C
- Waterproof Rating: IPX7
- Antenna Housing Color: White
- Antenna Housing Material: PC943, UV Resistance
- Dimensions: 30.0mm(L)x17.8mm(OD) (without OD1.32 cable)
- Weight: 27g

Performance Summary

VSWR(Stand Alone)

Frequency(MHz)	2400-2500
VSWR	2.0 max.:1



Gain Table

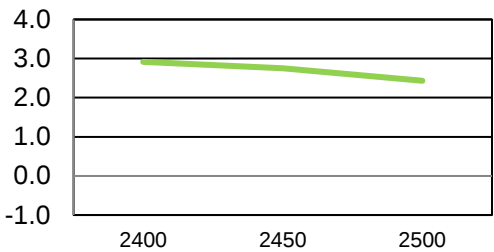
Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400	71%	-1.5	2.9
2450	71%	-1.5	2.8
2500	70%	-1.5	2.4

Peak gain

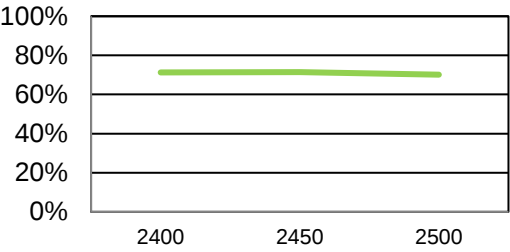
Efficiency

Avg. gain

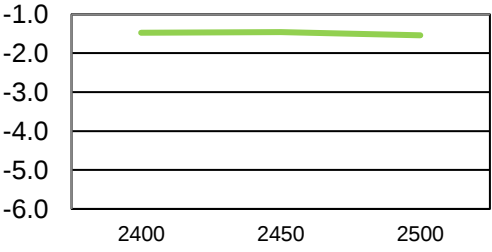
2400MHz~2500MHz



2400MHz~2500MHz



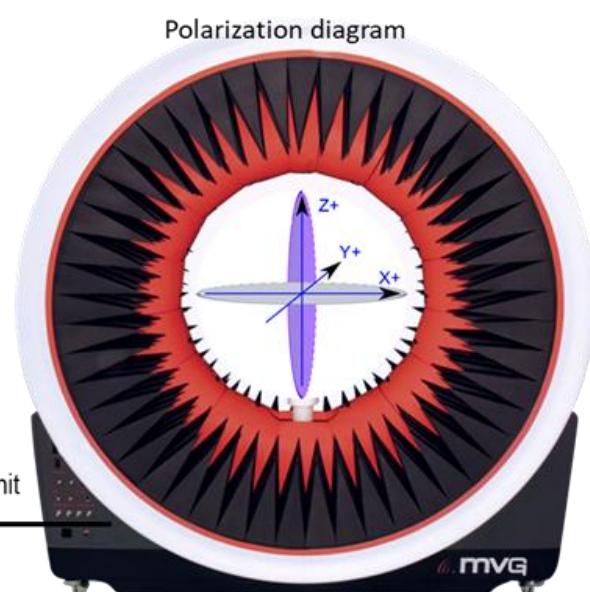
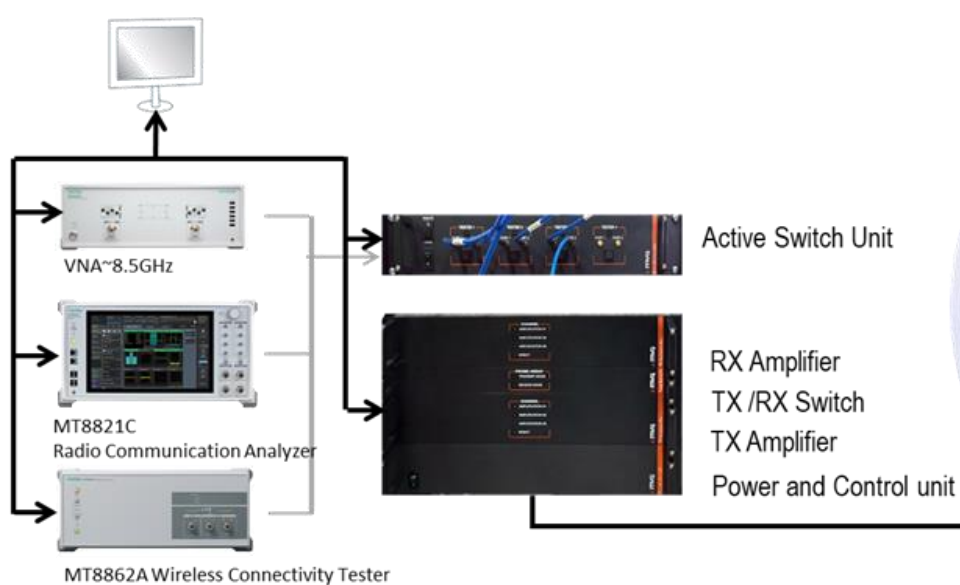
2400MHz~2500MHz



Antenna Testing Setup and Orientation



3D OTA Chamber-SATIMO Starlab® 2019



Radiation Pattern

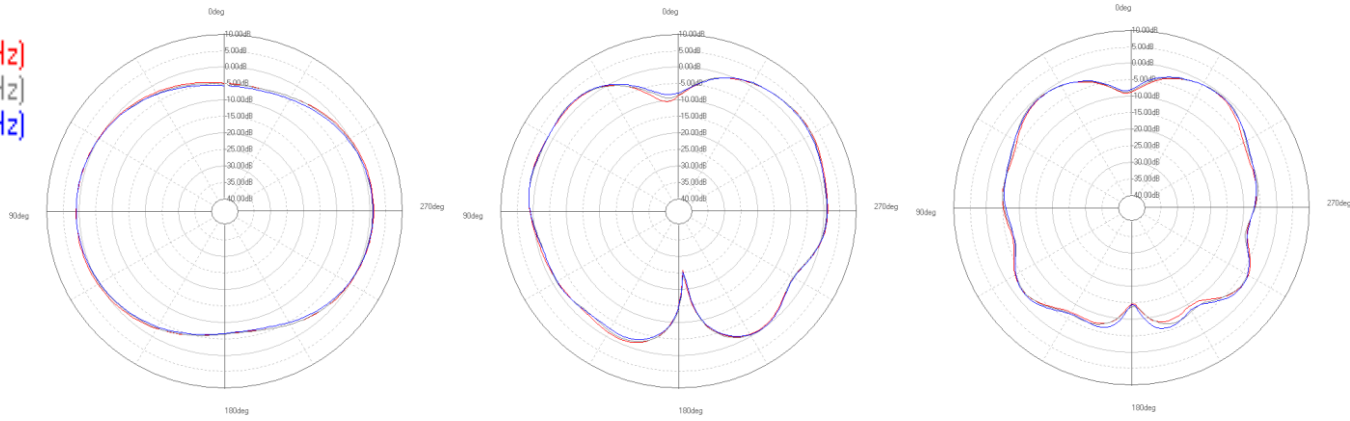
XY-plane

YZ-plane

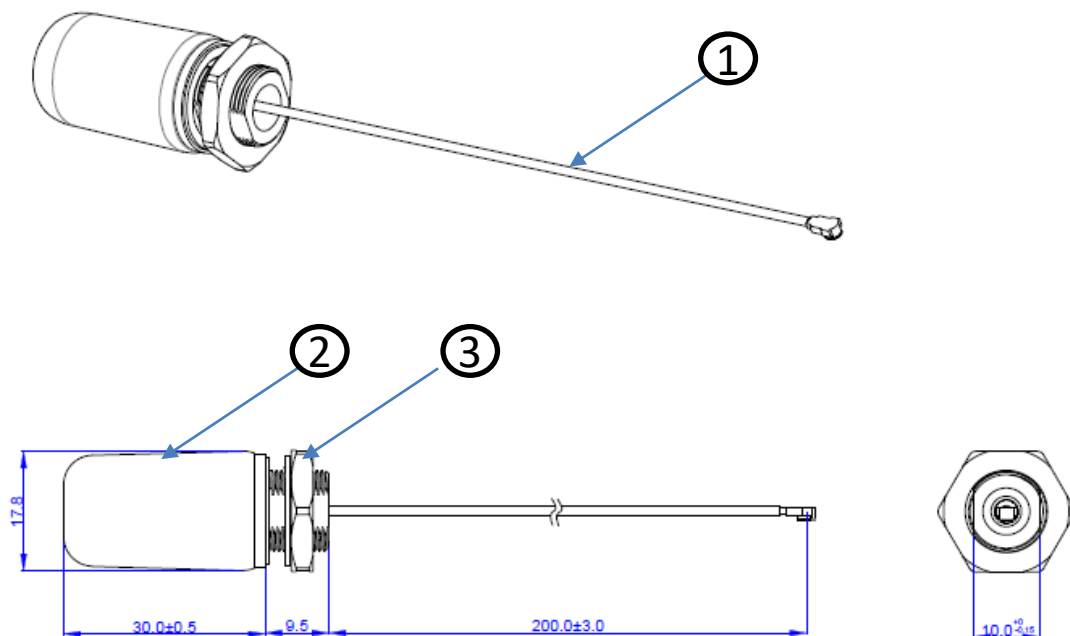
ZX-plane

Legend

— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)



Dimension(unit: mm)



1. MHF I R/A PLUG TO $\Phi 1.32$, White
2. M12 Tube, PC 943, TOP Cover
3. Fittings, CNC, For OD1.32