

ZBT-2 WIFI Antenna

ORDER INFORMATION

Product Name	ZBT-2 WIFI Antenna
Part Number	M04-0105600R0A
Antenna Manufacturer	Aboosty
Dimensions	76x 67x1.6 mm
Weight	20.5g
Color	Black
Mounting	On-board Antenna

REFERENCE GUIDE

Technical Features (MHz)	2400-2500
Max VSWR	2.0:1
Max Efficiency	65.0%
Peak Gain	5.81dBi
Radiation Pattern	Omnidirectional
Polarization	Linear
Types of Antennas	On-board antenna
Structure	PCB
Input Impedance	50 Ω
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Relative Humidity	10 to 70%
Material Substance Compliance	RoHS Compliant
Dimensions (L x W x H)	76x 67x1.6 mm
All data were tested on a base mounted on a 76x 67mm PCB.	

MyAntenna RF Technology Co., Ltd

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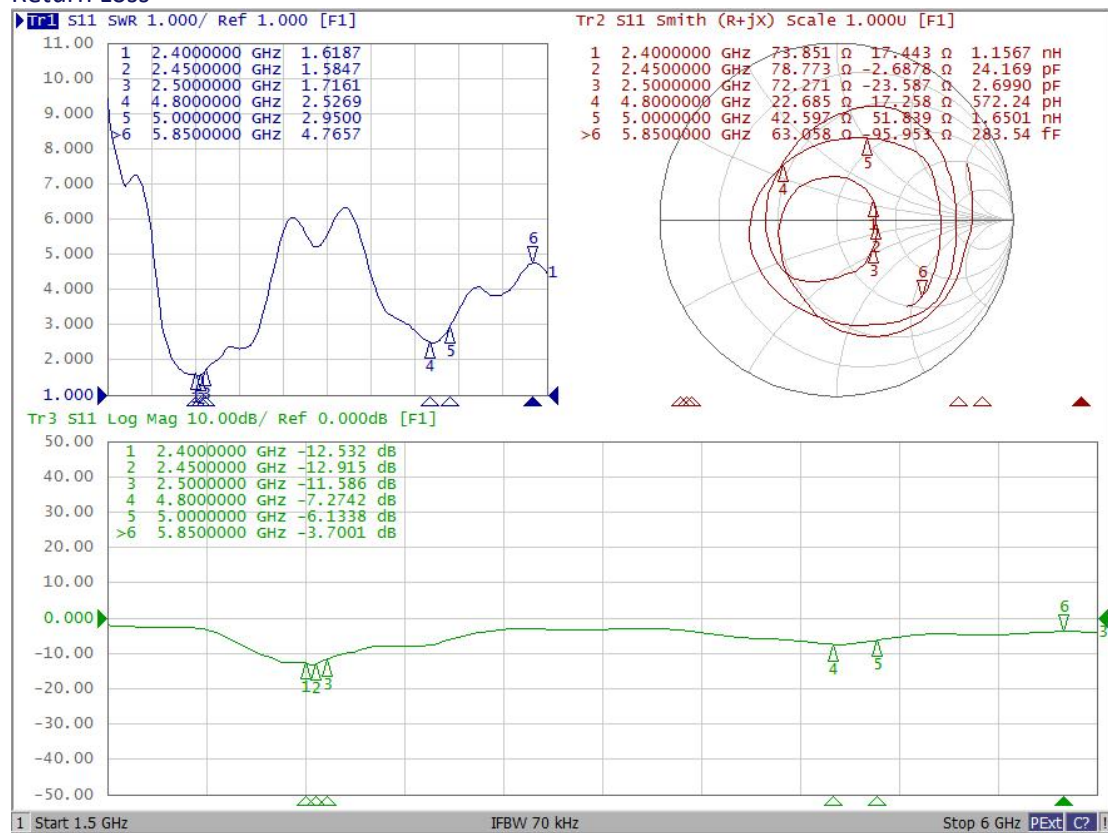
ELECTRICAL PERFORMANCE

● Note

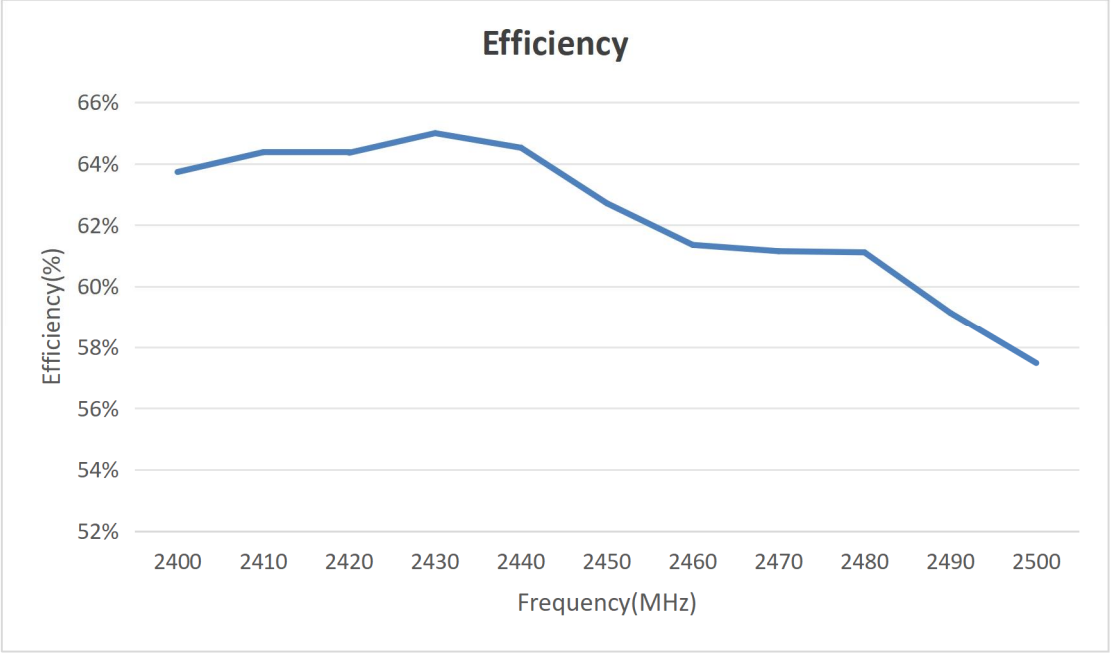
All electrical performance data were tested under the following conditions: the base was mounted on a 76×67 mm PCB and interfaced via USB cable.

ELECTRICAL DATA (Tested on a base mounted on a 76×67mm PCB and interfaced via USB cable)

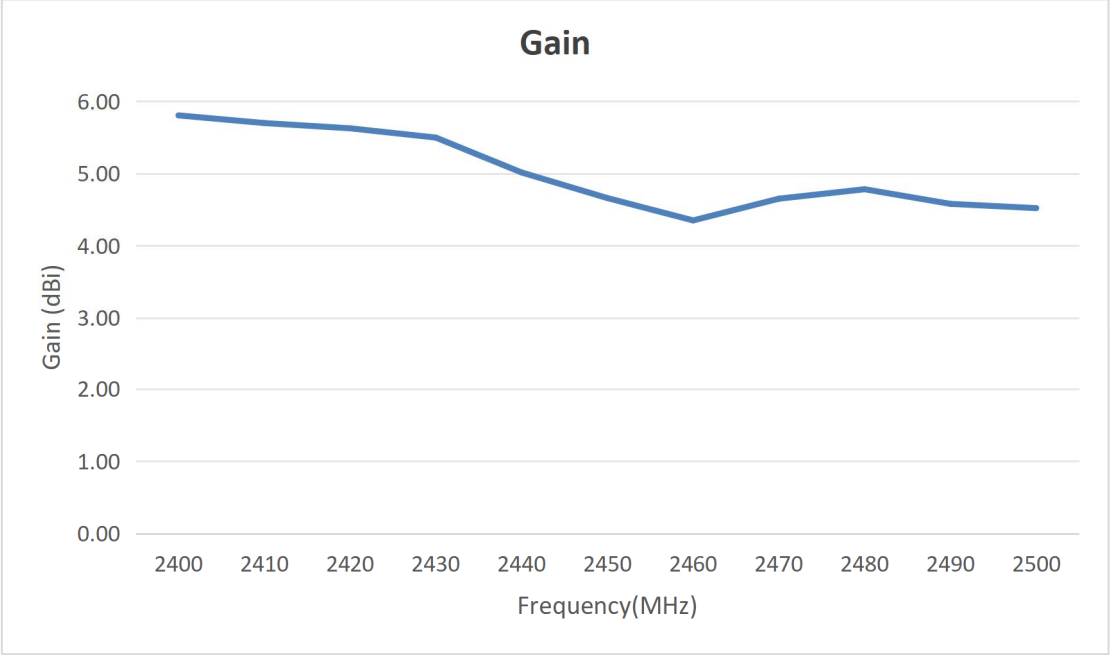
Return Loss



Efficiency (%)

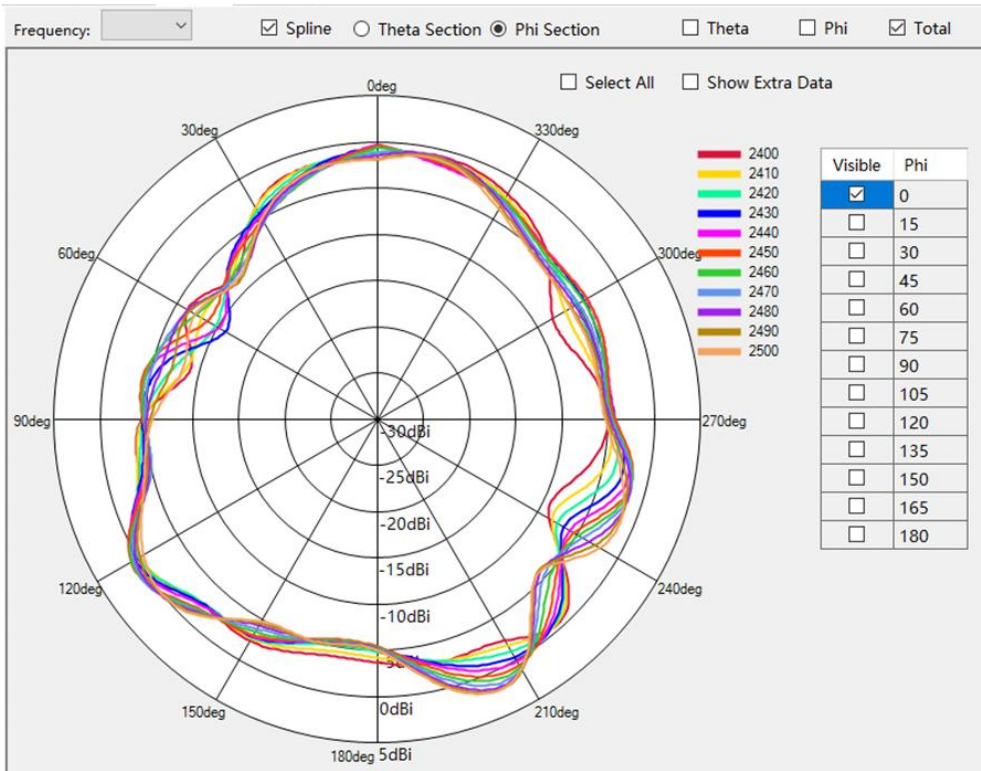
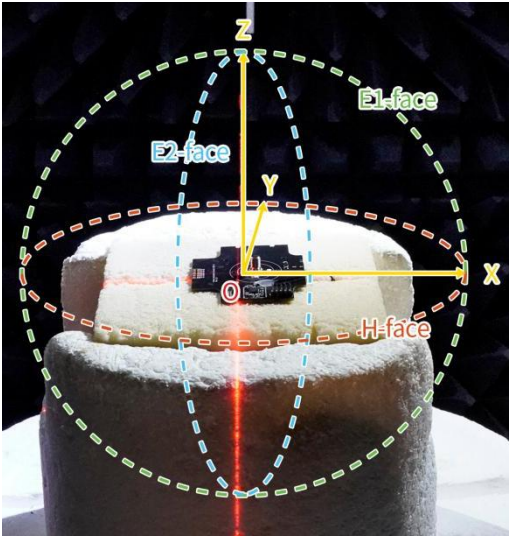


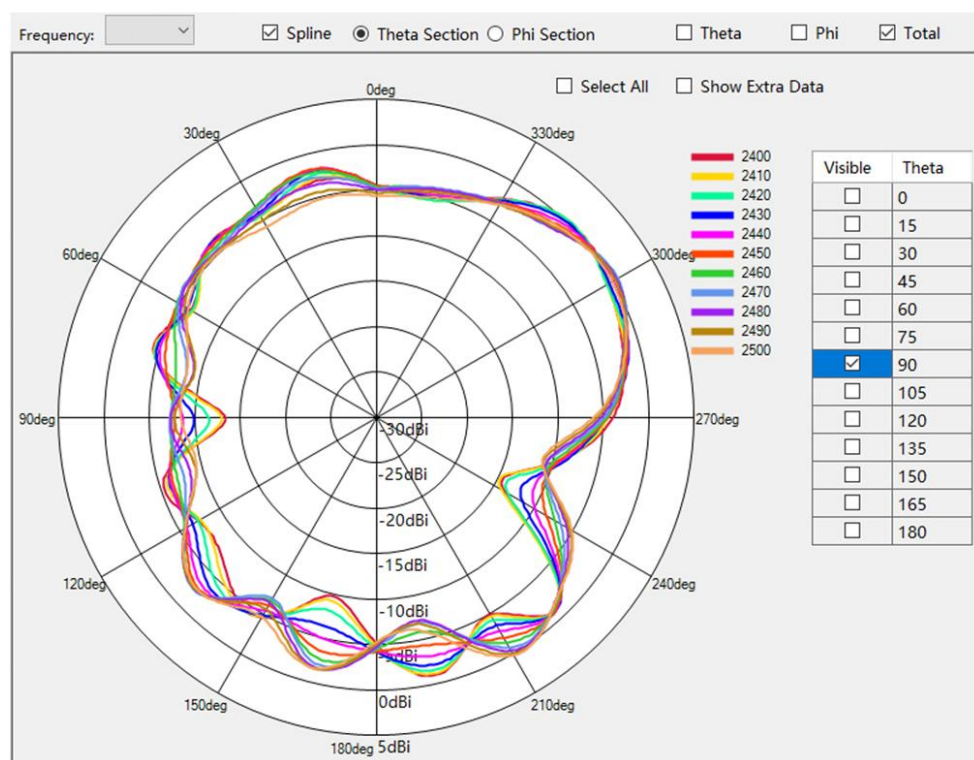
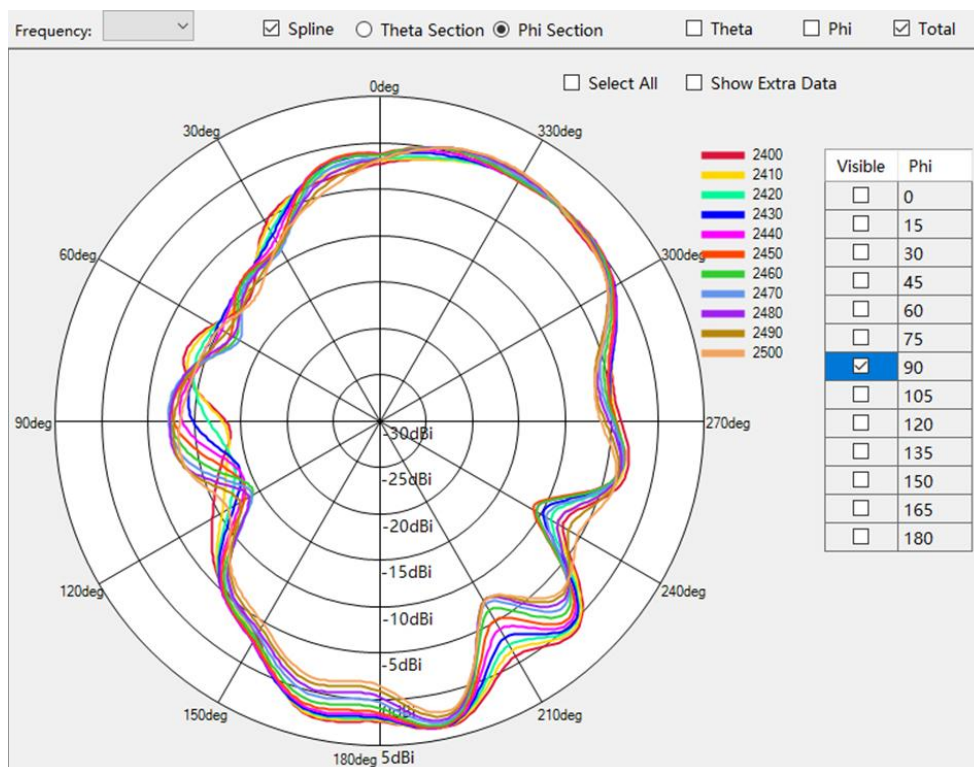
Peak Gain (dBi)

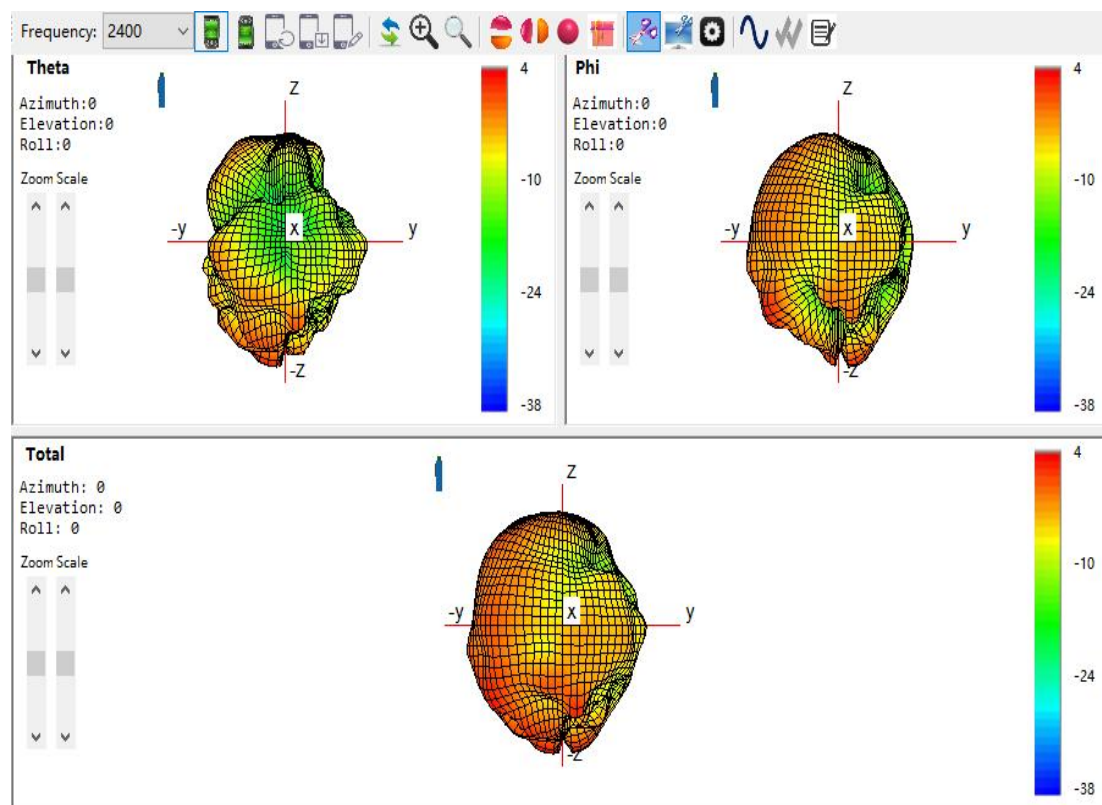
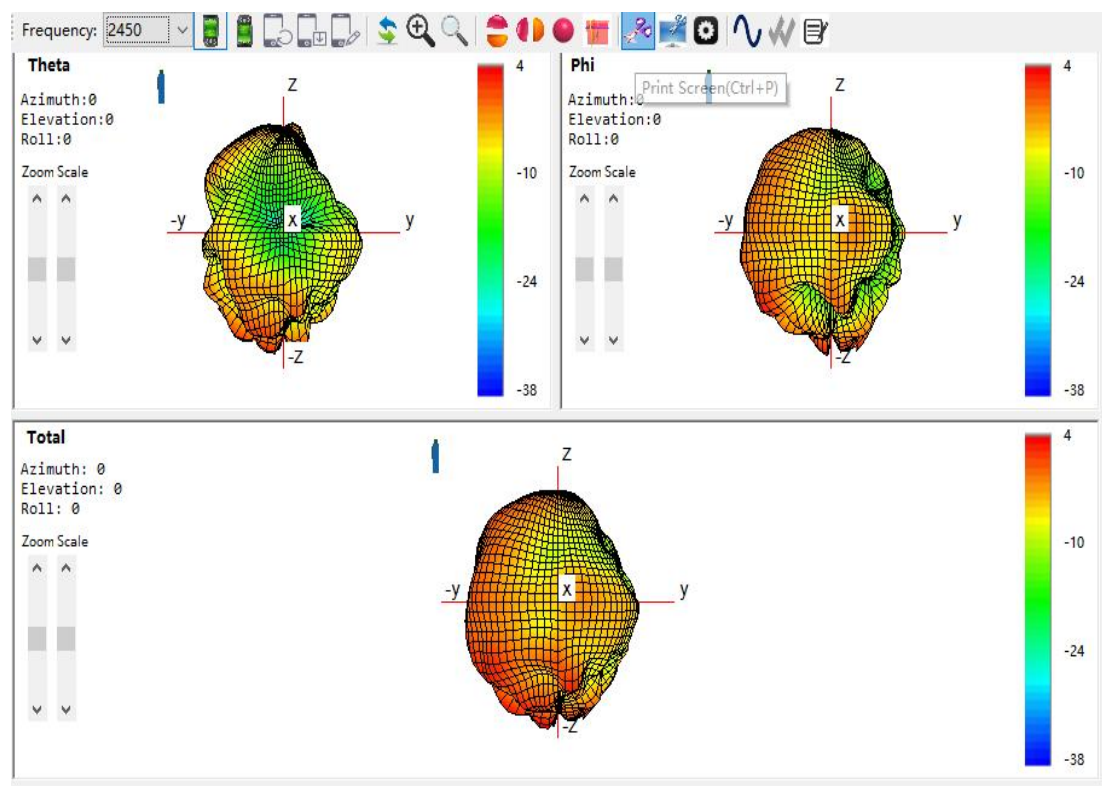


Frequency(MHz)	Gain (dBi)	Efficiency(%)	Frequency(MHz)	Gain (dBi)	Efficiency(%)
2400	5.81	64%	2460	4.35	61%
2410	5.70	64%	2470	4.65	61%
2420	5.63	64%	2480	4.78	61%
2430	5.50	65%	2490	4.58	59%
2440	5.01	65%	2500	4.52	57%
2450	4.66	63%			

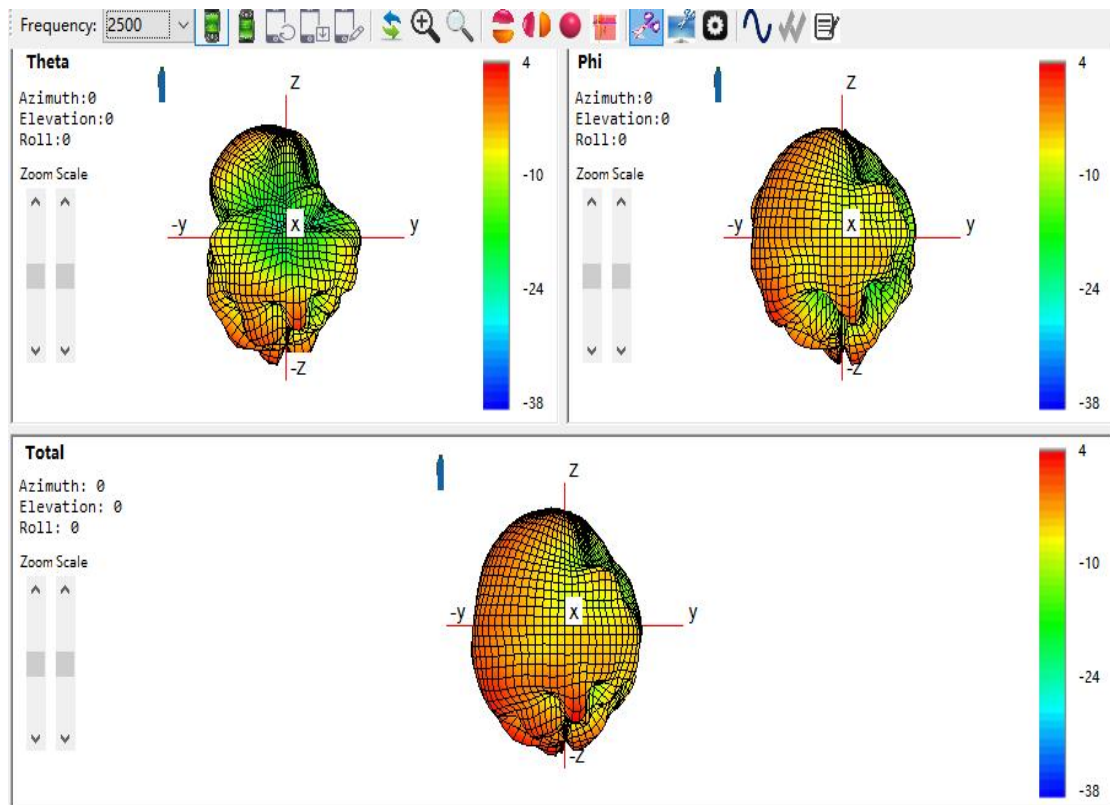
RADIATION PATTERNS(Tested on a base mounted on a 76×67mm PCB and interfaced via USB cable)



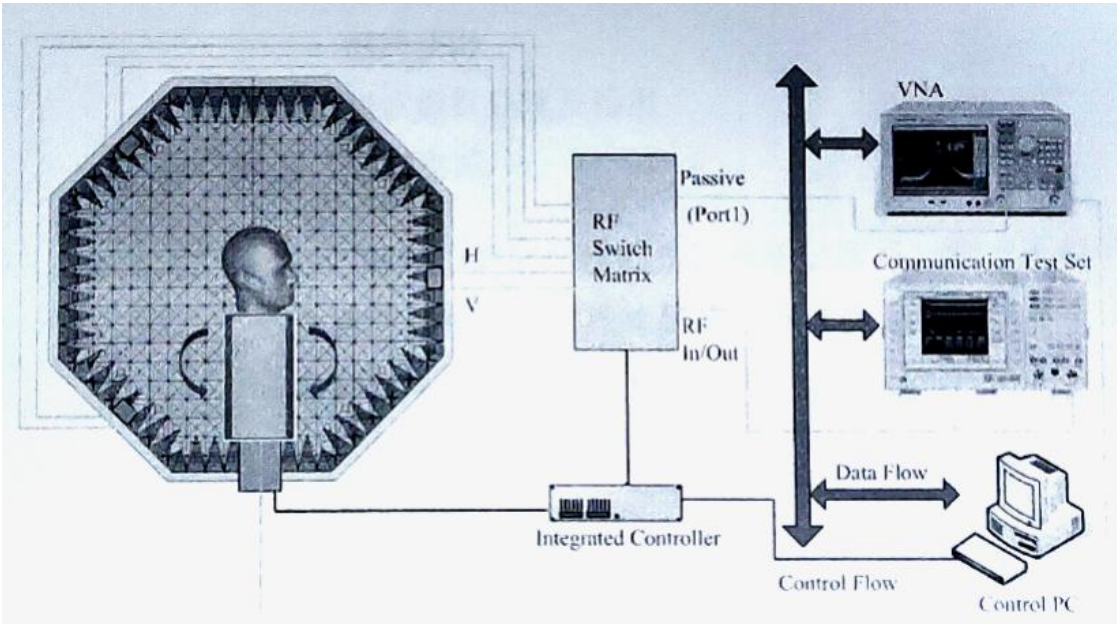


3D Radiation Pattern at 2400MHz Gain=5.81**3D Radiation Pattern at 2450MHz Gain=4.66**

3D Radiation Pattern at 2500MHz Gain=4.52



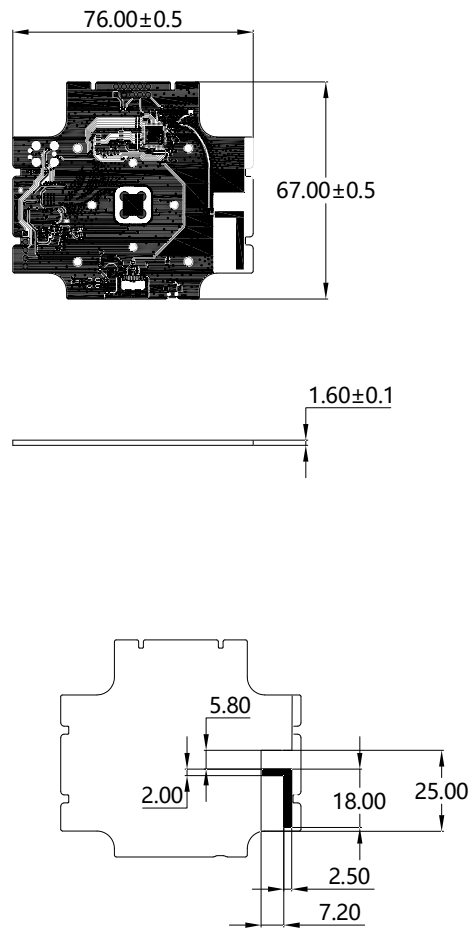
TESTING PROCEDURES



Equipment list

ID#	Device	Type/Model	Manufacturer
1	Anechoic Chamber	RayZone 2800	General Test Systems
2	Turn Table	GTS	General Test Systems
3	Measurement SW	MaxSign 100,V18.7.6	General Test Systems
4	Network analyzer	Agilent E5071C	Agilent
5	Cable 2m -30MHz to 18GHz	SFT205-SMSM(RA)-2M	Atem

Testing Ground: No.RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

HOUSING CONFIGURATIONS

Antenna Dimension Drawing

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