

Product specifications acknowledgment

Manufacturer : Shenzhen Binxin Tong Technology Co., Ltd.

Description : Mini round antenna

Product Type : 1.5 cm mini-sized small antenna

Shenzhen Binxin Tong Technology Co., Ltd.

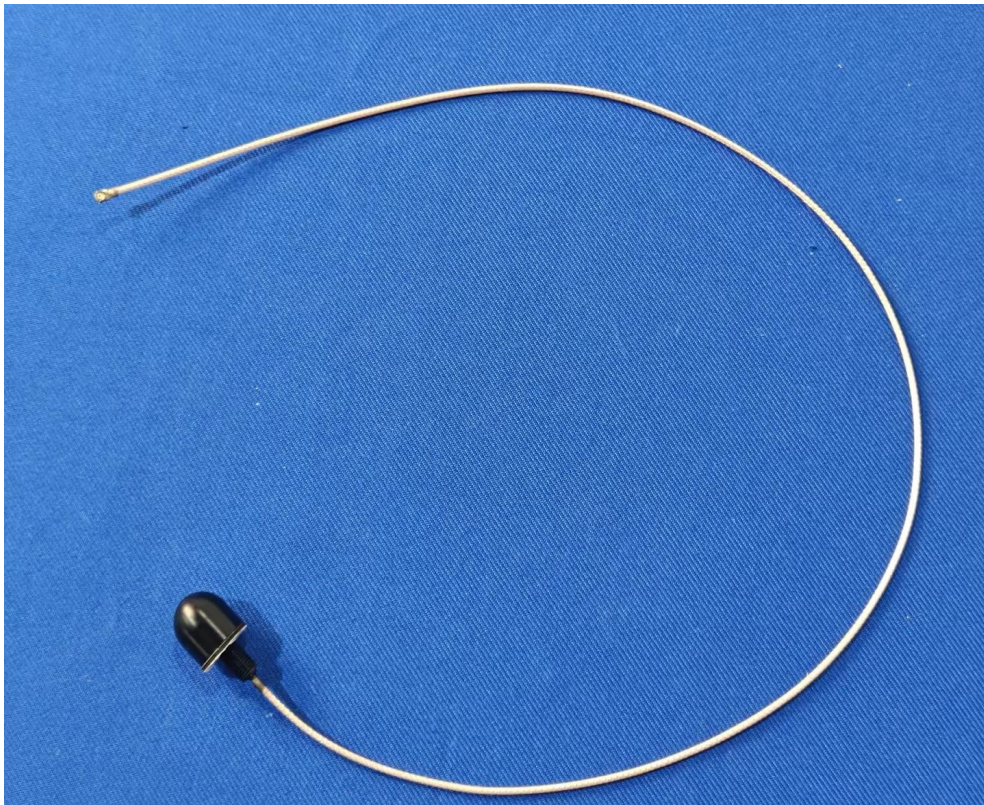
1.Manufacturer information

Company name: Shenzhen Binxin Tong Technology Co., Ltd.

Address: Building 2, Workshop 2, No. 49, Jin Kang Road, Jin Kang Community,
Keng Zi Street, Ping Shui District, Shenzhen City

2. Summary ofthe DUT

Antenna Picture



3. Electrical Specification:

Antenna types	Mini round antenna
Frequency	2400–2500 MHz
Impedance	50 Ω
VSWR	< 2.5
Peak Gain	2.4GHZ 1.59dBi
Efficiency	>35 %
Antenna Material	TPEE + RG178 Cable
Connector Type	IPEX 1 generation

Cable length	50cm
--------------	------

Shenzhen Binxin Tong Technology Co., Ltd.

4. Test Condition

4.1	TEST ITEM	TESTING INSTRUMENT	REMARKS
PASSIVE TEST	1. Radiation Pattern	1. Satimo SG24 (3D)	
	2. Antenna Gain	2. Agilent 8960 E5515C	
	3. Return Loss	3. R&S ZVL6	
	4. S. W. R		

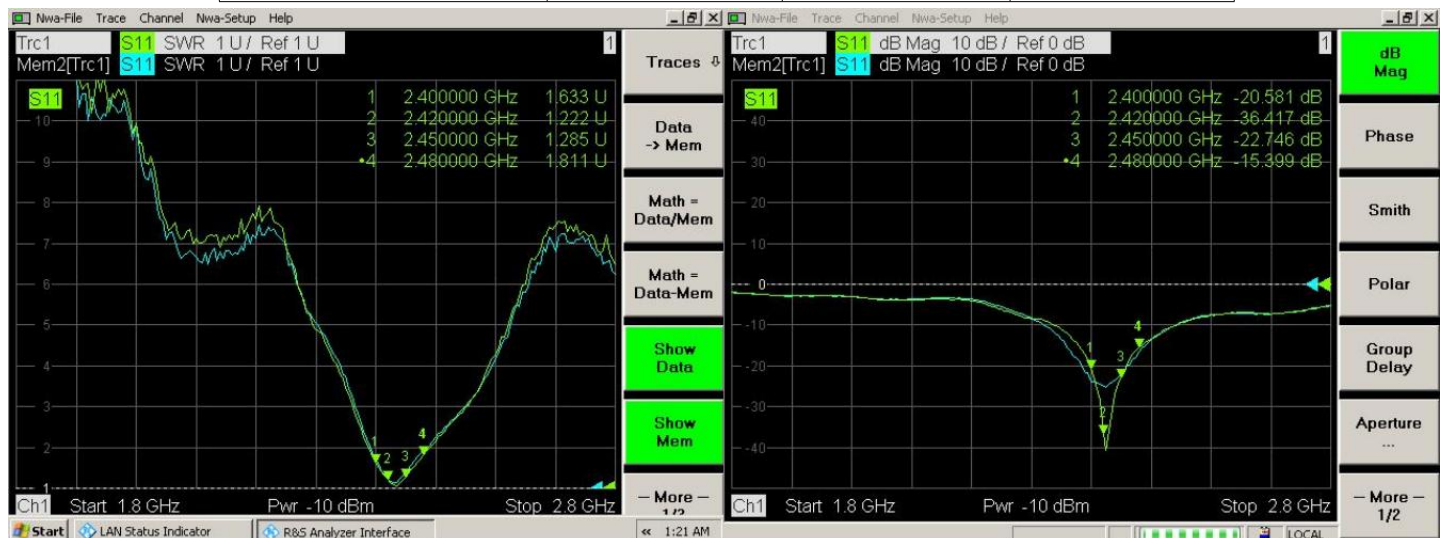
5. RF Performance

5.1 Passive parameters

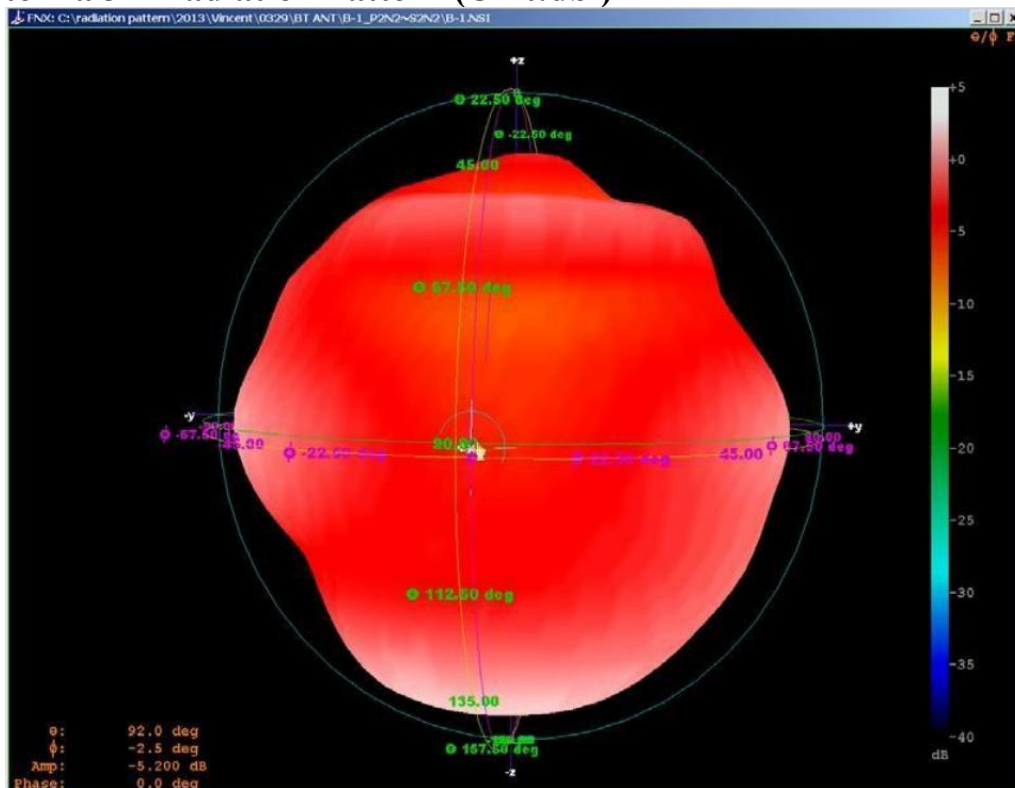
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	0.58	0.66	1.1	1.02	1.17	1.59	0.72	0.08	0.72	1.19	1.53

5.2 S Parameter

Frequency (MHz)	2400	2450	2480
Return Loss (dB)	-20.58	-22.74	-15.39
VSWR	1.63	1.28	1.81



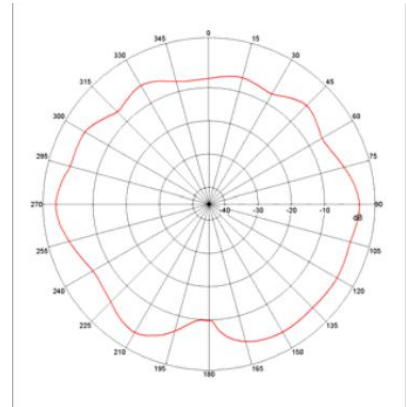
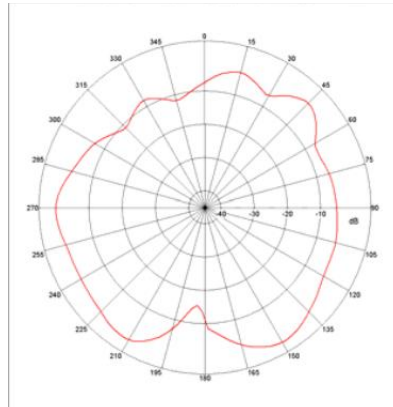
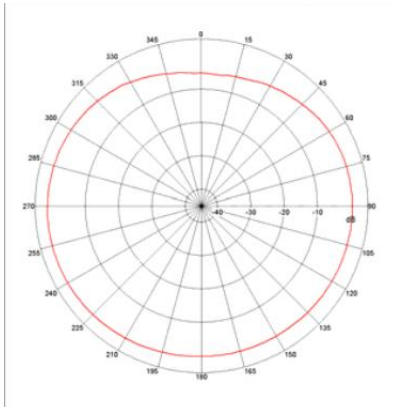
5.3 Antenna 3D Radiation Pattern (Unit:dbi)



XY-plane

XZ-plane

YZ-plane



6. ME Drawing for the antenna

