



ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Datasheet

Customer name : Xiao Xun

Project name : AW1007

Datasheet version : RA

Material specifications : FPC

Specifications	Material number
ANT312202-Three-in-one antenna-FPC	ANT312202IB50-01

ANT Counter-signature bar				
R&D	ME: Li zhi en	Audit: Xiong ming hua	approve:	Date:
	RF: Wu bo	Audit: Liu feng		

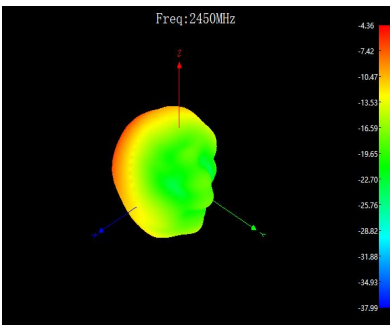
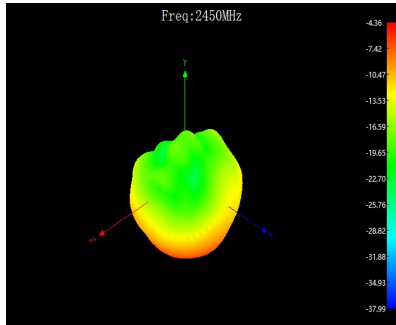
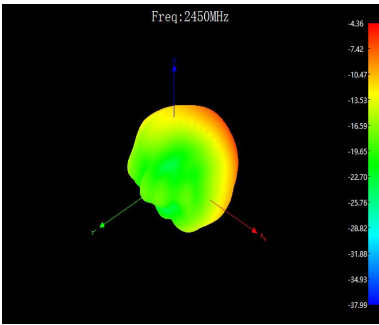
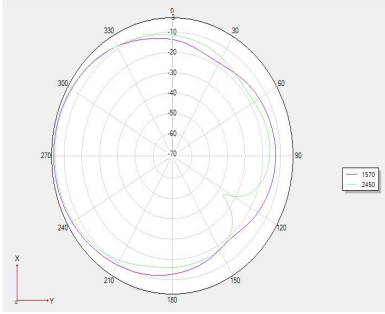
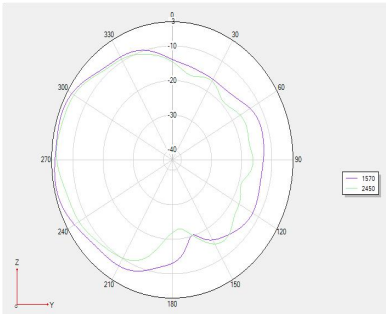
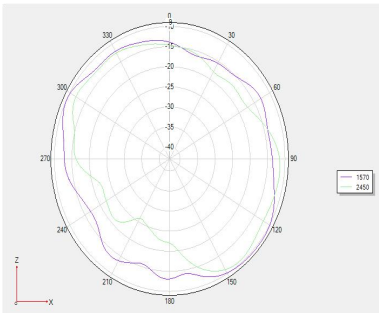
一、Antenna picture



二、Gian & Efficiency & Directional diagram (Wear arms)

BLE(2.4G)			
Freq/ MHz	Effi /db	Freq/%	Gain/dBi
2400	-12.14	6.11	-3.69
2410	-12.27	5.93	-3.47
2420	-12.33	5.85	-3.64
2430	-12.35	5.82	-3.54
2440	-12.23	5.98	-3.74
2450	-12.05	6.24	-3.36
2460	-11.89	6.47	-3.07
2470	-11.83	6.56	-3.84
2480	-12.05	6.24	-3.2
2490	-11.93	6.41	-3.6
2500	-12.1	6.17	-3.81

2D/3D Directional diagram

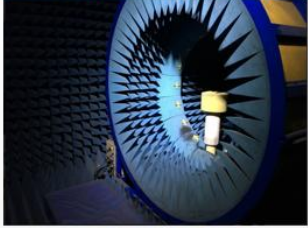


三、Antenna parameters

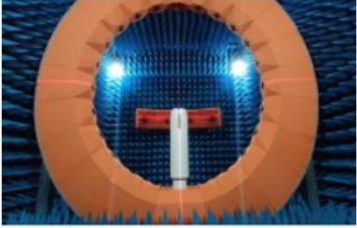
Technical parameters	
Frequency range	2400–2500MHZ
Enter The impedance	50 Ω
VSWR	≤2.5
Max gain	-3.07dBi
Antenna form	PIFA
Environment parameters	
Operating temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

四、Test Equipment

Test Environment and Equipment



SATIMO-16



XH-24-5G



CUM GO



CMU RUN



Agilent 8960



R&S CMW500



Anritsu MT8820C



Agilent 5071C



StarPoint SP9500

Test system	Testing environment	Active	Passive
SATIMO-16	Temperature 22℃±3℃ Humidity 50%±15%	2G/3G/4G/5G GPS/WIFI/BT	400M-8.5G
XH-24			

