

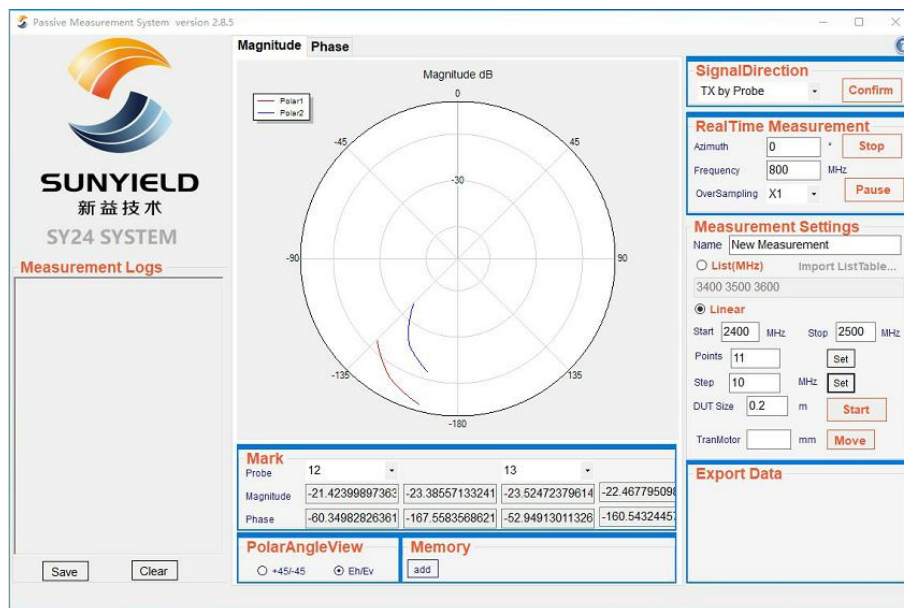
L300 BT antenna report

Specifications

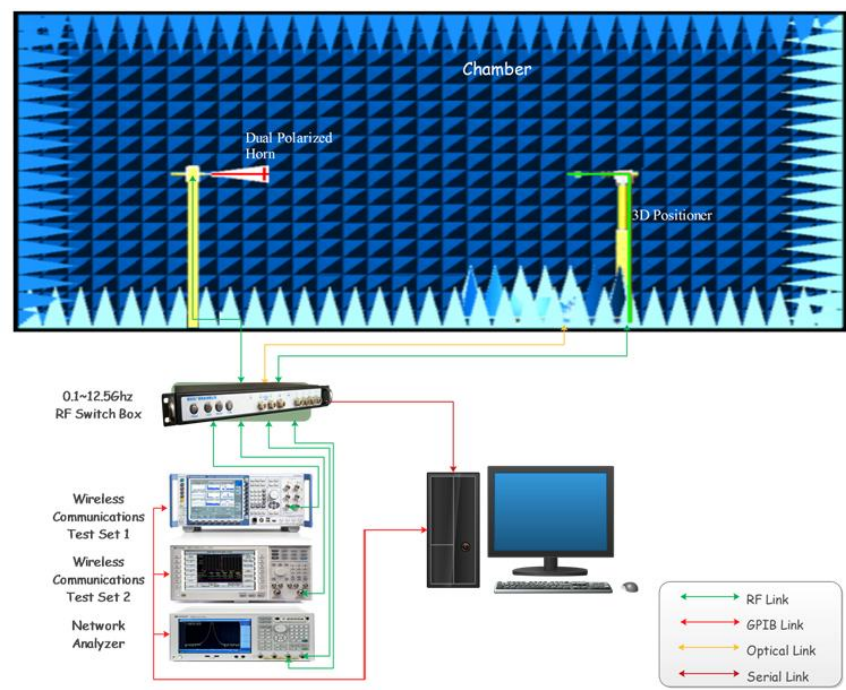
Summary

ITEM	SPEC
Model Nam	BT 2.4GHZ
Center Frequency	2402MHZ 0.23ddBi 2441MHZ 0.24dBi 2480MHZ 0.31dBi
MAX. GAIN	0.31dBi
Polarization	linearpolarization
Azimuth Beam Pattern	Omni-directional
Impedance	50Ω
Antenna Length	3.46cm
Test lab name	SUNYIELD
test engineer	Xiaohui

Test setup photo

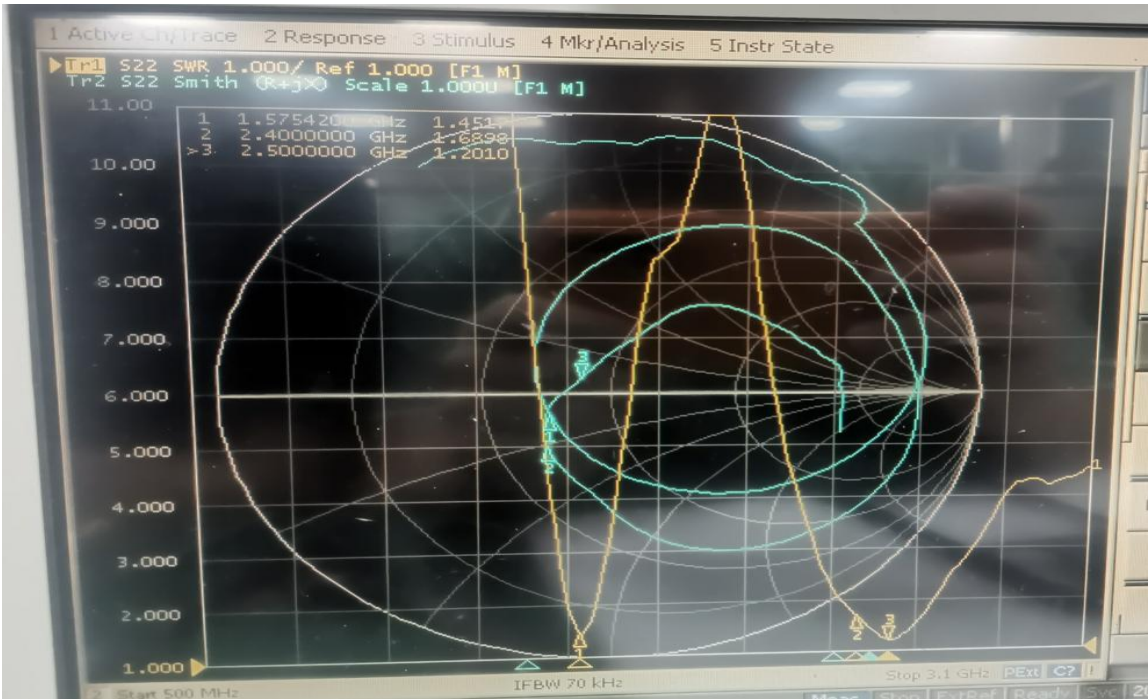


Facility description Measurement procedure



Passive performance figure

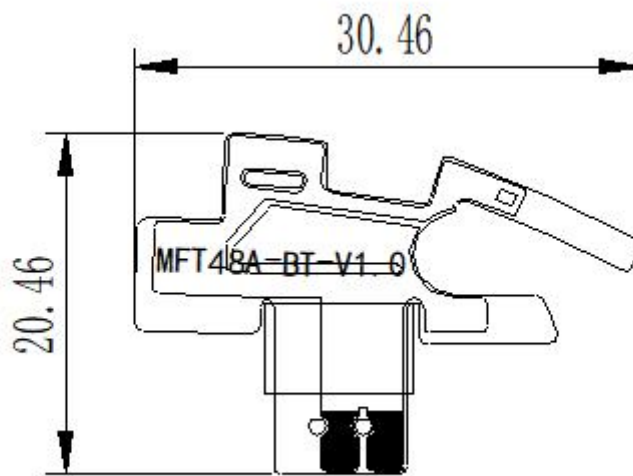
Frequency(MHZ)	2400	2500
VSWR	1.6	1.2



Methods of detection:

Make a test fixture on the BT matching circuit of the mobile phone motherboard, and connect it to the port 1 of the network analyzer in the 3D chamber, and the port 2 of the network analyzer is connected to the horn antenna. Open the test software, measure S21 parameters of various angles, and summarize to get a 3D diagram.

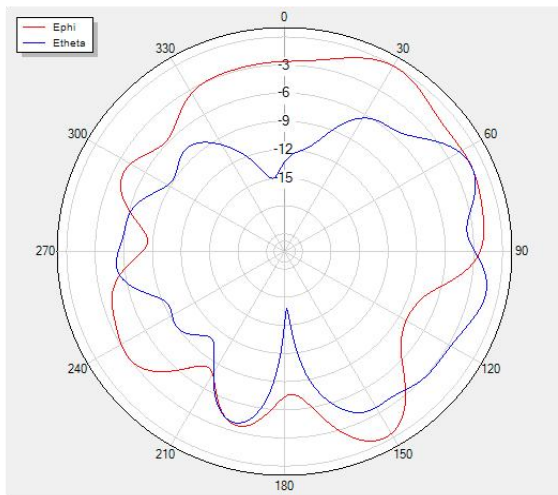
Antenna Photo & Length (mm)



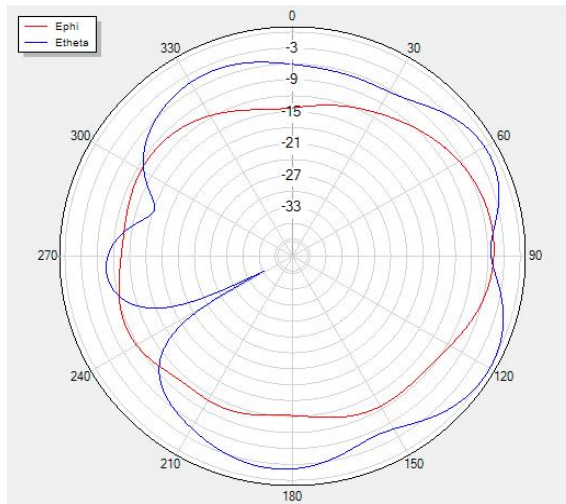
Test Lab	Shenzhen3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49-1,Dabao Road,Baoan District,Shenzhen
Test Date	July 1st.2022
TestInstrument	vector network analyzer -Agilent Technologies E5071B

1. Main antenna : 2402 MHz

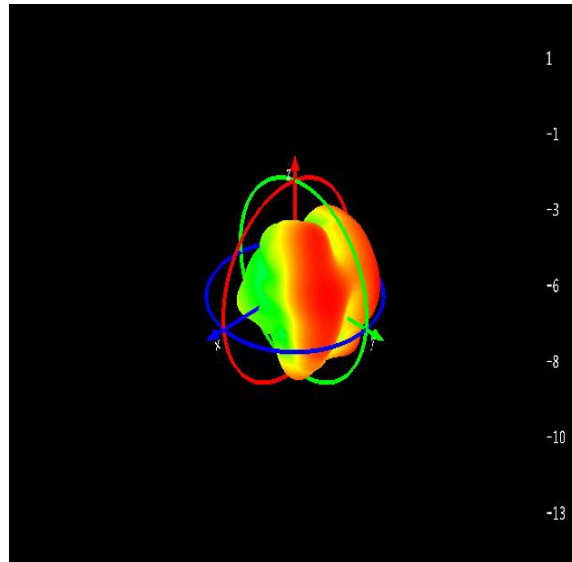
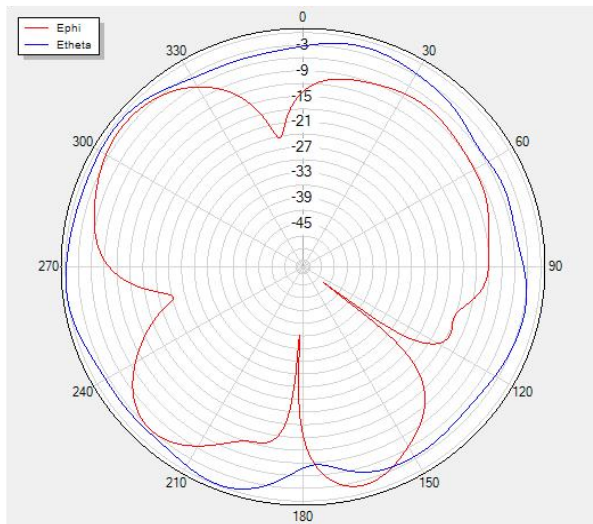
Phi=90 freq=2402MHz



Theta=90 freq=2402MHz

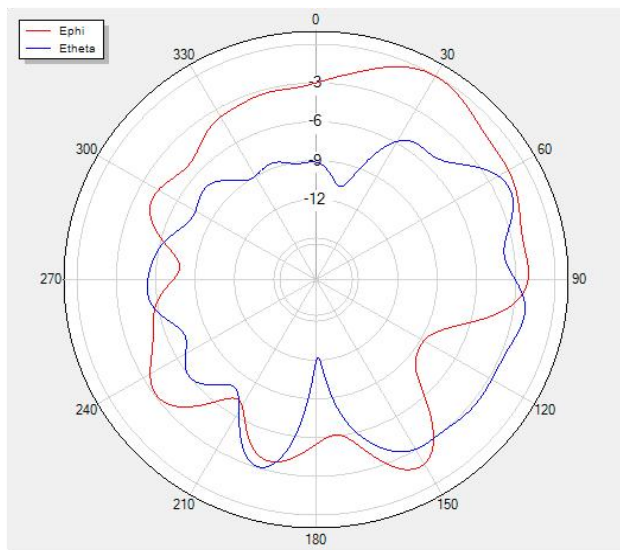


Phi=0 freq=2402MHz

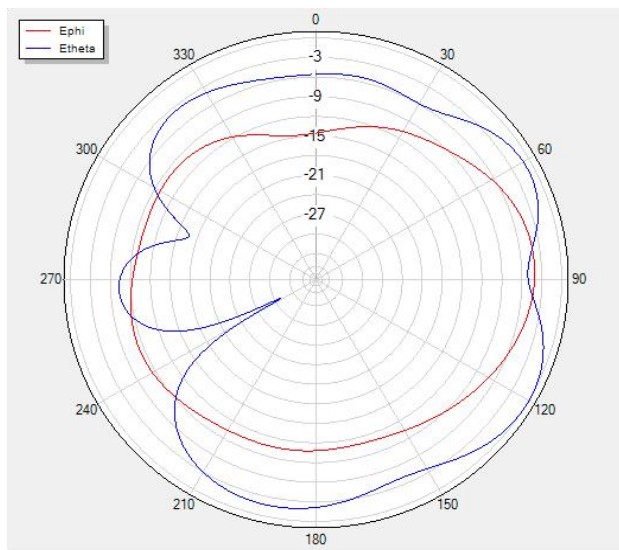


2. Main antenna : 2441 MHz

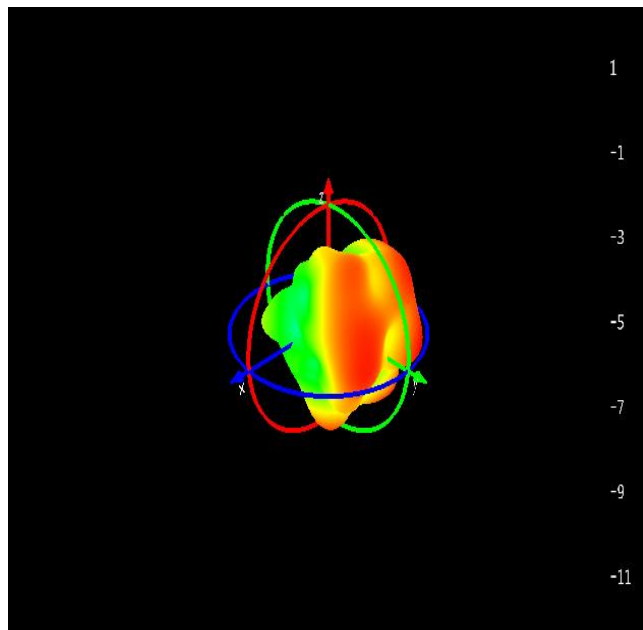
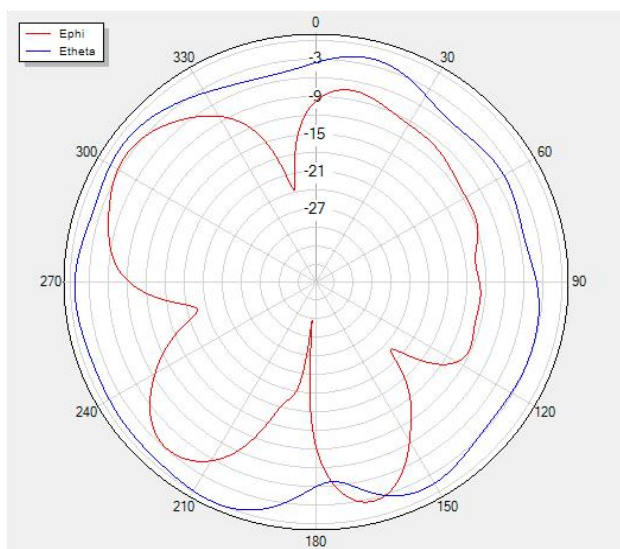
Phi=90 freq=2441MHz



Theta=90 freq=2441MHz



Phi=0 freq=2441MHz



3. Main antenna : 2480 MHz

Phi=90 freq=2480MHz

