

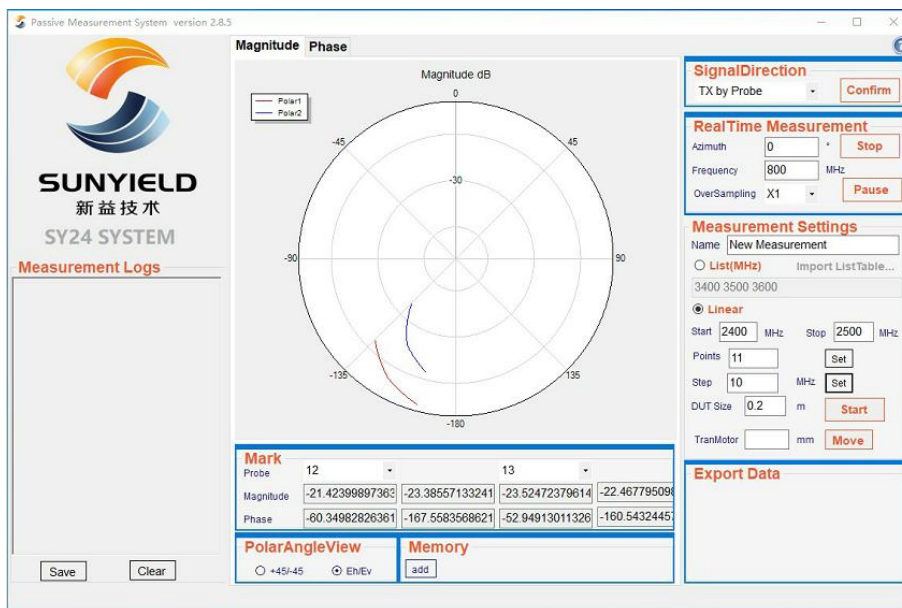
# L300 BT antenna report

## Specifications

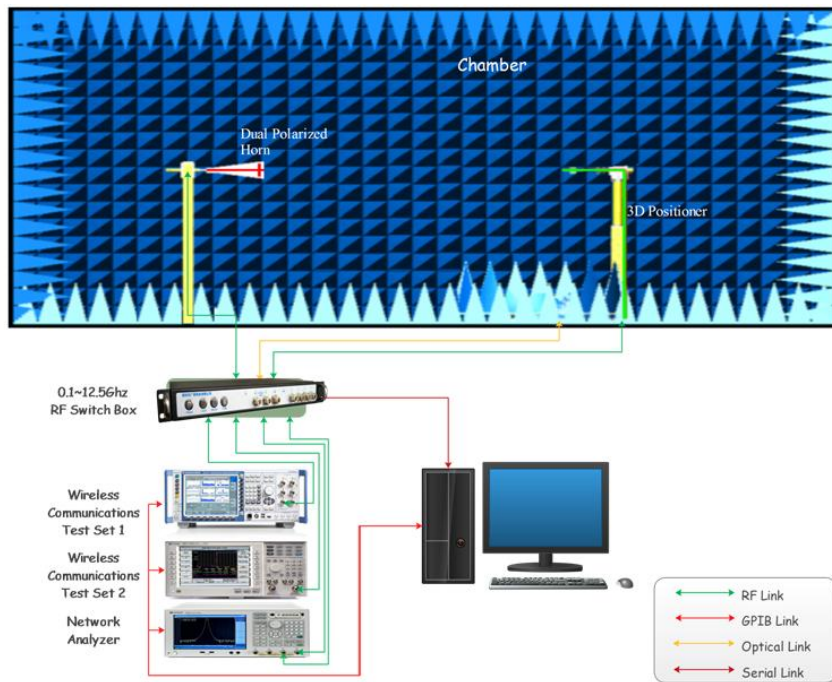
### Summary

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

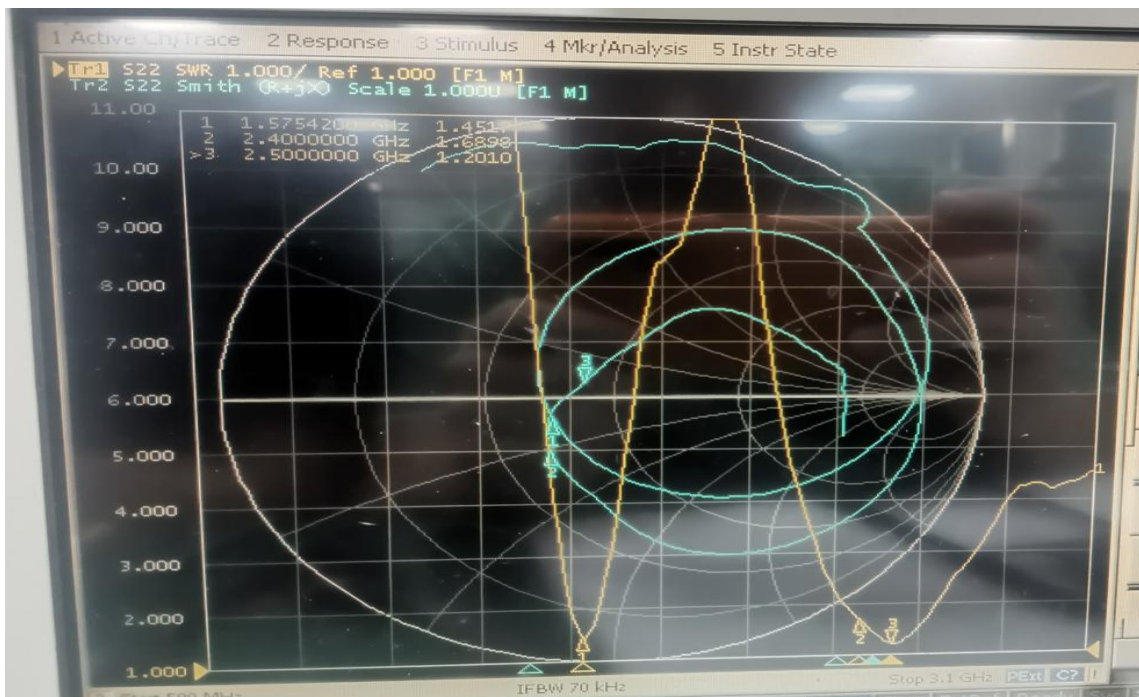


## Facility description Measurement procedure



## Passive performance figure

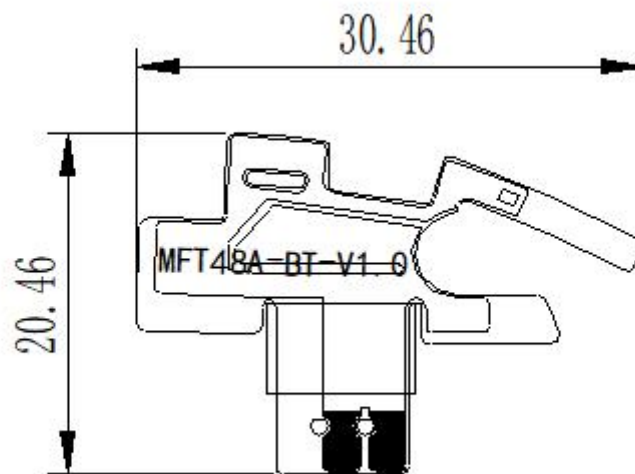
Frequency(MHZ)	2400	2500
VSWR	1.6	1.2



## 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.

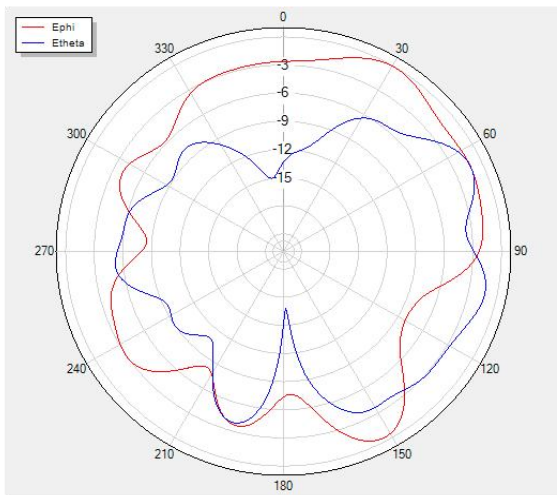
Antenna Photo & Length (mm)



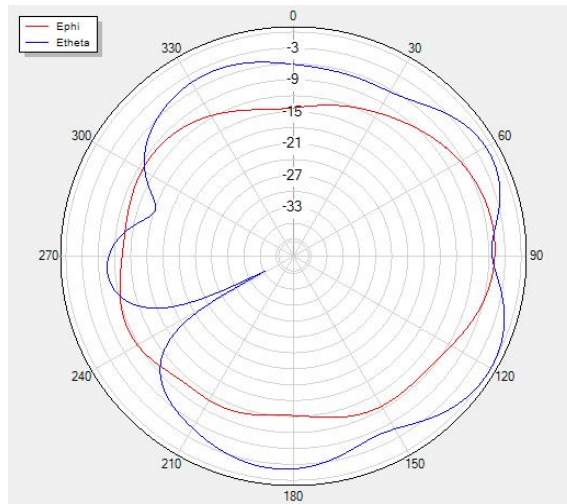
Test Lab	Shenzhen3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49-1,Dabao Road,Baoan District,Shenzhen
Test Date	July 1st.2022
TestInstrument	vector network analyzer -Agilent Technologies E5071B

1. Main antenna : 2402 MHz

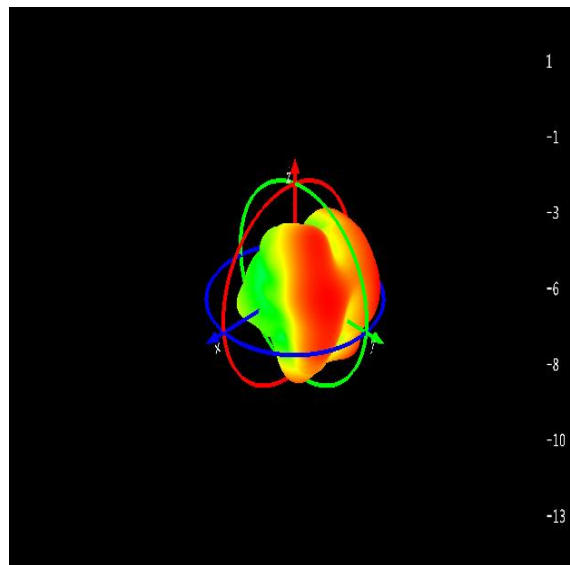
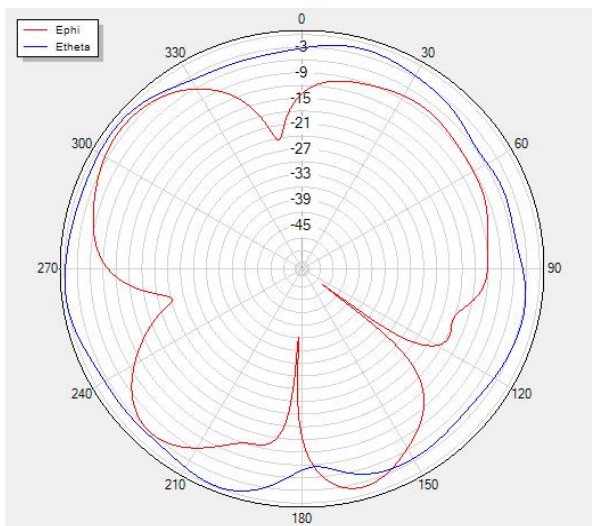
**Phi=90 freq=2402MHz**



**Theta=90 freq=2402MHz**

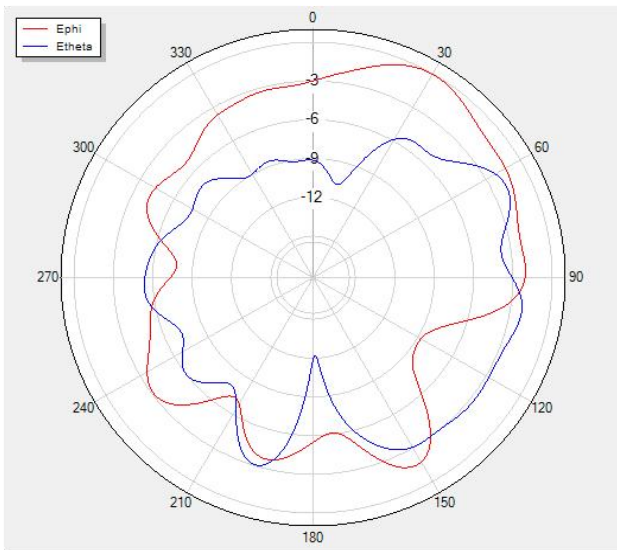


**Phi=0 freq=2402MHz**

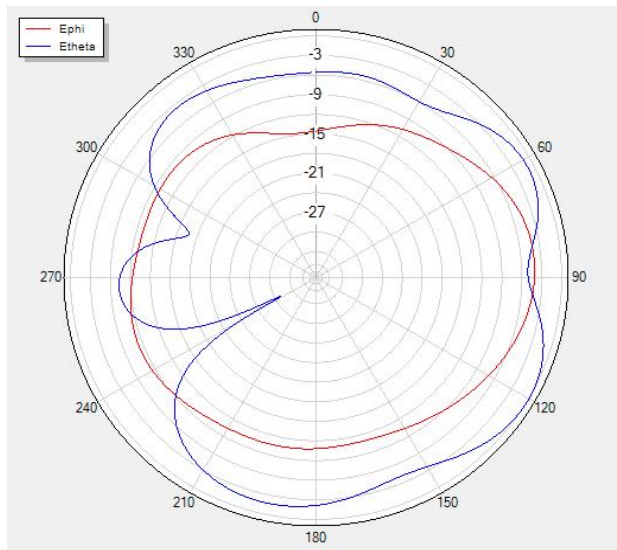


2. Main antenna : 2441 MHz

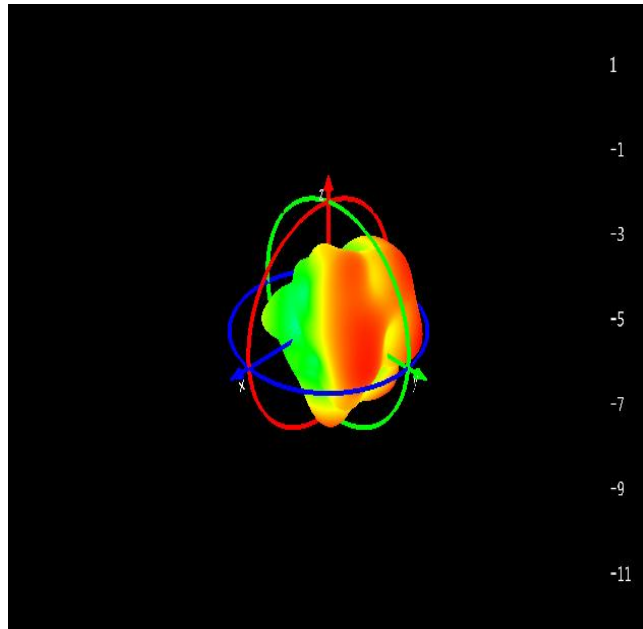
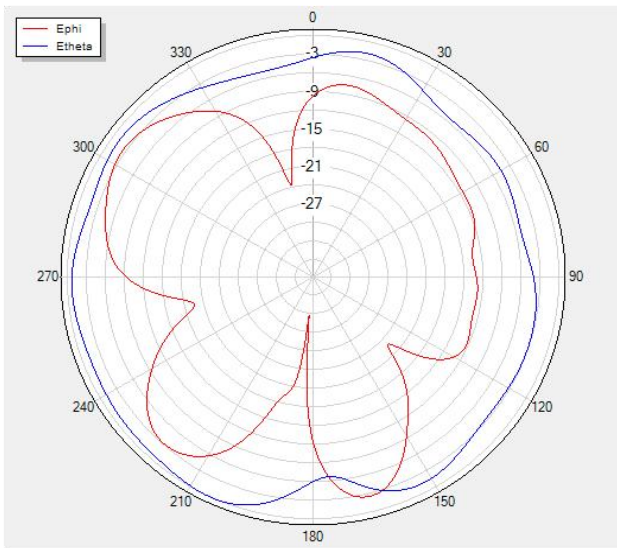
**Phi=90 freq=2441MHz**



**Theta=90 freq=2441MHz**

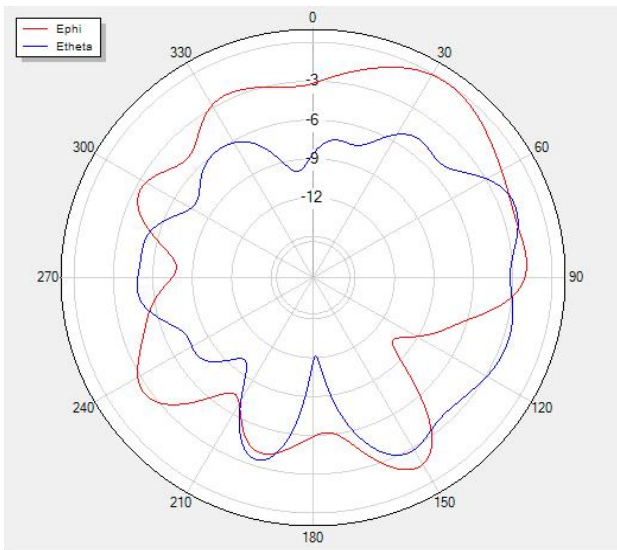


**Phi=0 freq=2441MHz**

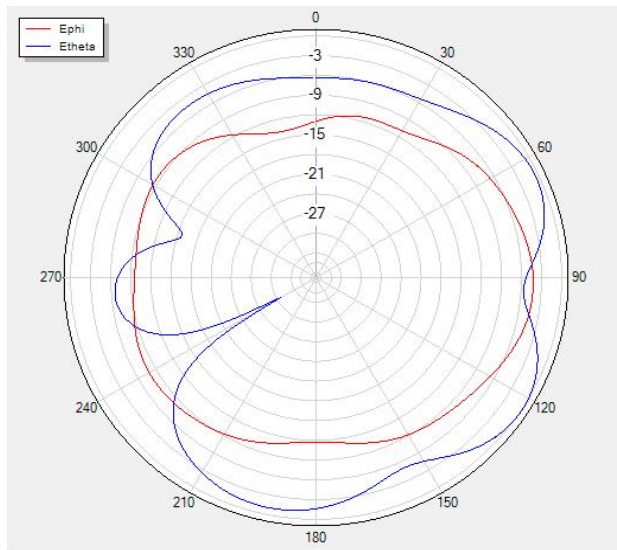


3. Main antenna : 2480 MHz

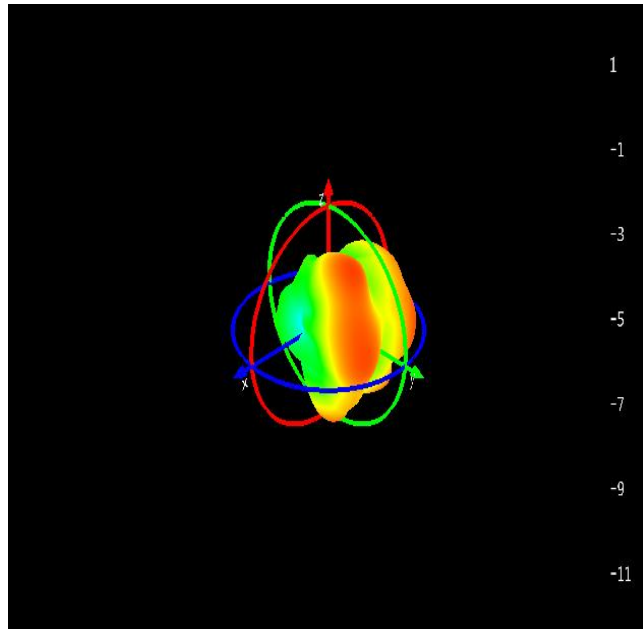
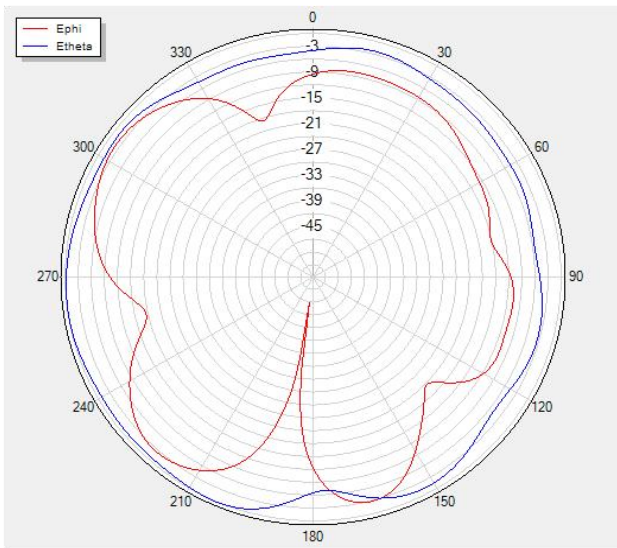
**Phi=90 freq=2480MHz**



**Theta=90 freq=2480MHz**



**Phi=0 freq=2480MHz**



test engineer: *Xico hls*