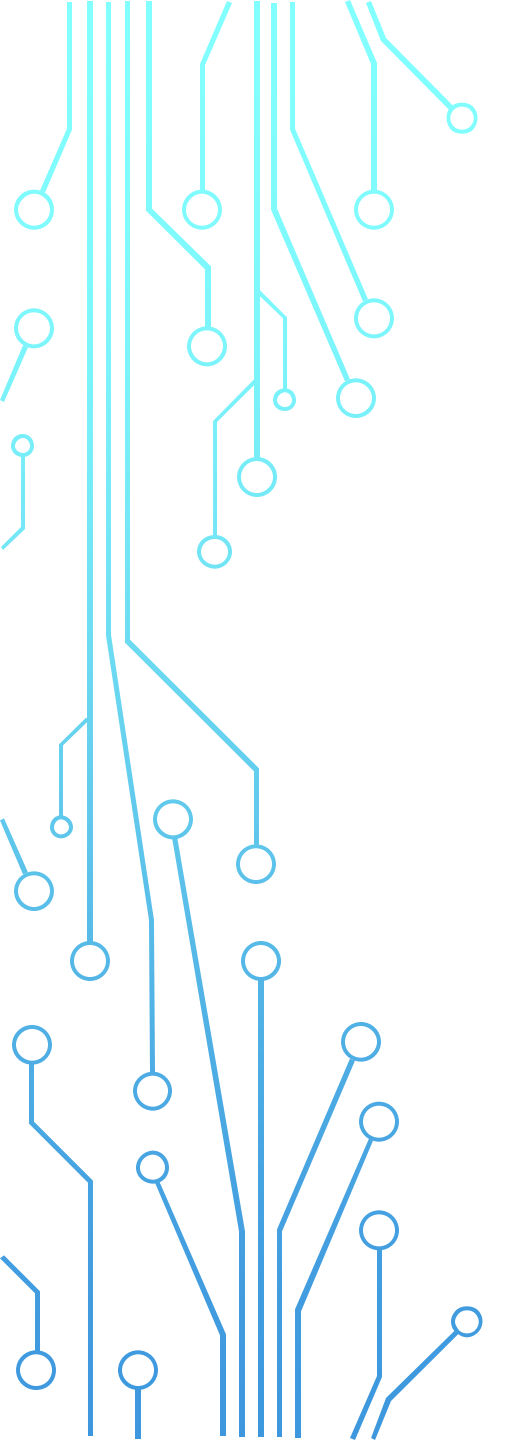
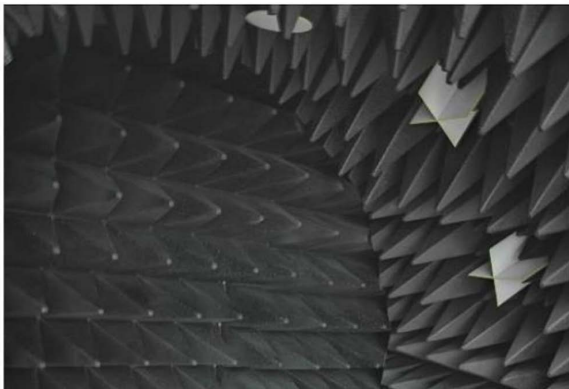
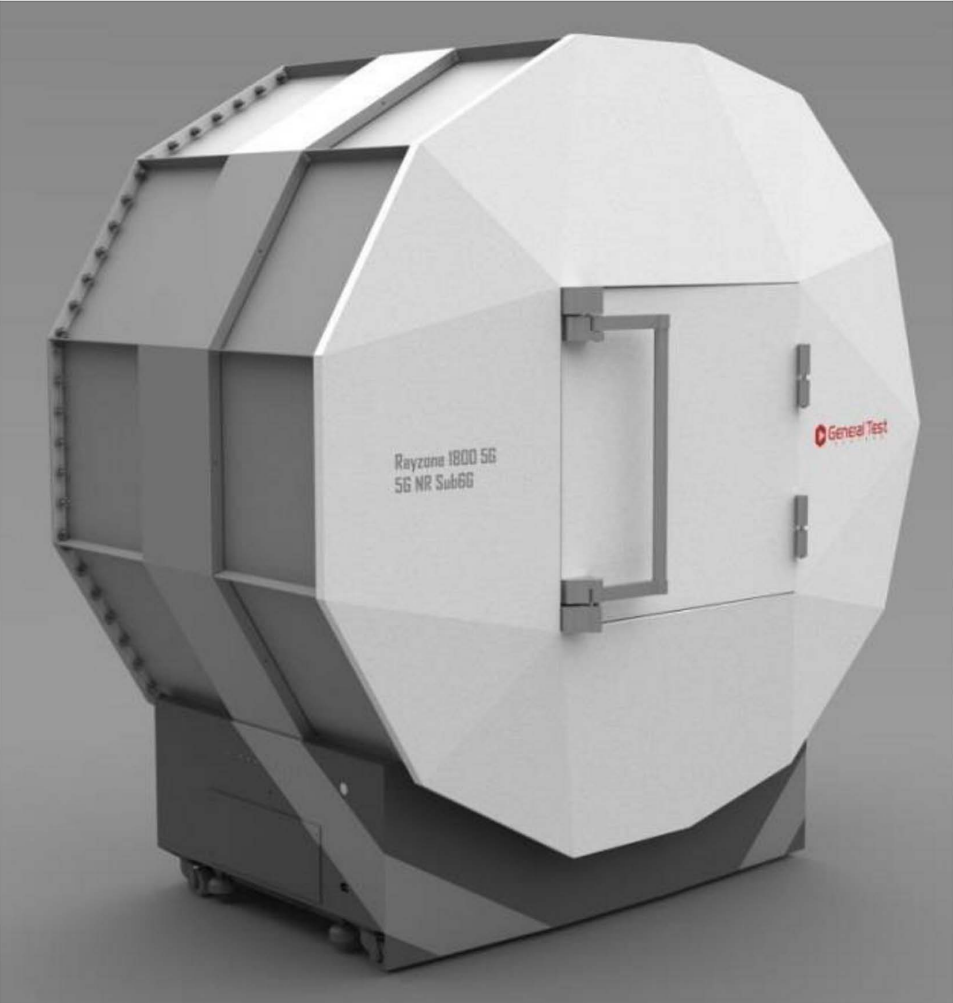


A decorative graphic on the left side of the page, consisting of a network of light blue lines and small circles, resembling a circuit board or a stylized tree structure.

DCT56 test report

Test date: 12/03/2025

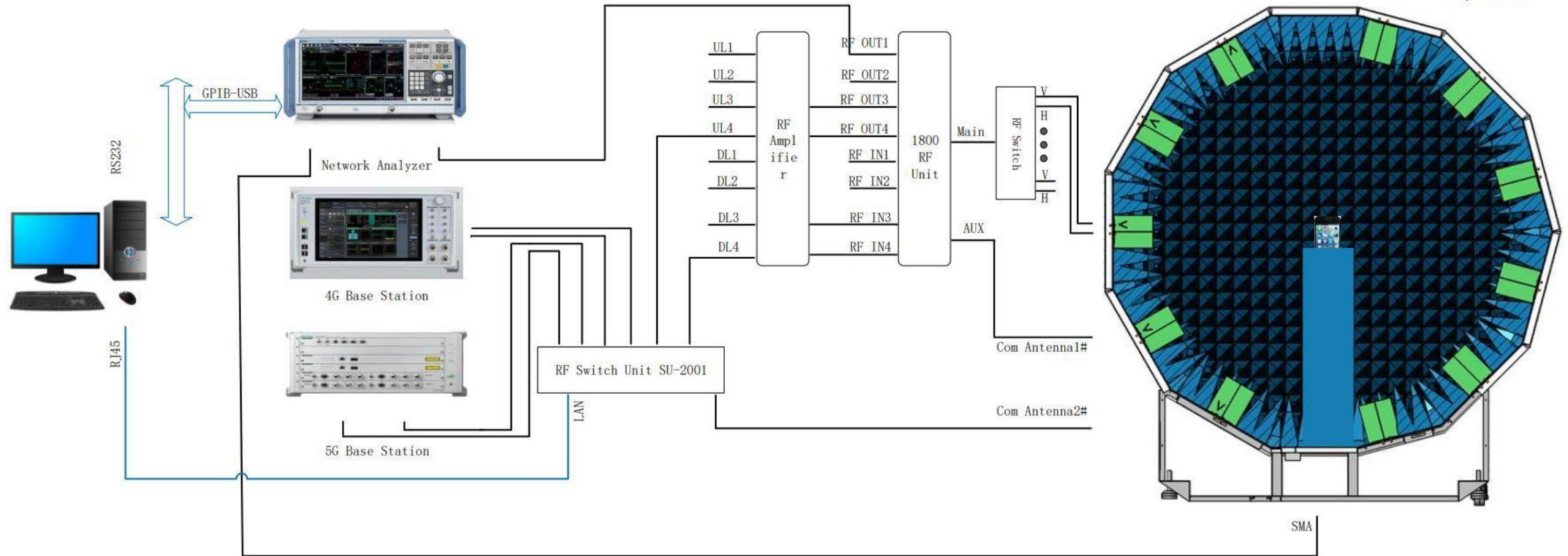
Test by: Mark Wang



Name	Parameter	Method	Standard no.
Mobile communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna gain		
	Radiation pattern		
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

RayZone1800 Test Setup

Anechoic Chamber
GTS RayZone1800



Test Equipment List

Euipment	Manufacturer	Model	Serial number	Last Cal.	Due date
Network Analyzer	Keysight	E5071C	MY47002902	9/3/2025	9/2/2026
CMW500	GTS	1800		6/8/2025	6/7/2026

test program

Template Details.

Parameters (Agilent_5071C/Passive/)

Test Setup

Trace Name: S21

IF Bandwidth: 0.3 KHz

Factor Average: 0

Power: 5 dB

Test Mode: Log

Skip Calibration: True

DUT Type: Linear

Radiation Test: False

S11 Calibration File: State01

Angular Coordinator Setup

Phi

Step: 15

Theta(Ant No.)

Start: 0

End: 180

Step: 15

Display Setup

Display Frequency Mode: Auto

Display Frequency: MHz

Frequency List

Test Method: Linear Import Clear

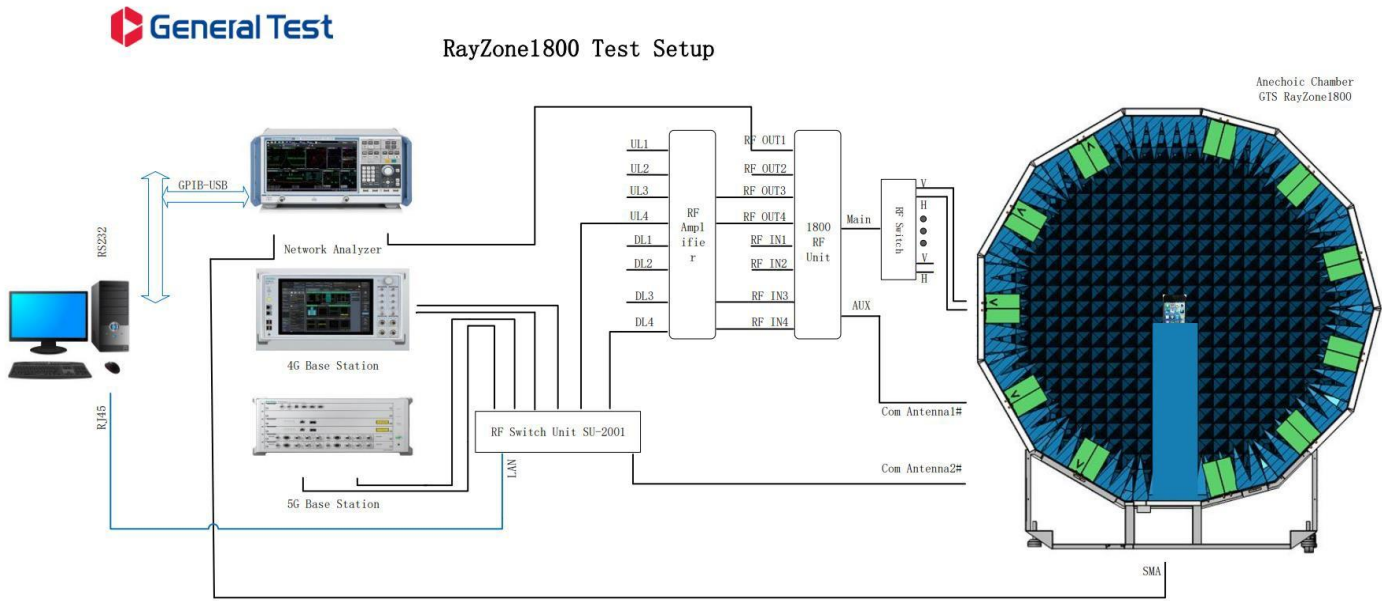
	Start(MHz)	End(MHz)	Step(MHz)
1	2300	2600	10
2			

Added Pathloss Correction

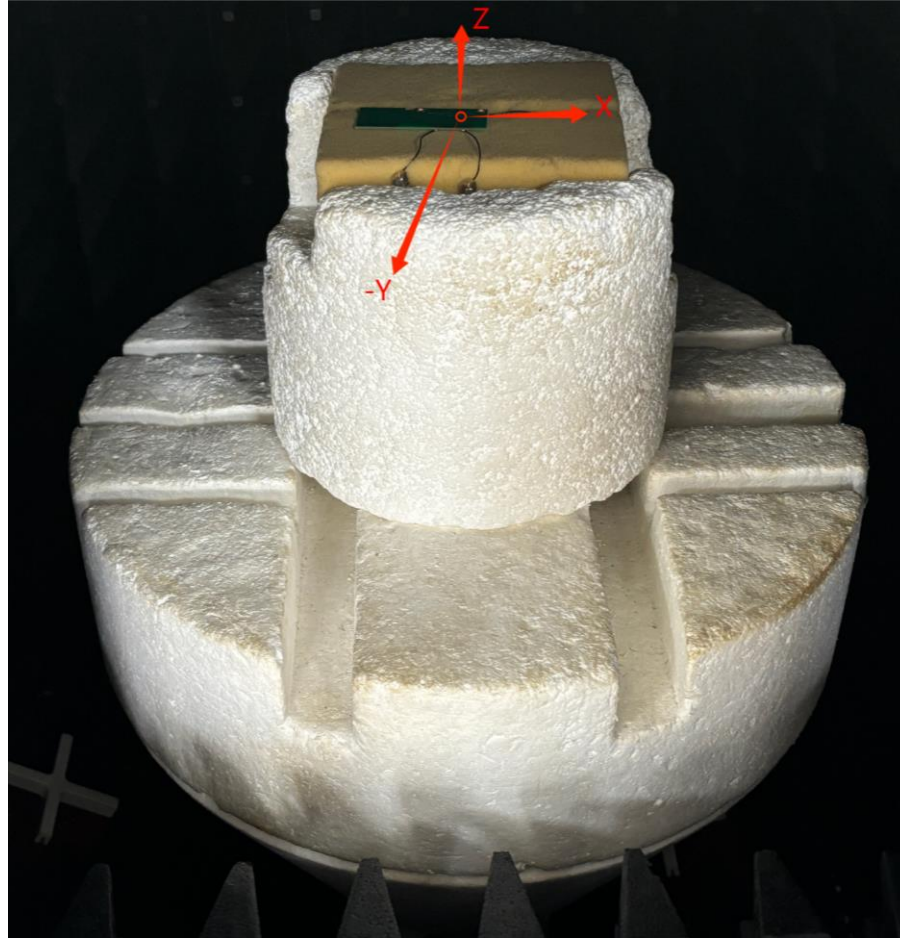
Correction Method: Constant

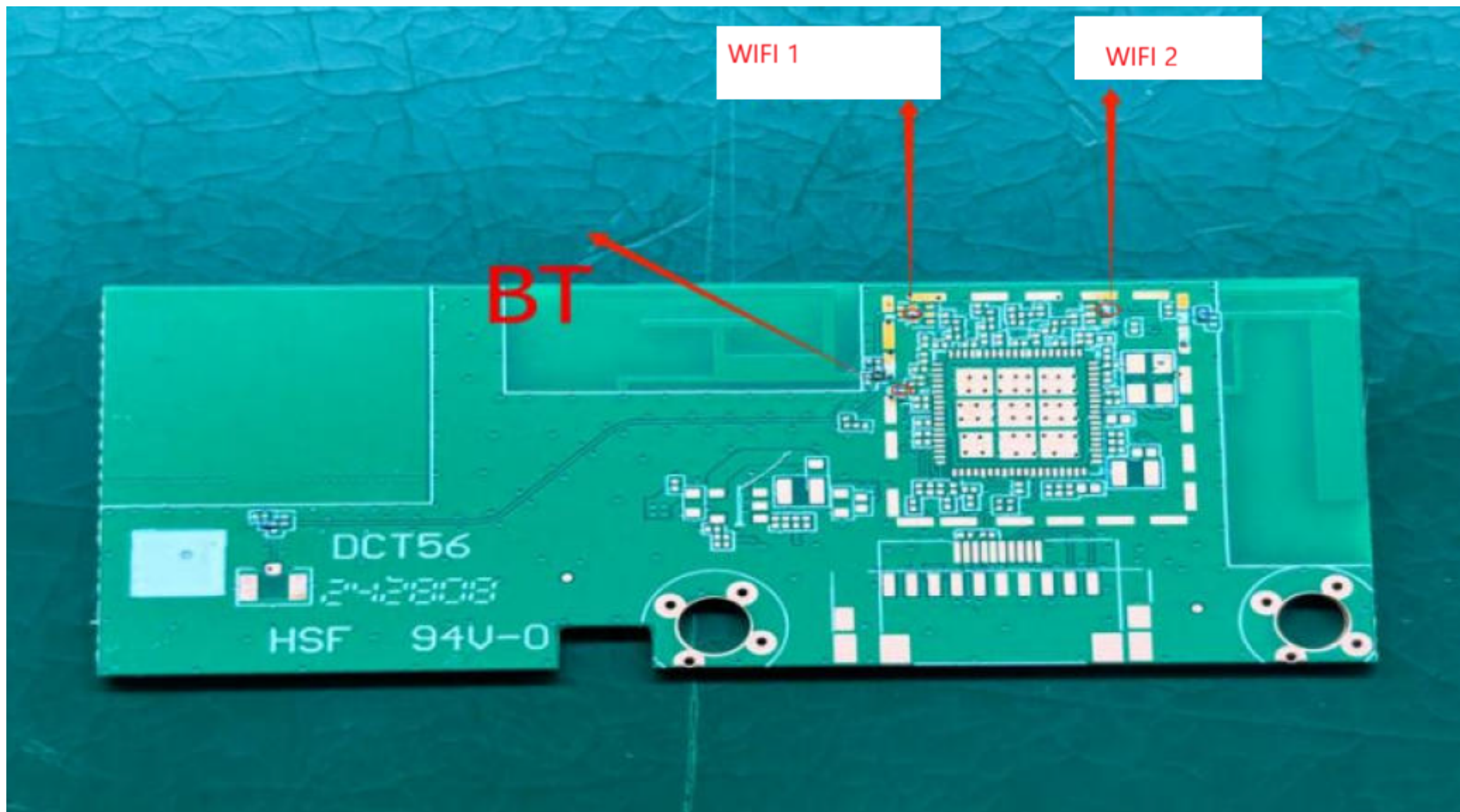
Pathloss (dBm): 0

Save



Setup photo





WIFI 1

WIFI 2

BT

DCT56

242808

HSF 94V-0

ANT Gain

BT Gain:

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna (dBi)
BT	2402-2480	PCB Antenna	0.2

WIFI Gain:

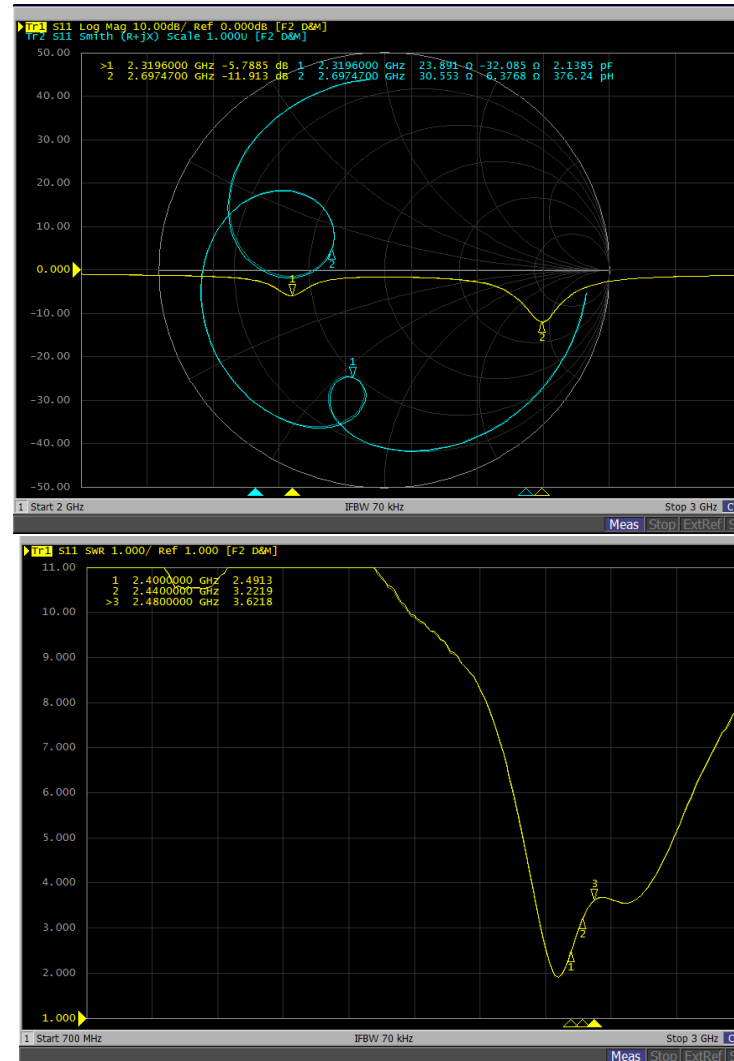
Antenna	Frequency (MHz)	Antenna Type	MAX Antenna (dBi)
WiFi 2	2412-2472	PCB Antenna	2.21
WiFi 1	2412-2472	PCB Antenna	3.35

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna (dBi)
Wifi 2	5180-5825	PCB Antenna	3.66
Wifi 1	5180-5825	PCB Antenna	3.47

BT

Log Mag- Smith & SWR

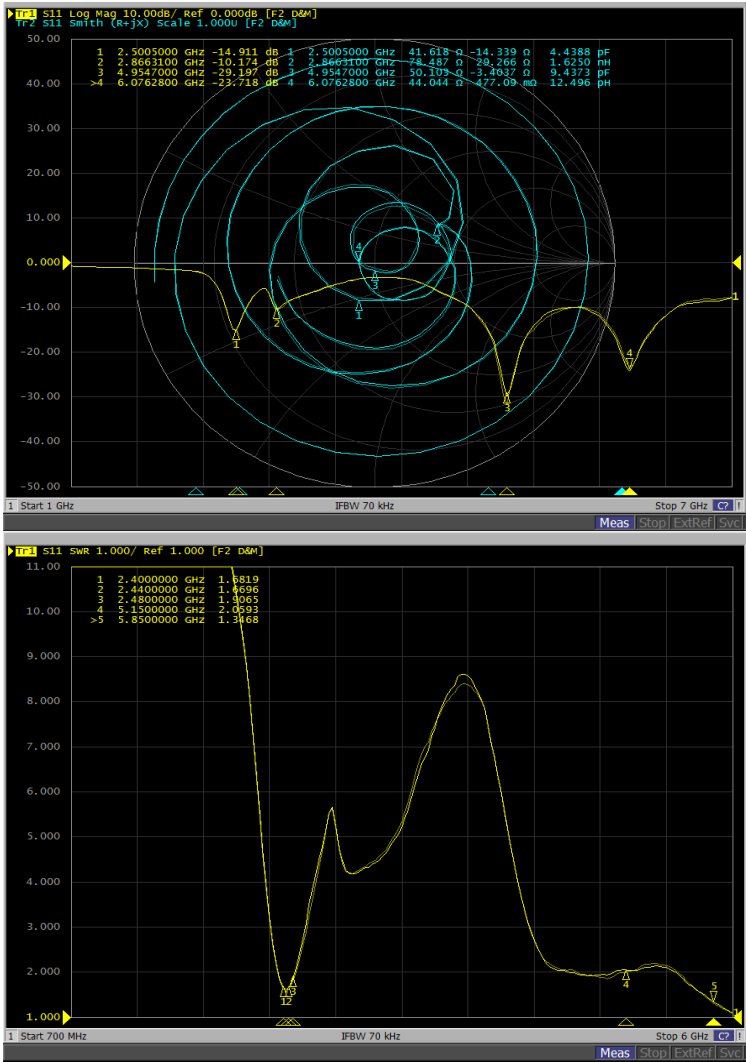
BT-2.4G



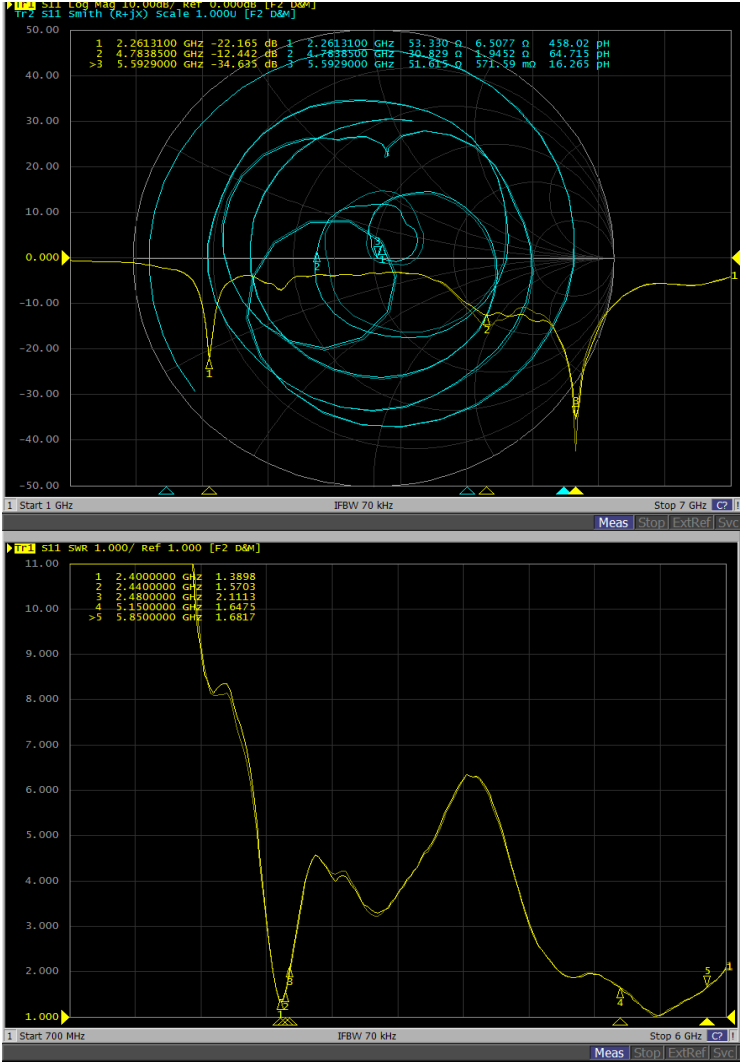
WIFI

Log Mag- Smith & SWR

WIF 0-2.4G-5G



WIFI 1-2.4G-5G



S11 - BT S22 - WIFI 0 S33 - WIFI 1

Tr 1 S11 LogM 10.00dB/ 0.00dB

Tr 3 S33 LogM 10.00dB/ 0.00dB

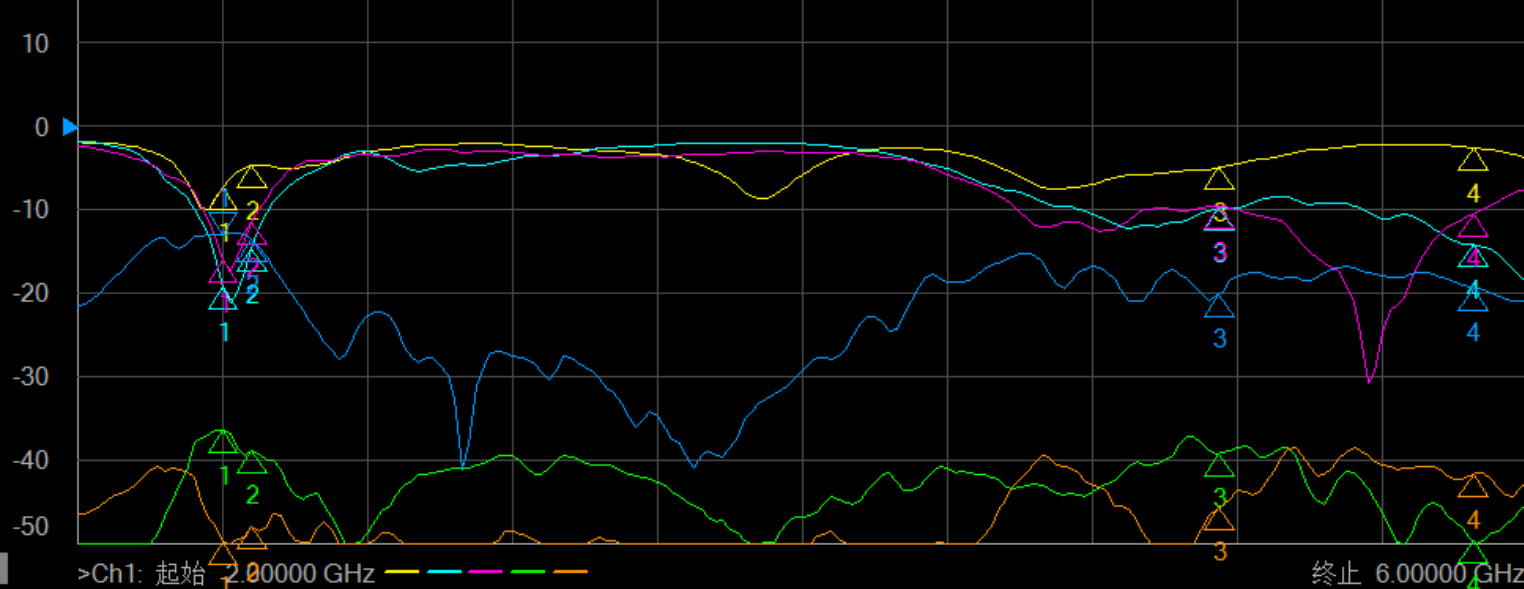
Tr 5 S13 LogM 10.00dB/ 0.00dB

Tr 2 S22 LogM 10.00dB/ 0.00dB

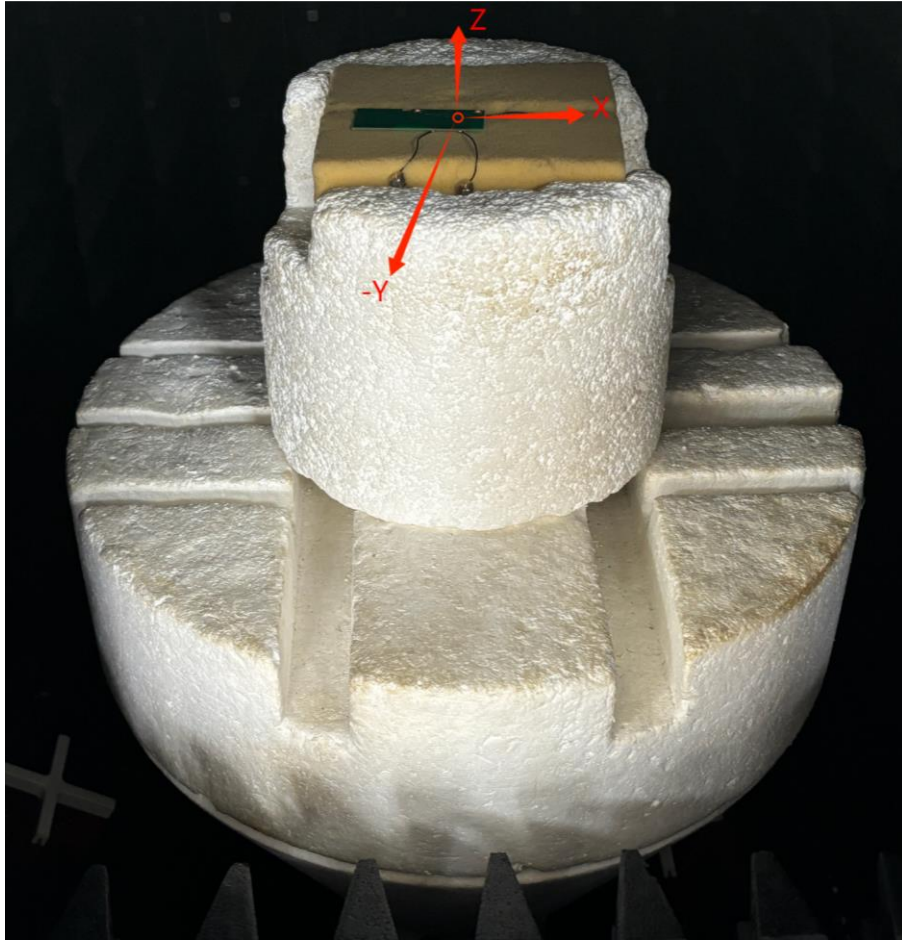
Tr 4 S12 LogM 10.00dB/ 0.00dB

Tr 6 S23 LogM 10.00dB/ 0.00dB

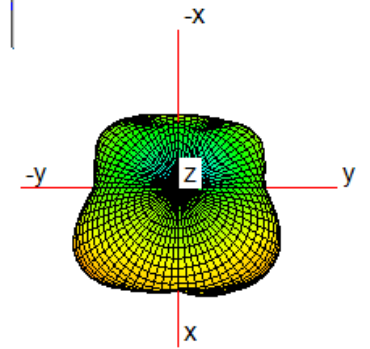
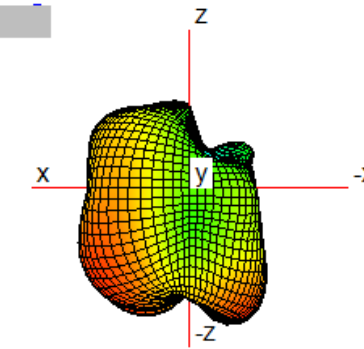
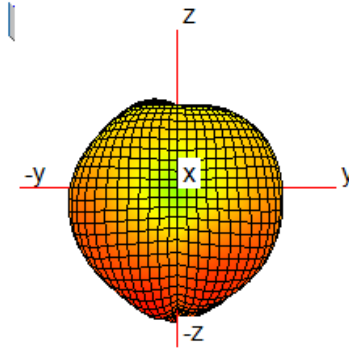
50	1:	2.400	GH z	-7.38 dB	1:	2.400	GH z	-19.27 dB	1:	2.400	GH z	-15.98 dB
	2:	2.480	GH z	-4.79 dB	2:	2.480	GH z	-14.79 dB	2:	2.480	GH z	-11.59 dB
40	3:	5.150	GH z	-4.98 dB	3:	5.150	GH z	-9.90 dB	3:	5.150	GH z	-9.64 dB
	4:	5.850	GH z	-2.63 dB	4:	5.850	GH z	-14.25 dB	4:	5.850	GH z	-10.55 dB
30	1:	2.400	GH z	-36.47 dB	1:	2.400	GH z	-49.88 dB	> 1:	2.400	GH z	-13.06 dB
	2:	2.480	GH z	-38.85 dB	2:	2.480	GH z	-48.02 dB	2:	2.480	GH z	-13.63 dB
20	3:	5.150	GH z	-39.25 dB	3:	5.150	GH z	-45.68 dB	3:	5.150	GH z	-20.17 dB
	4:	5.850	GH z	-49.69 dB	4:	5.850	GH z	-41.76 dB	4:	5.850	GH z	-19.45 dB



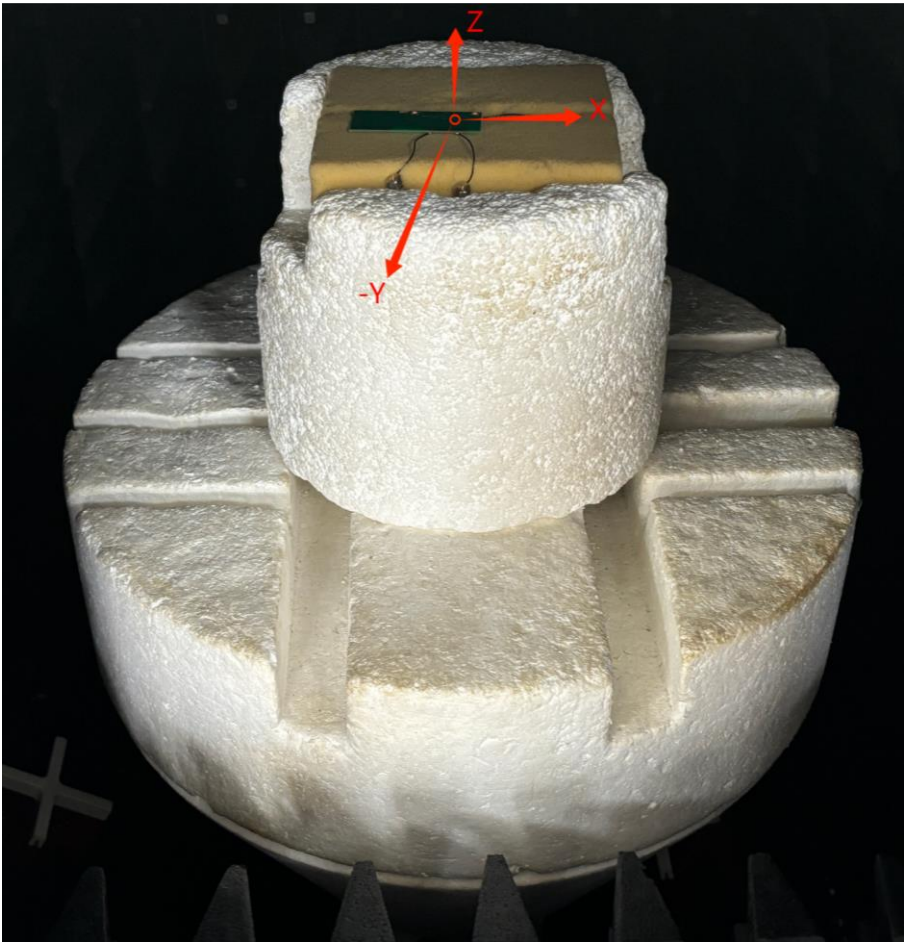
BT 3 D



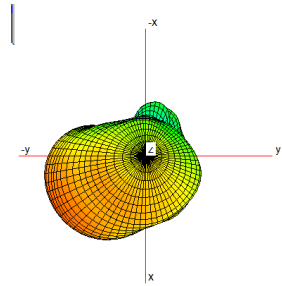
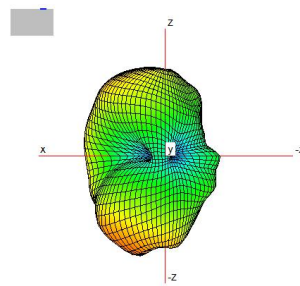
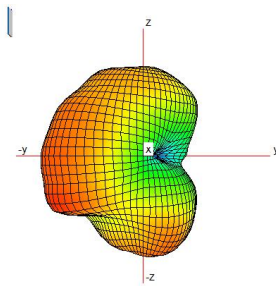
2450HMZ



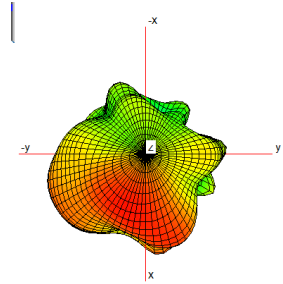
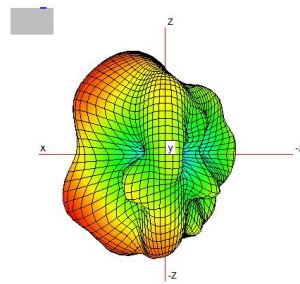
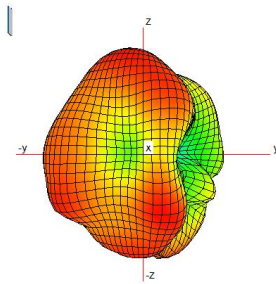
WIFI 0-2.4G-5G 3D



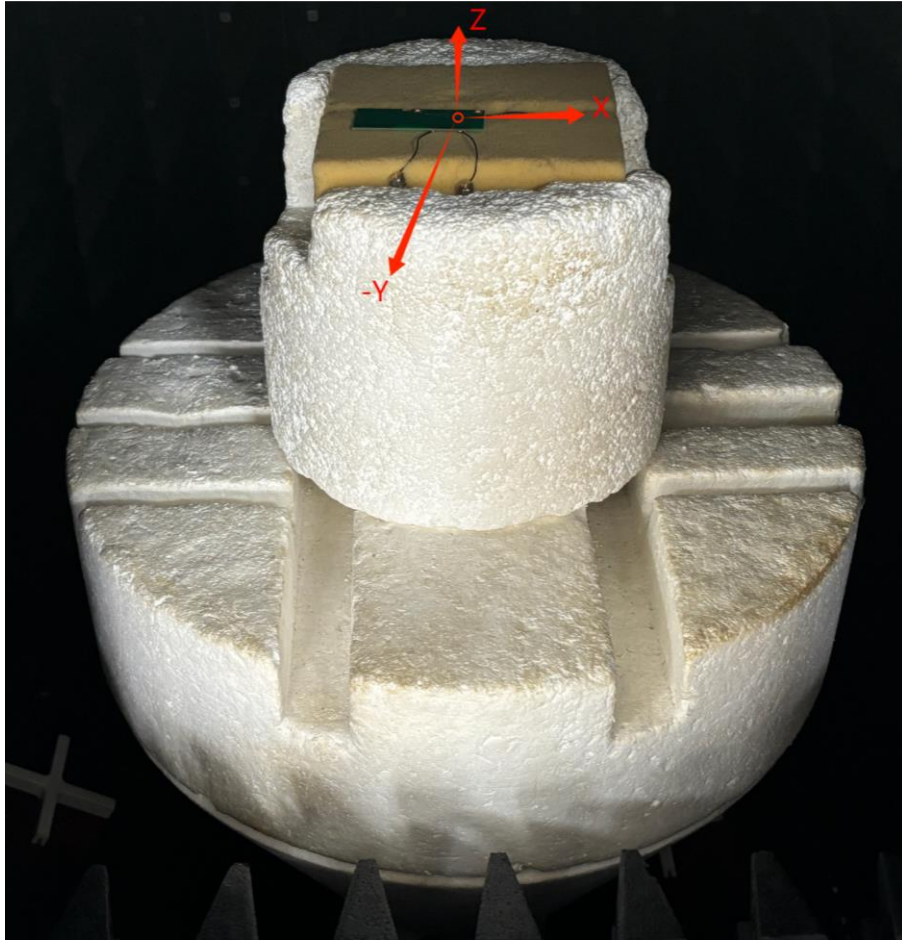
2450HMZ



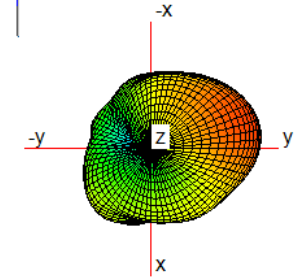
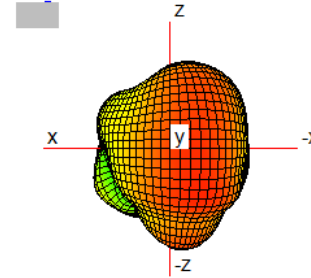
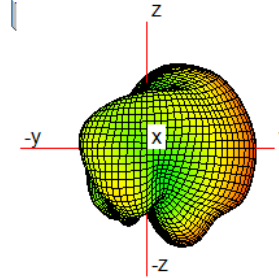
5500HMZ



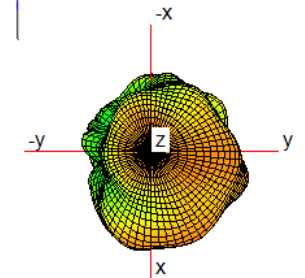
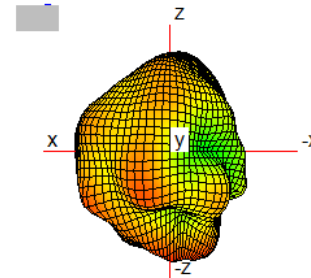
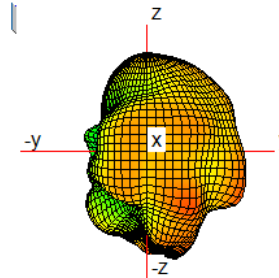
WIFI 1- 2.4G- 5G



2450HMZ



5500HMZ



Thank You!