

读谱仪 Antenna Test Report

Customer	
Project	读谱仪
Antenna BAND	LTE-FDD 4/13&WIFI
Product Description	FPC+CABLE
Product No	V1.0

ShenzhenHetuoTechnologyCo.,Ltd

address:1202B, Building C6, Hengfeng Industrial City, Xixiang, Bao'an District,
Shenzhen

This report is to measure the performance of BT antenna for B23. The antenna operating frequency at 读谱仪 (700-960MHz 1700-2170MHz&2400-2500MHZ), All test data are showed as below.

Content

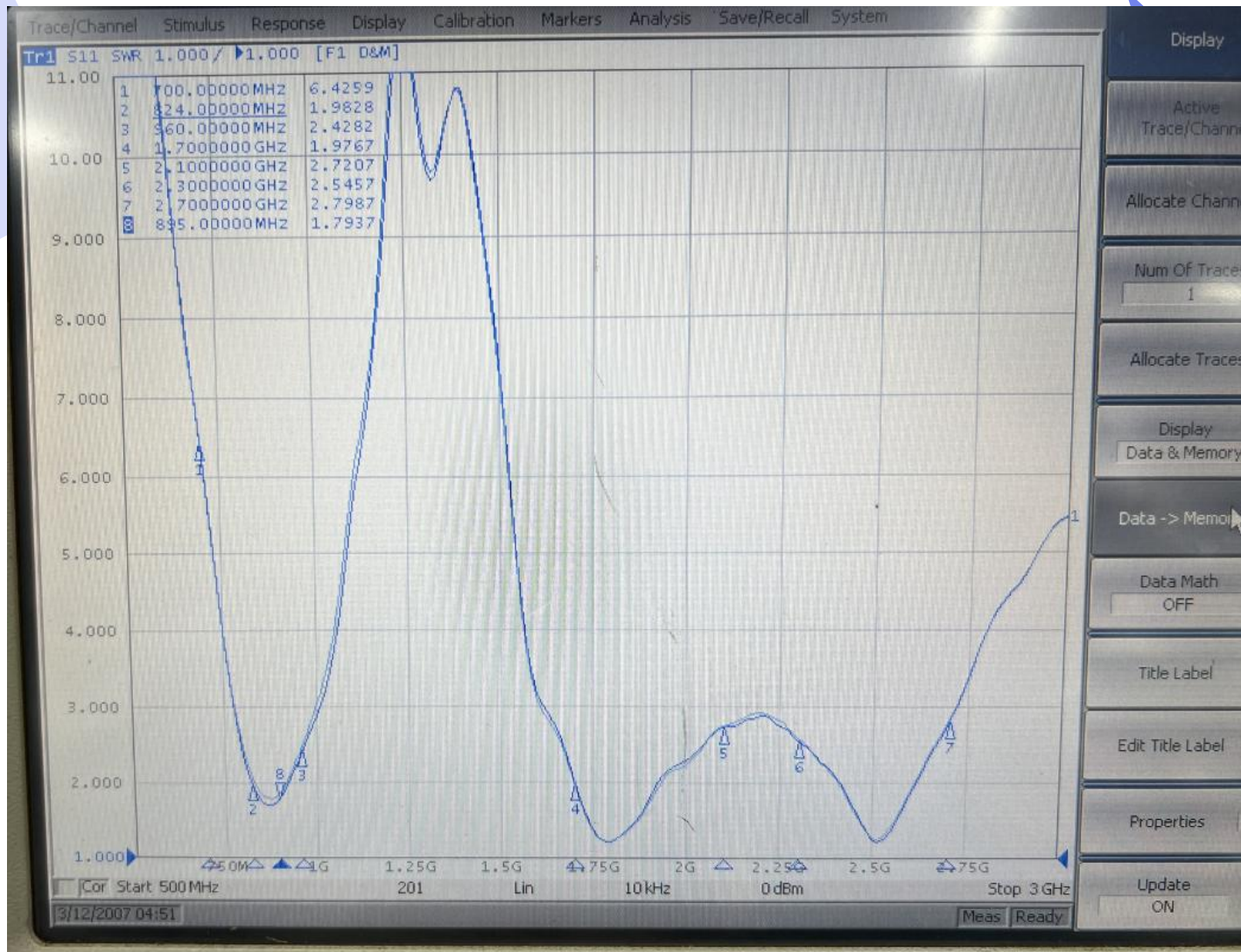
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Gain & Efficiency
 - 4.3 Test coordinate
 - 4.4 2D Pattern
 - 4.5 OTA Data
 - 4.6 BT Boot measured
5. Antenna Assembly & environmental processing

2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C

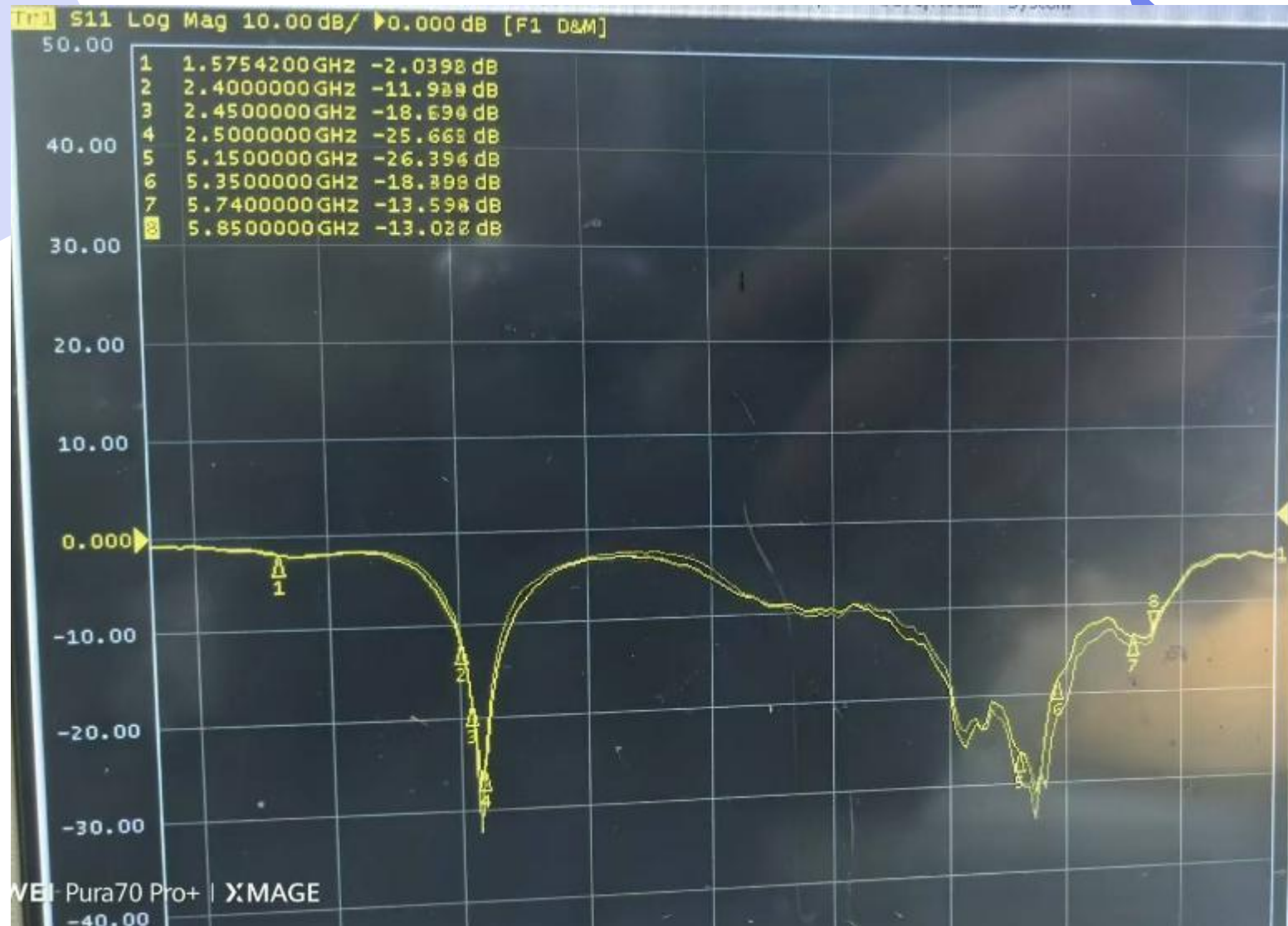


VSWR-4G ANT

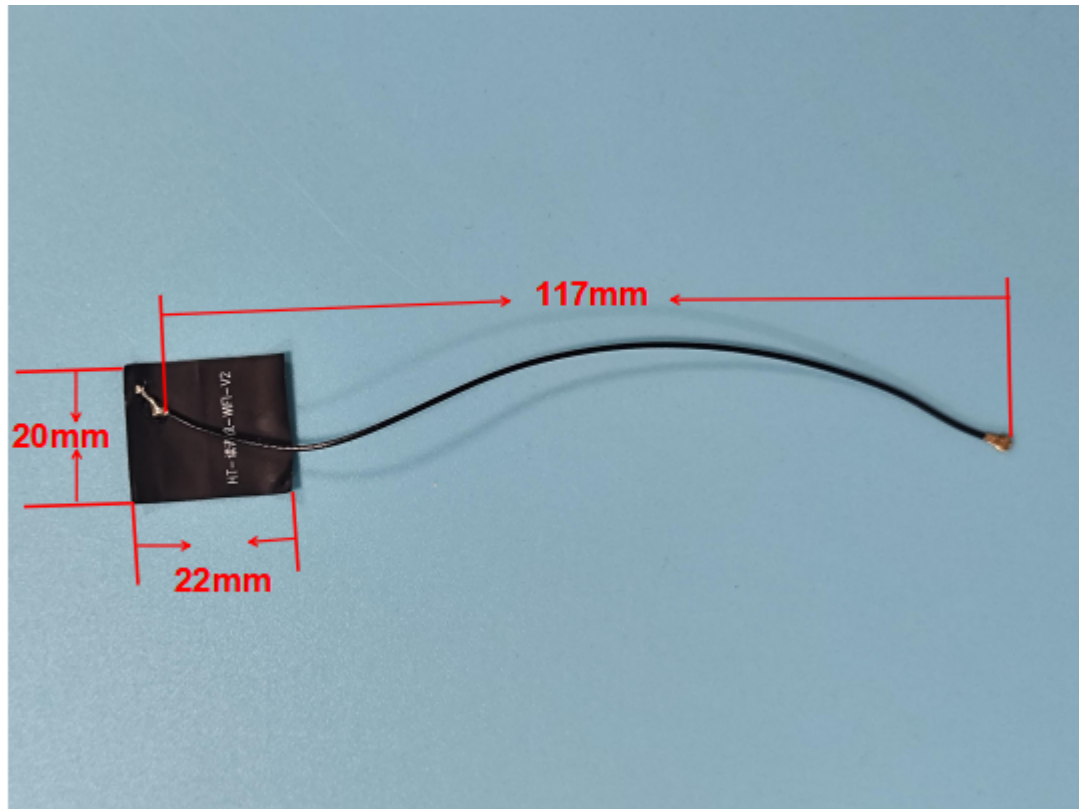


BAND	824	960	1710	2100	2300	2700
VSWR	1.98	2.42	1.97	2.72	2.54	2.79

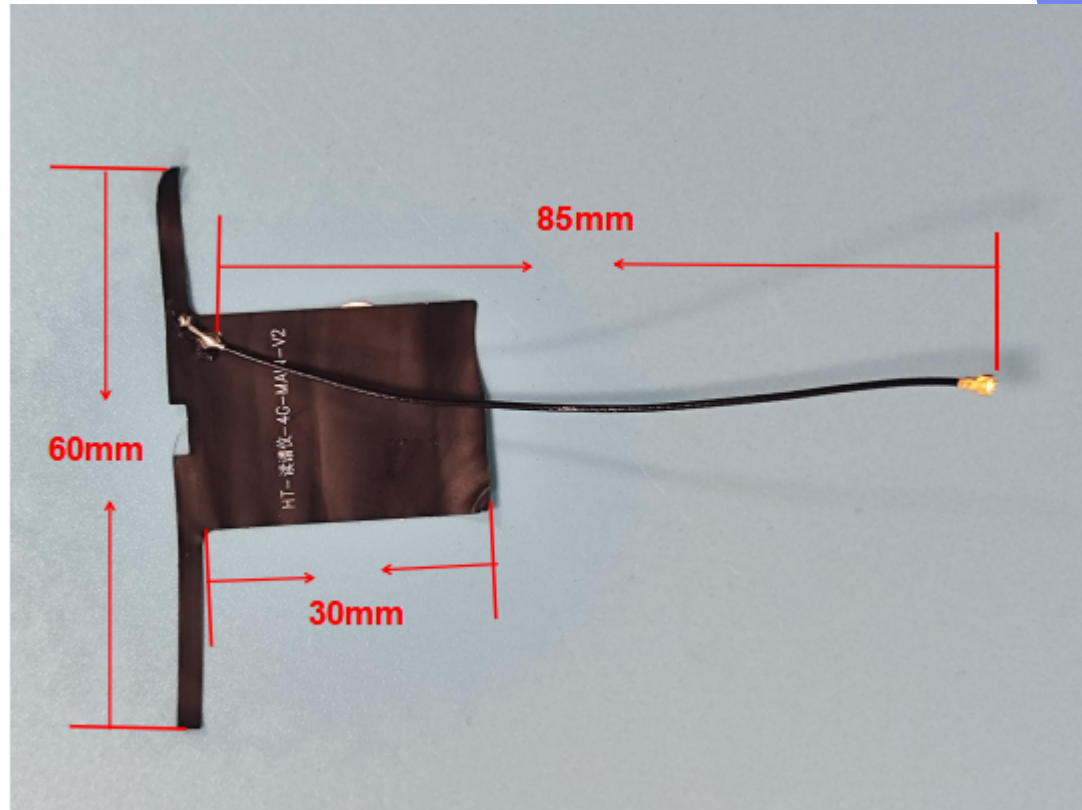
S11-WIFI ANT

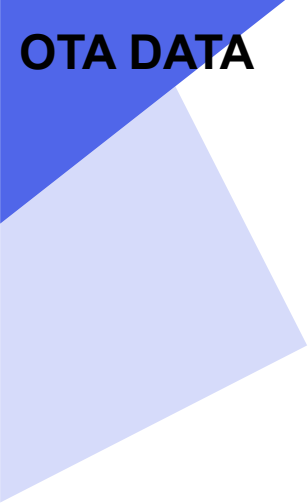


BT/2.4GWIFI/5GWIFI antenna size



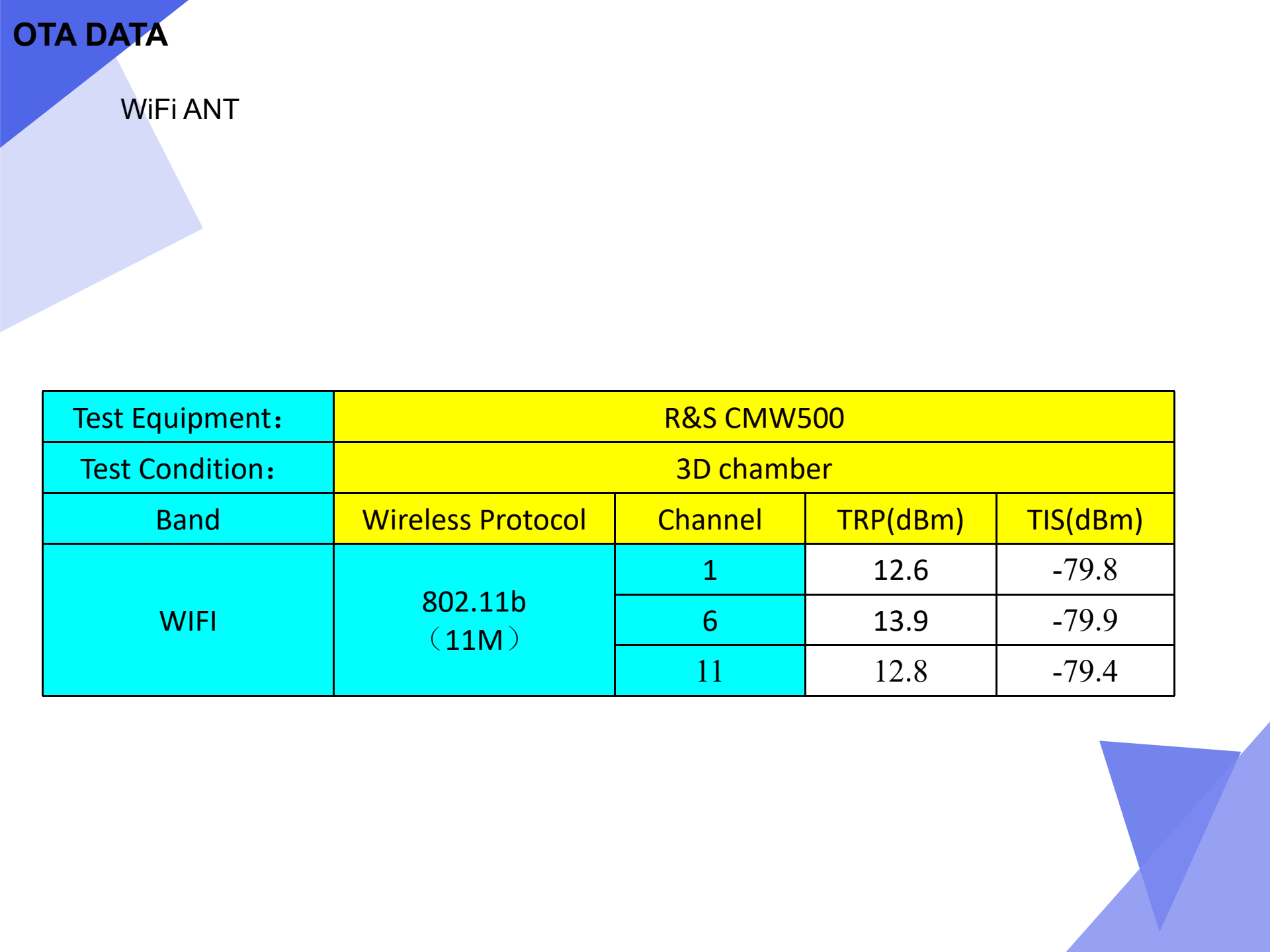
4G antenna size





Test Equipm ent:	R&S CMW500		
Test Condi tion:	3D chamber		
BAND	CH	TRP	TIS
LTE- TDD 4	L	18.2	
	M	18.1	
	H	17.9	-85.6
LTE- TDD 13	L	17.3	
	M	17.2	
	H	17.2	-82.1





OTA DATA

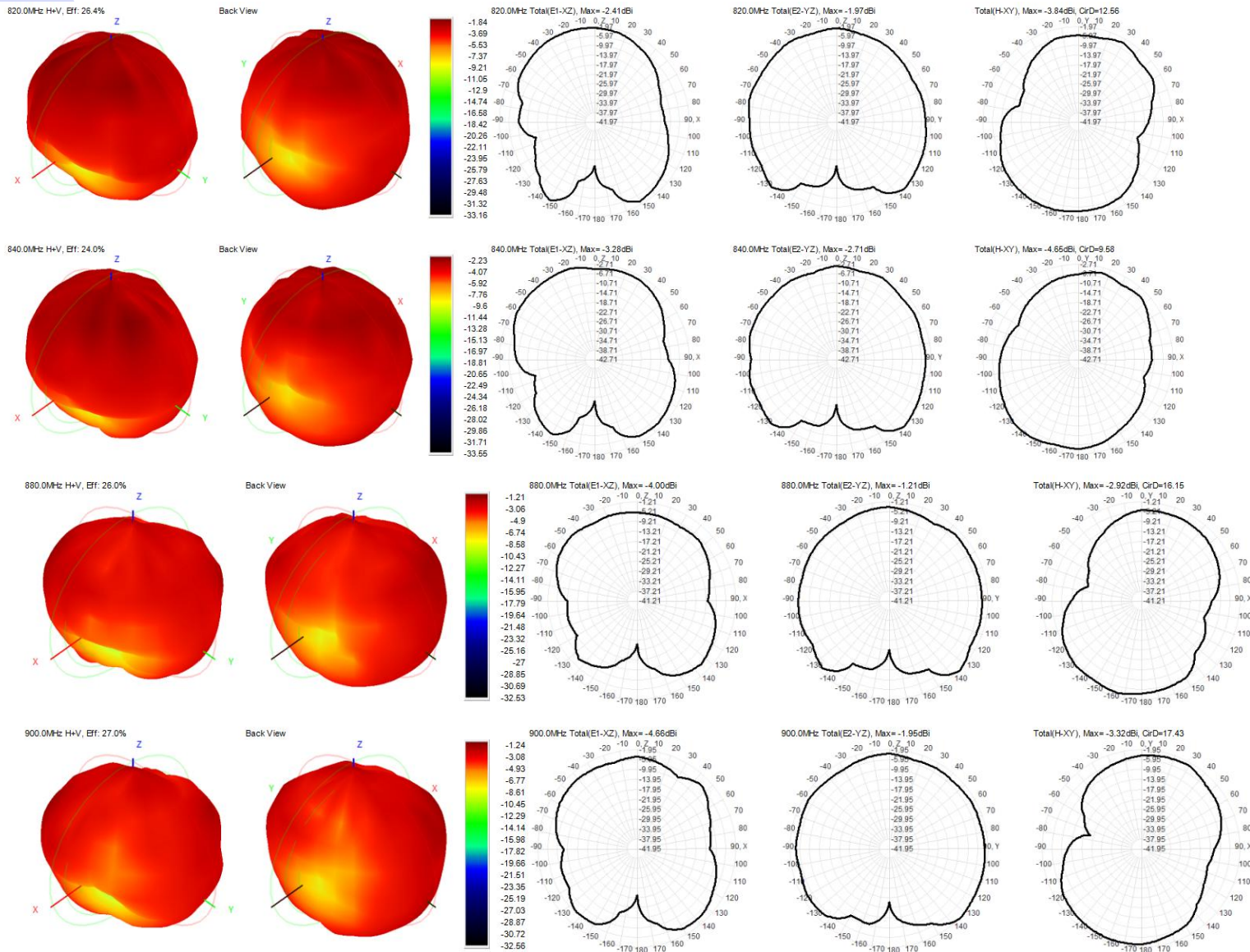
WiFi ANT

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
WIFI	802.11b (11M)	1	12.6	-79.8
		6	13.9	-79.9
		11	12.8	-79.4

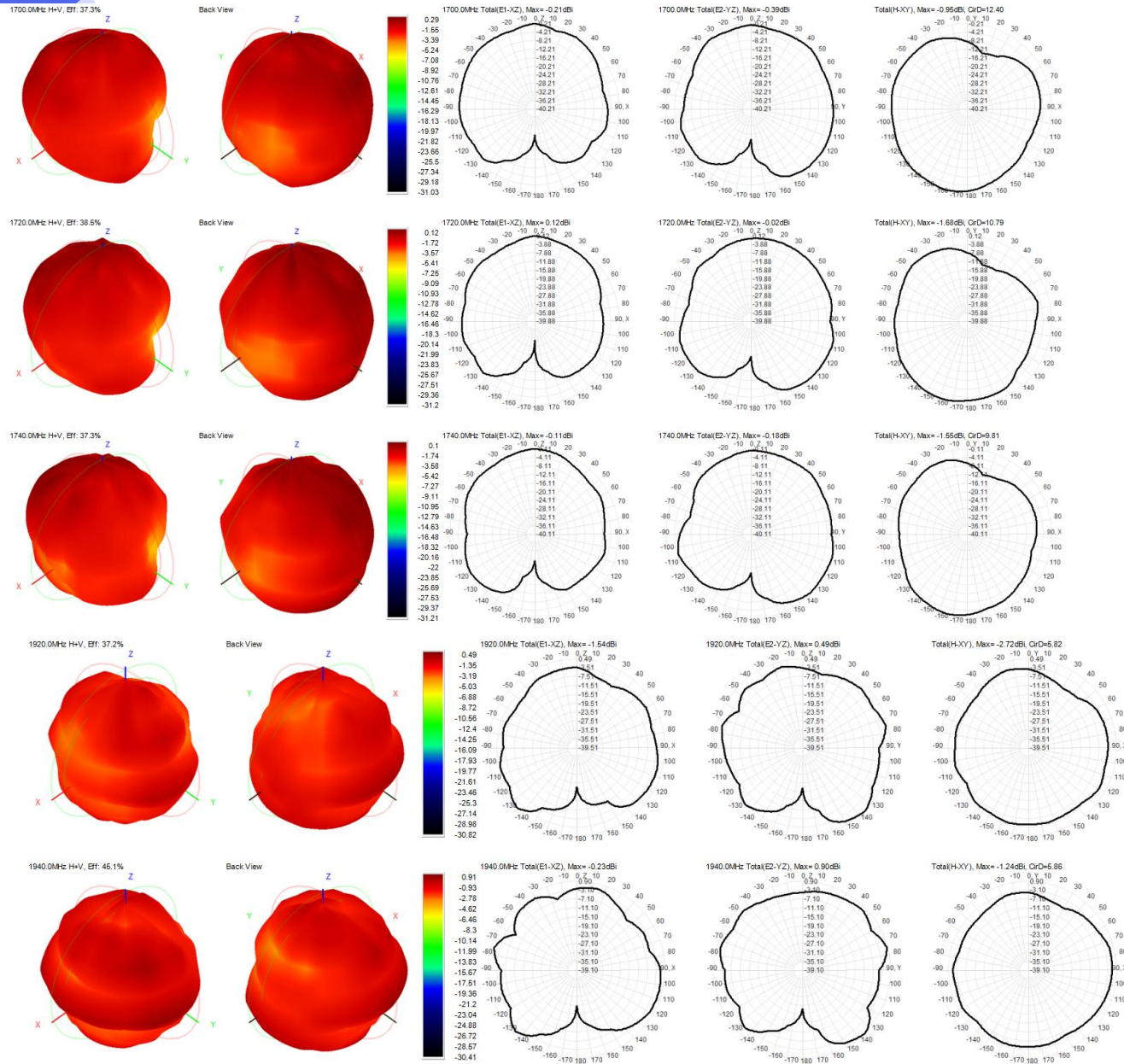
Frequency (MHz)	Efficiency (%)	Gain (dBi)
740	30	-0.3
760	35	0
780	39	0.2
800	36	0.3
1700	43	1.2
1720	46	1.6
1740	42	1.8
1760	36	1.9
2100	35	1.4
2150	37	1.5
2200	41	1.5

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	48.9	1.7
2450	51.3	1.9
2500	49.6	1.8
5700	48	4.6
5750	49.9	4.9
5800	52.6	4.9
5850	55.2	4.8
5900	51.1	4.3

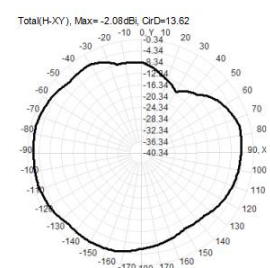
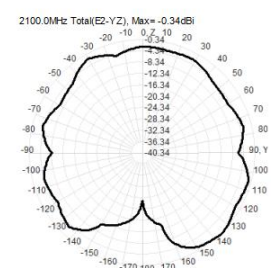
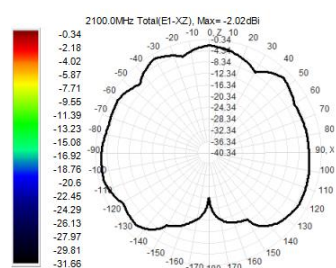
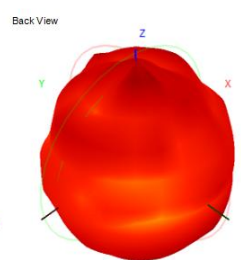
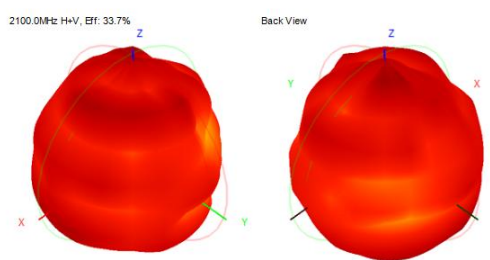
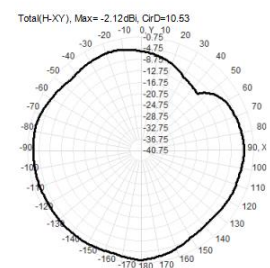
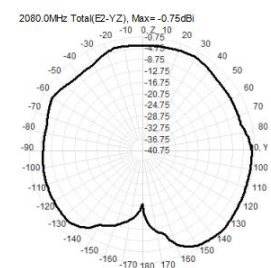
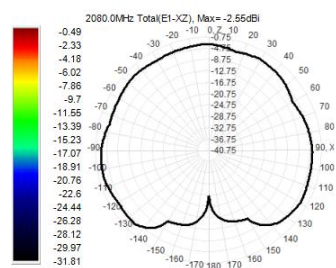
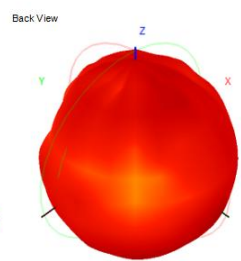
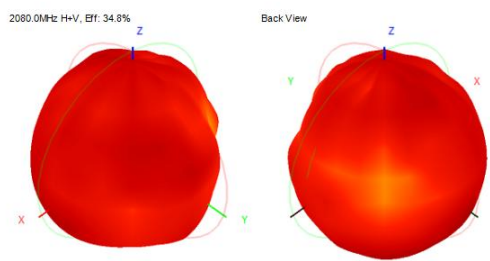
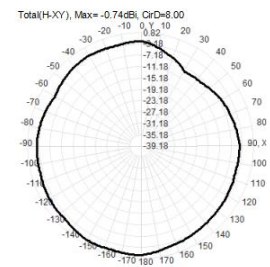
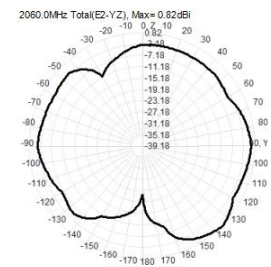
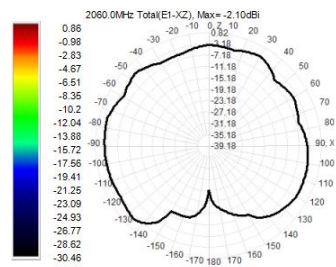
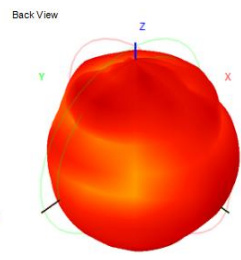
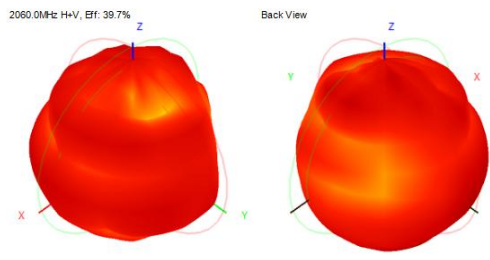
3D DATA



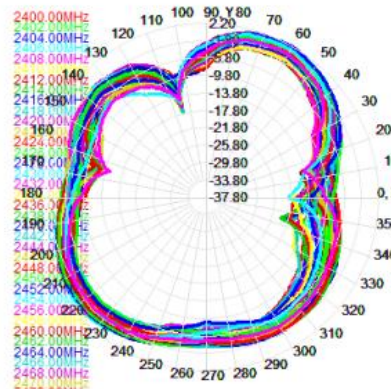
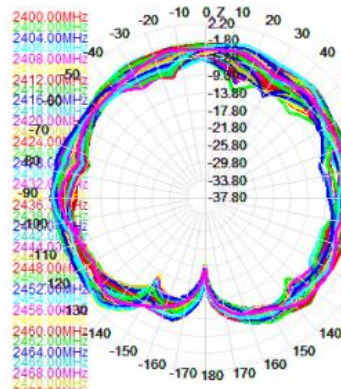
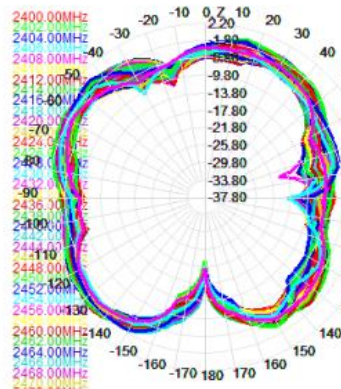
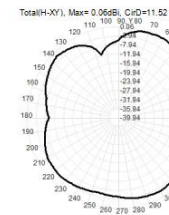
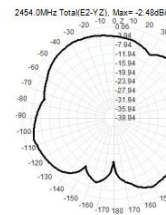
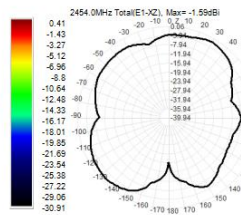
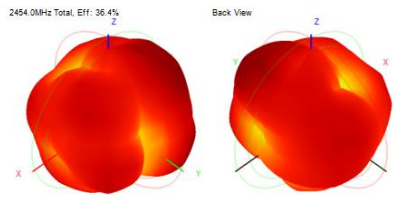
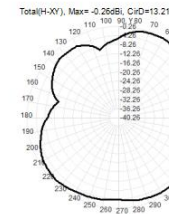
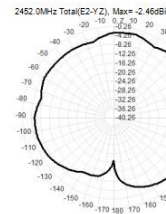
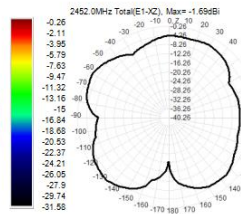
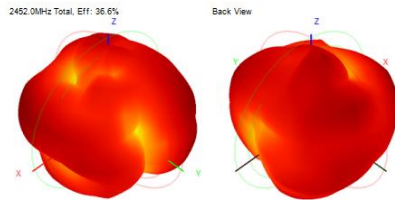
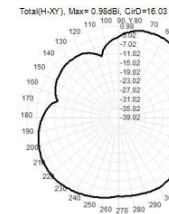
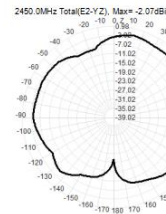
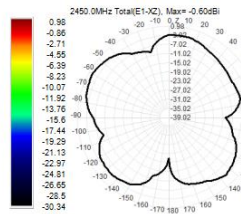
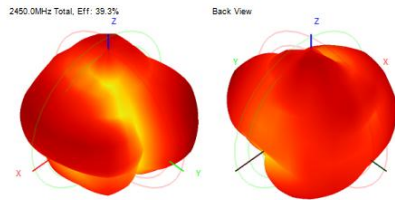
3D DATA



3D DATA

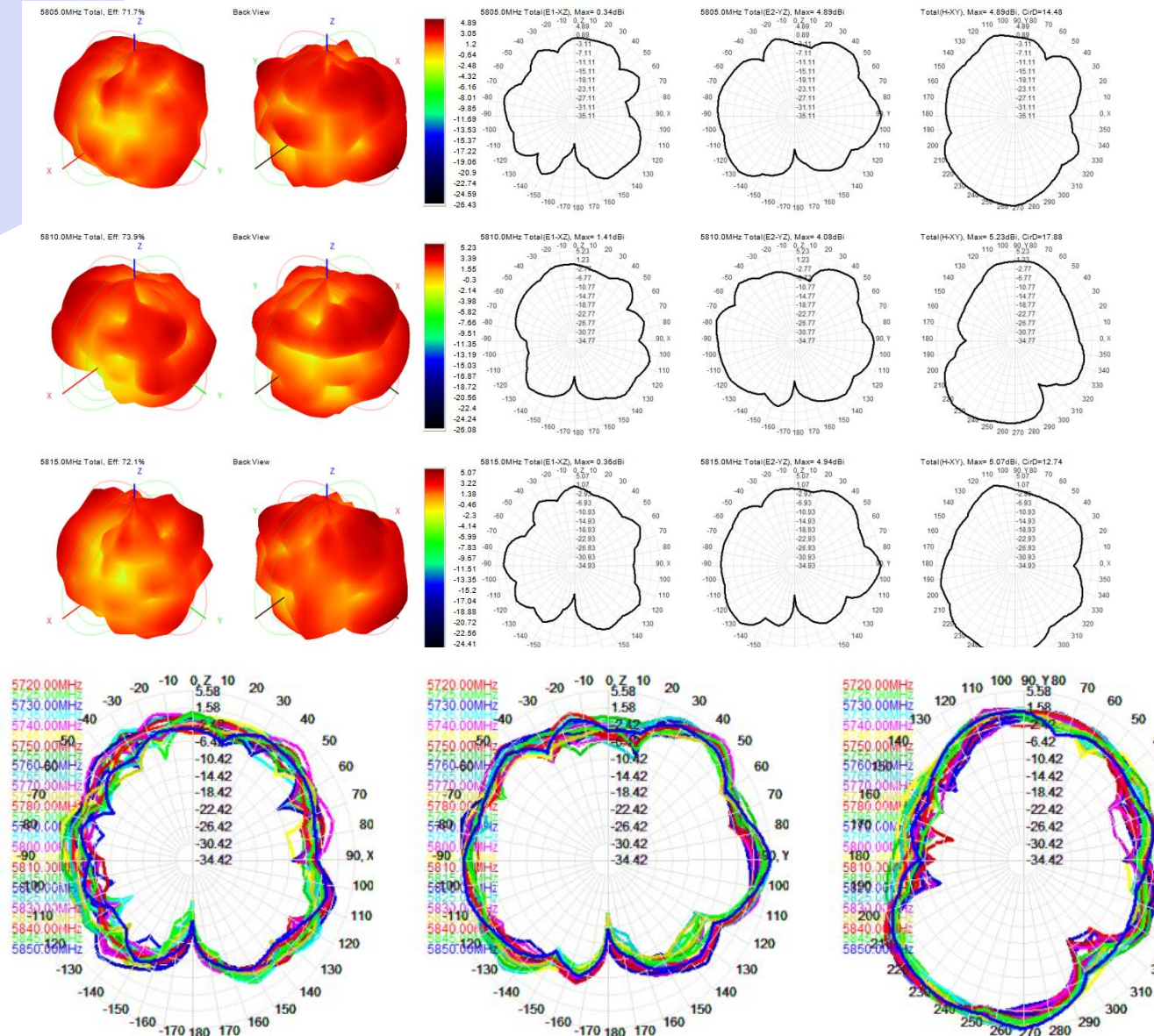


3D Pattern

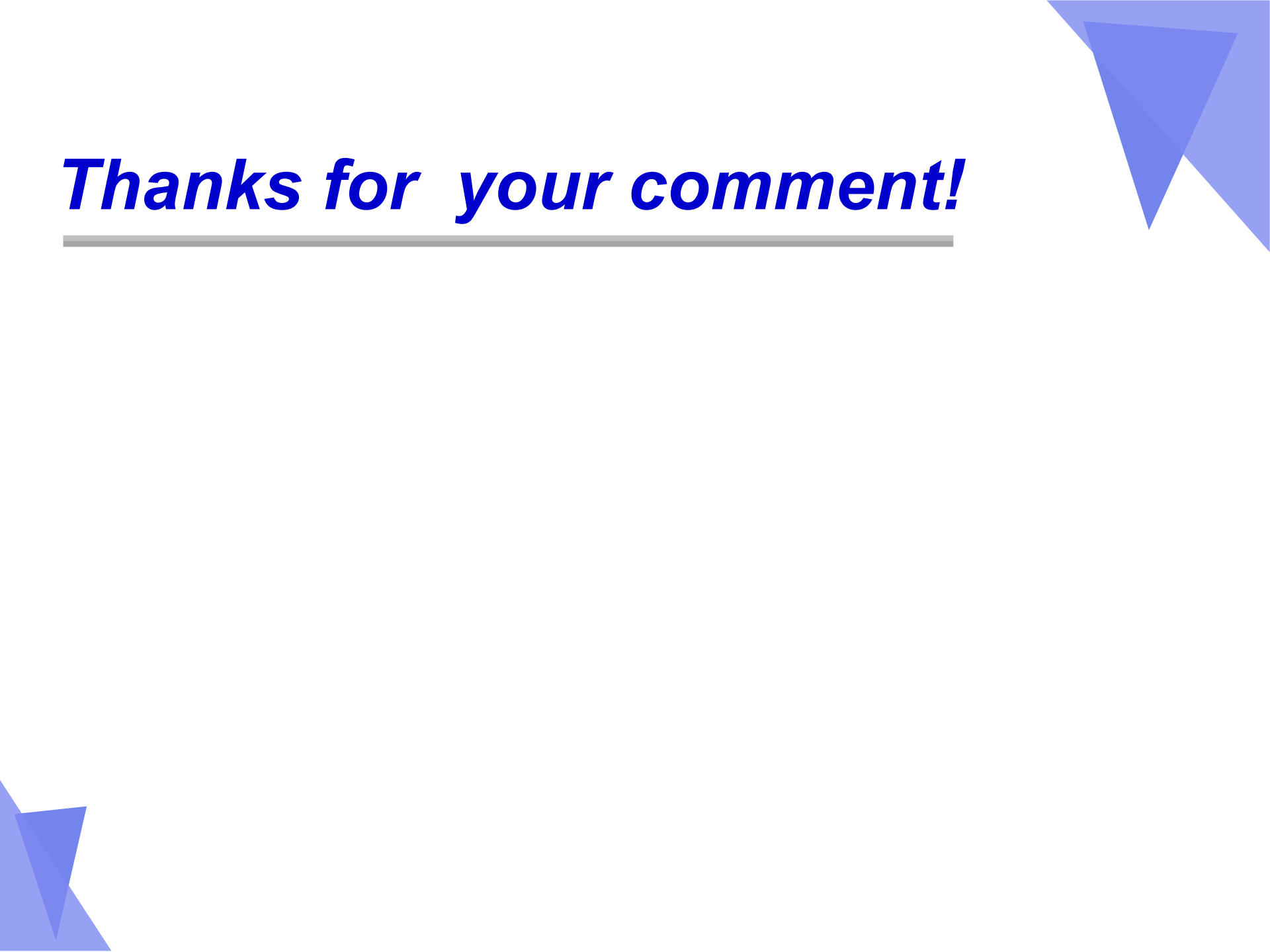


OTA DATA-BT ANT

3D Pattern



Thanks for your comment!

The slide features a white background with decorative elements in the corners. In the top-right and bottom-left corners, there are overlapping triangles in two shades of blue, creating a modern, geometric design.