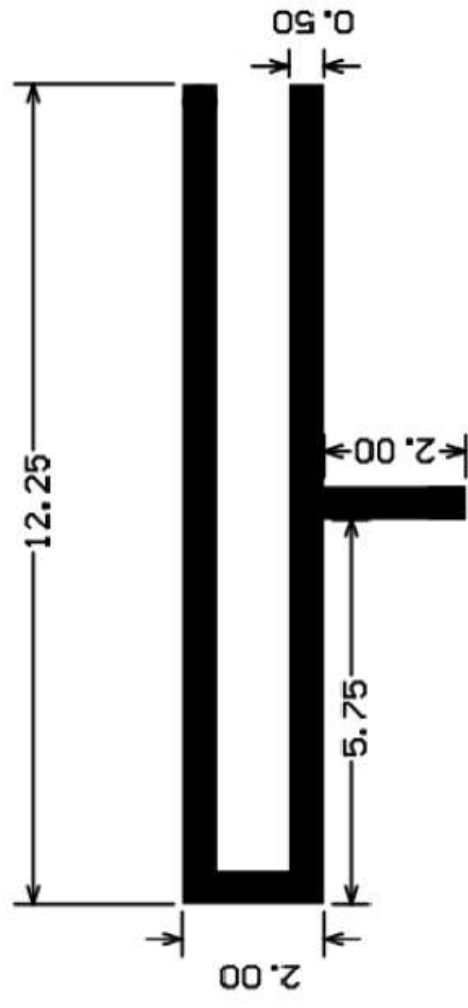
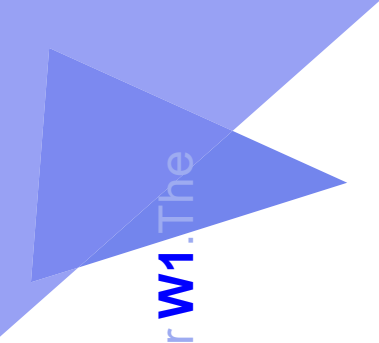


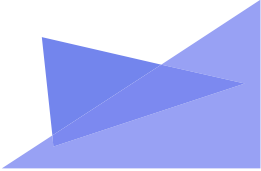
Product Overview & Dimension Unit: mm





This report is to measure the performance of BT antenna for **W1**. The antenna operating frequency at **(2400–5850MHZ)** , All test data are showed as below.

Content

1. Product Overview & Dimension
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 4. Test Result
 - 4.1 S11 Parameter
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 - 4.3 Test coordinate
 - 4.4 2D Pattern
 - 4.5 OTA Data
 - 4.6 WiFi Boot measured
 5. Antenna Assembly & environmental processing
- 

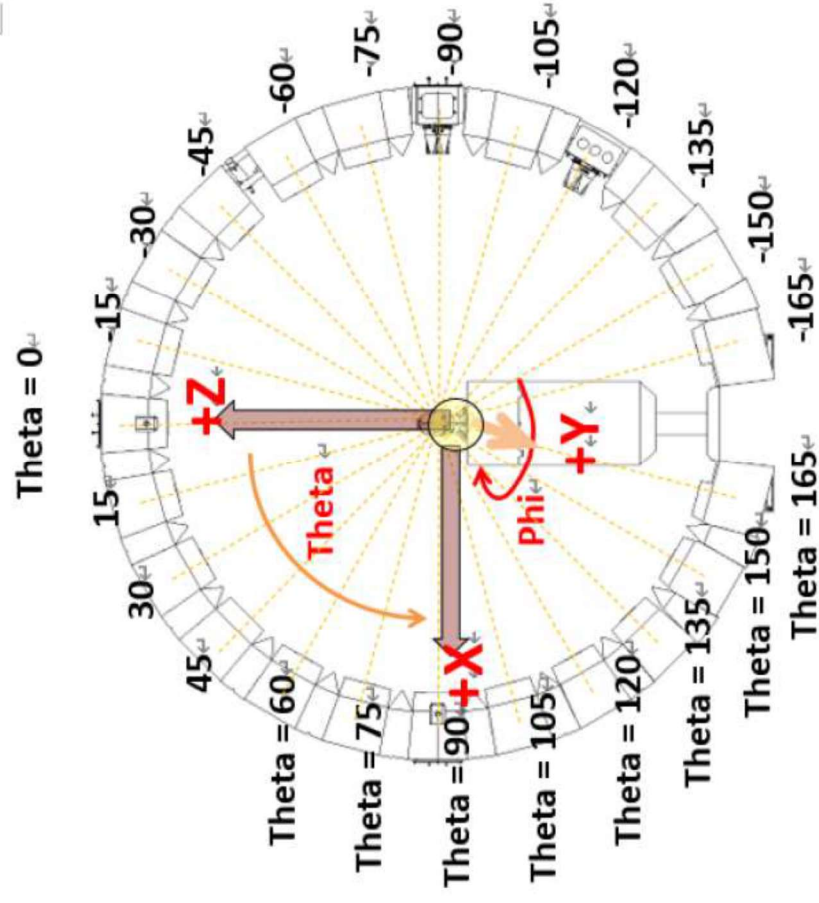
2. Test System

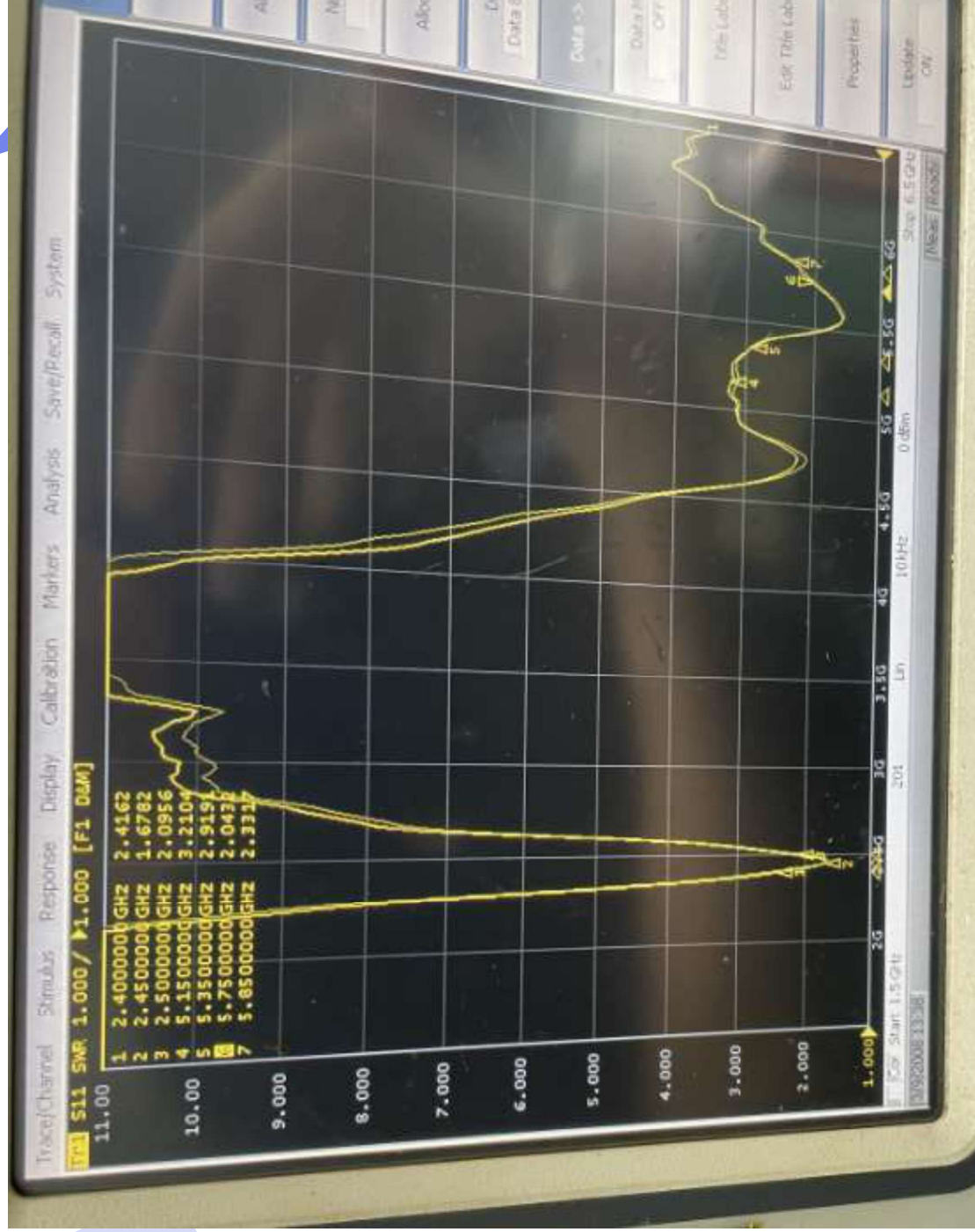
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



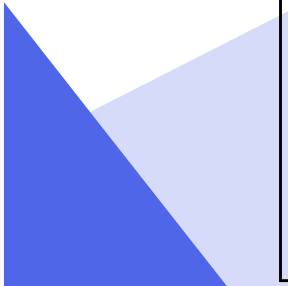
Test Result

Sample status & coordinates

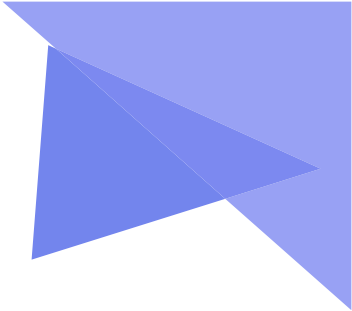




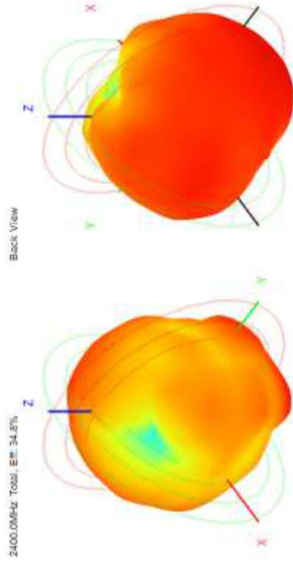
天线S11



Frequency ID		1	2	3	4	5	6	7	8	9	10	11		
Frequency (MHz)		2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0		
Gain (dBi)		2.92	3.20	2.83	2.89	3.15	3.74	4.04	4.29	3.83	4.02	3.99		
Efficiency (%)		24.79	25.68	26.13	28.35	28.77	29.77	30.65	29.63	27.37	27.64	28.22		
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
0.60	0.57	0.60	0.67	0.66	0.31	0.50	1.18	1.91	2.23	1.76	2.67	2.61	2.42	2.31
23.32	24.39	26.96	25.75	27.13	28.18	29.81	29.20	34.32	38.25	35.10	38.69	32.04	21.14	27.85

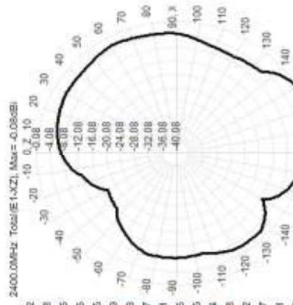


2400.0MHz Total EM: 34.5%

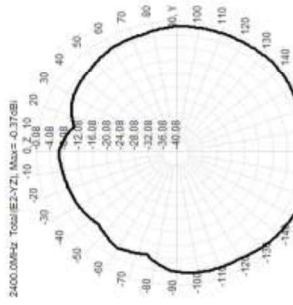


Back View

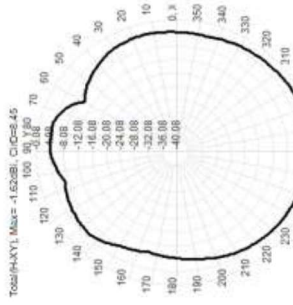
2400.0MHz Total E1(XZ): Max=0.08dBi



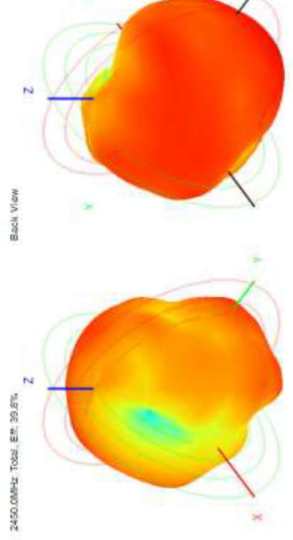
2400.0MHz Total E2(YZ): Max=0.37dBi



2400.0MHz Total E3(XY): Max=-1.63dBi, C/G=0.45

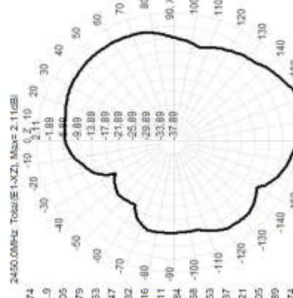


2450.0MHz Total EM: 39.8%

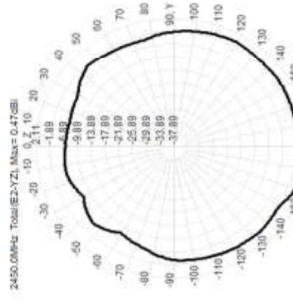


Back View

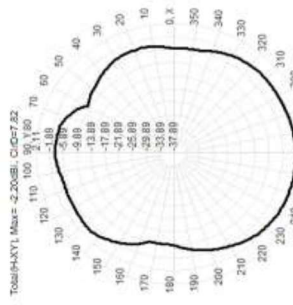
2450.0MHz Total E1(XZ): Max=2.11dBi



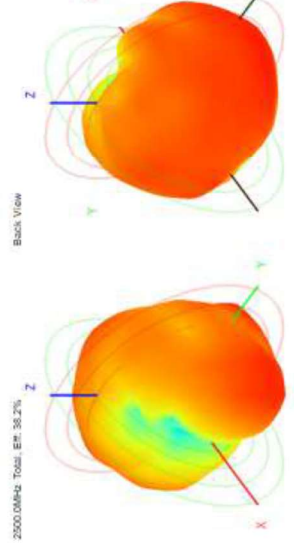
2450.0MHz Total E2(YZ): Max=0.47dBi



2450.0MHz Total E3(XY): Max=-2.20dBi, C/G=7.82

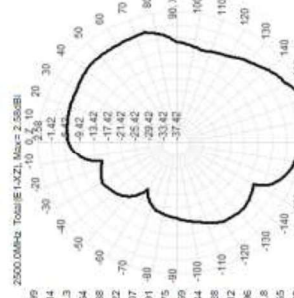


2500.0MHz Total EM: 38.2%

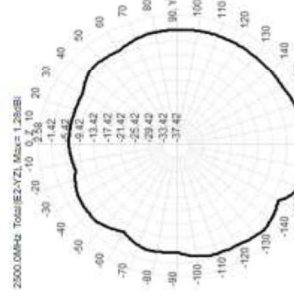


Back View

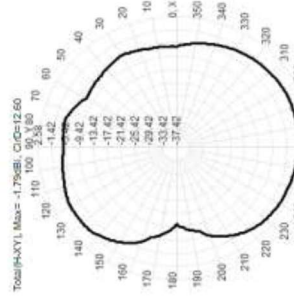
2500.0MHz Total E1(XZ): Max=2.55dBi

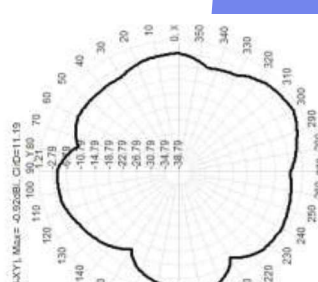
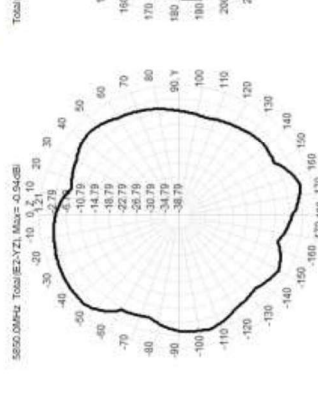
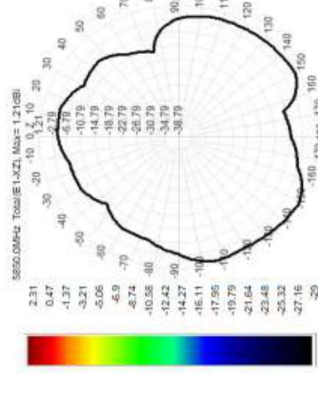
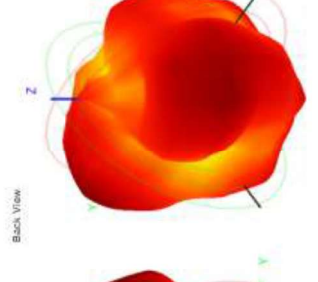
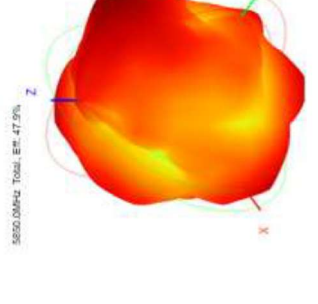
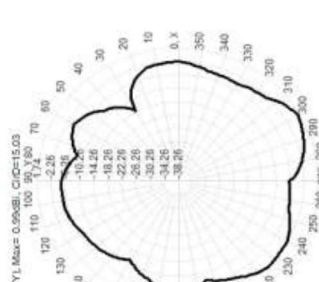
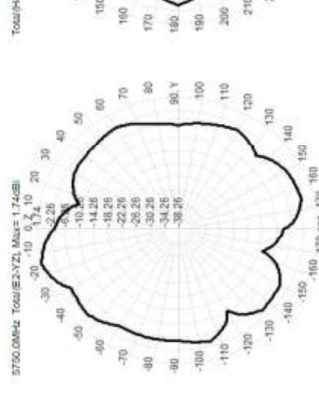
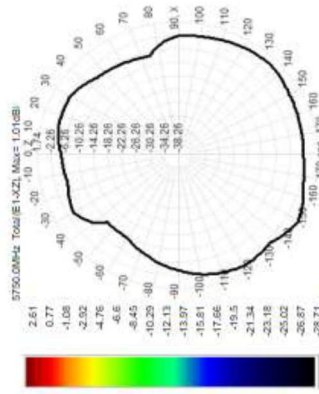
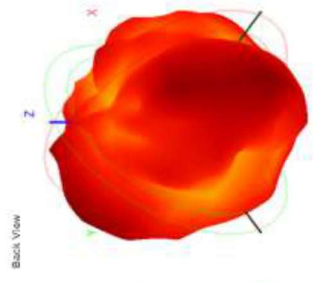
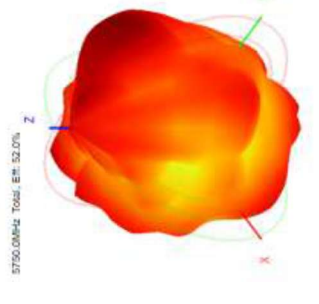
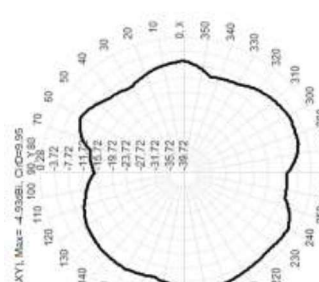
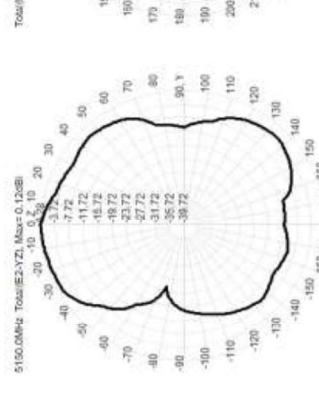
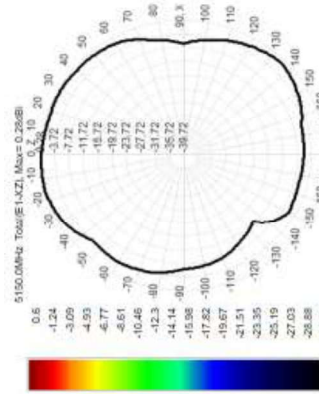
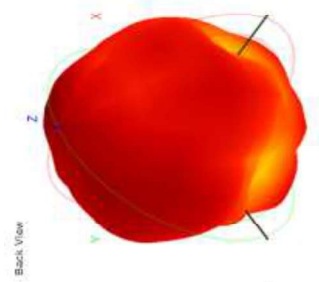
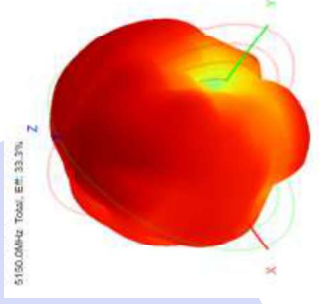


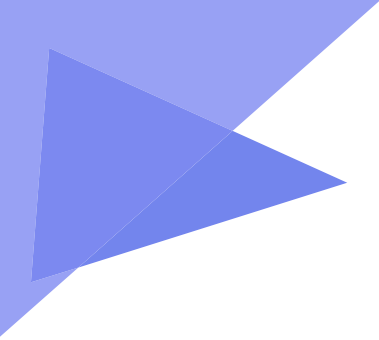
2500.0MHz Total E2(YZ): Max=1.38dBi



2500.0MHz Total E3(XY): Max=-1.79dBi, C/G=12.60







Thanks for your comment!

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Shenzhen

