



Antenna Test Report

Client: LIYI Technology

Project: DSP156

Type: 2.4G/5G WIFI FPC Antenna

Date: 2022-08-19

Version: V1

APPROVAL	CHECK	DESIGN
顾军	刘黎明	张子豪



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Lab Test environment



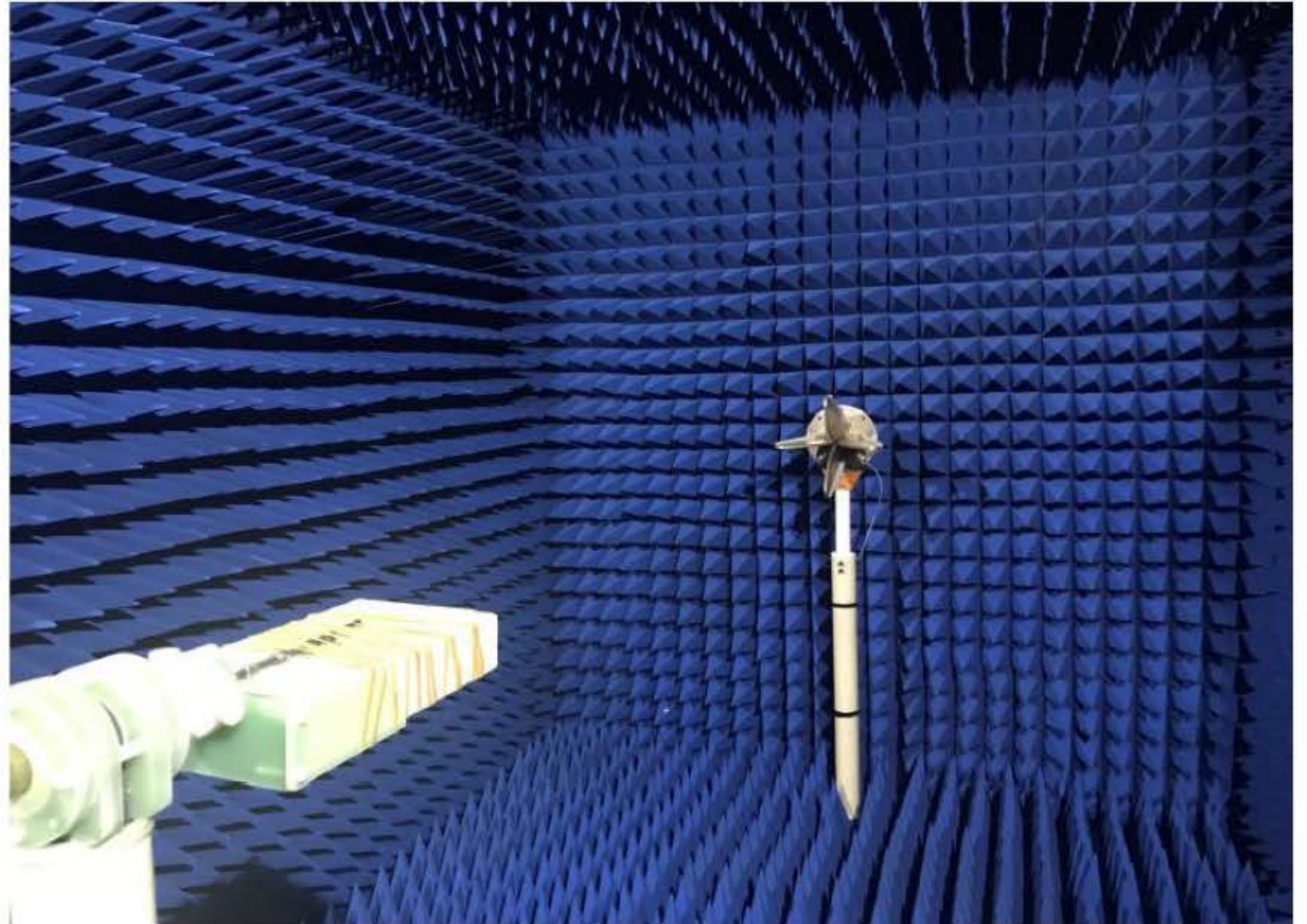
CMW500



E5071B

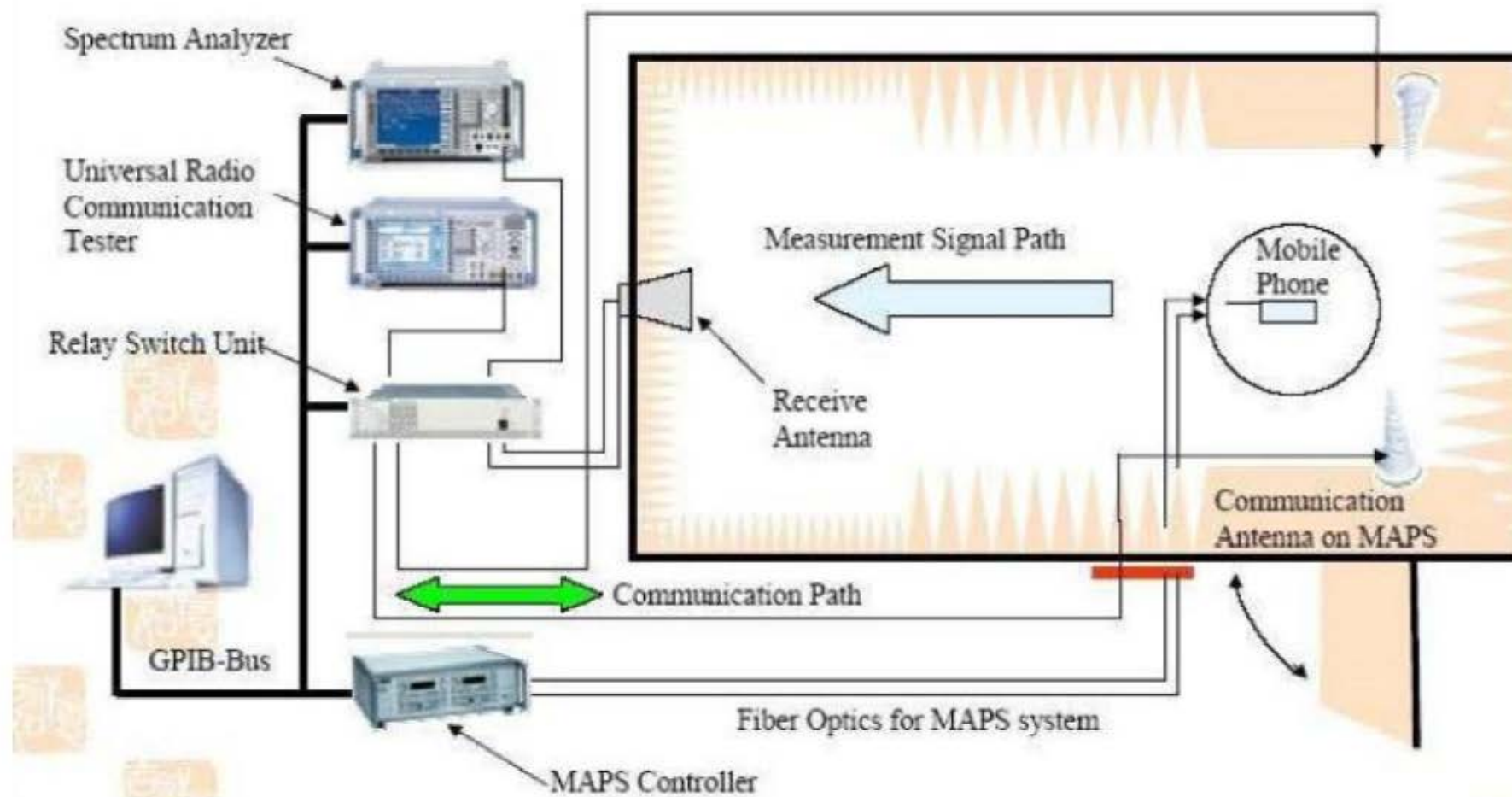


Aglient 8960





Anechoic Chamber Test environment





Introduction of DUT

DUT Type	Display Screen Equipment		
	Antenna	frequency band	Test item
Antenna and frequency	2.4G WIFI	2400MHz~2500MHz	SWR/Efficiency/Gain
	5G WIFI	5150MHz-5850MHz	
Type of antenna	FPC+Coaxial cable		

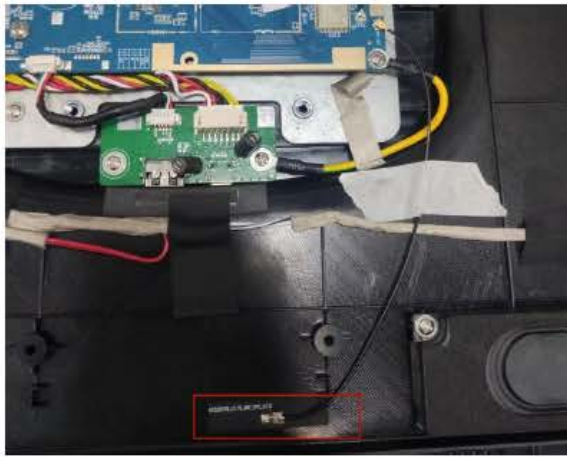


Introduction of DUT



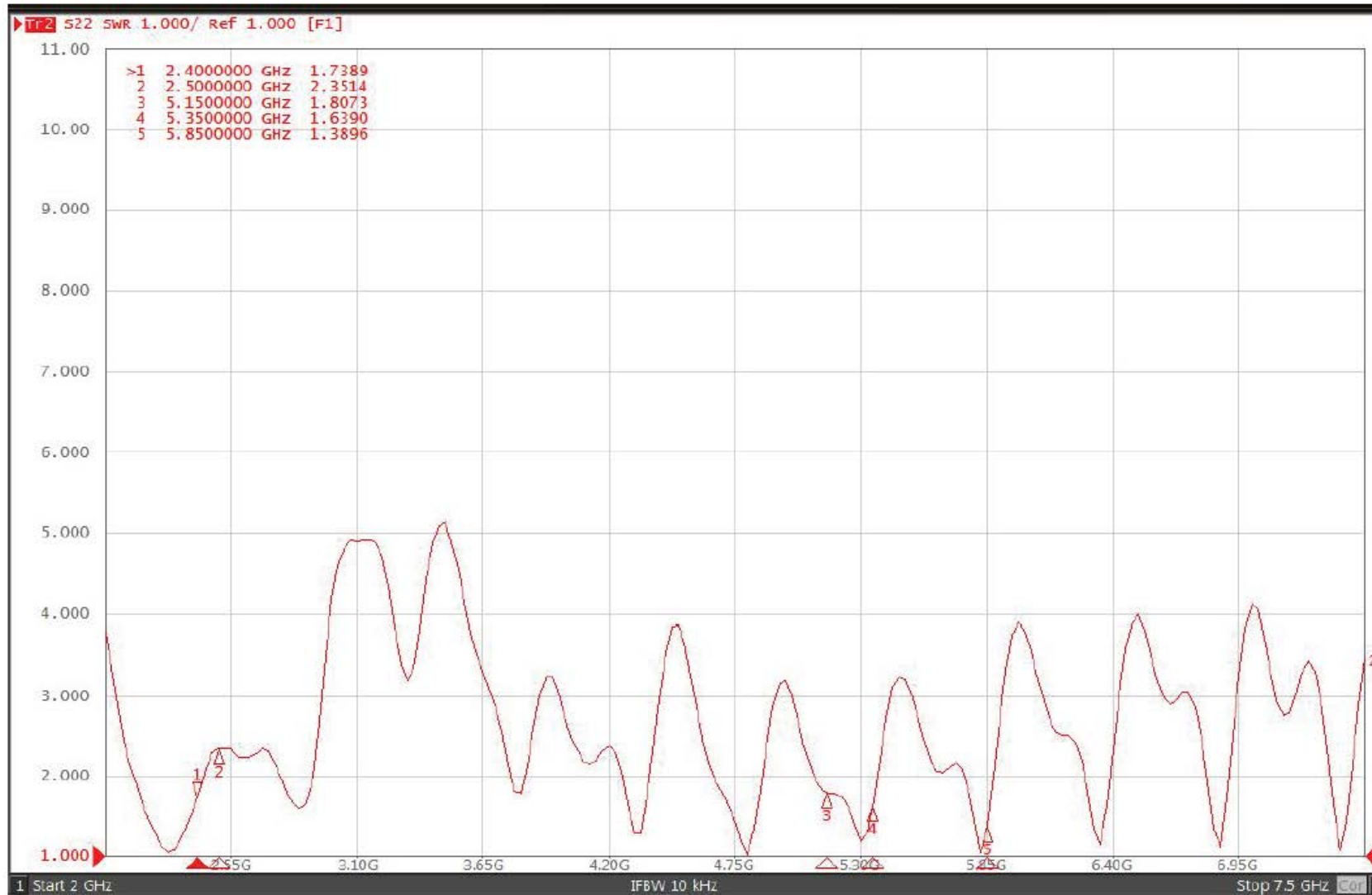


ANT Location





Standing Wave



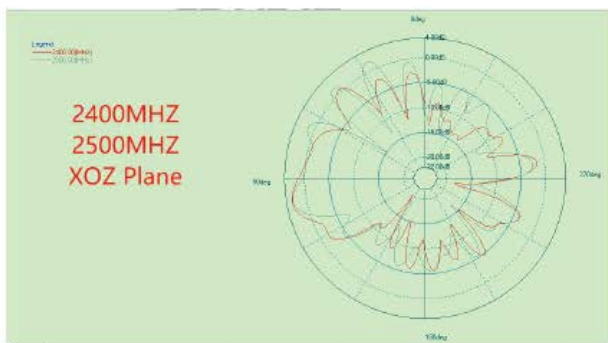
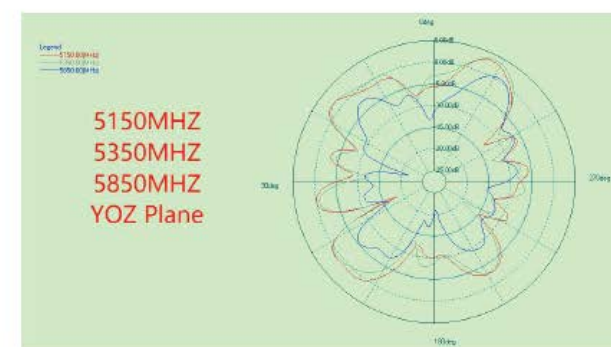
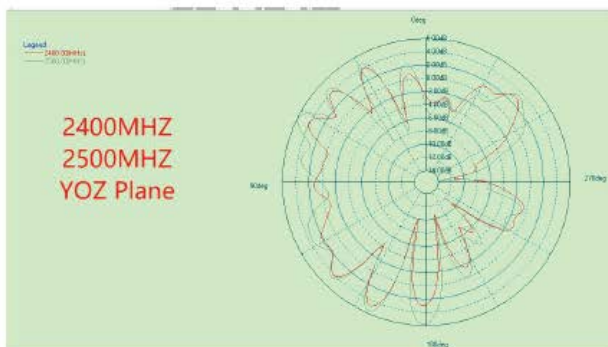
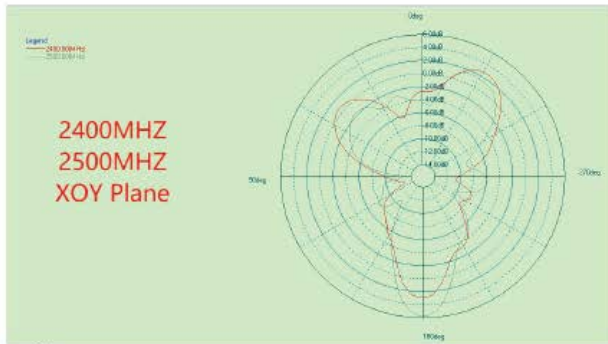


Efficiency

Frequency	Efficiency	Efficiency (%)	E Total.
2400MHz	-2.70	53.68	5.81
2425MHz	-2.83	52.15	6.27
2450MHz	-2.91	51.13	6.10
2475MHz	-3.04	49.66	6.62
2500MHz	-3.14	48.58	6.66
平均	-2.92	51.04	6.29
5150MHz	-3.75	42.16	3.34
5175MHz	-3.53	44.31	3.09
5200MHz	-3.83	41.38	3.11
5225MHz	-3.76	42.09	4.15
5250MHz	-3.53	44.38	3.78
5275MHz	-3.75	42.16	4.49
5300MHz	-4.02	39.67	3.58
5325MHz	-4.07	39.21	4.39
5350MHz	-4.34	36.84	3.86
5375MHz	-4.48	35.61	4.05
5400MHz	-4.79	33.20	3.09
5425MHz	-5.09	30.96	4.02
5450MHz	-5.11	30.84	3.05
5475MHz	-4.86	32.69	4.27
5500MHz	-4.98	31.74	3.39
5525MHz	-4.88	32.52	2.52
5550MHz	-4.40	36.33	3.22
5575MHz	-4.14	38.59	2.88
5600MHz	-4.07	39.21	2.86
5625MHz	-4.20	38.06	3.21
5650MHz	-4.25	37.61	1.56
5675MHz	-4.18	38.22	1.84
5700MHz	-4.36	36.66	0.62
5725MHz	-4.48	35.67	0.78
5750MHz	-4.40	36.29	1.18
5775MHz	-4.37	36.55	0.64
5800MHz	-4.13	38.68	0.99
5825MHz	-4.15	38.43	0.46
5850MHz	-3.97	40.13	0.65
平均	-4.27	37.59	2.73



2D





3D

2400MHZ

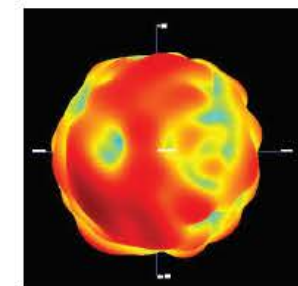
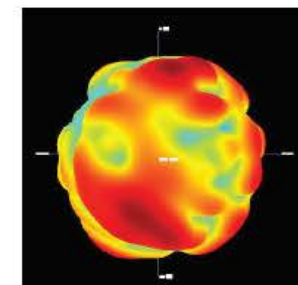
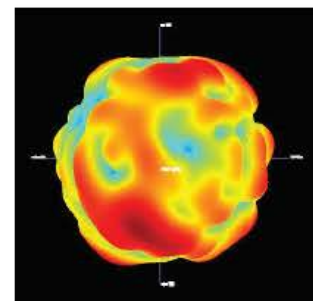
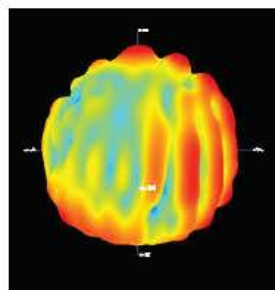
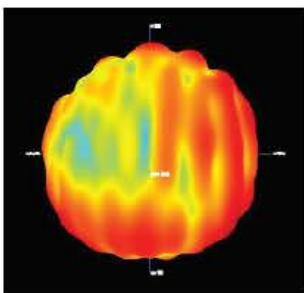
2500MHZ

5150MHZ

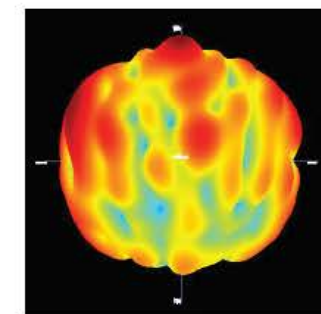
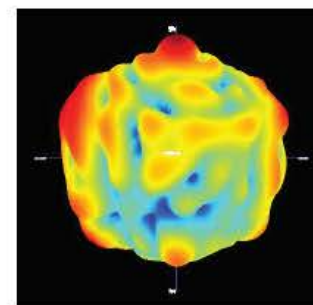
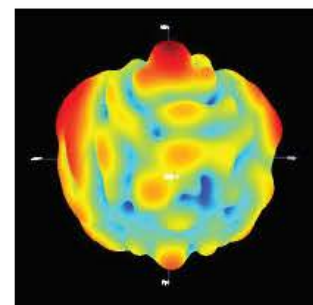
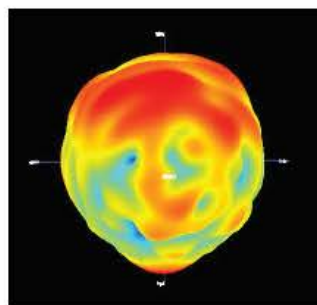
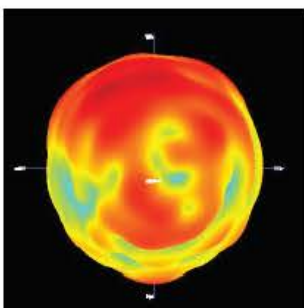
5350MHZ

5850MHZ

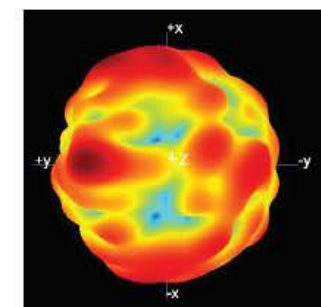
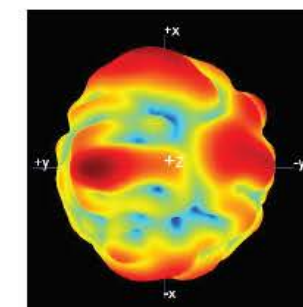
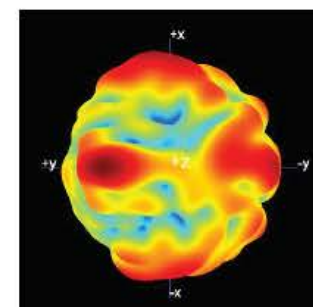
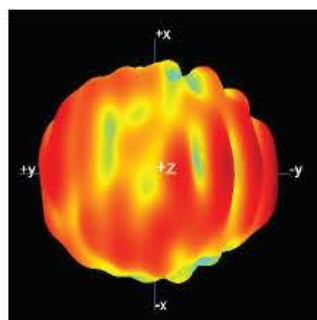
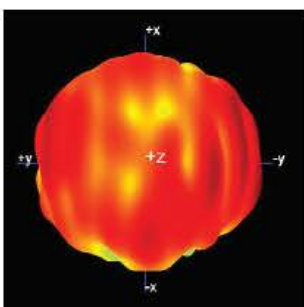
+X



+y



+Z





Thanks!

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