



Antenna Test Report

Customer : JIUYEE

Project :

Product : Bluetooth Antenna

Date 20221202



Antenna Test Report

Test Setup for Radiation Pattern Measurement

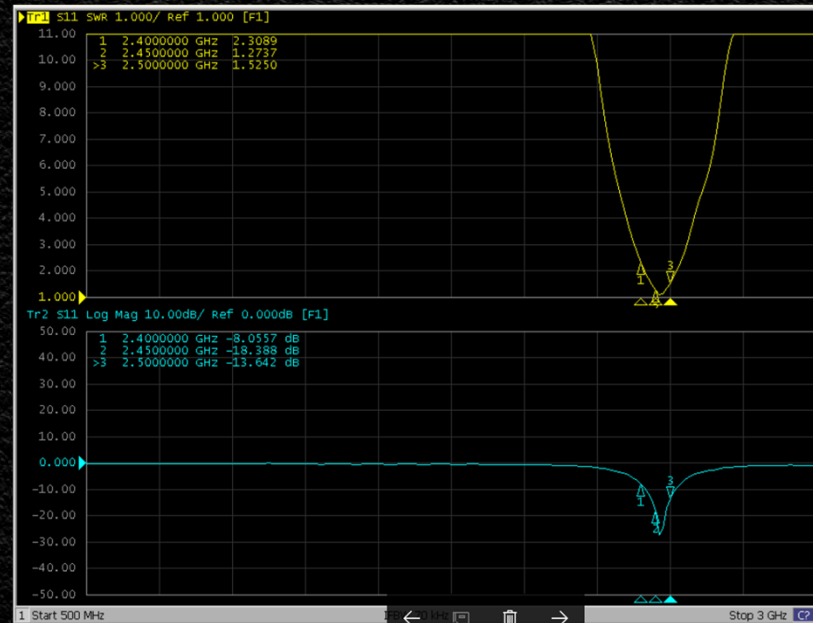


Equipment	Brand	Module Type
Network Analyzer	keysight	5071c (100K-8.5G)
Signal Generator	R&S	CMW500
Signal Generator	Agilent	E4438C
3D Anechoic chamber	General Test	RayZone 2800



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VSWR Results

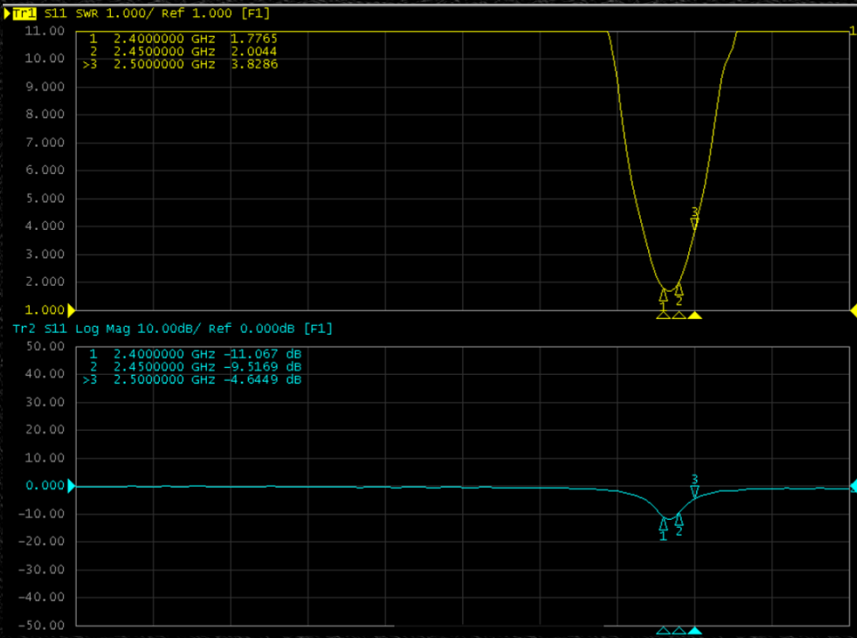


	Frequency (MHz)	2400	2450	2500
L	VSWR	2.3	1.2	1.5



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VSWR Results



	Frequency (MHz)	2400	2450	2500
R	VSWR	1.7	2.0	3.8



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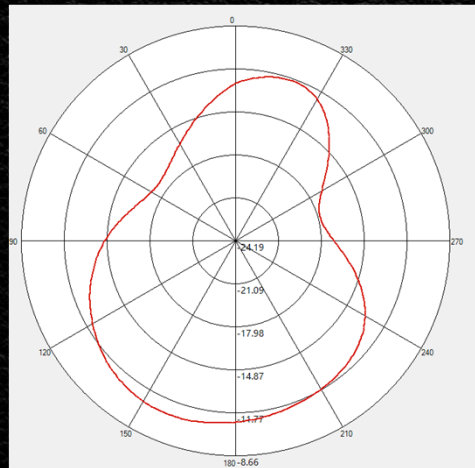
2D Radiation Pattern Results

L @ 2450MHz

XZ-plane

Z

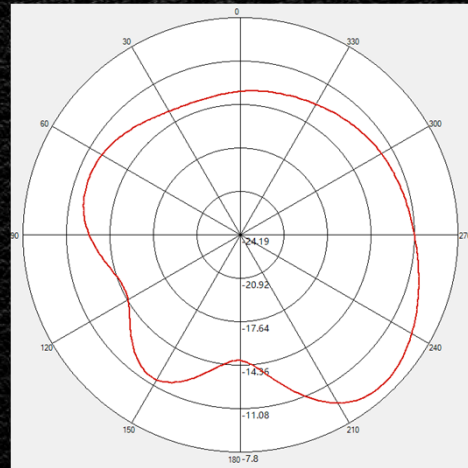
X



YZ-plane

Z

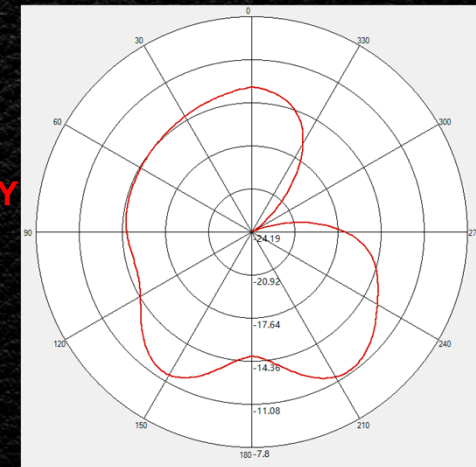
Y



XY-plane

X

Y



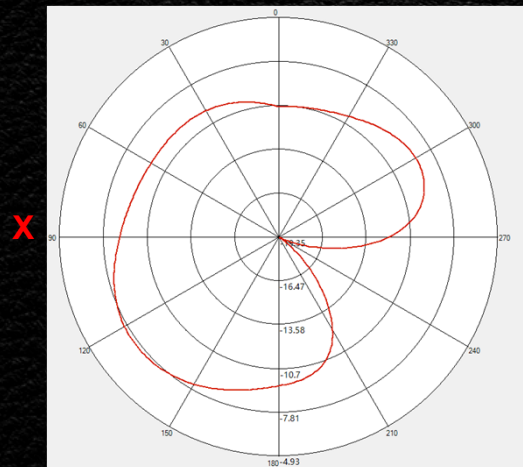


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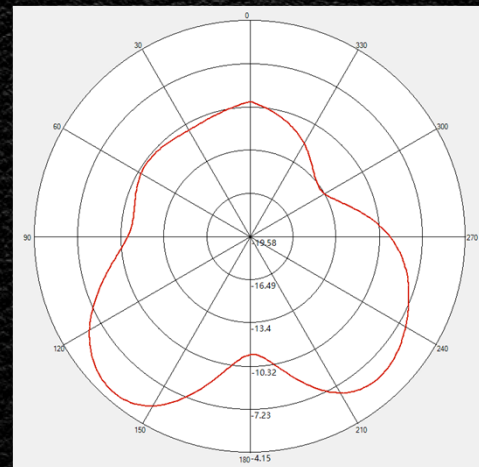
2D Radiation Pattern Results

R @ 2450MHz

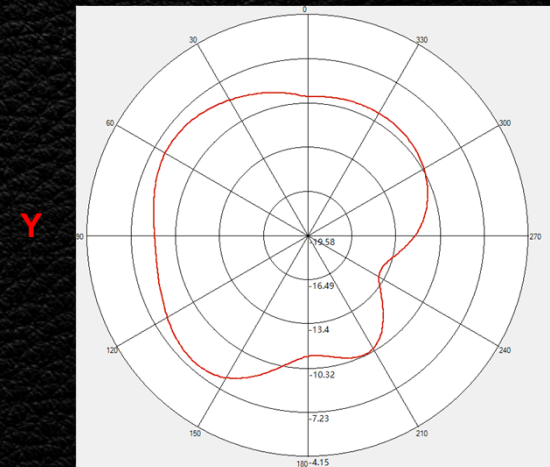
XZ-plane
Z



YZ-plane
Z



XY-plane
X



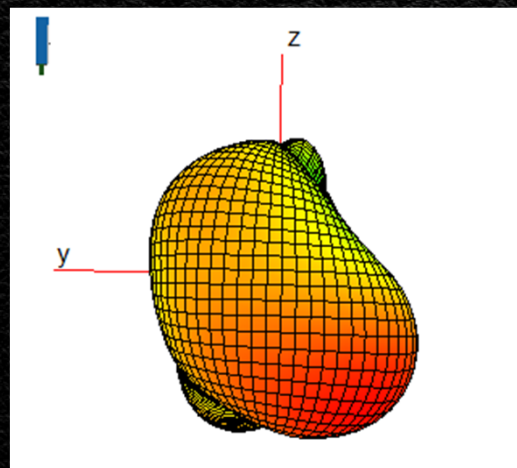


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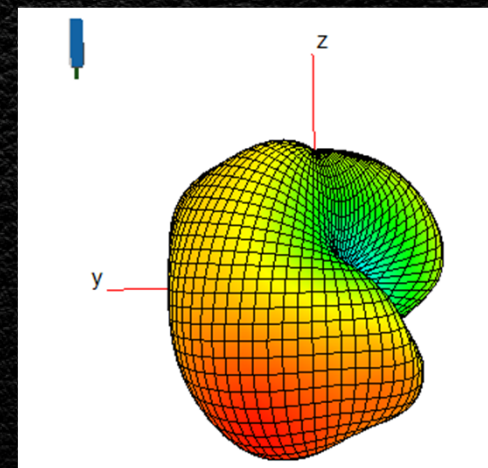
3D Radiation Pattern Results

L & R @2450MHz

L



R





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Results Summary

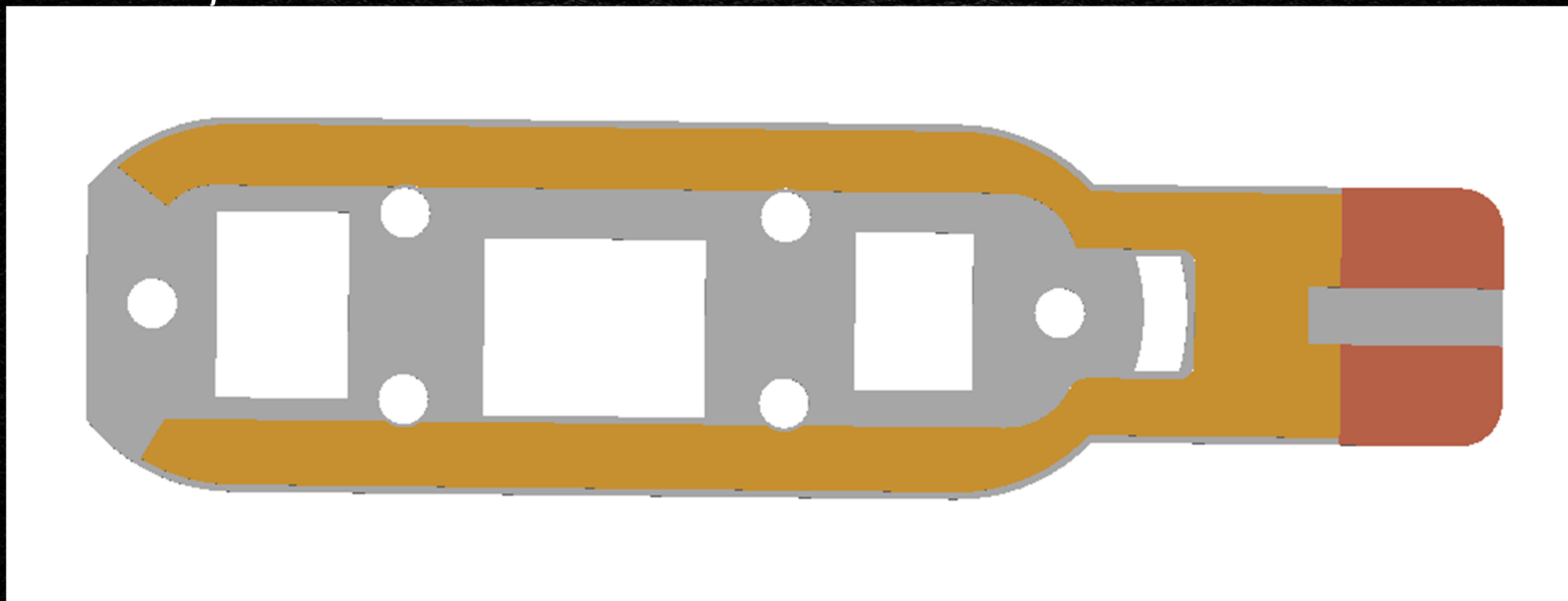
Gain & Efficiency (with head)

Frequency (MHz)	R		L	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-4.67	22.55	-4.54	21.66
2410	-4.68	22.72	-4.25	21.72
2420	-4.56	23.06	-4.63	21.91
2430	-4.53	23.45	-4.61	22.23
2440	-4.43	23.53	-4.69	22.21
2450	-4.31	23.7	-4.52	22.3
2460	-4.35	23.65	-4.81	22.27
2470	-4.42	23.47	-4.94	22.11
2480	-4.57	23.51	-5.05	22.14
2490	-4.87	23.54	-5.01	22.22
2500	-4.79	22.85	-5.13	21.59



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ANT picture



R

L



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THANK YOU !

