



Antenna

Customer : **Xiaomi**

Manufacturer: **Shenzhen Hilintech Technology Co., Ltd**

Brand: **Hilintech**

Add **Building A, Room 101, Taohuayuan Hi-Tech Park,
Xixiang Street, Baoan District, Shenzhen,
Guangdong, P.R.C.**

Project : **P79A**

Antenna type **FPC Antenna**

Product : **Bluetooth Antenna**

Date: **2024/07/30**



Antenna Specifications

Test Setup for Radiation Pattern Measurement

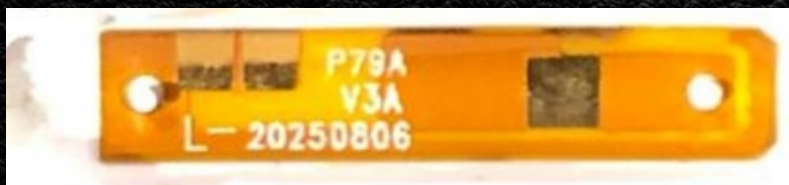


Equipment	Brand	Module Type
Network Analyzer	keysight	5071c (100K-8.5G)
Signal Generator	R&S	CMW500
Signal Generator	Agilent	E4438C
3D Anechoic chamber	General Test	RayZone 2800

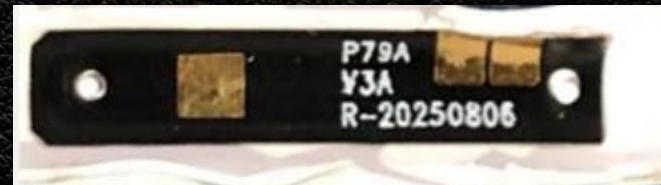


Antenna Specifications

ANT picture



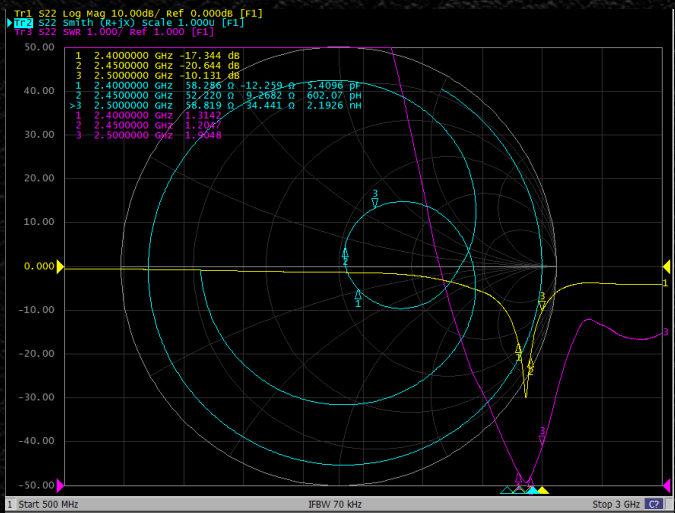
L



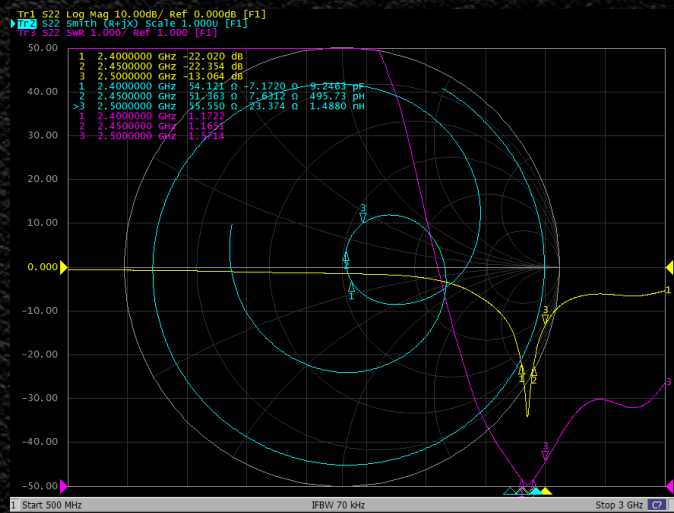
R



Antenna Specifications



L



R

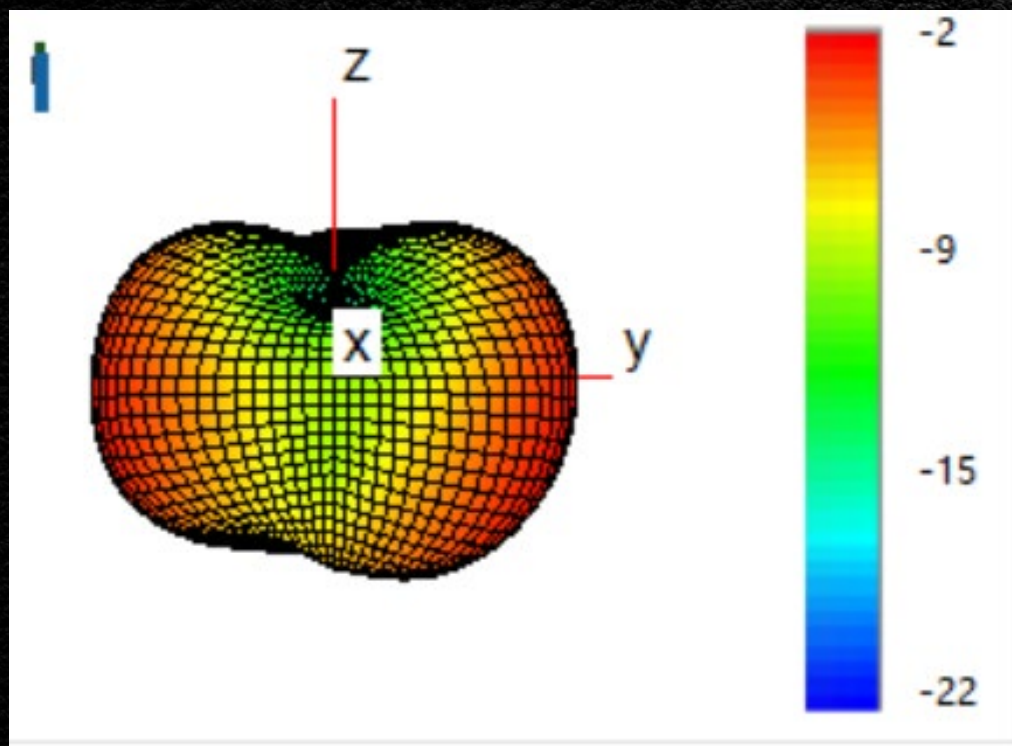


Antenna Specifications

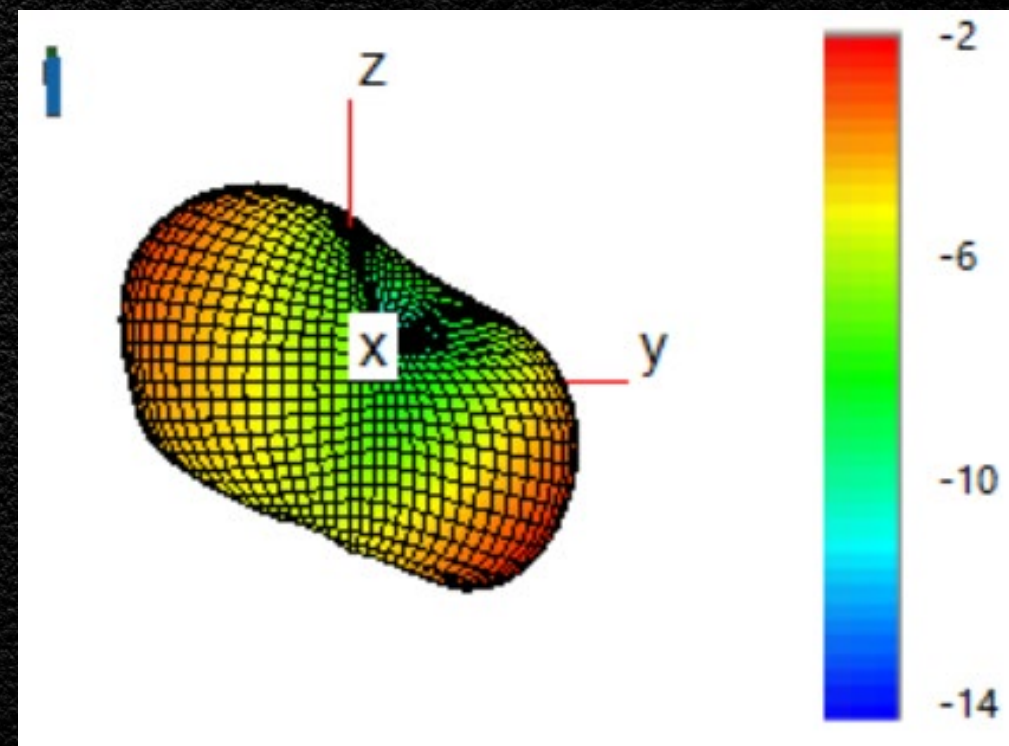
3D Radiation Pattern Results

L&R @2450MHz (Free Space)

L



R





Antenna Specifications

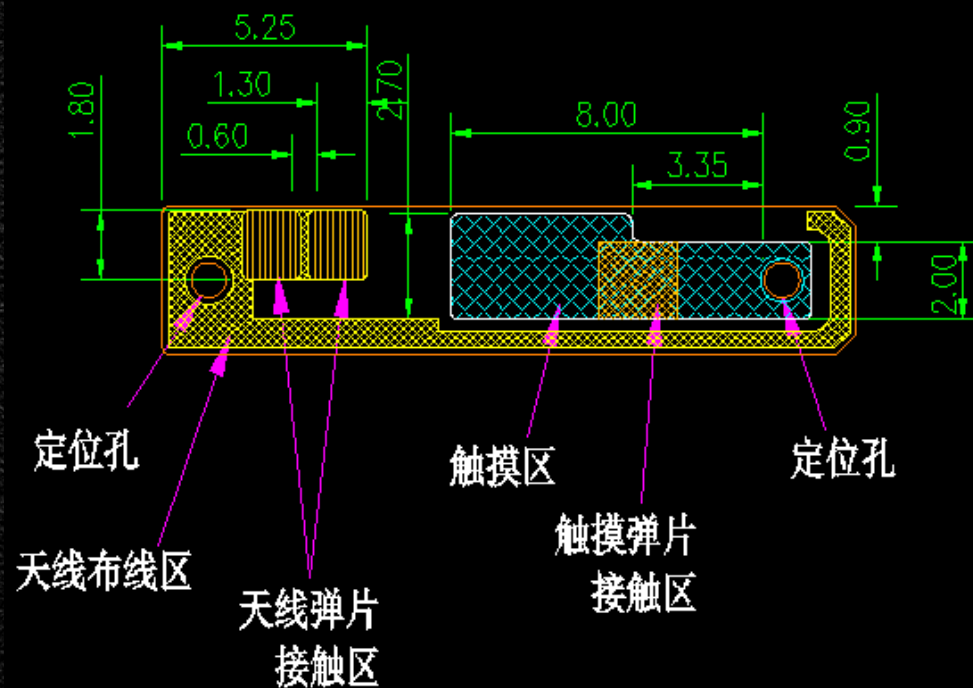
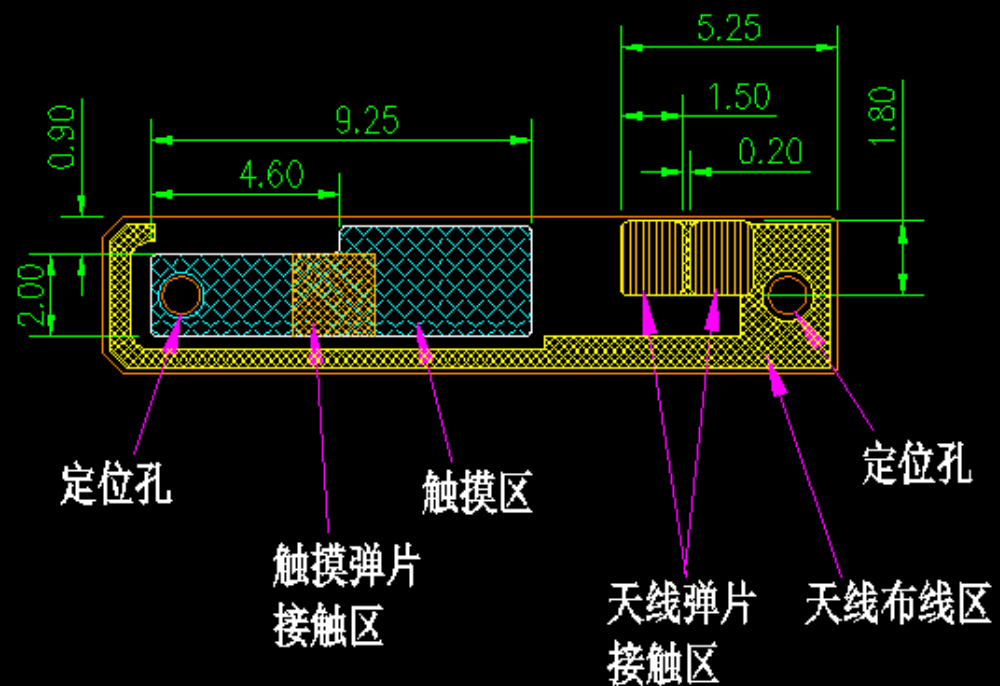
Results Summary

Frequency (MHz)	L-BH		R-BH	
	Efficiency(%)	Gain(dBi)	Efficiency(%)	Gain(dBi)
2400	-12.03	-6.36	-10.93	-5.29
2410	-11.91	-6.18	-11.01	-5.32
2420	-11.78	-6.07	-11.06	-5.38
2430	-11.68	-5.93	-11.15	-5.47
2440	-11.54	-5.77	-11.24	-5.55
2450	-11.44	-5.64	-11.3	-5.66
2460	-11.41	-5.61	-11.43	-5.8
2470	-11.44	-5.55	-11.57	-5.96
2480	-11.43	-5.51	-11.63	-6.1
2490	-11.42	-5.43	-11.7	-6.2
2500	-11.51	-5.49	-11.89	-6.37



Antenna Specifications

ANT Size





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THANK YOU !

