
Antenna SPEC

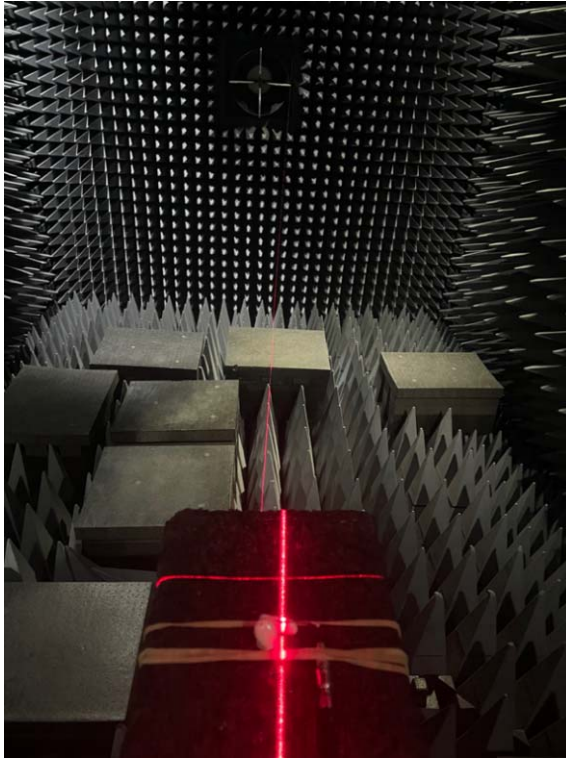
PART NAME	R-antenna finished
FREQUENCY	2.4GHz

Manufacturer: Dongguan Boyongkai Electronic

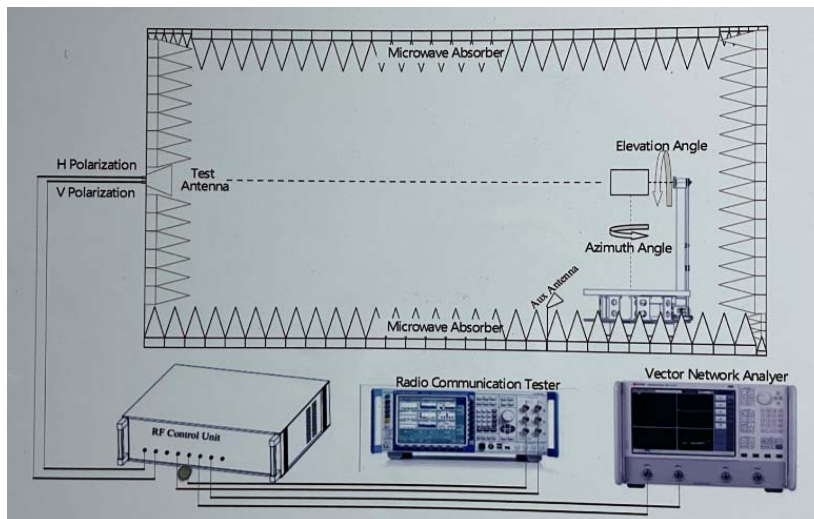
Technology Co., LTD

Address: Fenghuang East Road, Shajiao Community, Humen
Town, Dongguan

1. Test setup photo



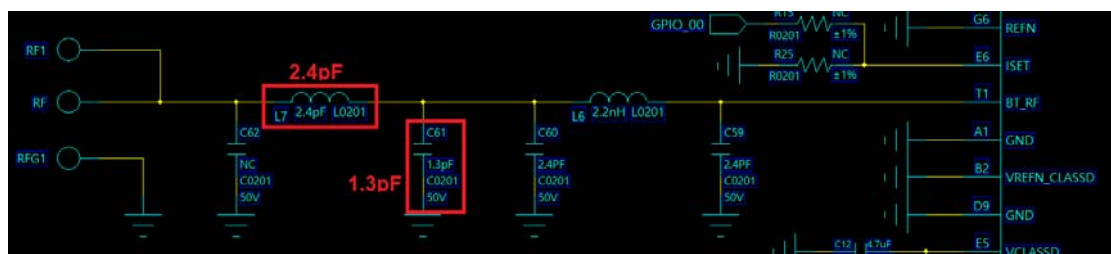
2. Test configuration diagram



3.Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Aanalyzer	Agilent	E5071C	MY46630767	2023.4.27	2024.4.26
Microwave chamber	GTS	GTS Maxsign-Dart7000		2023.4.27	2024.4.26
Turn table	GTS	Dart-700 turn table		2023.4.27	2024.4.26
turn table controller	GTS	Dart-700 turn table controller		2023.4.27	2024.4.26
Broad-Band Horn Antenna	GTS	AT-6000	MA-D0460	2023.4.27	2024.4.26
Test Software	GTS	Libra Version-3.0.3.1		2023.4.27	2024.4.26

4.Antenna Matching circuit

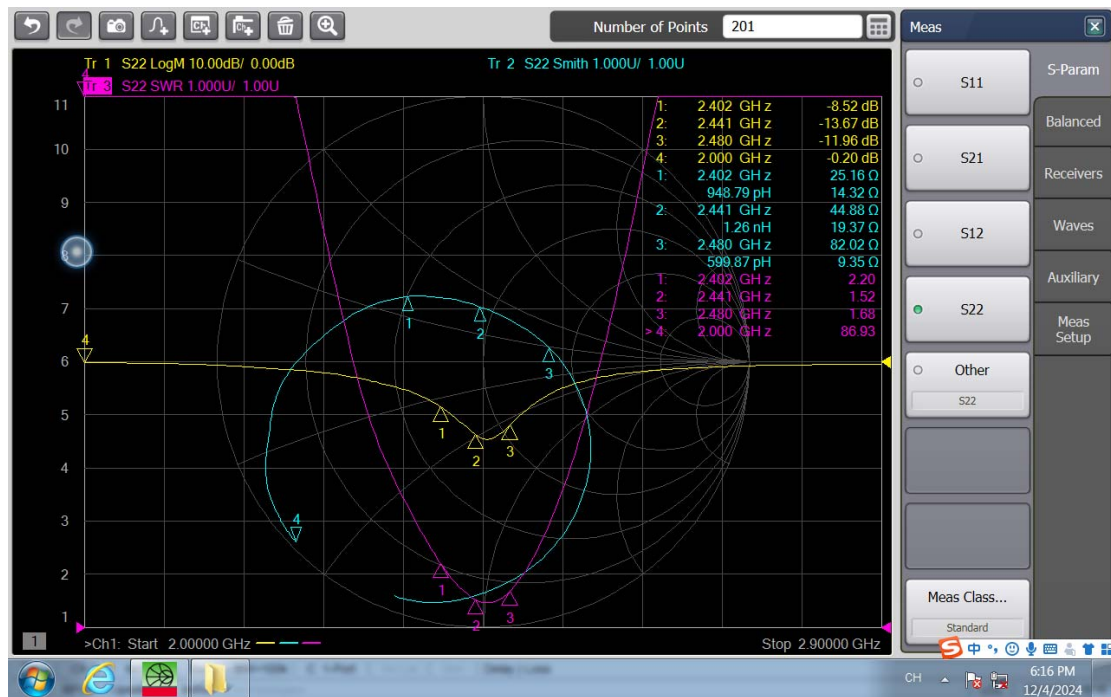


5. Antenna Performance

R-FreeSpace				
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)	
2400	-2.12	-7.85	16.42	
2410	-1.93	-7.70	16.97	
2420	-1.86	-7.59	17.44	
2430	-2.01	-7.53	17.65	
2440	-2.01	-7.43	18.09	
2450	-2.27	-7.43	18.07	
2460	-2.46	-7.33	18.49	
2470	-2.59	-7.18	19.15	
2480	-2.74	-6.99	20.01	

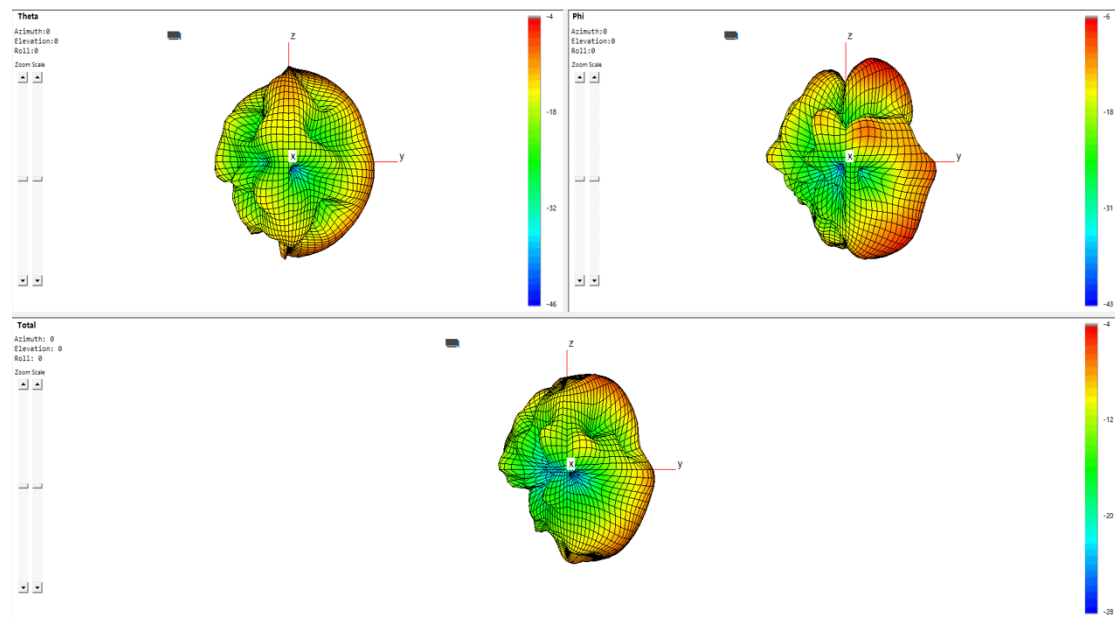
R-Freespace		
Channel	TRP(dBm)	TIS (dBm)
0	6.66	-80.96
39	7.20	-87.56
78	7.81	-88.04

6. Antenna S11



7. Radiation Pattern

2440mhz



2440mhz

