

Manufacturer: Shenzhen KEP Technology CO., Ltd
Manufacturer add.: No. 109, Reservoir Road, Fenghuanggang
Community, Xixiang Street, Baoan District, Shenzhen, China
Model No.: T0

Antenna Specification

Innovation never end.....

Customer	Version	Engineer	Date
		Zhou YU	June 5, 2024

Outline Summary

● Purpose

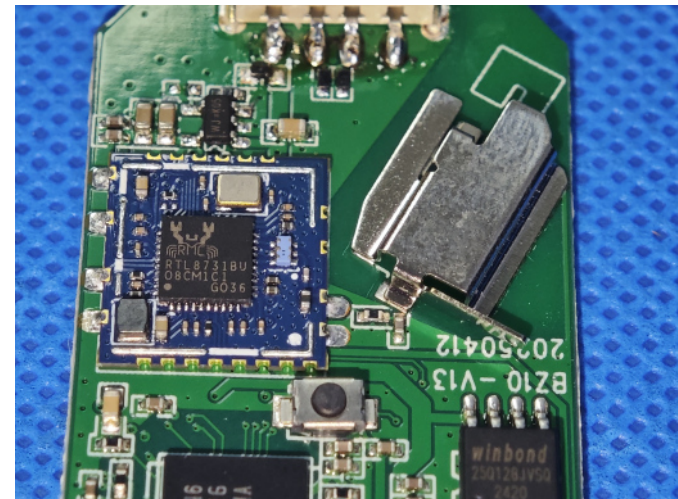
2.4G antenna test. Result as following.

● Agenda

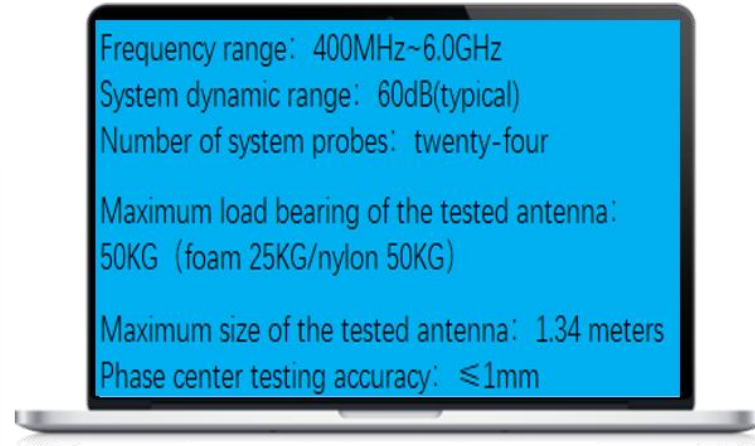
- Test Environment and Equipment
- Antenna Positions
- Test Result : Gain&Efficiency
- Test Result : 3D Radiation Pattern

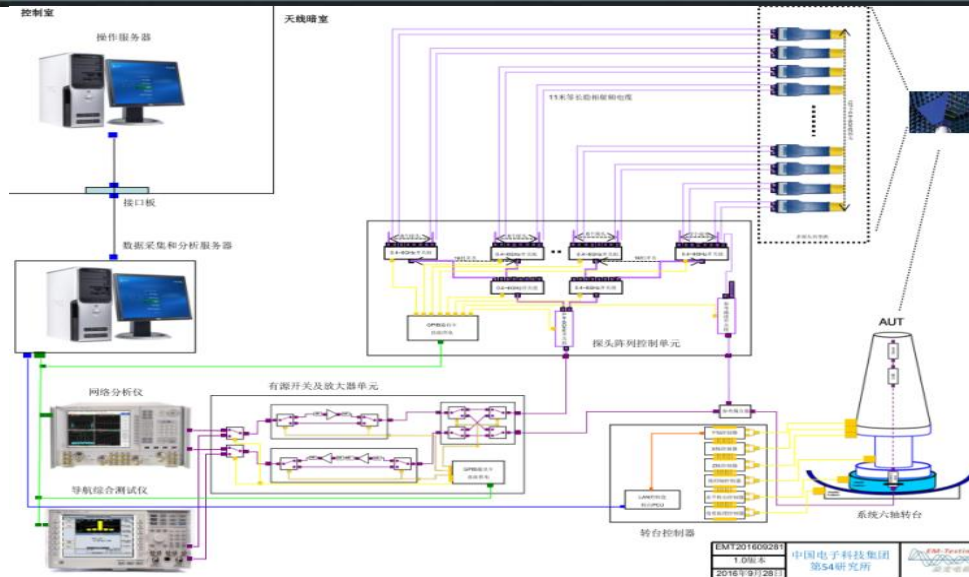
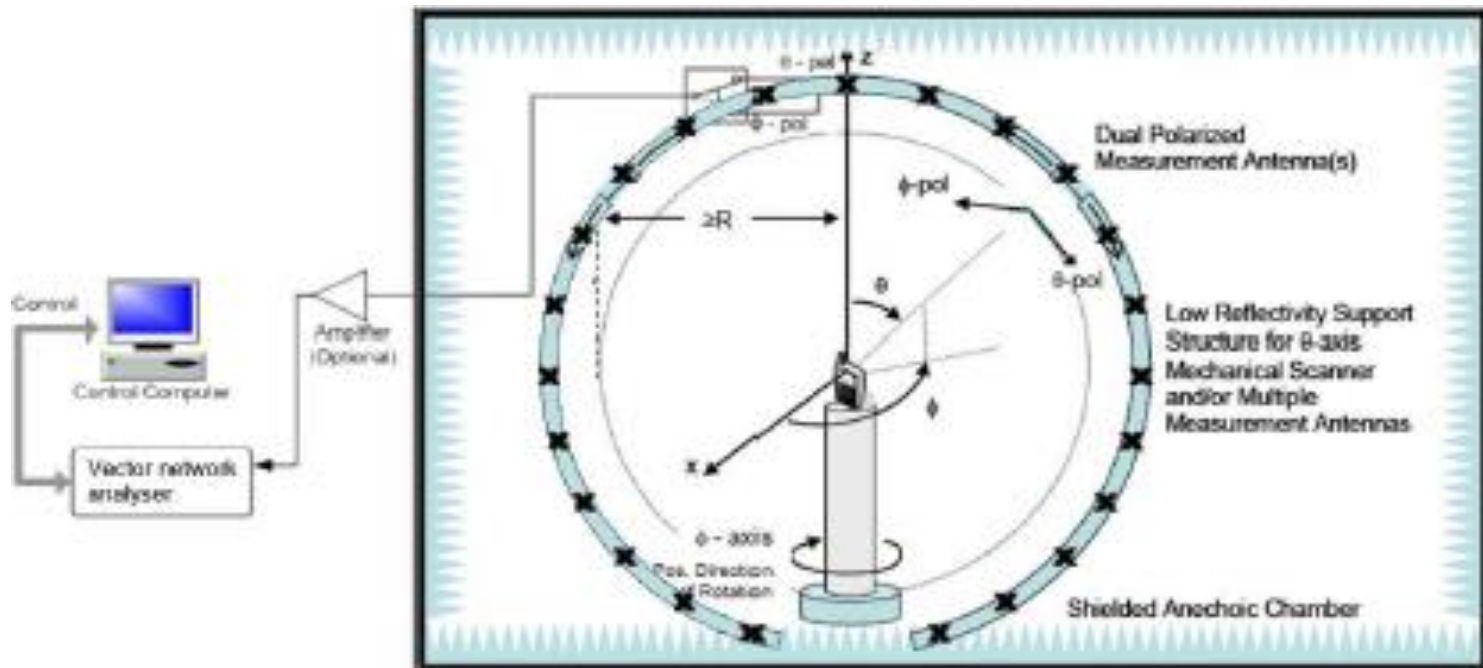
● Result & Suggestions

Antenna



Testing Software: EM-Testing





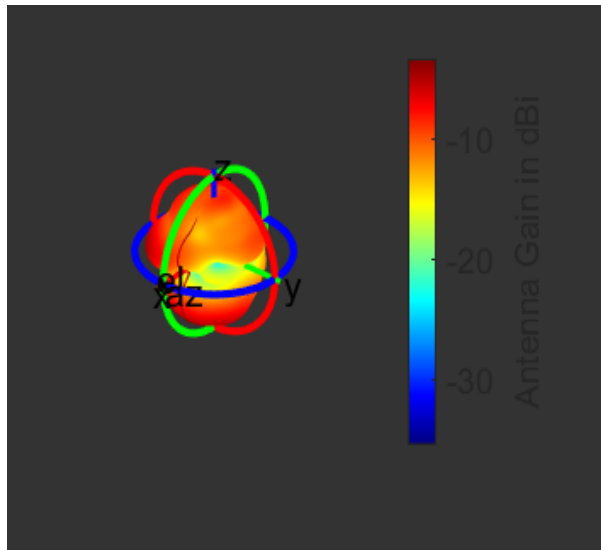
Summary of test data

Frequency/ Mhz	Efficiency / dB	Efficiency / %	MaxGain/dB i	Frequency/ Mhz	Efficiency / dB	Efficiency / %	MaxGain/dB i
2400	-3.52	44.46	1.26	5450	-9.18	12.08	-3.58
2420	-3.35	46.24	1.58	5470	-9.17	12.11	-3.55
2440	-3.18	48.08	1.95	5490	-9.32	11.69	-3.75
2460	-3.18	48.08	2.04	5510	-9.78	10.52	-4.32
2480	-2.98	50.35	2.22	5530	-9.92	10.19	-4.63
2500	-3.1	48.98	2.15	5550	-10.09	9.79	-4.83
5150	-9.7	10.72	-3.53	5570	-10.49	8.93	-5.3
5170	-9.39	11.51	-3.14	5590	-10.43	9.06	-5.29
5190	-9.15	12.16	-2.88	5610	-10.84	8.24	-5.83
5210	-9.16	12.13	-2.86	5630	-11.1	7.76	-6.11
5230	-8.91	12.85	-2.63	5650	-11.38	7.28	-6.41
5250	-8.5	14.13	-2.34	5670	-11.53	7.03	-6.58
5270	-8.61	13.77	-2.52	5690	-12.19	6.04	-7.27
5290	-8.39	14.49	-2.37	5710	-12.5	5.62	-7.58
5310	-8.23	15.03	-2.2	5730	-12.65	5.43	-7.74
5330	-8.32	14.72	-2.27	5750	-13.07	4.93	-8.19
5350	-8.22	15.07	-2.17	5770	-13.14	4.85	-8.26
5370	-8.4	14.45	-2.44	5790	-13.38	4.59	-8.52
5390	-8.44	14.32	-2.66	5810	-13.96	4.02	-9.11
5410	-8.58	13.87	-2.91	5830	-14.11	3.88	-9.45
5430	-8.68	13.55	-3.08	5850	-13.96	4.02	-9.46

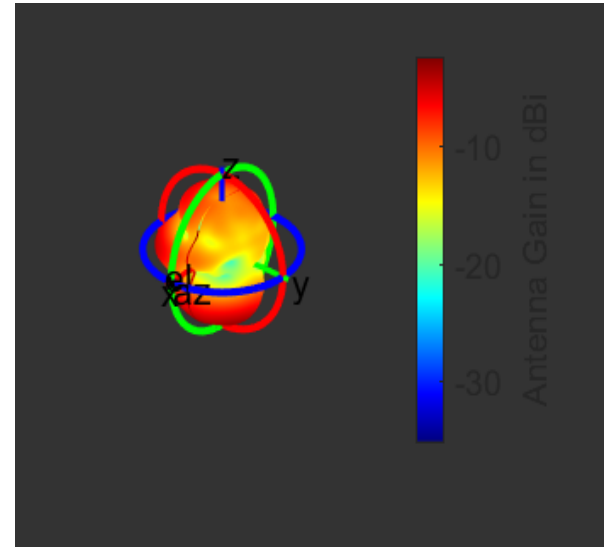
Diagram



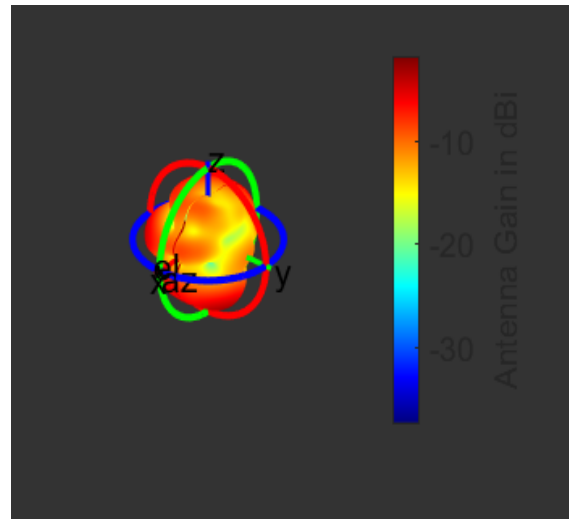
3D Pattern



2450



5150



5850



Thanks for cooperation!