

2. 4G Antenna reporter

Innovation never end.....

Customer	Version	Engineer	Date
		Zhou Kun	October 6, 2023

Outline Summary

• Purpose

2.4G antenna test. Result as following.

• Agenda

- Test Environment and Equipment
- Antenna Positions

Test Result : Gain&Efficiency

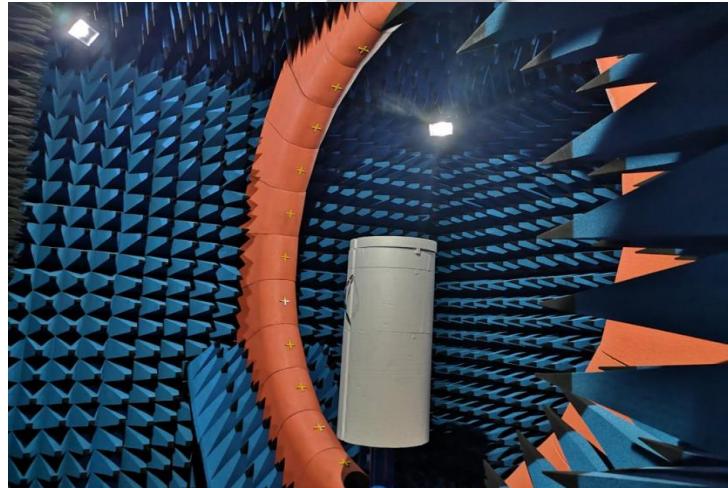
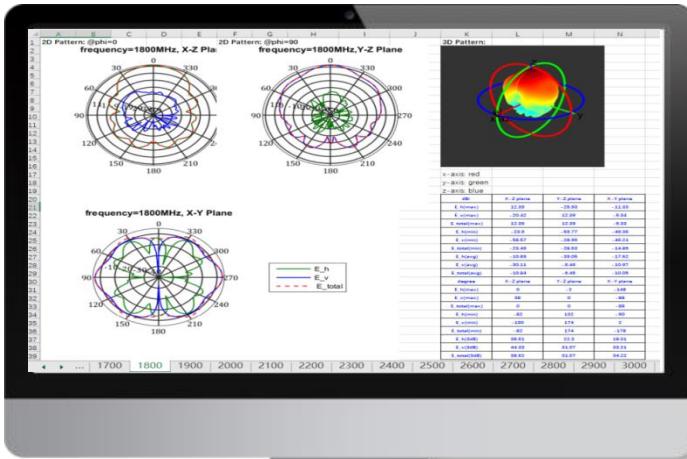
Test Result : 3D Radiation Pattern

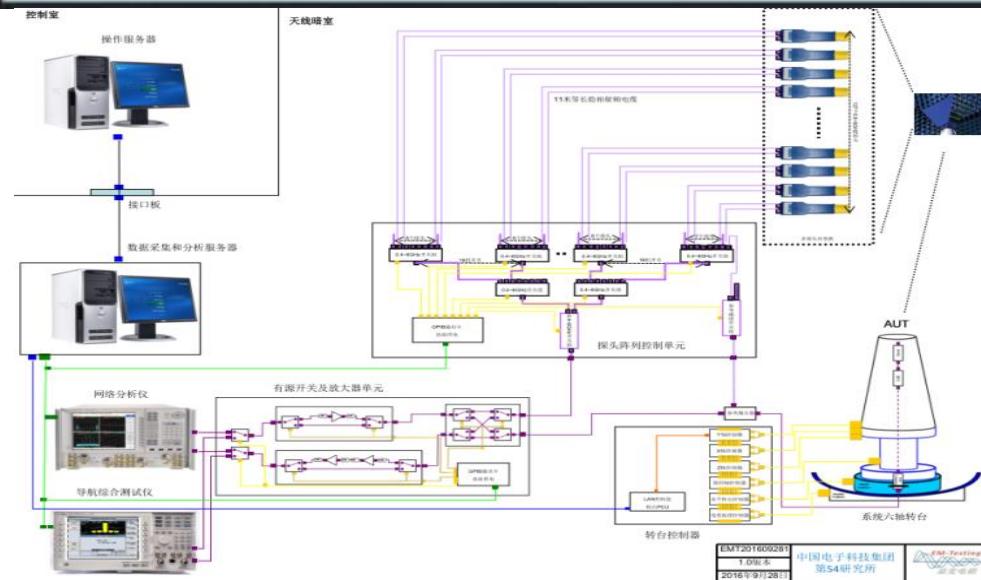
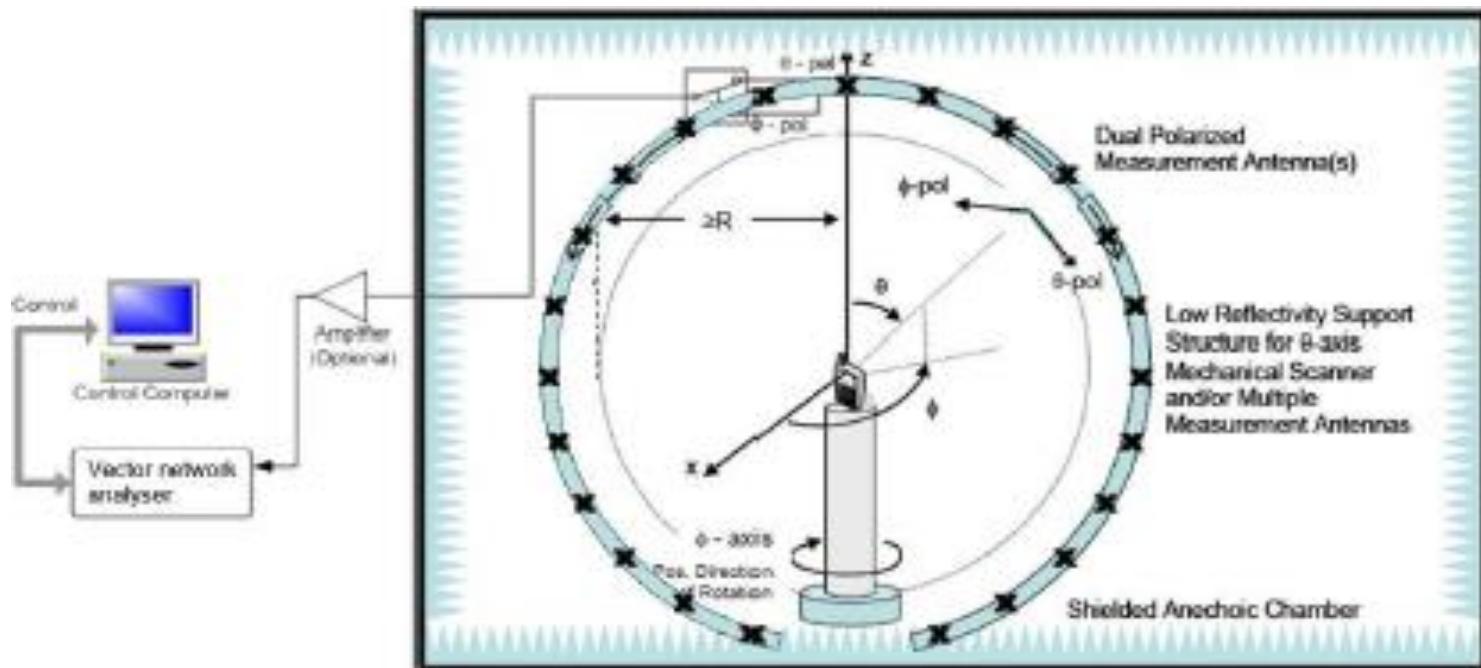
• Result & Suggestions

Test Environment and Equipments

Equipment : EMT-24 Multiple Probe Ball Surface Field System

Testing Software: EM-Testing

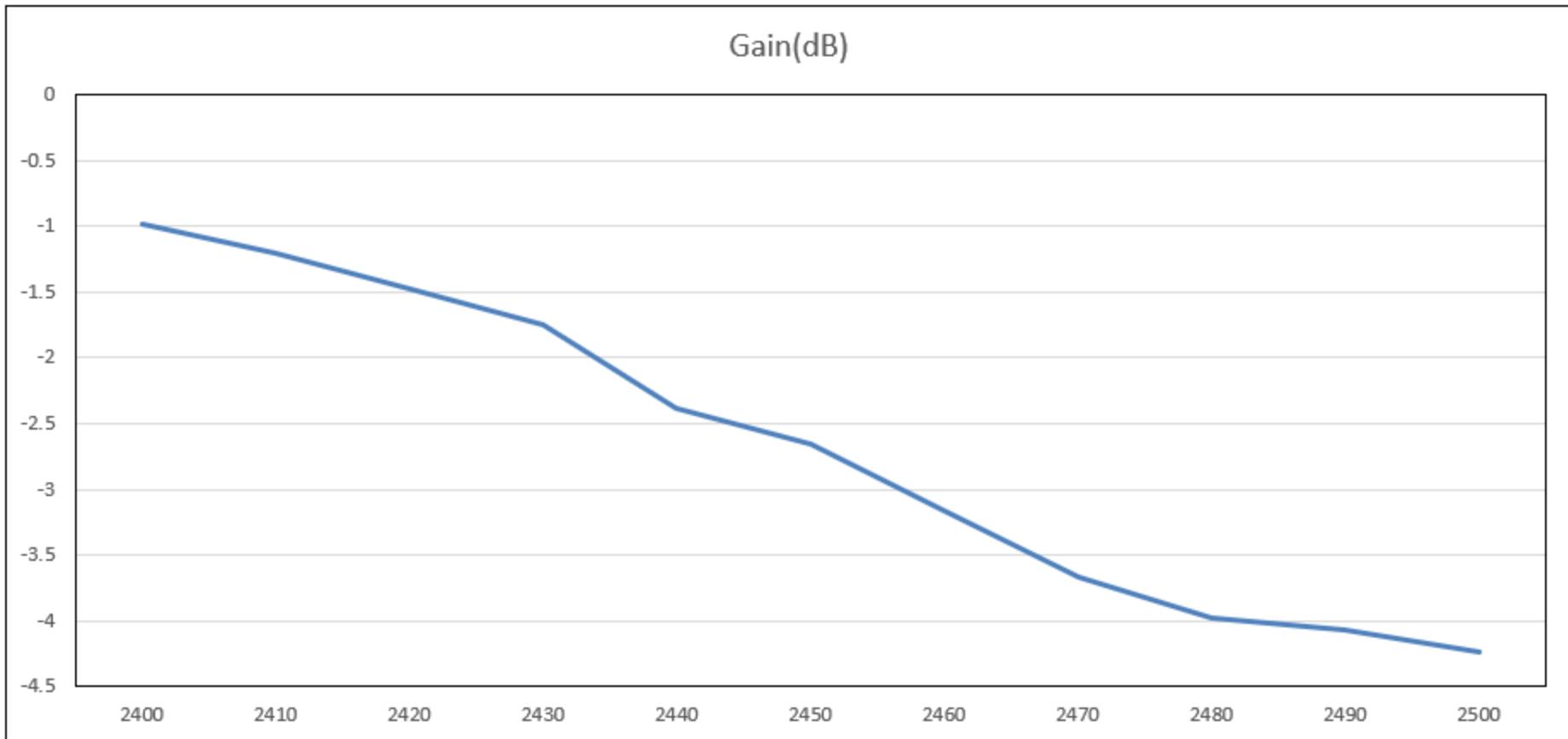




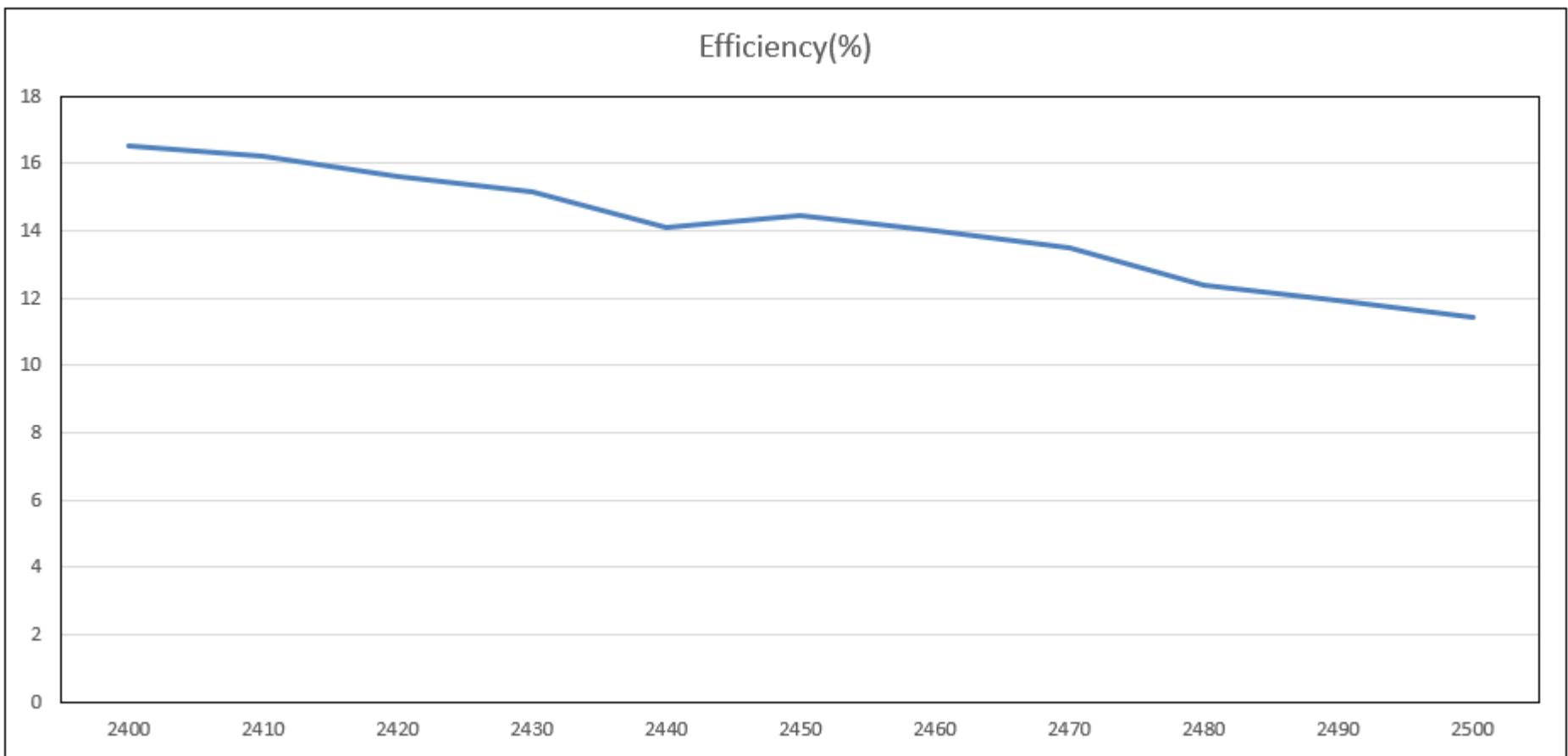
Summary of test data

Frequency (MHz)	Directivity(dB)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	6. 8394	-0. 9856	-7. 825	16. 5007
2410	6. 6965	-1. 2083	-7. 9048	16. 2
2420	6. 5796	-1. 4825	-8. 0622	15. 6237
2430	6. 4438	-1. 7458	-8. 1896	15. 1719
2440	6. 137	-2. 3786	-8. 5156	14. 0748
2450	5. 7582	-2. 6505	-8. 4087	14. 4254
2460	5. 3837	-3. 1573	-8. 541	13. 9926
2470	5. 0441	-3. 6606	-8. 7046	13. 4752
2480	5. 1008	-3. 974	-9. 0748	12. 3742
2490	5. 1662	-4. 0732	-9. 2394	11. 9141
2500	5. 1947	-4. 2332	-9. 4279	11. 4079

Gain Data



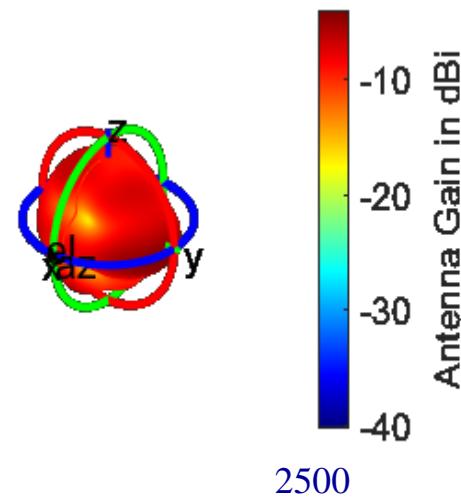
Efficiency Data



3D Pattern



2400



2450



Thanks for cooperation!