

Drive2&3 BT Antenna report

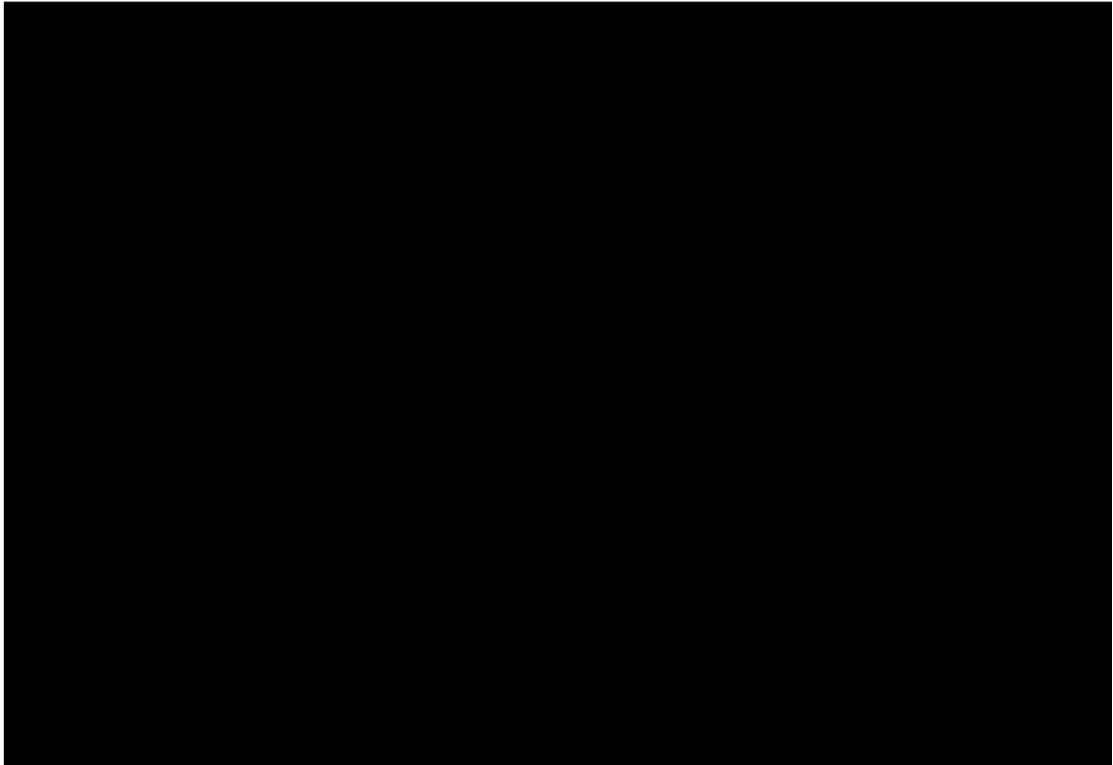
CUSTOMER(客户名称)	通力科技
CS P/N(客户机种)	Drive2
PART NAME(品名)	PCB antenna
FREQUENCY(频率)	2.4GHz
ZTX NO.(物料编号)	
MANUFACTURE(制造商)	
DATE(日期)	2025-10-31

RF CHECKED	MANAGER CHECKED
胡明	

1. Test standard

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

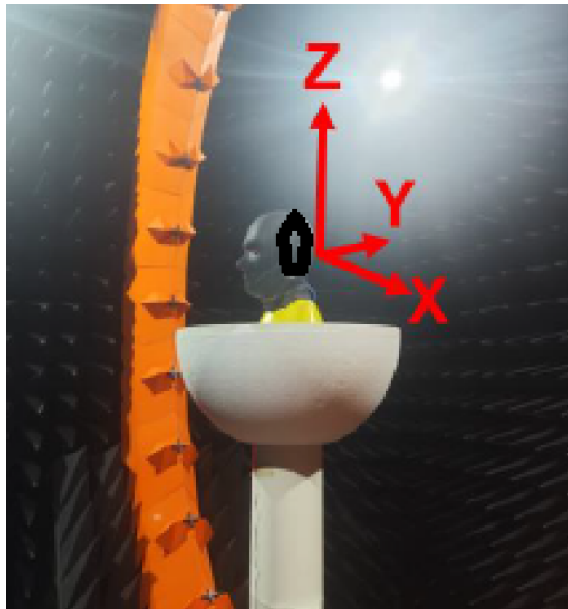
2. Antenna Size (mm)



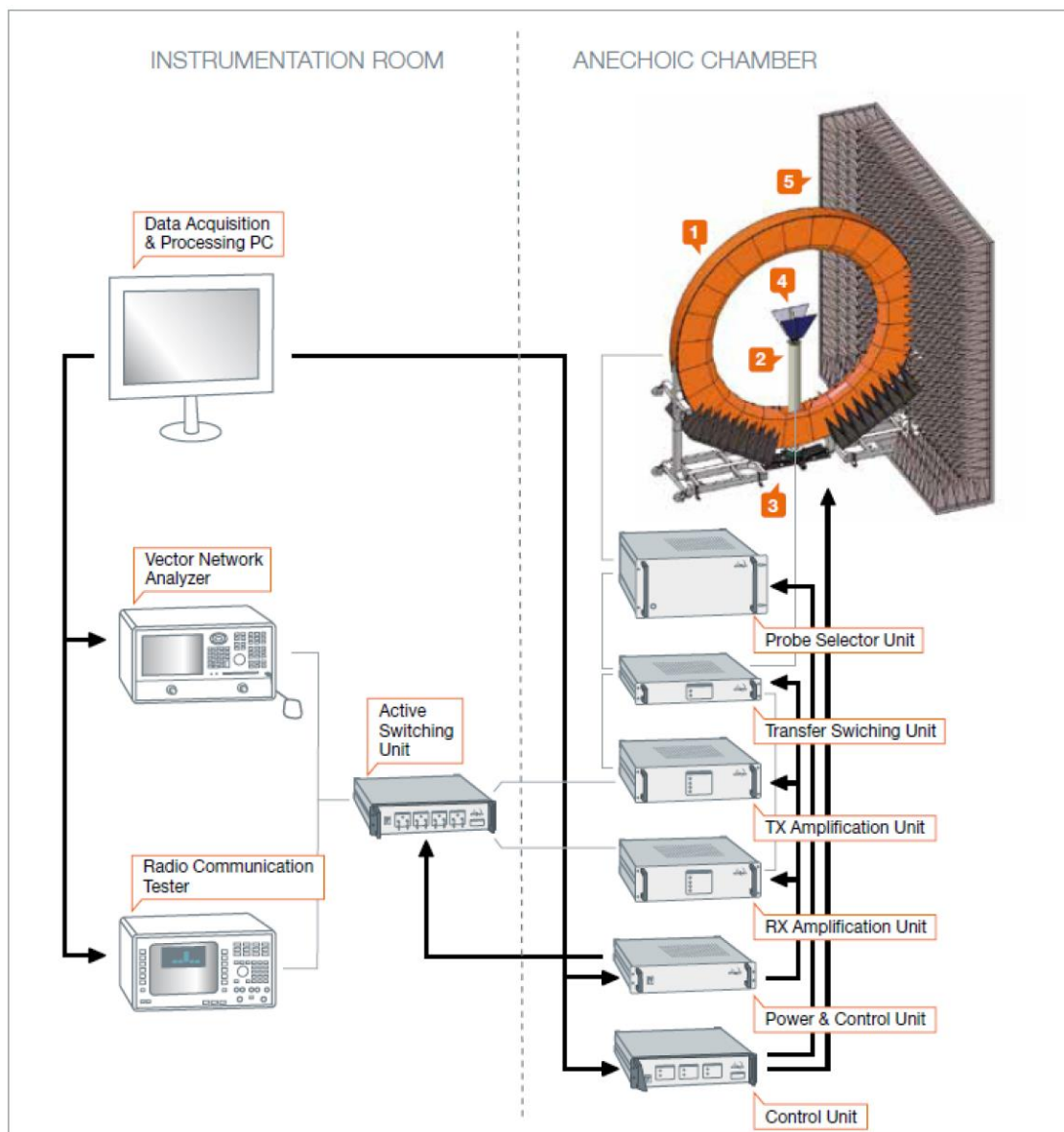
3. Antenna photo (Please refer to Antenna photos document)



4. Test setup photo (Please refer to Antenna photos document)



5. Test configuration diagram



Test step flow:

- 1) Maintain the test ambient temperature of 23 ± 2 C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;
- 3) Outline sets the test content objectives and conducts calibration tests;
- 4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

6. Antenna Performance (head model)

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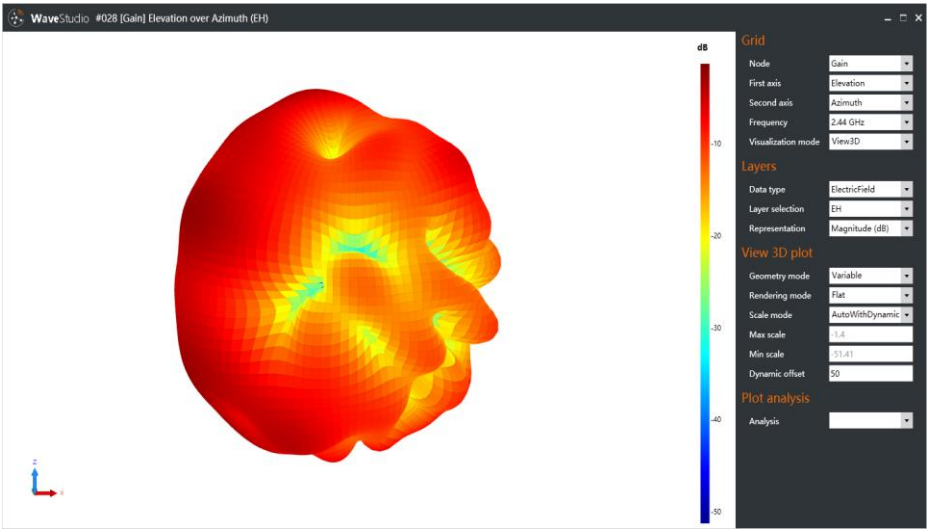
Freq (MHz)	Efficiency (%)	Gain (dBi)
2400	42.85	2.94
2410	42.76	2.92
2420	42.76	2.89
2430	43.45	2.89
2440	43.15	2.94
2450	42.85	2.89
2460	43.25	2.98
2470	42.56	2.91
2480	42.46	2.86

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Freq (MHz)	Efficiency (%)	Gain (dBi)
2400	41.30	2.84
2410	41.02	2.94
2420	41.02	2.89
2430	40.46	2.85
2440	40.74	2.83
2450	40.09	2.93
2460	40.93	2.85
2470	41.02	2.83
2480	40.83	2.87

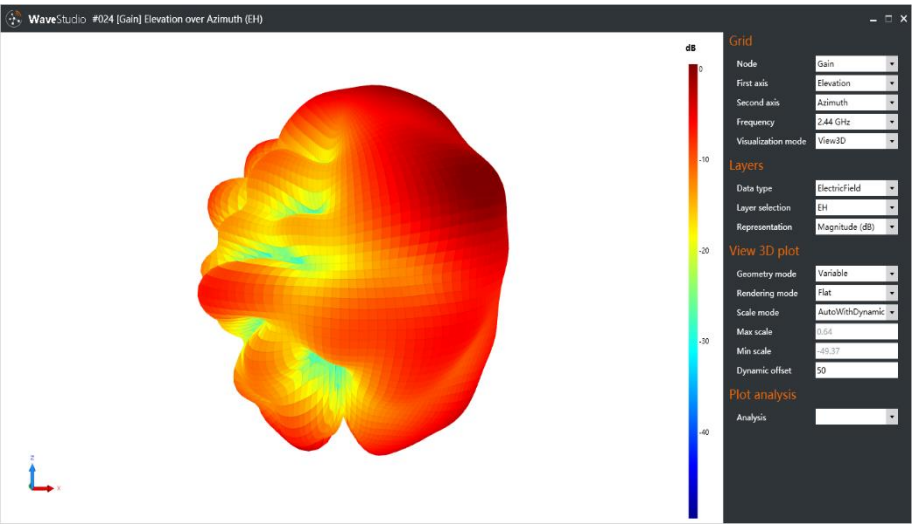
7. Antenna radiation pattern (3D)

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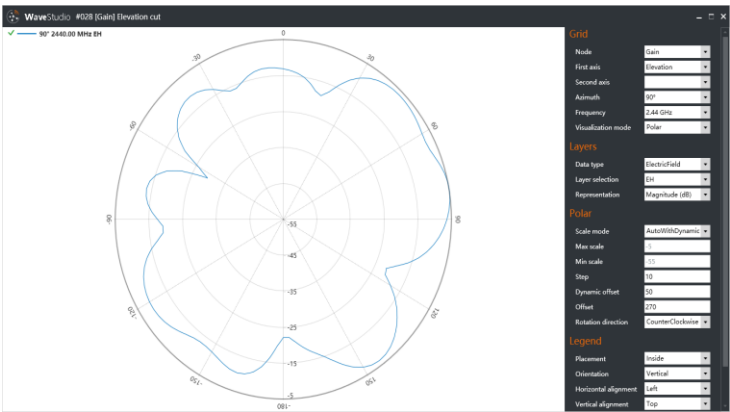
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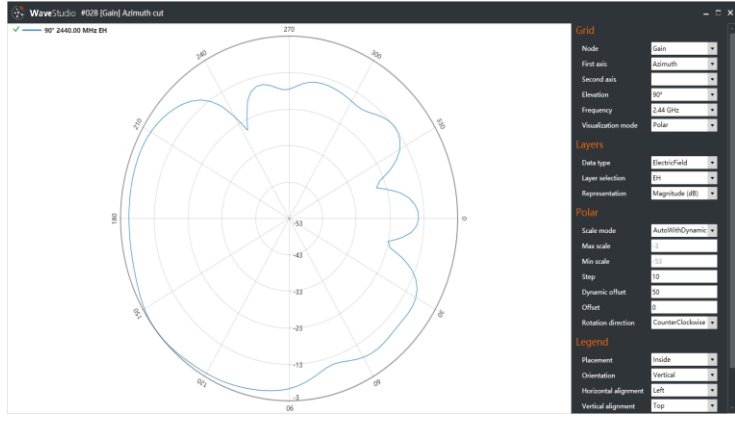
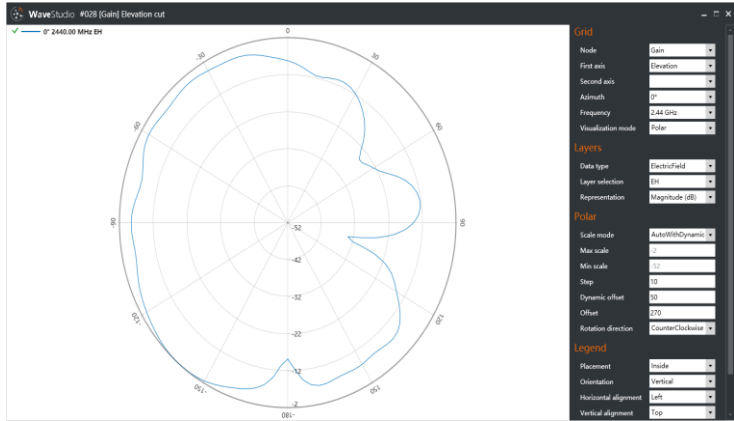
8.



Antenna radiation pattern (2D)

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