

Antenna Test Report

C2-Pro V1.0

Customer	CHUANG XIN WEI
Agent	LEI MENG
Project name	C2-Pro(Dongle)
Model. IC	JIE LI
Model. ANT	KBAN3216D245H06

JIE

2025/04/17

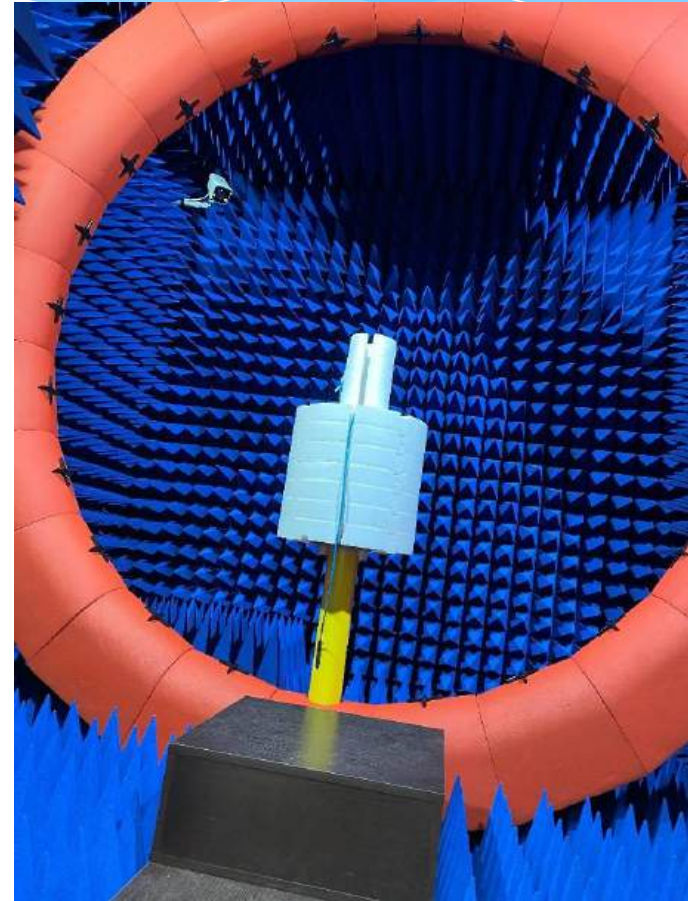
Equipment of OTA test



Network analyzer E5071C



Comprehensive tester
CMW500



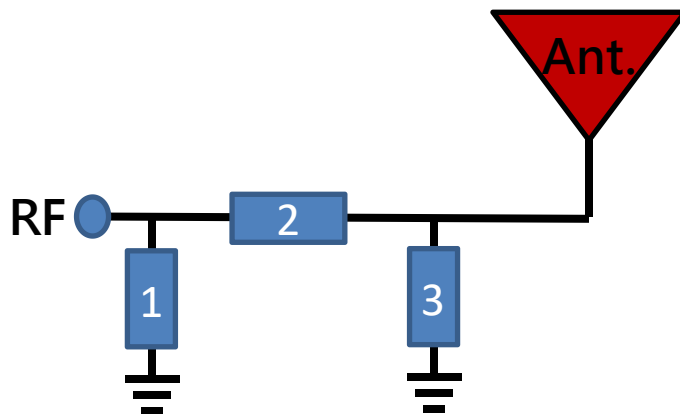
Microwave anechoic chamber FTM-24D
multi-probe

Ant. Matching

- Antenna Placement



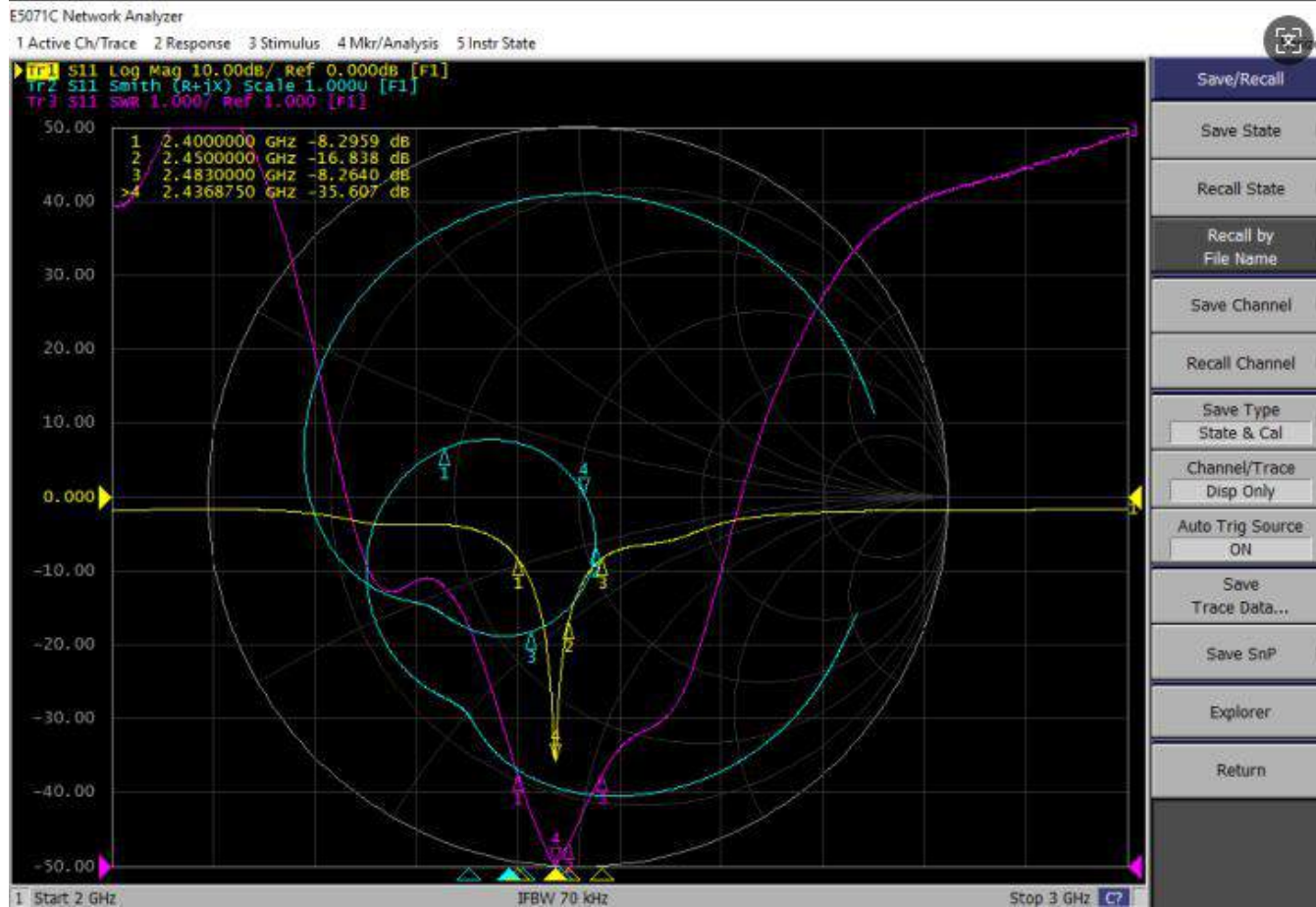
- Matching Circuit



天线净空区 :--mm

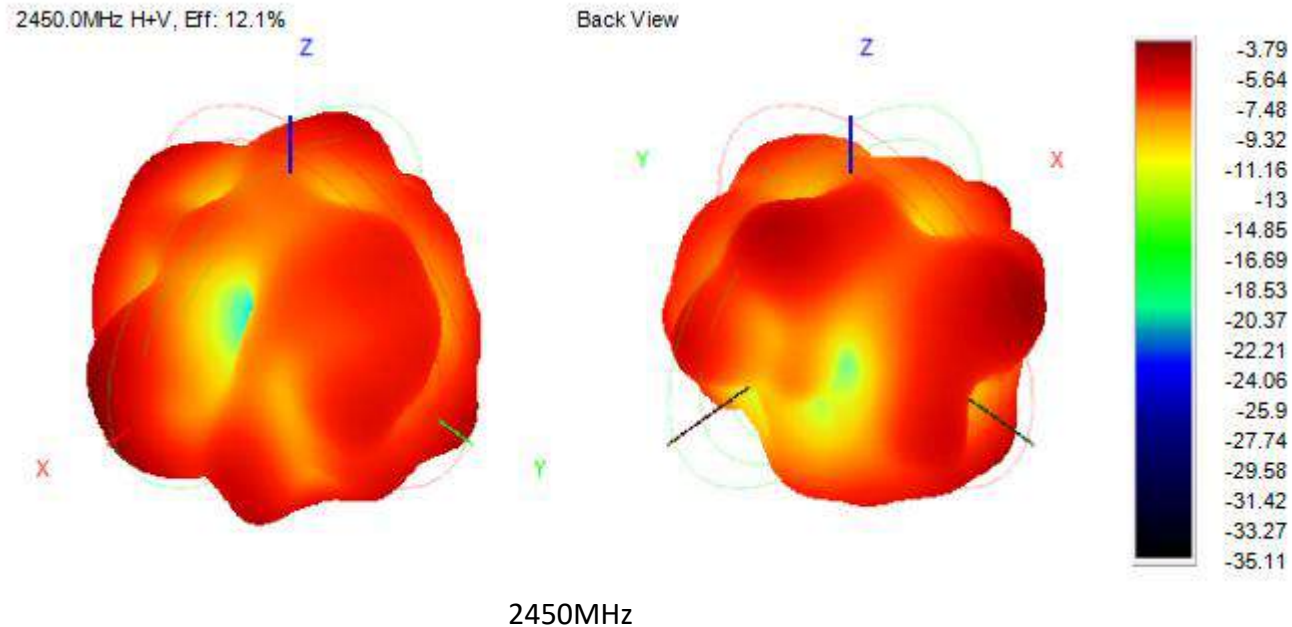
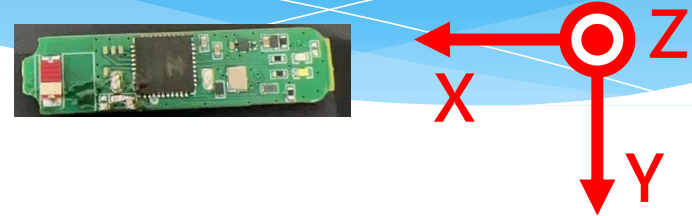
	LC	P/N
Ant.	KBAN3216D245H06	
1	1.2pF	Murata
2	22pF	Murata
3	NC	--

Ant. S11 Parameter



Ant. Gain Pattern @2.45GHz-3216H06

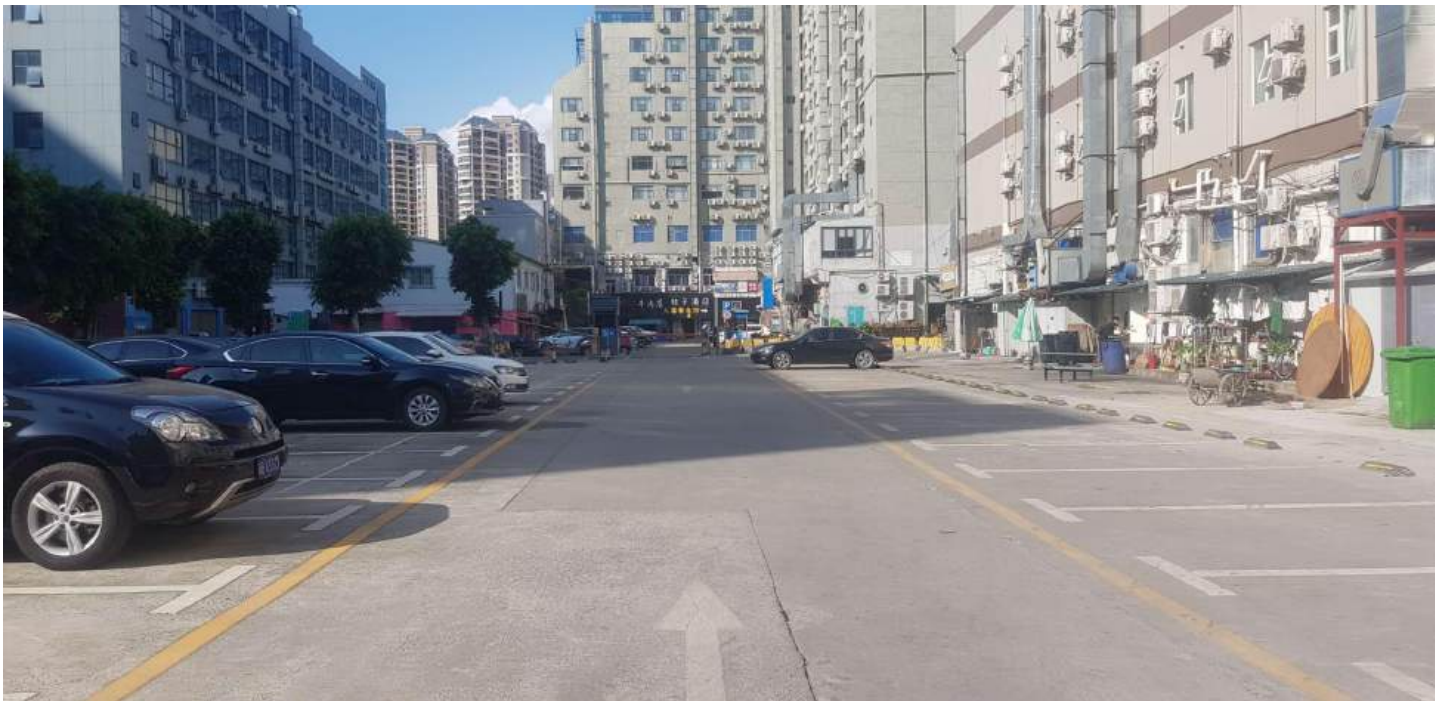
- Passive Test (free space)



Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-3.99	-3.56	-3.31	-4.01	-4.03	-3.79	-3.82	-4.46	-4.74	-4.61	-5.36
Efficiency (%)	20.59	21.37	21.78	21.99	22.03	22.05	21.74	21.33	20.79	20.23	19.37

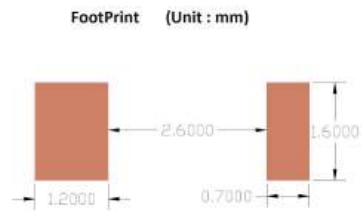
Real test

- Test environment: Open parking lot
- Test mobile phone: Redmi K30
- Test distance: 3-4 meters outdoors (single-pole H06)



Conclusion

- The outdoor measurement of the single-pole (3216H06) is 3-4 meters. Feedback from the customer is pending



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