

Antenna Test Report Watch V1.0

Customer	aeration
Agent	Thanh Thanh
Project name	watch
Model. IC	
Model. ANT	WAN3216F245M08

Jun 2024/11/21

Ant. Matching (#1)

- Antenna Placement

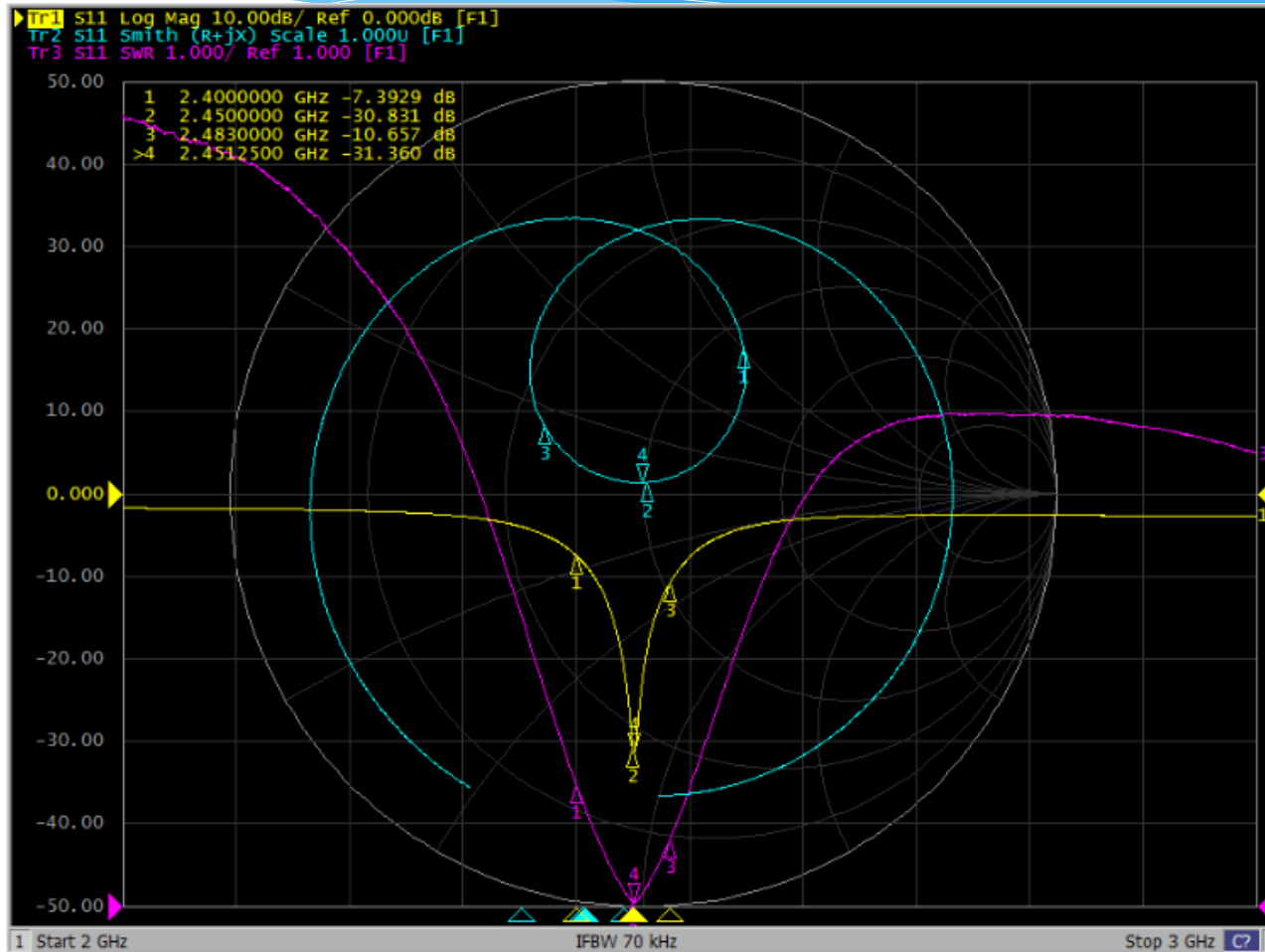


- Matching Circuit



	LC	P/N
Ant.	WAN3216F245M08	
1	3.6nH	Murata
2	2.4PF	Murata

Ant. S11 Parameter (#1)



Fre.(MHz)	2400	2450	2483
S11(dB)	-7.3	-30.8	-10.6

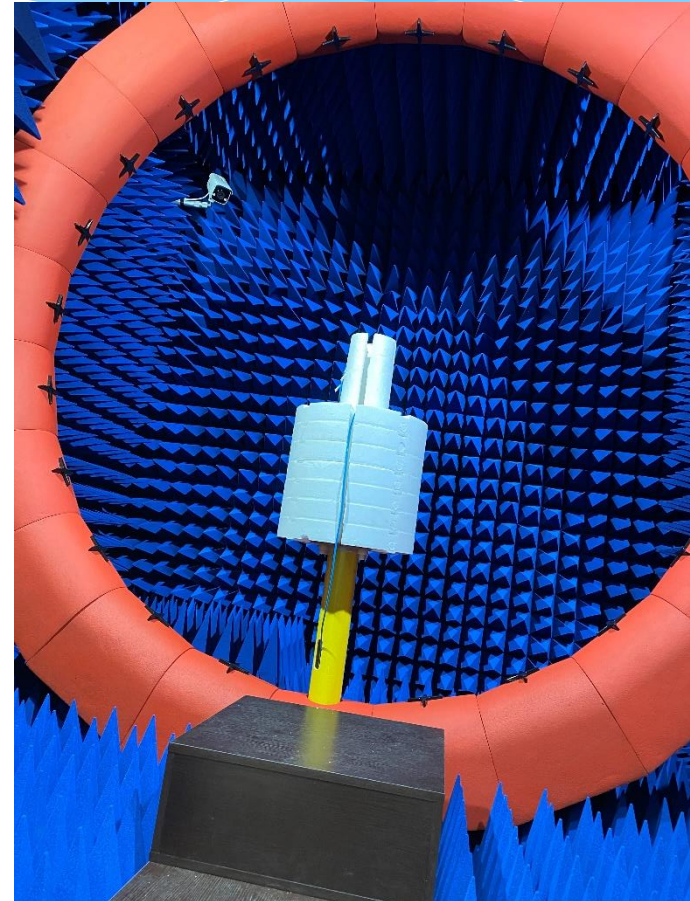
Equipment of OTA test



E5071C



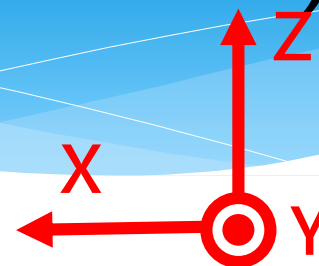
CMW500



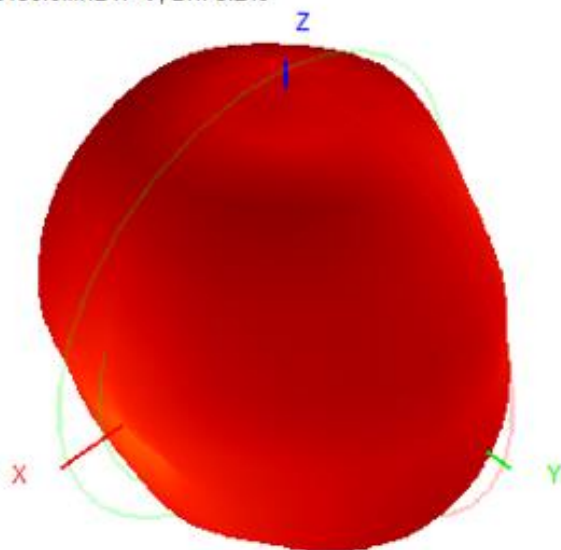
FTM-24D

Ant. Gain Pattern @2.45GHz (#1passive)

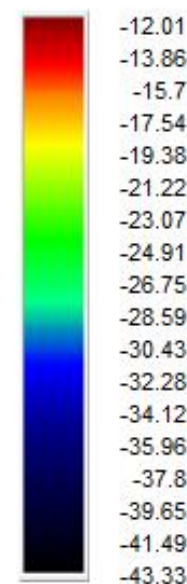
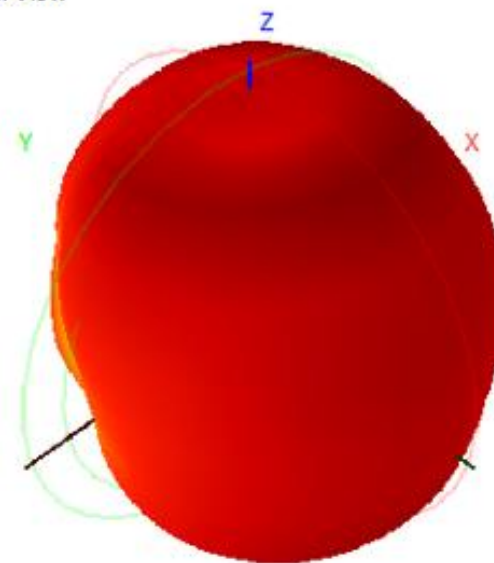
- Free Space



2450.0MHz H+V, Eff: 3.2%



Back View



Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-17.25	-16.73	-16.31	-15.82	-15.37	-14.98	-14.69	-14.41	-14.27	-14.27	-14.40
Gain (dBi)	-14.13	-13.46	-12.99	-12.55	-12.29	-12.01	-11.74	-11.55	-11.39	-10.83	-10.52
Efficiency (%)	1.88	2.13	2.34	2.62	2.91	3.17	3.39	3.62	3.74	3.74	3.63

conclusion

- Debug data as above, ask customer to test and verify

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