

Antenna Test Report

SW-R1321 V1.0

Customer	创芯微
Agent	雷盟
Project name	SW-R1321
Model. IC	BT8931
Model. ANT	KBAN3216D245H06

2024/06/27

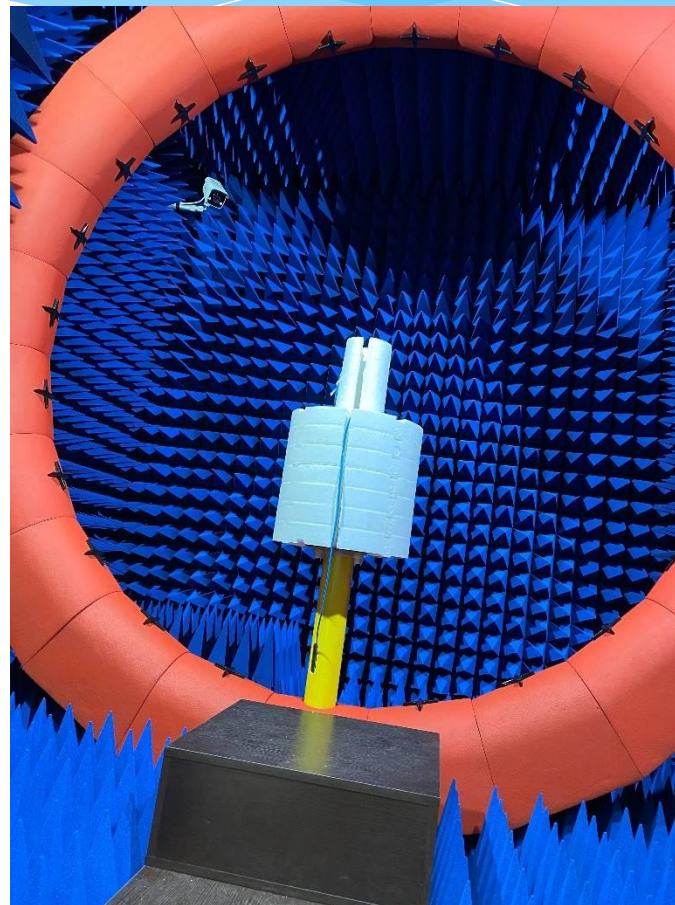
Equipment of OTA test



網路分析儀 E5071C



綜合測試儀 CMW500



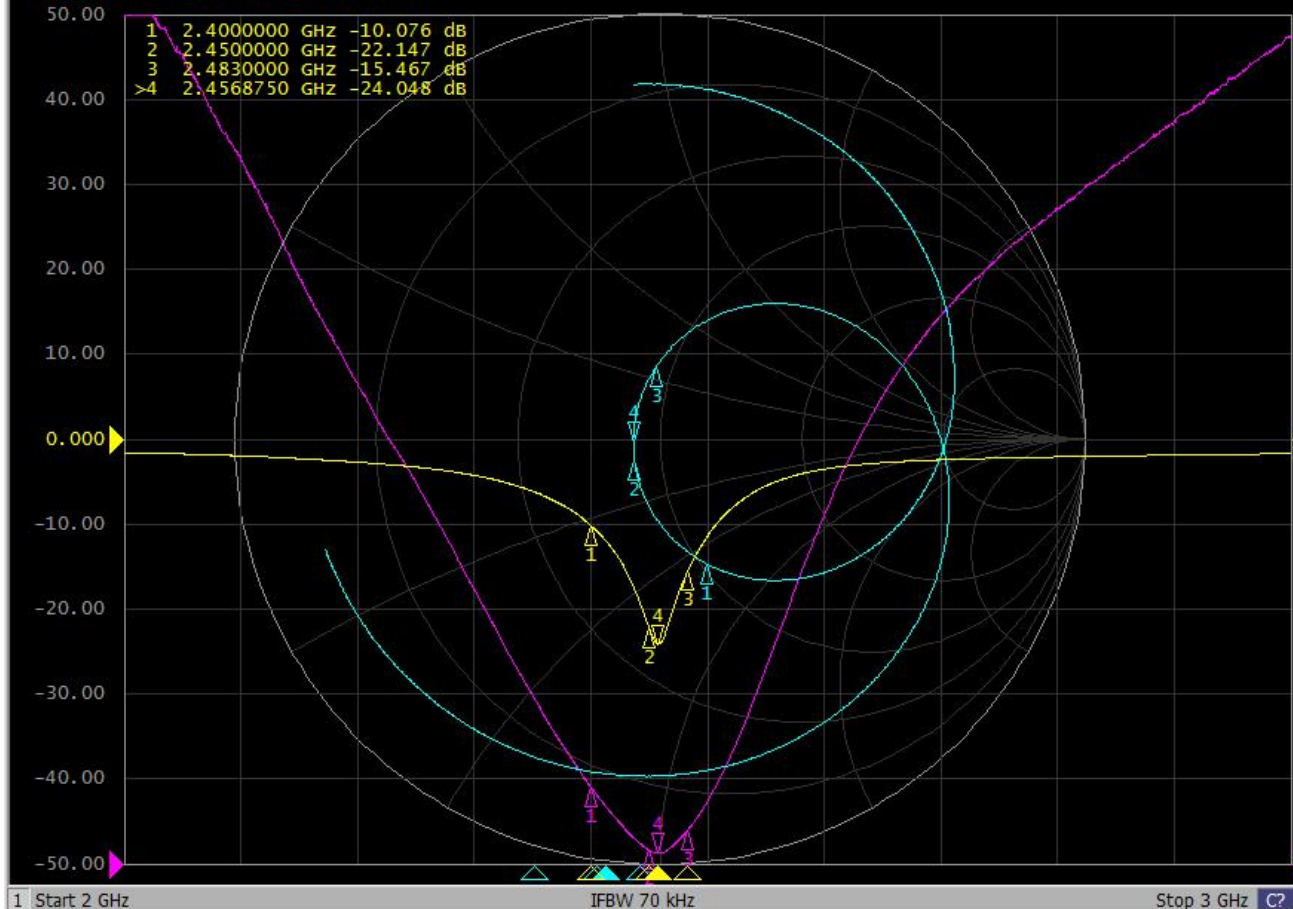
微波暗室 FTM-24D多探頭

Ant. S11 Parameter

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]
Tr2 S11 Smith (R+jX) Scale 1.000u [F1]
Tr3 S11 SWR 1.000/ Ref 1.000 [F1]



Resize

Trigger



Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

Restart

Trigger

Ext Trig Input

Negative Edge

Trigger Delay

0.0000 s



1 Start 2 GHz

IFBW 70 kHz

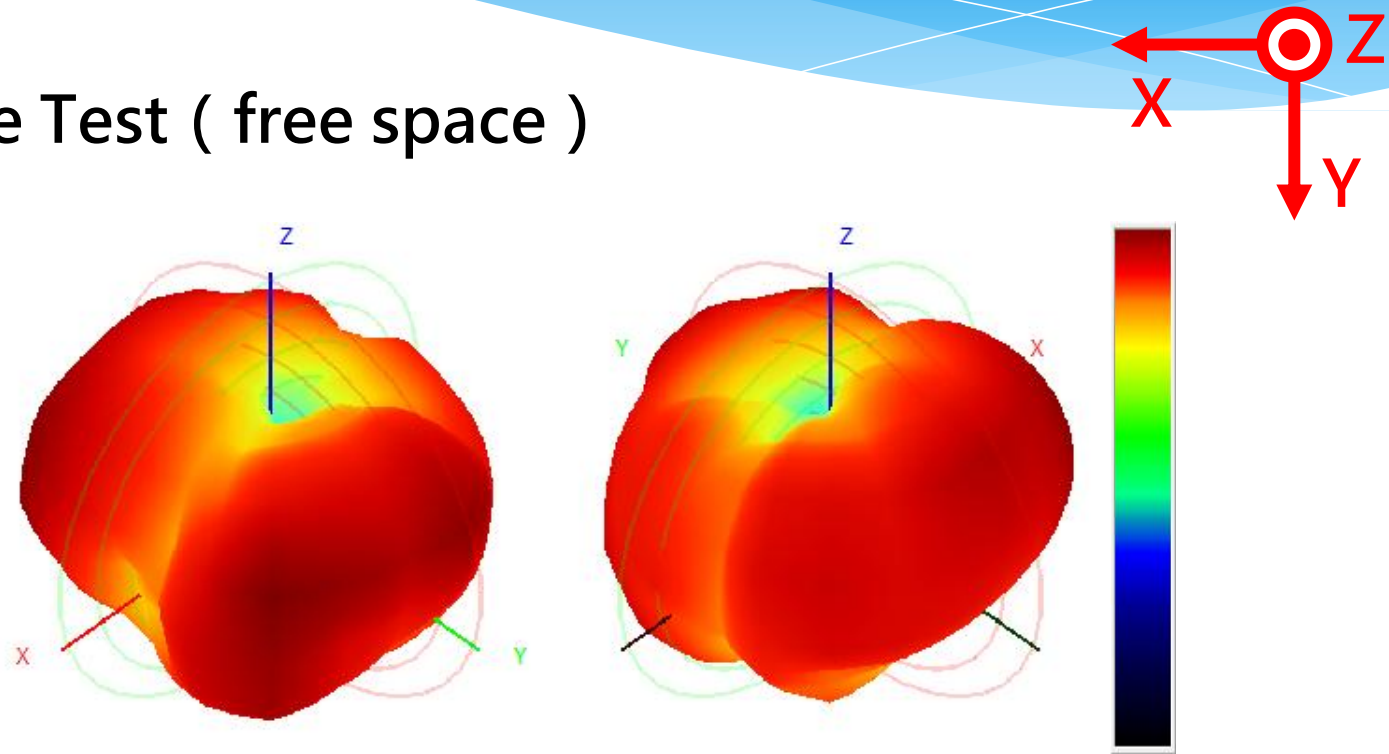
Stop 3 GHz

C?

Hold Stop ExtRef Svc 2024-06-27 16:14

Ant. Gain Pattern @2.4GHz

- Passive Test (free space)

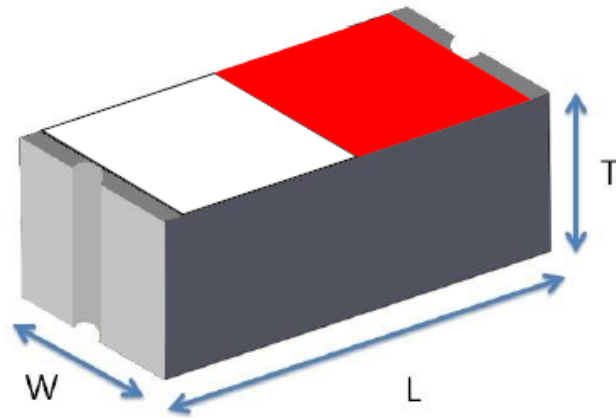


Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-7.63	-7.35	-7.14	-6.95	-6.77	-6.62	-6.53	-6.49	-6.55	-6.74	-7.04
Gain (dBi)	-2.89	-2.46	-2.20	-1.96	-1.64	-1.33	-1.17	-1.23	-1.42	-1.76	-1.96
Efficiency (%)	17.24	18.42	19.32	20.20	21.01	21.79	22.23	22.44	22.12	21.20	19.76

Ant. Gain Pattern @2.45GHz

- Active Test (free space)

样机1	channel	TRP(dBm)	TIS(dBm)
BT	0	3.66	-91.48
	39	4.41	-88.96
	78	2.63	-85.53



P/N: KBAN3216D245H06

	Dimension (mm)
L	3.23 ± 0.20
W	1.66 ± 0.20
T	1.13 ± 0.20