

Antenna Test Report

蓝牙键盘 V1.0

Customer	零点零一
Agent	--
Project name	键盘
Model. IC	NRF52833
Model. ANT	WAN3216F245C04

2022/02/28

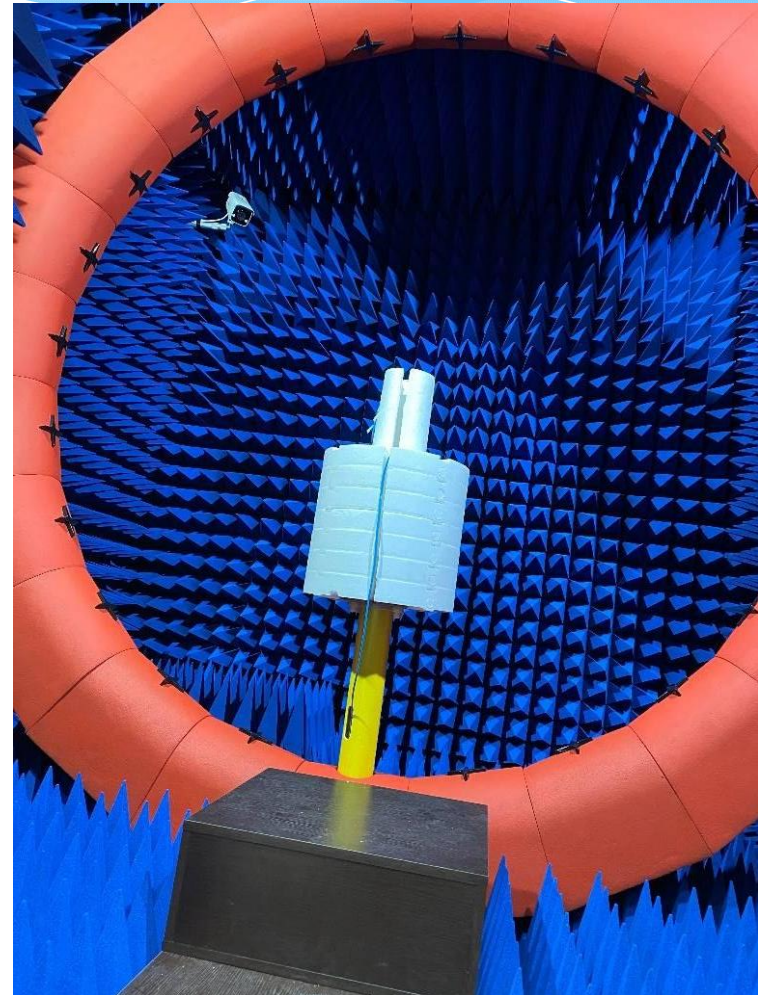
Equipment of OTA test



網路分析儀 E5071C



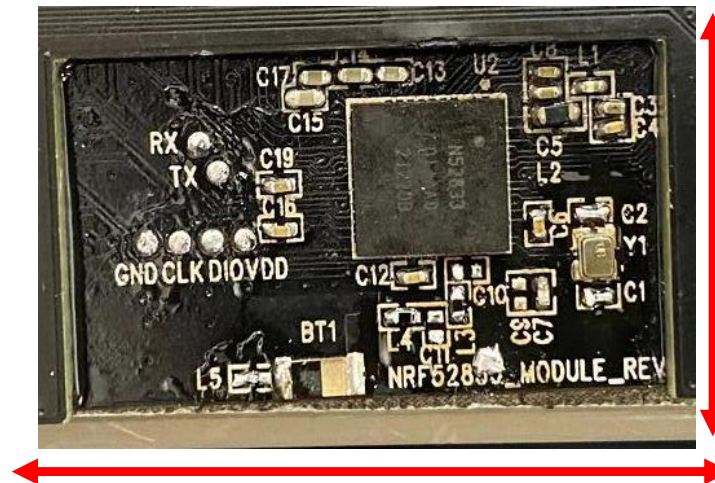
綜合測試儀 CMW500



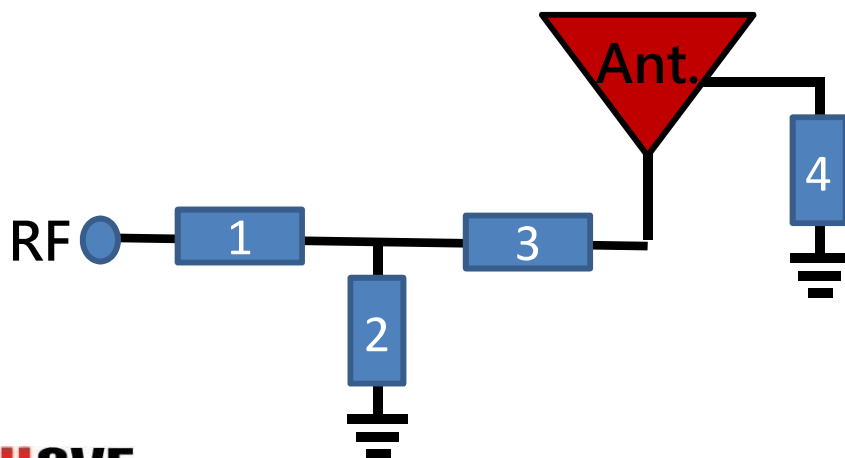
微波暗室 FTM-24D多探頭

Ant. Matching

- Antenna Placement



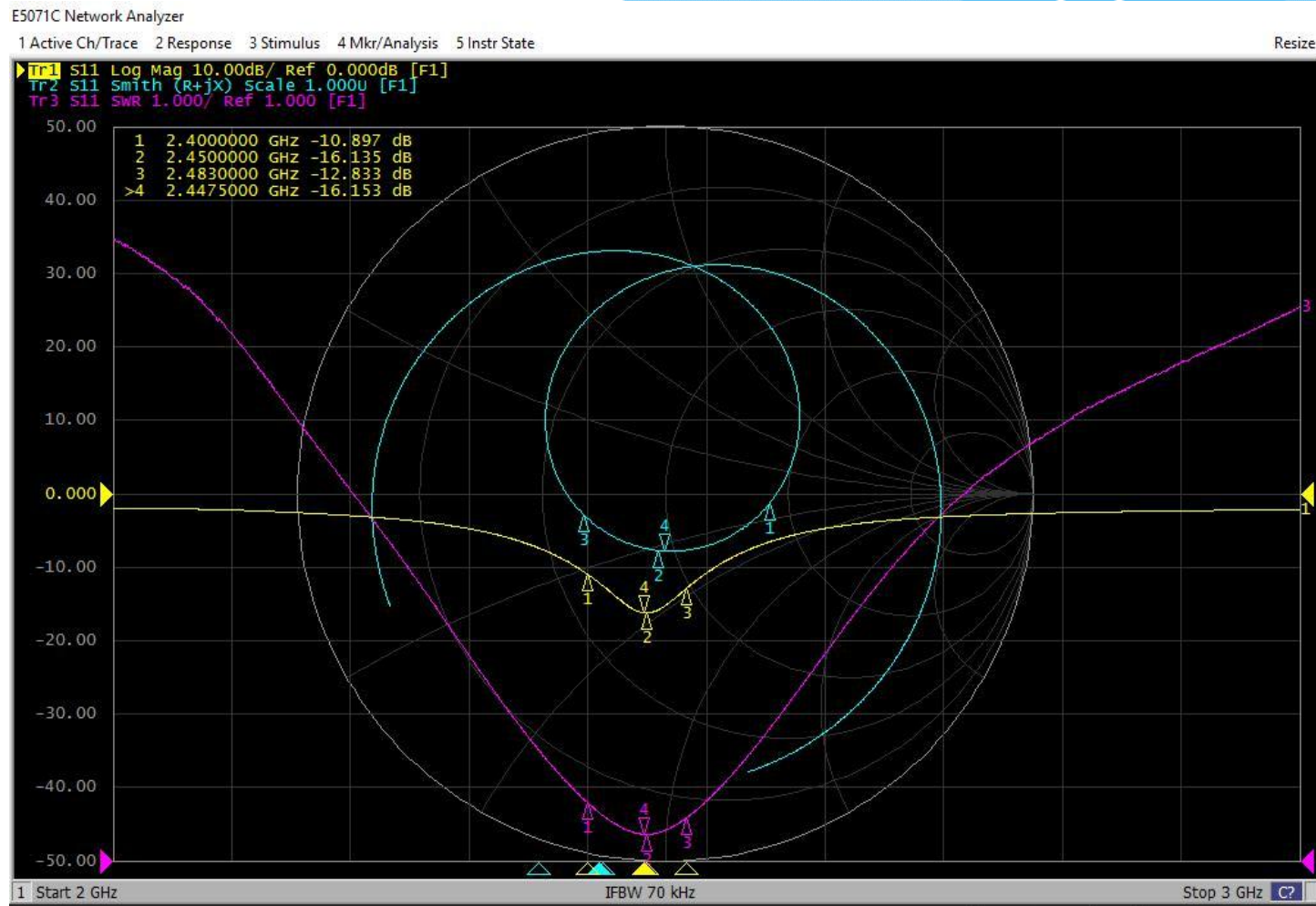
- Matching Circuit



天线净空区 :4*5mm

	LC	P/N
Ant.	WAN3216F245C04	
1	0Ω	--
2	NC	--
3	0Ω	--
4	10pF	Murata

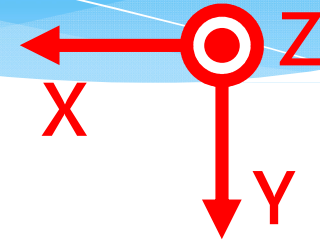
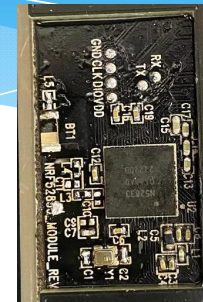
Ant. S11 Parameter



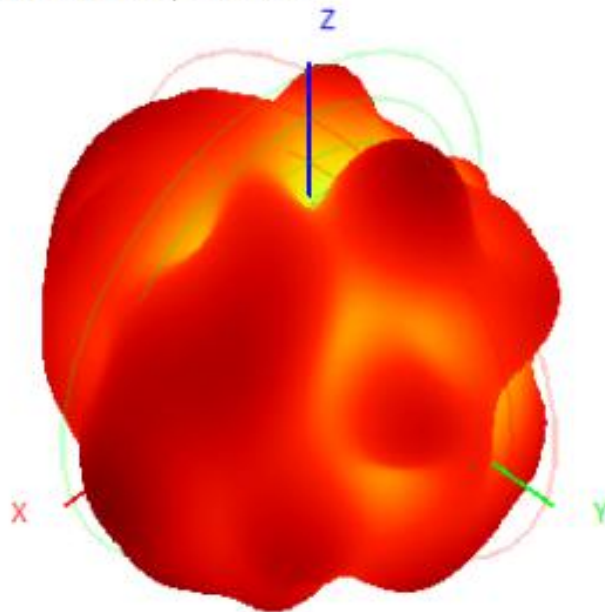
Fre.(MHz)	2400	2450	2483
S11(dB)	-10.8	-16.1	-12.8

Ant. Gain Pattern @2.45GHz

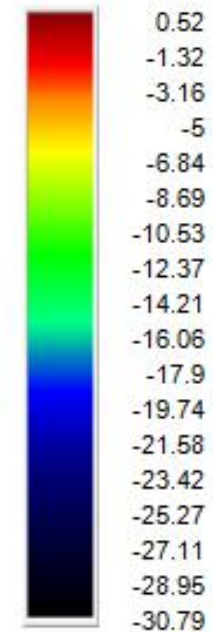
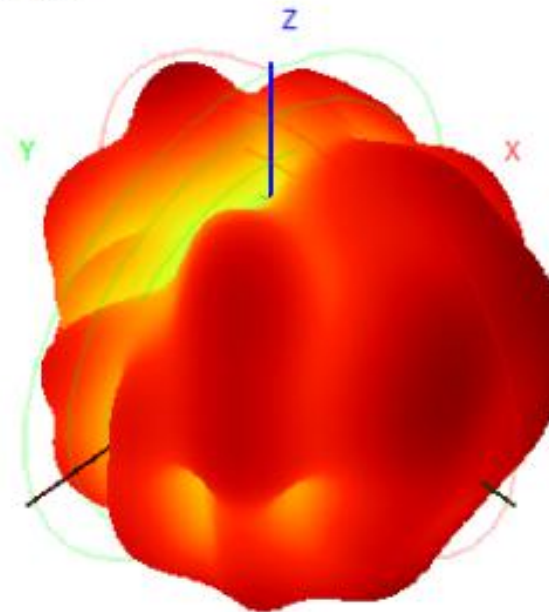
- Passive Test (free space)



2450.0MHz H+V, Eff: 43.7%



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
Gain (dBi)	-0.28	-0.04	0.18	0.31	0.41	0.52	0.68	0.74	0.70	0.44	0.22
Efficiency (%)	37.70	39.30	40.91	41.77	42.64	43.71	44.25	43.46	42.59	42.04	41.04