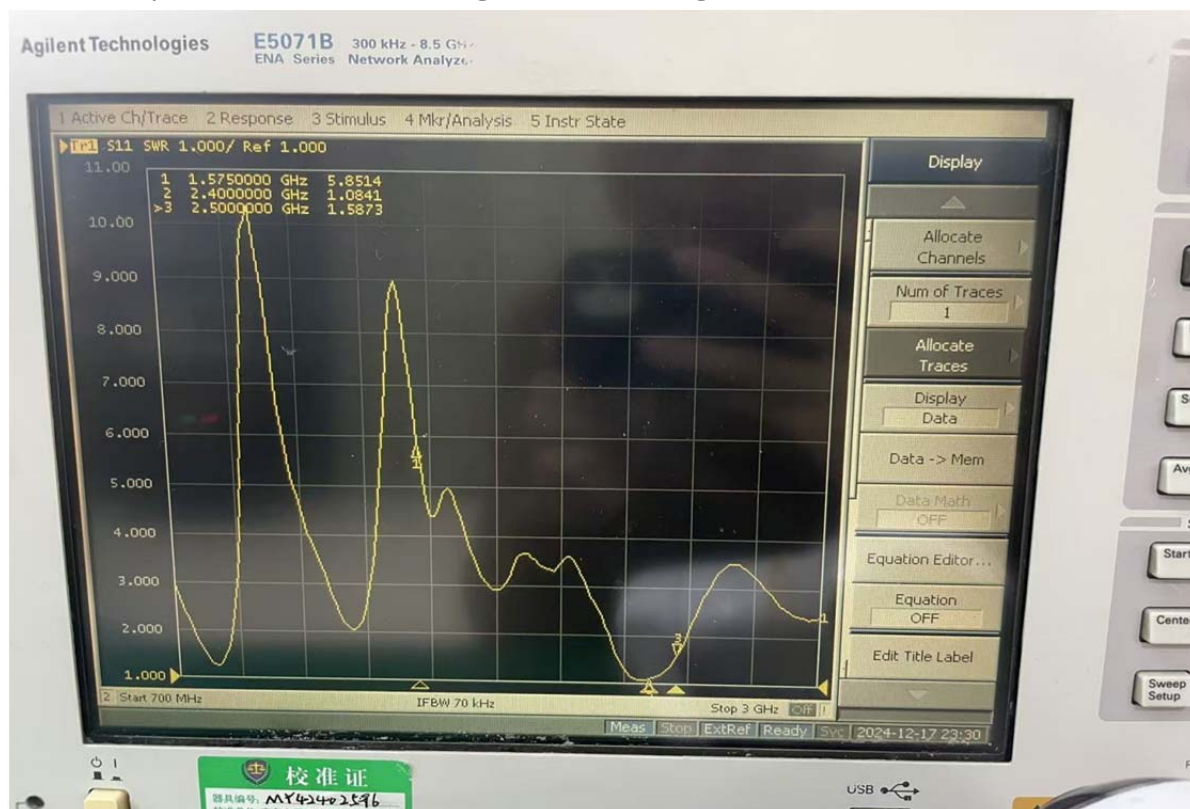


Antenna Acknowledgement

Applicable model	F90		
Customer	Anruili Technology Co., Ltd		
Specification description			
	Product content	Specification	Customer material code
Specification description	WiFi antenna	Copper tube/2.5 * 25mm + first generation terminal wire/black/1.13 * 236 mm	
Change of resume			
Serial number	Date	Version	Brief description of the changes
1	2022-03-16	V1.0	New project
2			
3			

Supplier sample confirmation					
Research and development		Structure	Audit	Judgement	
				PASS ☒ FAIL ☐	
Customer sample confirmation					
Electron	Structure	Project	Procurement	Quality	Audit
Reasons for rejection or other precautions:					

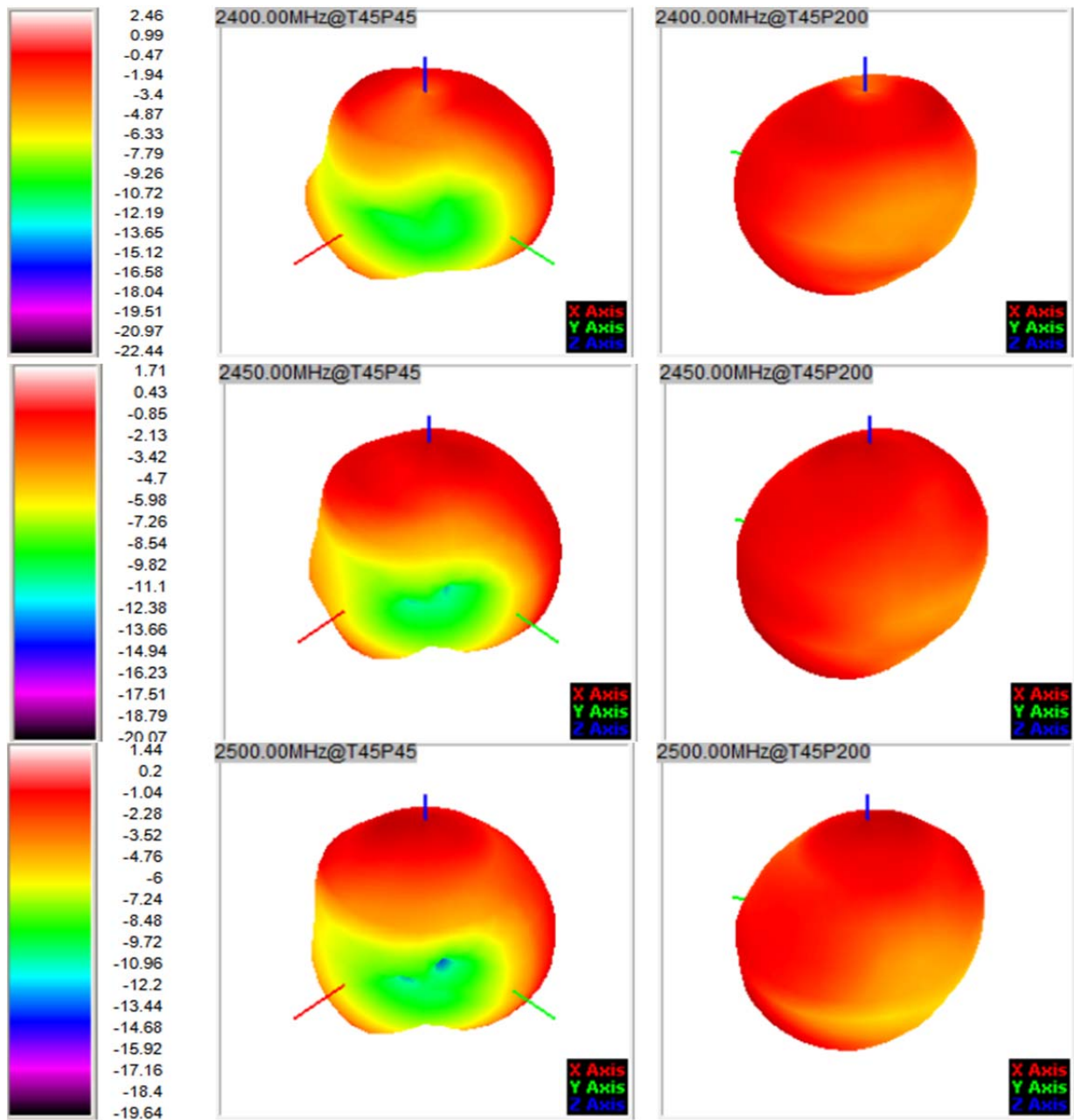
1、Antenna passive standing wave diagram



2、2.4 G-antenna gain efficiency

FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.04	-2.15	-2.27	-2.38	-2.49	-2.52	-2.52	-2.69	-2.84	-2.94	-3.06
Peak EIRP (dBm)	2.46	2.33	2.06	1.82	1.72	1.71	1.77	1.66	1.53	1.52	1.44
Directivity (dBi)	4.49	4.48	4.33	4.21	4.21	4.23	4.29	4.35	4.37	4.46	4.49
Efficiency (dB)	-2.04	-2.15	-2.27	-2.38	-2.49	-2.52	-2.52	-2.69	-2.84	-2.94	-3.06
Efficiency (%)	62.60	61.00	59.30	57.80	56.30	56.00	56.00	53.80	52.00	50.80	49.40
Gain (dBi)	2.46	2.33	2.06	1.82	1.72	1.71	1.77	1.66	1.53	1.52	1.44
NHPRP ±Pi/4 (dBm)	-3.89	-4.00	-4.13	-4.24	-4.35	-4.38	-4.37	-4.56	-4.74	-4.85	-4.98
NHPRP ±Pi/6 (dBm)	-5.54	-5.65	-5.79	-5.91	-6.04	-6.09	-6.10	-6.31	-6.51	-6.65	-6.80
NHPRP ±Pi/8 (dBm)	-6.76	-6.90	-7.04	-7.16	-7.31	-7.38	-7.39	-7.60	-7.82	-7.98	-8.16
Upper Hem. PRP (dBm)	-4.98	-5.08	-5.16	-5.22	-5.31	-5.29	-5.29	-5.44	-5.58	-5.68	-5.79
Lower Hem. PRP (dBm)	-5.11	-5.24	-5.41	-5.57	-5.71	-5.78	-5.78	-5.97	-6.14	-6.24	-6.37
Upper Hem. PRP (%)	31.75	31.03	30.48	30.04	29.44	29.56	29.56	28.56	27.66	27.02	26.38
Lower Hem. PRP (%)	30.80	29.95	28.78	27.72	26.87	26.40	26.42	25.28	24.30	23.76	23.07

3、2.4G-Antenna pattern



4、Product parameters

Frequency range (MHz)	2400-2500	Cable color	Black
Wideband (MHz)	100	Cable length (mm)	236
Polarization mode	Linear polarization	Interface form	Generation terminal
Antenna Gain (dBi)	2.46 Max.	Operating temperature (°C)	-40~+85
Voltage standing wave ratio	≤ 2	Storage temperature (°C)	-40~+85
Input Impedance (Ω)	50		

5、Engineering drawings

