
Antenna data sheet

Product Name_____G4 (FPC Antenna)_____

Issue date_____2025-03-25_____

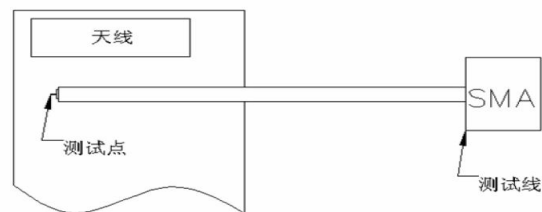
Peak Gain _____0.68dBi_____

1.Dimension



FPC Antenna

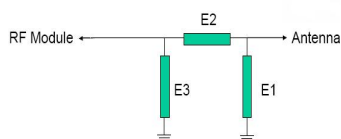
2.Passive Test



G4-WIFI Antenna					
		Frequency(MHz)	VSWR	Frequency (MHz)	VSWR
Frequency Band		TX modules		RX modules	
2.4G WIFI		2400-2550	≤3.0	2400-2550	≤3.0
5.8G WIFI		5150-5850	≤3.0	5150-5850	≤3.0

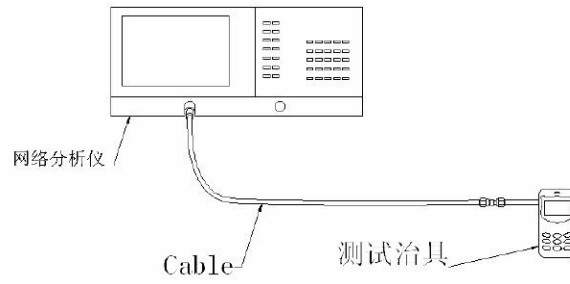
3. match circuit

Main Antenna (There is no change in the matching.)



Element	Match Value
E1(0201)	
E2(0201)	0
E3(0201)	

4. S11 Test



S11

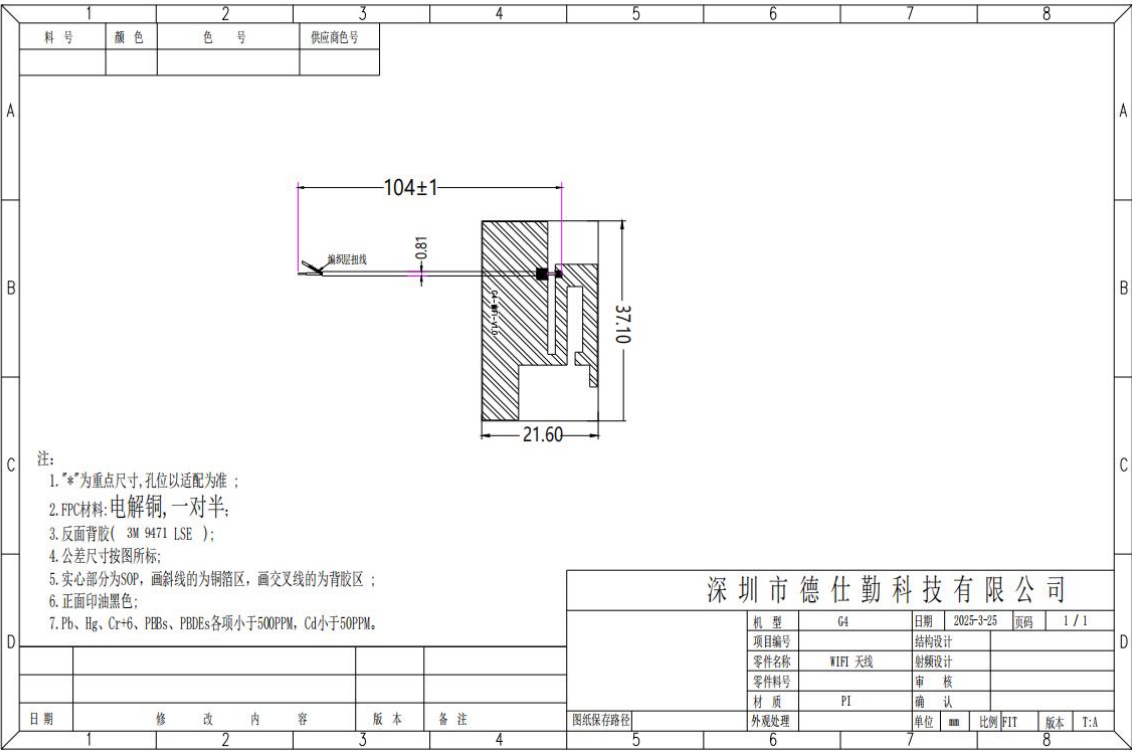


5. Power and sensitivity tests

Test Data

BAND	CHANNEL	TRP	TIS	CHANNEL	TRP	TIS
WIFI 11b	1	10.1	-78.66			
	6	10.16	-79.04			
	11	10.34	-79.12			
WIFI A	36	10.05	-66.55			
	60	10.4	-66.03			
	165	10.31	-66.57			

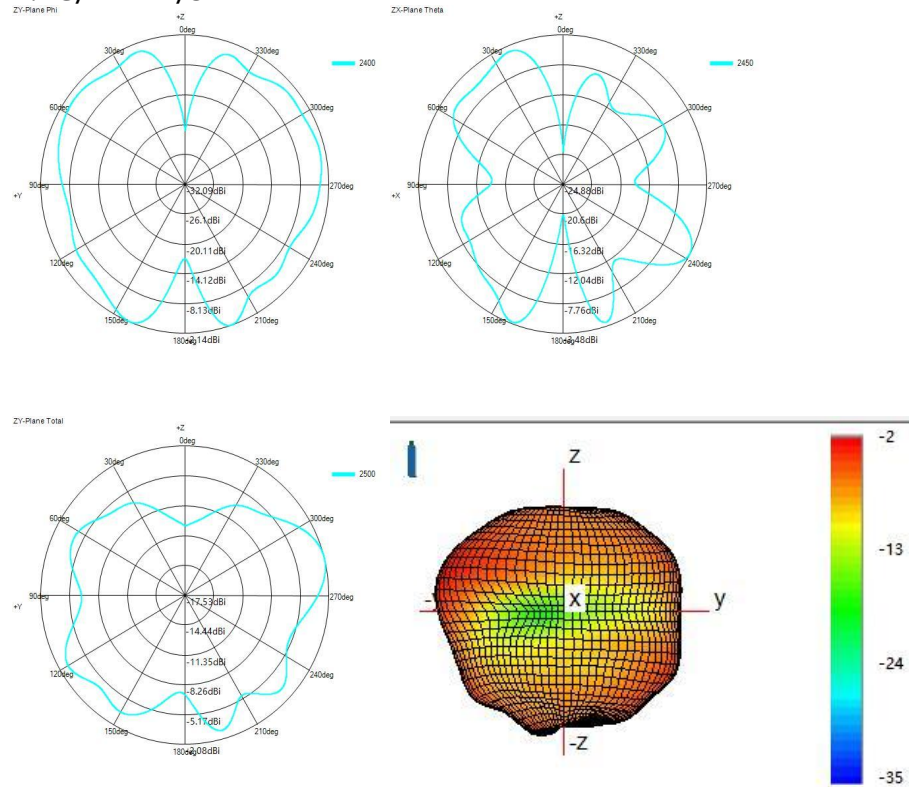
6. Structural Drawings



2.4/5.8 Passive efficiency/Gain

Passive Test For 2400-2500			Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	28.52	0.5	5150	29.7	0.7
2410	27.61	0.35	5200	39.3	1.5
2420	28.12	0.35	5250	42.1	1.5
2430	27.44	0.03	5300	33.3	0.2
2440	26.92	-0.24	5350	35.7	0.1
2450	27.27	-0.04	5400	51.3	1.4
2460	27.89	0.05	5450	42.6	0.8
2470	28	0.26	5500	31.3	-0.4
2480	27.68	0.51	5550	34.9	0.6
2490	27.26	0.6	5600	43.3	1.6
2500	28.01	0.68	5650	35.2	0.7
			5700	25.9	-0.6
			5750	29.1	0.1
			5800	29.9	0.4
			5850	22.4	-1

2.4G/BT-2D/3D



5.8G-2D/3D

