
2.4G Antenna Datasheet

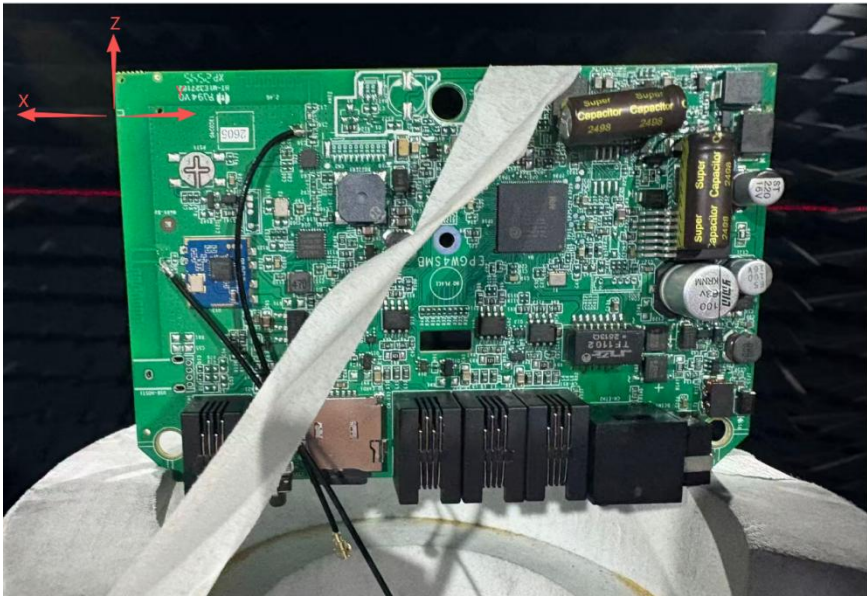
Manufacture :	<u>Xiamen Pinnacle Electrical Co.,Ltd.</u>
Location :	<u>4F, Guang Xia Building, Torch High-Tech Zone, Xiamen, China</u>
Project Name:	<u>GW4</u>
Product Specification:	<u>2.4G onboard antenna</u>
Version REV:	<u>V1.0</u>
Date:	<u>2026.02.07</u>

fabrication drawing	examine and verify check	ratify approved

Catalogue Index

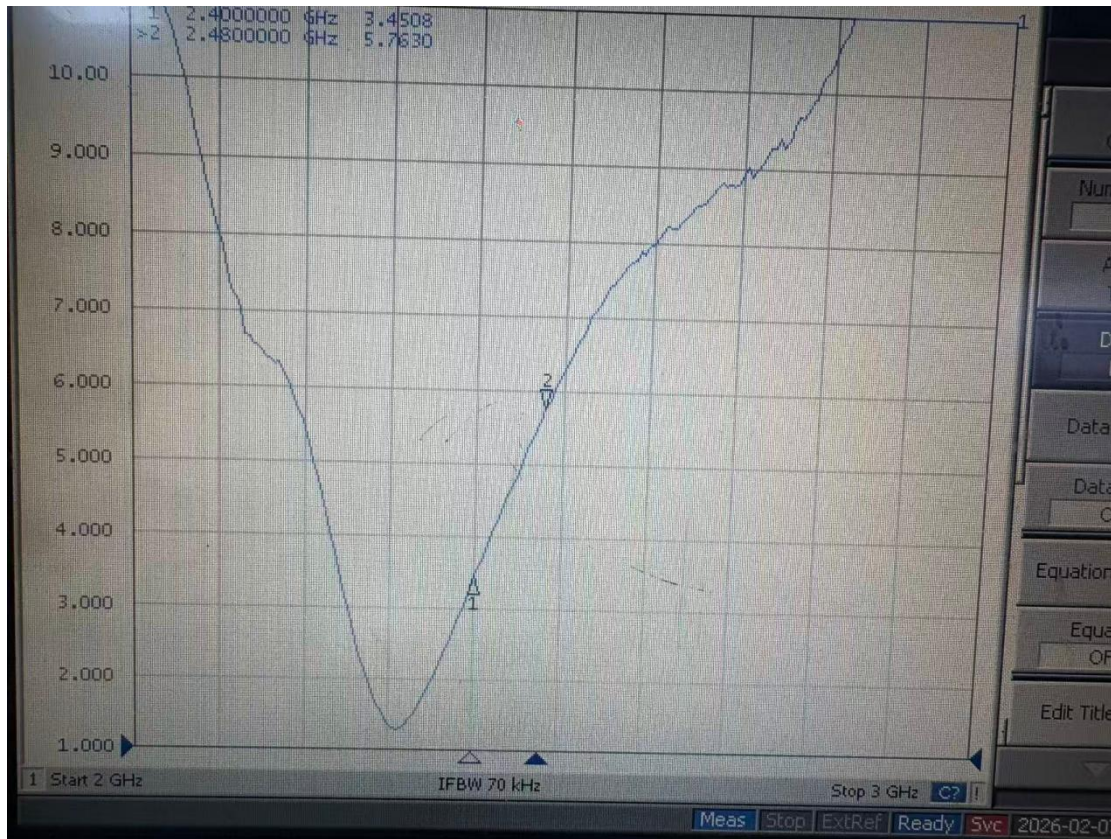
1. Cover	-----page1
2. Table of Contents	-----page2
3. Electrical Performance Index	-----page3
4. Test Report	-----page4/5
5. Engineering Drawings	-----page6

Electrical Performance Index

electrical PERFORMANCE INDICATORS		Electrical Specifications	
Frequency range: 2400-2480 MHz		2400-2480MHZ	
VSWR	≤ 6.0	VSWR	≤ 6.0
GAIN	$\leq -0.3\text{DBI}$	GAIN	$\leq -0.3\text{DBI}$
radiation mode	omnidirectional	Radiation	OMNI
polarization mode	linear polarization	Polarizatin	LINEAR
input impedance	50 Ω	Input Impedance	50 Ω
mechanical PERFORMANCE INDICATORS		Mechanical Specifications	
interface form	/	Input connector	/
antenna material	PCB board mounted	Antenna materia	PCB board mounted
working temperature	-30°C~+80°C	Working Temperature	-30°C~+80°C
working humidity	40~85%	Working Humidity	40~85%
Product image			

Test report

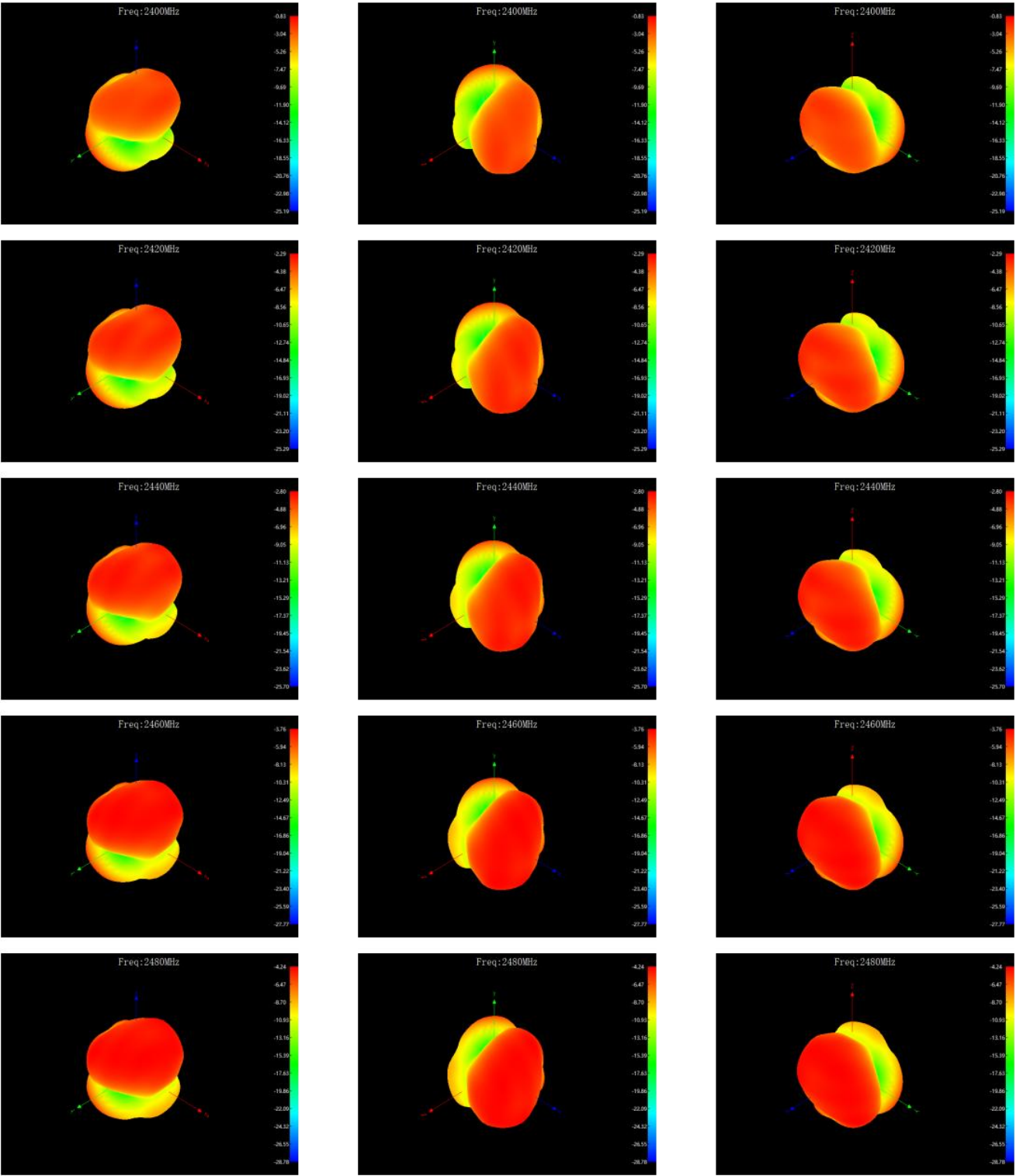
1. Antenna Standing Wave Pattern



2. Antenna

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Efficiency
2400	-0.83	25.82	
2402	-0.99	25	
2404	-1.16	24.04	
2406	-1.32	23.23	
2408	-1.32	22.8	
2410	-1.33	22.65	
2412	-1.45	22.49	
2414	-1.49	22.75	
2416	-1.63	22.49	
2418	-1.93	21.48	
2420	-2.29	20.14	
2422	-2.65	18.97	
2424	-2.99	17.86	
2426	-3.09	17.74	
2428	-2.96	18.58	
2430	-2.81	19.63	
2432	-2.65	19.77	
2434	-2.61	19.5	
2436	-2.7	19.01	
2438	-2.81	18.71	
2440	-2.8	18.75	
2442	-2.89	18.2	
2444	-2.9	17.91	
2446	-3	17.66	
2448	-3.26	17.1	
2450	-3.62	16.22	
2452	-3.67	15.45	
2454	-3.7	14.96	
2456	-3.72	15.07	
2458	-3.74	15.67	
2460	-3.76	16.11	
2462	-3.7	15.7	
2464	-3.82	14.96	
2466	-4.12	13.68	
2468	-4.48	12.3	
2470	-4.69	11.4	
2472	-4.65	11.78	
2474	-4.6	12.22	
2476	-4.49	12.65	
2478	-4.34	12.82	
2480	-4.24	12.71	

3. antenna 3D pattern



4. antenna 2D pattern

