

PCB antenna specification

PRODUCT SPECIFICATION

Signature and seal of confirmation					
LW Approved			Customer Approved		
Sample	audit	approved	validation	audit	approved
LW Approved By			Customer Approved By		
Date	2023-8-11		Date	2023-8-11	

Shenzhen Lewei Technology Co., LTD

File for amendment/revocation/resume

[illegible]

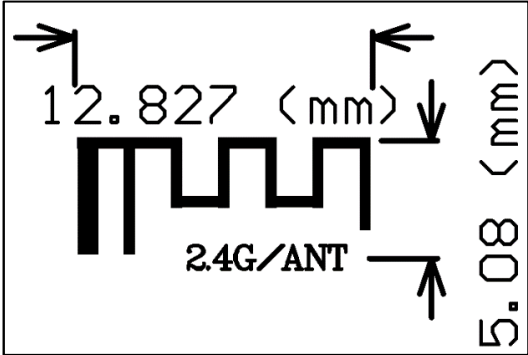
3、Directory

1、directory	1
2、File for amendment/revocation/resume	2
3、directory	3
4、Product drawings	4
5、Passive performance test paramete.....	5
6、2D、3D Performance figure	6
7、Electrical performance test report	7

Shenzhen Lewei Technology Co., LTD

4、Product drawings

REV.		CHANGE DESCRIPTION		DATE	SIGNATURE
A1		New		2023.08.11	Joe



Technical requirements:

1. Electrical parameters:

1.1 Impedance : 50 Ω

1.2 Frequency : 2400-2500Mhz

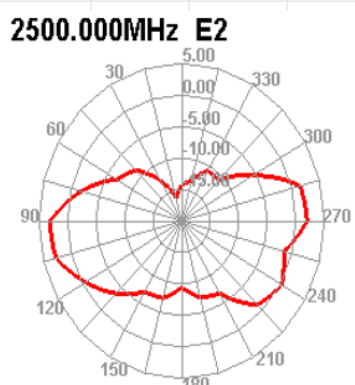
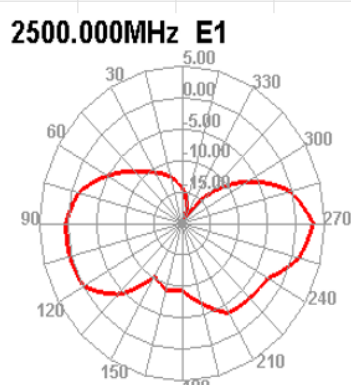
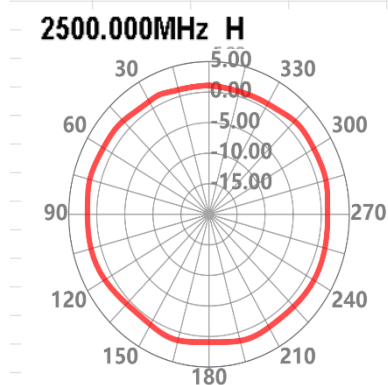
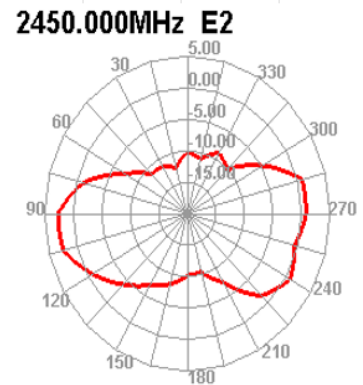
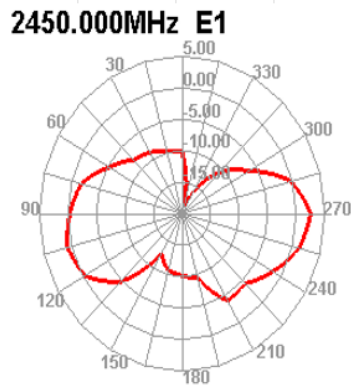
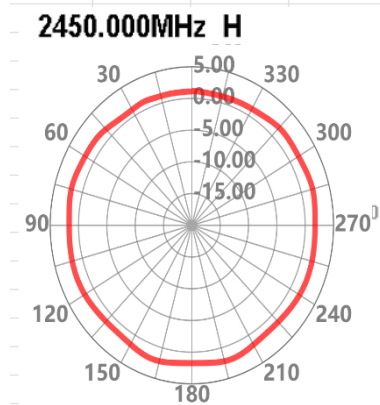
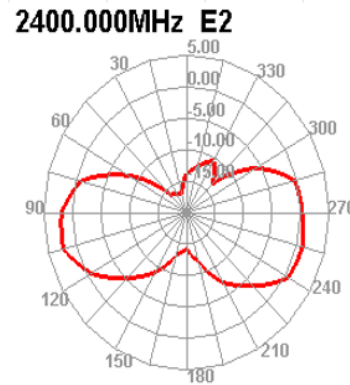
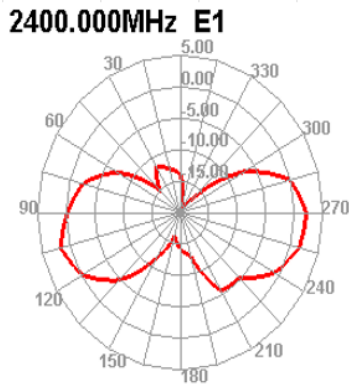
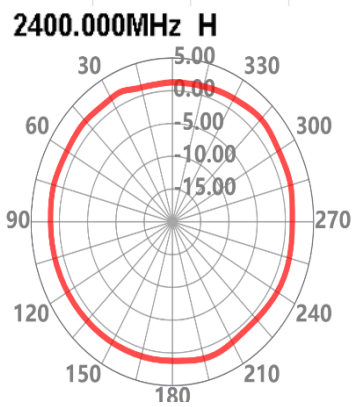
TOLERANCE		Shenzhen Lewei Technology Co., LTD	
⑥	.XXX	±0.05	DRAWN BY Joe PART NO. :
⑤	.XX	±0.1	
④	.X	±0.2	CHECKED BY Mike TITLE:
③	X.	±0.25	
②	XX.	±1	APPROVED BY Sky PCB antenna
①	XXX.	±2	

NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY	UNIT	MATERIAL	AS DIMENSION	SCALE : 1 : 1	CAD FILE:	DWG TYPE: PRODUCT DRAWING
8	7	6	5	4	3	2	1		

Shenzhen Lewei Technology Co., LTD

6、 2D、 3D Performance figure

Passive Test For Bluetooth										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	33.36	-3.63	1.74	-0.64	14.481	18.88	1.74	1.22	48.68	48.95
2410	32.9	-3.68	1.62	-0.63	13.979	18.924	1.62	1.31	48.6	49.03
2420	33.81	-3.58	1.5	-0.61	14.016	19.798	1.5	1.29	48.66	49.12
2430	33.77	-3.59	1.64	-0.71	13.756	20.011	1.64	1.01	48.73	49.16
2440	34.97	-3.47	1.59	-0.87	13.858	21.114	1.59	1.39	48.9	49.33
2450	36.86	-3.29	1.74	-0.59	14.249	22.61	1.74	1.19	49.02	49.47
2460	37.69	-3.22	1.63	-0.74	14.137	23.552	1.63	1.37	49.12	49.5
2470	37.68	-3.22	1.63	-0.65	13.943	23.733	1.63	1.39	49.1	49.75
2480	35.74	-3.4	1.62	-0.72	13.095	22.643	1.62	1.23	49.33	49.67
2490	38.66	-3.13	1.58	-0.73	13.916	24.744	1.58	1.12	49.49	50.01
2500	35.27	-2.82	1.44	-0.75	15.007	20.26	1.34	0.97	49.73	50.17



Shenzhen Lewei Technology Co., LTD

7、Electrical performance test report

Electrical parameters	
Frequency range	2400-2500Mhz
input impedance	50Ω
VSWR	
Gain	1.74dBi MAX
Polarization mode	Vertical polarization
Radiation direction	omnidirectional
connection method	On-Board
Mechanical parameters	
Cable	
Salt spray test	
Environmental parameters	
Working temperature	-20~65℃

Antenna type: planar Inverted-F antenna
Antenna manufacturer: Shenzhen Jialichuang Technology Group Co., Ltd
Manufacturer's address: 27th floor, Olympic Building, No. 2
Shangbao Road, Futian District, Shenzhen