



SPECIFICATION

APPLICATION FOR APPROVAL

制造商

manufacturer

Shenzhen Meigao Innovation Technology Co., Ltd./No. 6, Fu Kang Road, Hua Hua Community, Ping Hu Street, Long Gang District, Shenzhen City, China - Building B, Baoneng Intelligent Innovation Valley

客户料號

Part No.

M05.08.RPBSH001

电声料號

ICT P/N

LZZRF053-DT-H

规格

Description

RPBSH WiFi MAIN Antenna

日期

Date

2025/10/20

客户承認

CUSTOMER APPROVED

射频工程师	结构工程师	研发经理	产品经理

射频工程师	结构工程师	研发经理	产品经理
邹怀阳	韦鸿锐	吴明庭	覃飞翔

FM-RD-11A

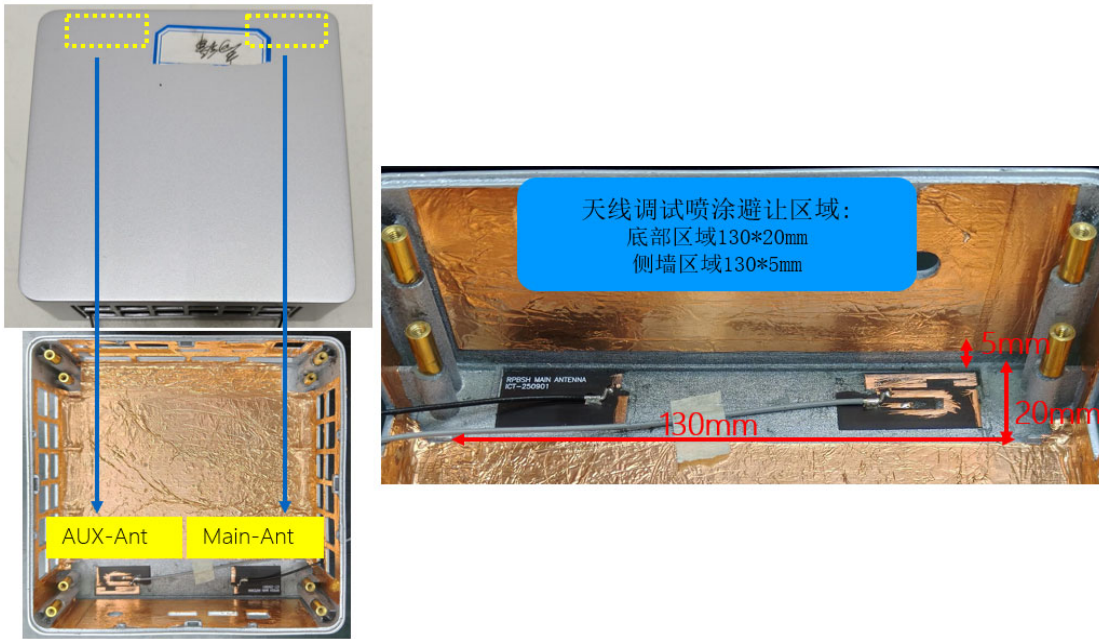
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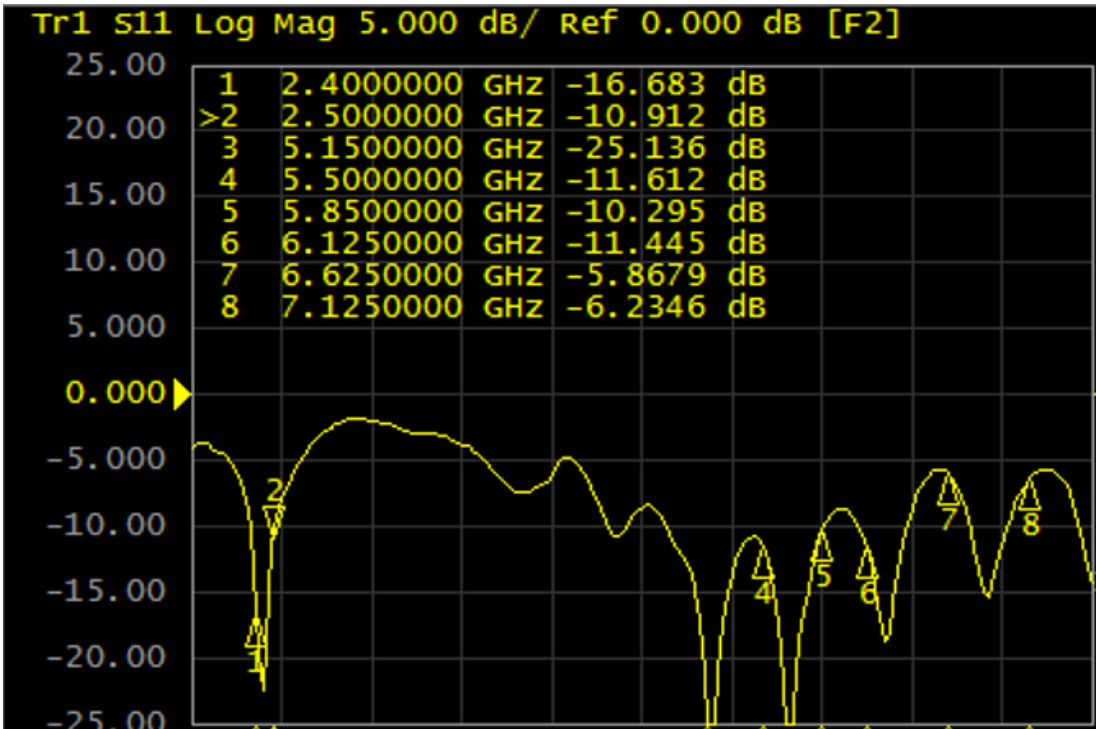
天线基本参数(The Basic Parameters)

项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4GHz~7.125GHz
驻波比 (V. S. W. R)	<3
增益 (Gain)	<4
极化方式(Polarization)	线极化
特性阻抗 (Impedance)	50Q
塑胶材质 (Plastic material)	无
接头形式 (joint type)	4 代端子+Cable
工作温度 (Operation temperature)	-40° C to 85° C
储存温度(Storage temperature)	-40° C to 85° C
湿度(humidity)	Non-condensing 65° C 95% RH
天线图片	

RF Performance Test Report



Antenna VSWR

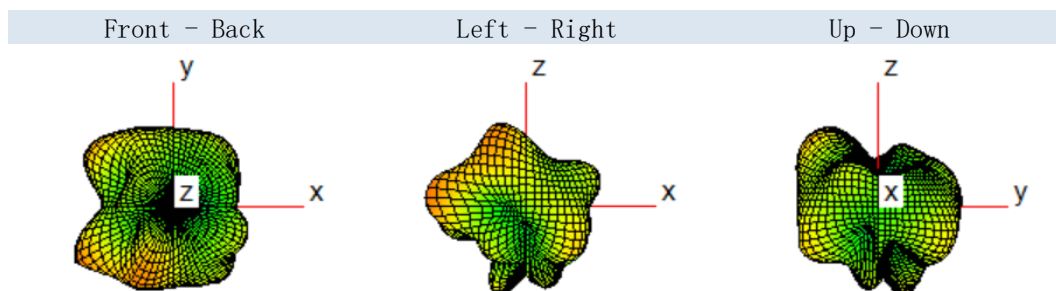


Efficiency & Gain

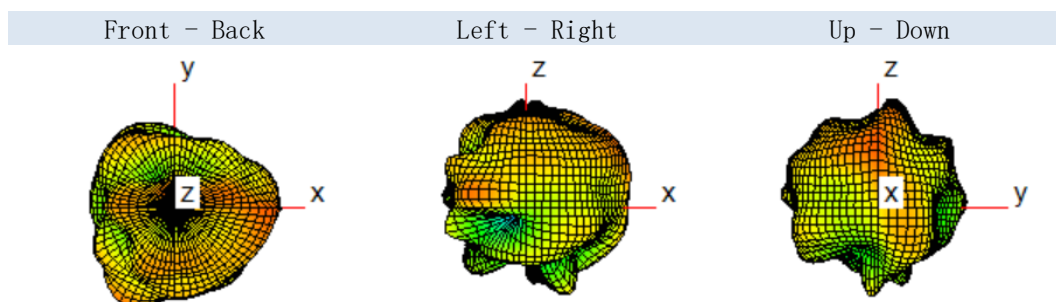
Main Ant			
Fre. (MHz)	Efficiency (dB)	Peak Gain (dBi)	Efficiency (%)
2400	-3.86	1.01	41.11
2450	-4.11	-0.40	38.81
2500	-4.59	-0.74	34.75
5150	-3.67	1.21	42.95
5250	-3.64	1.68	43.20
5350	-3.60	1.18	43.65
5470	-3.44	2.31	45.28
5600	-3.35	1.74	46.23
5725	-2.92	2.47	51.05
5785	-3.08	2.82	49.20
5800	-3.57	1.80	43.95
5850	-3.20	2.37	47.86
5925	-2.96	2.67	50.58
6025	-3.02	2.84	49.88
6125	-3.25	2.82	47.31
6225	-3.66	2.78	43.05
6325	-3.89	2.97	40.83
6425	-4.21	2.58	37.93
6525	-3.92	3.01	40.55
6625	-4.32	2.13	36.90
6725	-4.03	2.57	39.50
6825	-4.55	1.81	35.07
6925	-4.48	1.20	35.64
7025	-4.76	1.55	33.41
7125	-4.70	1.34	33.91

MAIN Antenna 3D Radiation Pattern

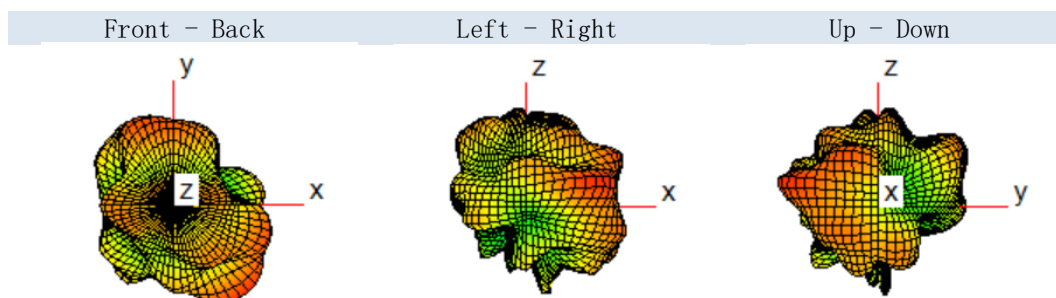
2400MHZ :



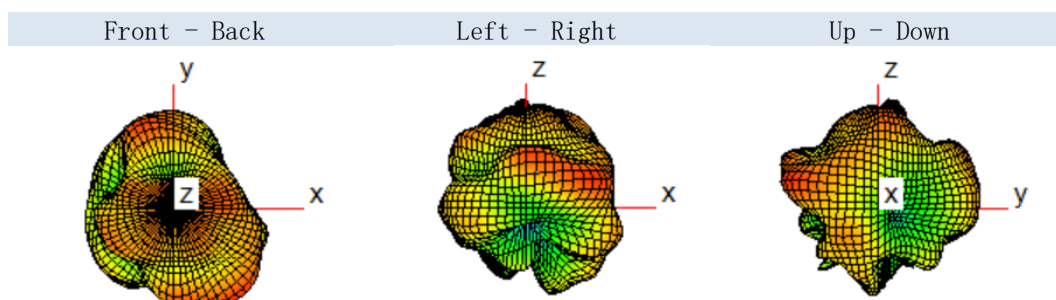
5100MHZ :



5800MHZ :

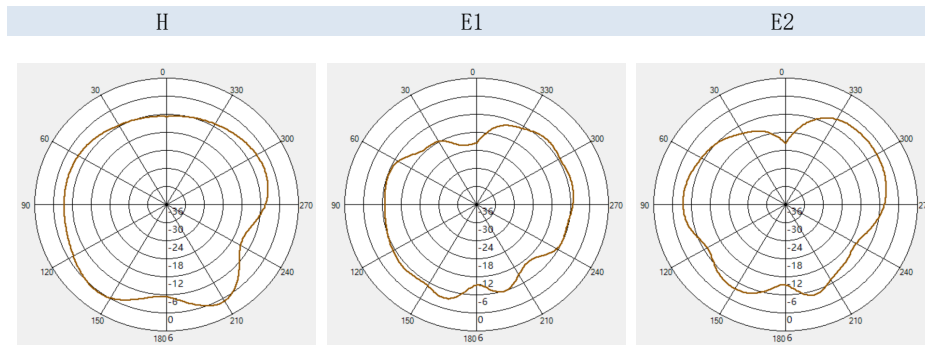


6000MHZ :

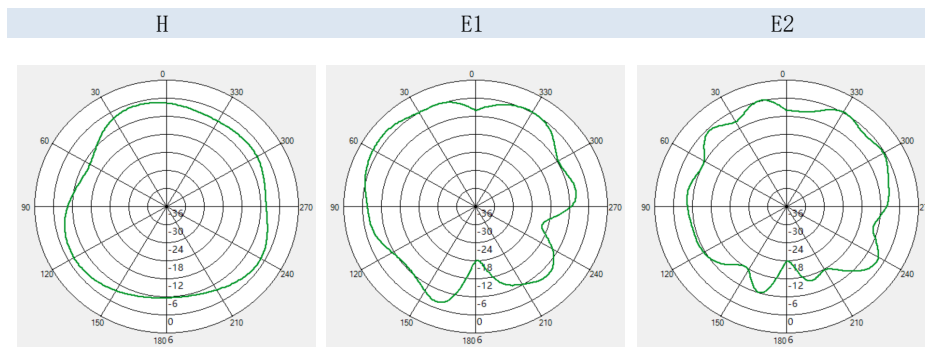


MAIN Antenna 2D Radiation Pattern

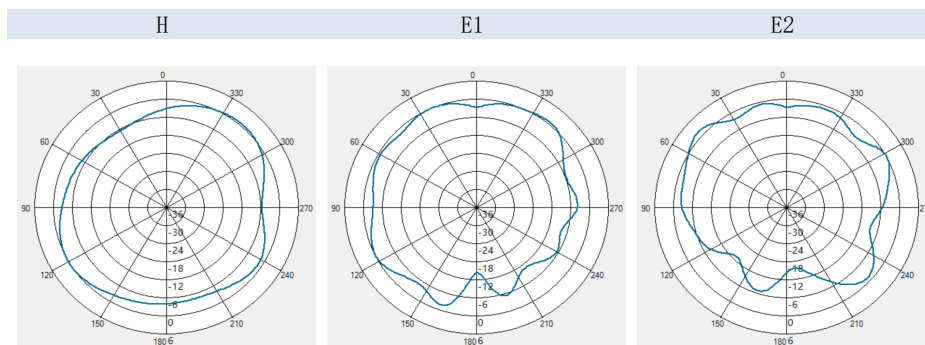
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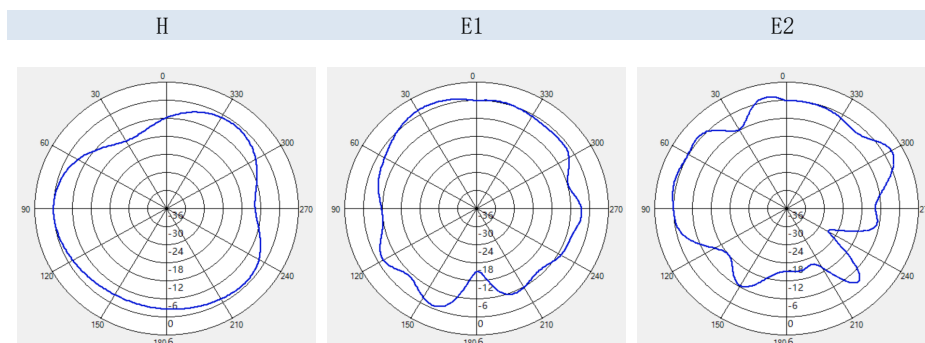
5100MHZ :



5800MHZ :



6000MHZ :



圖騰對照說明

前視圖說明



- 1.電氣特性必須100%測試以及標註*的尺寸須做重點檢驗(SPC)
- 2.本產品使用原物料及製程必須符合立訓"QW-Q-043"環境管理物質相關規定
- 3.此產品及其附屬包裝材料的均質成份須滿足無鹵管制要求:
Br<900ppm,Cl<900ppm,Pb,Br+Cl<1500ppm
- 4.所有焊接處錫膏不可超出PCB及塑件外,且焊接不可有假焊,錫尖,污點等不良

5	---	ADHESIVE	DOUBLE SIDED SELF-ADHESIVE TAPE, 3M467, T=0.05MM			1	TOLERANCE(UNLESS SPECIFIED)		CUSTOMER P/N: M05.08.RPBSH001	LUXSHARE-ICT					
4	---	FPC	PI+ADH+ED CU(1-LAYER)			1	UNIT: mm TOLERANCE								
3	---	TRANSPARENT TUBE	L=16MM			1	>8~25 ± 0.10			APPD: ANDERSON	TITLE: RPBSh_MAIN ANT_ASSY				
2	---	CABLE	FEP DIA. 1.13MM SINGLE ENDED COAXIAL LOW LOSS CABLE (COLOR: BLACK黑色)			1	>25~80 ± 0.15								
1	---	CONNECTOR	SPEEDTECH C87P115-00002-H FOR CABLE DIA. 1.13MM PLUG CONNECTOR			1	>80~250 ± 0.20								
ITEM	PART NO	NAME	DESCRIPTION			Q'TY	>250 ± 0.30			DRAW: DAVI	PART NO: LZZRF053-DT-H				
							>30'~60' ± 0.5'								
							>60'~90' ± 1.5'								
							THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF LUXSHARE-ICT AND SHALL NOT BE REPRODUCED, COPIED OR CILED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF LUXSHARE-ICT								
1		2		3		4		5		6		7		8	