



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.RPBSH002

电声料號

ICT P/N

LZZRF054-DT-H

规格

Description

RPBSH WiFi AUX Antenna

日期

Date

2025/10/20

客戶承認

CUSTOMER APPROVED

射频工程师	结构工程师	研发经理	产品经理

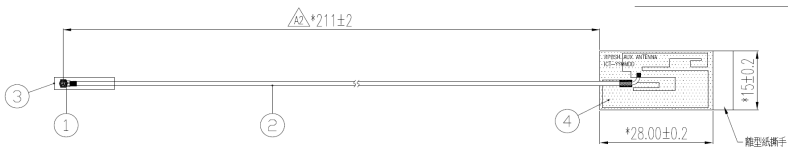
射频工程师	结构工程师	研发经理	产品经理
邹怀阳	韦鸿锐	吴明庭	覃飞翔

FM-RD-11A

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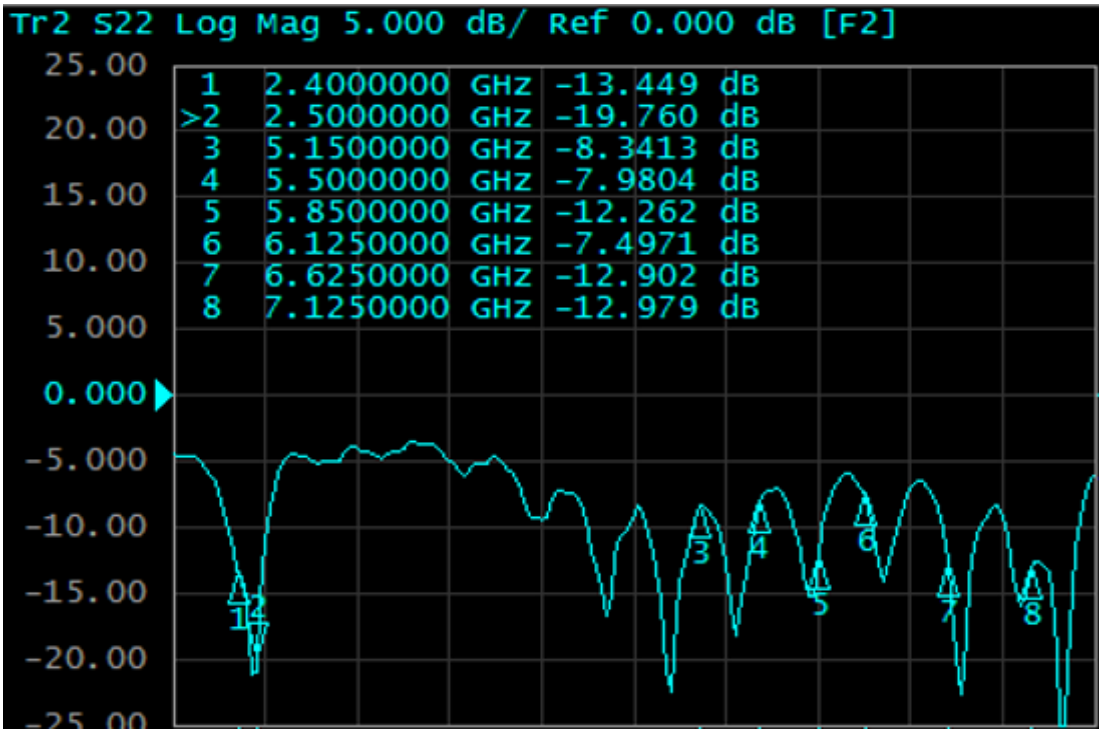
天线基本参数(The Basic Parameters)

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

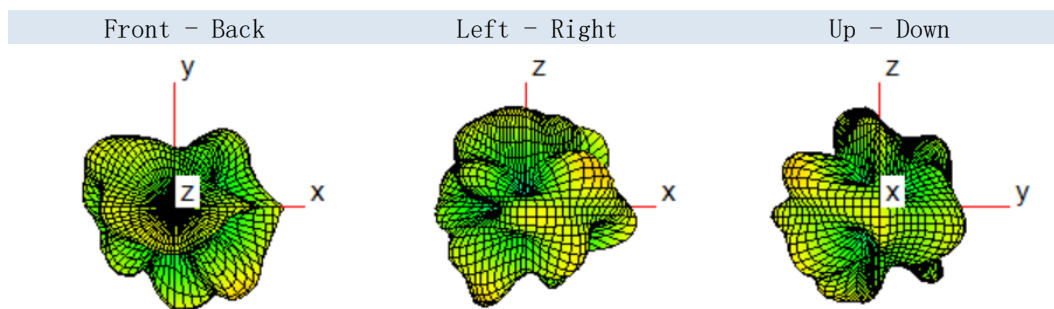


Efficiency & Gain

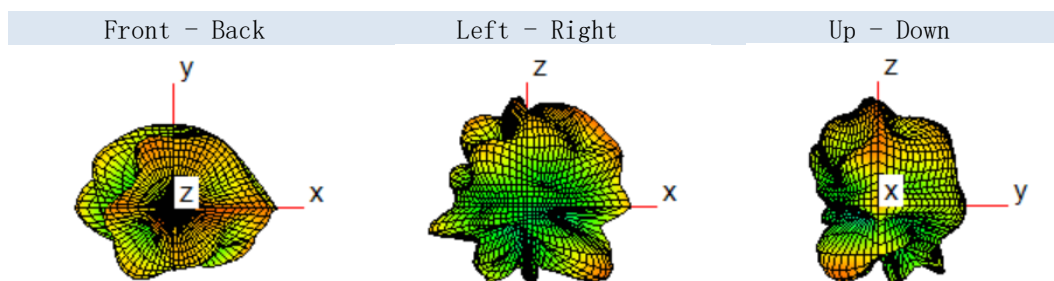
AUX Ant			
Fre. (MHz)	Efficiency (dB)	Peak Gain (dBi)	Efficiency (%)
2400	-4.61	-1.44	34.59
2450	-4.68	-1.06	34.04
2500	-4.57	-0.26	34.91
5150	-3.90	1.71	40.73
5250	-3.65	1.02	43.15
5350	-3.29	1.49	46.88
5470	-3.32	1.82	46.55
5600	-3.77	1.95	41.97
5725	-3.46	2.04	45.08
5785	-3.43	0.62	45.39
5800	-4.00	1.20	39.81
5850	-4.20	0.96	38.01
5925	-4.14	1.40	38.54
6025	-3.84	1.77	41.30
6125	-3.77	1.64	41.97
6225	-4.01	2.17	39.71
6325	-4.27	2.91	37.41
6425	-4.56	1.45	34.99
6525	-4.45	-0.10	35.89
6625	-4.57	-0.10	34.91
6725	-4.59	-0.54	34.75
6825	-4.78	0.00	33.26
6925	-4.71	0.29	33.80
7025	-4.66	0.95	34.19
7125	-4.83	-0.04	32.92

MAIN Antenna 3D Radiation Pattern

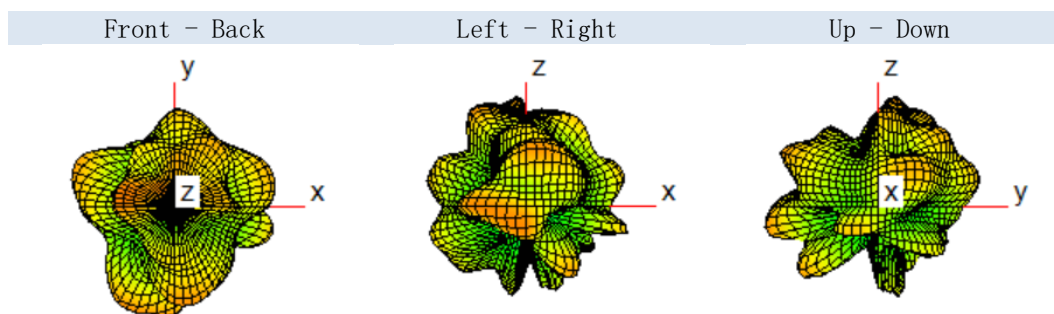
2400MHZ :



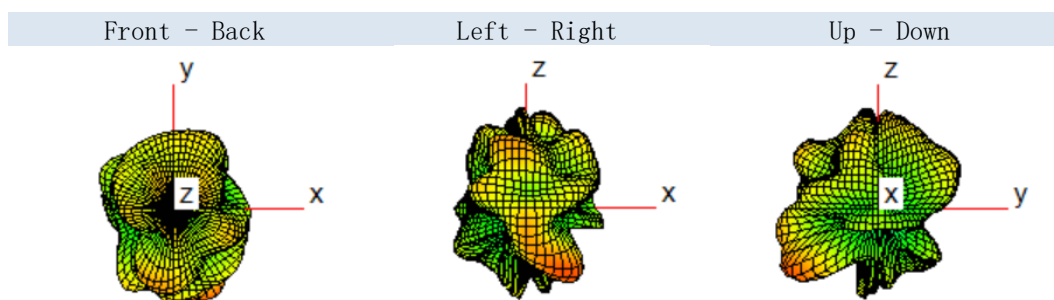
5100MHZ :



5800MHZ :

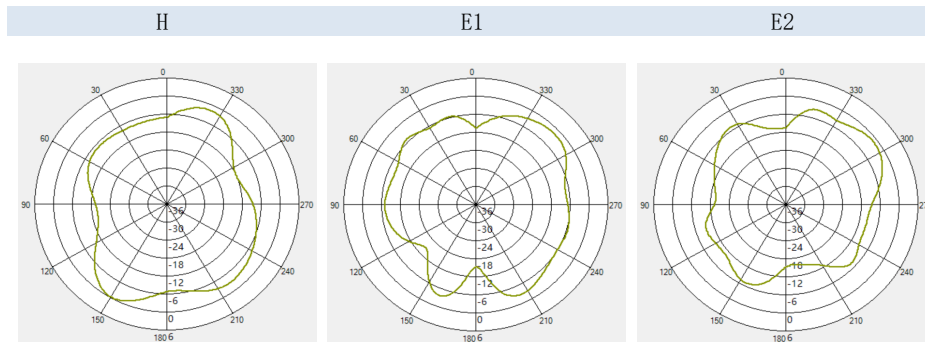


6000MHZ :

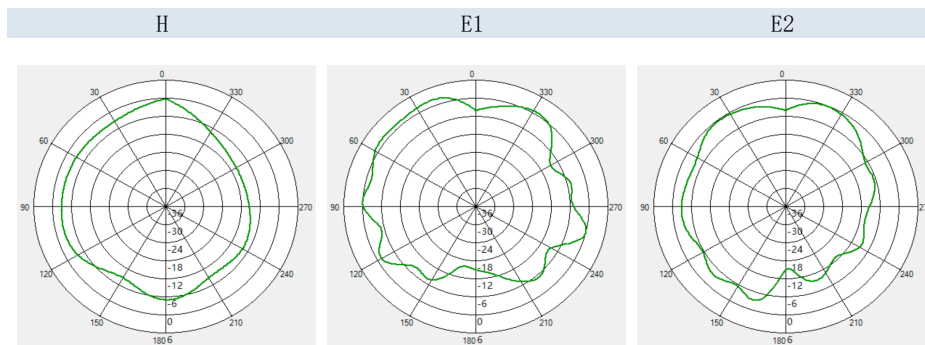


MAIN Antenna 2D Radiation Pattern

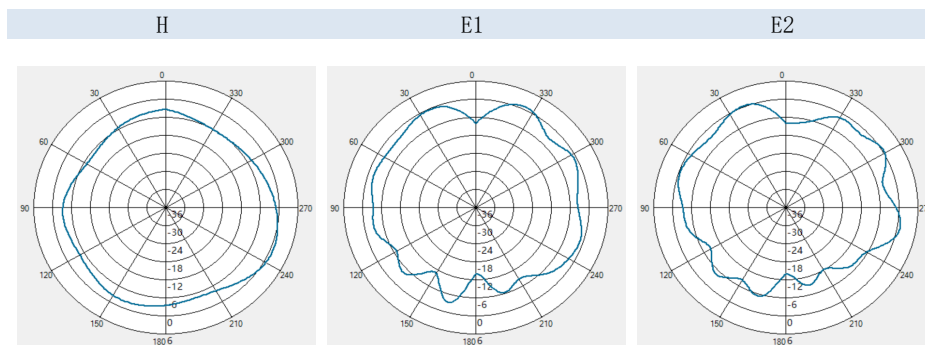
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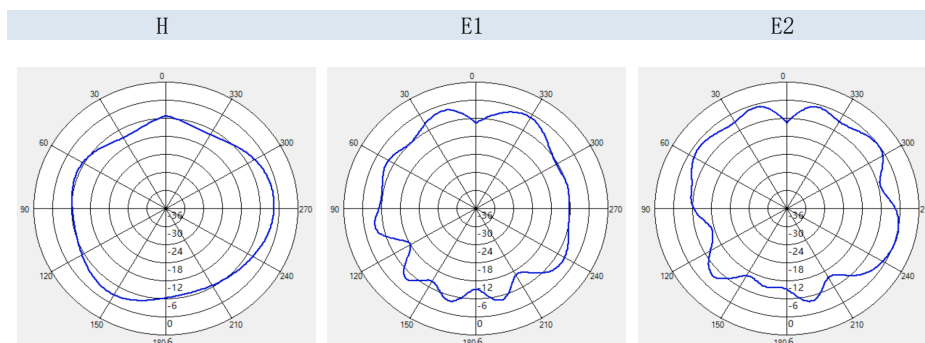
5100MHZ :

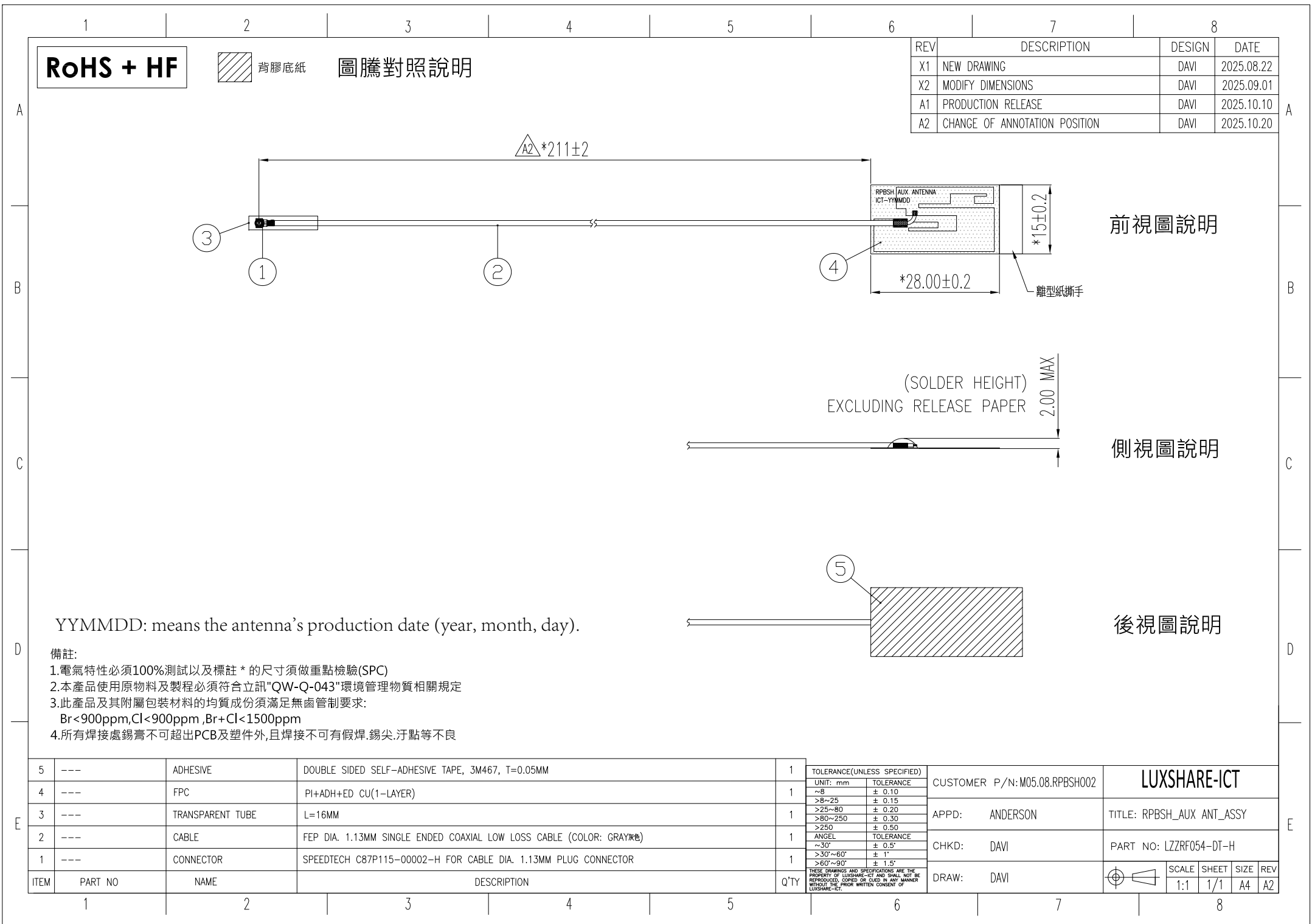


5800MHZ :



6000MHZ :





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YYMMDD: means the antenna's production date (year, month, day).

- 備註:
- 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訊"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 ,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.汙點等不良

5	---	ADHESIVE	DOUBLE SIDED SELF-ADHESIVE TAPE, 3M467, T=0.05MM	1	TOLERANCE(UNLESS SPECIFIED) UNIT: mm TOLERANCE ~8 ± 0.10 >8~25 ± 0.15 >25~80 ± 0.20 >80~250 ± 0.30 >250 ± 0.50 ANGEL TOLERANCE ~30° ± 0.5° ~30°~60° ± 1° >60°~90° ± 1.5°	CUSTOMER P/N:M05.08.RPBSH002	LUXSHARE-ICT			
4	---	FPC	PI+ADH+ED CU(1-LAYER)	1						
3	---	TRANSPARENT TUBE	L=16MM	1	APPD: ANDERSON	TITLE: RPBSh_AUX ANT_ASSY				
2	---	CABLE	FEP DIA. 1.13MM SINGLE ENDED COAXIAL LOW LOSS CABLE (COLOR: GRAY灰色)	1						
1	---	CONNECTOR	SPEEDTECH C87P115-00002-H FOR CABLE DIA. 1.13MM PLUG CONNECTOR	1	CHKD: DAVI	PART NO: LZZRF054-DT-H				
					DRAW: DAVI			SCALE	SHEET	SIZE
ITEM	PART NO	NAME	DESCRIPTION			Q'TY		1:1	1/1	A4