



SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER MeiG Smart Technology Co., Ltd

Part No.

Vonder name Shenzhen Luxshare Acoustics Technology Ltd.

Supplier Address Block A,SANYO New Industrial Zone,West HaoYi,Shajing, Bao'an,Shenzhen,China

ICT P/N LZZRF050-DT-H

Description SHWSA WiFi AUX Antenna

Date 2025/8/18

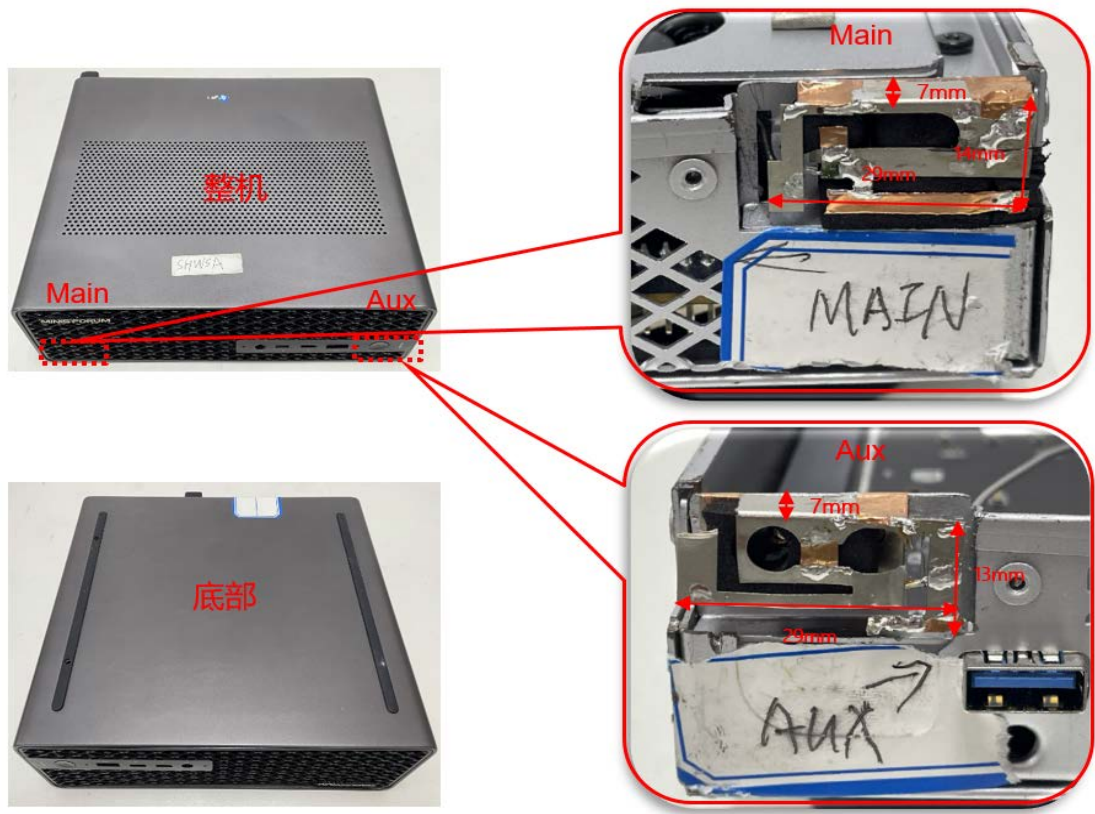
Customer confirmation			
RF Engineer	ME Engineer	Manager	PM
LUXSHARE ICT			
RF Engineer	ME Engineer	Manager	PM
ShiSen Li	Baojun Zhan	AllenMT Wu	Feixiang Qin

FM-RD-11A

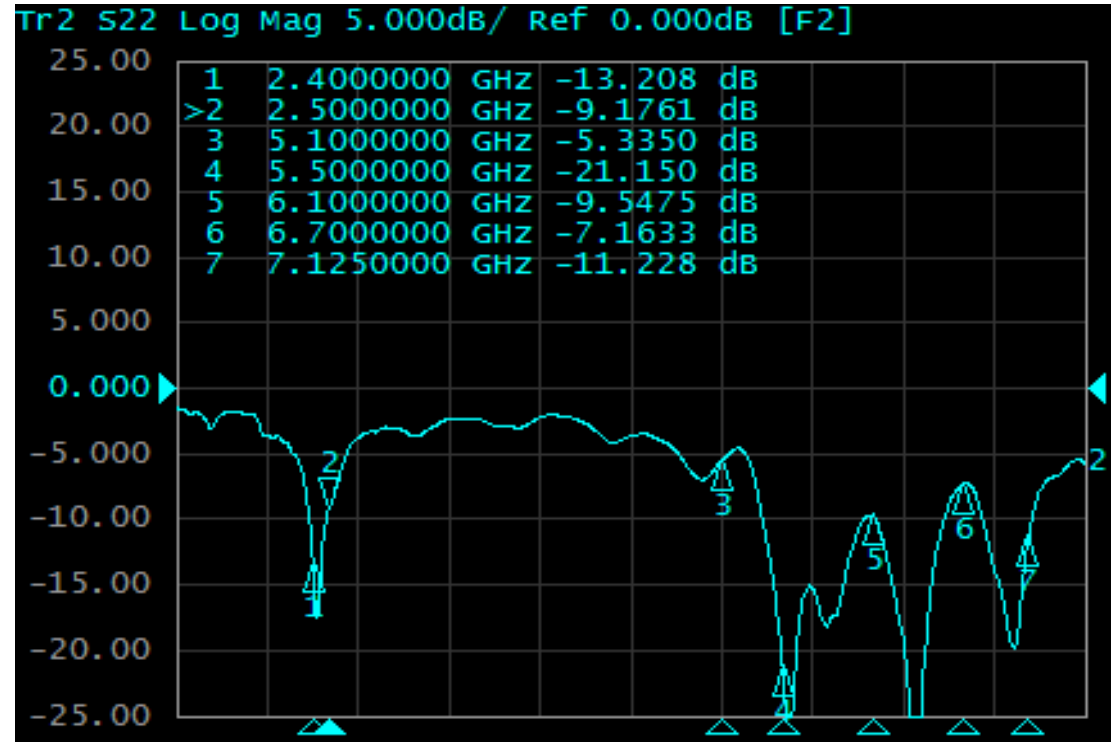
index

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RF Performance Test Report



Antenna VSWR

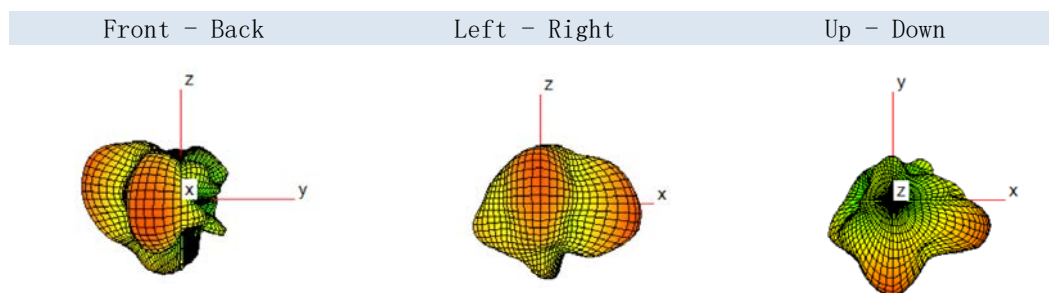


Efficiency & Gain

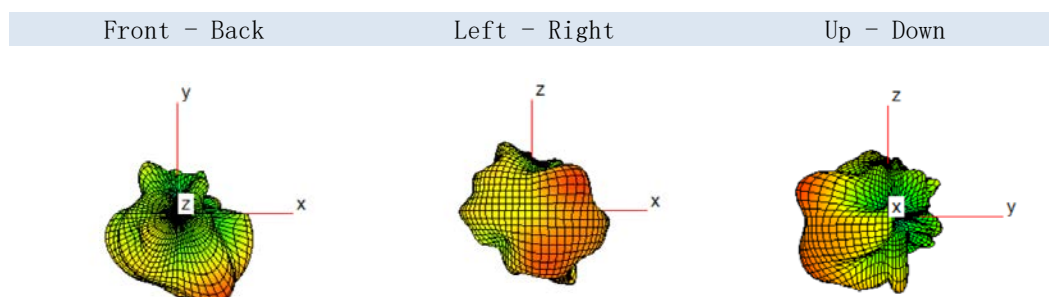
Main Ant			
Fre. (MHz)	Efficiency (dB)	Peak Gain (dBi)	Efficiency (%)
2400	-4.50	1.75	35.47
2450	-5.27	1.57	29.69
2500	-5.70	1.41	26.94
5150	-5.42	1.13	28.70
5250	-4.87	2.96	32.56
5350	-4.20	2.31	37.98
5470	-4.05	2.46	39.31
5600	-3.90	2.35	40.78
5725	-3.97	2.25	40.06
5785	-3.44	3.11	45.30
5800	-3.35	3.16	46.28
5850	-3.64	2.70	43.21
5925	-3.50	3.12	44.71
6025	-4.58	2.34	34.82
6125	-3.95	3.94	40.29
6225	-3.31	3.81	46.64
6325	-3.31	3.32	46.63
6425	-3.16	3.52	48.30
6525	-3.93	3.48	40.49
6625	-4.81	2.32	33.06
6725	-4.90	1.86	32.33
6825	-4.48	3.69	35.63
6925	-4.49	2.94	35.60
7025	-4.94	2.17	32.05
7125	-4.64	2.83	34.34

MAIN Antenna 3D Radiation Pattern

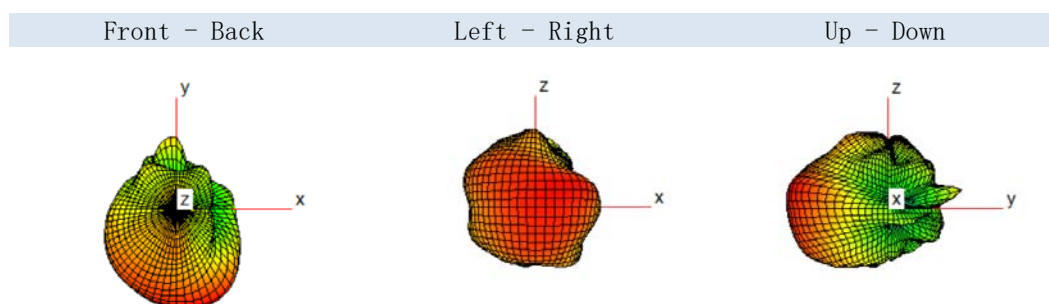
2400MHZ :



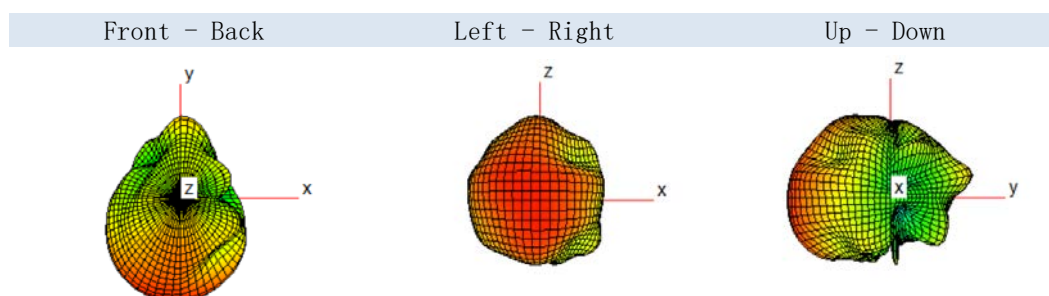
5100MHZ :



5800MHZ :

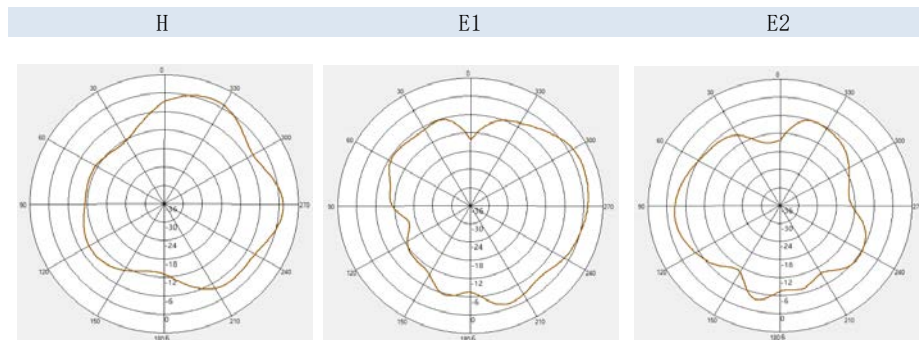


6000MHZ :

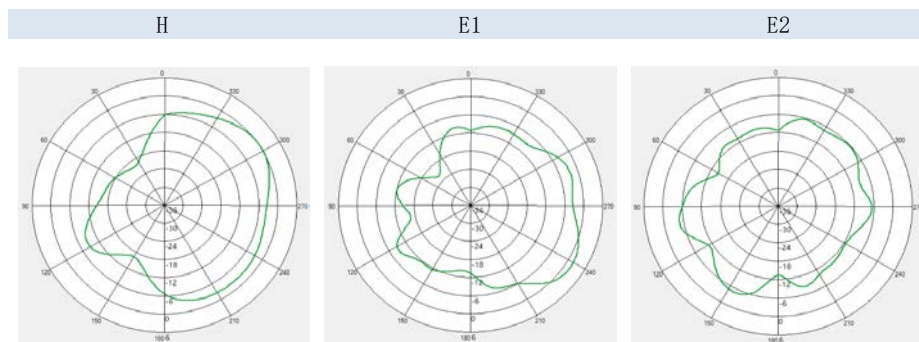


MAIN Antenna 2D Radiation Pattern

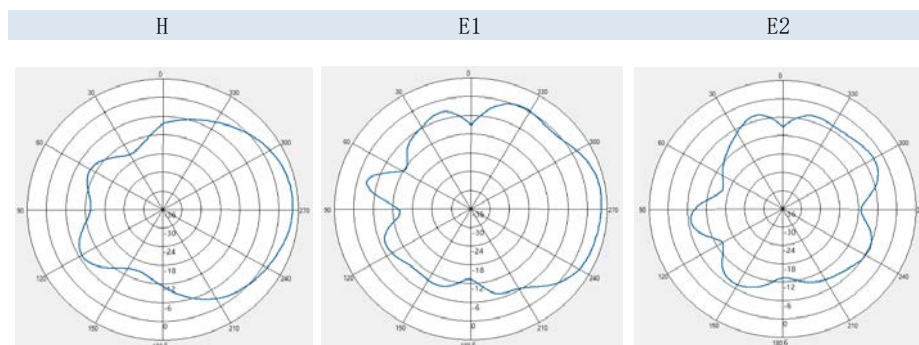
2400MHZ :



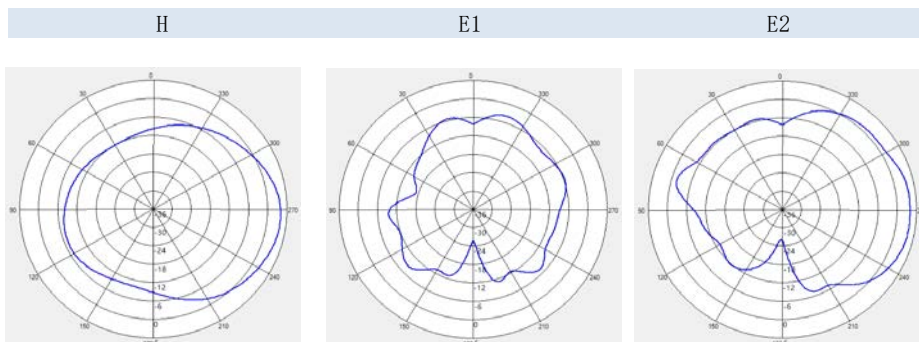
5100MHZ :



5800MHZ :



6000MHZ :



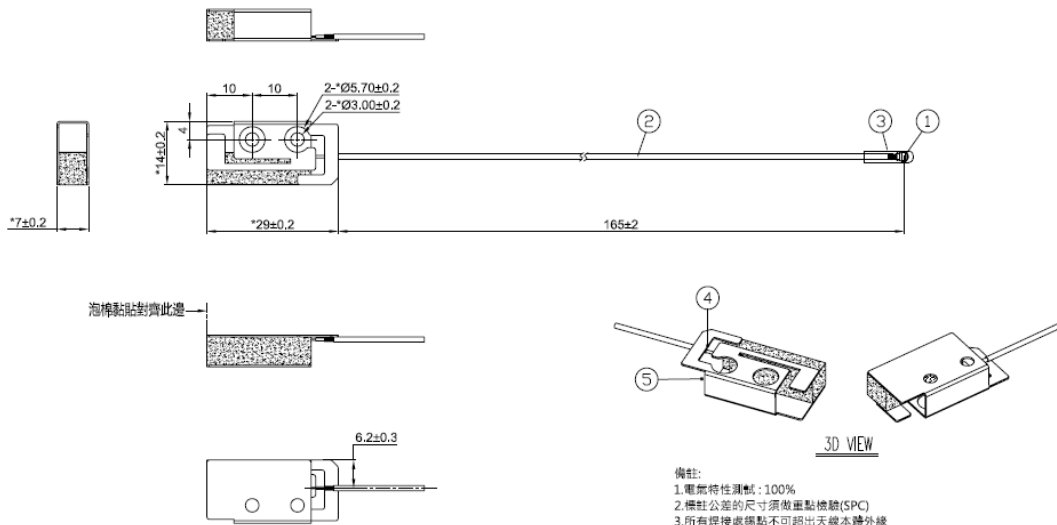
RoHS + HF



泡棉

图腾对照说明

REV	DESCRIPTION	DESIGN	DATE
X1	NEW DRAWING	DAW	2025.07.21



備註:

- 1.電氣特性測試:100%
- 2.標註公差的尺寸須重點檢驗(SPC)
- 3.所有焊接處無點不可超出天線本體外緣
- 4.焊接不可有虛焊,假焊,翹尖,污點等不良
- 5.焊錫表面無焊錫且光滑飽滿
- 6.本產品使用原物料及製程必須符合立航"QW-Q-043"環境管理物質相關規定
- 7.此產品及其附屬包裝材料的有害成份須滿足無害物質要求:
BR<900PPM,CL<900PPM,BR+CL<1500PPM
- 8.需滿足最新TCO規範要求

5	----	SPONGE	LxWxH=23*7*6.2; EVA 45° INCLUDED ADHESIVE, COLOR: BLACK	1	TOLERANCE(UNLESS SPECIFIED)	CUSTOMER P/N:M05.08.SHWSA002	LUXSHARE-ICT
4	----	SHEET METAL	SUS430 TIN-PLATED T=0.4MM	1	UNIT: mm		
3	----	TRANSPARENT TUBE	L=16MM	1	±0.15	APPD: ANDERSON	TITLE: SHWSA_AUX_ANT_ASM
2	----	CABLE	FEP DIA. 1.13MM SINGLE ENDED COAXIAL LOW LOSS CABLE (COLOR: GRAY)	1	±0.30	CHKD: DAW	PART NO: LZRF050-0T-H
1	----	CONNECTOR	C87P115-00002-H FOR CABLE DIA. 1.13MM PLUG CONNECTOR	1	±0.50	DRAW: DAW	
ITEM	PART NO	NAME	DESCRIPTION	QTY			
1							
2							
3							
4							
5							
6							
7							
8							