

Haiheng Technology.Inc

东莞市海恒电子科技有限公司

Product Number: AB2400-4321SMB-2M

Product Name: Antenna

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Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2026.3.4	初版	

Manufacture address : Room 209, 2/F, No. 51 Jinghai East Road, Shatou South Area, Chang'an Town, Dongguan, Guangdong, China

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1. Specification

Sample Photo



A. Electrical Characteristics

Frequency 频率	2400-2500MHz
S.W.R. 驻波比	≤ 2.0
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm

B. Material & Mechanical Characteristics

Material of Plastic 塑胶材质	ABS
Cable Type 线材规格	RG174LL
Connector Type 连接器规格	SMB母头母针

C. Environmental

Storage Temperature 存储温度	- 30 °C ~ +65 °C
Operation Temperature 工作温度	- 30 °C ~ +65 °C

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2. Characteristics and Reliability Test

Test Items 测试项目		Test Condition and Procedure 测试方法	Requirements 要求	Result 结果
1	V.S.W.R. 电压驻波比	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
2	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal 单独定义产品端子拉力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
3	Torque Test 扭力	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal 单独定义产品端子之顺时针及逆时针扭力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
4	Dimension 尺寸	Inspection of dimension, color, material, package, surface process. 检查尺寸, 颜色, 材料, 包装, 表面处理	Directive DUT specification 符合待测物规范	PASS
5	Salt Spray 盐雾	GB / T 2423.17-2008 Temp: 35°C; RH: $\geq 95\%$; NaCl solution: $\geq 5\%$; Time: 24H 温度 35°C; 湿度 $\geq 95\%$; 盐水浓度 $\geq 5\%$; 测试 24H	1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
6	Temperature and Humidity Chamber 恒温恒湿	GB / T 2423.3-2006 Temp: 65°C / 12 H; -30°C / 12H RH: $\geq 90\%$; Time: 24H 温度 65°C 测试 12H 转 -30°C 测试 12H; 湿度 $\geq 90\%$; 时间 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 恢复 2H 后, 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
7	Aging test 老化	GB / T 2423.2 - 2008 Temp: 65°C; Time: 24 hours 温度 65°C, 测试 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
8	RoHS	With Reference to IEC 62321:2008 with flow chart 参考 IEC 62321 测试流程	Directive RoHS 2011/65/EU 符合 RoHS 2015/863/EU 标准	PASS

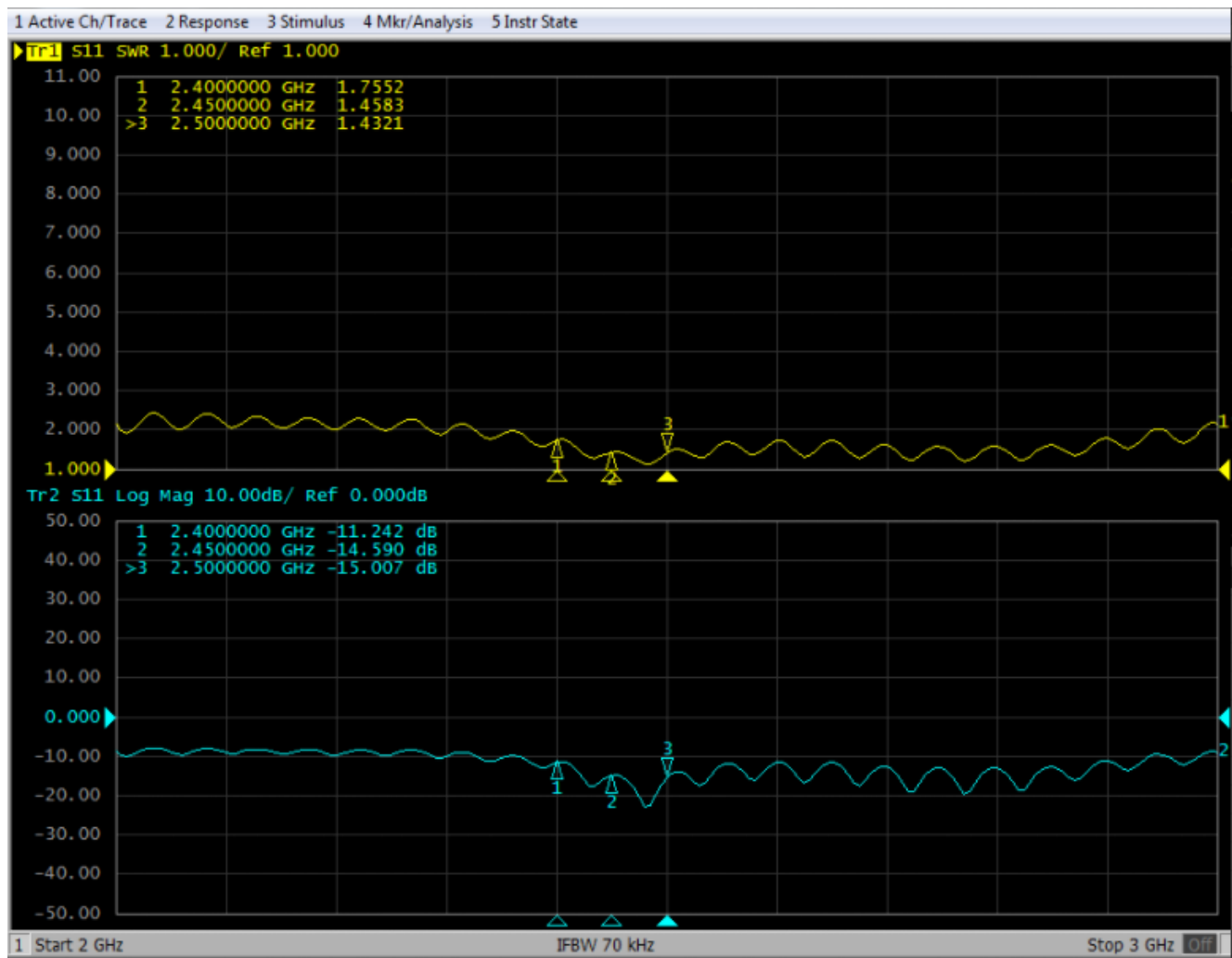
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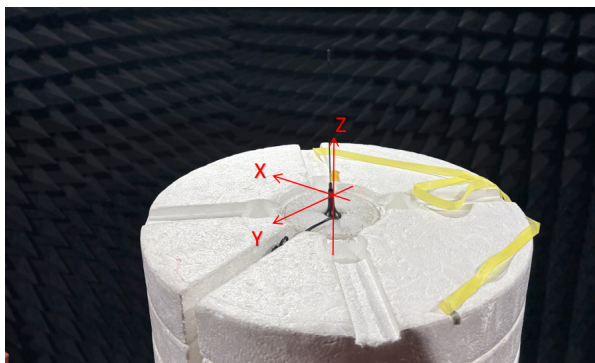
Product Number: AB2400-4321SMB-2M

Product Name: Antenna

3. Antenna - S Parameter Test Data



序号	1	2	3	4	5	6	7	8	9	10	11
频率(MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
增益 (dBi)	0.06	0.12	0.18	0.23	0.26	0.32	0.28	0.25	0.21	0.12	0.10
效率 (%)	31.55	32.51	33.27	34.70	35.88	36.62	35.67	34.51	33.38	32.71	31.32



4. Mechanical Drawing See attached files

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Product Number: AB2400-4321SMB-2M

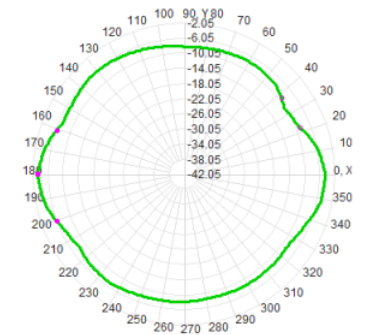
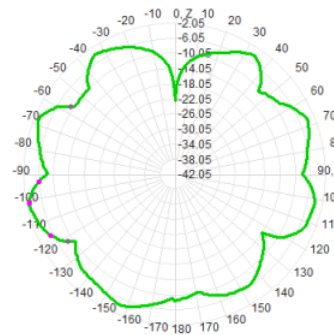
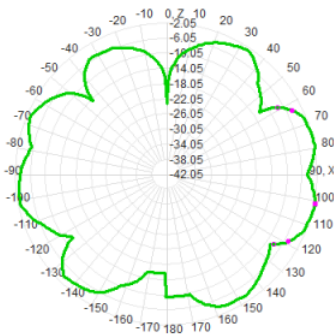
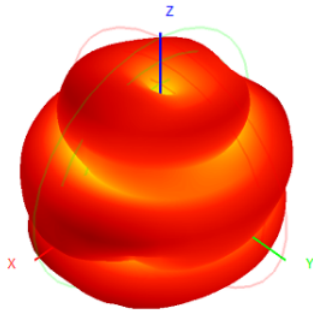
Product Name: Antenna

2400MHz

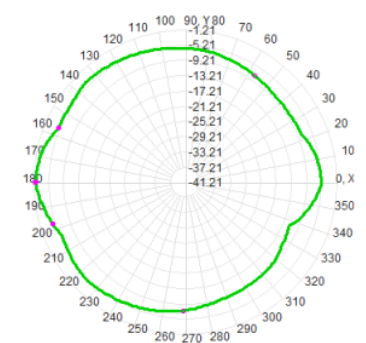
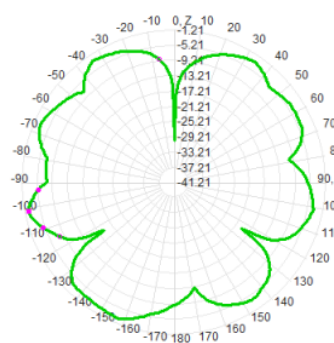
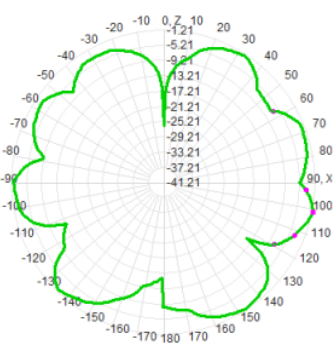
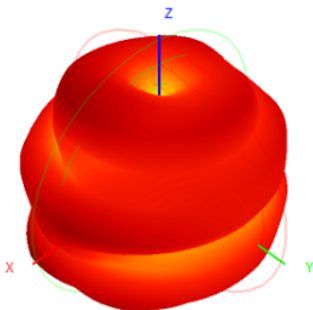
XZ

YZ

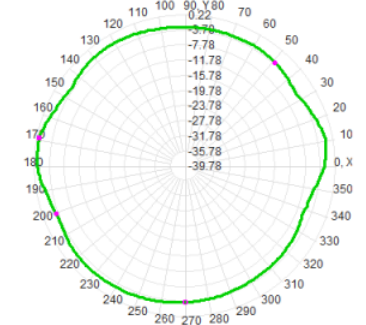
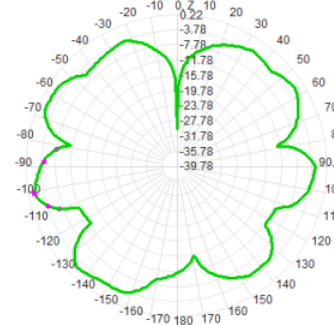
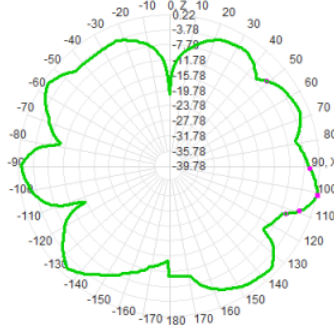
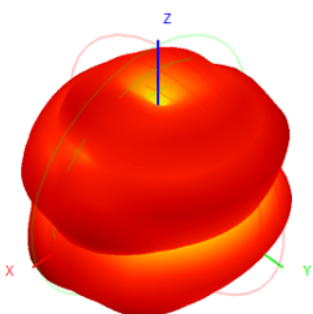
XY



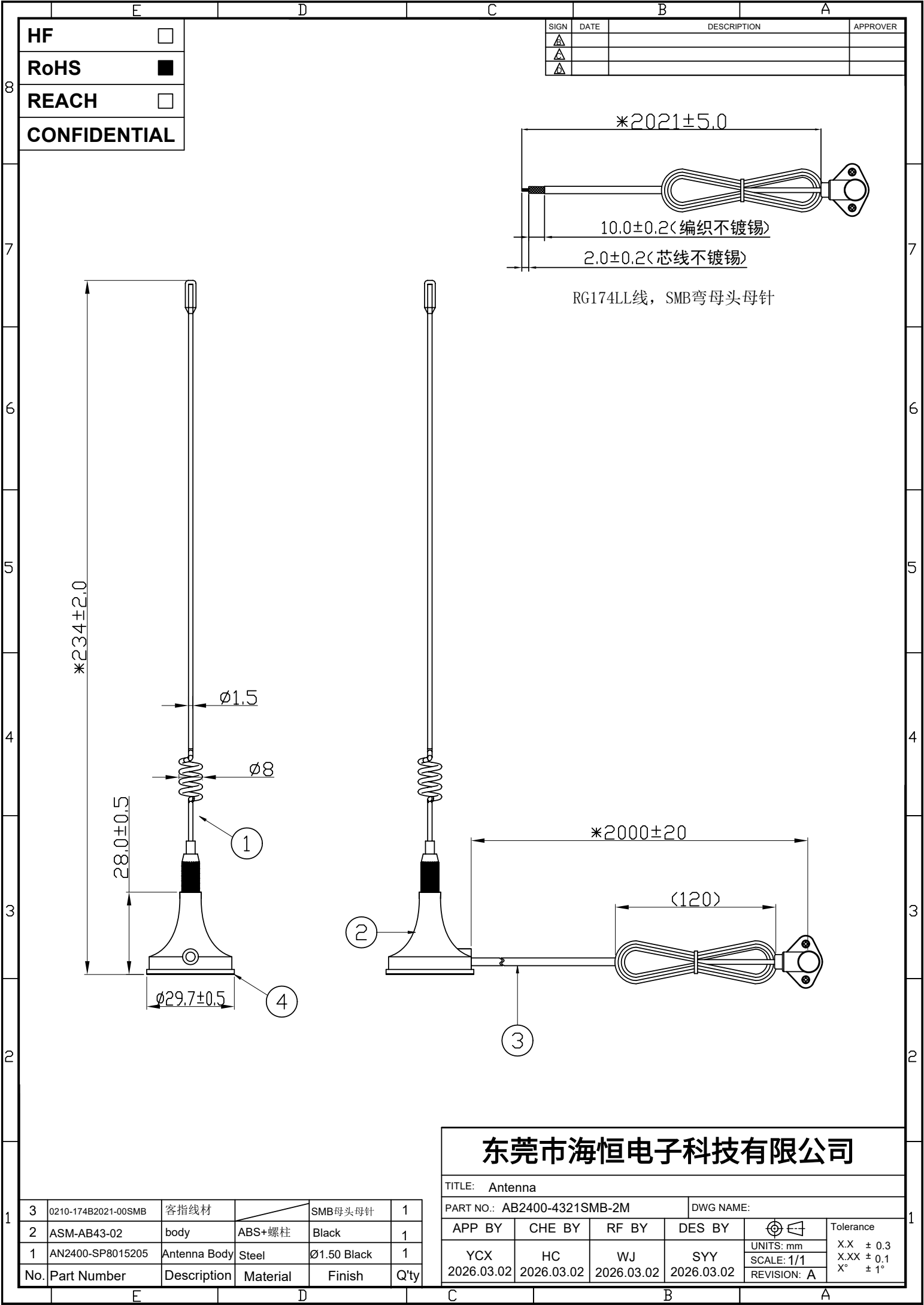
2450MHz



2500MHz



5.Mechanical Drawing See attached files



HF	☐
RoHS	☒
REACH	☐
CONFIDENTIAL	

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

3	0210-174B2021-00SMB	客指线材		SMB母头母针	1
2	ASM-AB43-02	body	ABS+螺柱	Black	1
1	AN2400-SP8015205	Antenna Body	Steel	Ø1.50 Black	1
No.	Part Number	Description	Material	Finish	Q'ty

东莞市海恒电子科技有限公司					
TITLE: Antenna					
PART NO.: AB2400-4321SMB-2M				DWG NAME:	
APP BY	CHE BY	RF BY	DES BY		Tolerance
YCX	HC	WJ	SY		X.X ± 0.3
2026.03.02	2026.03.02	2026.03.02	2026.03.02		X.XX ± 0.1
					X° ± 1°
				REVISION: A	

产品包装规范

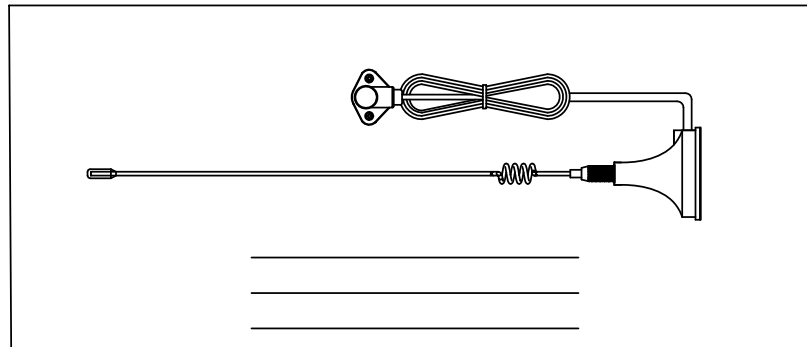
PACKING CRITERION

Date: 2026.03.02

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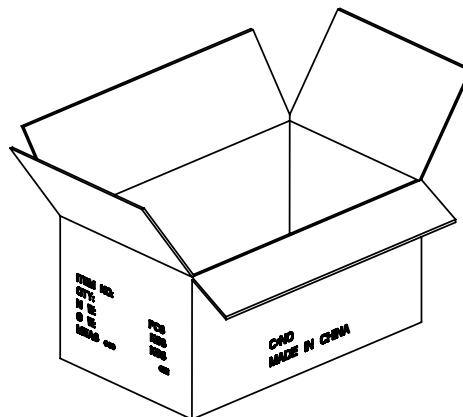
Part Number : AB2400-4321SMB-2M	Revision : A
Name: Antenna	Customer : ALL

1 . Enter PE bag。



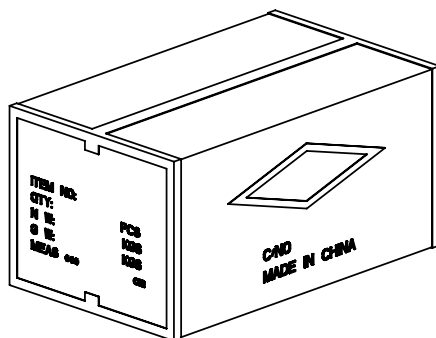
1pcs/ PE bag

2.PACKING 。

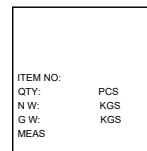


以实际数量为准

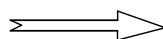
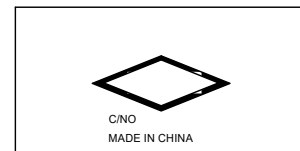
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: HC

DESIGNED BY: SY Y