

Haiheng Technology.Inc

东莞市海恒电子科技有限公司

Product Number: AB0433-4311SMB-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	400-470MHz
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

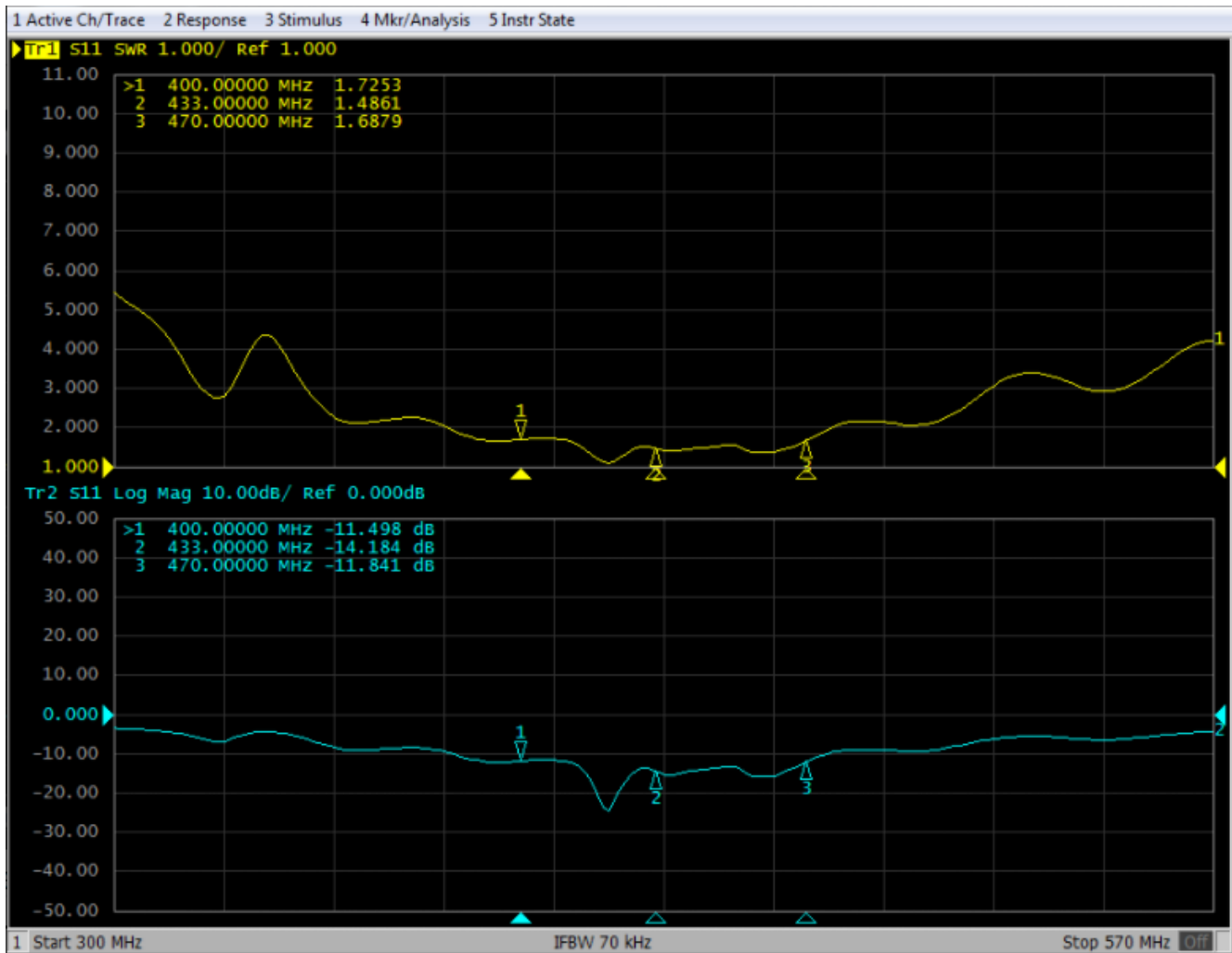
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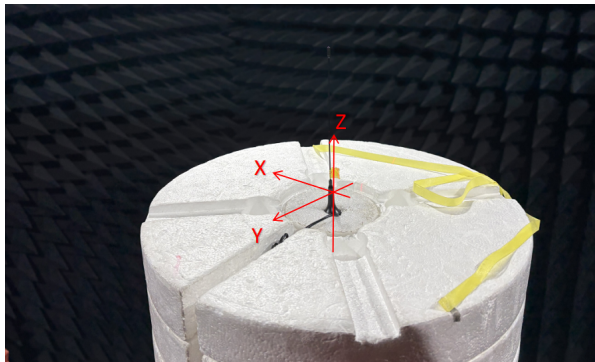
Product Number: AB0433-4311SMB-2M

Product Name: Antenna

3. Antenna - S Parameter Test Data



序号	1	2	3	4	5	6	7	8	9
频率(MHz)	400.0	410.0	420.0	430.0	433.0	440.0	450.0	460.0	470.0
增益 (dBi)	0.56	0.67	0.83	0.96	1.01	0.92	0.82	0.68	0.59
效率 (%)	30.08	31.34	32.58	33.08	34.88	33.03	32.55	31.43	30.13



4. Mechanical Drawing See attached files

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Product Number: AB0433-4311SMB-2M

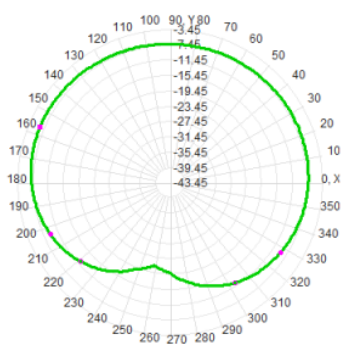
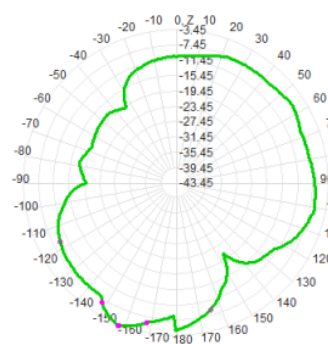
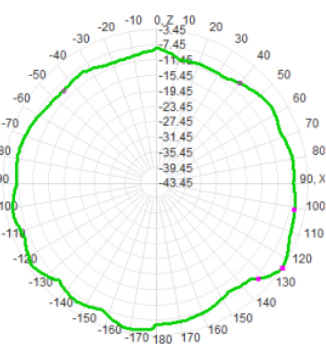
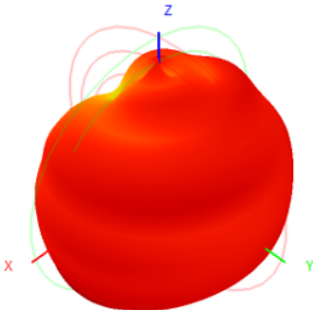
Product Name: Antenna

400MHz

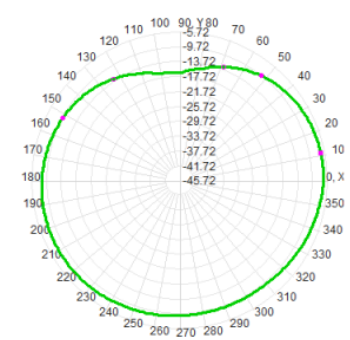
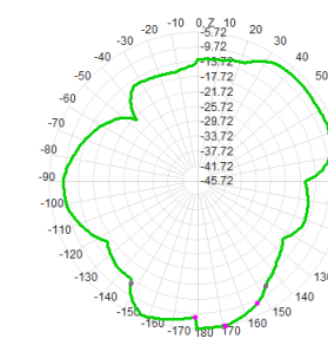
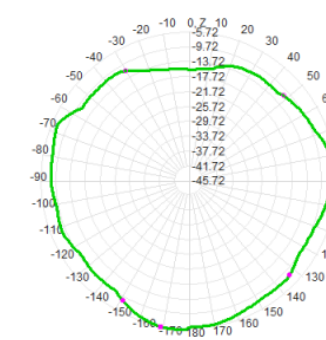
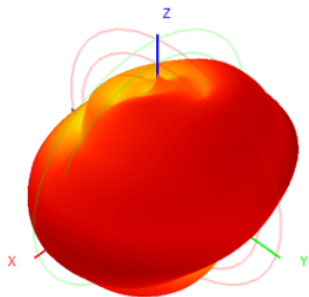
XZ

YZ

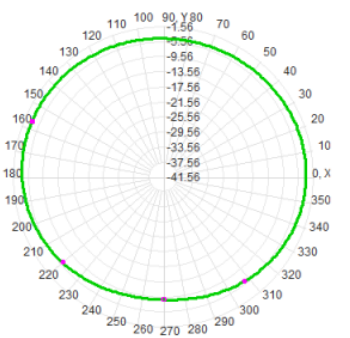
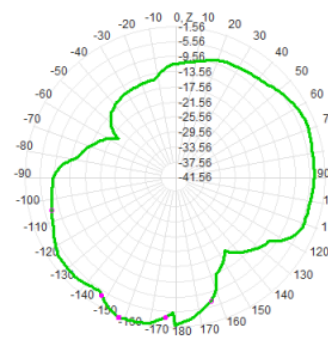
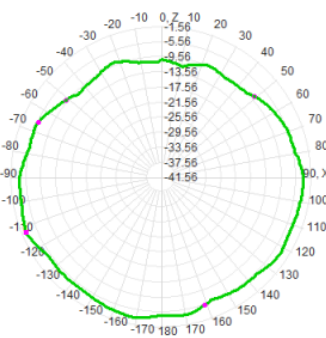
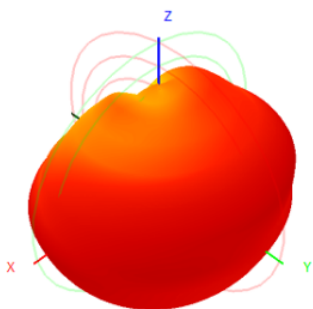
XY



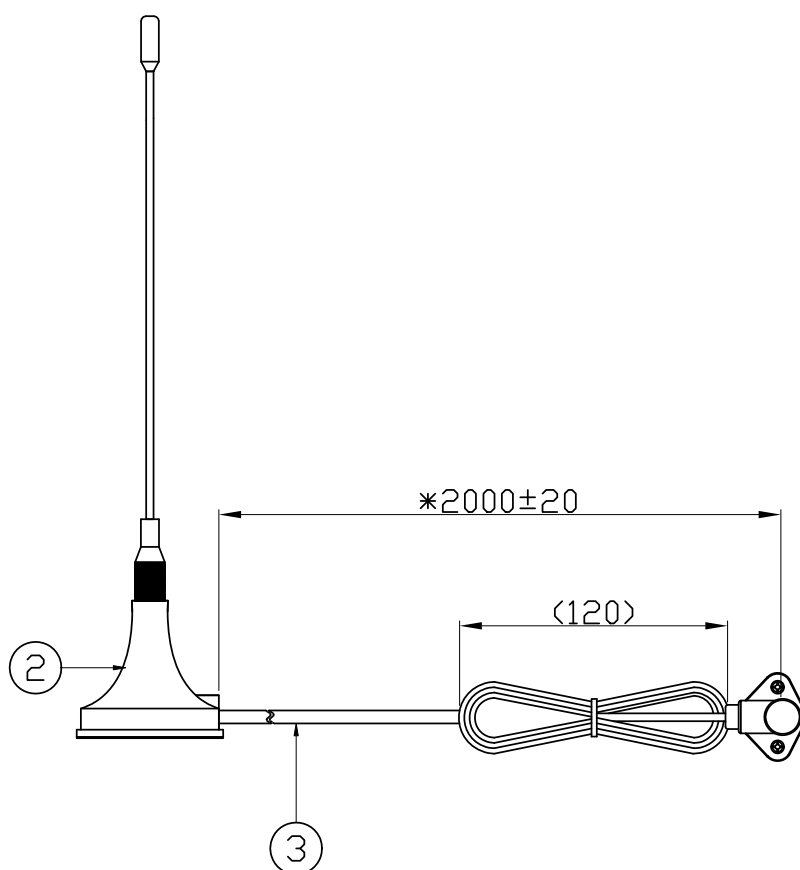
433MHz



470MHz



5.Mechanical Drawing See attached files



东莞市海恒电子科技有限公司						
TITLE: Antenna						
PART NO.: AB0433-4311SMB-2M				DWG NAME:		
APP BY	CHE BY	RF BY	DES BY		Tolerance	
			SYY 2026.03.02		UNITS: mm	X.X ± 0.3
					SCALE: 1/1	X.XX ± 0.1
					REVISION: A	X° ± 1°

产品包装规范

PACKING CRITERION

Date: 2026.03.02

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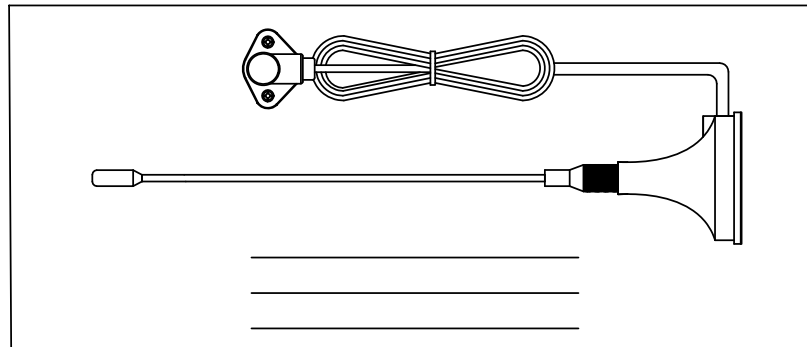
Part Number : AB0433-4311SMB-2M

Revision : A

Name: Antenna

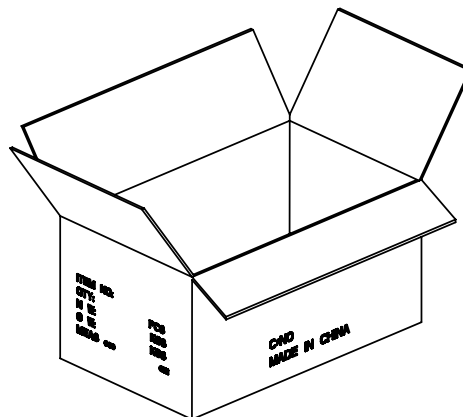
Customer : ALL

1 . Enter PE bag。



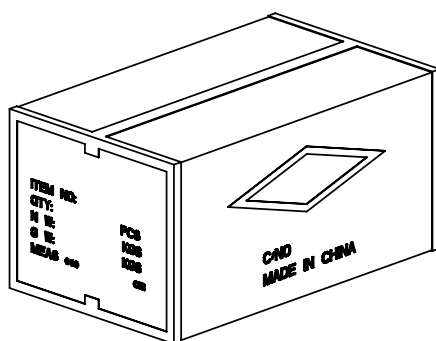
1pcs/ PE bag

2.PACKING 。

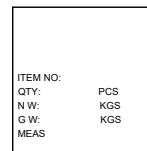


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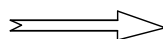
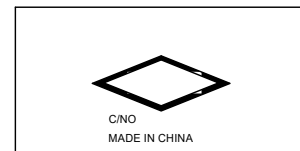
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: HC

DESIGNED BY: SY Y