

规格书

specification

制造厂商

Manufacturer :

Dongguan HJ Technology Co. Ltd

地址

Address:

No.3, taihe road,quantang industrial zone, liaobu town, dongguan city, guangdong province, china

产品名称

Part Name:

Direct-connect External Antenna

料号

P/N:

3D2601BK00-002

规格描述

Spec Description :

G26 black with silk screen, PCB, 141+SMA male and female pins, exposed length 47mm. Size: 115.3x18mm
Peak Gain: 2.4GHz-2.5GHz 3dBi 5.150GHz-5.850GHz 5.18dBi

编制日期

Prepared Date:

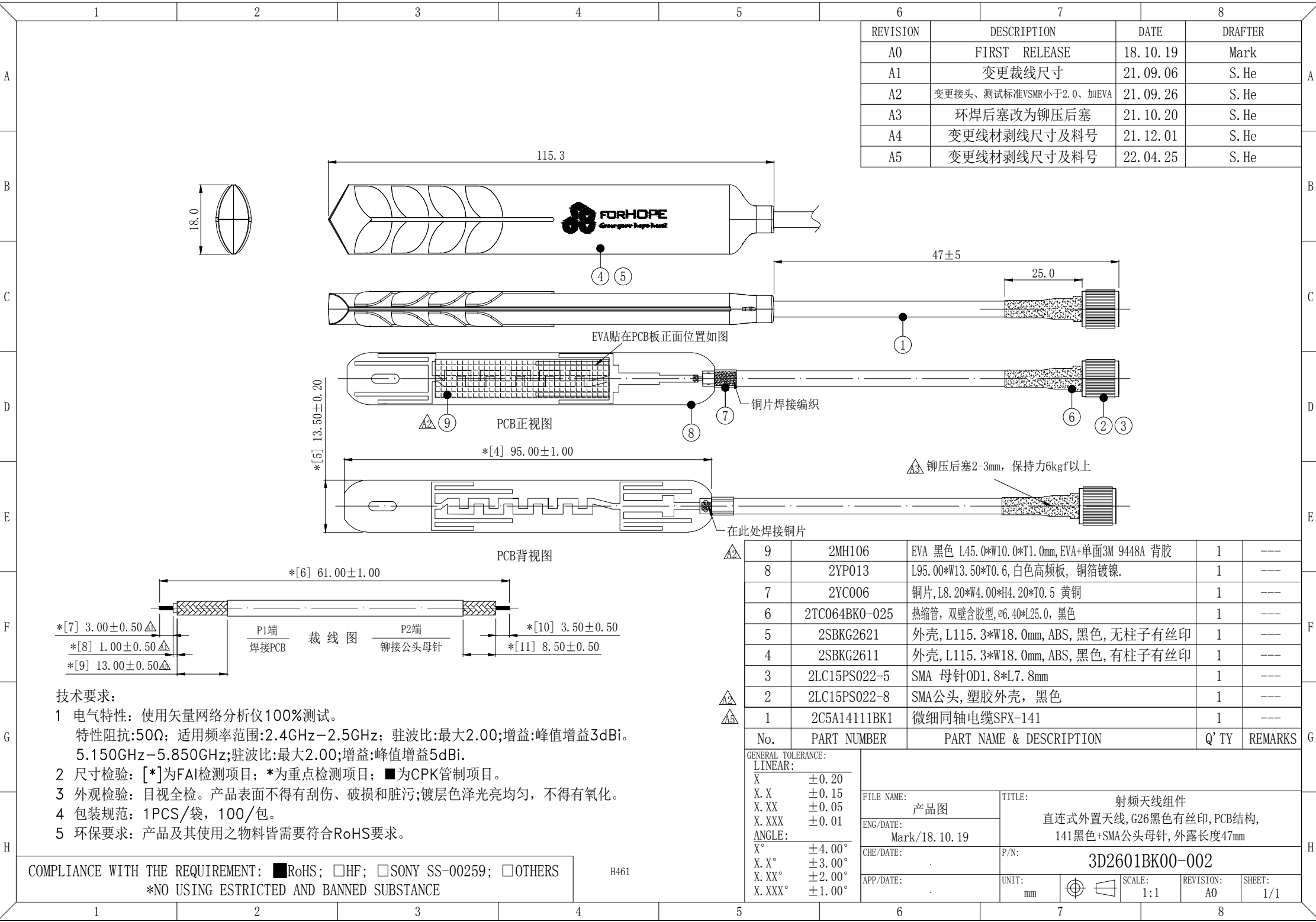
06.21

签署Signature			
客户Customer		供应商Supplier	
承认 Confirmed by		编制 Prepared by	S. He
批准 Approved by		审核 Checked by	何修明
		批准 Approved by	

CONTENTS

目 录

Title Page -----	1
Contents -----	2
Drawings -----	3
Test Report -----	4
Wire Material Specification -----	5



REVISION	DESCRIPTION	DATE	DRAFTER
A0	FIRST RELEASE	18. 10. 19	Mark
A1	变更裁线尺寸	21. 09. 06	S. He
A2	变更接头、测试标准VSMR小于2.0、加EVA	21. 09. 26	S. He
A3	环焊后塞改为铆压后塞	21. 10. 20	S. He
A4	变更线材剥线尺寸及料号	21. 12. 01	S. He
A5	变更线材剥线尺寸及料号	22. 04. 25	S. He

9	2MH106	EVA 黑色 L45.0*W10.0*T1.0mm, EVA+单面3M 9448A 背胶	1	---
8	2YP013	L95.00*W13.50*T0.6, 白色高频板, 铜箔镀镍.	1	---
7	2YC006	铜片, L8.20*W4.00*H4.20*T0.5 黄铜	1	---
6	2TC064BK0-025	热缩管, 双壁含胶型, ϕ6.40*±25.0, 黑色	1	---
5	2SBKG2621	外壳, L115.3*W18.0mm, ABS, 黑色, 无柱子有丝印	1	---
4	2SBKG2611	外壳, L115.3*W18.0mm, ABS, 黑色, 有柱子有丝印	1	---
3	2LC15PS022-5	SMA 母针OD1.8*L7.8mm	1	---
2	2LC15PS022-8	SMA公头, 塑胶外壳, 黑色	1	---
1	2C5A14111BK1	微细同轴电缆SFX-141	1	---
No.	PART NUMBER	PART NAME & DESCRIPTION	Q' TY	REMARKS

GENERAL TOLERANCE: LINEAR: X ±0.20 X.X ±0.15 X.XX ±0.05 X.XXX ±0.01 ANGLE: X° ±4.00° X.X° ±3.00° X.XX° ±2.00° X.XXX° ±1.00°		FILE NAME: 产品图	TITLE: 射频天线组件 直连式外置天线, G26黑色有丝印, PCB结构, 141黑色+SMA公头母针, 外露长度47mm
ENG/DATE: Mark/18. 10. 19		CHE/DATE:	P/N: 3D2601BK00-002
APP/DATE:		UNIT: mm	SCALE: 1:1
		REVISION: A0	SHEET: 1/1

- 技术要求:
- 电气特性: 使用矢量网络分析仪100%测试。
特性阻抗:50Ω; 适用频率范围:2.4GHz-2.5GHz; 驻波比:最大2.00;增益:峰值增益3dBi。
5.150GHz-5.850GHz;驻波比:最大2.00;增益:峰值增益5dBi。
 - 尺寸检验: [*]为FAI检测项目; *为重点检测项目; ■为CPK管制项目。
 - 外观检验: 目视全检。产品表面不得有刮伤、破损和脏污;镀层色泽光亮均匀, 不得有氧化。
 - 包装规范: 1PCS/袋, 100/包。
 - 环保要求: 产品及其使用之物料皆需要符合RoHS要求。

COMPLIANCE WITH THE REQUIREMENT: ■RoHS; □HF; □SONY SS-00259; □OTHERS
*NO USING ESTRICTED AND BANNED SUBSTANCE

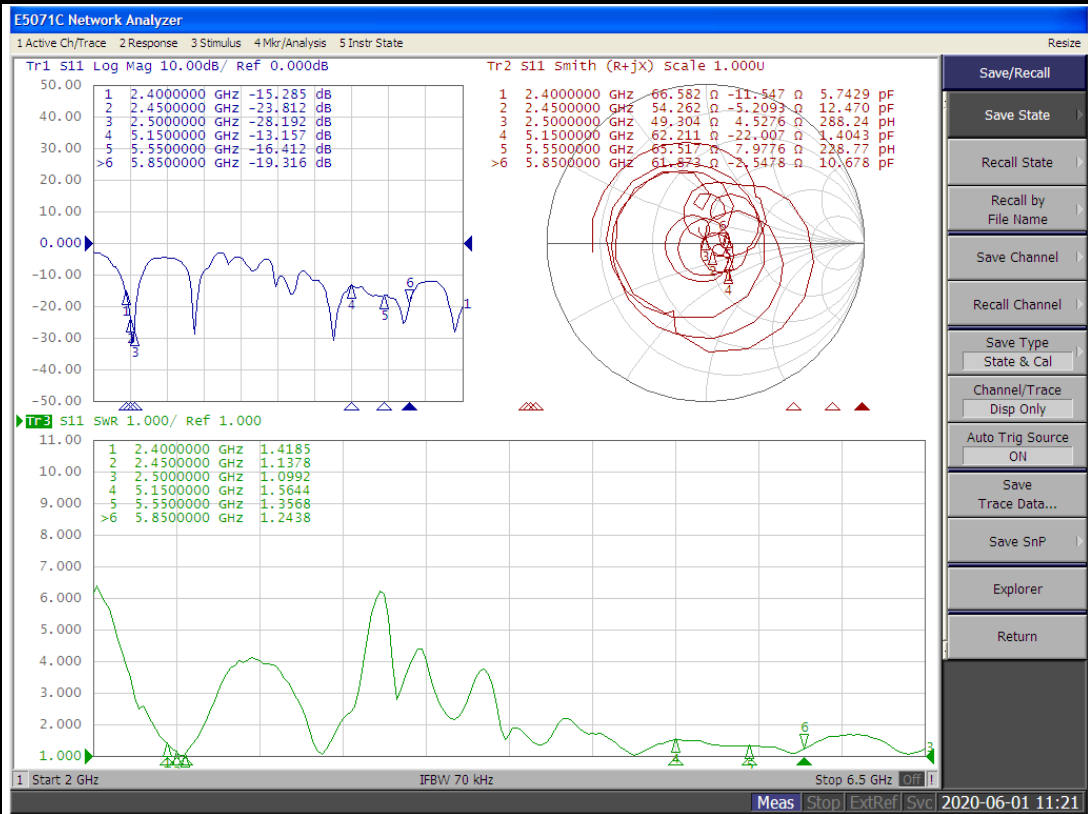
H461

天线电气特性测试报告

Antenna Electrical Characteristic Test Report

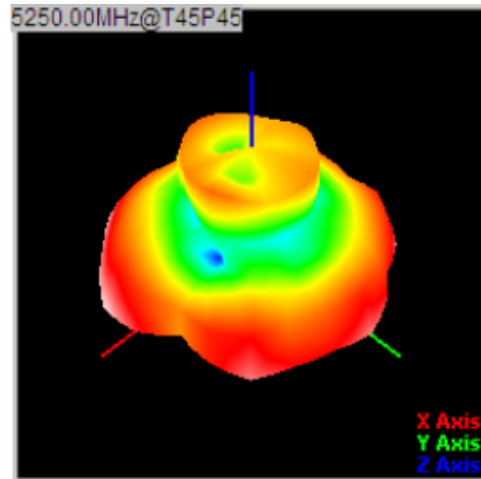
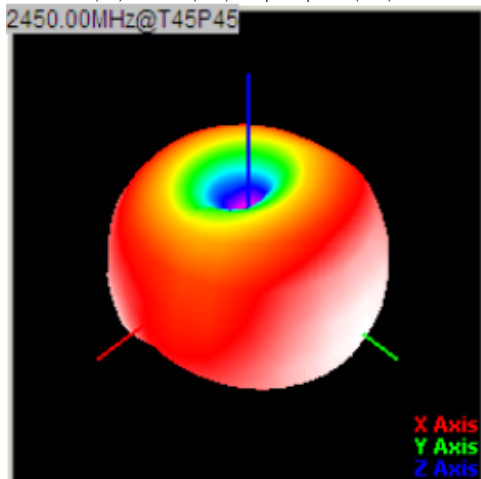
文件编号:HJ-QR-Q-22 Rev:A0

产品料号 Part Number:	3D2601BK00-002	测试项目 Item	规格 Spec	结果判定 Judge
产品名称 Part Name:	Sword Type wifi Antenna	Characteristic impedance 特性阻抗	50 Ω	/
测试设备 Test Equipment	Network Analyzer / Microwave chamber	2400~2500MHz VSWR	2.0 Max	OK
数量 Quantity	5pcs	5150~5850MHz VSWR	2.0 Max	OK
测试日期 Test Date	2020/6/1	Gain 增益	5.18dBi	OK



Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5250.0	5350.0	5450.0	5550.0	5650.0	5750.0	5850.0
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.03	-2.17	-2.15	-1.93	-1.96	-1.89	-1.75	-1.56	-1.65	-1.65	-1.48	-2.27	-2.52	-3.75	-2.48	-2.52	-2.90	-2.39	-2.14
Peak EIRP (dBm)	2.49	2.75	2.75	2.85	2.72	2.74	3.05	3.28	2.82	2.85	2.62	5.18	4.58	4.91	5.09	5.02	4.89	4.87	4.64
Directivity (dB)	3.52	3.41	3.60	3.78	3.68	3.63	3.81	3.84	3.77	3.91	3.70	7.45	7.11	6.65	8.57	7.54	4.79	5.26	5.78
Efficiency (dB)	-2.03	-2.17	-2.15	-1.93	-1.96	-1.89	-1.75	-1.56	-1.65	-1.65	-1.48	-2.27	-2.52	-3.75	-2.48	-2.52	-2.90	-2.39	-2.14
Efficiency (%)	62.70	60.70	60.90	64.20	63.70	64.80	66.80	69.80	68.40	68.30	71.00	59.30	56.00	62.20	56.50	56.00	57.30	57.60	61.10

Antenna Peak Gain(dBi)=Peak EIRP(dBm) - Ant.port Input Pwr(dBm)



审核Checker: 王 俊

测试者Tester: Mark