

Specification

客 户
Customer :

客户料号
Customer P/N:

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 5dBi

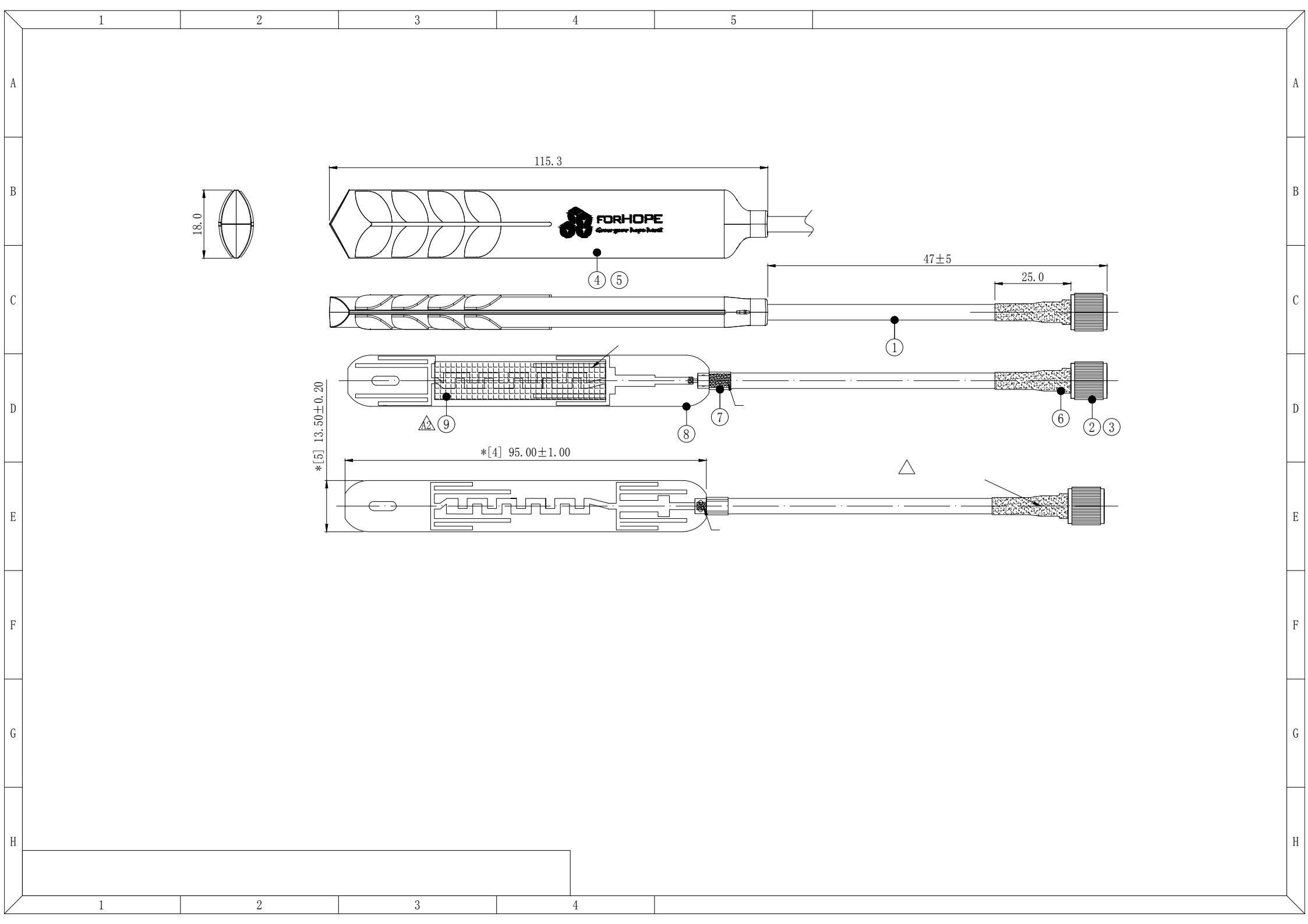
编制日期
Prepared Date: 06.21

签署Signature			
客户Customer		供应商Supplier	
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批准 Approved by		审核 Checked by	何修明
		批准 Approved by	

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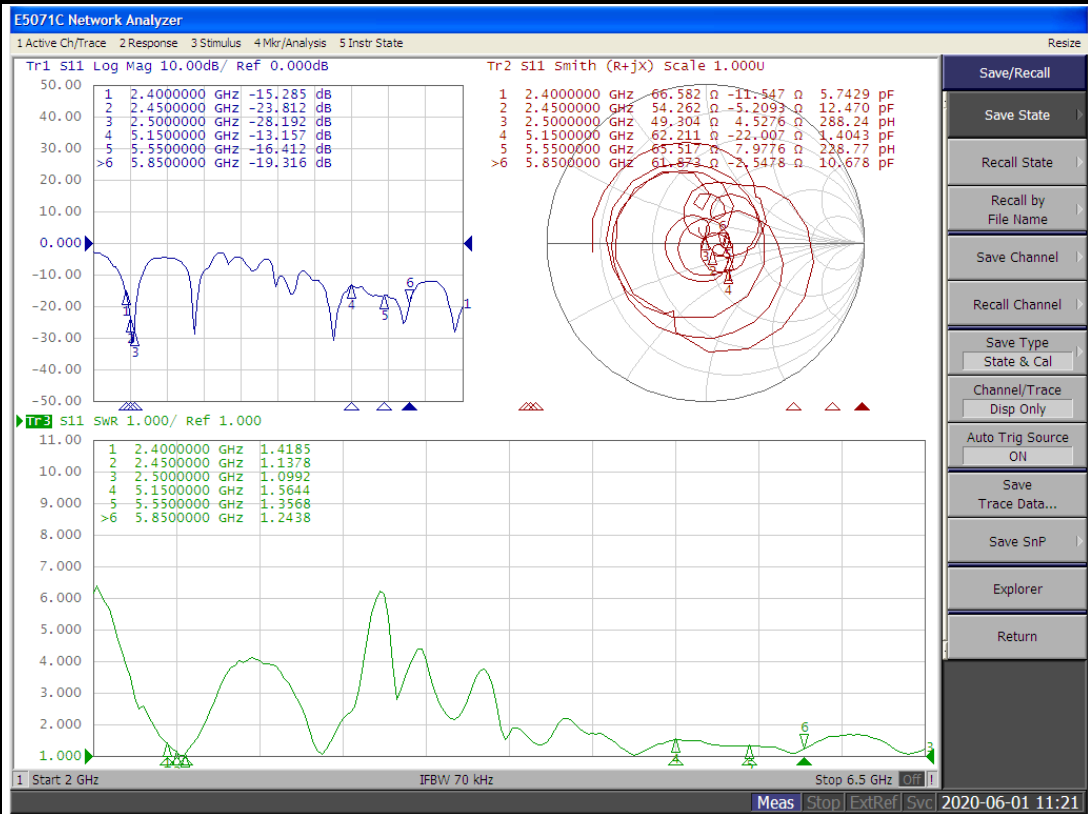


天线电气特性测试报告

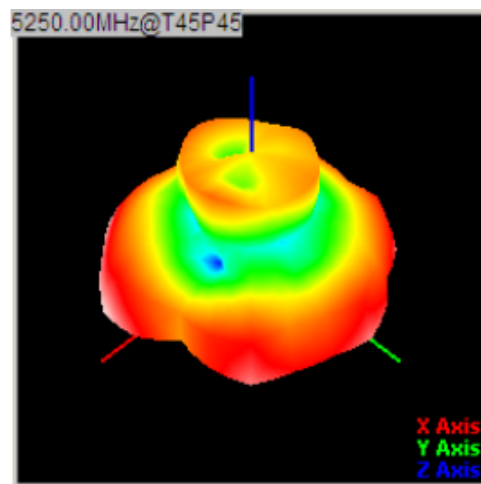
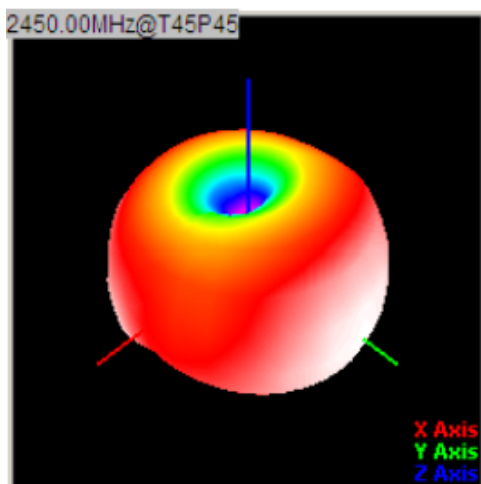
Antenna Electrical Characteristic Test Report

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	5.1g-5.8g;5dBi 2.4g-2.5g:3dBi	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
Point Values																			
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

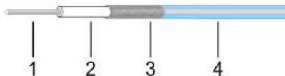


审核Checker: 王 俊

测试者Tester: Mark

产品技术规范 DATA SHEET V1.0

Semi-Flexible Coaxial Cable Series

产品规格 Product Type		SFX-141/50 (SXE)		
结构图 Structure Drawing				
结构特性 Structure Characteristics				
结构 Structure	项目 Item	标准值 Standard Value		
内导体 Inner Conductor	材质 Material	镀银铜/镀银铜包钢线 SC/SCCS Wire		
	结构 Construction(mm)	1/0.93		
	标称外径 Nom.Dia(mm)	0.93±0.02		
绝缘层 Insulation	材质 Material	聚四氟乙烯 PTFE		
	标称外径 Nom.Dia(mm)	2.98±0.05		
外导体 Outer Conductor	材质 Material	镀锡铜线编织+浸锡 Tinned Copper Wire Braid+Tin Soaked		
	标称外径 Nom.Dia(mm)	3.52±0.05		
护套 Jacket	材质 Material	聚全氟乙丙烯 FEP/低烟无卤聚烯烃 LSOH/聚氯乙烯 PVC		
	标称外径 Nom.Dia(mm)	4.10±0.10/4.25±0.10/4.25±0.10		
电气性能 Electrical Characteristics				
项目 Item	标准值 Standard Value	频率 Frequency	衰减(dB/m) Attenuation	平均功率 (W) Average Power
阻抗 Impedanc (Ω)	50±2	0.5GHz	0.26	436.5
电容 Capacitance(pF/m)	95	1.0GHz	0.39	303.4
速率 Velocity(%)	70	5.0GHz	0.92	126.7
延时 Time Delay(ns/m)	4.7	10.0GHz	1.38	85.5
最大工作电压 Max.Operating Voltage(V)	1900	20.0GHz	2.10	56.6
最大工作频率 Max.Operating Frequency(GHz)	20			
屏蔽衰减 Screening Effectiveness(dB)	>100			
可靠性 Dependability				
最小弯曲半径(单次)Min.Bending Radius/Single		mm	8	
最小弯曲半径 (重复) Min.Bending Radius/Repeated		mm	40	
工作温度范围 Operating Temperature		℃	聚全氟乙丙烯 FEP	-55- +125
			低烟无卤聚烯烃 LSOH	-40- +80
			聚氯乙烯 PVC	-25- +70
使用提示 Trips for Use				
存储环境 Storage Environment		温度：30℃以下，湿度：20-65%		
同类产品替换 Similar Cable to Replace				
电缆型号 WBT Cable Type		可替代型号 Replaceable Type		
SFX-141/50(SXE)		SFF141/50，670-141/50,RG402		