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2.4 5.8G—234G 二合一天线规格书 规格书

客户名称:

天線型號: **T0377**

设计: **Sweet zeng**

审核: **Sam.zhang**

日期: **2023-07-17**

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1.样品图片

图（1）

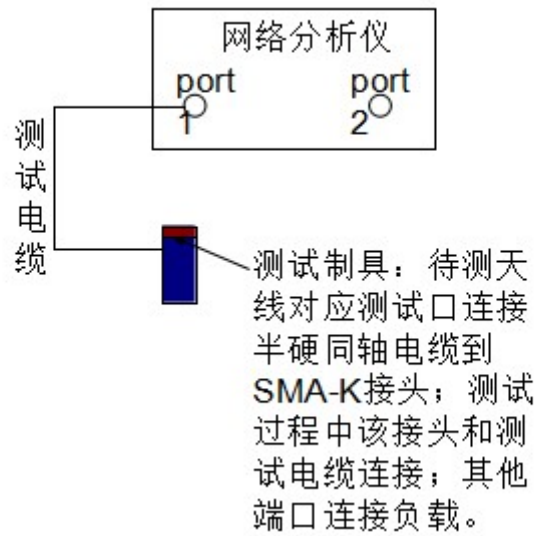
1-2.规格

序号	名称	规格/材料	备注
1	线材	2*DS1.5 L=500mm	
2	外壳	HRA222F	
3	SMA 公头公针	2*SMA 公头公针 外壳三元合金 PIN0.03 微米	
4	配件	铜螺母 电镀三元合金	

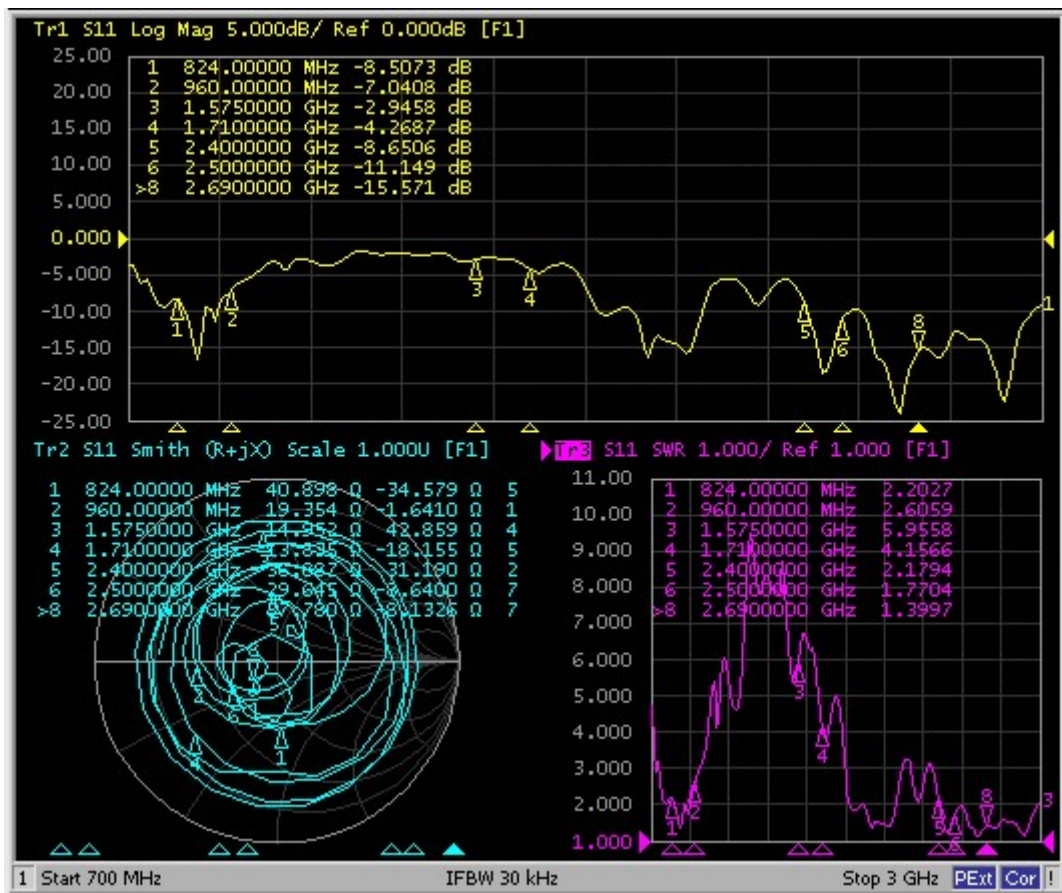
2 性能

1. Electrical Characteristics	
Frequency	DC-6 GHz
Impedance	50 Ohm
V. S. W. R.	
Insertion Loss	≥ -1.5 dB
Voltage (breakdown)	500V
Insulation Resistance	≥ 500 M ohm
2. Mechanical Characteristics	
Pull Test of Connector	≥ 1 kg
Mating Cycles	>500
3. Environmental	
Operation Temperature	-40° C ~ + 65° C
Storage Temperature	-40° C ~ + 80° C

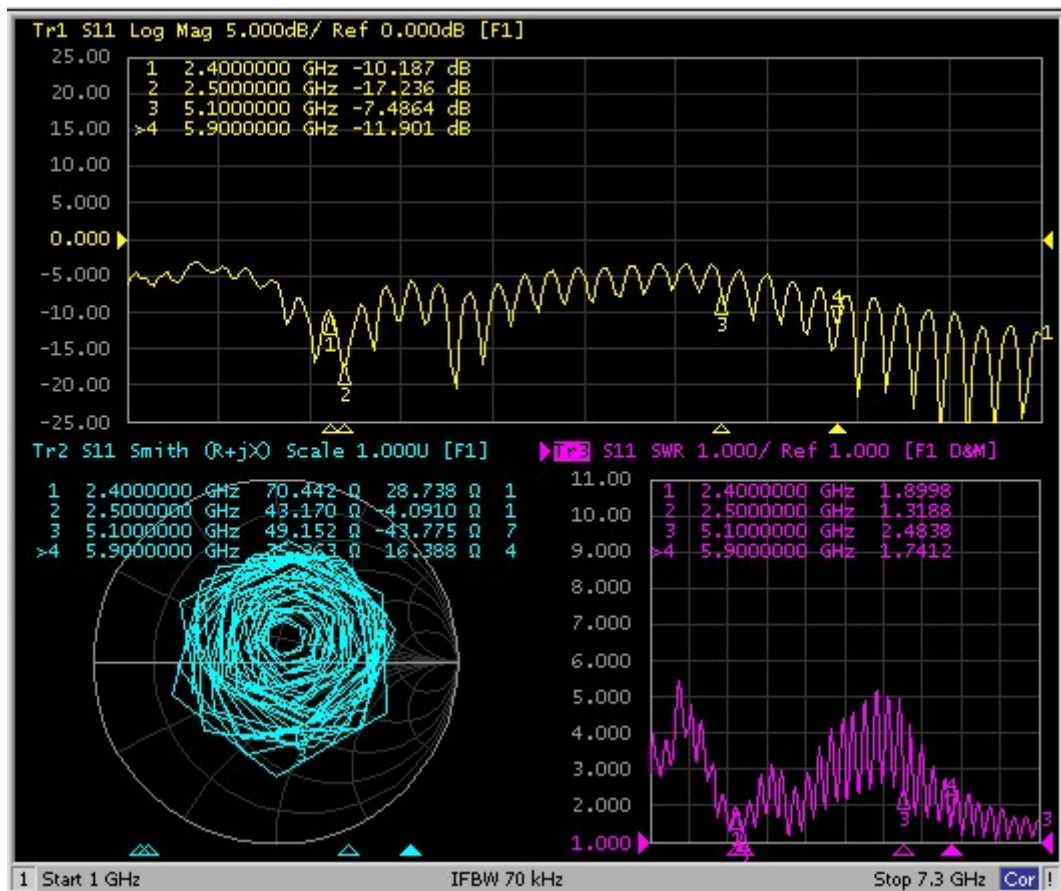
2-1 测试设置



2-2 驻波比



234G



2.4-5.8G

2-2 无源数据 2.4-5.8G

frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	3.56	-1.96	63.71
2410	3.69	-1.95	63.86
2420	3.71	-2.03	62.66
2430	3.76	-2.05	62.35
2440	3.78	-2.08	62.01
2450	3.84	-2.07	62.08
2460	3.91	-2.05	62.31
2470	3.95	-2.01	62.98
2480	4	-1.93	64.1
2490	4.04	-1.86	65.11
2500	2.95	-2.9	51.23

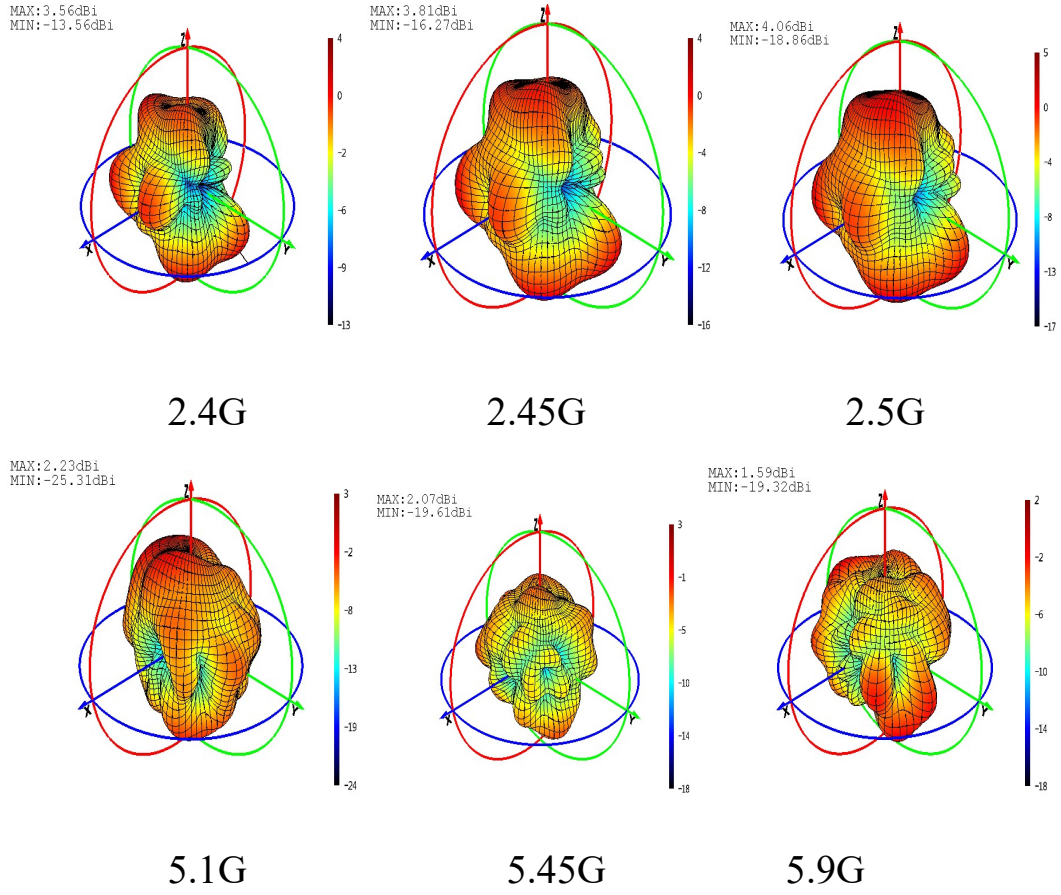
frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
5100	0.57	-6.02	24.98
5150	1.3	-5.53	27.96
5200	2.08	-5.01	31.52
5250	2.06	-5.02	31.49
5300	1.97	-5.1	30.87
5350	2.22	-4.75	33.5
5400	2.31	-4.62	34.51
5450	1.96	-4.84	32.84
5500	1.91	-4.87	32.55
5550	2.27	-4.46	35.78
5600	2.42	-4.29	37.22
5650	2.26	-4.39	36.43
5700	2.27	-4.25	37.61
5750	2.37	-3.95	40.3
5800	2.08	-4.08	39.04
5850	1.91	-4.04	39.48
5900	1.59	-4.24	37.64

2-3 无源数据 234G

frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
700	2.41	-2.44	57.01
720	1.85	-3.23	47.56
740	1.25	-3.74	42.26
760	0.83	-4.24	37.71
780	0.89	-4.18	38.2
800	0.87	-4.33	36.93
820	1.23	-4.02	39.6
840	1.84	-3.44	45.26
860	2.31	-3.01	49.99
880	2.79	-2.49	56.41
900	3.12	-2.12	61.37
920	3.17	-2.07	62.02
940	2.86	-2.34	58.34
960	2.73	-2.42	57.29
980	1.91	-3.29	46.87
1000	1.28	-4.12	38.74
1710	0.97	-4.71	33.78
1750	1.1	-4.94	32.03
1790	1.51	-4.87	32.55
1830	2.35	-4.15	38.42
1870	2.75	-3.52	44.48

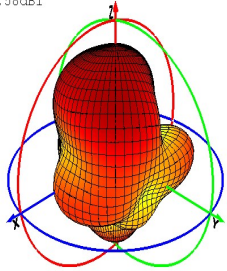
frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
1910	2.9	-2.84	52.01
1950	3.09	-2.35	58.15
1990	2.79	-2.11	61.5
2030	2.47	-1.99	63.21
2070	2.3	-2.07	62.15
2110	2.11	-2.4	57.53
2150	1.55	-2.75	53.05
2190	1.21	-3.06	49.47
2230	1.13	-3.28	47.03
2270	1.23	-3.4	45.75
2310	1.71	-3.23	47.58
2350	2.47	-2.91	51.14
2390	3.1	-2.74	53.17
2430	3.42	-2.61	54.85
2470	3.6	-2.3	58.88
2510	3.79	-2.07	62.06
2550	3.72	-2.03	62.67
2590	3.65	-1.98	63.43
2630	3.72	-1.92	64.27
2670	3.74	-1.97	63.59
2710	3.72	-1.91	64.46

2-4 方向图 2.4-5.8G



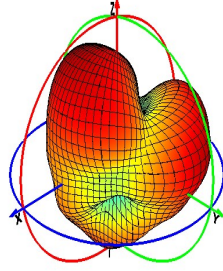
2-5 方向图 234G

MAX: 1.23dBi
MIN: -24.58dBi



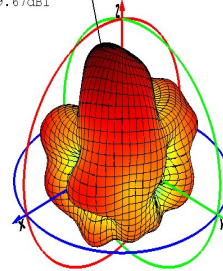
820MHz

MAX: 2.59dBi
MIN: -18.51dBi



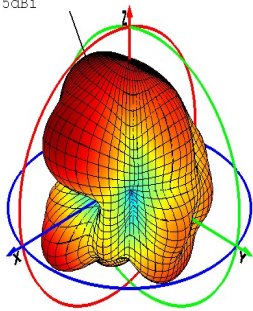
960MHz

MAX: -0.46dBi
MIN: -29.67dBi



1710MHz

MAX: 3.63dBi
MIN: -19.5dBi



2670MHz