

RoHS Compliant

A

B

C

D

E

DWG-XXX-01-B

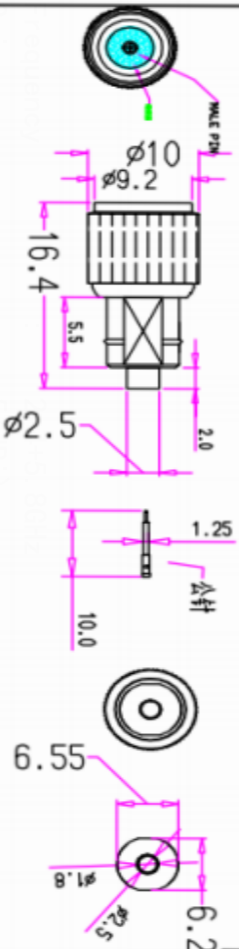
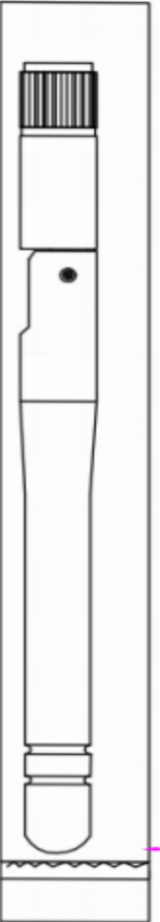
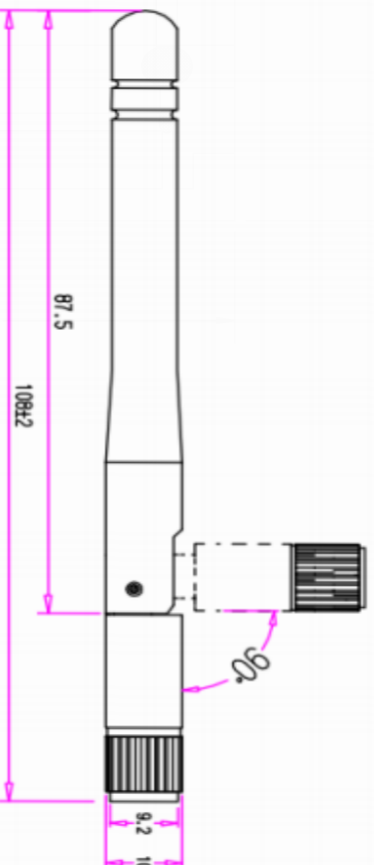
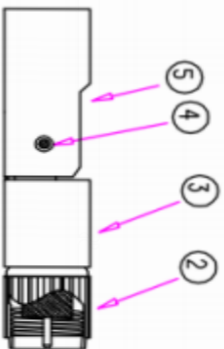
REV	DATE	DESCRIPTION	WKS
A0			
A1			

测试条件:

额定电压: AC 60V 耐电压: AC200V

接触阻抗: 20-0hm 特性阻抗: 50 Ohm

绝缘阻抗: 500 m-ohm



- 要求: 1. 成品须100%测试导通OK
2. 成品须100%全检OK.
3. 采用环保制程,成品
4. 符合ROHS要求.
5. 未注公差请以一般公差为准.

频率范围(FREQUENCY RANGE)	2400-2500 MHz
增益 (Gain)	2dB1
电压驻波比(VSWR)	<2.0:1
极化 (Polarization)	Linear, Vertical
最大功率(Max power rating)	50W
特性阻抗 (Impedance)	50 OHM

No.	Name	Description	Qty	Part No.
1	线材	1.78mm-48mm-FEP L=75mm	1	1301-0055
2	SMA	2.4GZ-黑色-10*6.5*16.4-螺钉锁压	1	1101-0058
3	2.4G下座	6.5*9.4*19.7-不露线-黑色橡胶	1	
4	螺钉	1.6*3.8-不露线-黑色橡胶	2	
5	2.4G上座	6.5*9.32*28.8-不露线-黑色橡胶	1	
6	铜件	4.4*23*1.55-2.4G铜管-绝缘	1	1701-0015
7	2.4G橡胶套	6.5*9.2*67.5-不露线-黑色橡胶	1	
8	PE胶	150*38*0.4(白色管胶)打孔	1	1801-0003
9	PE胶	205*150*0.4(白色管胶)打孔	1/50	1801-0006



尺寸 (DIMENSIONS)	公差 (TOLERANCE)
mm	mm
0-1	±0.1
1-10	±0.2
10-30	±0.3
30-100	±0.5
100-300	±1.0

零件名称 (PART NAME)	数量 (QTY)
零件料号 (CUS NO.)	数量 (QTY)

单位 (UNIT)	比例 (SCALE)	版本 (REV)	规格 (SIZE)
mm		A0	A4
产品名称 (PRODUCT NAME)	产品料号 (PRODUCT NO.)	产品料号 (PRODUCT NO.)	产品料号 (PRODUCT NO.)
SMA-2.4G橡胶天线-178mm-L108	3030-0011	3030-0011	3030-0011
第1页,共1页	第1页,共1页	第1页,共1页	第1页,共1页

深圳市华圣电子有限公司

一、规格表:

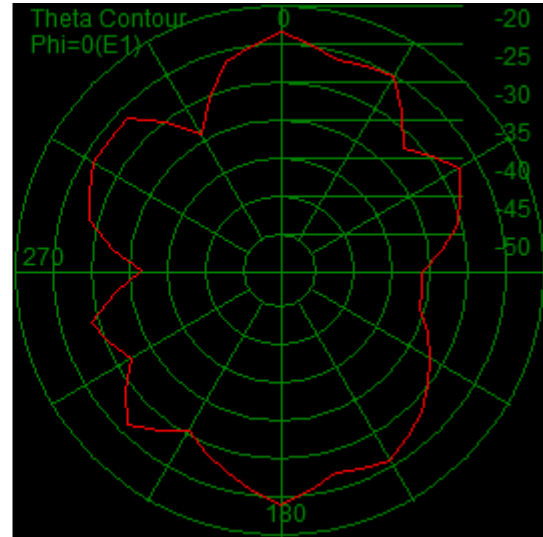
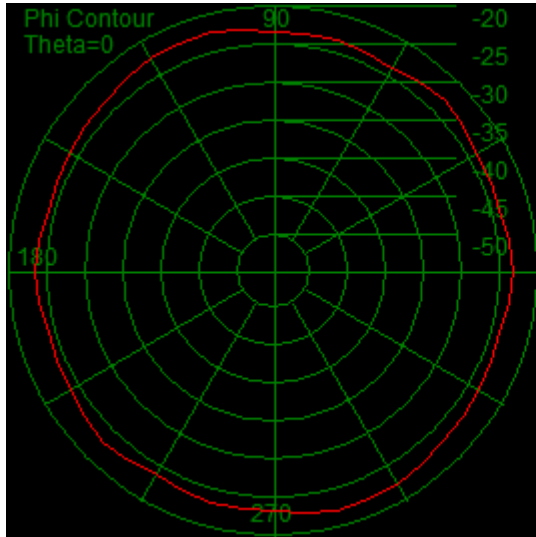
产品主要技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2.4+5.8G	Frequency Range (MHZ)	2.4+5.8G
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	5±1	Gain(dBi)	5±1
输出电压 驻波比	≦ 1.92	VSWR	≦ 1.92
最大功率	50W	Admitted Power	50W
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	焊线	Type	Soldering tin
物理性能		Physical Properties	
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

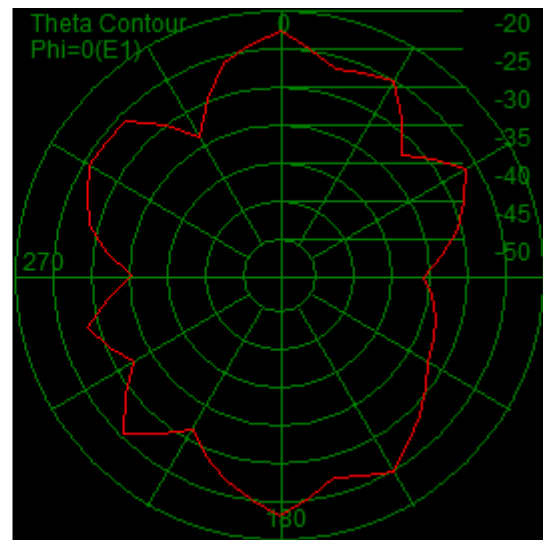
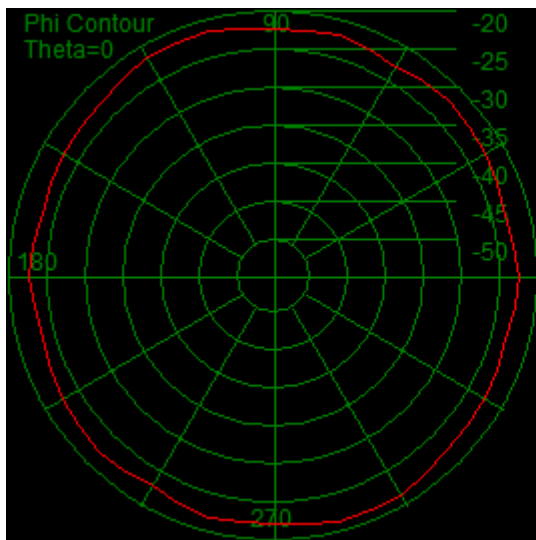
Antenna Test Report (Passive-BW)

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	-21.92	5.42	0.2%	-27.34	-21.92	7500	9000	-37.65	10500	1500	-26.86	15.73	4.94	-10.79
2	2410.0	2410.00	-21.08	5.72	0.2%	-26.80	-21.08	7500	9000	-38.68	9000	16680	-26.31	17.60	5.23	-12.37
3	2420.0	2420.00	-20.69	5.61	0.2%	-26.30	-20.69	0	10500	-38.53	3000	16500	-25.78	17.84	5.09	-12.75
4	2430.0	2430.00	-19.87	5.72	0.3%	-25.58	-19.87	0	10500	-38.59	9000	16680	-25.06	18.72	5.19	-13.53
5	2440.0	2440.00	-19.74	5.58	0.3%	-25.32	-19.74	0	10500	-37.60	9000	16680	-24.79	17.86	5.06	-12.80
6	2450.0	2450.00	-19.87	5.55	0.3%	-25.43	-19.87	0	10500	-37.19	16500	9000	-24.89	17.31	5.02	-12.29
7	2460.0	2460.00	-19.77	5.42	0.3%	-25.18	-19.77	7500	9000	-37.26	16500	9000	-24.69	17.49	4.93	-12.57
8	2470.0	2470.00	-19.99	5.25	0.3%	-25.24	-19.99	7500	9000	-36.53	16500	9000	-24.77	16.54	4.78	-11.76
9	2480.0	2480.00	-19.82	5.37	0.3%	-25.19	-19.82	7500	9000	-34.82	3000	15000	-24.77	15.00	4.95	-10.05
10	2490.0	2490.00	-19.93	5.31	0.3%	-25.23	-19.93	7500	9000	-34.17	3000	15000	-24.84	14.24	4.91	-9.33
11	2500.0	2500.00	-21.15	5.17	0.2%	-26.32	-21.15	7500	10500	-34.97	3000	15000	-25.92	13.82	4.77	-9.05
12	5100.0	5100.00	-16.15	6.14	0.6%	-22.30	-16.15	3000	15000	-40.12	15000	15000	-22.06	23.97	5.90	-18.07
13	5110.0	5110.00	-16.60	6.55	0.5%	-23.15	-16.60	3000	180	-41.08	4500	7500	-22.96	24.48	6.36	-18.12
14	5120.0	5120.00	-17.92	5.76	0.4%	-23.68	-17.92	3000	16500	-42.73	9000	15180	-23.57	24.81	5.65	-19.16
15	5130.0	5130.00	-18.25	5.77	0.4%	-24.02	-18.25	3000	1680	-38.05	4500	7500	-23.93	19.80	5.67	-14.13
16	5140.0	5140.00	-17.99	6.15	0.4%	-24.14	-17.99	3000	15000	-39.12	4500	7500	-24.07	21.12	6.08	-15.05
17	5150.0	5150.00	-17.68	6.48	0.4%	-24.17	-17.68	3000	180	-37.89	4500	16680	-24.15	20.21	6.47	-13.74
18	5160.0	5160.00	-18.54	6.42	0.3%	-24.96	-18.54	3000	16500	-41.47	4500	16680	-24.91	22.93	6.37	-16.56
19	5170.0	5170.00	-19.35	6.39	0.3%	-25.74	-19.35	3000	180	-43.19	12000	15180	-25.77	23.85	6.42	-17.42
20	5180.0	5180.00	-19.88	6.31	0.2%	-26.19	-19.88	3000	180	-45.74	9000	15180	-26.19	25.86	6.31	-19.55
21	5190.0	5190.00	-20.34	6.06	0.2%	-26.40	-20.34	3000	180	-44.09	9000	15180	-26.44	23.76	6.10	-17.66
22	5200.0	5200.00	-20.43	5.77	0.2%	-26.19	-20.43	3000	180	-51.49	4500	1500	-26.25	31.06	5.82	-25.24
23	5210.0	5210.00	-20.59	5.56	0.2%	-26.15	-20.59	3000	16500	-45.21	9000	15180	-26.19	24.62	5.60	-19.02
24	5220.0	5220.00	-21.07	5.79	0.2%	-26.86	-21.07	3000	180	-45.11	9000	15180	-26.82	24.04	5.75	-18.29
25	5230.0	5230.00	-21.68	5.35	0.2%	-27.04	-21.68	3000	16500	-41.12	6000	12180	-27.05	19.44	5.37	-14.07
26	5240.0	5240.00	-21.40	5.45	0.2%	-26.85	-21.40	4500	13500	-47.87	6000	15180	-26.82	26.47	5.42	-21.05
27	5250.0	5250.00	-21.53	5.28	0.2%	-26.81	-21.53	3000	180	-41.88	6000	15180	-26.74	20.35	5.21	-15.14
28	5260.0	5260.00	-20.64	5.48	0.2%	-26.11	-20.64	6000	1680	-39.92	10500	9000	-25.99	19.28	5.36	-13.93
29	5270.0	5270.00	-21.09	5.16	0.2%	-26.26	-21.09	6000	1680	-41.55	6000	15180	-26.13	20.46	5.04	-15.42
30	5280.0	5280.00	-21.09	5.29	0.2%	-26.38	-21.09	15000	6000	-38.33	9000	15180	-26.23	17.25	5.14	-12.11
31	5290.0	5290.00	-21.24	4.78	0.3%	-26.01	-21.24	6000	15000	-38.59	16500	15000	-25.88	17.35	4.64	-12.71
32	5300.0	5300.00	-20.80	4.94	0.3%	-25.73	-20.80	4500	13500	-42.18	9000	15180	-25.59	21.38	4.80	-16.59
33	5310.0	5310.00	-19.60	4.88	0.4%	-24.48	-19.60	3000	1680	-37.12	7500	10680	-24.30	17.53	4.71	-12.82
34	5320.0	5320.00	-18.68	5.32	0.4%	-24.00	-18.68	6000	3180	-36.98	15000	16680	-23.89	18.29	5.21	-13.09
35	5330.0	5330.00	-19.88	4.54	0.4%	-24.41	-19.88	15000	7500	-42.10	4500	3000	-24.19	22.22	4.31	-17.91
36	5340.0	5340.00	-18.56	5.47	0.4%	-24.03	-18.56	12000	9000	-36.25	18000	12000	-23.86	17.69	5.29	-12.39
37	5350.0	5350.00	-18.35	5.01	0.5%	-23.36	-18.35	12000	10500	-33.76	4500	13680	-23.24	15.40	4.89	-10.51
38	5360.0	5360.00	-16.08	6.32	0.6%	-22.39	-16.08	12000	9000	-36.31	15000	16500	-22.26	20.23	6.18	-14.05
39	5370.0	5370.00	-16.01	5.67	0.7%	-21.69	-16.01	12000	9000	-34.87	16500	15000	-21.49	18.86	5.47	-13.38
40	5380.0	5380.00	-15.54	6.46	0.6%	-22.00	-15.54	12000	9000	-35.58	4500	4500	-21.88	20.05	6.35	-13.70
41	5390.0	5390.00	-16.09	6.27	0.6%	-22.36	-16.09	12000	9000	-36.10	15000	15180	-22.25	20.01	6.15	-13.85
42	5400.0	5400.00	-15.84	6.50	0.6%	-22.35	-15.84	12000	9000	-42.93	12000	16680	-22.25	27.09	6.40	-20.69
43	5410.0	5410.00	-15.41	5.93	0.7%	-21.34	-15.41	12000	9000	-40.59	4500	12180	-21.23	25.17	5.81	-19.36
44	5420.0	5420.00	-14.59	6.18	0.8%	-20.77	-14.59	12000	9000	-35.39	3000	15180	-20.61	20.80	6.02	-14.78
45	5430.0	5430.00	-14.50	6.55	0.8%	-21.05	-14.50	12000	9000	-31.78	3000	7500	-20.88	17.28	6.38	-10.90
46	5440.0	5440.00	-14.73	6.55	0.7%	-21.28	-14.73	15000	7500	-37.31	4500	13680	-21.12	22.59	6.39	-16.19
47	5450.0	5450.00	-15.63	5.75	0.7%	-21.38	-15.63	13500	10500	-40.07	6000	13680	-21.19	24.44	5.56	-18.88
48	5460.0	5460.00	-14.55	6.37	0.8%	-20.92	-14.55	15000	6000	-36.65	3000	13680	-20.80	22.10	6.26	-15.85
49	5470.0	5470.00	-14.66	6.04	0.9%	-20.70	-14.66	12000	10500	-37.57	7500	15180	-20.60	22.91	5.93	-16.98
50	5480.0	5480.00	-13.88	6.72	0.9%	-20.60	-13.88	15000	6000	-46.97	3000	13680	-20.44	33.09	6.56	-26.53
51	5490.0	5490.00	-14.85	5.92	0.8%	-20.77	-14.85	16500	9000	-43.30	4500	4500	-20.70	28.45	5.85	-22.60
52	5500.0	5500.00	-15.53	5.79	0.7%	-21.32	-15.53	16500	9000	-33.56	3000	15180	-21.23	18.02	5.70	-12.32
53	5510.0	5510.00	-15.06	5.90	0.8%	-20.96	-15.06	4500	180	-36.13	3000	13680	-20.89	21.07	5.84	-15.23
54	5520.0	5520.00	-14.56	6.02	0.9%	-20.58	-14.56	15000	7500	-32.73	15000	12180	-20.56	18.17	6.00	-12.17
55	5530.0	5530.00	-14.88	5.59	0.9%	-20.47	-14.88	15000	7500	-36.84	15000	12180	-20.47	21.96	5.59	-16.37
56	5540.0	5540.00	-14.28	6.09	0.9%	-20.37	-14.28	7500	1680	-31.21	6000	16680	-20.48	16.94	6.20	-10.73
57	5550.0	5550.00	-14.56	6.61	0.8%	-21.18	-14.56	12000	9000	-34.44	4500	15180	-21.35	19.87	6.79	-13.08
58	5560.0	5560.00	-16.54	4.52	0.8%	-21.06	-16.54	7500	1680	-35.01	6000	16680	-21.30	18.46	4.76	-13.70
59	5570.0	5570.00	-16.20	4.85	0.8%	-21.05	-16.20	4500	16500	-36.96	6000	16680	-21.29	20.76	5.09	-15.68
60	5580.0	5580.00	-15.50	5.39	0.8%	-20.88	-15.50	12000	9000	-35.06	15000	16680	-21.12	19.57	5.62	-13.94
61	5590.0	5590.00	-14.25	6.18	0.9%	-20.42	-14.25	12000	9000	-35.74	15000	13680	-20.71	21.49	6.46	-15.03
62	5600.0	5600.00	-15.32	5.95	0.7%	-21.27	-15.32	12000	9000	-35.03	0	1500	-21.56	19.71	6.23	-13.47
63	5610.0	5610.00	-15.74	6.29	0.6%	-22.03	-15.74	12000	9000	-34.61	13500	10680	-22.27	18.87	6.53	-12.33
64	5620.0	5620.00	-15.37	6.58	0.6%	-21.95	-15.37	12000	9000	-33.57	7500	10500	-22.25	18.20	6.89	-11.32
65	5630.0	5630.00	-15.63	5.79	0.7%	-21.42	-15.63	13500	9000	-37.45	13500	1500	-21.67	21.82	6.04	-15.78
66	5640.0	5640.00	-14.24	6.81	0.8%	-21.05	-14.24	12000	9000	-37.58	13500	0	-21.23	23.34	7.00	-16.34
67	5650.0	5650.00	-15.53	6.35	0.6%	-21.88	-15.53	12000	9000	-34.89	1500	12180	-21.99	19.35	6.46	-12.89
68	5660.0	5660.00	-16.68	6.09	0.5%	-22.77	-16.68	12000	9000	-40.38	10500	9180	-22.89	23.70	6.21	-17.49
69	5670.0	5670.00	-17.28	6.02	0.5%	-23.31	-17.28	12000	9000	-36.82	13500	3000	-23.37	19.54	6.09	-13.45
70	5680.0	5680.00	-16.37	7.04	0.5%	-23.41	-16.37	12000	9000	-39.03	9000	13500	-23.47	22.66	7.10	-15.56
71	5690.0	5690.00	-16.03	6.95	0.5%	-22.98	-16.03	12000	9000	-38.22	13500	4500	-22.99	22.20	6.96	-15.23
72	5700.0	5700.00	-16.87	6.35	0.5%	-23.22	-16.87	12000	9000	-42.66	7500	9180	-23.20	25.79	6.33	-19.46
73	5710.0	5710.00	-16.16	7.84	0.4%	-24.01	-16.16	12000	9000	-41.24	1500					

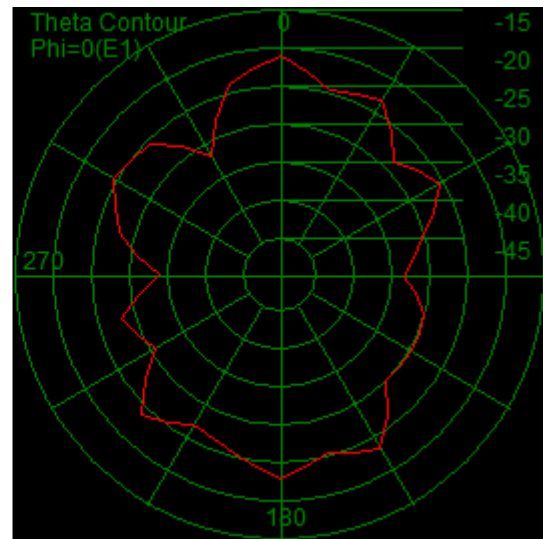
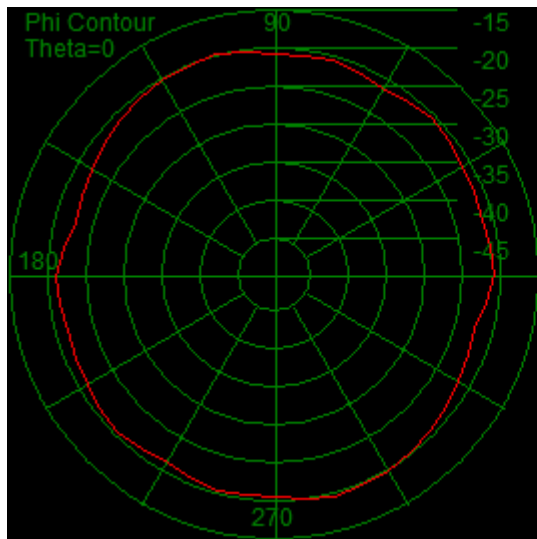
2400MHz



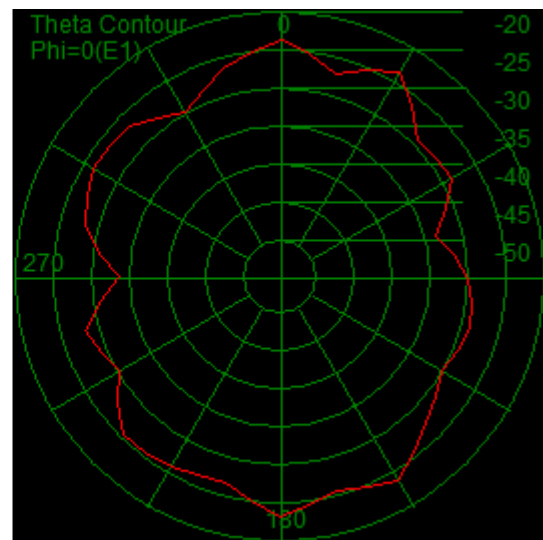
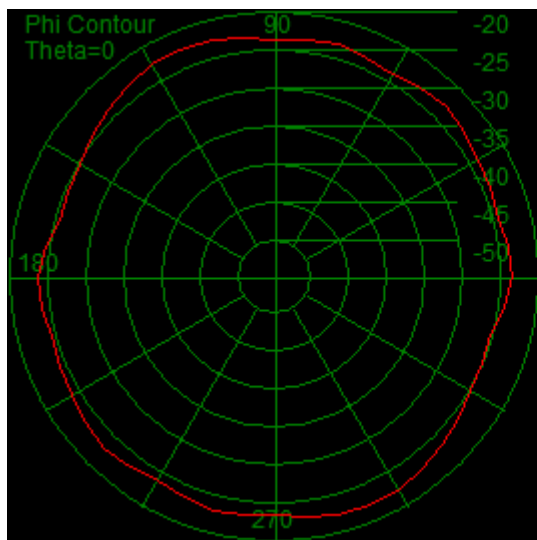
2410MHz



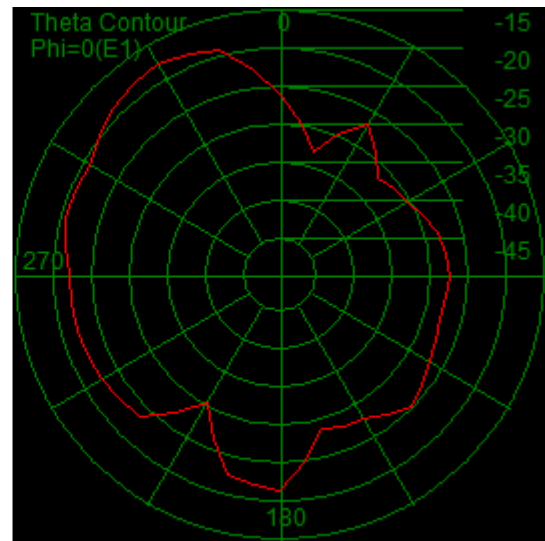
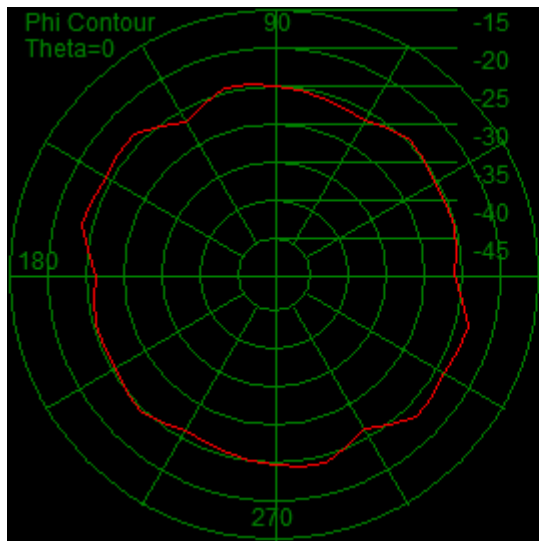
2450MHz



2500MHz



5150MHz



5850MHz

