
PRODUCT SPECIFICATION SHEET

物料名称

APPELLATION: 2.4/5.8G Foldable Rubber Antenna

产品型号

PART NUMBER: YXS-2458-WZ108W

Manufac turer	<i>Technical</i>	<i>Quality</i>	<i>Project</i>	<i>Developing</i>

Client	Materials Engineer	Engineer	Approval	R & D System

Information:

Name: Shenzhen YixinSin Technology Development Co., Ltd

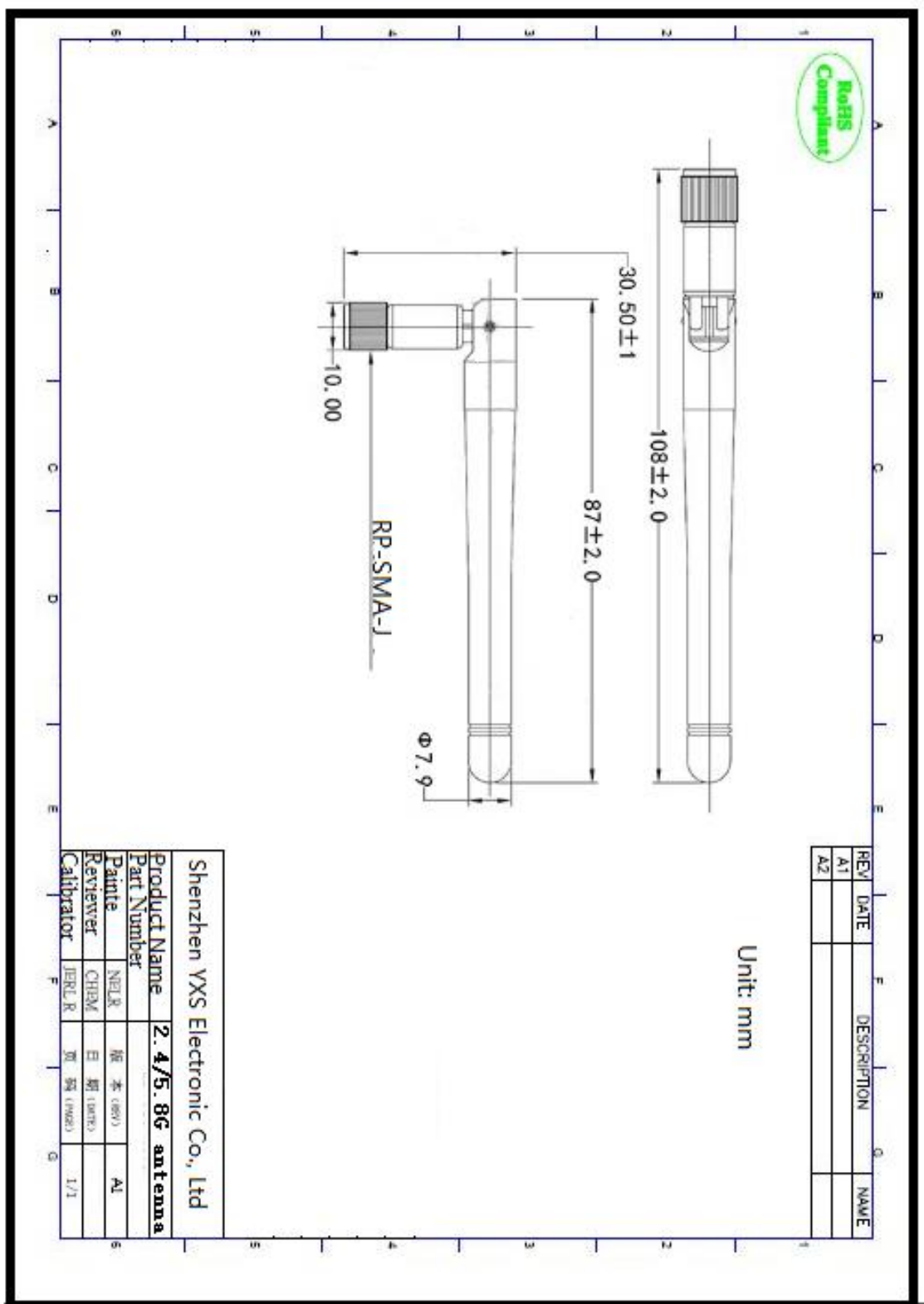
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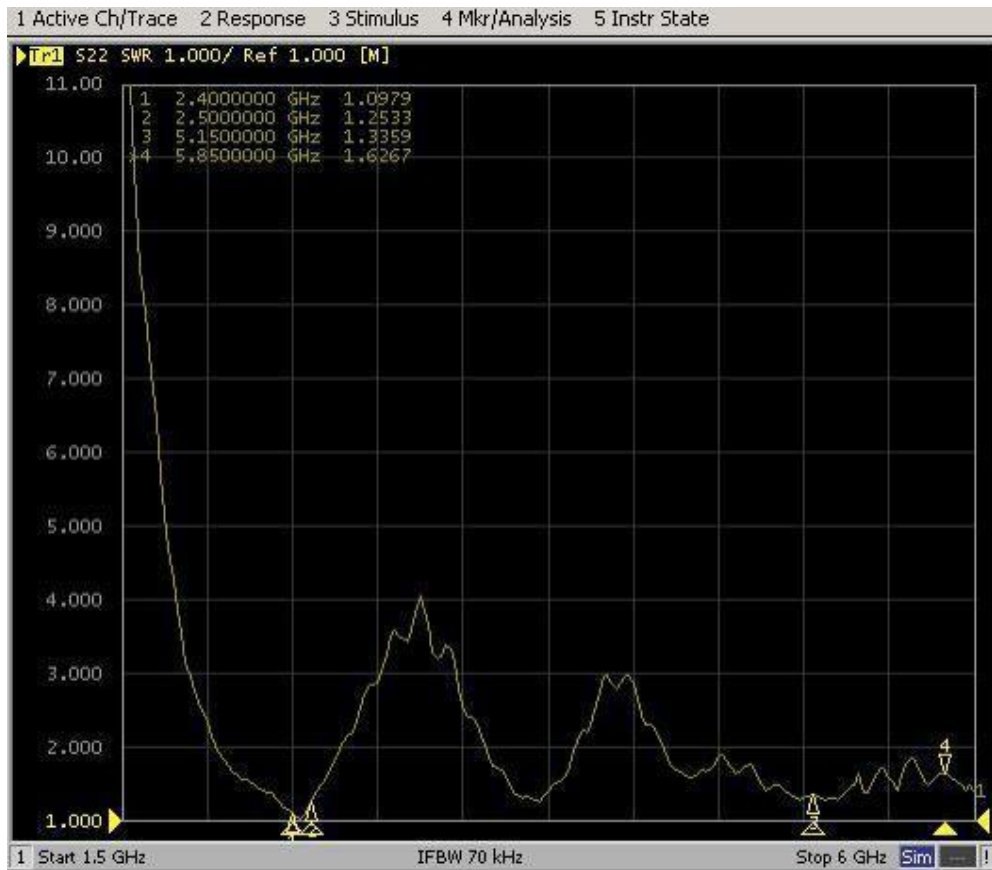
1、 PRODUCT TECHNICAL SPECIFICATION

PART NUMBER: YXS-2458-WZ108W	
Electrical Specifications	
Frequency Range (MHz)	2400-2500MHz 4900-5900MHz
Bandwidth (MHz)	100
Input Impedence	Input Impedence (Ω) 50
V.S.W.R	≤ 1.7
Gain (dBi)	2.49dBi@2.4G 2.93dBi@5G
Polarization Type	Vertical
Lightning Protection	DC Ground
Power Capacity (w)	50
Mechanical Specifications	
Antenna Length (mm)	108
Radiator	Cu
Connector Type	RP-SMA-J
Working Temp(°C)	-40~60
Storage Temperature(°C)	-20~40
Radome Color	Black
Radome Material	TPEE
Weight (g)	8

2、 PRODUCT SPECIFICATION CHART



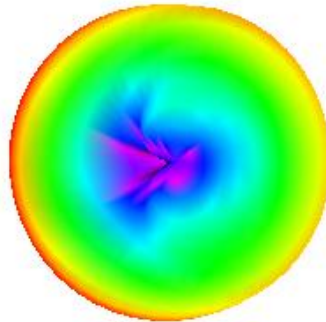
3、 TEST PARAMETER DIAGRAM



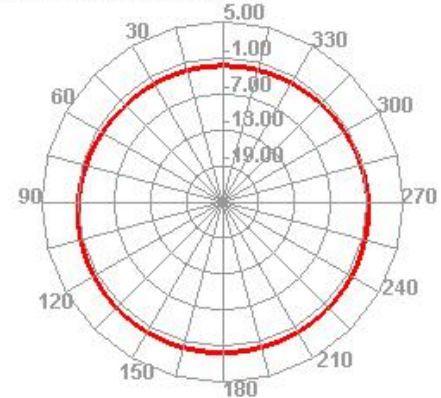
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-1.33	-1.49	-1.69	-1.81	-1.81	-1.81	-1.97	-2.04	-2.03	-2.11	-1.94
Gain (dBi)	2.49	2.22	2.00	2.01	2.02	2.03	2.01	2.05	2.09	2.02	2.17
Efficiency (%)	73.69	70.96	67.80	65.91	65.86	65.94	63.57	62.45	62.60	61.53	64.03
Directivity (dB)	3.81	3.71	3.51	3.22	2.83	2.84	2.98	3.10	3.12	3.13	3.11
Peak Gain Position (Theta)	86.00	86.00	86.00	87.00	77.00	76.00	76.00	73.00	75.00	73.00	74.00
Peak Gain Position (Phi)	97.00	94.00	93.00	92.00	282.00	285.00	290.00	326.00	327.00	19.00	20.00
Efficiency ThetaPol (%)	72.41	69.75	66.66	64.78	64.77	64.91	62.60	61.51	61.65	60.58	63.02
Efficiency PhiPol (%)	1.28	1.21	1.14	1.12	1.09	1.03	0.97	0.94	0.95	0.95	1.02
Upper Hem. Efficiency (%)	44.36	42.10	39.82	38.65	38.70	39.16	38.12	37.78	37.88	36.83	37.62
Lower Hem. Efficiency (%)	29.34	28.86	27.98	27.25	27.16	26.79	25.45	24.67	24.72	24.70	26.41
T90(H)角度	2.05	2.30	2.40	2.35	2.34	1.84	1.70	2.09	2.25	2.25	2.09
Gain 15deg (dBi)											
E1(XZ)波谱宽度	73.00	78.00	84.00	82.00	81.00	80.00	72.00	66.00	45.00	60.00	60.00
E1(XZ)前后比	5.13	4.96	5.08	5.57	5.91	6.13	6.03	5.72	5.27	4.74	4.30
E2(YZ)波谱宽度	35.00	37.00	43.00	72.00	77.00	63.00	62.00	63.00	67.00	71.00	67.00
E2(YZ)前后比	3.82	3.85	3.87	3.83	3.66	3.66	3.63	3.45	3.10	2.69	2.50
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度处差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波谱宽度	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY)前后比	1.67	1.90	1.92	1.74	1.27	0.65	0.02	0.02	0.02	0.02	0.03
Empty											

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5150.0	5170.0	5190.0	5210.0	5230.0	5250.0	5270.0	5290.0	5310.0	5330.0	5350.0	5370.0	5390.0	5410.0	5430.0	5450.0	5470.0	5490.0	5510.0
-3.69	-3.67	-3.63	-3.56	-3.44	-3.21	-3.18	-3.26	-3.30	-3.38	-3.15	-2.80	-2.71	-2.57	-2.55	-2.73	-2.67	-2.52	-2.39
2.27	2.15	2.16	2.35	2.77	2.94	2.93	2.47	2.02	2.74	2.28	2.10	2.46	2.41	2.90	2.41	2.28	1.97	2.28
42.74	42.90	43.30	44.05	45.26	47.71	48.13	47.25	46.74	45.94	48.44	52.46	53.63	55.31	55.58	53.30	54.12	55.96	57.74
4.96	4.82	4.78	4.91	5.16	5.26	5.11	4.72	4.32	4.12	4.43	4.90	5.17	4.98	4.45	4.14	3.95	4.49	4.67
119.00	119.00	120.00	120.00	120.00	121.00	121.00	118.00	118.00	124.00	124.00	123.00	123.00	124.00	124.00	73.00	50.00	50.00	51.00
117.00	118.00	123.00	123.00	122.00	124.00	121.00	73.00	69.00	155.00	151.00	135.00	130.00	131.00	130.00	138.00	242.00	242.00	240.00
41.03	41.20	41.70	42.42	43.43	45.95	46.37	45.55	45.04	44.27	46.75	50.70	51.89	53.56	53.97	52.00	52.87	54.81	56.61
1.71	1.70	1.68	1.63	1.63	1.76	1.76	1.71	1.70	1.67	1.69	1.76	1.75	1.75	1.62	1.39	1.25	1.15	1.12
20.46	20.89	21.46	22.00	22.66	23.99	24.41	24.34	24.41	24.40	26.14	28.40	29.08	30.32	31.24	30.75	31.76	33.26	34.59
22.24	22.82	21.42	22.05	22.60	23.72	23.72	22.81	22.34	21.54	22.30	24.00	24.55	24.98	24.34	22.63	22.20	22.70	23.15
5.97	5.44	6.59	7.47	7.22	7.23	6.59	5.27	4.61	5.23	6.43	7.48	7.94	7.06	5.32	3.60	3.13	4.34	4.90
27.00	27.00	16.00	15.00	26.00	25.00	28.00	15.00	14.00	14.00	14.00	23.00	23.00	22.00	23.00	25.00	13.00	41.00	38.00
1.84	2.36	2.79	2.87	2.67	2.14	2.13	2.26	2.44	3.16	3.54	3.78	3.96	4.04	4.26	4.31	4.72	5.45	5.77
14.00	12.00	14.00	13.00	14.00	14.00	14.00	14.00	14.00	14.00	20.00	25.00	15.00	14.00	15.00	37.00	18.00	18.00	18.00
1.89	1.87	2.22	2.55	2.85	2.94	2.79	2.84	2.59	2.40	3.87	3.51	3.79	3.65	3.25	3.16	4.46	5.47	5.81
1.50	1.59	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
263.00	191.80	119.00	92.00	81.00	97.00	124.00	124.00	186.00	157.00	182.00	86.00	114.00	124.00	213.00	245.00	288.00	168.00	146.00
0.00	0.01	0.00	0.00	1.30	1.90	1.92	1.37	0.78	0.78	1.37	2.07	3.00	3.86	3.44	1.84	1.13	1.98	2.54

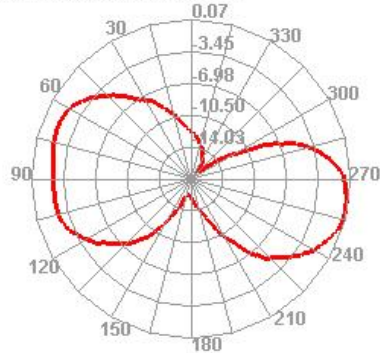
2400.000MHz



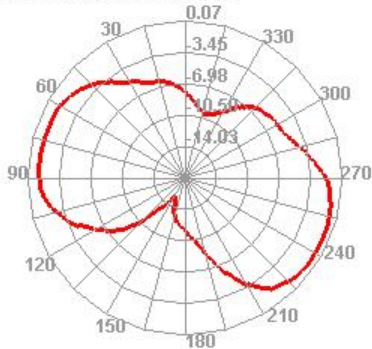
2400.000MHz H



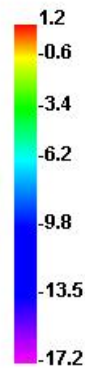
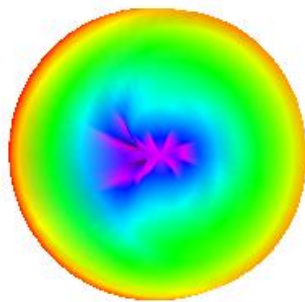
2400.000MHz E1



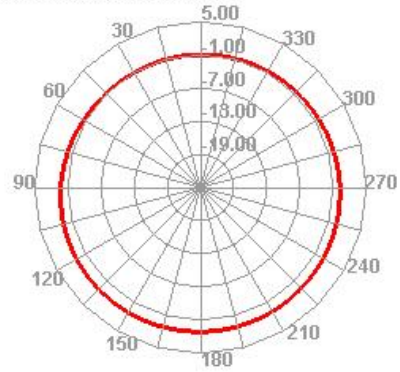
2400.000MHz E2



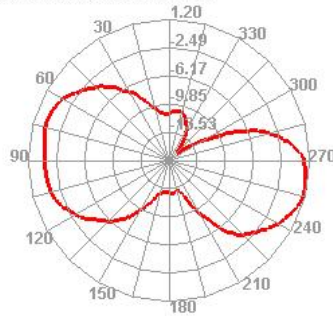
2450.000MHz



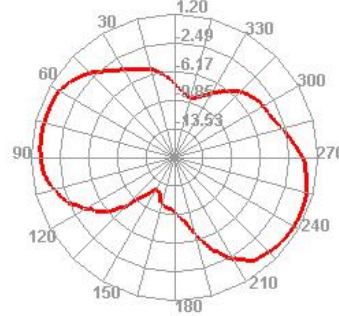
2450.000MHz H



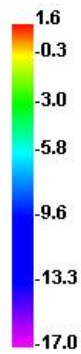
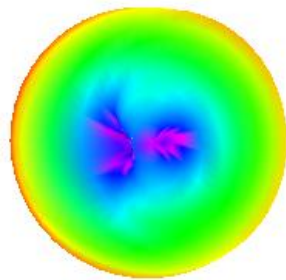
2450.000MHz E1



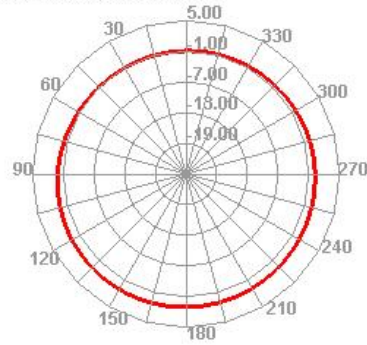
2450.000MHz E2



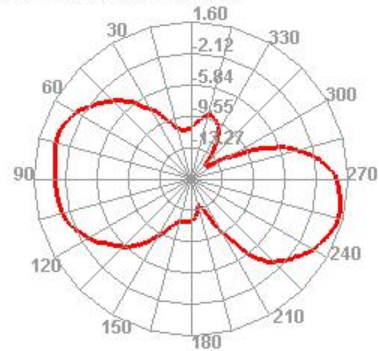
2500.000MHz



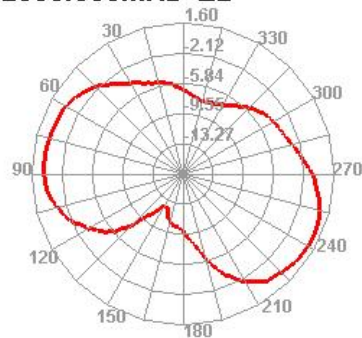
2500.000MHz H



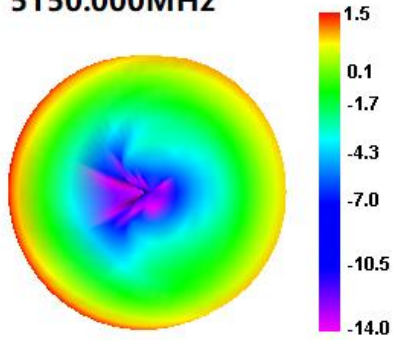
2500.000MHz E1



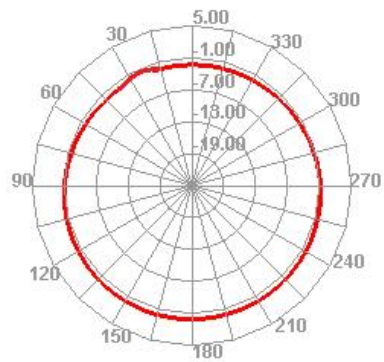
2500.000MHz E2



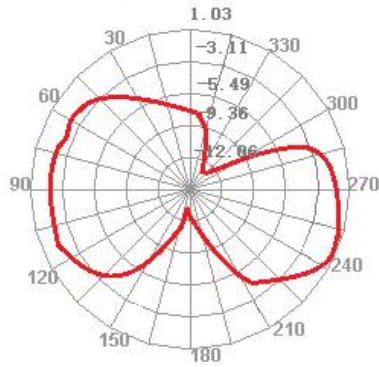
5150.000MHz



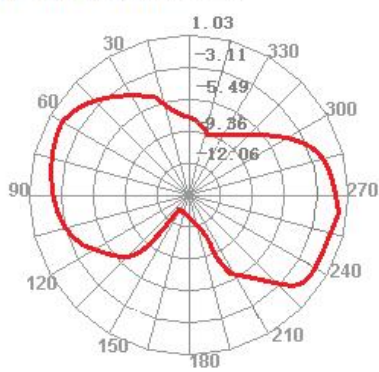
5150.000MHz H



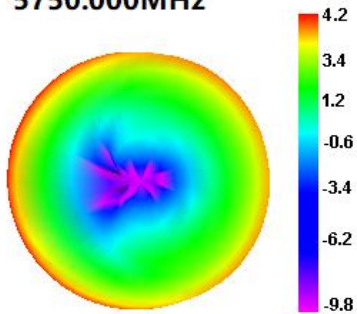
5150.000MHz E1



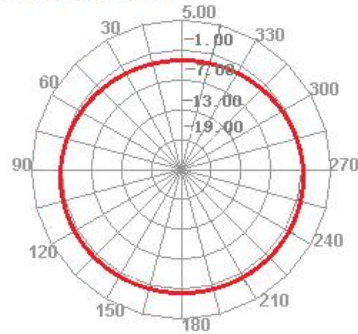
5150.000MHz E2



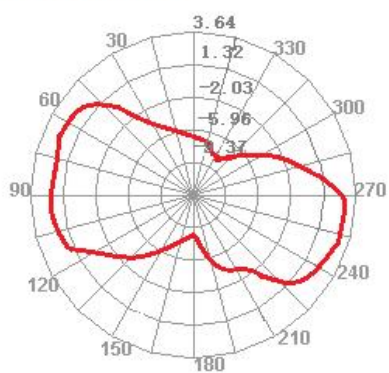
5750.000MHz



5750.000MHz H



5750.000MHz E1



5750.000MHz E2

