

Product Specification

Part Name: ipd2400-5800

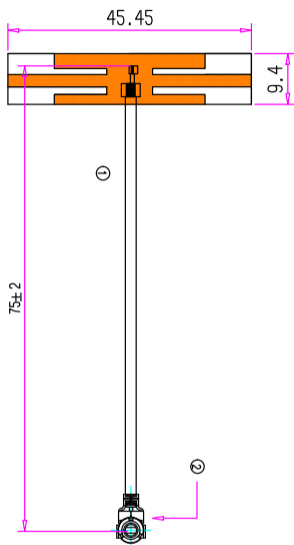
Description: 2.4G/5.8G FPC Antenna



Specification

Electrical	
频率 Frequency	2400-5800mhz
增益 Gain	3.90dBi for 2.4G;5.93dBi for 2.4G
驻波比 VSWR	≤2
阻抗 Impedance	50 Ω
功率 Maximum Power input	50W
Mechanical	
尺寸 Antenna dimension	45*9mm
电缆颜色 Cable color	Black
电缆长度 Cable length	70mm
接口 Connector	IPEX-1
Environment	
Working humidity	20~80%
Operation Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

Mechanical Drawing



- 要求:
- 1.
 2. 成品须100%测试导通OK
 3. 成品须100%全检OK.
 4. 采用环保制程. 符合ROHS要求.
 5. 端子拉力: 1.5KG~.
 6. 未注公差请以一般公差为准.

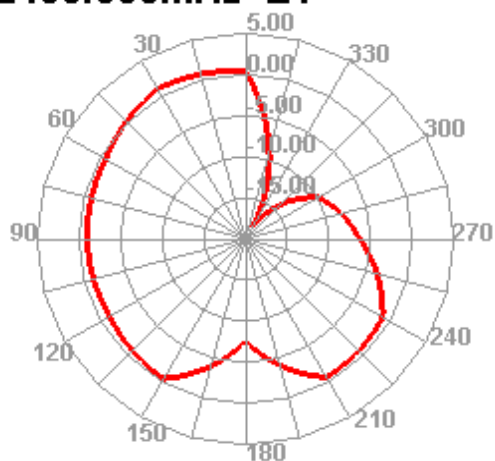
3	IPEX	IPEX-1.13线端	1	1113-0004
2	FPC	45.45*9.4FPC	1	1601-0135
1	线材	OD1.13黑-48-锡-FEP	1	1301-0004
No.	Name	Description	Q'ty	Part No.

	版本 (REV) A0	图形名称 (Draw Name) 组立图	客户料号 (CIS No.)
一般公差 (GENERAL TOLERANCES) 尺寸 (Dimension) 0.1 ±0.1 1.10 ±0.3 10.30 ±0.6 30.100 ±1 100-200 ±2	比例 (Scale) 1:1	产品名称 (Product Name) IPEX-113黑色-PCB天线-1.75MM	产品料号 (Product No.)
角度 (Angles) 3° ±1° X.X° ±0.5°	绘图 (Draw Name) 陈湘柳	单位 (UNIT) mm	幅面 (Size) A4
	审核 (Checked)	页/次 (Sheet) 1/1	首版日期 (Original Date) 2022-01-10
(UNLESS OTHERWISE SPECIFIED)	核准 (APPROVED)	深圳市爱沛德电子有限公司 SHENZHEN IPD ELECTRONIC CO.,LTD	

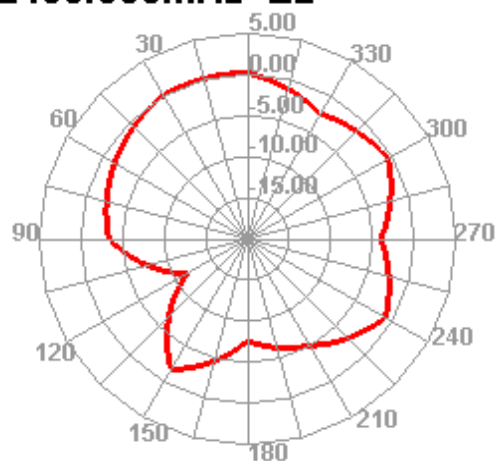
Passive Test For 2.4-5.8										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenuat Hor	
2200	44.01	-3.56	0.58	-1.57	20.385	23.623	0.58	-20.04	44.82	
2250	52.63	-2.79	0.77	-1.38	25.205	27.43	0.77	-16.51	45.23	
2300	55.38	-2.57	1.68	-0.47	27.462	27.913	1.68	-21.27	45.78	
2350	57.3	-2.42	1.56	-0.59	28.632	28.671	1.56	-26.05	46.38	
2400	61.85	-2.09	1.68	-0.47	30.963	30.891	1.68	-18.31	46.87	
2450	67.43	-1.71	1.65	-0.5	34.578	32.849	1.65	-14.54	47.72	
2500	78.97	-1.03	2.54	0.39	40.978	37.988	2.54	-13.4	47.75	
2550	75.68	-1.21	2.5	0.35	41.675	34.004	2.5	-10.31	47.22	
2600	83.59	-0.78	3.57	1.42	47.913	35.676	3.57	-10.98	47.84	
2650	83.46	-0.79	3.79	1.64	48.426	35.038	3.79	-9.47	48.18	
2700	78.43	-1.06	3.58	1.43	45.355	33.076	3.58	-11.14	48.52	
2750	79.91	-0.97	2.7	0.55	46.163	33.747	2.7	-10.16	49.05	
2800	91.87	-0.37	3.42	1.27	53.606	38.262	3.42	-10.57	49.69	
2850	91.73	-0.37	3.42	1.27	53.685	38.046	3.42	-16.06	49.92	
2900	95.2	-0.21	3.9	1.75	55.878	39.325	3.9	-17.98	50.13	
2950	91.28	-0.4	3.71	1.56	53.764	37.517	3.71	-15.15	50.16	
3000	78.7	-1.04	3.55	1.4	46.086	32.615	3.55	-14.01	50.19	
3050	52.62	-2.79	2.13	-0.02	30.583	22.04	2.13	-12.61	50.03	
3100	33.62	-4.73	0.03	-2.12	19.195	14.427	0.03	-14.84	51.1	
3150	58.23	-2.35	2.54	0.39	33.021	25.214	2.54	-16.32	51.44	
3200	78.24	-1.07	3.04	0.89	42.669	35.573	3.04	-18.83	51.56	
3250	79.64	-0.99	3.12	0.97	42.179	37.466	3.12	-20.48	51.76	
3300	74.64	-1.27	2.41	0.26	39.298	35.341	2.41	-15.47	51.51	
3350	80.36	-0.95	2.76	0.61	41.22	39.145	2.76	-13.89	51.99	
3400	84.82	-0.71	3.7	1.55	42.776	42.045	3.7	-13.67	52.22	
3450	74.85	-1.26	3.51	1.36	37.089	37.757	3.51	-14.2	52.03	
3500	66.55	-1.77	3.36	1.21	32.728	33.823	3.36	-13.99	52.56	
3550	62.51	-2.04	3.09	0.94	30.22	32.292	3.09	-15.57	53.02	
3600	60.19	-2.2	2.81	0.66	29.001	31.191	2.81	-16.09	53.04	
3650	68.33	-1.65	3.62	1.47	32.375	35.952	3.62	-15.93	53.47	
3700	73	-1.37	3.91	1.76	34.116	38.883	3.91	-13.93	53.51	
3750	70.3	-1.53	4.4	2.25	32.353	37.946	4.4	-12.55	53.33	
3800	63.72	-1.96	3.81	1.66	29.168	34.549	3.81	-13.12	52.81	
3850	60.17	-2.21	3.74	1.59	27.138	33.032	3.74	-14.41	52.56	
3900	67.76	-1.69	4.24	2.09	30.59	37.171	4.24	-13.72	52.83	
3950	70.48	-1.52	4.08	1.93	30.865	39.619	4.08	-12.49	52.87	
4000	72.17	-1.42	3.96	1.81	31.37	40.801	3.96	-13.24	52.98	

4050	76.75	-1.15	3.9	1.75	32.647	44.105	3.9	-13.56	54.18
4100	74.01	-1.31	3.47	1.32	31.541	42.467	3.47	-15.93	54.65
4150	69.03	-1.61	3.25	1.1	29.666	39.363	3.25	-18.25	54.24
4200	64.84	-1.88	3.24	1.09	27.667	37.174	3.24	-14.32	54.33
4250	92.93	-0.32	5.23	3.08	37.867	55.06	5.23	-17.6	57.13
4300	75.25	-1.23	4.64	2.49	28.611	46.643	4.64	-18.21	56.6
4350	64.88	-1.88	4.17	2.02	22.564	42.312	4.17	-13.96	55.85
4400	70.59	-1.51	4.68	2.53	23.159	47.429	4.68	-14.47	56.15
4450	64.57	-1.9	3.71	1.56	21.168	43.405	3.71	-15.41	55.99
4500	40.35	-3.94	1.65	-0.5	13.329	27.021	1.65	-16.26	54.66
4550	35.42	-4.51	1.06	-1.09	11.966	23.453	1.06	-17.61	54.96
4600	37.33	-4.28	1.18	-0.97	12.567	24.766	1.18	-17.74	55.05
4650	45.2	-3.45	1.42	-0.73	16.004	29.199	1.42	-14.26	56.08
4700	40.41	-3.93	0.6	-1.55	15.241	25.172	0.6	-13.35	59.35
4750	28.22	-5.49	-1.1	-3.25	11.703	16.519	-1.1	-15.32	55.93
4800	28.55	-5.44	-1.04	-3.19	12.94	15.608	-1.04	-16.26	55.94
4850	32.44	-4.89	-0.66	-2.81	15.531	16.908	-0.66	-16.63	55.74
4900	35.52	-4.5	-0.88	-3.03	17.491	18.028	-0.88	-15.23	55.7
4950	30.79	-5.12	-1.71	-3.86	15.044	15.743	-1.71	-16.45	55.16
5000	32.61	-4.87	-1.34	-3.49	15.566	17.045	-1.34	-16.93	54.98
5050	37.56	-4.25	-1.06	-3.21	17.501	20.062	-1.06	-14.62	54.72
5100	44.81	-3.49	-0.24	-2.39	20.173	24.638	-0.24	-11.51	55
5150	46.25	-3.35	-0.27	-2.42	20.861	25.39	-0.27	-10.31	54.78
5200	46.55	-3.32	0.38	-1.77	21.983	24.57	0.38	-9.46	54.75
5250	49.77	-3.03	0.81	-1.34	24.429	25.341	0.81	-10.06	54.73
5300	52.67	-2.78	1.29	-0.86	24.989	27.678	1.29	-10.81	54.5
5350	65.5	-1.84	2.55	0.4	29.787	35.711	2.55	-11.1	55.24
5400	77.79	-1.09	3.77	1.62	34.046	43.741	3.77	-13.22	55.55
5450	71.47	-1.46	3.81	1.66	30.644	40.827	3.81	-16.9	55.31
5500	69.73	-1.57	3.99	1.84	29.596	40.132	3.99	-19.47	55.63
5550	74.62	-1.27	4.45	2.3	31.407	43.21	4.45	-20.07	56.59
5600	72.64	-1.39	4.56	2.41	29.994	42.643	4.56	-20.99	57.26
5650	76.09	-1.19	4.84	2.69	30.889	45.199	4.84	-19.12	57.84
5700	82.79	-0.82	5.37	3.22	32.672	50.113	5.37	-14.95	57.82
5750	82.58	-0.83	5.42	3.27	32.119	50.456	5.42	-14.86	57.87
5800	81.43	-0.89	5.42	3.27	31.302	50.124	5.42	-18.07	57.78
5850	91.68	-0.38	5.93	3.78	35.17	56.506	5.93	-20.71	58.5
5900	89.84	-0.47	5.54	3.39	34.332	55.509	5.54	-17.86	58.59
5950	92.92	-0.32	5.64	3.49	35.339	57.585	5.64	-14.44	59.52
6000	102.28	0.1	5.82	3.67	38.816	63.462	5.82	-12.12	61.25

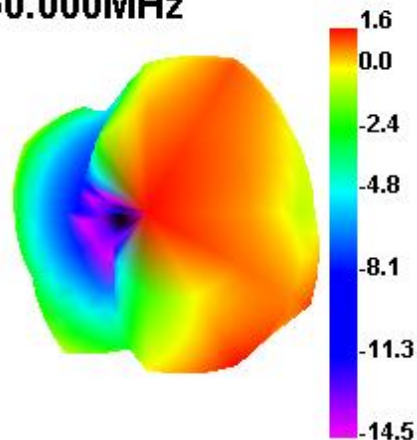
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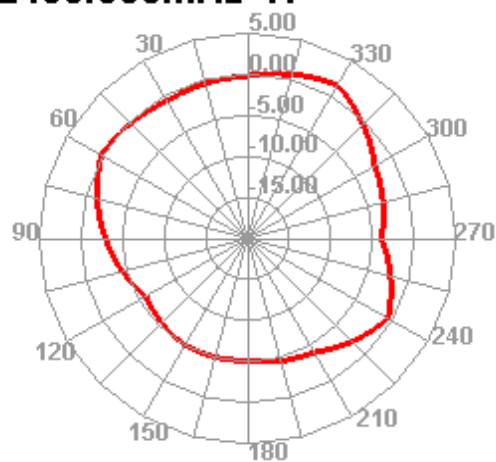
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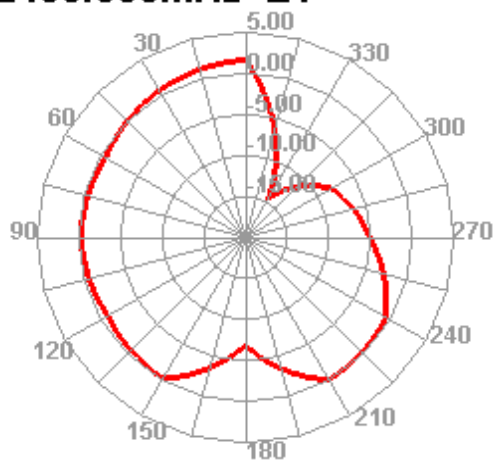
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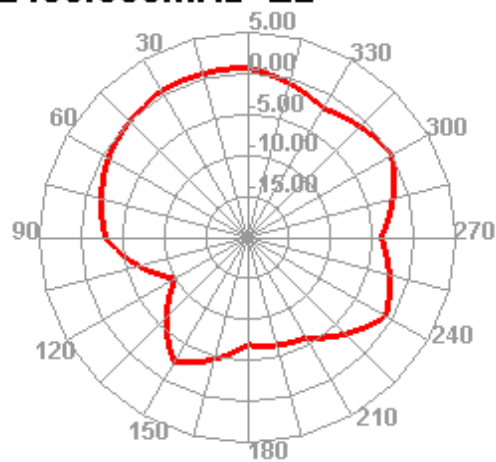
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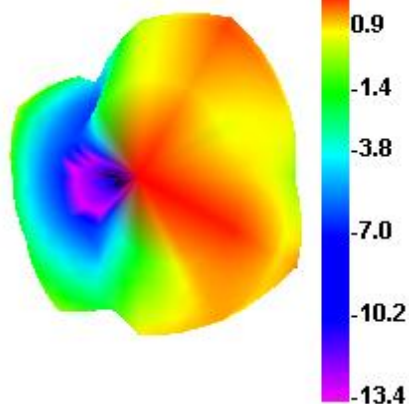
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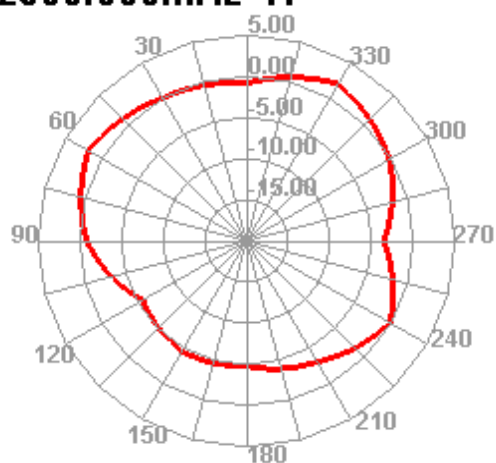
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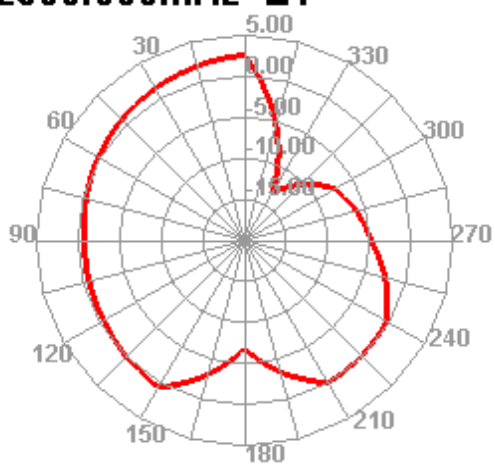
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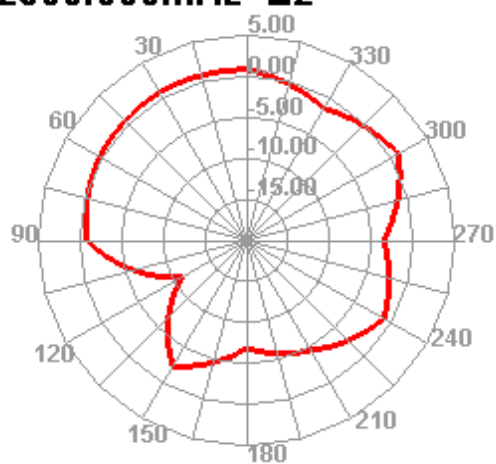
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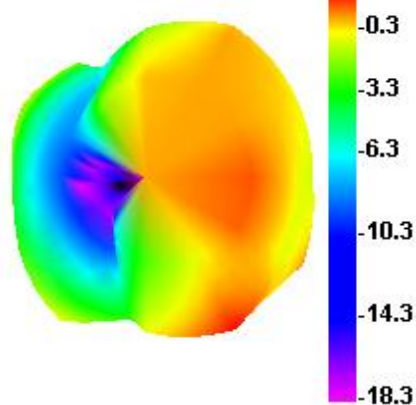
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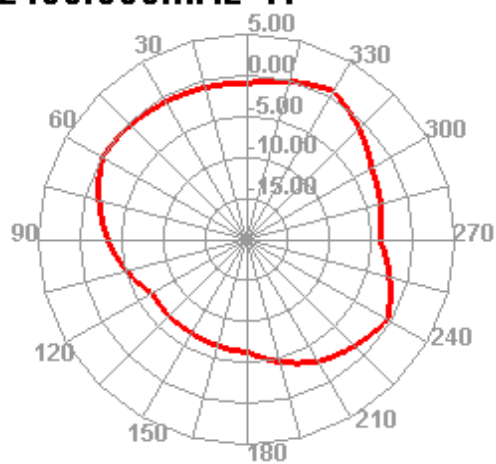
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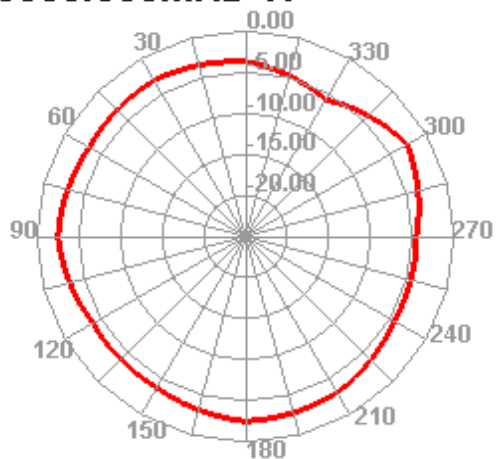
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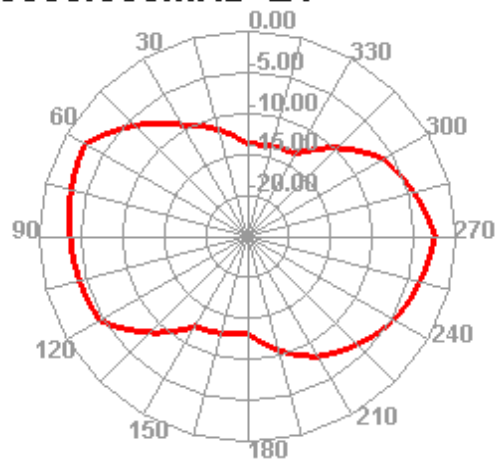
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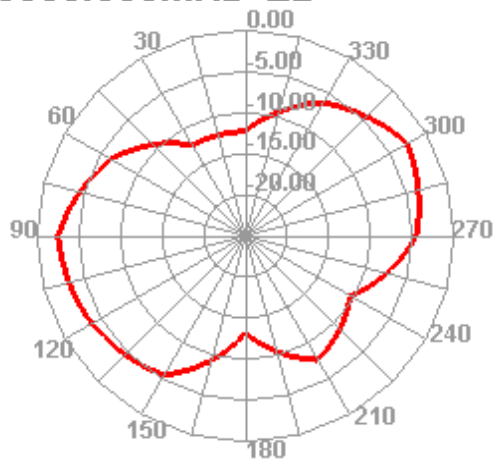
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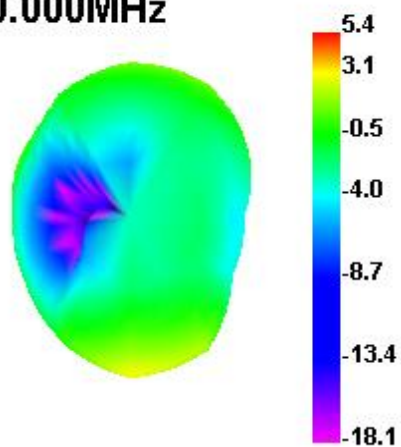
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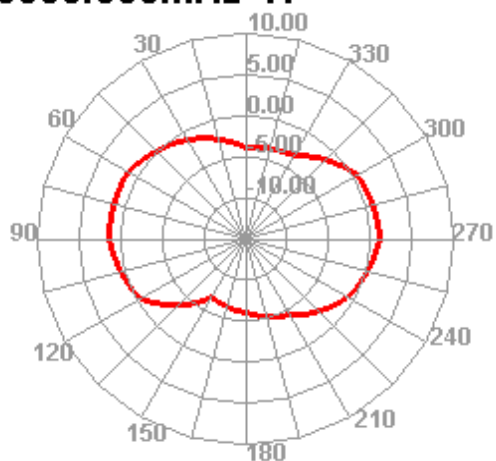
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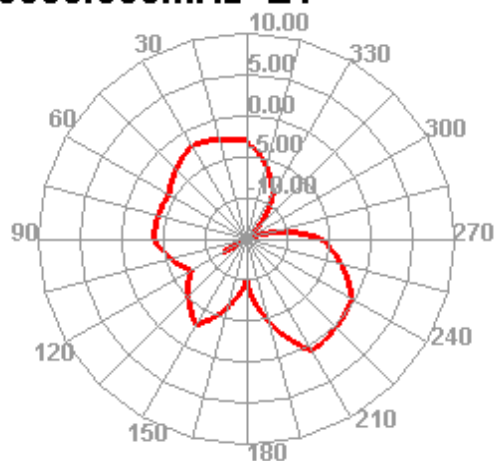
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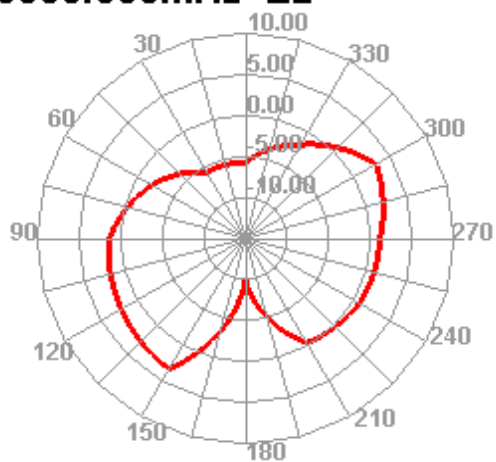
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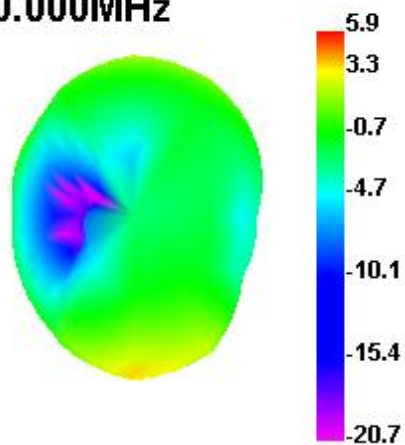
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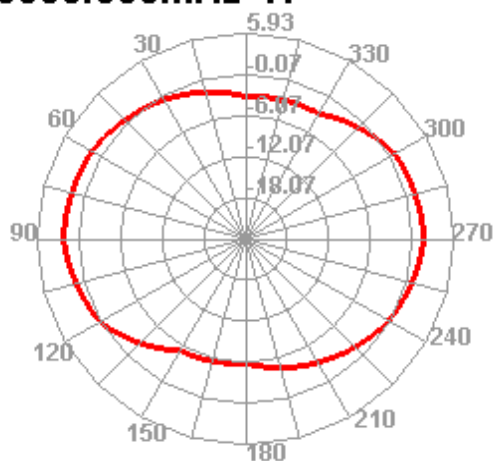
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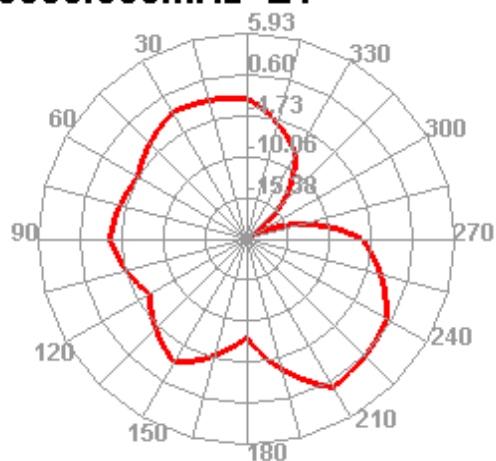
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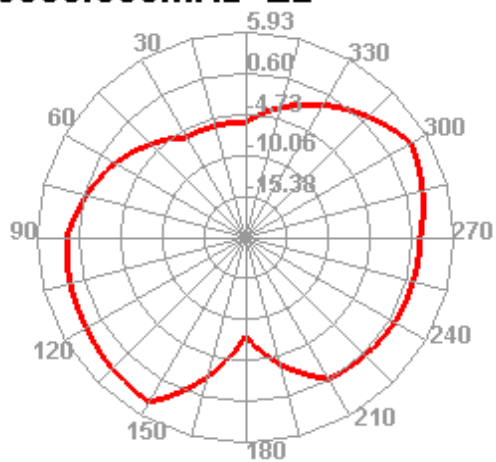
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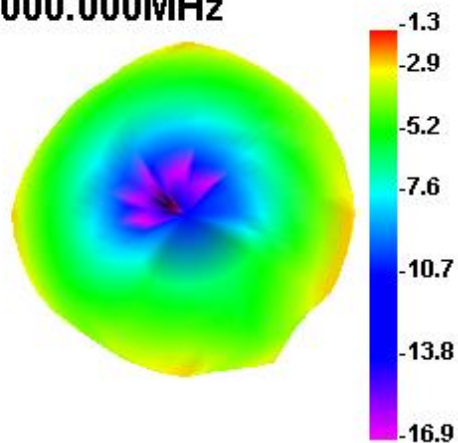
5850.000MHz E1



5850.000MHz E2



5000.000MHz





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