



深圳市固扬通讯技术有限公司

SHENZHEN GUYANG COMMUNICATION TECHNOLOGY CO.,LTD.

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产品规格承认书

Product specifications acknowledgment

制造厂商 : Shenzhen Guyang Communication Technology Co., LTD

(Manufacturer)

产品名称 : Built-in Wi-Fi antenna

(Description)

产品型号 : GY-N-WIFI-K6-V03 (One-to-One Substrate with 3M

Back Adhesive) (Product Type)

一、Antenna installation location



二、Product Features

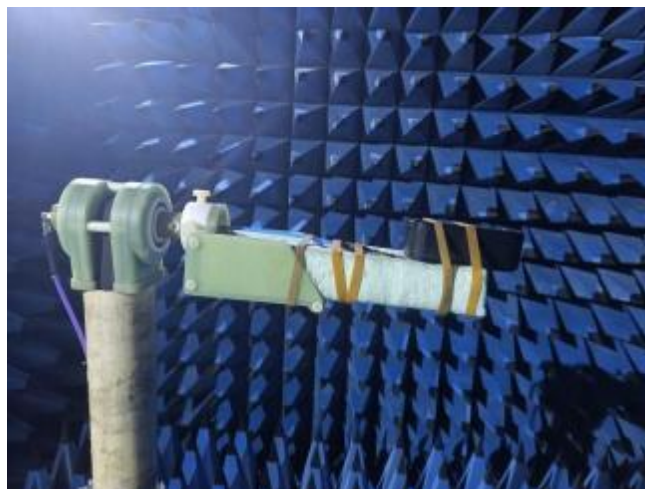
1. The antenna features a structure combining FPC, 3M adhesive, and coaxial cable;
2. Attach the FPC to the product's front shell using 3M adhesive;
3. The power supply method is IPEX.

三、Product Parameters

产品名称 Name : Antenn	内置天线Built-in WiFi	型号 Model Type	GY-N-WIFI-K6-V03
频率范围 Frequency Range	2400-2500MHz 5150-5850MHz	尺寸 Dimensions (mm)	65.6×8.5mm
带宽 Band Width	980(MHz)	材质 Material	FPC 一对一
工作温度 Working Temperature	-30℃-+85℃	存放温度 Limit Temperature	-30℃-+85℃
线长 Line length	85±3mm	线材 wire	1.13 低损黑色线

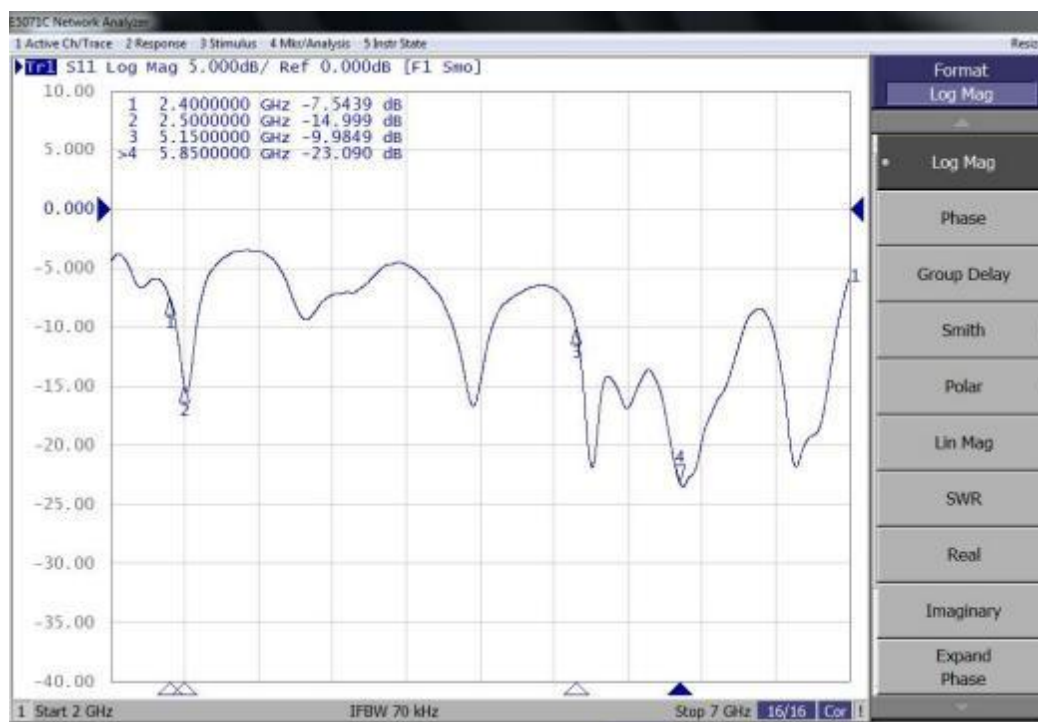


四、Test Environment



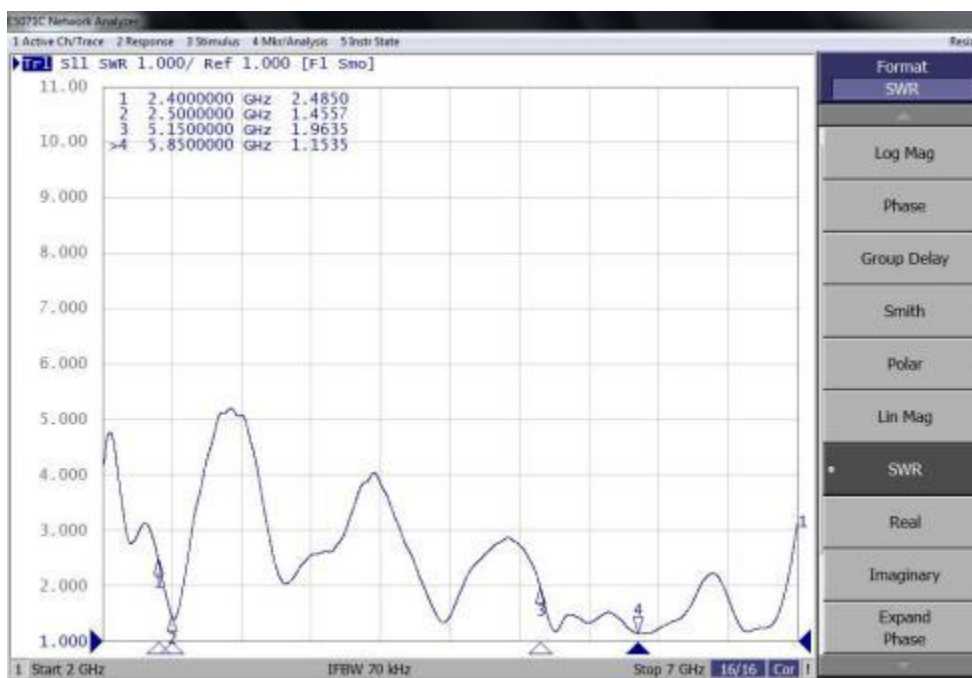
3D full-wave darkroom

五、Echo loss

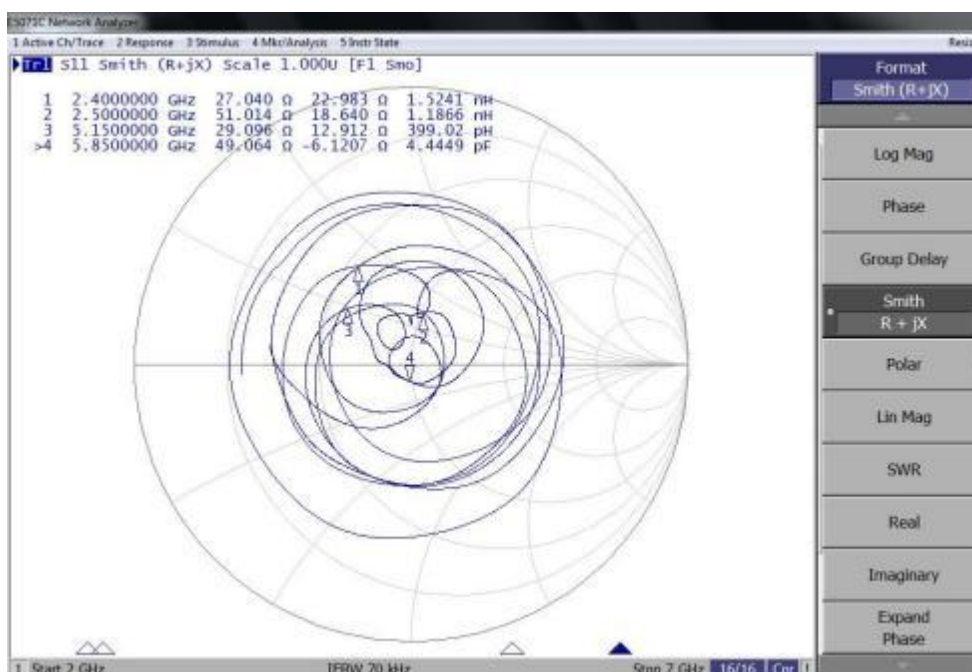




六、Voltage Standing Wave Ratio



七、Impedance Diagram



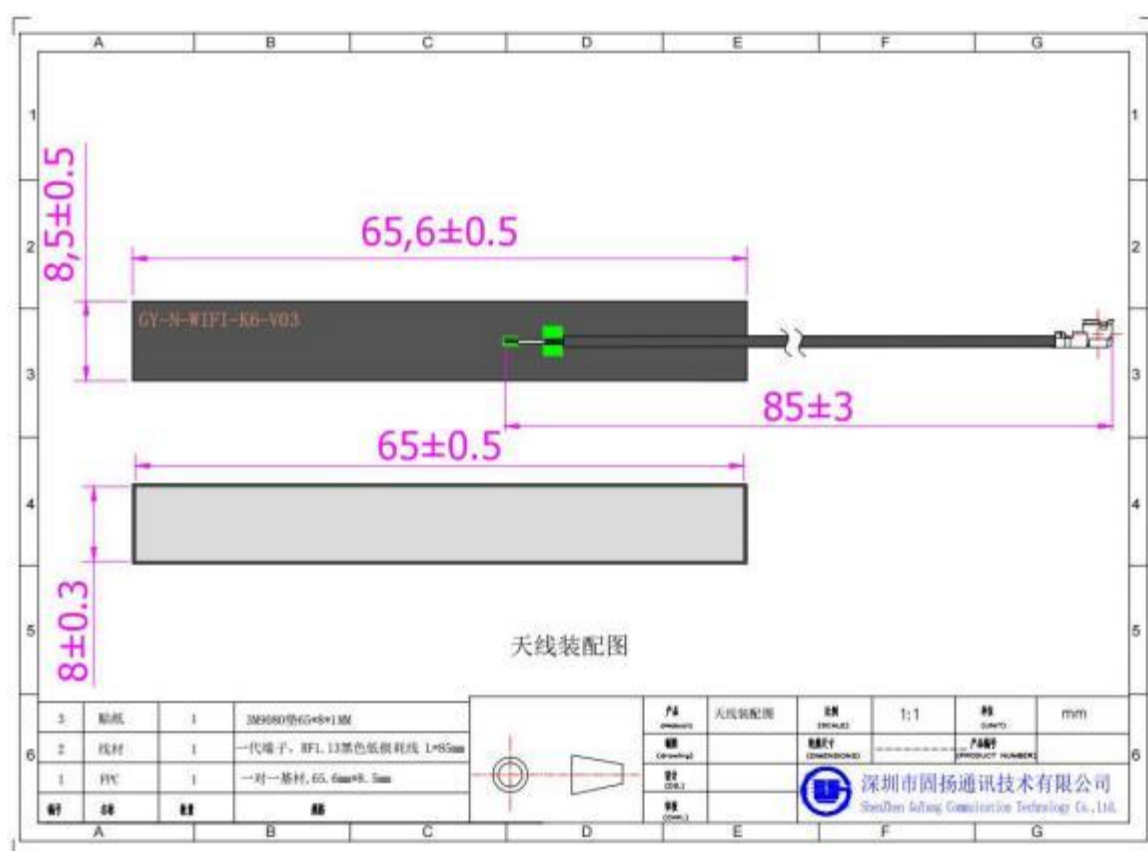


八、Test Data

Passive Test For 2400-2500、5150-5850								
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.37	0.81	5315	52.11	0.87	5585	64.26	3.62
2405	47.95	0.68	5320	52.32	0.81	5590	64.11	3.73
2410	48.19	0.69	5325	52.44	0.76	5595	62.15	3.41
2415	48.5	0.74	5330	49.9	0.53	5600	60.15	3.33
2420	46.68	0.59	5335	50.4	0.56	5605	61.61	3.48
2425	46.76	0.62	5340	52.94	0.75	5610	60.66	3.34
2430	48.19	0.79	5345	50.92	0.61	5615	59.93	3.3
2435	48.62	0.86	5350	51.44	0.68	5620	61.12	3.3
2440	49.77	0.98	5355	52.73	0.9	5625	61.88	3.44
2445	50.85	1.07	5360	50.38	0.58	5630	62.63	3.55
2450	51.92	1.13	5365	51.29	0.72	5635	63.32	3.67
2455	52.52	1.14	5370	50.11	0.65	5640	63.93	3.89
2460	51.47	0.96	5375	49.46	0.44	5645	64.96	4
2465	51.2	0.81	5380	50.46	0.47	5650	65.48	4.12
2470	51.14	0.68	5385	49.04	0.3	5655	65.28	4.15
2475	50.26	0.52	5390	50.06	0.49	5660	64.18	4.09
2480	51.01	0.5	5395	49.09	0.52	5665	63.91	4.09
2485	51.58	0.46	5400	49.72	0.65	5670	63.39	4.07
2490	51.58	0.41	5405	55.12	1.09	5675	61.85	3.91
2495	52.09	0.46	5410	55.05	1.22	5680	60.19	3.71
2500	51.4	0.43	5415	54.06	1.28	5685	61.62	3.84
5150	47.95	0.77	5420	56.29	1.42	5690	63.07	3.92
5155	46.27	0.45	5425	55.9	1.44	5695	63.64	3.97
5160	46.71	0.47	5430	55.22	1.41	5700	63.61	4.04
5165	46.01	0.34	5435	54.27	1.46	5705	64.7	4.18
5170	45.29	0.07	5440	53.08	1.37	5710	65.6	4.32
5175	47.36	0.21	5445	52.93	1.31	5715	66.52	4.47
5180	48.86	0.16	5450	52.68	1.47	5720	68.07	4.63
5185	49.74	0.21	5455	53.13	1.53	5725	68.51	4.76
5190	50.42	0.16	5460	53.68	1.63	5730	68.71	4.88
5195	50.39	0.04	5465	54.69	1.74	5735	68.37	4.87
5200	50.99	0.11	5470	54.76	1.83	5740	67.96	4.84
5205	50.98	0.15	5475	57.06	2.1	5745	65.29	4.65
5210	50.72	0.23	5480	59.88	2.36	5750	63.96	4.54
5215	50.48	0.28	5485	61.04	2.48	5755	64.37	4.54
5220	49.77	0.25	5490	59.81	2.48	5760	61.62	4.32

5225	50.32	0.29	5495	59.09	2.55	5765	60.89	4.16
5230	49.87	0.26	5500	59.73	2.65	5770	61.39	4.22
5235	50.66	0.39	5505	58.07	2.57	5775	59.19	4.09
5240	51.38	0.38	5510	57.95	2.62	5780	60.21	4.21
5245	52.11	0.43	5515	59.82	2.81	5785	61.48	4.42
5250	52.55	0.47	5520	59.18	2.77	5790	61.38	4.53
5255	52.48	0.39	5525	59.25	2.76	5795	63.99	4.85
5260	52.52	0.46	5530	58.63	2.85	5800	64.63	4.9
5265	52.92	0.48	5535	58.47	2.75	5805	64.82	4.99
5270	53.16	0.65	5540	61.2	2.91	5810	65.8	5.08
5275	53.42	0.72	5545	59.8	2.87	5815	64.54	4.97
5280	52.69	0.74	5550	61.78	3.01	5820	63.53	4.89
5285	52.08	0.8	5555	63.23	3.17	5825	61.87	4.79
5290	51.39	0.92	5560	62.98	3.23	5830	61.24	4.68
5295	50.96	0.84	5565	66.39	3.54	5835	61.12	4.58
5300	51.28	0.87	5570	65.54	3.52	5840	60.33	4.5
5305	51.7	0.89	5575	63.7	3.53	5845	60.7	4.52
5310	52.06	0.94	5580	65.07	3.7	5850	61.34	4.55

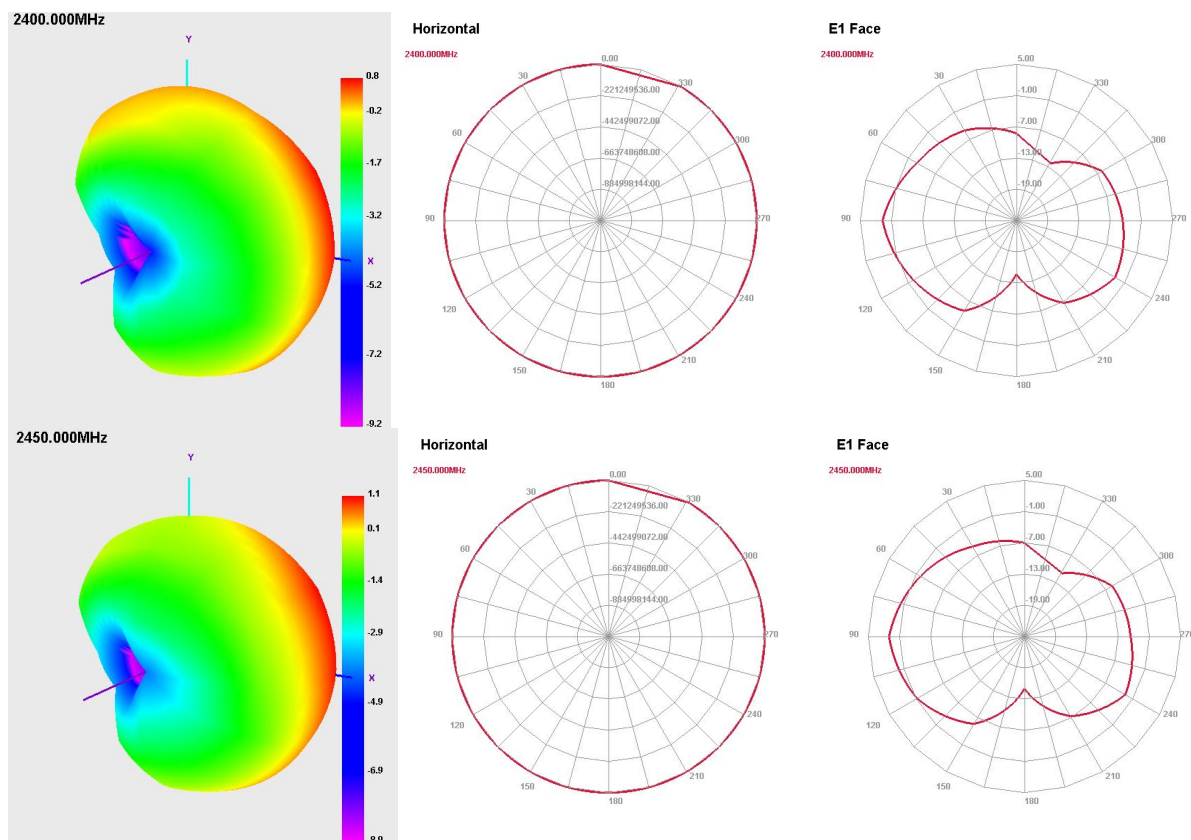
九、Antenna Assembly Diagram





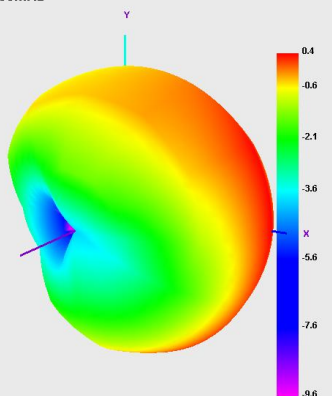
5225	50.32	0.29	5495	59.09	2.55	5765	60.89	4.16
5230	49.87	0.26	5500	59.73	2.65	5770	61.39	4.22
5235	50.66	0.39	5505	58.07	2.57	5775	59.19	4.09
5240	51.38	0.38	5510	57.95	2.62	5780	60.21	4.21
5245	52.11	0.43	5515	59.82	2.81	5785	61.48	4.42
5250	52.55	0.47	5520	59.18	2.77	5790	61.38	4.53
5255	52.48	0.39	5525	59.25	2.76	5795	63.99	4.85
5260	52.52	0.46	5530	58.63	2.85	5800	64.63	4.9
5265	52.92	0.48	5535	58.47	2.75	5805	64.82	4.99
5270	53.16	0.65	5540	61.2	2.91	5810	65.8	5.08
5275	53.42	0.72	5545	59.8	2.87	5815	64.54	4.97
5280	52.69	0.74	5550	61.78	3.01	5820	63.53	4.89
5285	52.08	0.8	5555	63.23	3.17	5825	61.87	4.79
5290	51.39	0.92	5560	62.98	3.23	5830	61.24	4.68
5295	50.96	0.84	5565	66.39	3.54	5835	61.12	4.58
5300	51.28	0.87	5570	65.54	3.52	5840	60.33	4.5
5305	51.7	0.89	5575	63.7	3.53	5845	60.7	4.52
5310	52.06	0.94	5580	65.07	3.7	5850	61.34	4.55

十、苹果图

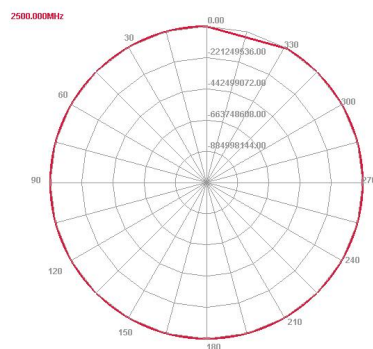




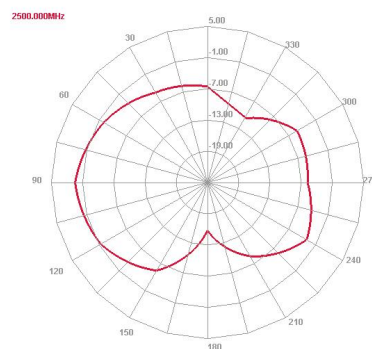
2500.000MHz



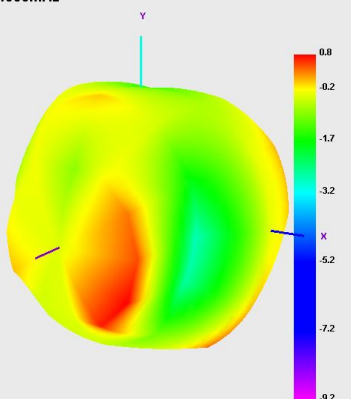
Horizontal



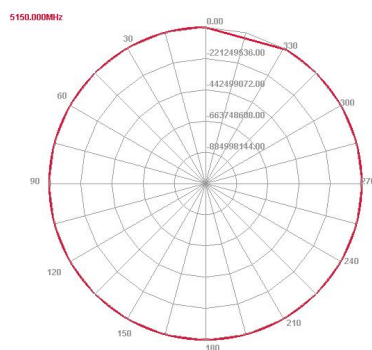
E1 Face



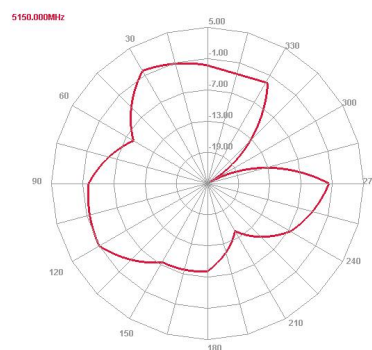
5150.000MHz



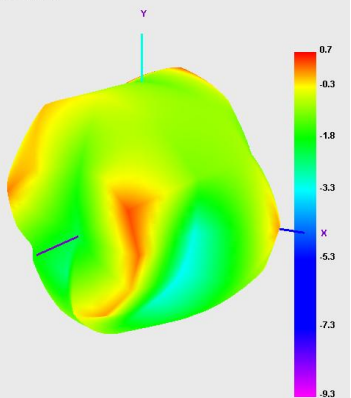
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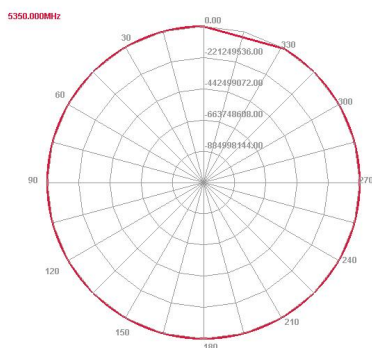
E1 Face



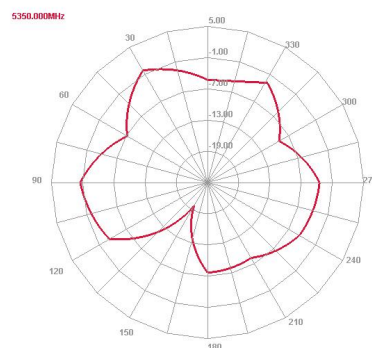
5350.000MHz



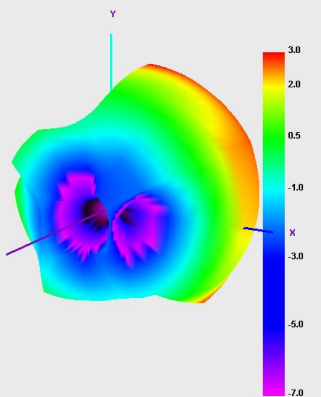
Horizontal



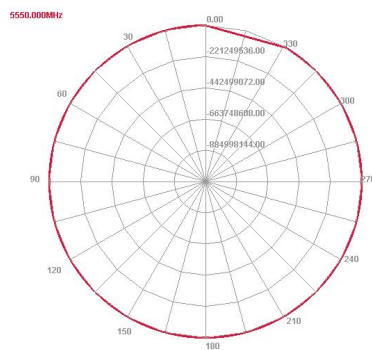
E1 Face



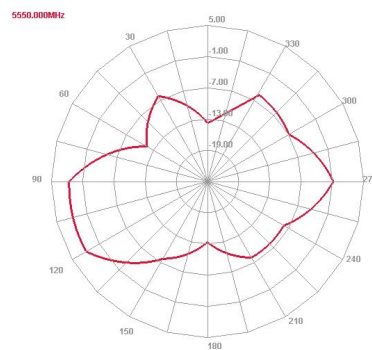
5550.000MHz



Horizontal

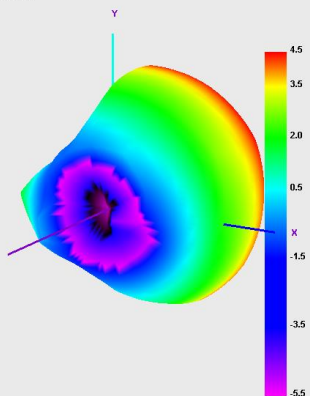


E1 Face

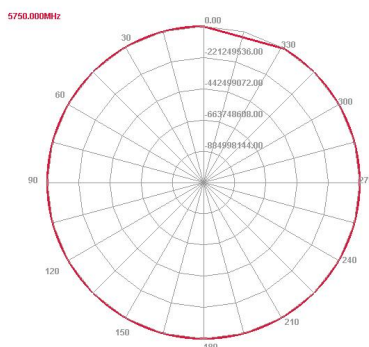




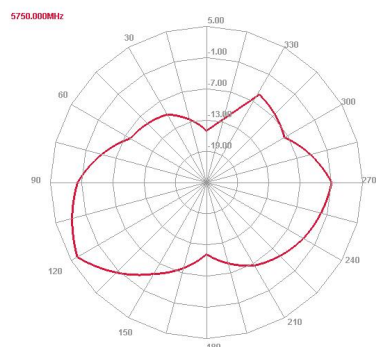
5750.000MHz



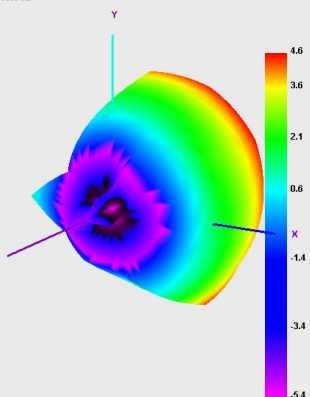
Horizontal



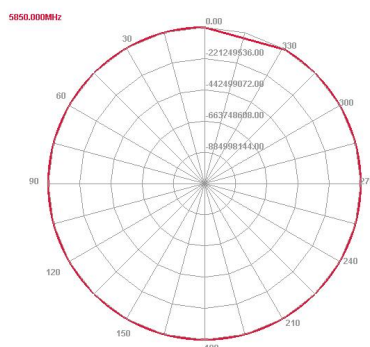
E1 Face



5850.000MHz



Horizontal



E1 Face

