

**Shenzhen DEWEIMA Communication Equipment Co.Ltd**  
**SPECIFICATIONSHEET FOR APPROVAL**

**规格书**

<b>CUSTOMER NAME</b> (客户名称)	FLYSKY RC MODEL TECHNOLOGY CO., LTD (东莞富斯)
<b>CUSTOMER P/N</b> (客户料号)	YT-100-01
<b>PART NAME</b> (品 名)	GS-R2F-0G3B Receiver antenna (GS-R2F-0G3B 接收机天线)
<b>DWM P/N</b> (料 号)	
<b>APPROVAL REV.</b> 版次	DWM-V1.0

<b>CONTRACTOR (承制商)</b>			<b>DATE: 2021-04-14</b>
<b>QA</b> (品质)	<b>ME</b> (结构)	<b>RF</b> (射频)	<b>Approved By</b> (核准)
<b>CUSTOMER (客户)</b>			<b>DATE:</b>
<b>Approved By</b> (核准)	<b>Checked By</b> (审核)	<b>Prepared By</b> (编制)	

# 深圳市德威玛通讯设备有限公司

## 1. 目的 objective

对于深圳市德威玛通讯设备有限公司出品的移动通信终端天线产品规格、测试方法进行规范，避免因测试条件，方法的不同引起误差。

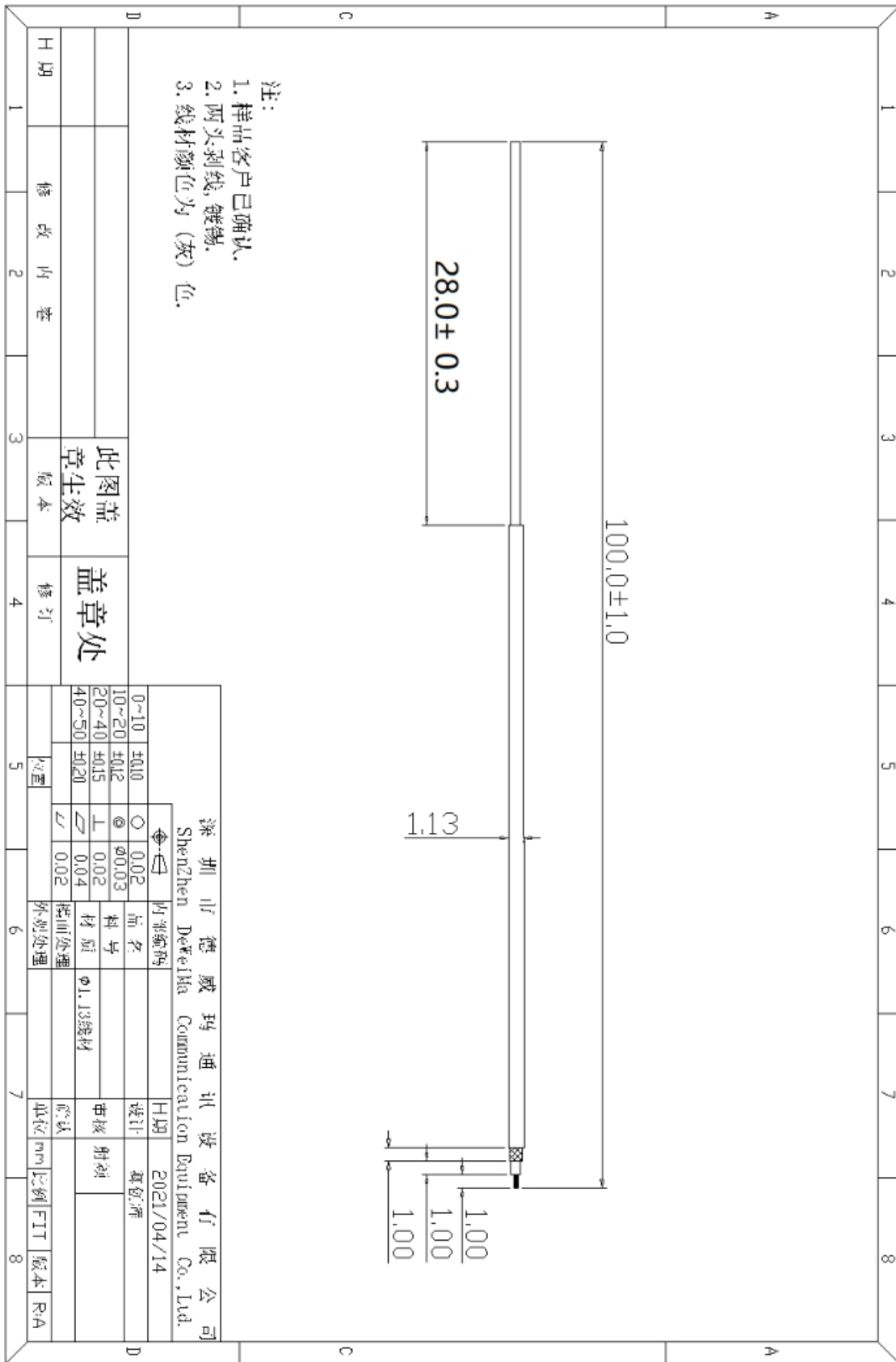
To standardize the product specifications and test methods of mobile communication terminal antenna produced by Shenzhen Devima Communication Equipment Co., LTD., to avoid errors caused by different test conditions and methods.

## 2. 技术指标与实验设备 technical index

### 2.1 技术指标 technical index

产品电气性能指标 Electrical performance index of products	
工作频率范围 operating frequency range	2400~2500MHz
驻波比 SWR	2400~2500MHz<5.0
天线增益 antenna gain	2400~2500MHz:-1.11dBi
辐射效率 radiant efficiency	2400~2500MHz>15%
阻抗 impedance	50ohm
产品材料说明 Product material Description	
<b>灰色 1.13 同轴线 100mm</b> <b>Gray 1.13 coaxial line 100mm</b>	
产品环境说明 Product Environment Description	
工作温度 Operation Temperature	- 30°C ~ + 85 °C
储藏温度 Store Temperature	- 30°C ~ + 85 °C

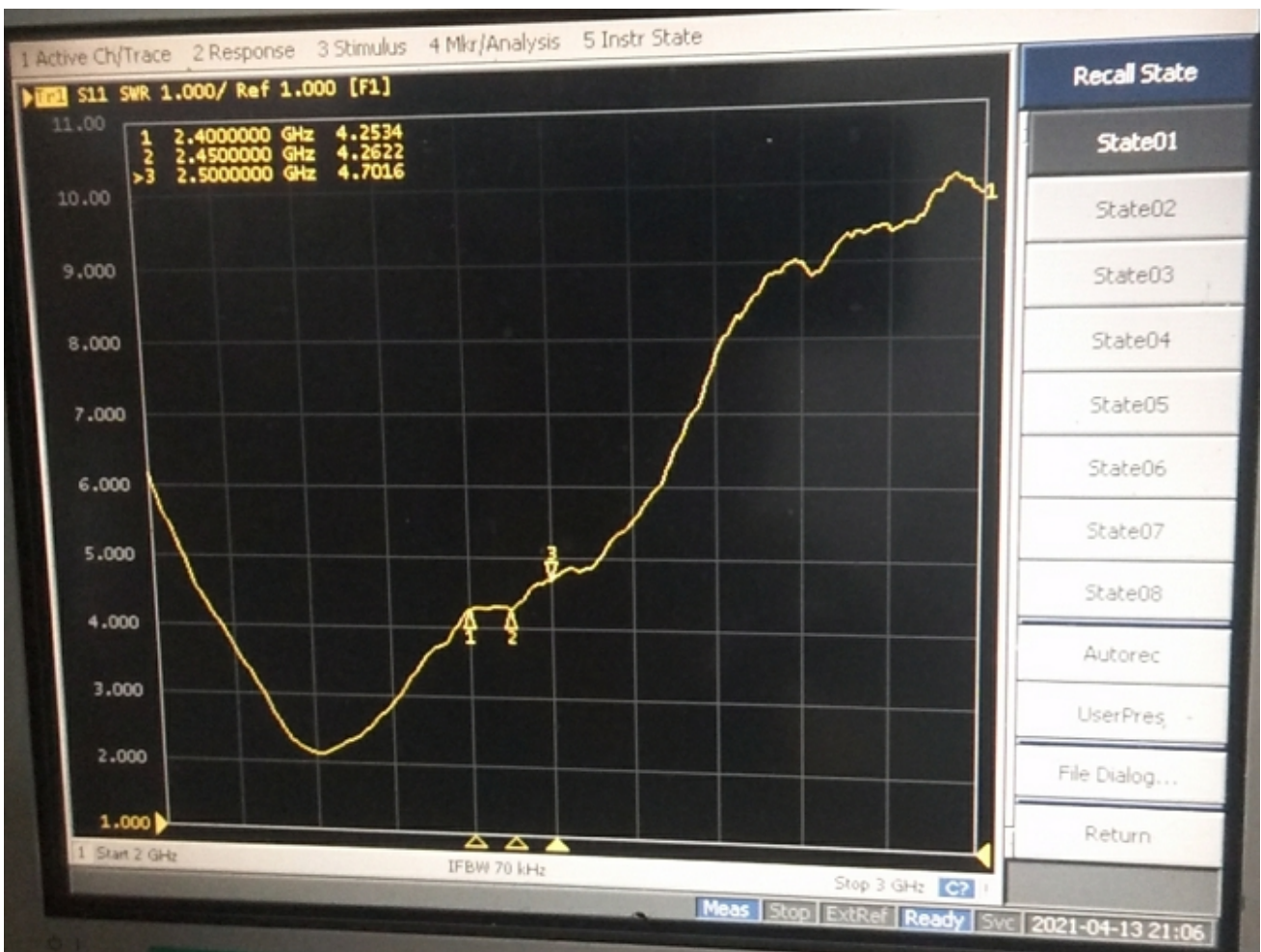
3. 产品结构图 Product structure drawing



4. 产品实物图 Product picture

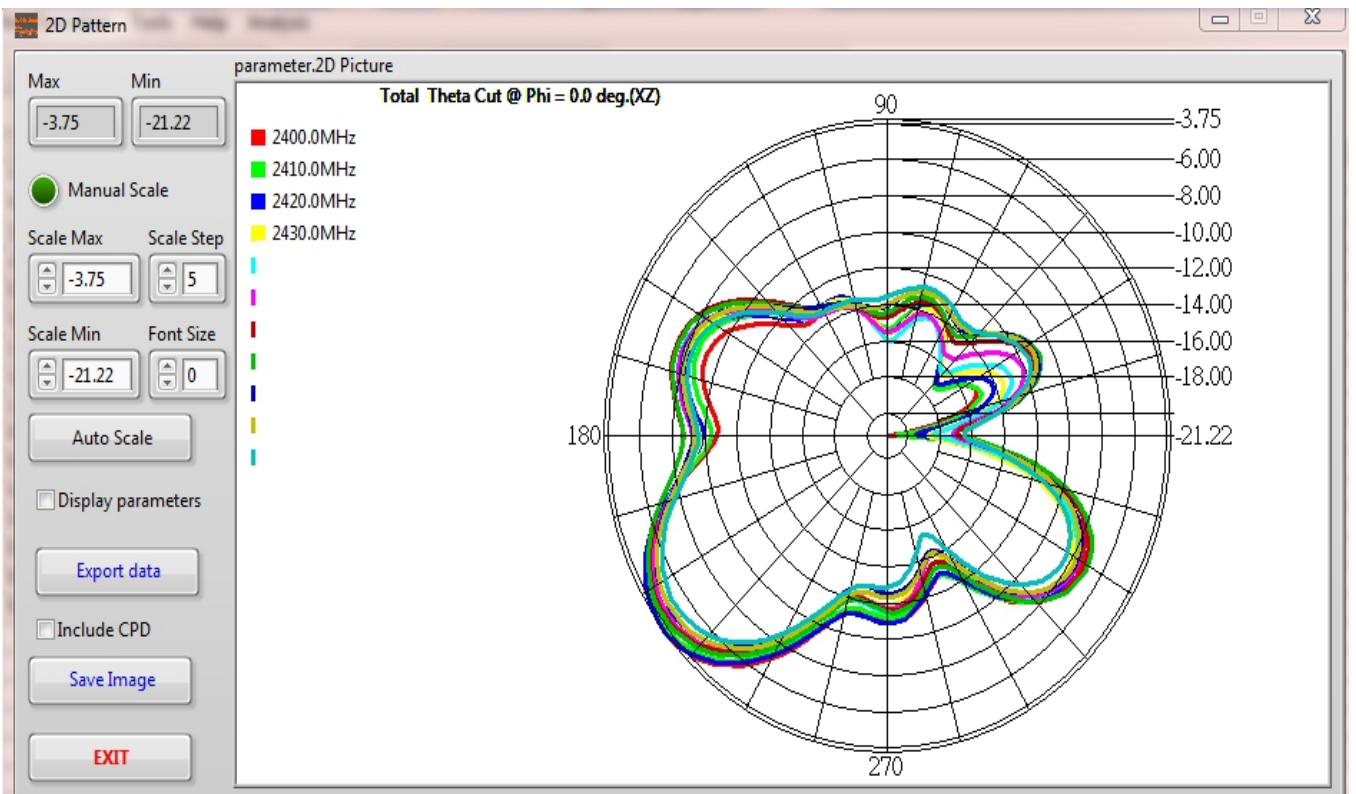


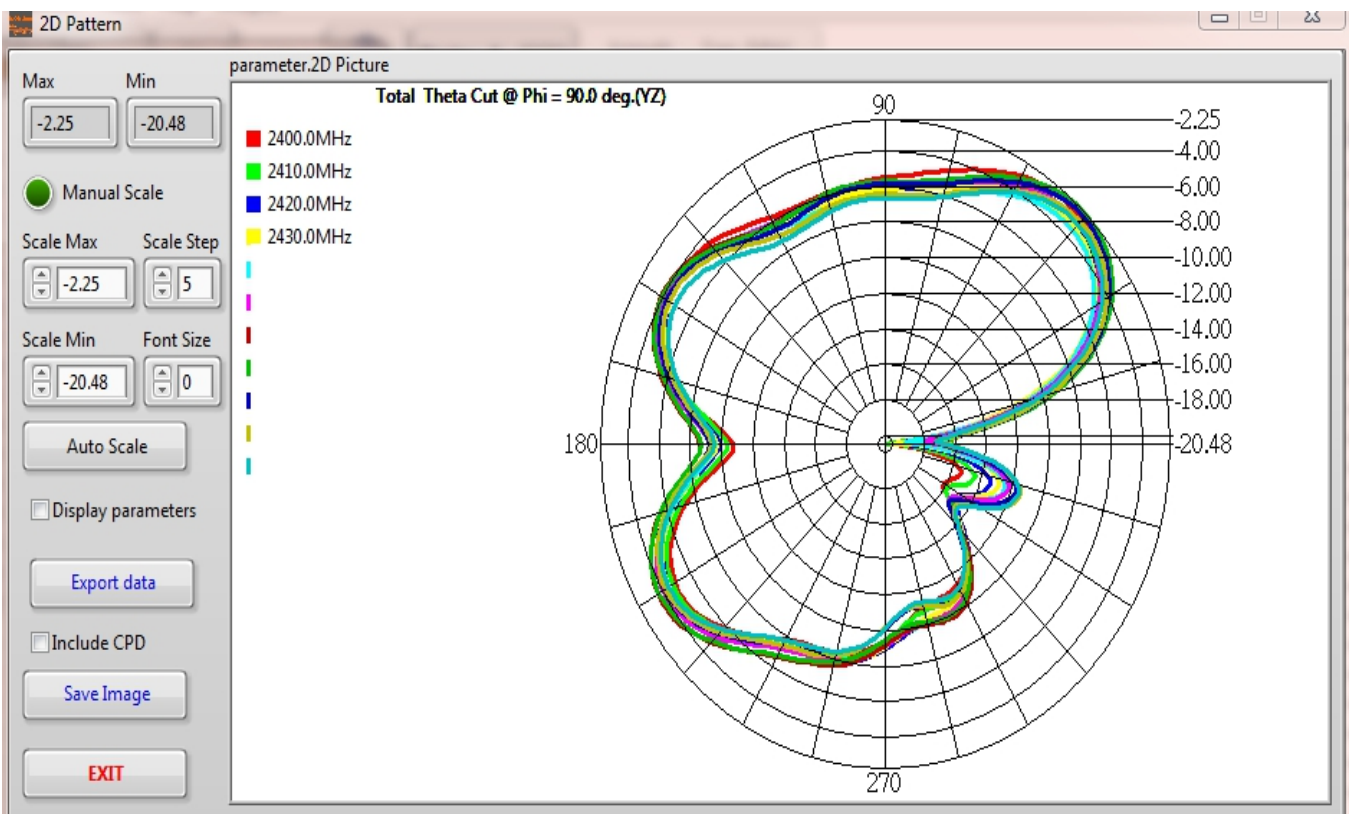
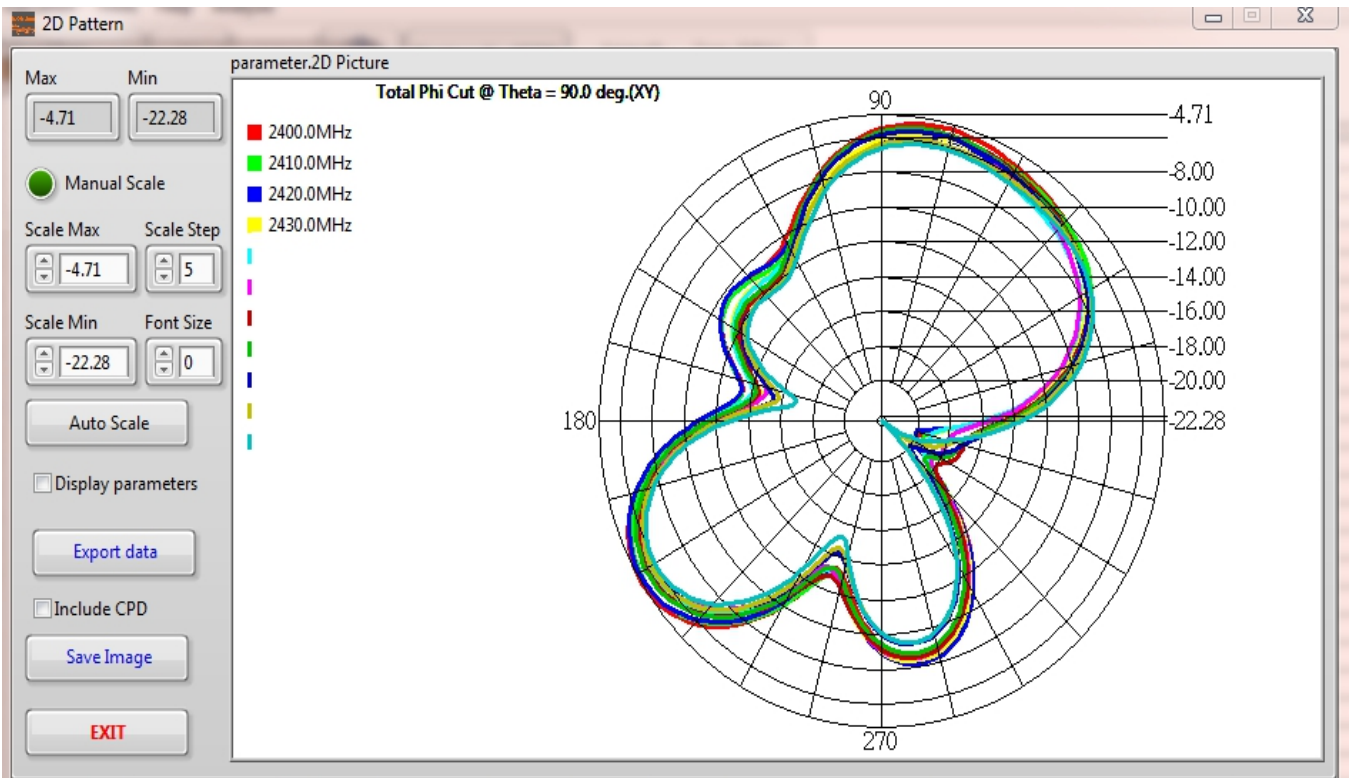
5. 天线性能: (驻波图、增益、效率、方向图)  
Antenna performance: (standing wave, gain, efficiency, direction diagram)

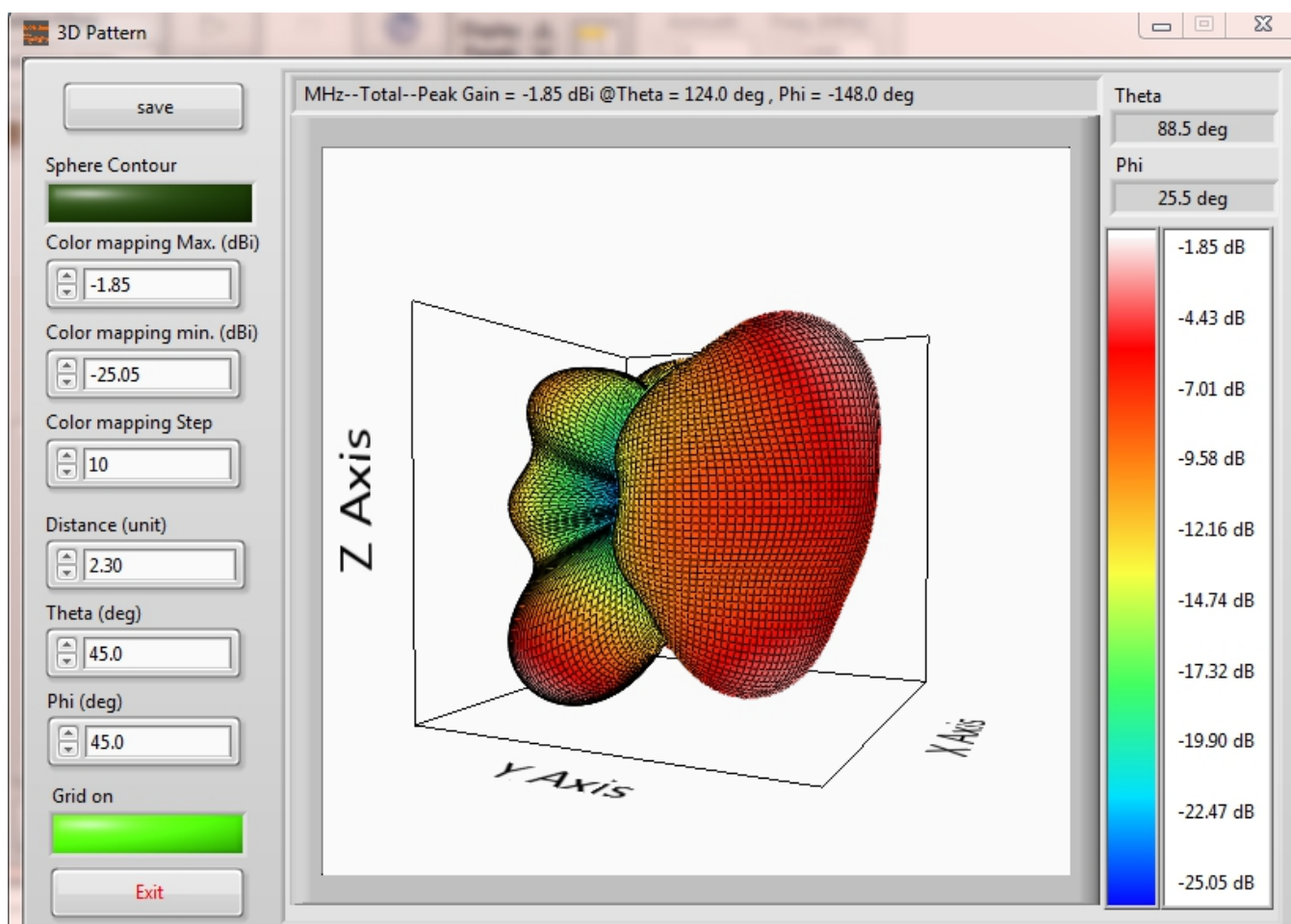


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Frequency(MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Peak Gain(dBi)	-1.85	-1.60	-1.49	-1.47	-1.60	-1.41	-1.11	-1.34	-1.75	-1.81	-2.11
Directivity(dBi)	5.55	5.98	6.05	6.34	6.27	6.30	6.20	5.92	5.89	5.92	5.91
Average Gain(dBi)	-7.40	-7.58	-7.55	-7.81	-7.87	-7.71	-7.32	-7.27	-7.64	-7.73	-8.02
Efficiency(%)	18.18	17.45	17.58	16.56	16.33	16.93	18.55	18.76	17.20	16.86	15.77
Upper HEM , EIRP(dB)	-10.97	-11.26	-11.26	-11.55	-11.60	-11.37	-10.90	-10.75	-11.08	-11.18	-11.43
Lower HEM , EIRP(dB)	-9.92	-10.01	-9.95	-10.20	-10.26	-10.16	-9.82	-9.86	-10.27	-10.34	-10.67
Upper HEM , EIRP(%)	8.00	7.48	7.48	7.00	6.92	7.30	8.12	8.42	7.80	7.62	7.20
Lower HEM , EIRP(%)	10.19	9.97	10.10	9.56	9.42	9.64	10.43	10.33	9.40	9.24	8.57
Peak Gain @ Theta(degree)	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00	-148.00
Peak Gain @ Phi(degree)	124.00	126.00	126.00	126.00	124.00	124.00	124.00	124.00	124.00	124.00	124.00
Null @ Phi(degree)	-108.00	-108.00	-108.00	-108.00	-108.00	-108.00	-108.00	-108.00	-108.00	-108.00	-110.00
Null @ Theta(degree)	140.00	140.00	140.00	140.00	142.00	142.00	142.00	142.00	142.00	140.00	138.00
Roundness @90degree	15.22	14.66	15.21	13.66	13.53	12.99	12.69	13.58	14.57	15.62	16.30
Roundness @60degree	15.72	14.76	14.97	14.72	14.39	15.23	14.73	15.33	15.17	14.84	15.18
Roundness @30degree	12.12	11.57	10.69	10.27	9.92	10.29	10.62	10.77	10.75	10.20	9.81







## 6.包装方式 manner of packing

包装方式 manner of packing	包装材料 packing material	包装规格 packing size	包装数量 package quantity	备注 remark
包装 pack	PE 袋 PE bag	85*120mm	1000pcs	焊接处包气泡膜 The welding place is covered with bubble film