

一、电气性能 Electrical factor

1. 频率范围 Frenquency range	2400-2500 MHz
2. 输入阻抗 Impedance	50 Ω
3. 驻波比 VSWR	≤ 2.0
4. 增益 Gain	0.85dBi
5. 极化方式 Polarization	vertical
6. 辐射方向 Radiation	isotropically
7. 功率容量 Maximun power Input-watts	50W

二、机械特性 Mechanical performance

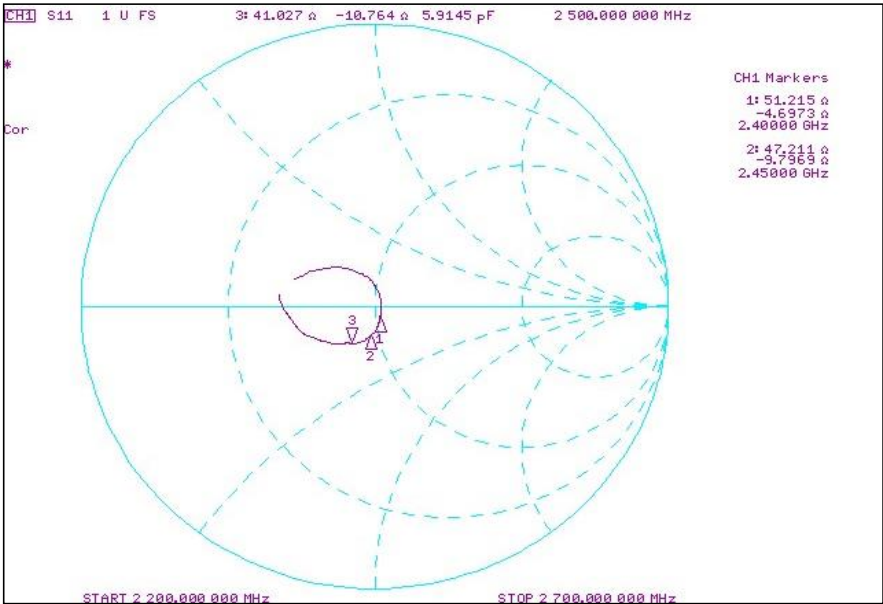
1. 尺寸 Dimension	580 $\pm$ 10mm
2. 接头 Connector	
3. 外罩材料 Radome material	TPE.ABS
4. 外罩颜色 Radome color	Green
5. 工作温度 Working temperature	-40 $^{\circ}$ C $\sim$ 85 $^{\circ}$ C
6. 存放温度 Storage temperature	-40 $^{\circ}$ C $\sim$ 90 $^{\circ}$ C

三、图纸 Drawings

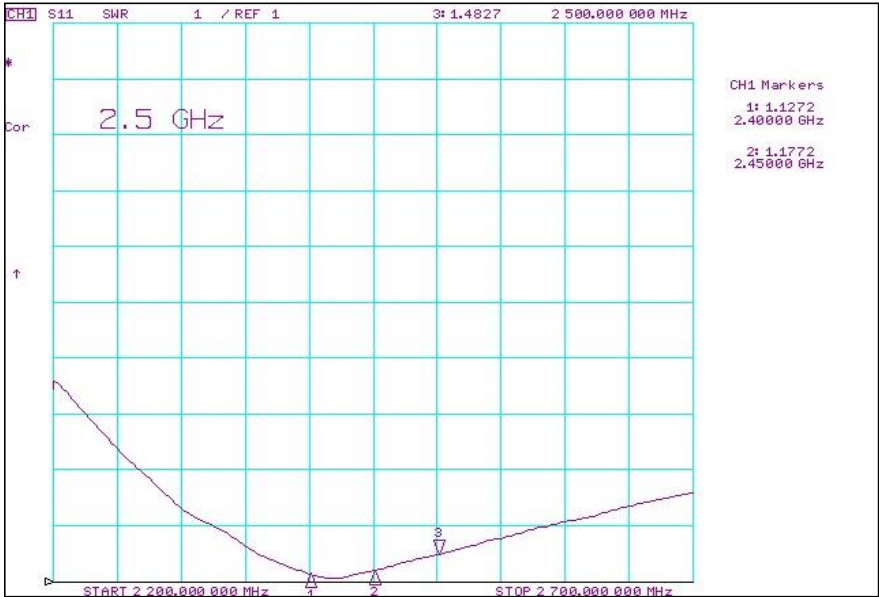


四、性能测试

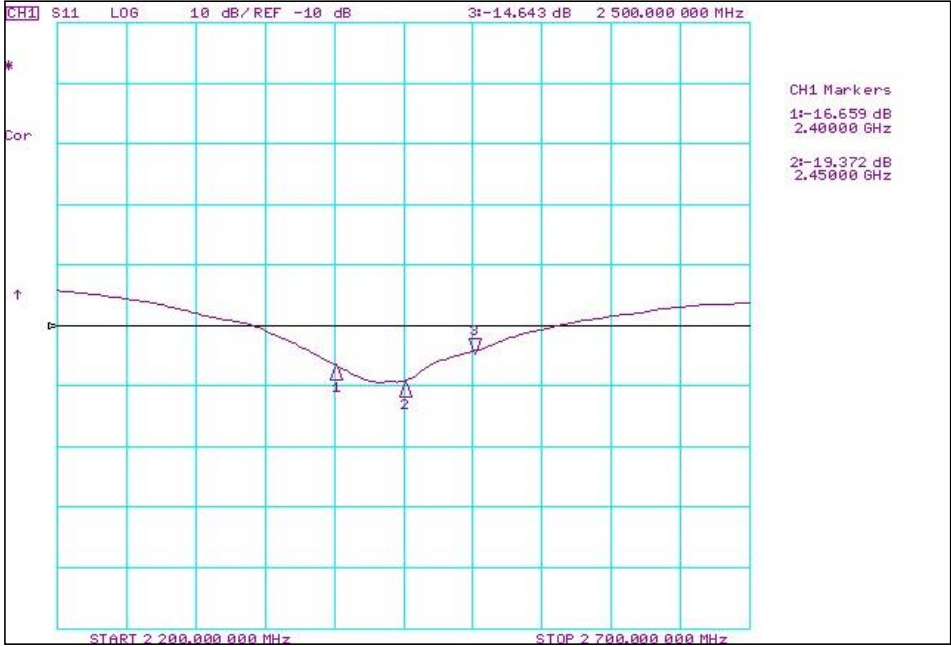
1. 阻抗图 SMITH



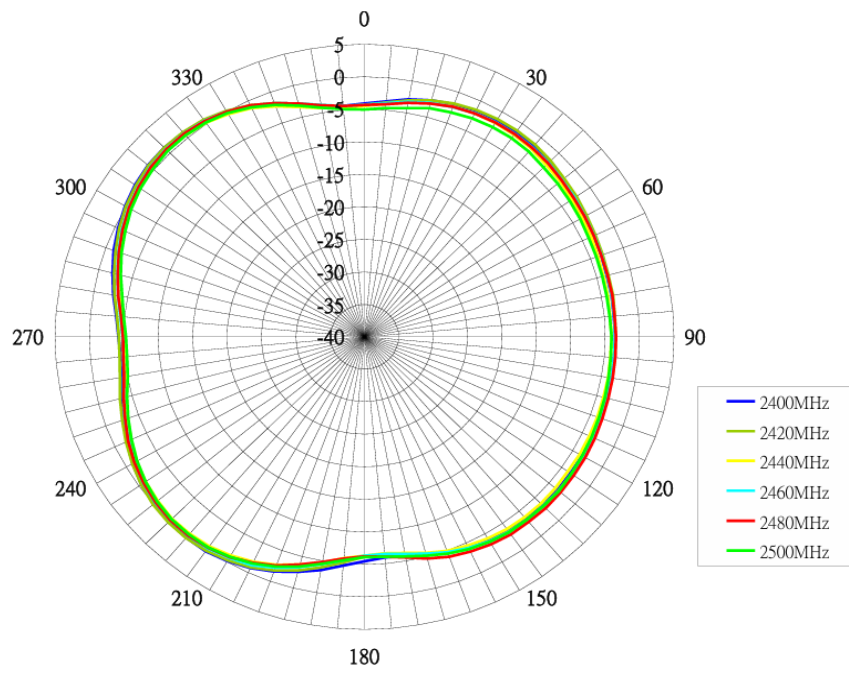
2. 驻波图 VSWR



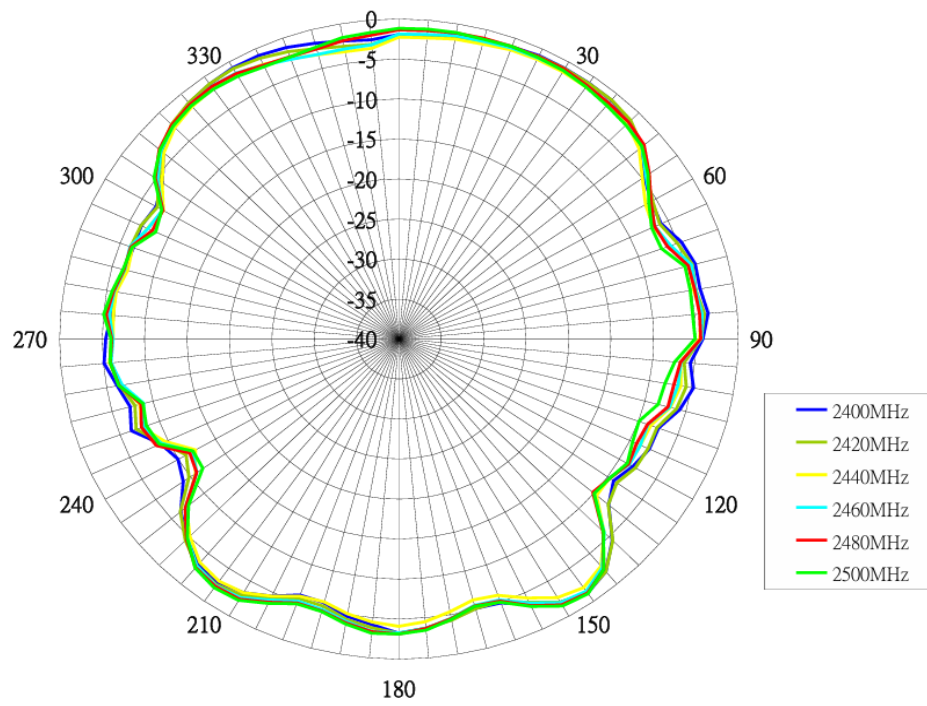
3. 回损图 RETURN LOSS



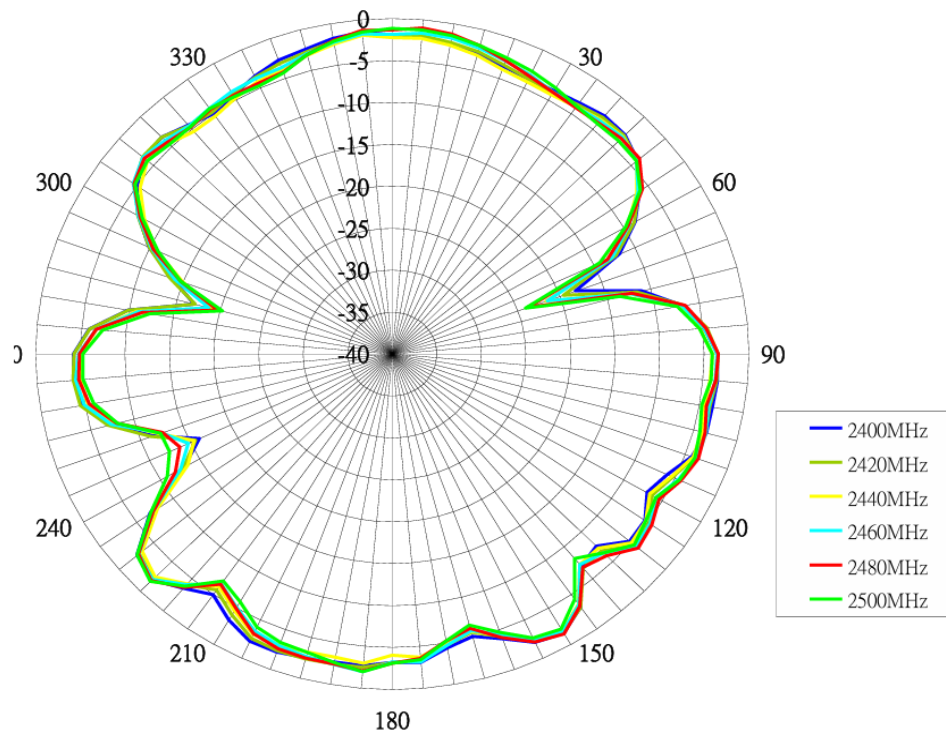
4. 天线辐射图Antenna pattern-XY plane



XZ plane



YZ plane



First Test results:
2.4GHz
Gain and Efficiency

EUT NO	2#	
Frequency	E Total. dB(dBi)	Efficiency()
2400MHz	0.61	49%
2410MHz	0.54	50%
2420MHz	0.59	52%
2430MHz	0.62	52%
2440MHz	0.60	51%
2450MHz	0.66	52%
2460MHz	0.85	53%
2470MHz	0.99	53%
2480MHz	1.03	53%
2490MHz	0.88	51%
2500MHz	0.78	51%