

1 ANT test equipment

1.1 Microwave chamber diagram

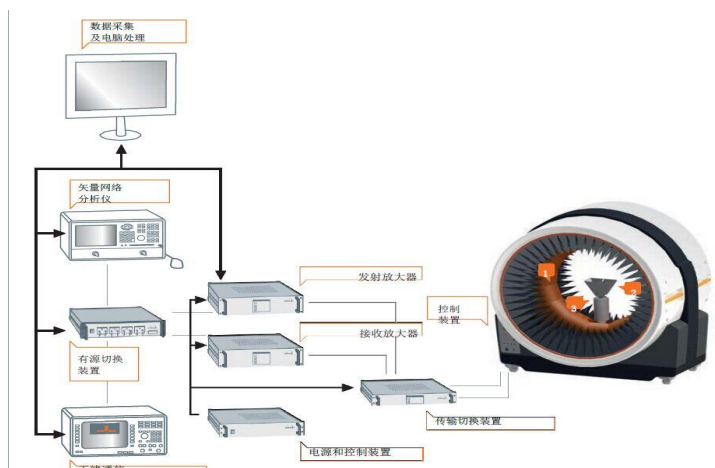


Figure 1 Wiring diagram of assembly test for microwave chamber system

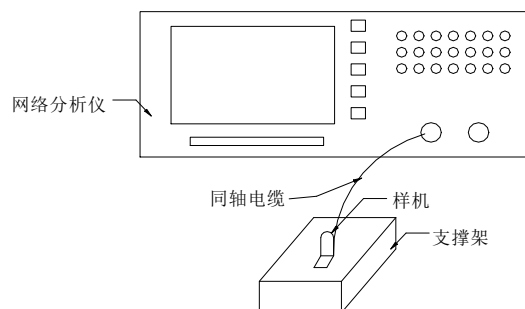


Figure 2 ANT static test connection method

2 Specifications

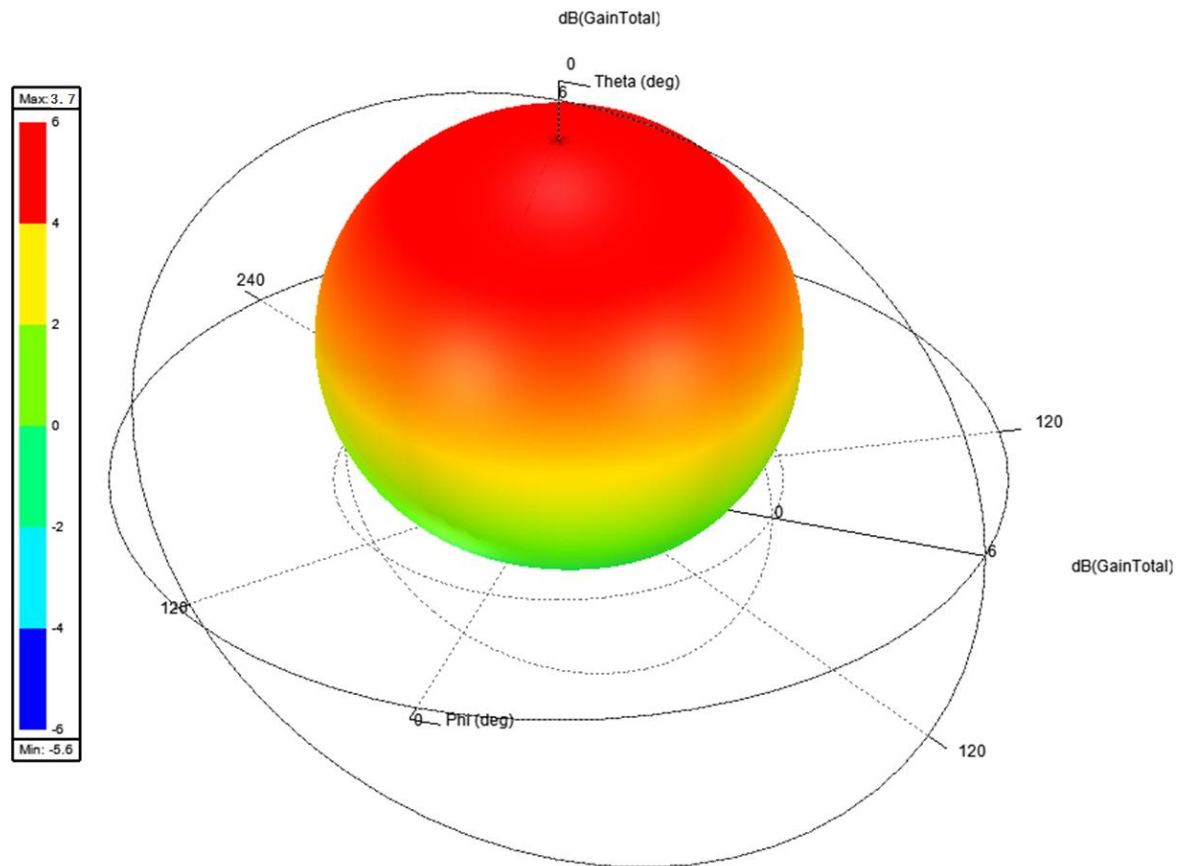
Antenna (天线)		
1	Dimensions(尺寸)	70mm*70mm*13.6mm
2	Frequency Range(频率范围)	902 - 928 MHz
3	V.S.W.R (驻波比)	1.3 MAX
4	Bandwidth@3dB(3dB 带宽)	26 MHz MIN
5	Gain(增益)	3.75dBi max
6	Impedance (阻抗)	50 Ω
7	Polarization (极化方式)	RHCP
8	Working Temp (工作温度)	-40℃ ~ +85℃
9	Storage Temp (贮存温度)	-40℃ ~ +85℃

3 Antenna test result

3.1 Gain&Efficiency

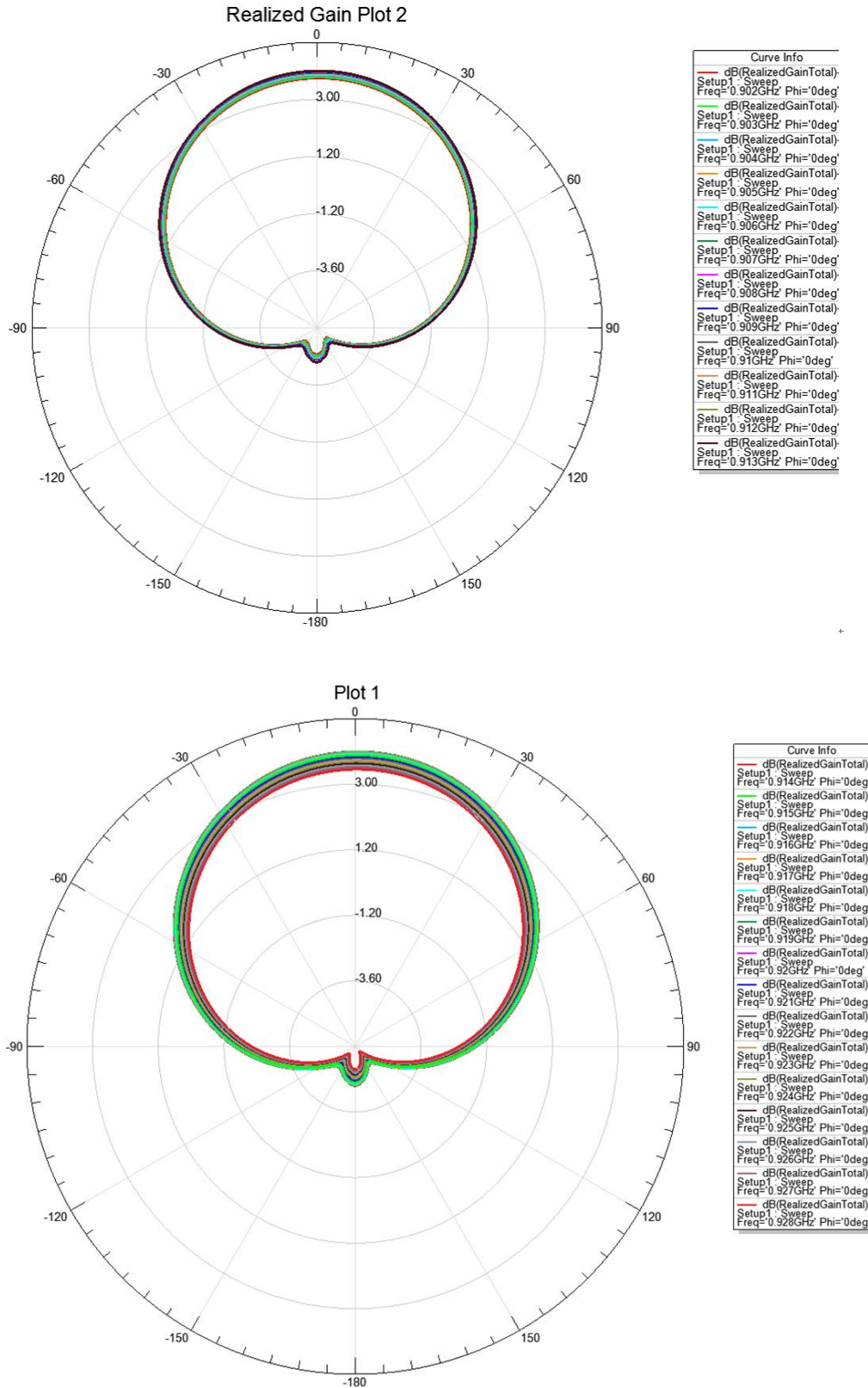
Gain&Efficiency FCC 增益和效率					
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率
917.1	3.25	82.4%	921.1	3.75	86.7%
917.3	3.57	82.7%	921.3	3.75	86.7%
917.5	3.58	83.1%	921.5	3.75	86.9%
917.7	3.60	83.1%	921.7	3.75	86.9%
917.9	3.69	83.2%	921.9	3.75	86.9%
918.1	3.64	83.8%	922.1	3.74	86.6%
918.3	3.65	84.1%	922.3	3.74	86.6%
918.5	3.67	84.2%	922.5	3.73	86.4%
918.7	3.69	84.5%	922.7	3.73	86.4%
918.9	3.70	84.9%	922.9	3.72	86.2%
919.1	3.71	85.5%	923.1	3.72	86.1%
919.3	3.71	85.2%	923.3	3.71	86.0%
919.5	3.71	85.3%	923.5	3.71	85.5%
919.7	3.72	85.9%	923.7	3.70	85.8%
919.9	3.72	86.0%	923.9	3.70	85.7%
920.1	3.73	86.1%			
920.3	3.73	86.2%			
920.5	3.73	86.3%			
920.7	3.74	86.4%			
920.9	3.74	86.5%			

3.2 Radiation



3.2.1

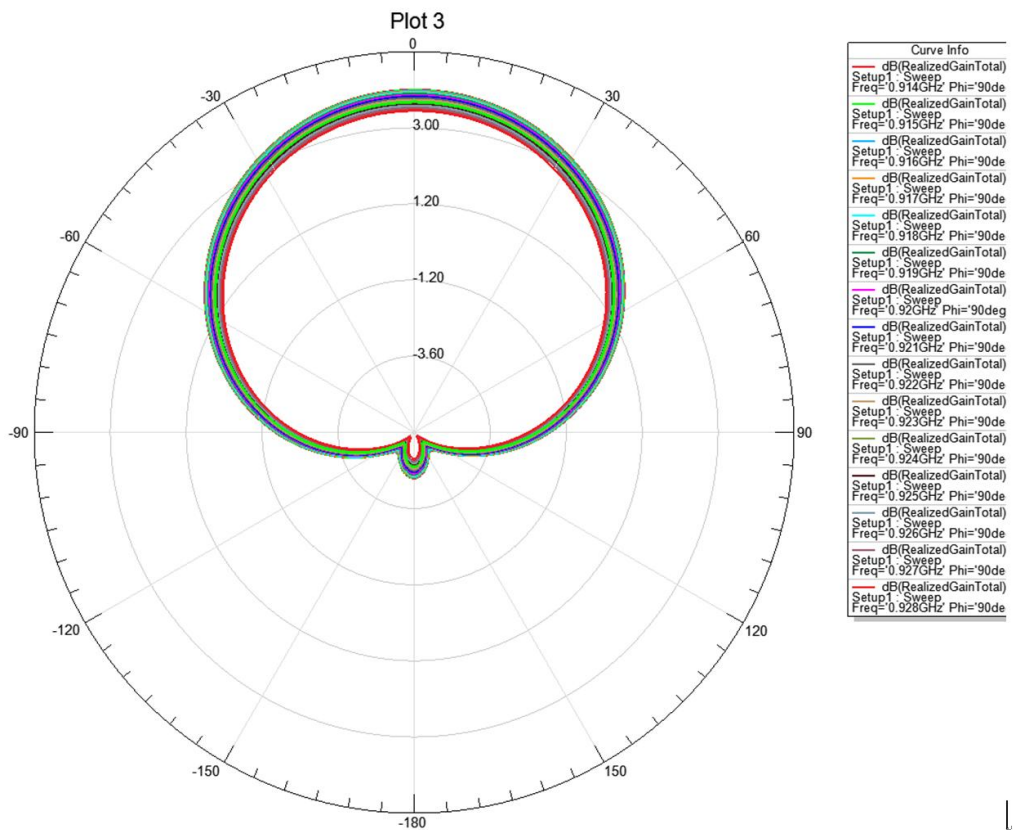
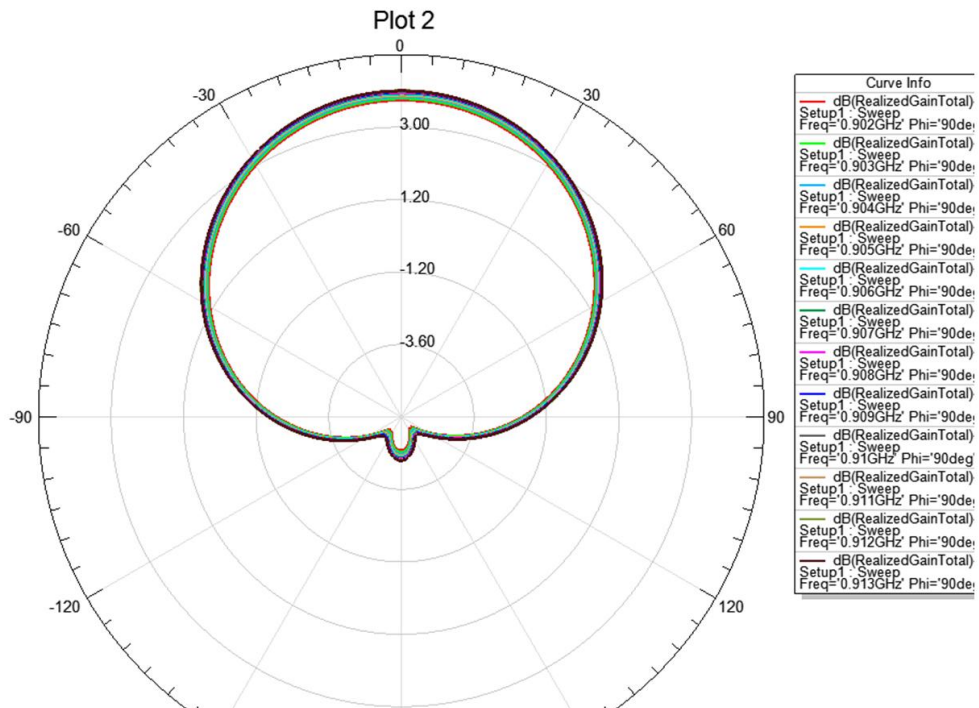
902 MHz - 928 MHz $\Phi=0^\circ$



3.2.2

902 MHz - 928 MHz

Phi=90°



3.2.3

902 MHz - 928 MHz

Theta=90°

