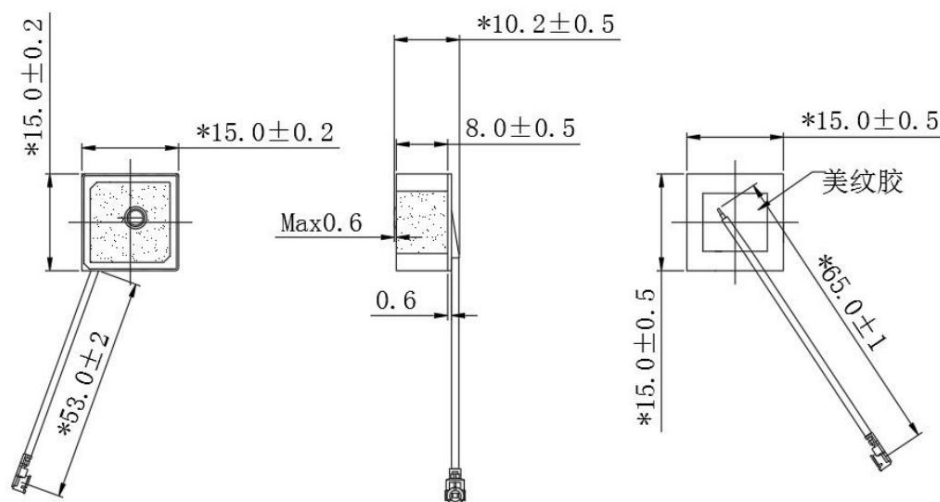


UHF RFID Antenna Specification

Part Number	CUAC-6LA
ANT TYP	Circular Polarization
ANT material	Fr4 and ceramic
Operating frequency band	UHF FCC
Operating frequency (MHz)	902-928Mhz



1 ANT test equipment

1.1 Microwave chamber diagram

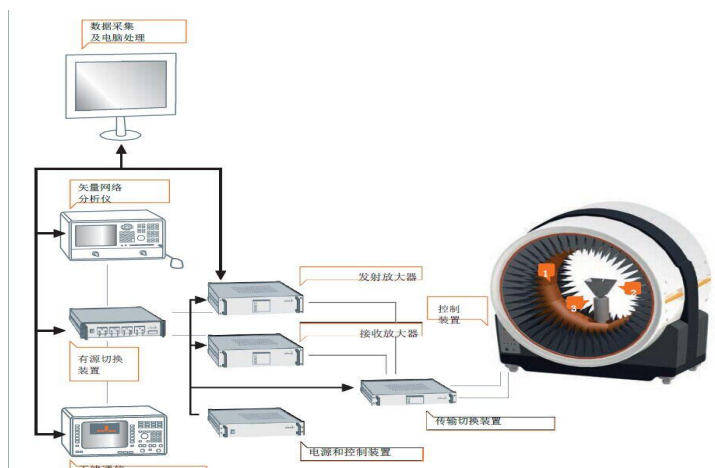


Figure 1 Wiring diagram of assembly test for microwave chamber system

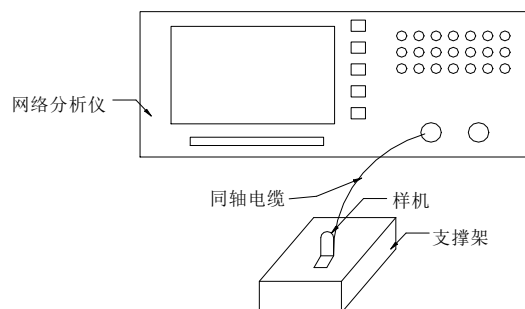


Figure 2 ANT static test connection method

2 Specifications

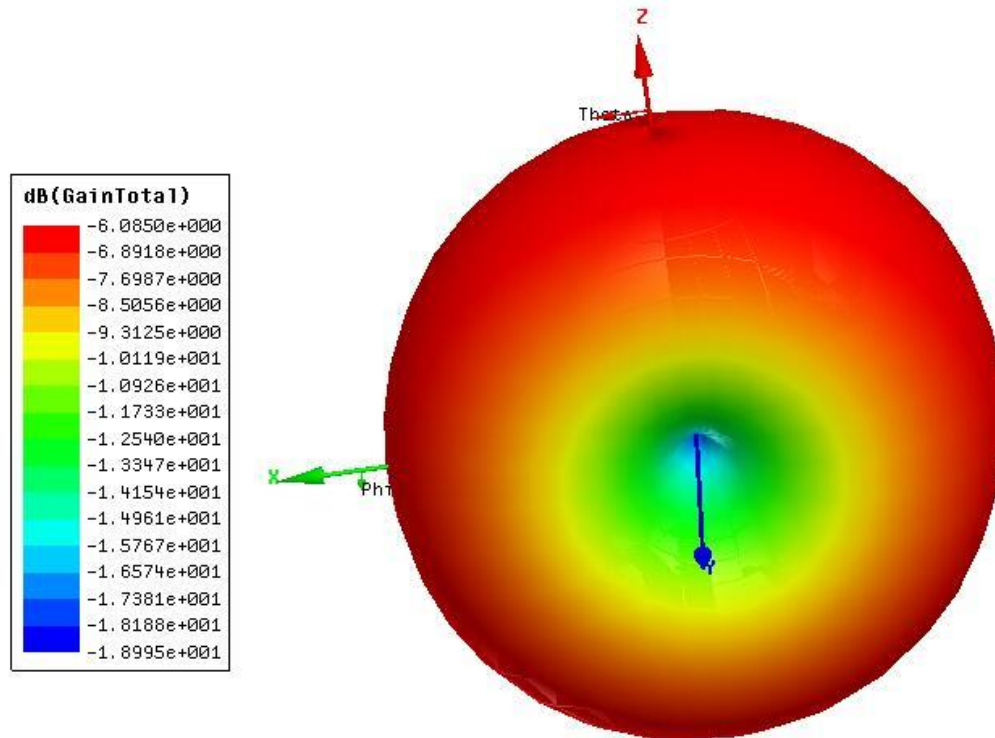
Antenna（天线）		
1	Dimensions(尺寸)	15mm*15mm*10.2mm
2	Frequency Range(频率范围)	902-928 Mhz
3	V.S.W.R（驻波比）	2.0 MAX
4	Gain(增益)	-6.08 dBi
5	Impedance（阻抗）	50 Ω
6	Polarization（极化方式）	Circular Polarization
7	Working Temp（工作温度）	-40℃～+85℃
8	Storage Temp（贮存温度）	-40℃～+85℃

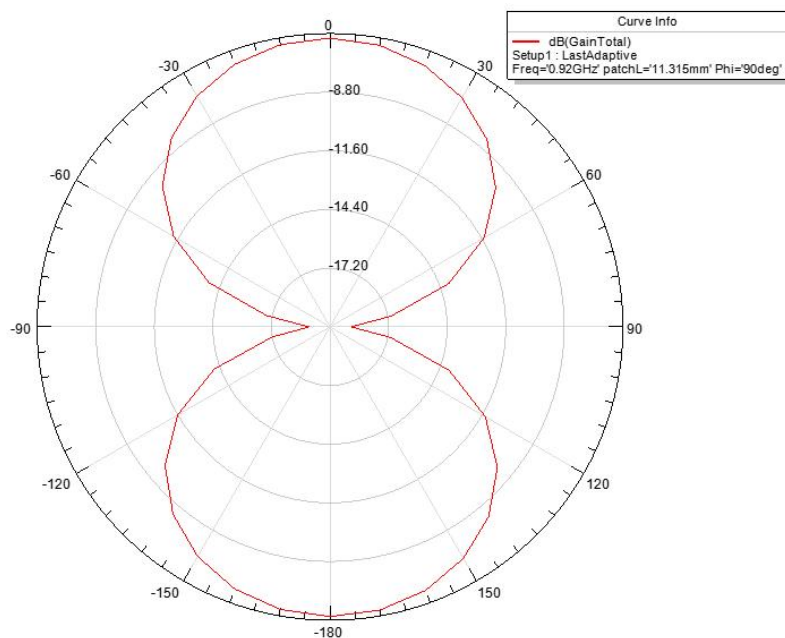
3 Antenna test result

3.1 Gain&Efficiency

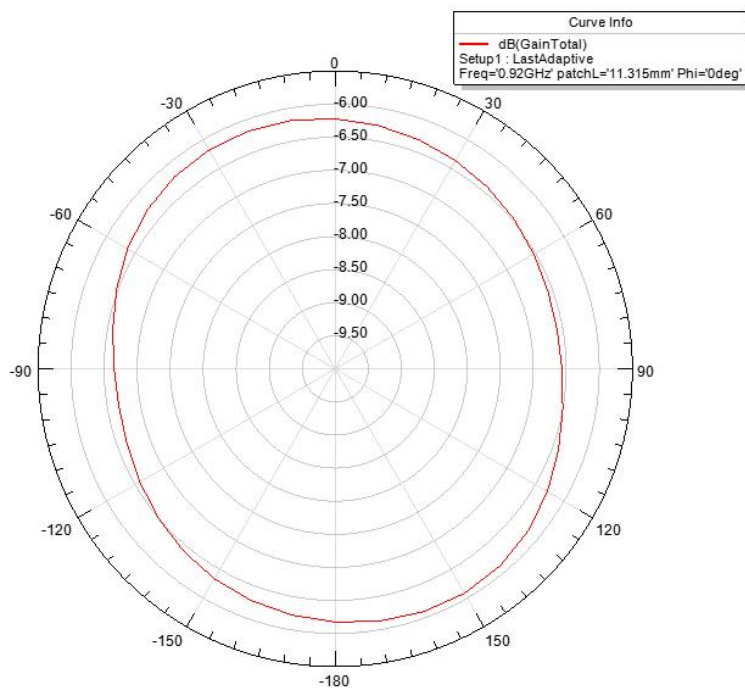
Gain&Efficiency FCC					
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率
902.75	-8.16	6.6%	915.25	-6.23	22.4%
903.25	-7.88	7.5%	915.75	-6.22	22.7%
903.75	-7.74	8.7%	916.25	-6.21	23.1%
904.25	-7.69	9.5%	916.75	-6.20	23.5%
904.75	-7.53	10.4%	917.75	-6.19	23.8%
905.25	-7.45	11.2%	918.25	-6.19	24.3%
905.75	-7.35	12.6%	918.75	-6.18	24.9%
906.25	-7.27	13.3%	919.25	-6.17	25.4%
906.75	-7.14	13.8%	919.75	-6.17	25.6%
907.25	-6.97	14.4%	920.25	-6.16	26.3%
907.75	-6.91	14.9%	920.75	-6.08	26.4%
908.25	-6.88	15.3%	921.25	-6.17	26.8%
908.75	-6.82	15.8%	921.75	-6.18	26.8%
909.25	-6.79	16.2%	922.25	-6.18	26.7%
909.75	-6.74	16.7%	922.75	-6.18	26.5%
910.25	-6.67	17.1%	923.25	-6.18	26.1%
910.75	-6.63	17.7%	923.75	-6.19	25.7%
911.25	-6.59	18.2%	924.25	-6.19	25.6%
911.75	-6.52	18.9%	924.75	-6.19	24.3%
912.25	-6.45	19.4%	925.25	-6.20	23.9%
912.75	-6.40	19.8%	925.75	-6.20	23.4%
913.25	-6.38	20.2%	926.25	-6.20	22.7%
913.75	-6.32	20.7%	926.75	-6.21	22.1%
914.25	-6.28	21.1%	927.25	-6.21	21.5%
914.75	-6.25	21.8%			

3.2 Radiation



3.2.1

Fre=920Mhz 2D pattern

3.2.2

Fre=920Mhz 2D pattern