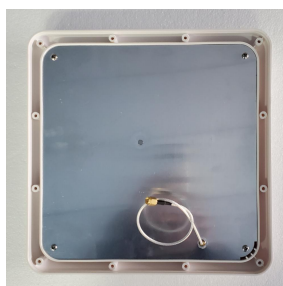


ANT Specification

Part Number	AX-RFID09C09-270-NA
Polarization	Circular Polarization
Operating Frequency	902.75 MHz - 927.25 MHz
Gain	9 dBi
E side HPBW	63°
H side HPBW	63°
VSWR	≤1.3
Input Impedance	50Ω
Size	270*270*33(mm)
Enclosure Rating	IP67
Operational Temperature	- 40°C ~ + 85°C
Storage Temperature	- 40°C ~ + 85°C



1 ANT test equipment

1.1 Microwave chamber diagram

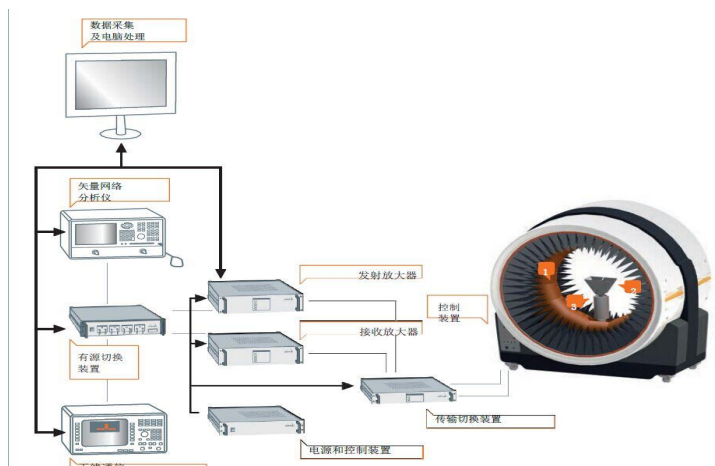


Figure 1 Wiring diagram of assembly test for microwave chamber system

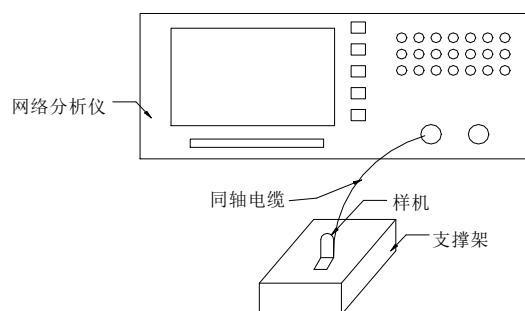


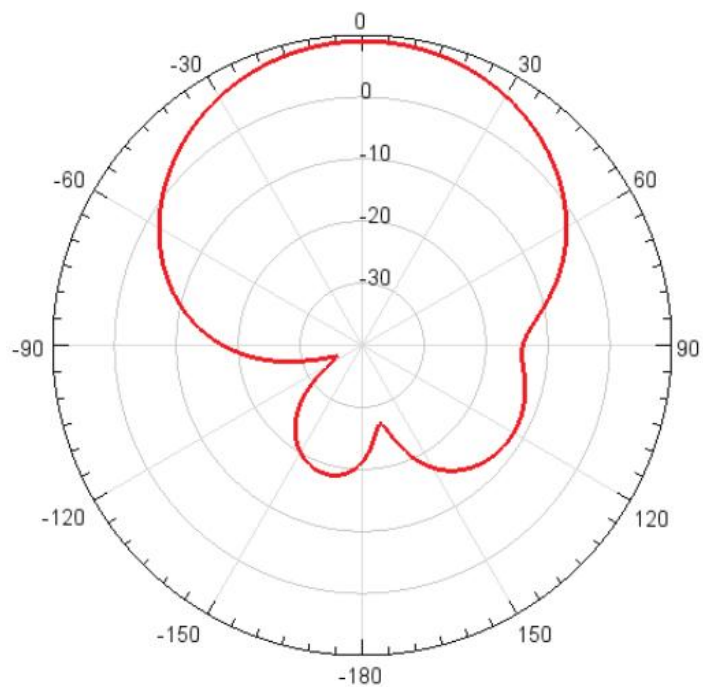
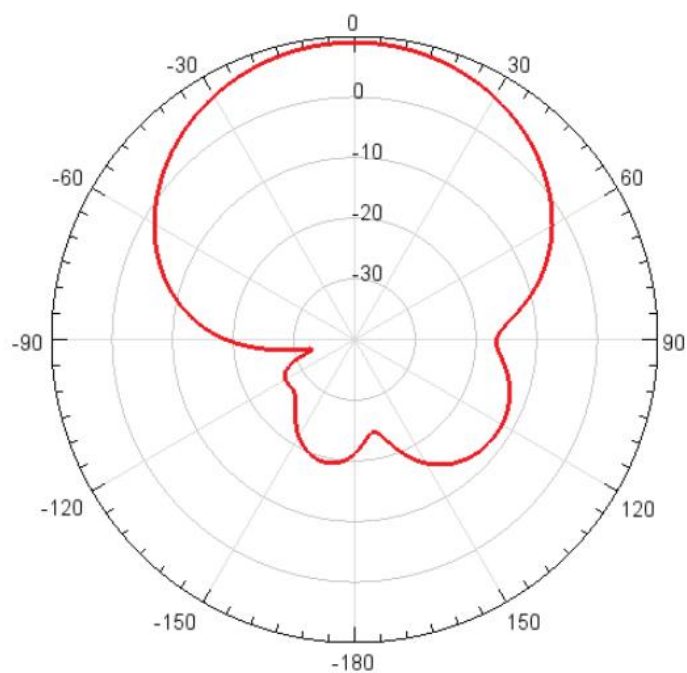
Figure 2 ANT static test connection method

2 UHF test result

2.1 Gain

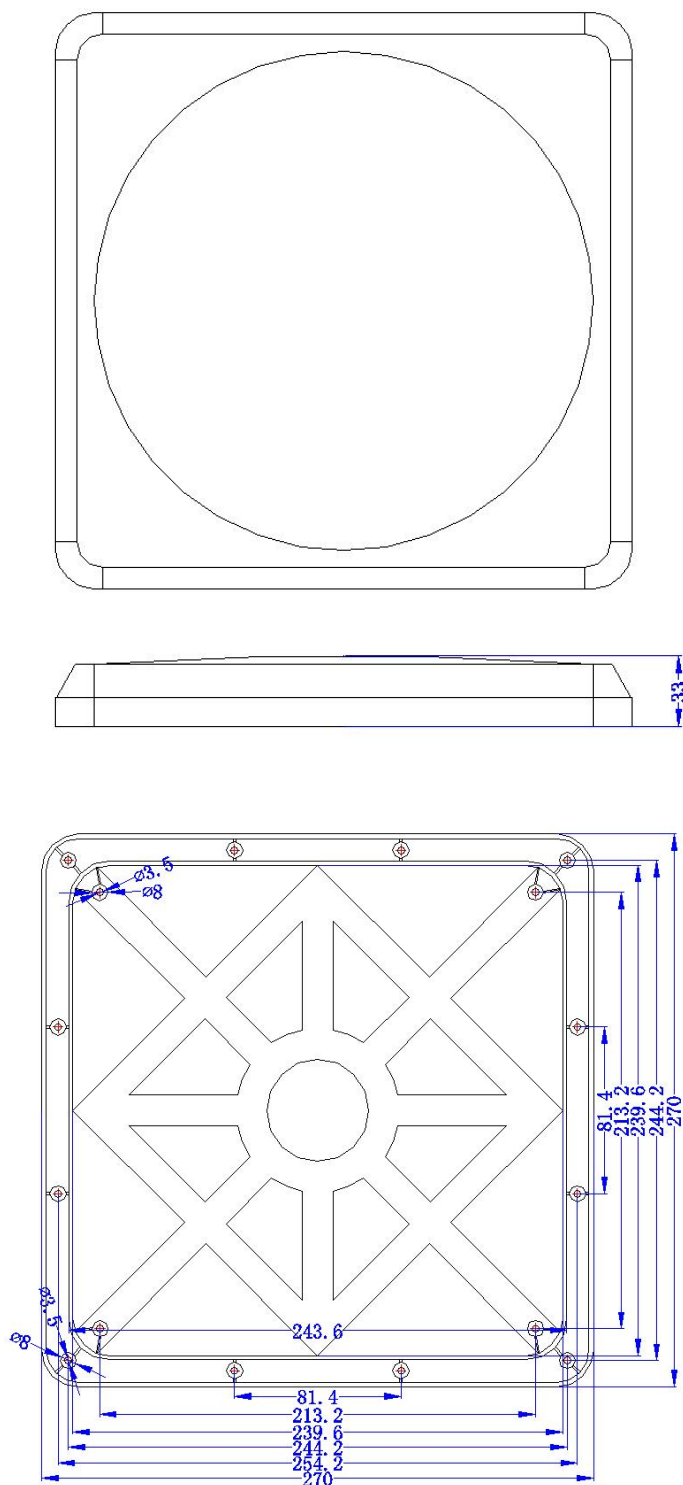
Frequency 频率(MHz)	Gain 增益(dBi)	Frequency 频率(MHz)	Gain 增益(dBi)
902.75	8.5	915.25	9.0
903.25	8.5	915.75	9.0
903.75	8.5	916.25	9.0
904.25	8.6	916.75	8.9
904.75	8.6	917.75	8.9
905.25	8.6	918.25	8.9
905.75	8.6	918.75	8.9
906.25	8.6	919.25	8.9
906.75	8.7	919.75	8.8
907.25	8.7	920.25	8.8
907.75	8.7	920.75	8.8
908.25	8.7	921.25	8.8
908.75	8.7	921.75	8.8
909.25	8.8	922.25	8.7
909.75	8.8	922.75	8.7
910.25	8.8	923.25	8.7
910.75	8.8	923.75	8.7
911.25	8.8	924.25	8.7
911.75	8.9	924.75	8.6
912.25	8.9	925.25	8.6
912.75	8.9	925.75	8.6
913.25	8.9	926.25	8.6
913.75	8.9	926.75	8.6
914.25	9.0	927.25	8.5
914.75	9.0		

2.2 Radiation



3 Mechanical drawings

3.1 Antenna top



3.2 Antenna bottom

