

Specifications

Part Number	G90209C-NF-P
Polarization	Circular Polarization
Frequency Range	902 MHz - 928 MHz
Gain	9 dBi
E side HPBW	63°
H side HPBW	63°
VSWR	≤1.3
Maximum Input Power	10 Watts
Axial Ratio	< 3 dB
Front to Back Ratio	20dB
Input Impedance	50Ω
Mechanical Size	259 mm × 259 mm × 33.5 mm
Weight	1.19 kg
Connector Type	N Female
Radome Material and Color	White ABS
Operational Temperature	- 30 °C ~ + 70 °C
Storage Temperature	- 40 °C ~ + 85 °C



1 ANT test equipment

Microwave chamber diagram

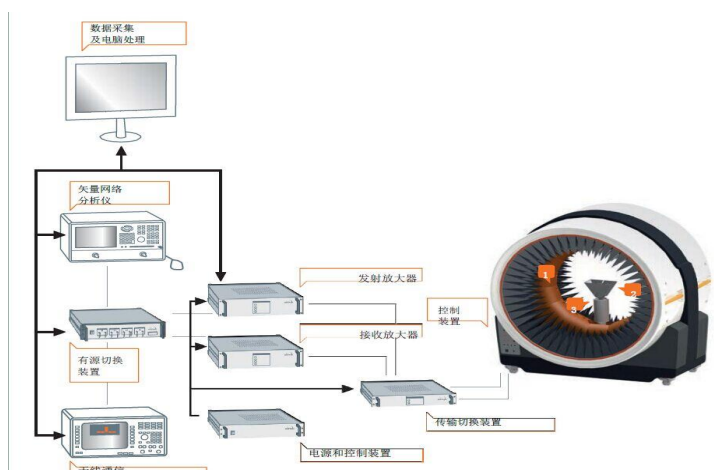


Figure 1 Wiring diagram of assembly test for microwave chamber system

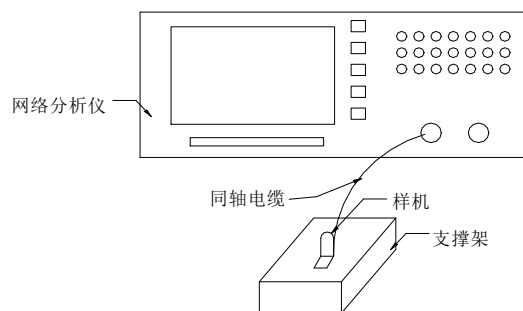


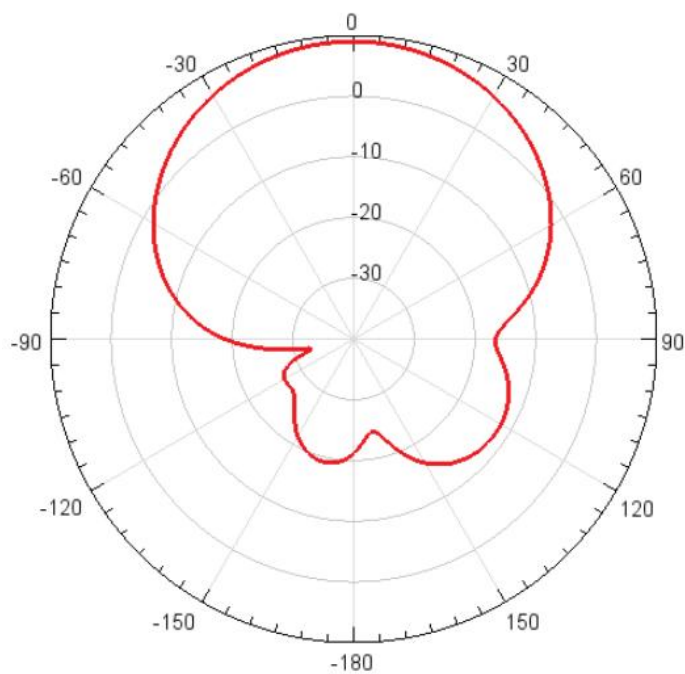
Figure 2 ANT static test connection method

2 UHF Test Result

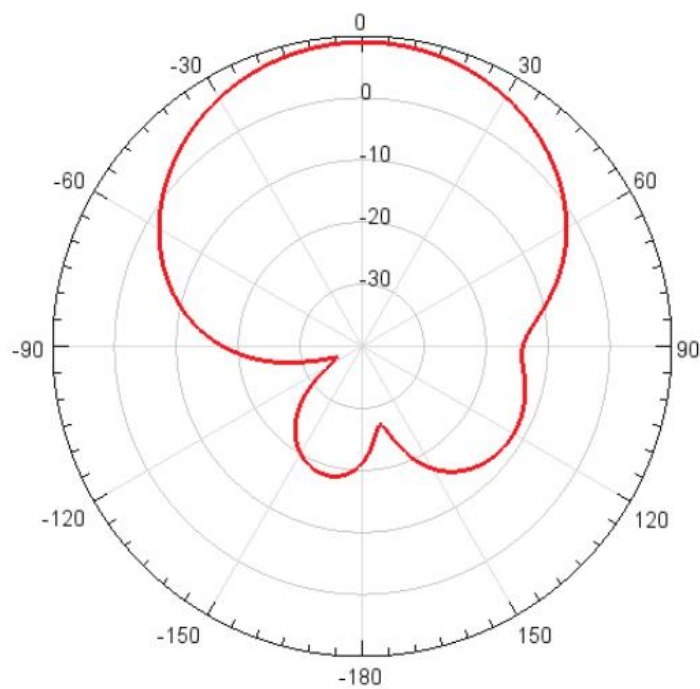
2.1 Gain

Frequency(MHz)	Gain(dBi)	Frequency(MHz)	Gain(dBi)
902.75	8.88	915.25	9.00
903.25	8.89	915.75	9.00
903.75	8.89	916.25	9.00
904.25	8.90	916.75	8.99
904.75	8.90	917.75	8.99
905.25	8.91	918.25	8.98
905.75	8.91	918.75	8.98
906.25	8.92	919.25	8.97
906.75	8.92	919.75	8.97
907.25	8.93	920.25	8.96
907.75	8.93	920.75	8.96
908.25	8.94	921.25	8.95
908.75	8.94	921.75	8.95
909.25	8.95	922.25	8.94
909.75	8.95	922.75	8.94
910.25	8.96	923.25	8.93
910.75	8.96	923.75	8.93
911.25	8.97	924.25	8.92
911.75	8.97	924.75	8.92
912.25	8.98	925.25	8.91
912.75	8.98	925.75	8.91
913.25	8.99	926.25	8.90
913.75	8.99	926.75	8.90
914.25	9.00	927.25	8.89
914.75	9.00		

2.2 Radiation



E Side



H Side