



ANTENNA TEST REPORT

TX4G-FPC-5017

VERSION: 3.3 DATE: 2025-08-01

TEL: 028-61542639 WEBSITE:

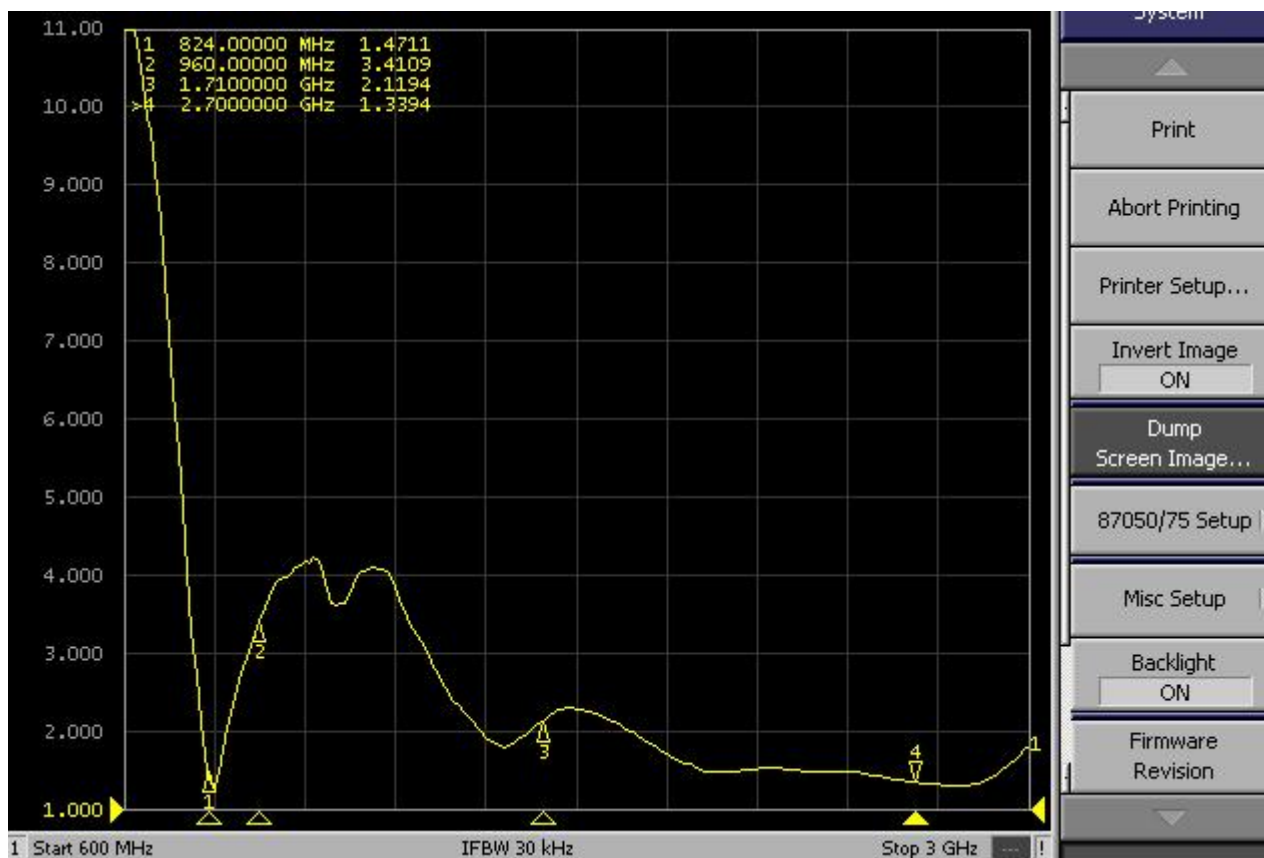
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CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNAS

I. Test Items

Name	NB/GSM Built-in Antenna
Equipment	Network Analyzer E5071B/ Microwave Anechoic Chamber
Frequency Band	824-960MHz;1710-2170MHz
Connector Type	IPEX-1
Max. Gain	1.77dBi
Report	Passive Test Report

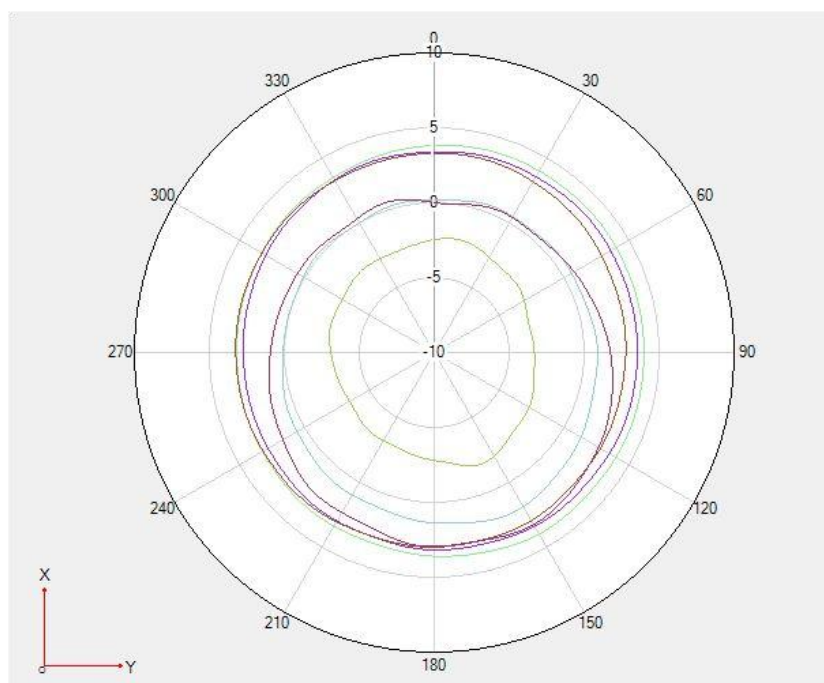
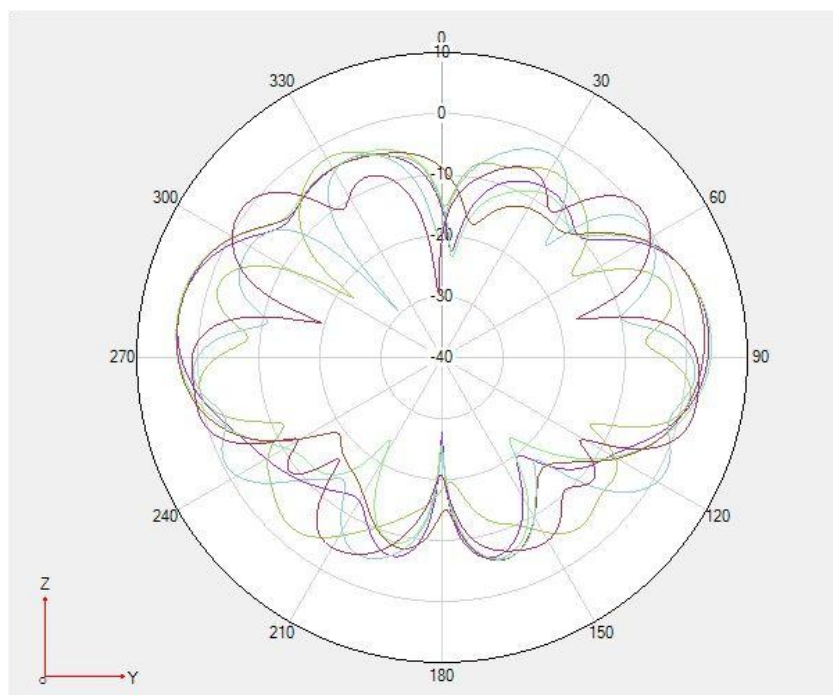
II. Test Data- VSWR



III. Test Data-Efficiency and Gain

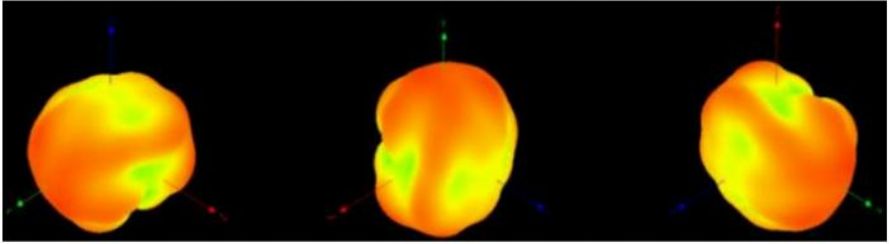
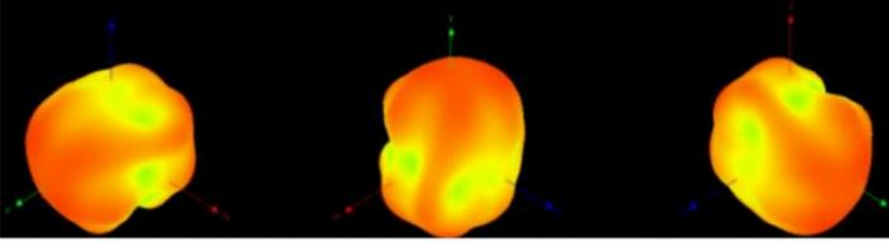
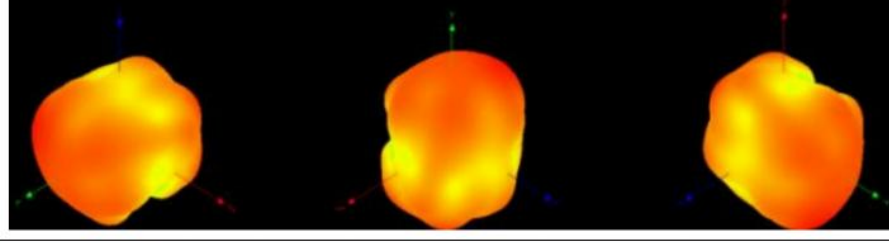
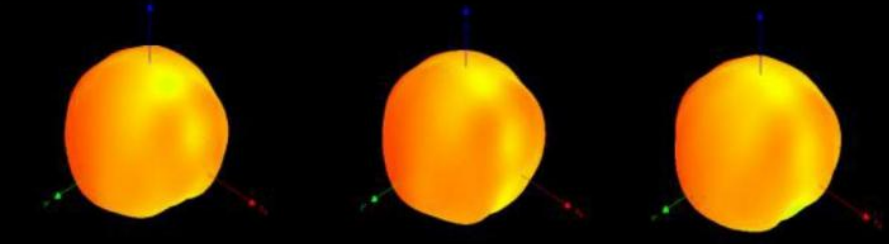
Frequency/Mhz	Efficiency/ %	MaxGain/dBi
820	55.59	1.00
840	55.46	0.94
860	50.58	1.07
880	48.31	0.78
900	46.24	0.50
920	40.36	0.01
940	36.14	-0.63
960	34.99	-0.63
AVG	45.96	0.38
1710	34.51	0.73
1730	34.91	0.82
1750	30.27	0.95
1770	29.11	1.01
1790	30.48	1.16
1810	34.99	1.27
1830	38.46	1.32
1850	40.64	1.48
1870	42.07	1.57
1890	44.87	1.61
1910	43.35	1.77
1930	41.40	0.86
1950	38.46	0.93
1970	32.66	0.99
1990	29.51	1.01
2010	27.99	1.08
2030	28.38	1.87
2050	26.61	0.93
2070	24.77	0.99
2090	25.47	1.01
2110	29.72	1.12
2130	36.31	1.03
2150	38.37	1.15
2170	36.81	1.21
AVG	34.17	1.16

IV. Test Data- Radiation Pattern-2D

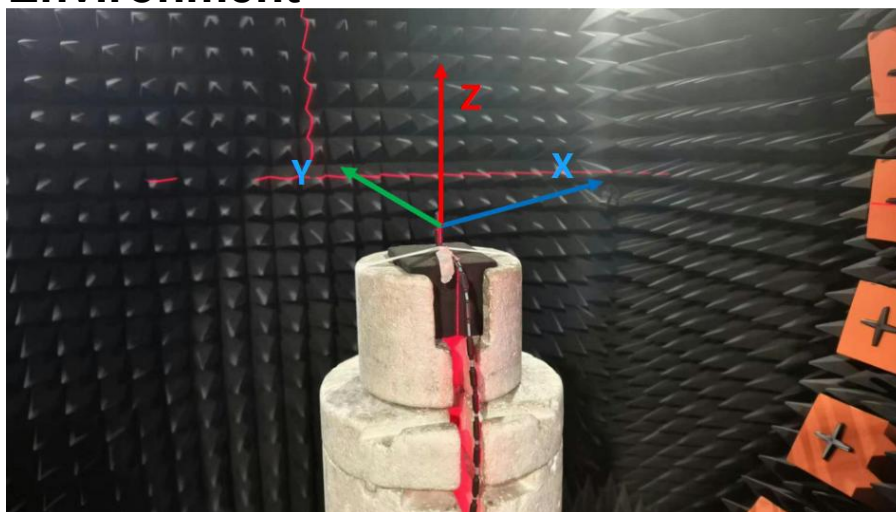


824-2170MHz Phi 90 2D

V. Test Data- Radiation Pattern-3D

824MHz	
960MHz	
1710MHz	
2170MHz	

VI. Test Environment



Above is the 3D coordinate distribution in the Microwave Anechoic Chamber, of which the colors are consistent with those shown in the figure.

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