OTA TEST REPORT

Applicant Shenzhen General Test System Co., Ltd

Issue Date March 25, 2026

Shenzhen Fu Bang Wireless Technology Co., Ltd. tested the above equipment in accordance with the requirements in **ANTI/IEEE Std 149-2008**.The test results show that the equipment tested is capable of demonstrating compliance with the Requirements as documented in this report.

Prepared by: Tong Dong

Approved by: Lin Xiang

Shenzhen Fu Bang Wireless Technology Co., Ltd.

Room 302, lianjian Industry Part, Huarong road, Longhua District, Shenzhen, P.R. China

1. Test Laboratory

1.1 Notes of the Test report

This report shall not be reproduced in full or partial. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of applicable standards stated above.

1.2 Test facility

GTS1800 Microwave Anechoic Chamber ： testing frequency ranges from 600MHz to 6GHz .

1.3 Testing Location

Company: Shenzhen Fu Bang Wireless Technology Co., Ltd

Address: Room 302, lianjian Industry Part, Huarong road, Longhua District, Shenzhen, P.R. China

Contact: Tong Dong

Telephone: 15721979352

E-mail: 3108834825@qq.com

1.4 Laboratory Environment

Temperature	Min.= 19℃, Max.=25℃	
Relative humidity	Min.=40%， Max.=72%	
Shield effect	0.6-7GHz	>100dB
Ground resistance	<0.5 Ω	

2. General Description of Equipment under Test

2.1 Applicant and Manufacturer information

Applicant Name	Shenzhen General Test System Co., Ltd
Applicant address	Building C-A7 Suite 805,2190 Liuxian Avenue, Nanshan District, Shenzhen, P.R. China
Manufacturer Name	Shenzhen General Test System Co., Ltd
Manufacturer address	Building C-A7 Suite 805,2190 Liuxian Avenue, Nanshan District, Shenzhen, P.R. China

2.2 General information

EUT Description	
Antenna Model	FB-G013-MAIN-V0.1 FB-G013-DIV-V0.1 FB-G013-WBG-V0.1 FB-G013-NFC-V0.1
HW Version	RayZone1800 V1.0
SW Version	MaxSign 100
Antenna Type	FPC Antenna
Antenna Manufacturer	Shenzhen General Test System Co., Ltd
Test Frequency	600MHz-5.8GHz

2.3 Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:
Test Method: **ANSI/IEEE Std 149-2008**

3. Test Conditions

3.1 Test Configuration

The method is used to measure the antenna 3D GAIN of EUT in OTA qualified anechoic chamber. Equipment Under Test (EUT) geometry centre vertical projection at the centre of platform, the distance from EUT to measurement antenna is 1m.

3.2 Test Measurement

Spherical coordinate system

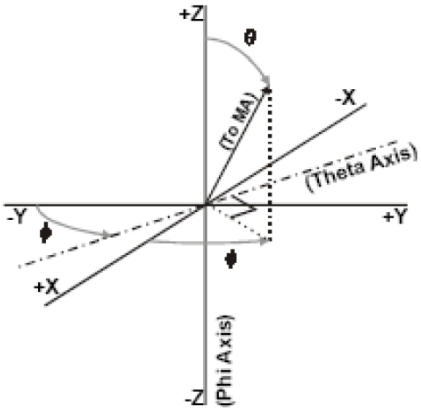
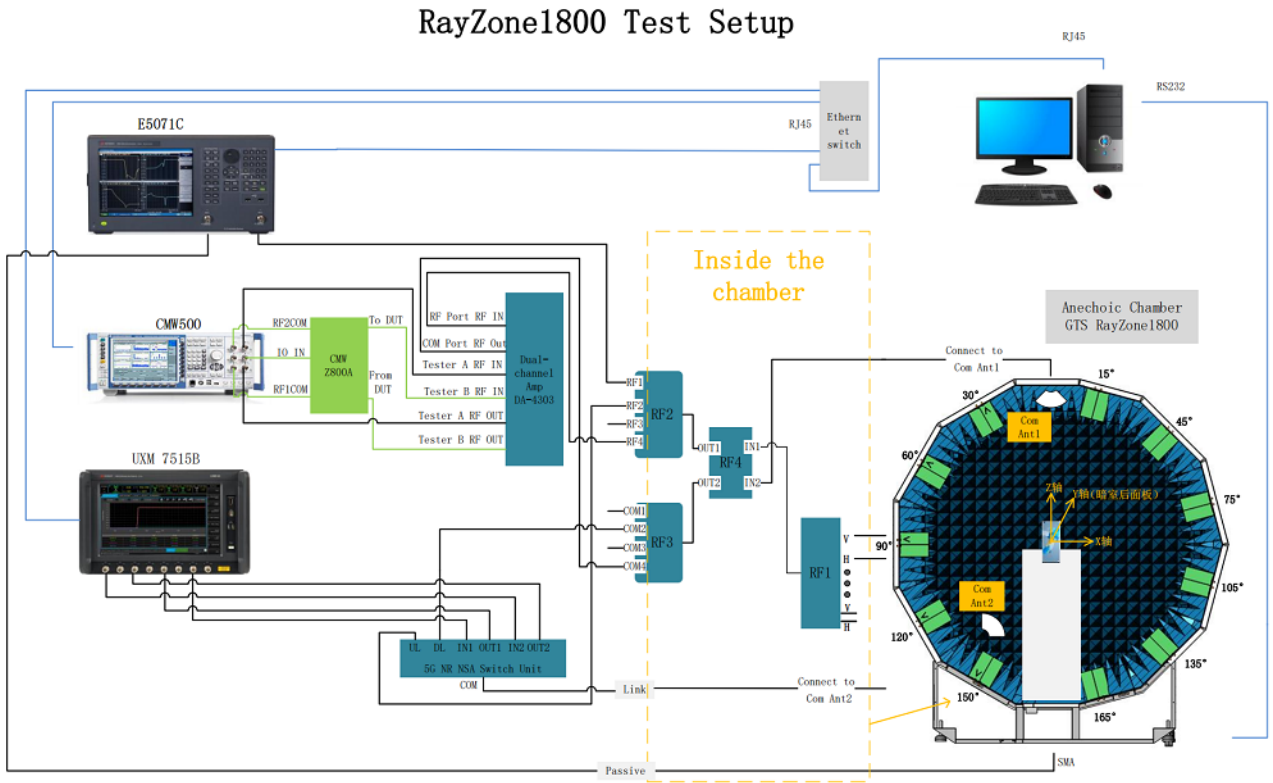


Figure 1 Test coordinate system

Note: Theta is from 0-180degree.Phi is from EUT and record the Date, the step of rotation is 15 degree.

Test Setup



4. Test Results

4.1 Gain and Efficiencynbv cxkjhgfds[poiuytrq-0987632

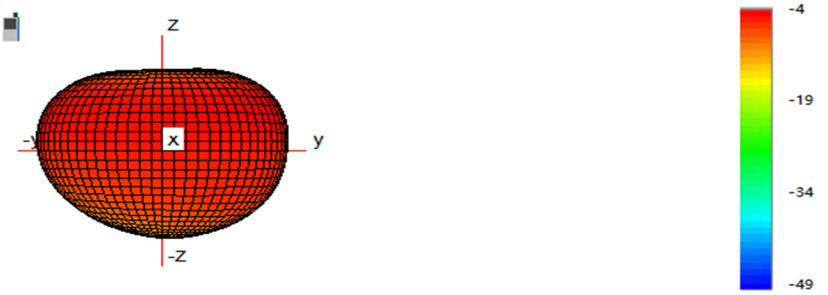
Model	Test State	Frequency (MHz)	Efficiency (%)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Gain (dBi)	Note
	Free Space	700	14.4	-5.6	1980	25.8	0.1	
		710	15.3	-5.7	2000	24.8	-0.5	
		720	15.4	-5.8	2020	22.8	-1.1	
		730	15.0	-5.3	2040	21.2	-1.9	
		740	15.5	-5.2	2060	22.0	-2.6	
		750	15.5	-5.3	2080	21.0	-2.7	
		760	14.5	-5.4	2100	21.4	-2.7	
		770	14.7	-5.6	2120	21.3	-2.7	
		780	15.0	-5.3	2140	21.7	-2.1	
		790	15.0	-5.3	2160	22.9	-2.4	
		800	14.8	-5.1	2180	23.7	-1.6	
		810	14.6	-5.5	2200	23.2	-2.3	
		820	14.4	-4.8	2300	23.8	-2.0	
		830	16.4	-4.2	2320	24.2	-2.3	
		840	17.9	-4.0	2340	24.4	-2.3	
		850	20.0	-3.4	2360	23.8	-2.4	
		860	19.3	-3.5	2380	22.3	-2.3	
		870	19.0	-3.8	2400	21.6	-2.0	
		880	16.7	-3.7	2420	21.9	-1.7	
		890	20.9	-2.8	2440	22.8	-1.5	
		900	23.3	-2.3	2460	23.4	-1.9	
		910	23.9	-2.2	2480	23.1	-2.3	
		920	22.8	-2.5	2500	22.9	-1.1	
		930	20.1	-3.1	2520	25.1	-0.8	
		940	16.7	-3.9	2540	27.3	-0.4	
		950	13.7	-4.9	2560	30.5	0.2	
		960	11.7	-5.6	2580	31.6	0.3	
		1700	21.1	-1.7	2600	33.9	0.5	
		1720	20.5	-1.3	2620	35.5	0.3	
		1740	21.2	-0.9	2640	36.2	0.2	
		1760	20.8	-0.6	2660	36.1	0.4	
		1780	20.1	-0.8	2680	35.3	0.4	
		1800	20.4	-1.2	2700	34.3	0.3	
		1820	20.4	-1.1				
		1840	21.3	-0.7				
		1860	22.3	-0.7				
		1880	22.7	-0.4				
		1900	23.9	0.0				
		1920	24.4	0.4				
		1940	25.2	0.6				
		1960	26.7	0.6				

Model	Test State	Frequency (MHz)	Efficiency (%)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Gain (dBi)	Note
		1550	39.7	0.5	5100	13.9	-4.9	
		1560	38.3	0.5	5140	16.2	-3.4	
		1570	36.7	0.5	5180	17.7	-3.7	
		1580	34.5	0.2	5220	18.7	-3.2	
		1590	39.7	0.5	5260	19.0	-2.7	
		2400	35.9	0.6	5300	19.8	-2.8	
		2410	35.9	0.6	5340	21.7	-2.7	
		2420	36.8	0.8	5380	25.1	-1.5	
		2430	37.8	0.9	5420	24.2	-1.6	
		2440	38.2	0.9	5460	24.0	-1.9	
		2450	37.9	0.9	5500	25.6	-1.6	
		2460	37.5	0.8	5540	26.8	-0.8	
		2470	37.2	0.8	5580	27.5	-0.8	
		2480	36.5	0.6	5620	29.5	0.1	
		2490	34.9	0.4	5660	30.2	-0.7	
	Free Space	2500	35.9	0.6	5700	30.6	0.3	
					5740	31.3	-0.6	
					5780	31.9	0.6	
					5800	31.4	-0.1	
					5810	27.9	-0.1	
					5820	24.8	-0.6	
					5830	24.0	-0.6	
					5840	21.8	-1.4	
					5850	20.6	-1.6	

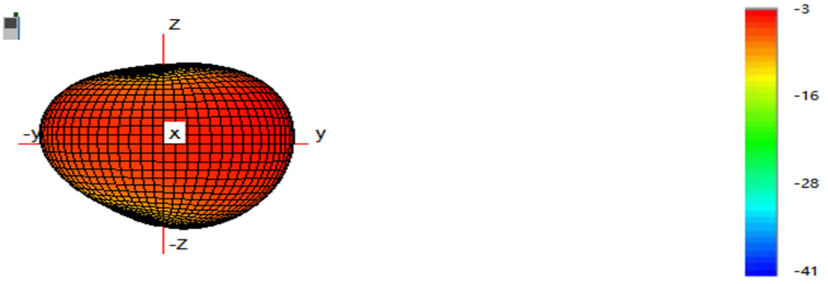
5. Equipment List

Type of Equipment	Manufacture	Model Number
Network Analyzer	Key sight	E5071C
Switch control System	GTS	RayZone1800
Software	GTS	MaxSign 100 Patten Measurement software
Radio Communication Tester	Rohde&Schwarz	CMW 500
	Anritsu	MT8000A
	Agilent	E4438C

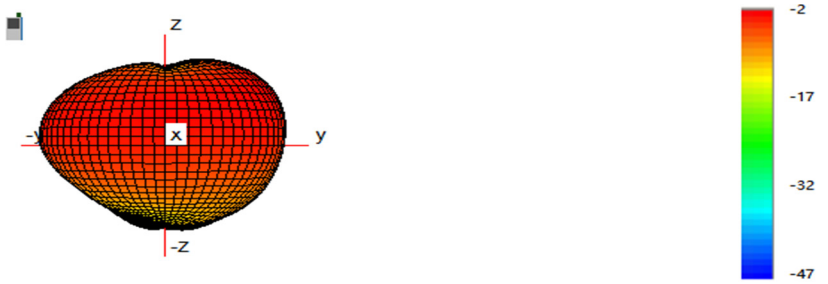
ANNEX A 3-D Patten Plots



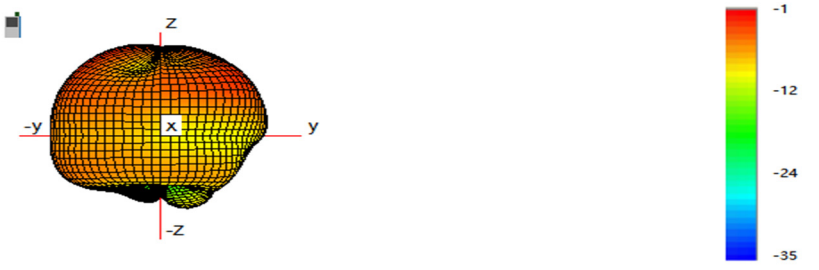
700MHz



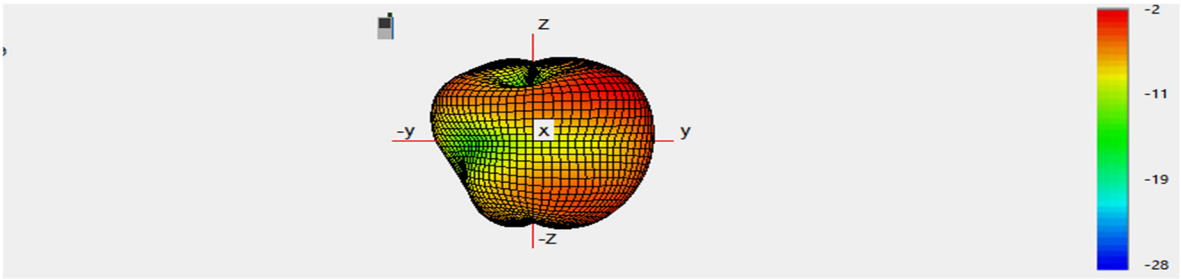
850MHz



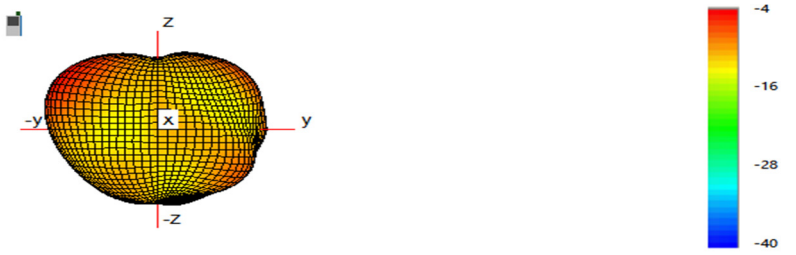
900MHz



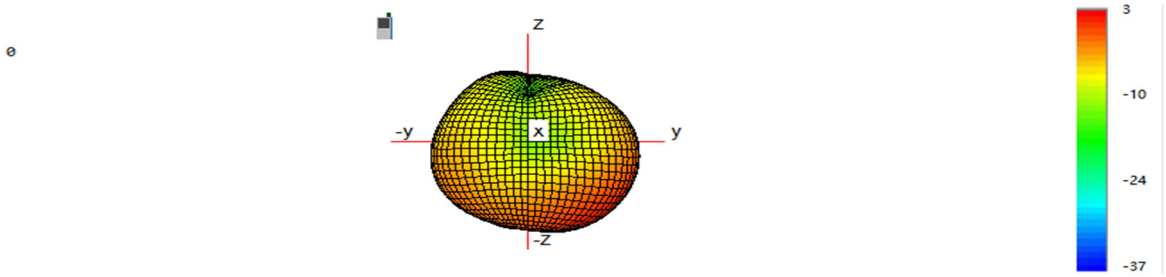
1800MHz



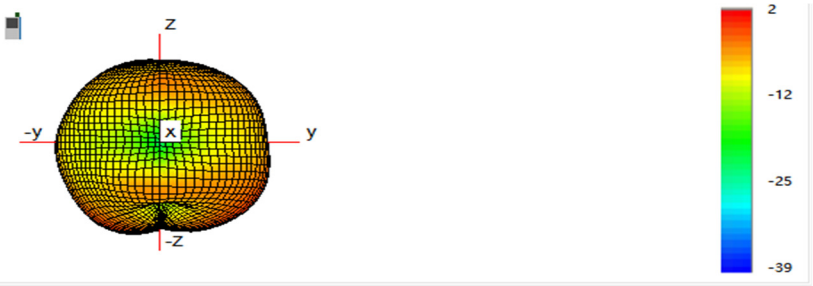
1900MHz



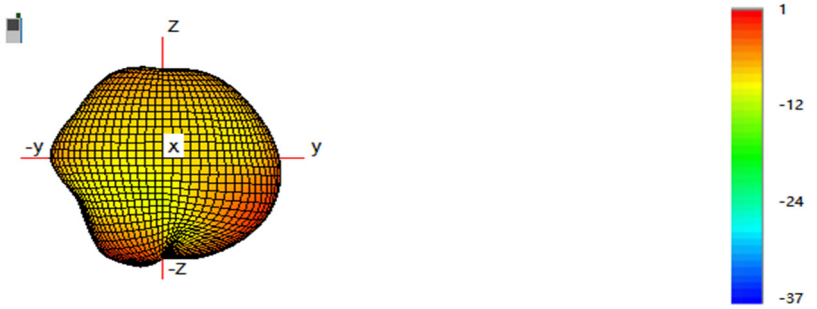
2100MHz



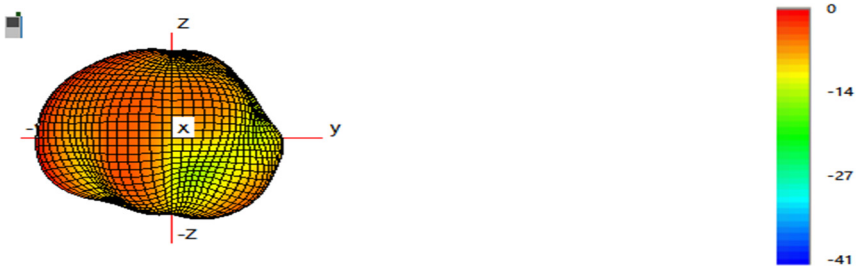
2700MHz



1575MHz



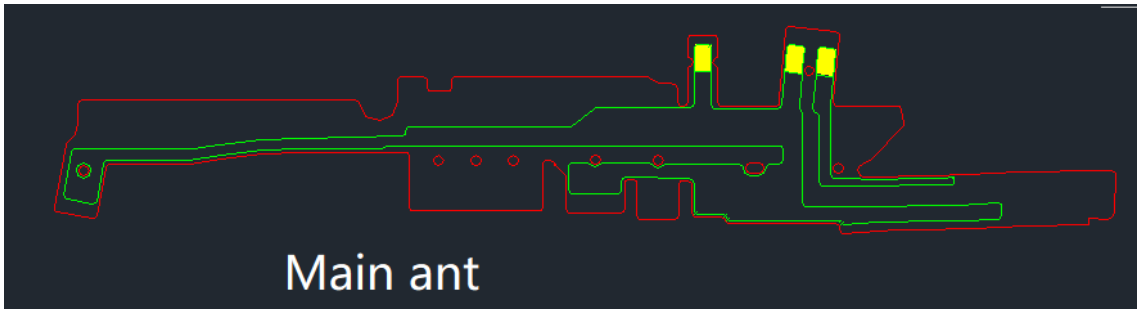
2400MHz

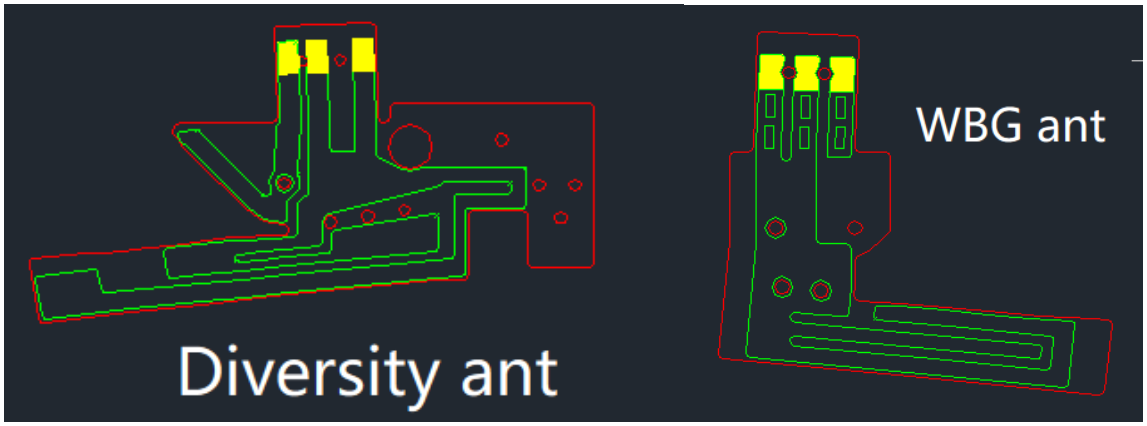


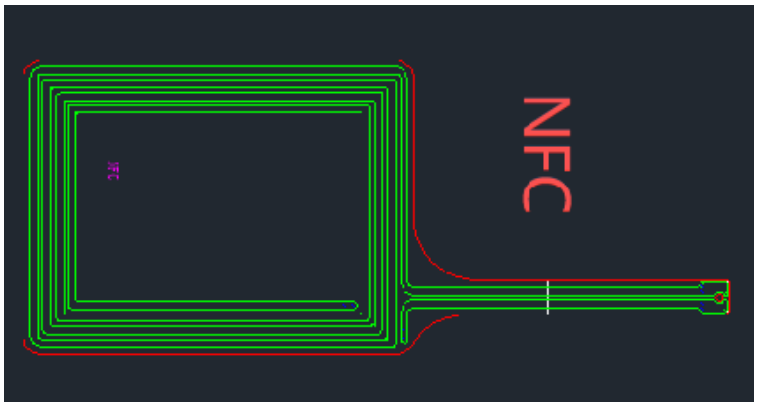
5100MHz

ANNEX B: The EUT Appearance and Test Configuration

B.1 EUT Appearance







B.2 Test Configuration