

Antenna TEST REPORT

Test Report No.....: RF230627008-01-001

Product(s) Name.....: Remote Work Light TX PCB Antenna

Model(s).....: TX PCB Antenna

Applicant.....: Chamberlain Group LLC, The

Address.....: H&T INDUSTRY PARK 18 BaoShan Road TIANLIAO COMMUNITY,
GONGMING GUANGMING DISTRICT SHENZHEN GUANGDONG 518132, China

Receipt Date.....: Oct. 24.2023

Test Date.....: Oct. 24.2023~ Oct. 26.2023

Issued Date.....: Oct. 26.2023

Standards.....: Customer requirement(Refer to Chapters 2.2 Test Method)

Testing Laboratory.....: Shenzhen Haiyun Testing Co., Ltd.

Prepared by	Reviewed by	Approved by	
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1. Purpose & Environment

1.1 Purpose

- Meet the electrical performance index;
- Confirm the antenna scheme to meet the design requirements;

1.2 Environment

- Test Condition: the network analyzer(E5071C) and SATIMO microwave anechoic chamber
- Passive measurement results are presented

- TEST ENVIRONMENT CONDITIONS

Temperature	26.85°C	Relative Humidity	53.2 %
Atmosphere Pressure	101 kPa	\	\

2. Test Configuration and Test Method

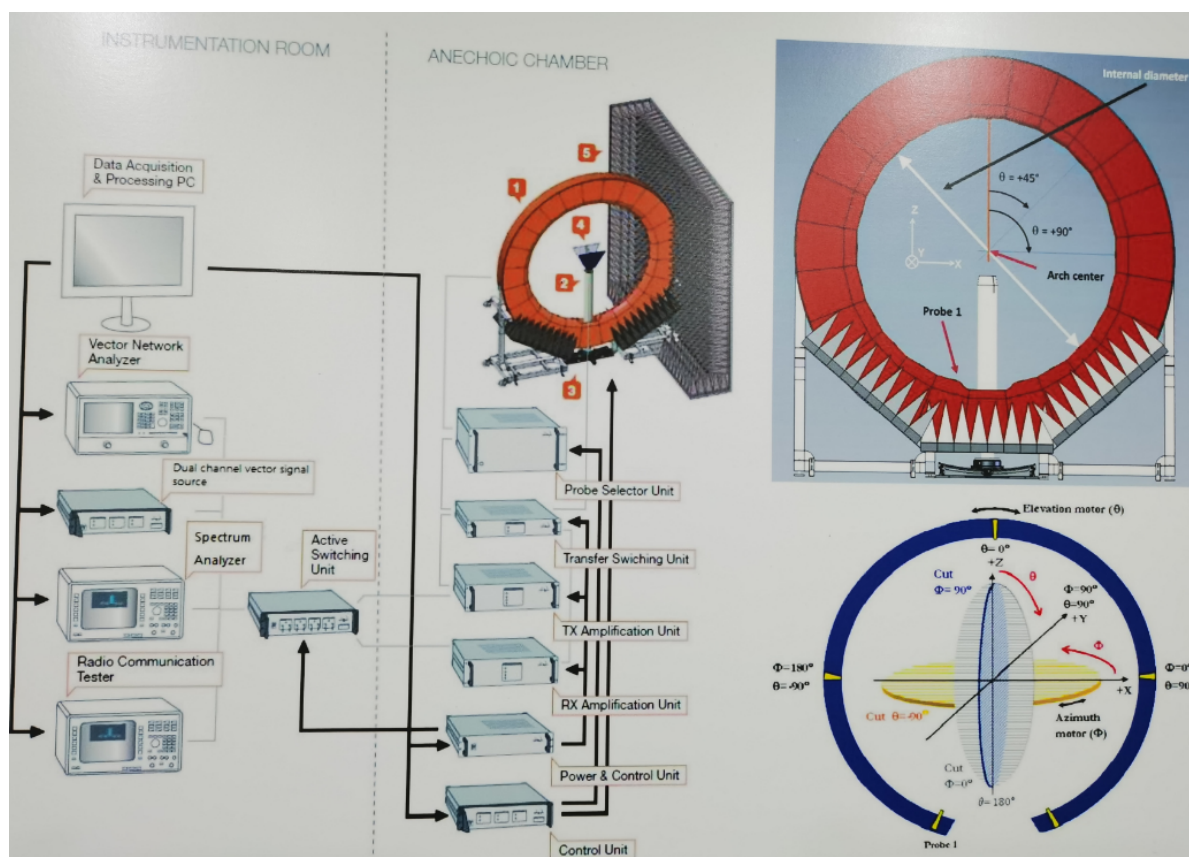
2.1 Test Configuration

Test configuration: Reference to CITA OTA distributed-axes system configuration.

Chamber: Fully Anechoic Chamber.

Turntable: Phi angle; Multiple antenna loop: Theta angle

Test system configuration diagram

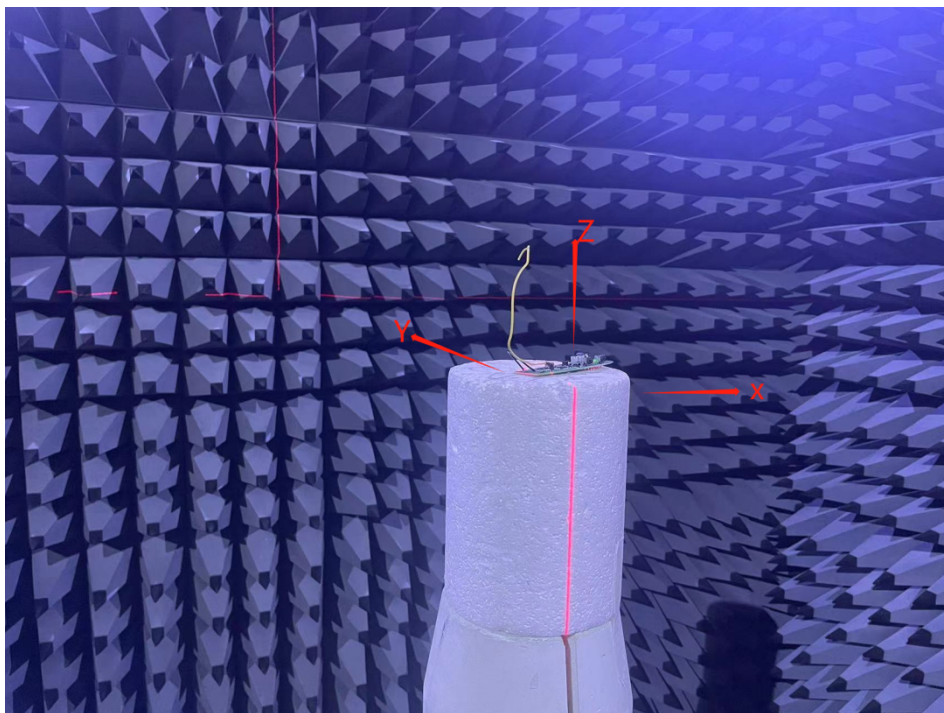


2.2 Test Method

Port 1 of Network analyzer connect to antenna of EUT. Record S21 value every 15 degree from 0 to 345 degree on Theta angle and 0 to 180 on Phi angle . Repeat process to each antenna of EUT.

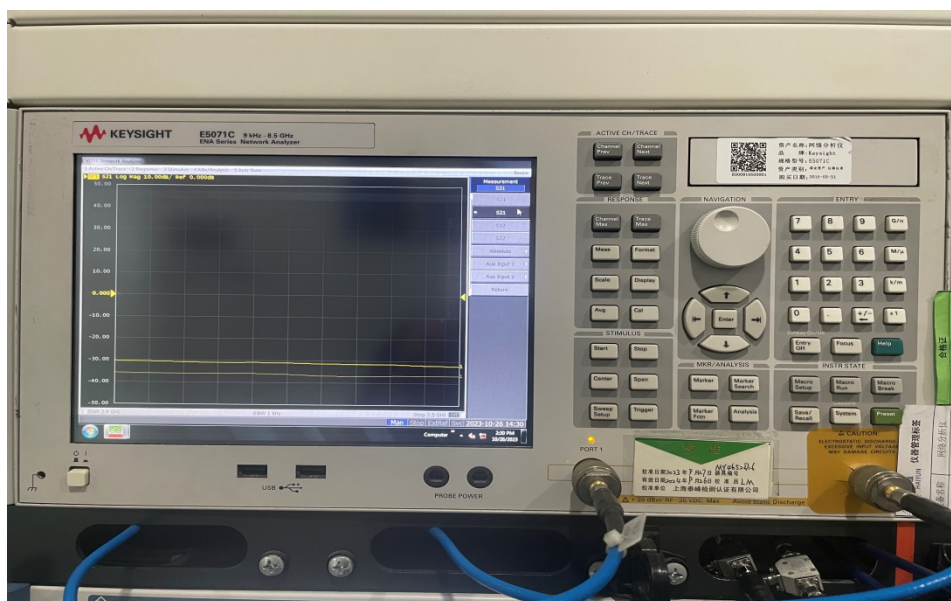
3.Test photos、 Test Condition and DUT Antenna

3.1 Test photos



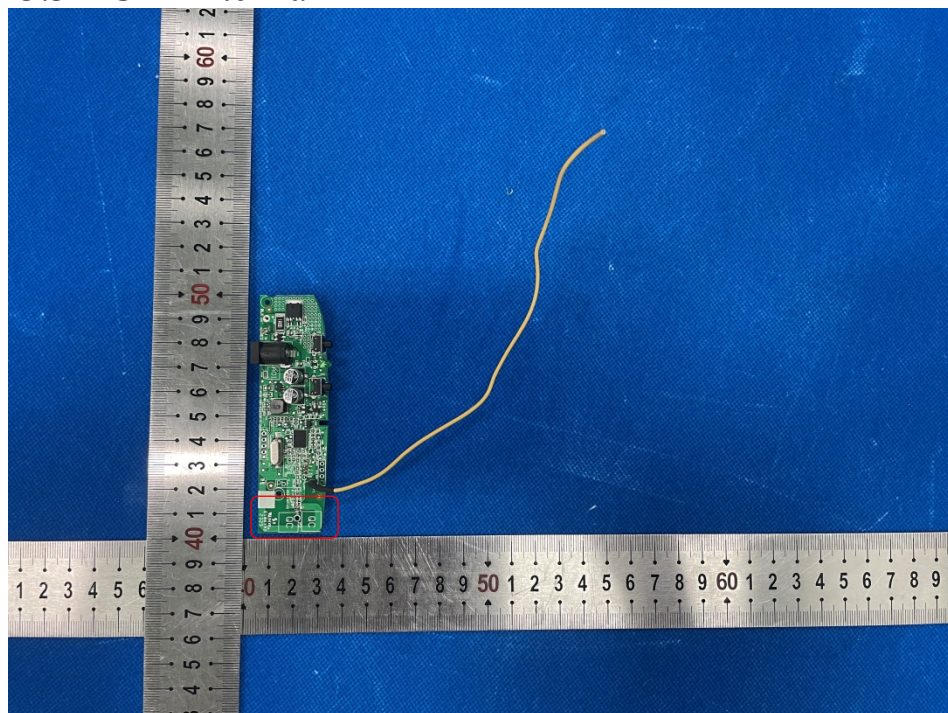
Microwave anechoic chamber

3.2 Test Condition



The network Analyzer

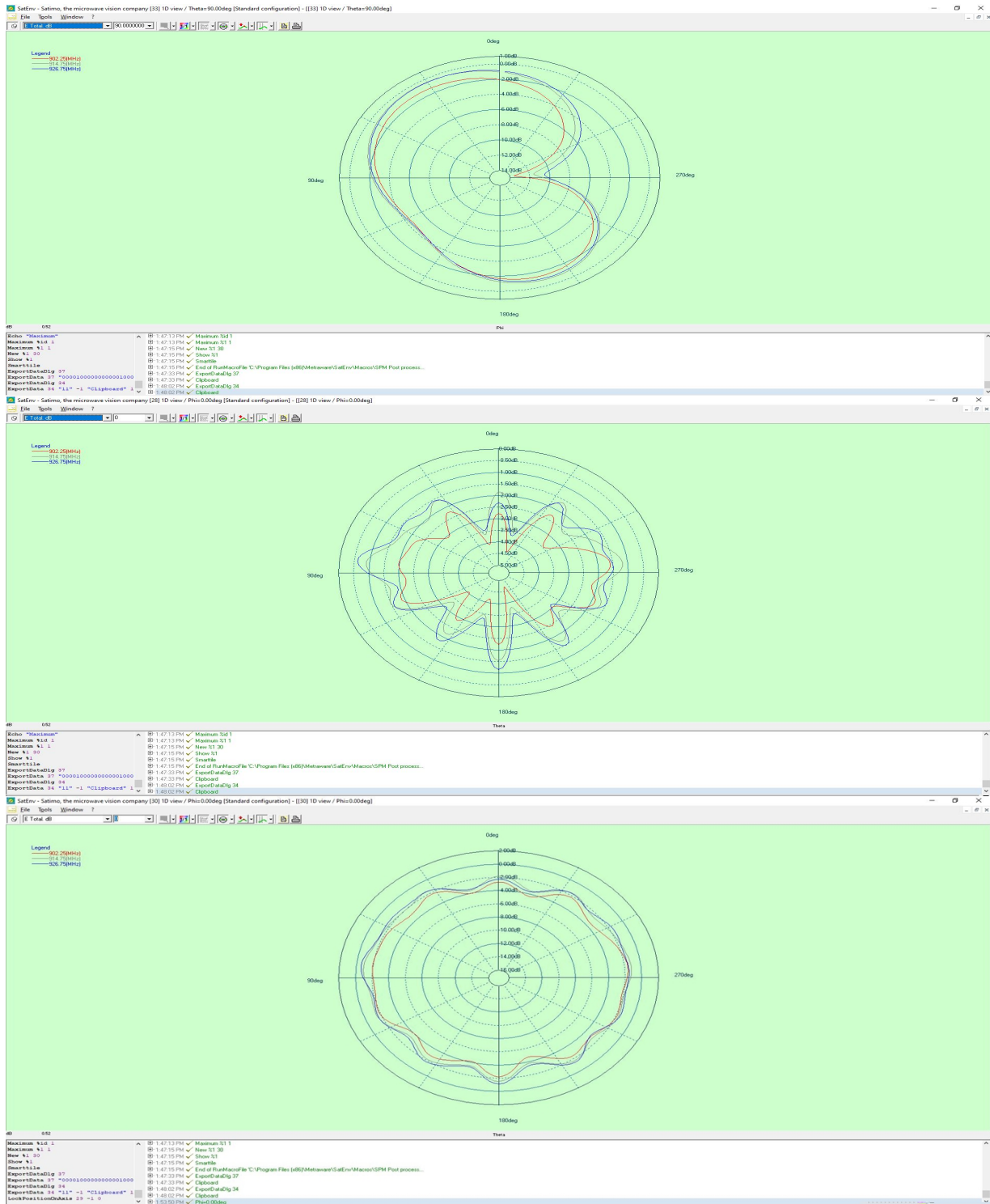
3.3 DUT Antenna



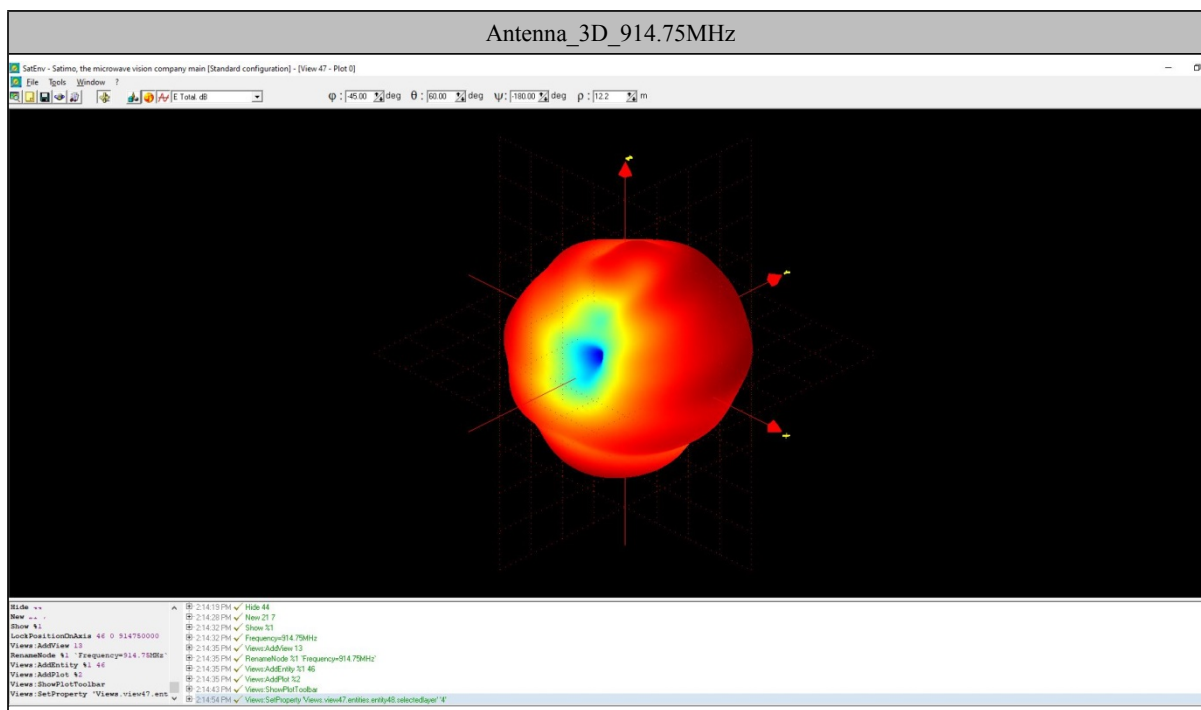
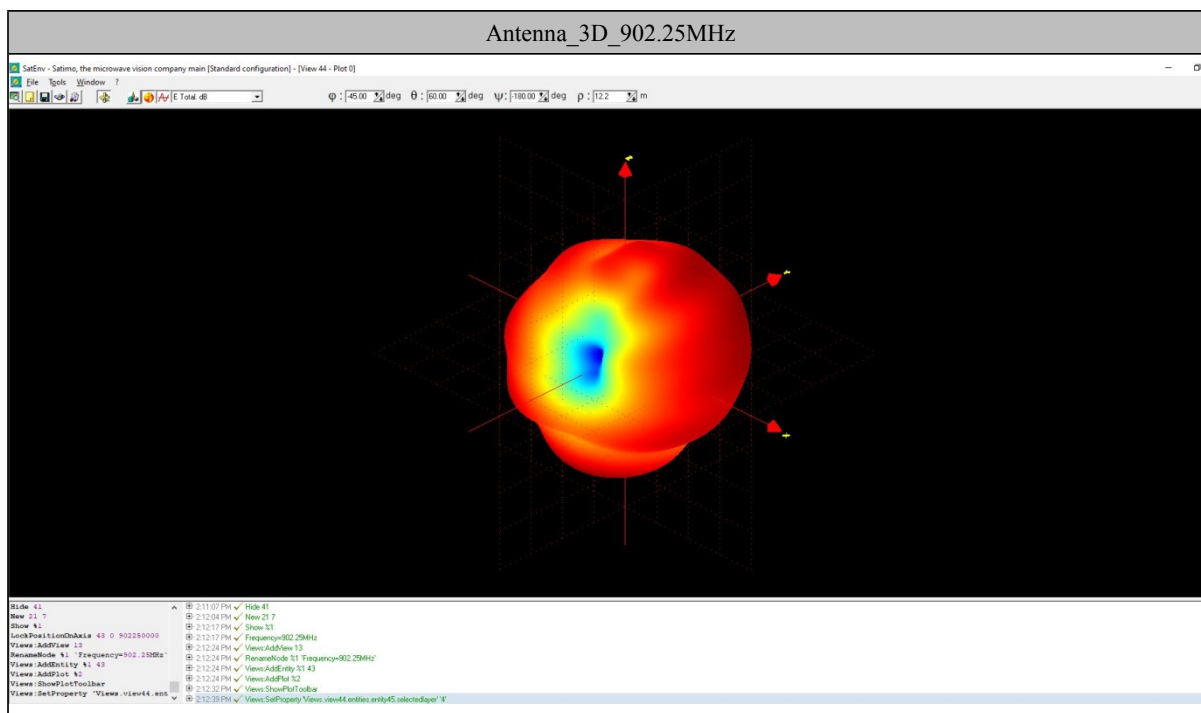
4. Radiation pattern

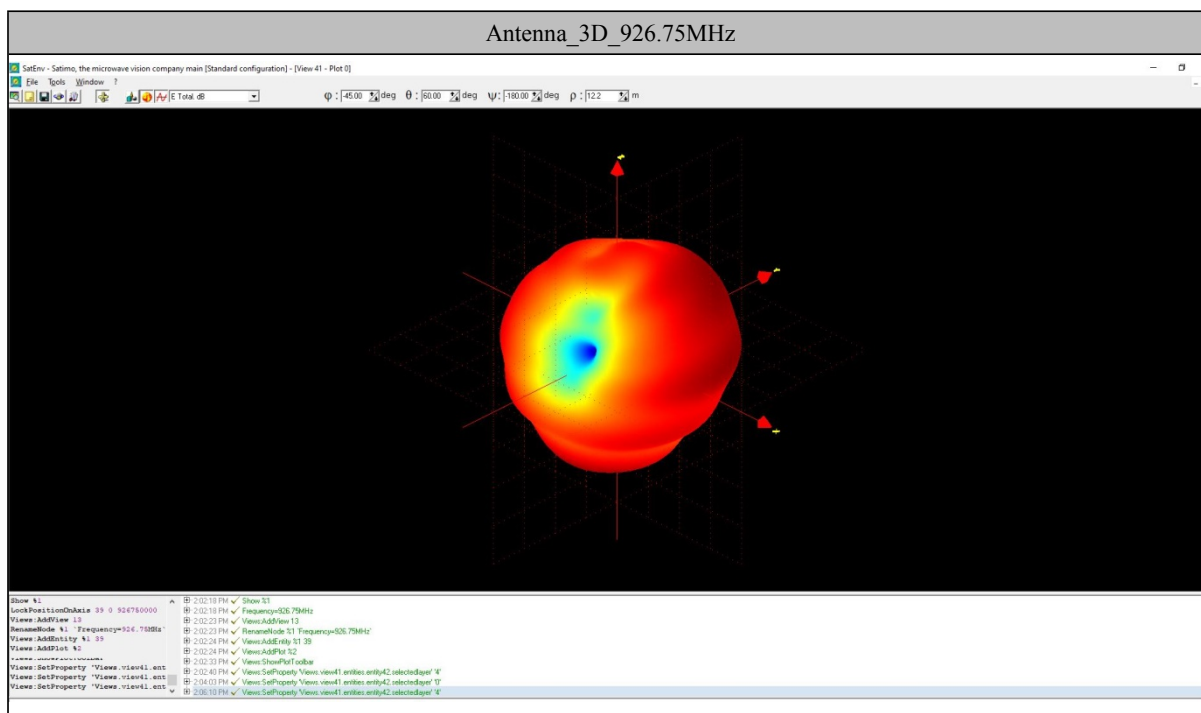
4.1 2D Radiation pattern test results

Antenna_2D



4.2 3D Radiation pattern test results





5. Peak Gain

5.1 Test results

Antenna_Peak Gain	
Frequency (MHz)	Peak_Gain . dBi
902.25	-0.9187
914.75	-0.2584
926.75	-0.0620

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Testing Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Testing Co., Ltd.

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**** End of report ****