

No.:
GJWSZ2023-0181-E

TEST REPORT

NAME OF SAMPLE : Walking machine remote control

CLIENT : Xiamen Qiaoyang Electronic Technology
Co., Ltd.

CLASSIFICATION OF TEST : N/A

CVC Testing Technology (Shenzhen) Co., Ltd.



Client		Name : Xiamen Qiaoyang Electronic Technology Co., Ltd.	
		Address : Qiaoyang Electronics, Floor 6, Plant 3, No. 55, Wuli Road, Xinmin Town, Tong'an District, Xiamen	
Manufacturer		Name : Xiamen Qiaoyang Electronic Technology Co., Ltd.	
		Address : Qiaoyang Electronics, Floor 6, Plant 3, No. 55, Wuli Road, Xinmin Town, Tong'an District, Xiamen	
Equipment Under Test		Name : Walking machine remote control	
		Model/Type: URTM024	
		Additional Model: N/A	
		Trade mark : N/A	
		Serial NO.:N/A	
		Sample NO.: 1-1	
Date of Receipt.	2023.07.24	Date of Testing	2023.07.24~2023.07.26
Test Specification		Test Result	
ANSI/IEEE Std 149-1979 IEEE Standard Test Procedures for Antennas		N/A	
Evaluation of Test Result		The PCB Antenna Gain has been tested and the test results were shown on pages 8 to 12.	
		Seal of CVC	
		Issue Date: 2023.07.26	
Tested by:  Cai Jianyu Name Signature		Reviewed by:  Huang Meng Name Signature	Approved by:  Dong Sanbi Name Signature
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
GJWSZ2023-0181-E	Original release	2023.07.26



1. SUMMARY OF TEST RESULTS

Test Item	Result
Gain(Peak Gain)	-3.87 dBi



2. GENERAL INFORMATION

2.1 General Product Information

PRODUCT	Walking machine remote control
BRAND	N/A
TEST MODEL	URTM024
ADDITIONAL MODEL	N/A
ANTENNA TYPE	PCB Antenna
FREQUENCY RANGE	428MHz-438MHz
DIMENSIONS	29mm × 13mm
Remark: - For more detailed features description, please refer to the manufacturer's specifications or the User's Manual. - Since the above data and/or information is provided by the client, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.	



2.2 Test Condition

ENVIRONMENT PARAMETER	Ambient Pressure (KPa)	Temperature (°C)	Voltage	Relative Humidity (%)
NORMAL TEMPERATURE,NORMAL VOLTAGE	101	22.5	N/A	54.5

2.3 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

Item	Uncertainty
Gain	$\pm 0.8\text{dB}$

2.4 Test Location

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology (Shenzhen) Co., Ltd.

Lab Address: No. 1301, Guanguang Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen City, Guangdong Province 518110 P.R.China

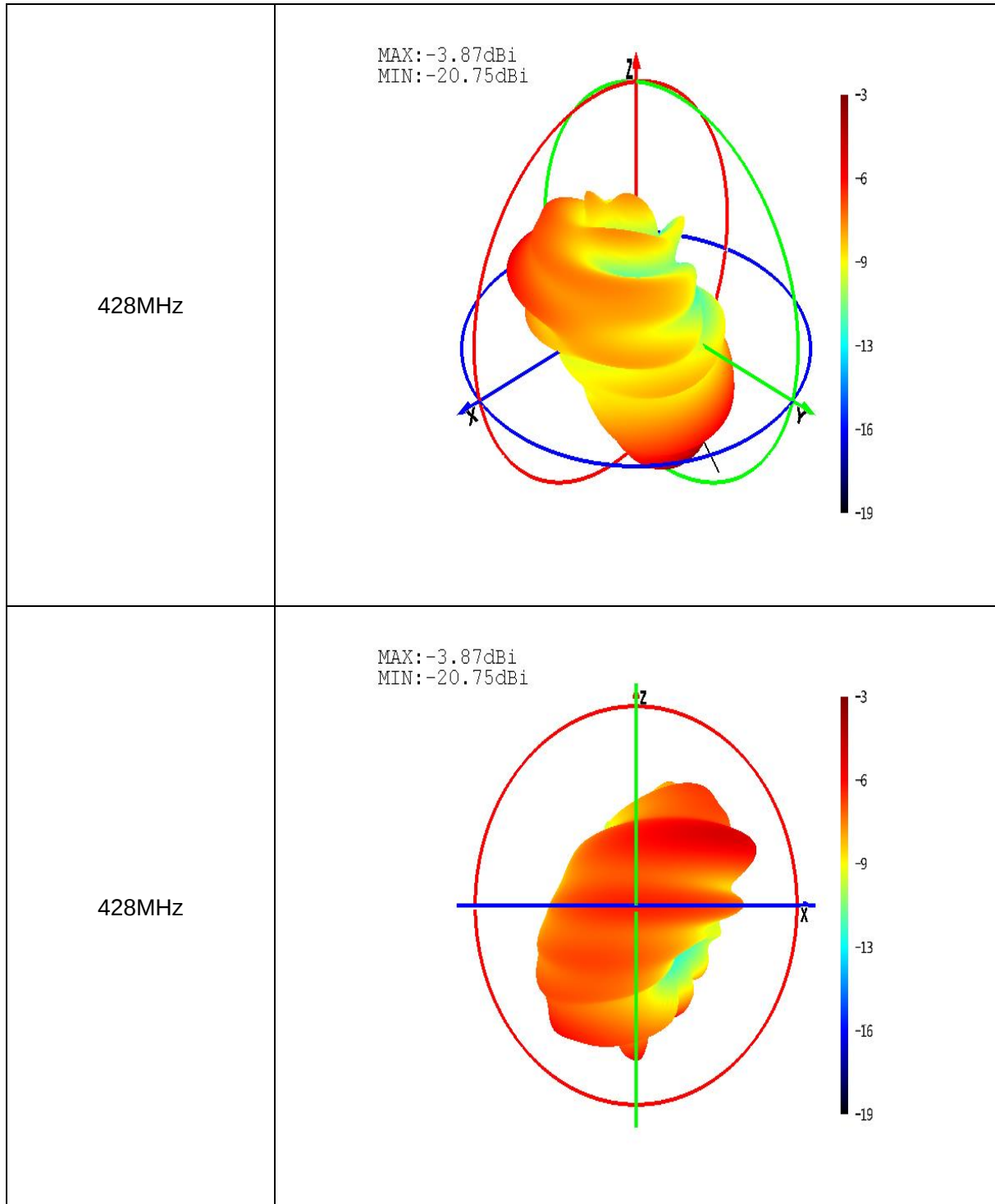
Post Code: 518110 Tel: 0755-23763060-8805
Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn
<http://www.cvc.org.cn>

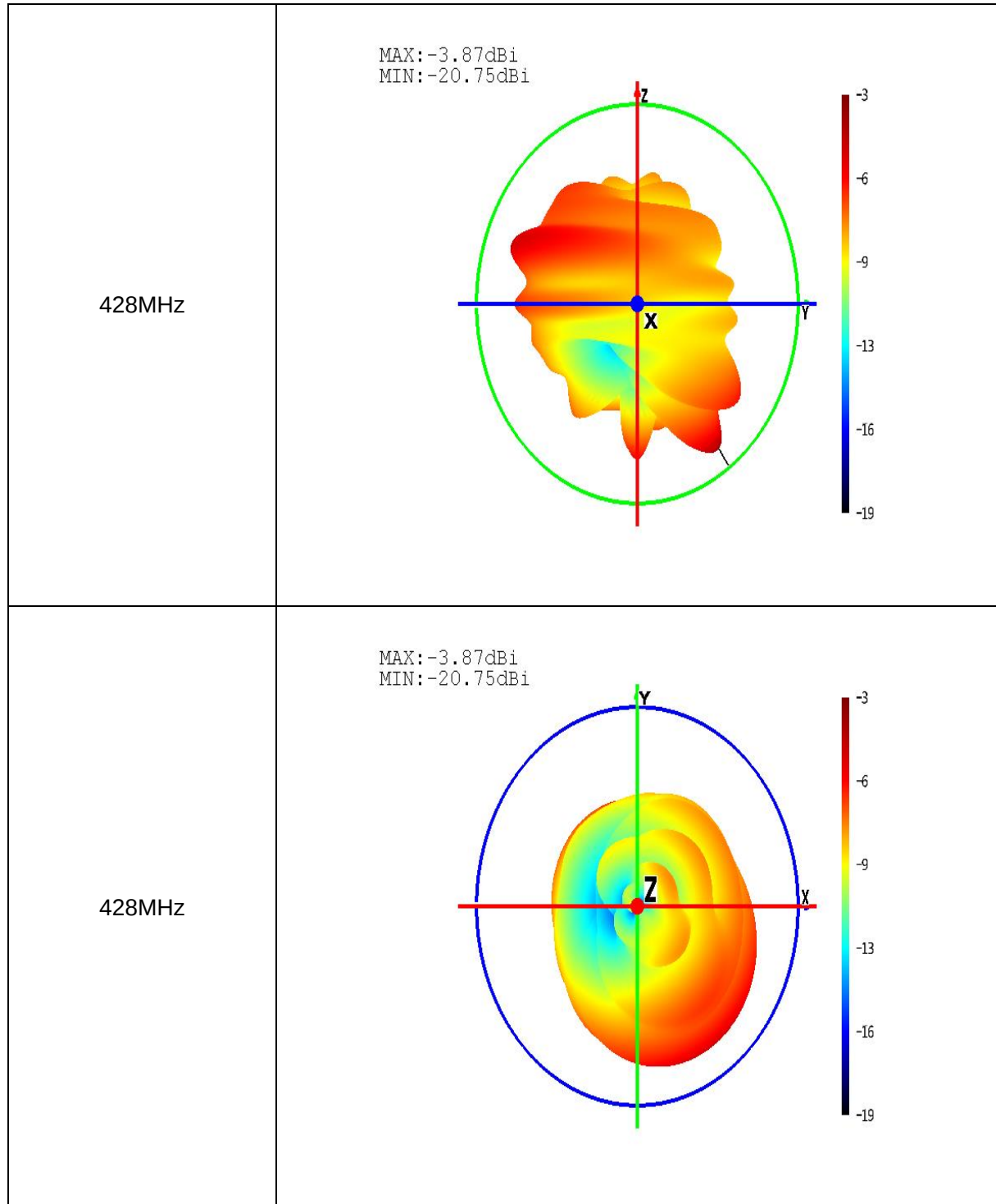


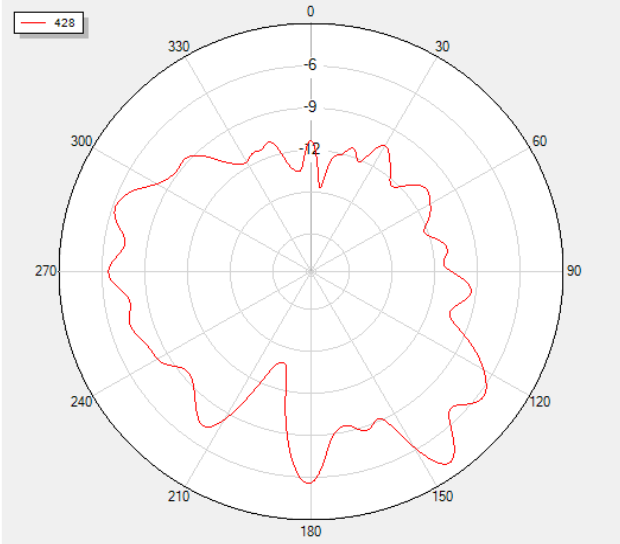
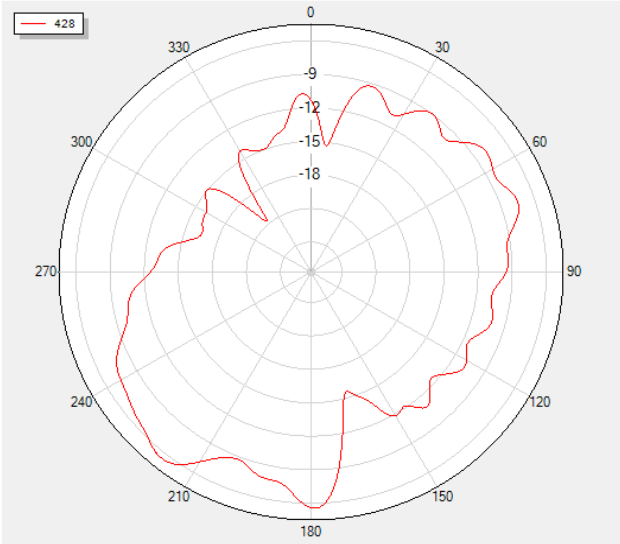
3. ANTENNA GAIN

3.1 Test Results

Test Model	URTM024
Sample No.	1-1
Frequency (MHz)	Gain(dBi)
428	-3.87
429	-4.18
430	-4.37
431	-4.78
432	-5.03
433	-5.12
434	-5.05
435	-4.95
436	-5.01
437	-5.27
438	-5.57

3.2 Test Graphs

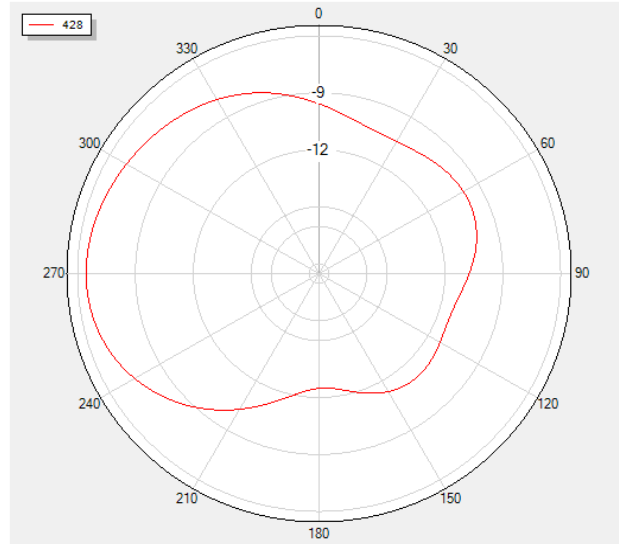


428MHz	Phi=90 
428MHz	Phi=0 

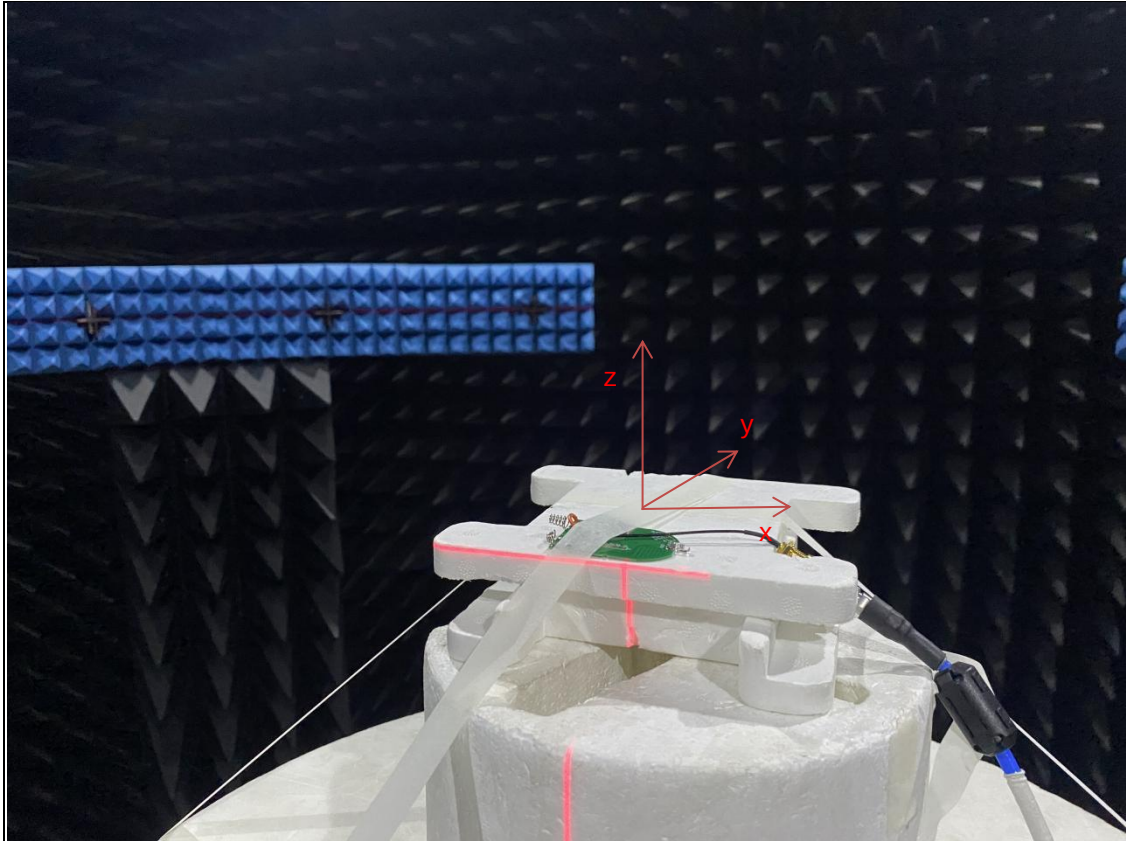


428MHz

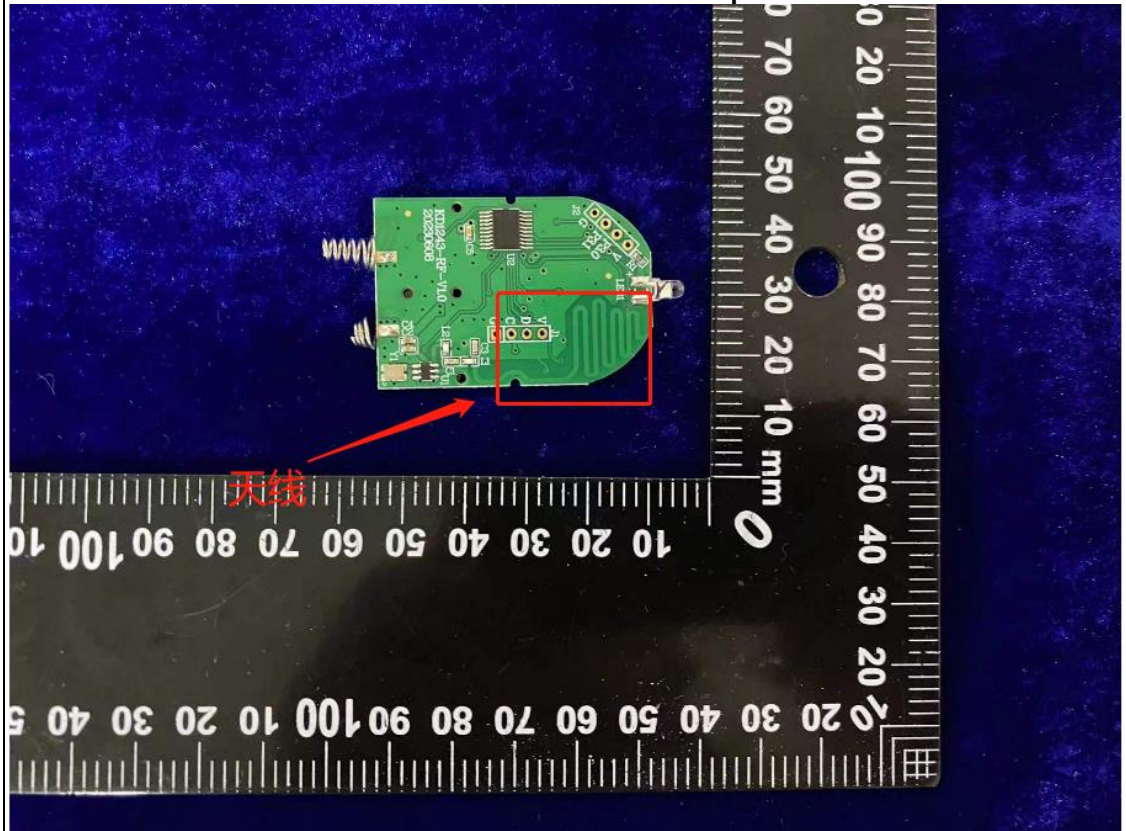
Theta=90



4. PHOTOGRAPH OF TEST SET UP



Passive Measurement Setup

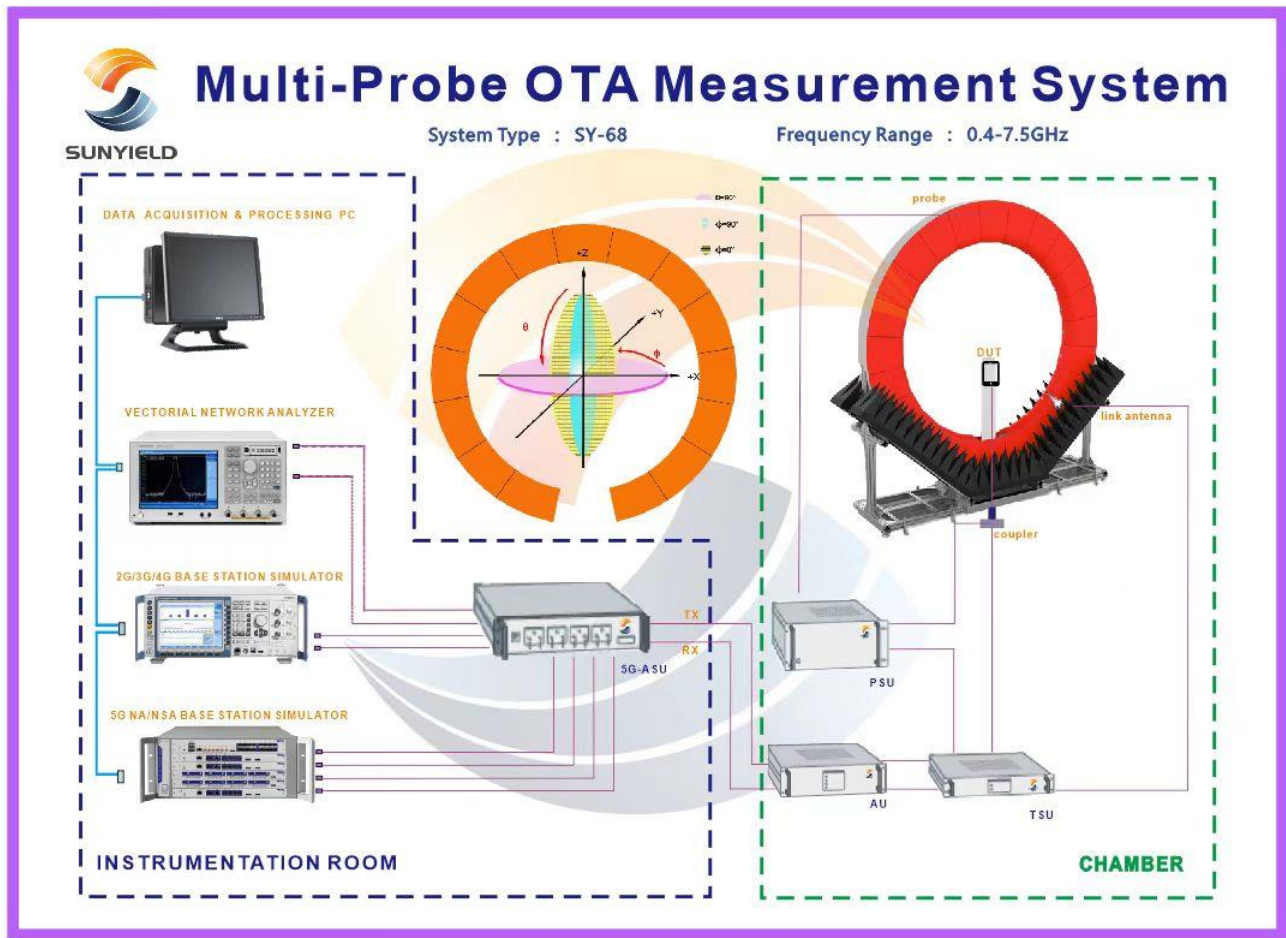




APPENDIX A

Test Equipment	Equipment No.	Serial No.	Manufacturer	Type/Model	Cal.Due	Using
Shielded Room	CS0300038	20211221	SUN YIELD	6m*6m*6m	2024/12/20	√
Vector Network Analyzer	CS0300067	101544	R&S	ZNB40	2024/5/25	√
Automatic switching unit	CS0300039	81612472	/	5G ACTIVE SWITCHING UNIT	/	√

APPENDIX B





Important

- (1) The test report is valid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N/A” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

****The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.****

Address of the laboratory:

CVC Testing Technology (Shenzhen) Co., Ltd.

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