

Testing Report

Customer Name BLU Products, Inc.

FCC ID YHLBLU12KC

Reference Standard: *GB/T 9410-2008; ANSI/IEEE Std 149-1979*

Engineer: Zefeng Jiang Date:2025.8-30

Auditor: Shengpeng Zhuo Date:2025.8-30

Approver: Junling Jiang Date:2025.8-30

Version No	Date	Description	Formulate	Approval
AO	2025.8-30	For the first time.	Shengpeng Zhuo	Junling Jiang

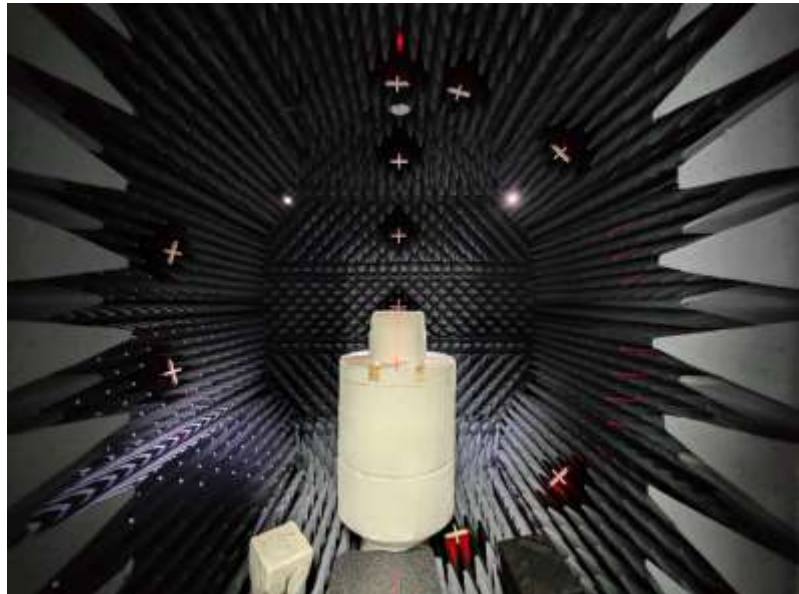
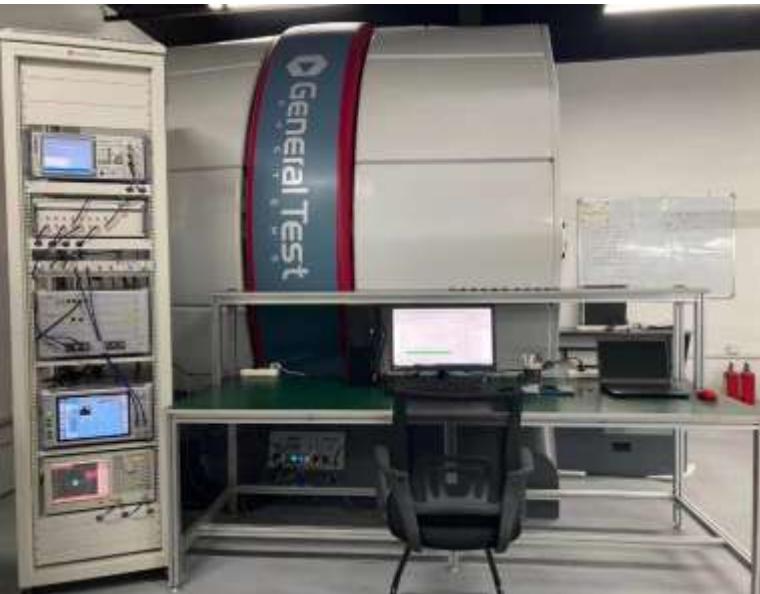
1.General Information

1.1 General information of testing institutions

Name Address	Shenzhen HamyWe Technology Co, Ltd. 1st floor,Building B,Jinghang Industrial Park,Liu xian 2nd Road,District71,Bao'an,Shenzhen
Tel	0755-3688170
E-mail	rf1@szuhot.com
Equipment	GTS2800

1.2 Testing principle

Multi-Probe OTA Measurement System



1.3 Test equipment

Equipment	Model No.	Serial No.	Manufacturer	Calibration date	Next calibration date
16 probe microwave chamber	3*3*29	RFI-LAB-RF-A00	SUNYIELD	2024.11.2	2025.11.1
Network Analyzer	E5071C	RFI-LAB-RF-A02	Agilent	2024.12.8	2025.12.7

1.4 Test environment

Temperature	24.6V
Humidity	59%RH
Pressure	100.12kPa

1.5 Statement

- (1) The test results in the report are only applicable to the tested sauries and the tested samples work under the environment described in the rq) ort.
- (2) Only Shenzhen FB-LAB Communication Technology Co., Ltd. have the right to modify the report, and the modification information shall be annotated in the revision fbnn.
- (3) Any objection to this report shall be raised within 30 days after formal confirmation of the report.
- (4) This report is invalid if there is any evidence that the sample information provided is falsified.
- (5) The report is invalid without the signature of the auditor and approver.

2.Sample Information

2.1 Client information

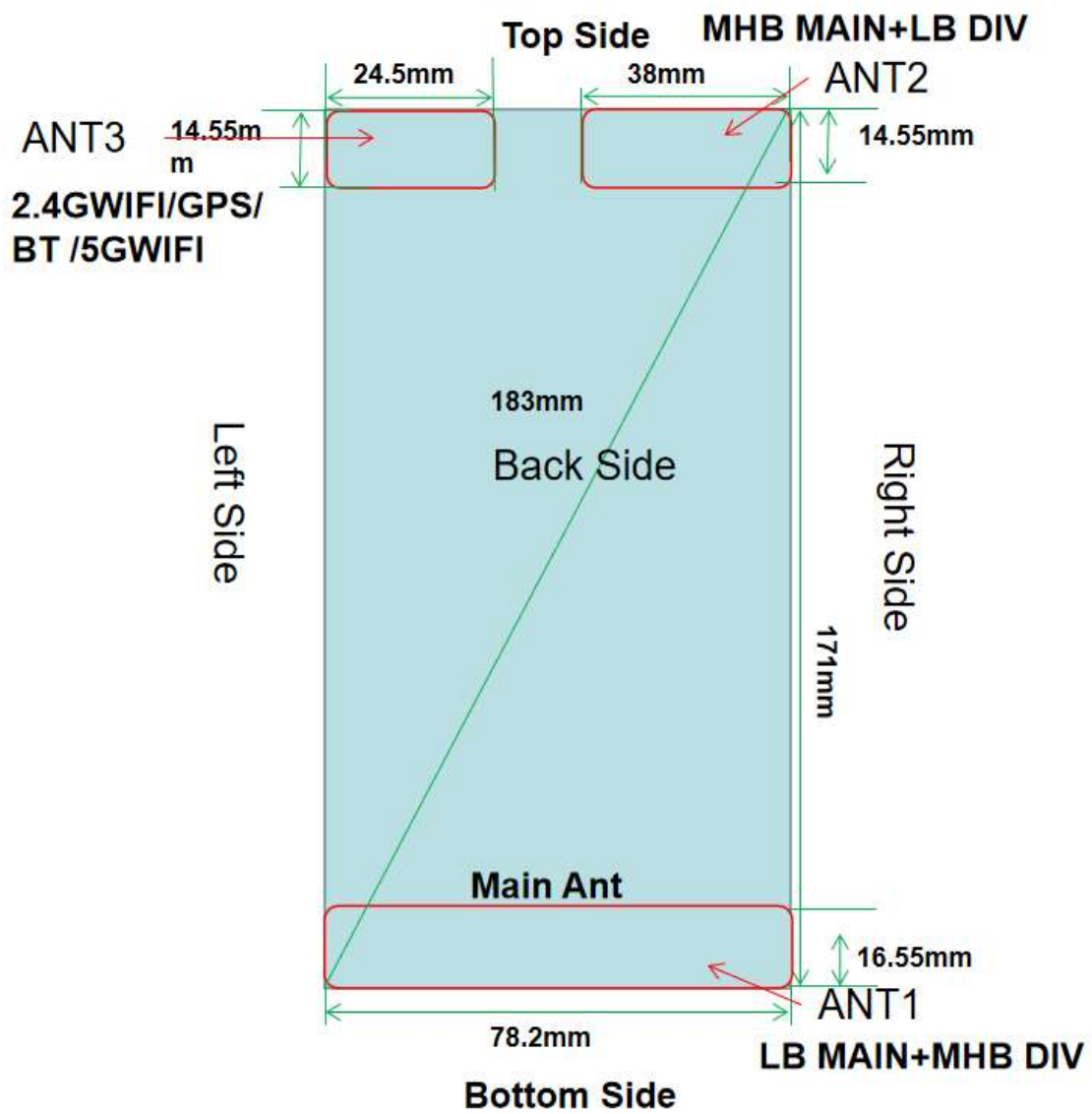
Name	Coosea Group Co.,Ltd.	
Address	10th Floor,	Tower 1,Foresea Life Center,Xingye Road, Bao'an District,Shenzhen
Contacts	XueMei Song	
Tel	15018501160	/
E-mail	songxuemei@cooseagroup.com	

2.2 Description of EUT(S)

Product Name	BL-C28-Antenna
Sample Model	
Antenna Type	PIFA Antenna
Serial No.	
Test Item	Gain; Radiation pattern
Frequency Range	617-2700 MHZ
Received Date	2025.8-30
Test Date	2025.8-30
Remark	

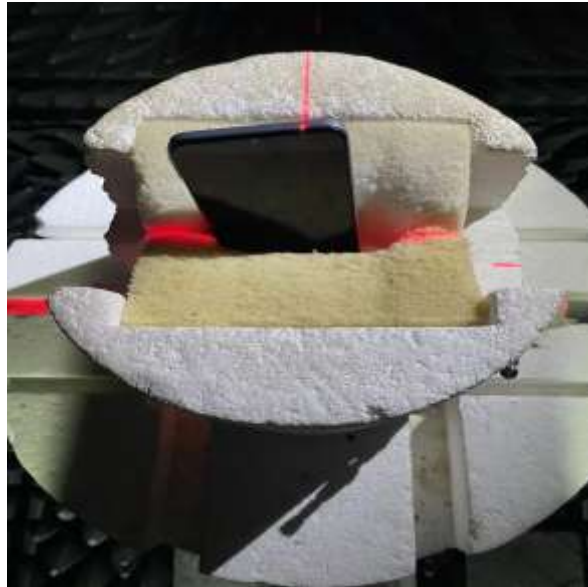
2.3 ANT Location

ANT1	2G:GSM TRX B5/8 ,DRX B2/3
	3G:WCDMA TRX B5/8,DRX B1/2/4
	4G:FDD TRX B5/8/12/13/17/28/71,DRX B1/2/3/4/7/66
ANT2	2G:GSM DRX B5/8 ,TRX B2/3
	3G:WCDMA DRX B5/8,TRX B1/2/4
	4G:FDD DRX B5/8/12/13/17/28/71,TRX B1/2/3/4/7/66
ANT3	GPSL1/WIFI2. 4G/BT/5GWIFI



2.4 DUT setup photo of free space OTA testing

Planforn



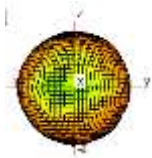
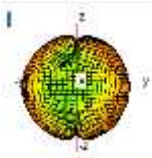
3.3 Test data

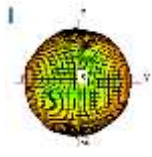
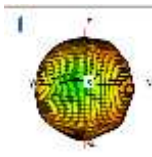
RF Antenna Gain

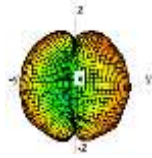
ANT Gain								
Antenna	Pattern	Gain(dBi)						
ANT1 TX	PIFA	B5	B8	B12	B13	B17	B28	B71
		-2.43	-2.52	-2.79	-2.67	-2.79	-2.79	-3.12
ANT2 TX	PIFA	B1	B2	B3	B4	B7	B66	
		-1.29	-1.28	-1.44	-1.44	-0.52	-1.44	
ANT3 TX	PIFA	GPS	WIFI-2.4G	BT	WIFI-5G			
		-0.53	-0.12	-0.12	0.34			

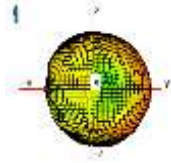
● **Radiation Pattern**

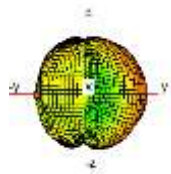
There is Radiation Pattern due to passive measurement with MTG chamber.

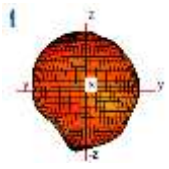
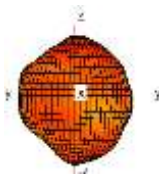
	700 MHz	
(Frequency Band)	B12	B17
3D Radiation Pattern		

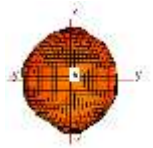
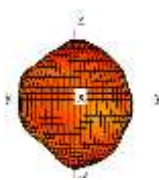
	700 MHz	
(Frequency Band)	B13	B28
3D Radiation Pattern		

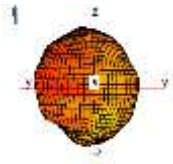
	600MHz	
(Frequency Band)	B71	
3D Radiation Pattern		

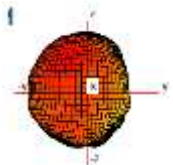
	800 MHz	
(Frequency Band)	B5	
3D Radiation Pattern		

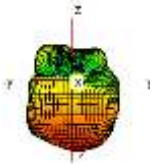
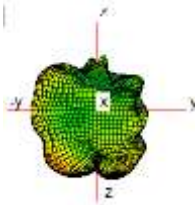
	900 MHz	
(Frequency Band)	B8	
3D Radiation Pattern		

	1700-2100 MHz	
(Frequency Band)	B4	B66
3D Radiation Pattern		

	1900 MHz	
(Frequency Band)	B2	B3
3D Radiation Pattern		

	2100MHz	
(Frequency Band)	B1	
3D Radiation Pattern		

	2500MHz-2700 MHz	
(Frequency Band)	B7	
3D Radiation Pattern		

	2.4GHz-5GHz	
(Frequency Band)	WiFi 2.45GHz	WIFI 5G
3D Radiation Pattern		

(Frequency Band)	1575 MHz
3D Radiation Pattern	