

Testing Report

Customer Name Coosea Group Co.,Ltd.

Product Name NU-E18

Specification FPC

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

Engineer: guanwei Date:2024.9-18

Auditor: guanwei Date:2024.9-18

Approver: machao Date:2024.9-18

Version No	Date	Description	Formulate	Approval
AO	2024.9-18	For the first time.		

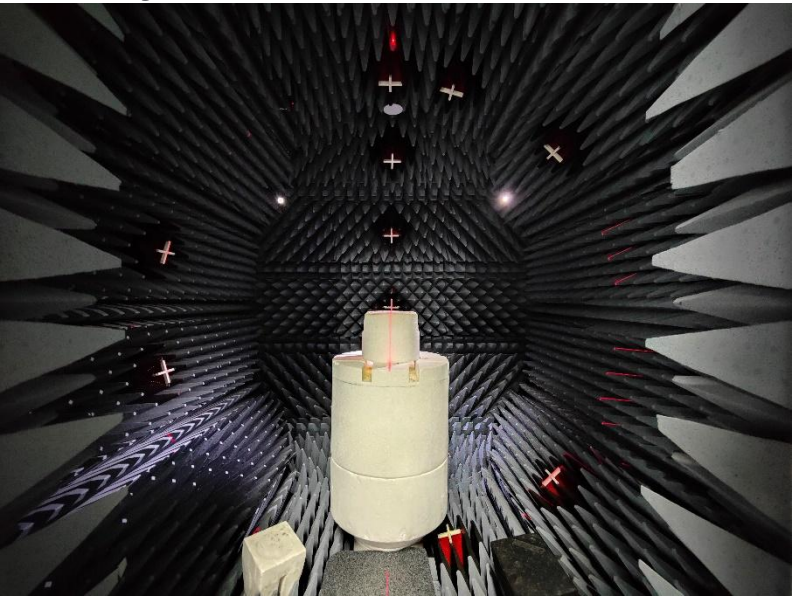
1.General Information

1.1 General information of testing institutions

Name	shenzhen Rui De Wireless Technical Limited Company
Address	3th Floor, Building T1, Lianjian Industrial Park,Huaxing Road, longhuadalang District,Shenzhen
Tel	18665886511
E-mail	guanwei@etheta.com.cn
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	2023.8.2	2024.8.1
Network Analyzer	E5071C	RFI-LAB-RF-A02	Agilent	2023.10.8	2024.10.7

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	9th Floor,	Tower 1,Foresea Life Center,Xingye Road, Bao'an District,Shenzhen
Contacts	Li jie Fu	
Tel	13418596234	/
E-mail	fulijie@cooseagroup.com	

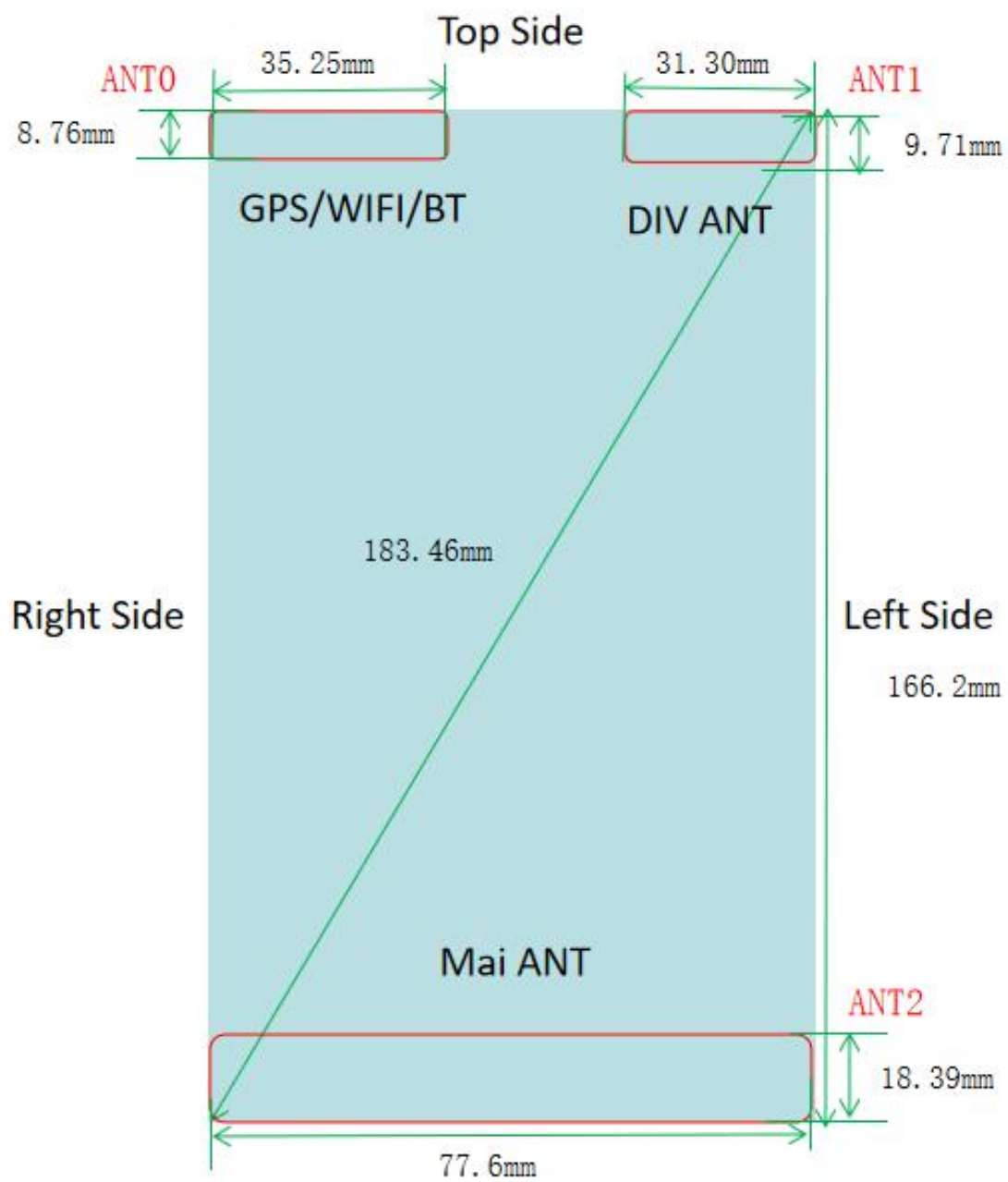
2.2 Description of EUT(S)

Product Name	E18-NUU-Antenna
Sample Model	
Antenna Type	PIFA Antenna
Serial No.	
Test Item	Gain; Radiation pattern
Frequency Range	617-2700 MHZ
Received Date	2024.9-18
Test Date	2024.9-18
Remark	

2.3 EUT appearance

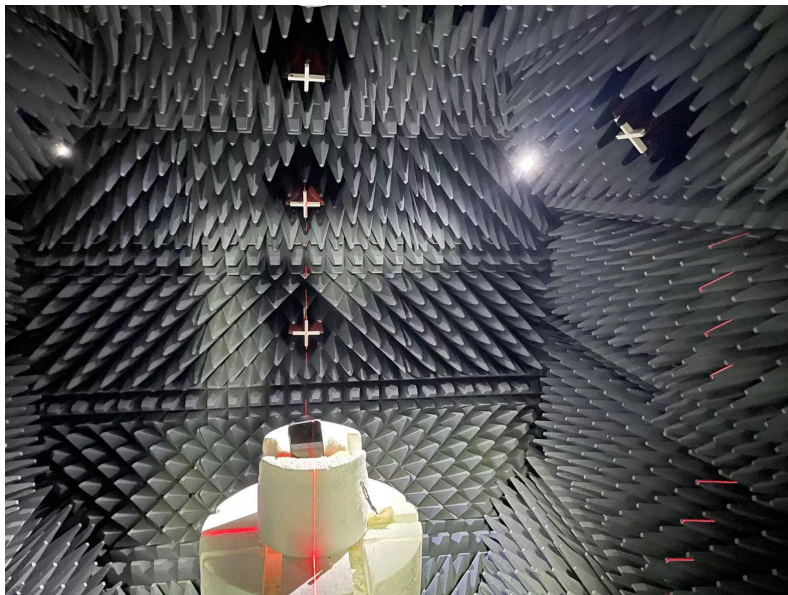
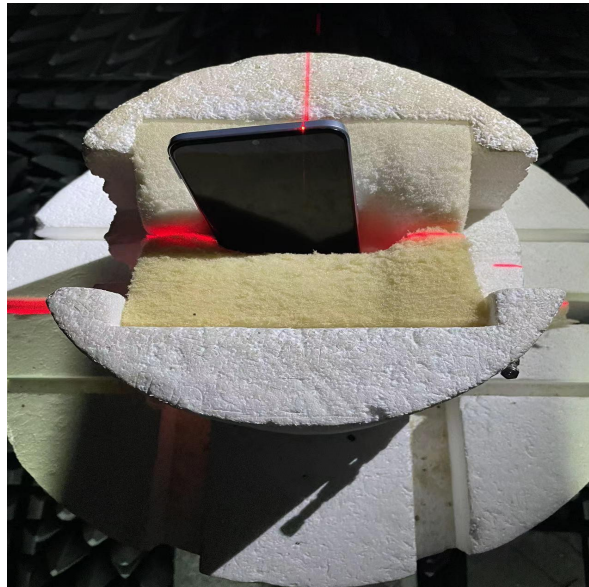


ANT0	GPSL1/WIFI2, 4G/WIFI5G/BT			
ANT1	2G:GSM	TRX B2/3,	DRX B5/8	
	3G:WCDMA	TRX B1/2/4,	DRX B5/8	
	4G:FDD	TRX B1/2/3/4/7/25/66, DRX B5/8/12/13/17/26/71		
ANT2	2G:GSM	DRX B2/3,	TRX B5/8	
	3G:WCDMA	DRX B1/2/4,	TRX B5/8	
	4G:FDD	DRX B1/2/3/4/7/25/66, TRX B5/8/12/13/17/26/71		



2.4 DUT setup photo of free space OTA testing

Planfonn



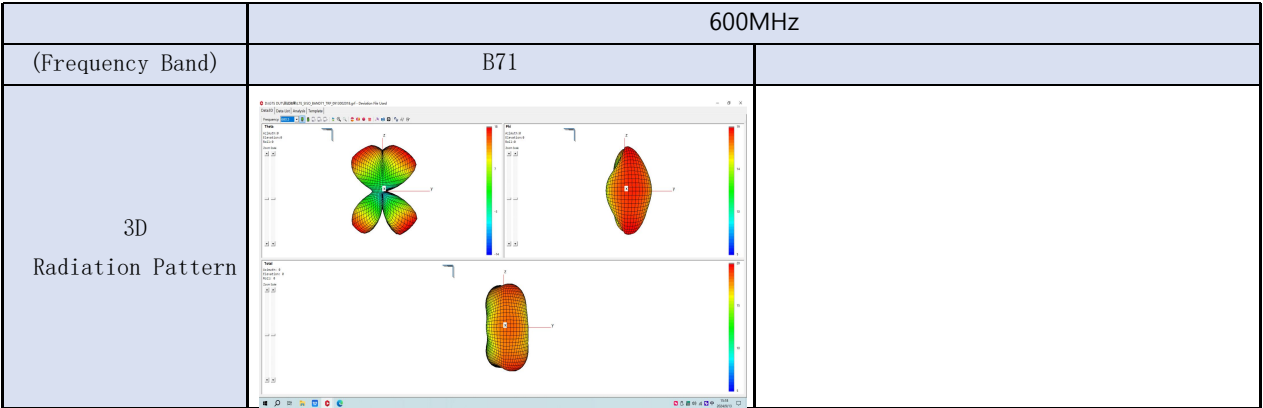
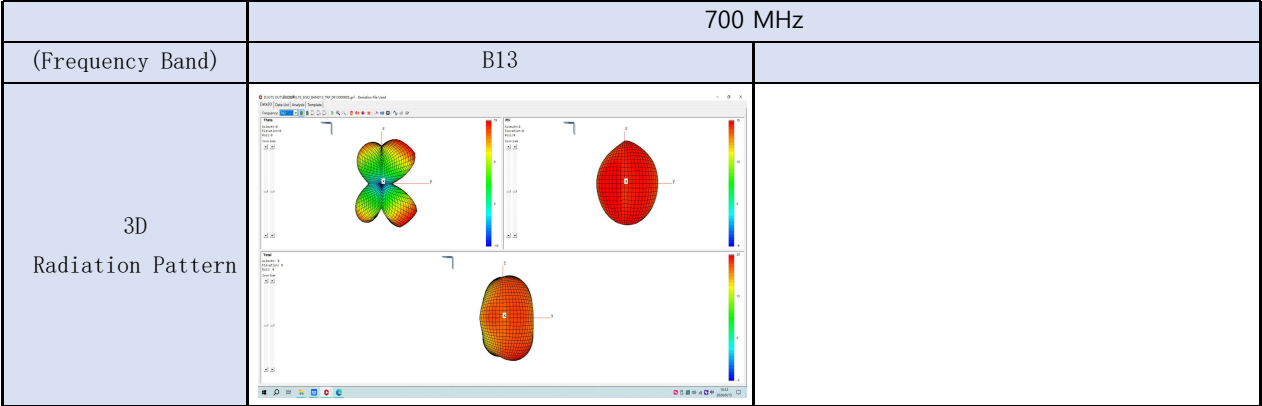
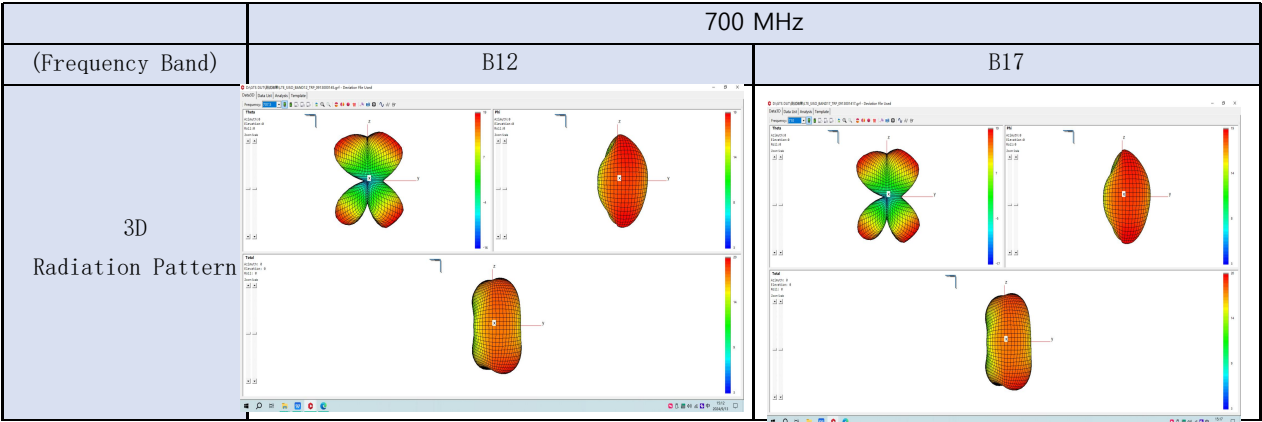
3.3 Test data

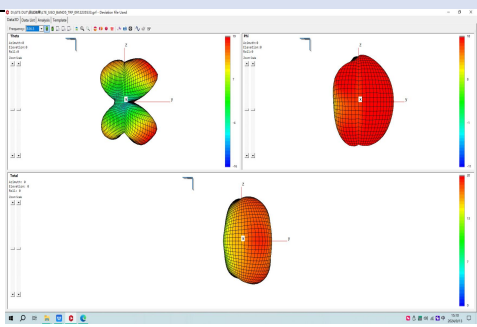
NU-E18
RF Antenna Gain

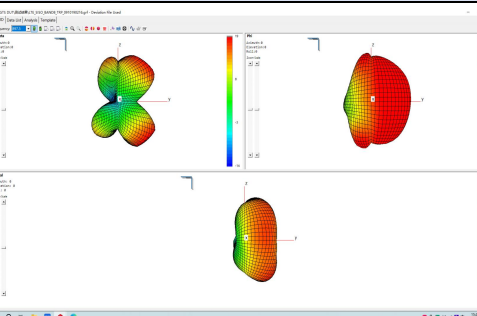
MU-E18-天线增益								
ANT	Pattern	Gain (dBi)						
ANT0 TX	PIFA	GPS	WIFI-2.4G	WIFI-5G				
		-1.2	-1.45	-1.4				
ANT1 TX	PIFA	B1	B2	B3	B4	B7	B25	B66
		-1.5	-1.7	-1.6	-1.6	-1.6	-1.7	-1.6
ANT2 TX	PIFA	B5	B8	B12	B13	B17	B26	B71
		-3.0	-3.2	-2.8	-2.7	-2.8	-3.0	-2.9

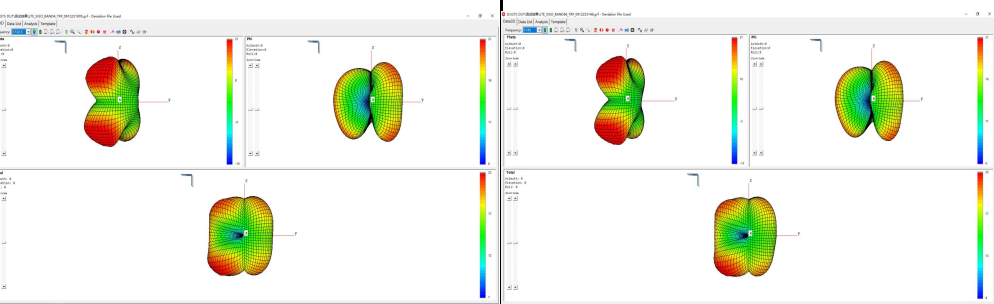
● Radiation Pattern

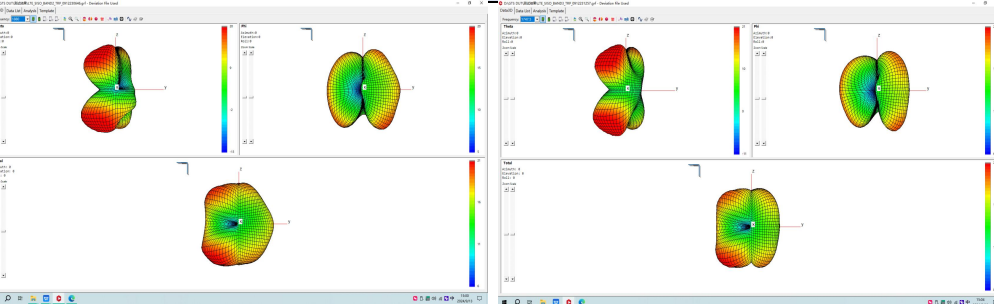
There is Radiation Pattern due to passive measurement with MTG chamber.

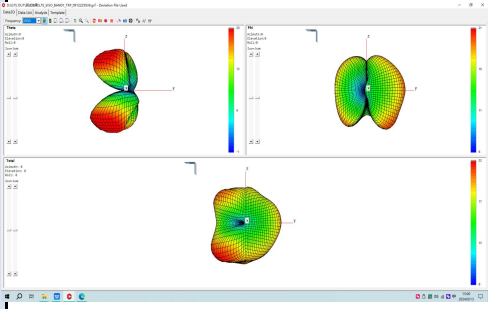


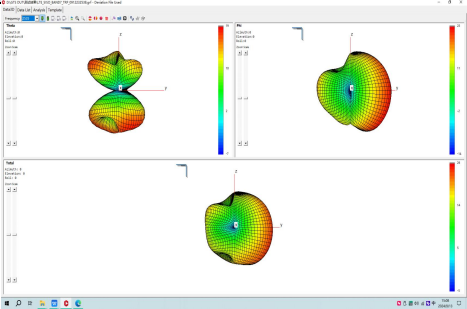
	800 MHz	
(Frequency Band)	B5	
3D Radiation Pattern		

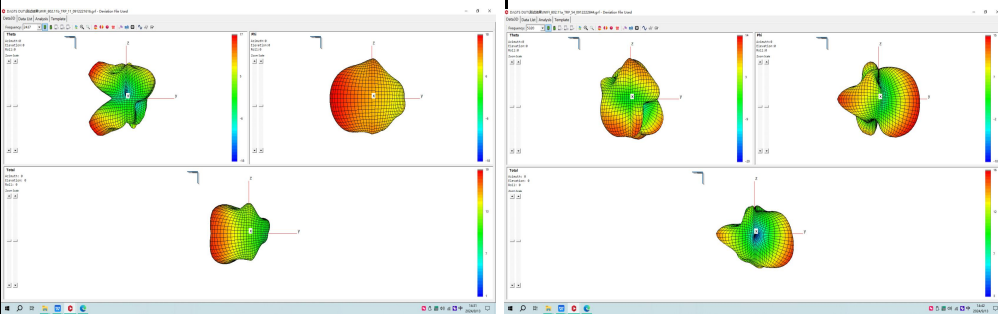
	900 MHz	
(Frequency Band)	B8	
3D Radiation Pattern		

	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		

	1575 MHz	
(Frequency Band)		
3D Radiation Pattern	