

# Testing Report

Customer Name Coosea Group Co.,Ltd.

Product Name K6528SLLA

Specification FPC

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

Engineer: Ruijie Xie Date:2022.12.2

Auditor: Yu Wang Date:2022.12.2

Approver: Lunkang Yan Date:2022.12.2

Version No.	Date	Description	Formulate	Approval
AO	2022.12.2	For the first time.	Haiyan zhang	Lunkang Yan

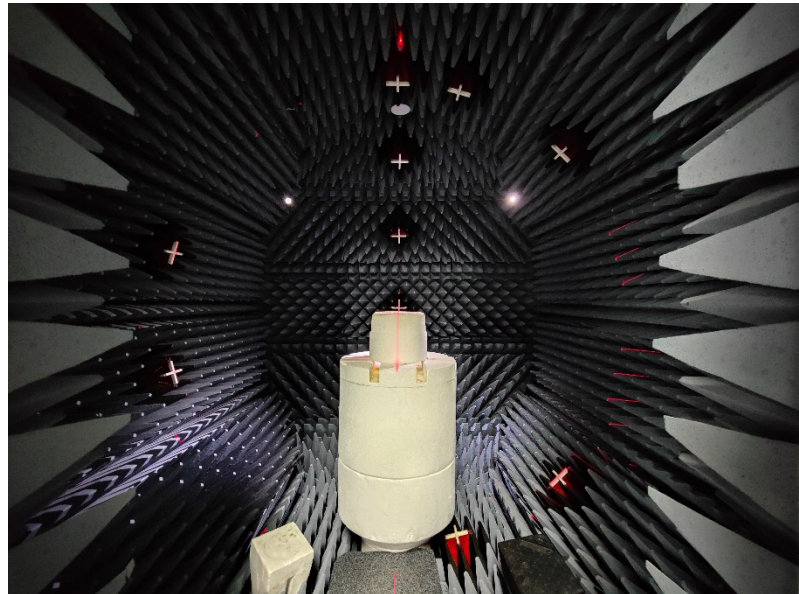
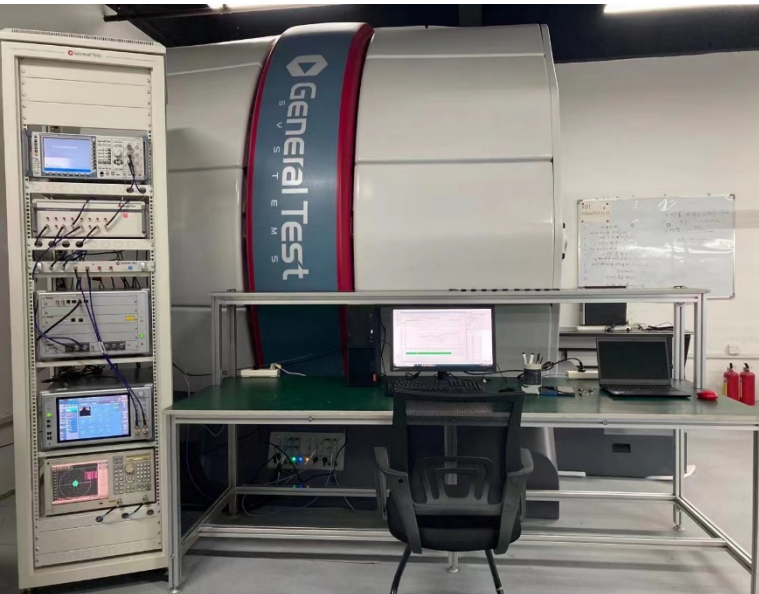
# 1.General Information

## 1.1 General information of testing institutions

Name Address	shenzhen Fu Bang Wireless Technical Limited Company 3th Floor, Building T1, Lianjian Industrial Park,Huaxing Road, longhuadalang District,Shenzhen
Tel	13691727201
E-mail	eting2007@163.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	2022.22	2023.3.21
Network Analyzer	E5071C	RFI-LAB-RF-A02	Agilent	2022.5.8	2023.5.7

### 1.4 Test environment

<b>Temperature</b>	24.6V
<b>Humidity</b>	59%RH
<b>Pressure</b>	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

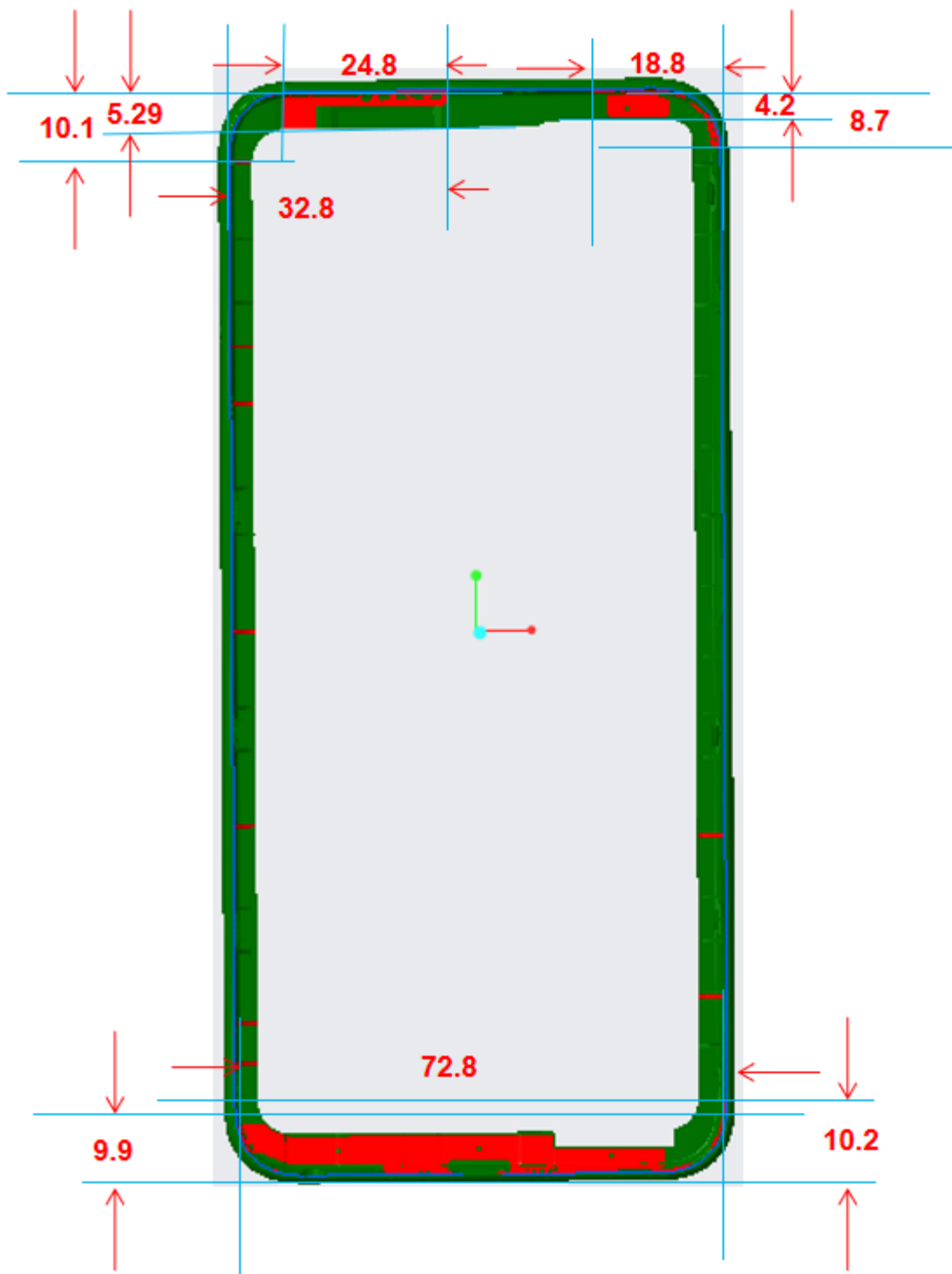
<b>Name</b>	Coosea Group Co.,Ltd.	
<b>Address</b>	9th Floor,	Tower 1,Foresea Life Center,Xingye Road, Bao'an District,Shenzhen
<b>Contacts</b>	Huang Feng	
<b>Tel</b>	15814626501	/
<b>E-mail]</b>	huangfeng@cooseagroup.com	

### 2.2 Description of EUT(S)

<b>Product Name</b>	K6528SLLA 4G-Antenna
<b>Sample Model</b>	
<b>Antenna Size</b>	10.2*72.8lmm
<b>Antenna Type</b>	PIFA Antenna
<b>Serial No.</b>	
<b>Test Item</b>	VSWR; Gain; Efficiency; Radiation pattern
<b>Frequency Range</b>	699-5800 MHZ
<b>Received Date</b>	2022.11.29
<b>Test Date</b>	2022.12.2
<b>Remark</b>	

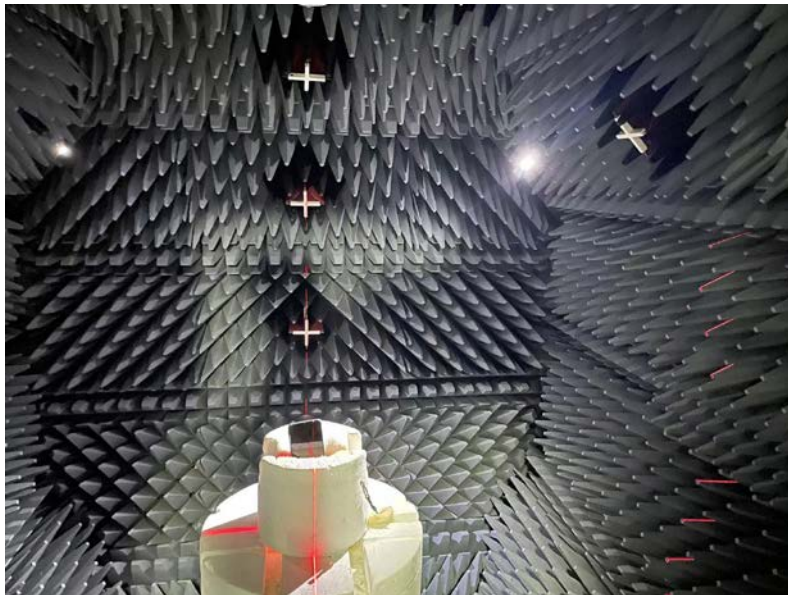
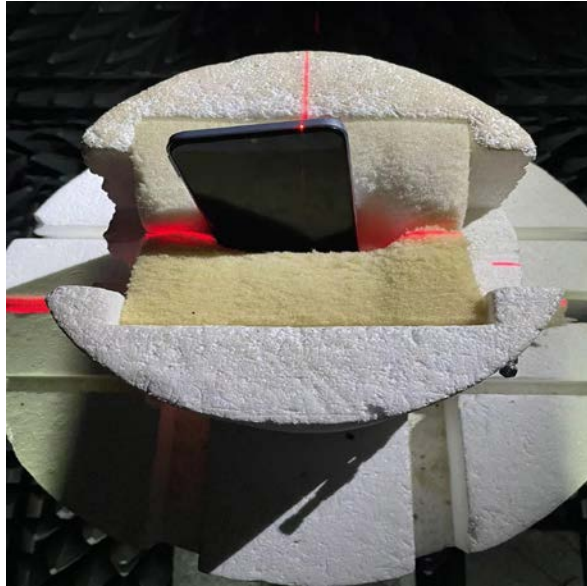
## 2.3 EUT appearance





## 2.4 DUT setup photo of free space OTA testing

Planfonn



3.3 Test data

## K6528SLLA 4G

# RF Antenna Gain

**Main Antenna: TX**

**GSM B2/3/5/8**

**W B1/2/4/5/8**

**LTE B1/2/3/4/5/7/8/12/17/28/66**

-Manufacturer :FuBang

Main Antenna	Band	GSM B2	GSM B3	GSM B5	GSM B8
	Peak gain (dBi)	-2.3	-2.2	-2.5	-2.6
	Efficiency(%)	31	33	26	25

Main Antenna	Band	W B1	W B2	W B4	W B5	W B8
	Peak gain (dBi)	-2.1	-2.3	-2.2	-2.5	-2.6
	Efficiency(%)	35	31	33	26	25

Main Antenna	Band	LTE B1	LTE B2	W B3	LTE B4	LTE B5	LTE B7
	Peak gain (dBi)	-2.1	-2.3	-2.2	-2.2	-2.5	-2
	Efficiency(%)	35	31	33	33	26	38

Main Antenna	Band	LTE B8	LTE B12	W B17	LTE B28	LTE B66
	Peak gain (dBi)	-2.6	-2.8	-2.7	-2.7	-2.2
	Efficiency(%)	25	22	24	24	33

**WBG: GPS/WiFi/BT**

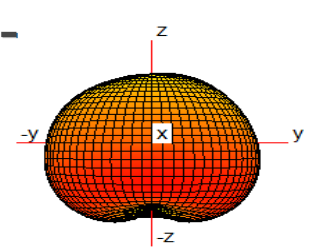
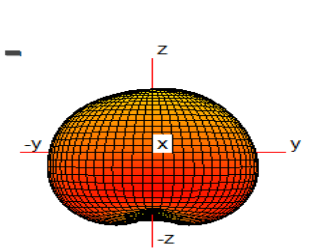
-Manufacturer : FUBang

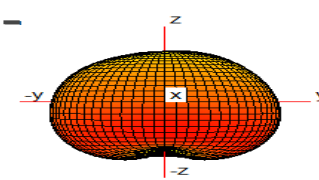
WBG	Band	Wifi 2.4G	Wifi 5G	GPS
	Peak gain (dBi)	-1.5	-1.5	-1.2
	Efficiency/%	35	30.6	31.8

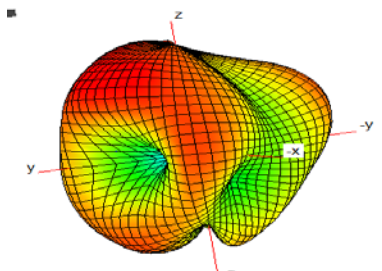


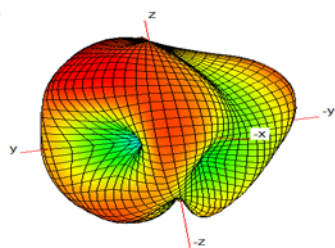
## ● Radiation Pattern

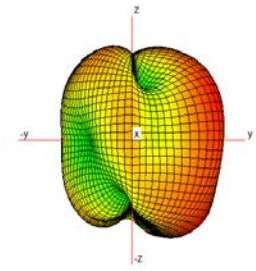
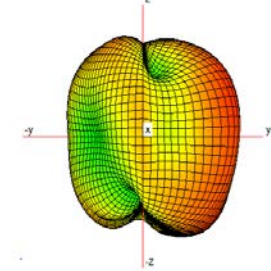
There is Radiation Pattern due to passive measurement with MTG chamber.

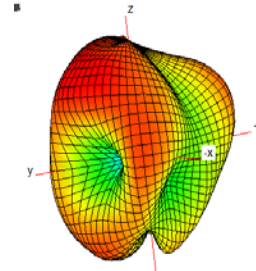
	700 MHz	
(Frequency Band)	B12	B17
3D Radiation Pattern		

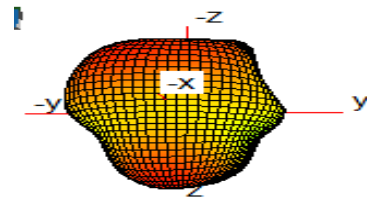
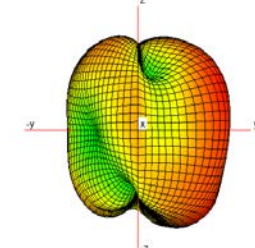
	700 MHz
(Frequency Band)	B28
3D Radiation Pattern	

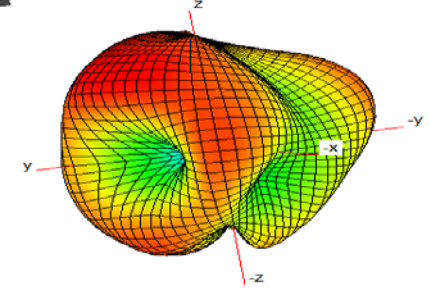
	800MHz
(Frequency Band)	B5
3D Radiation Pattern	

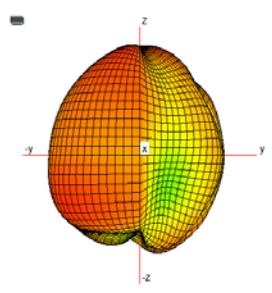
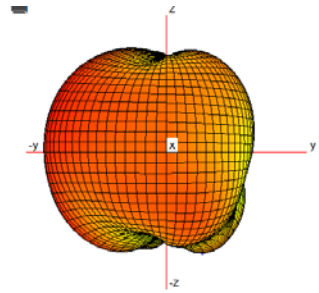
	900MHz	
(Frequency Band)	B8	
3D Radiation Pattern		

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

	1900 MHz
(Frequency Band)	B2
3D Radiation Pattern	

	2100MHz	1700-2100MHz
(Frequency Band)	B1	B3
3D Radiation Pattern		

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

	2.4GHz-5GHz	
(Frequency Band)	WiFi 2.45GHz	WiFi 5.8 GHz
3D Radiation Pattern		

(Frequency Band)	1575 MHz
3D Radiation Pattern	