

PK-C27 Antenna

Specifications

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1.1 Antenna type

Internal antenna

1.2 Gain

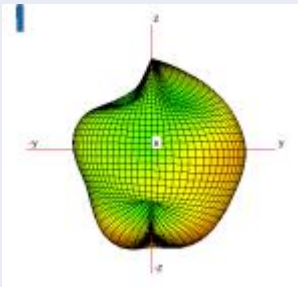
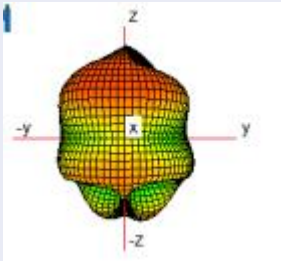
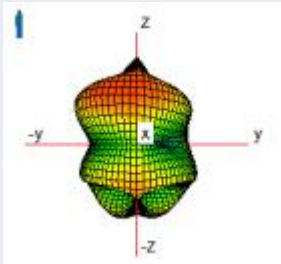
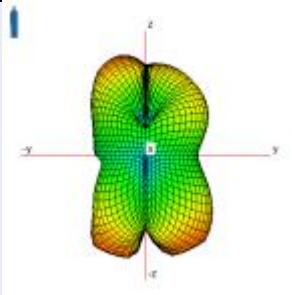
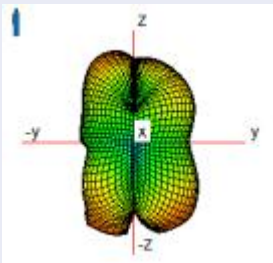
WIFI

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
WIFI2.4G	1920-2170	-1.63	0.3	ANT3
WIFI5G	5150-5250	-2.55	-0.23	ANT3
WIFI5G	5250-5350	-2.21	0.38	ANT3
WIFI5G	5470-5725	-2.07	0.47	ANT3
WIFI5G	5725-5850	-1.79	0.53	ANT3

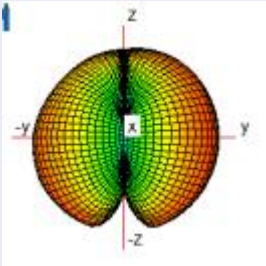
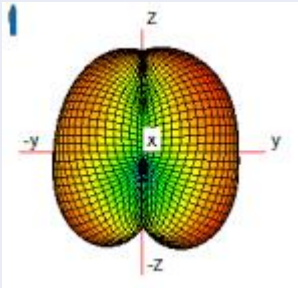
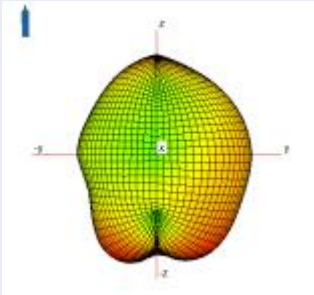
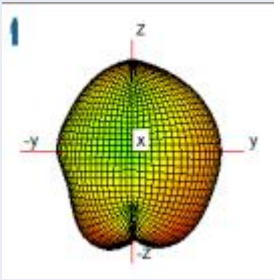
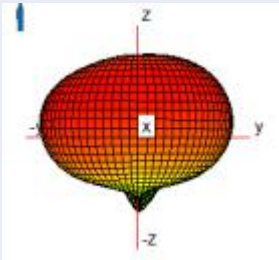
LMHB

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
850/W5/B5/B26	824-894	-4.93	-2.53	ANT1
900/W8/B8	880-960	-4.77	-2.25	ANT1
1800/W4/B3/B4/B66	1710-1880	-3.06	-1.39	ANT1
1900/W2/B2/B25	1850-1990	-3.48	-1.57	ANT1
B7	1920-2170	-1.99	-0.87	ANT1
B12/B17/B28	700-800	-6.41	-3.12	ANT1
B13	750-790	-5.99	-2.89	ANT1
B30	2570-2620	-1.12	-0.39	ANT1
B38	2570-2620	-1.65	-0.65	ANT1
B41	2500-2690	-1.53	-0.57	ANT1
B71	617-700	-6.64	-3.39	ANT1

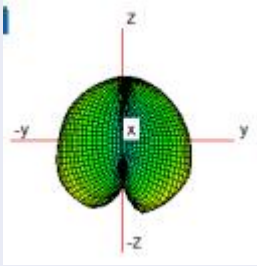
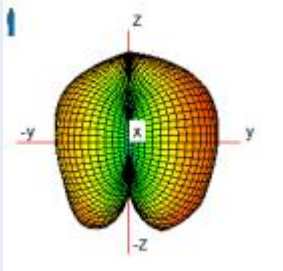
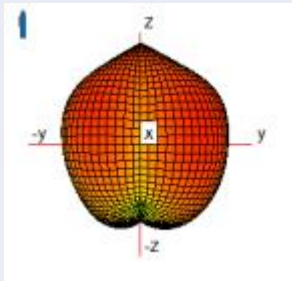
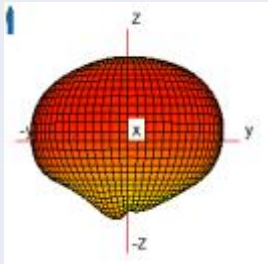
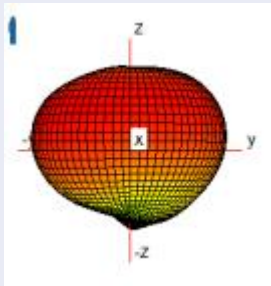
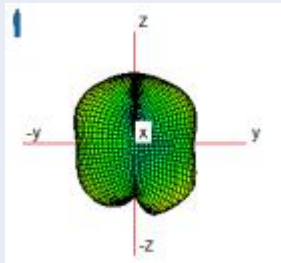
1.3 Radiation Pattern

	2.4G/5G
WIFI 2.4G /BT	
WIFI 5G /B1 (5150-5250MHZ)	
WIFI 5G /B2 (5250-5350MHZ)	
WIFI 5G /B3 (5470-5725MHZ)	
WIFI 5G /B4 (5725-5850MHZ)	

1.3 Radiation Pattern

	LMHB
850/W5/B5/B26	
900/W8/B8	
1800/W4/B3/B4/B66	
1900/W2/B2/B25	
B7	

1.3 Radiation Pattern

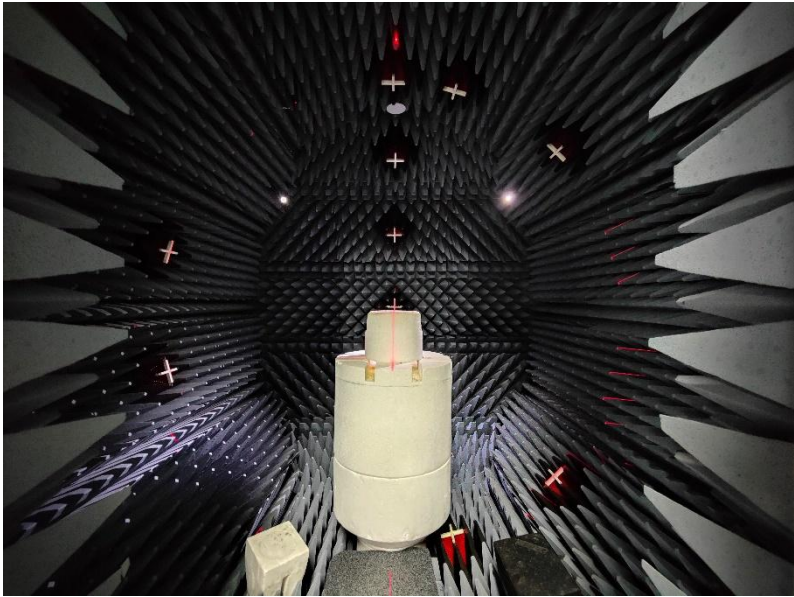
	LMHB
B12/B17/B28	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is green, indicating low intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.
B13	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is green, indicating low intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.
B30	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is red, indicating high intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.
B38	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is red, indicating high intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.
B41	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is red, indicating high intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.
B71	 A 3D radiation pattern plot showing a dumbbell shape oriented along the z-axis. The pattern is green, indicating low intensity, with a small blue vertical bar on the left. The axes are labeled x, y, z, -x, -y, -z.

3 Antenna description

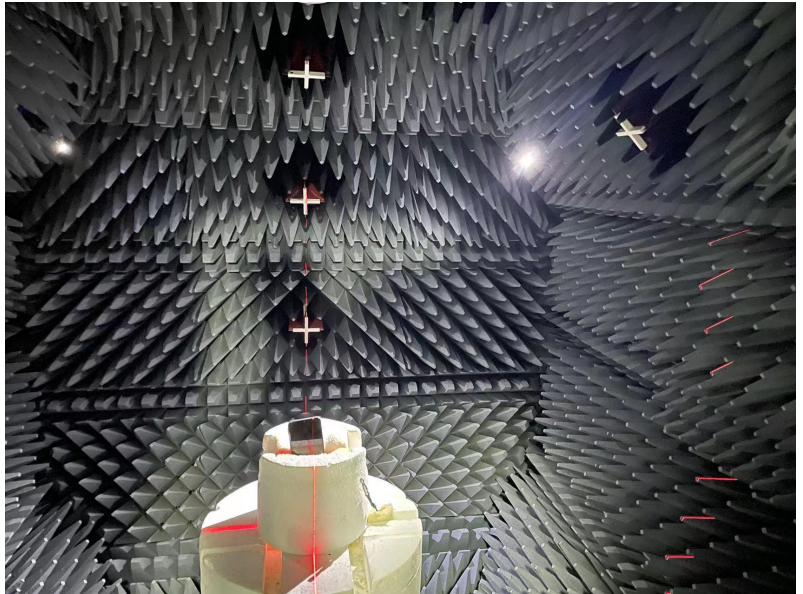
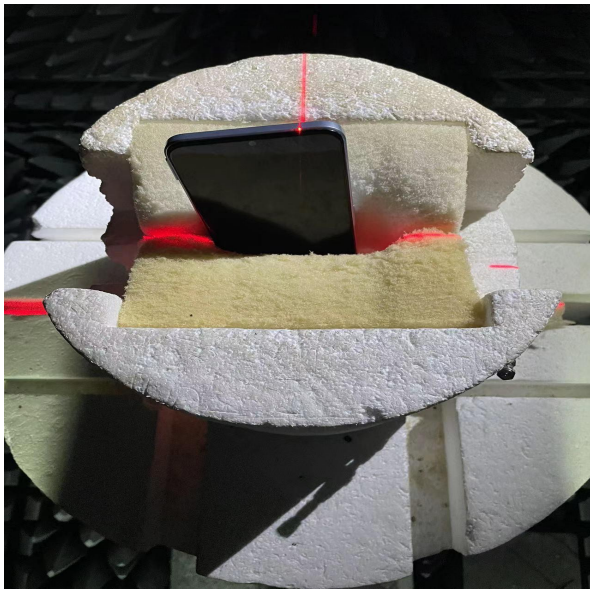
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing



5 Manufacturer

Name	shenzhen Fu Bang Wireless Technical Limited Company
Address	3th Floor, Building T1, Lianjian Industrial Park,Huaxing Road, longhuadalang District,Shenzhen
Tel	13691727201
E-mail	eting2007@163.com
Equipment	GTS2800

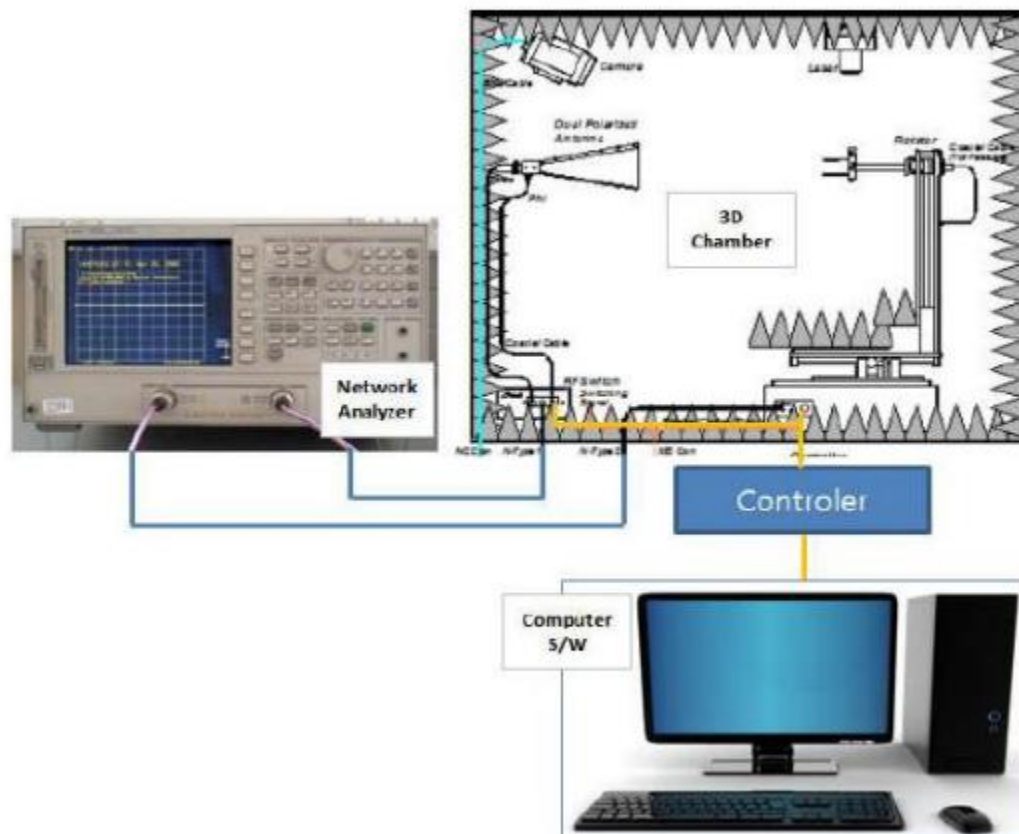
2 Test Condition

2.1 Test Environment (Condition/Method Radiation & Gain

Step 1. Calibrate the Chamber system using Horn antenna, and set up the software to control the Chamber system at the same time.

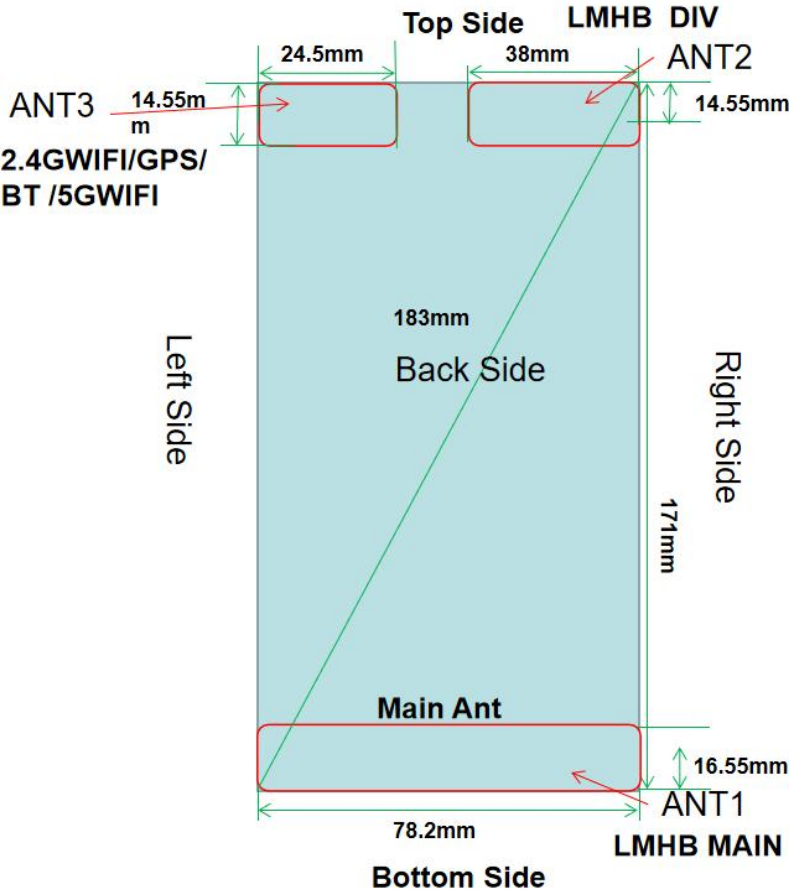
Step 2. Keep the measuring antenna to holder.

Step 3. Measure Gain & efficiency.

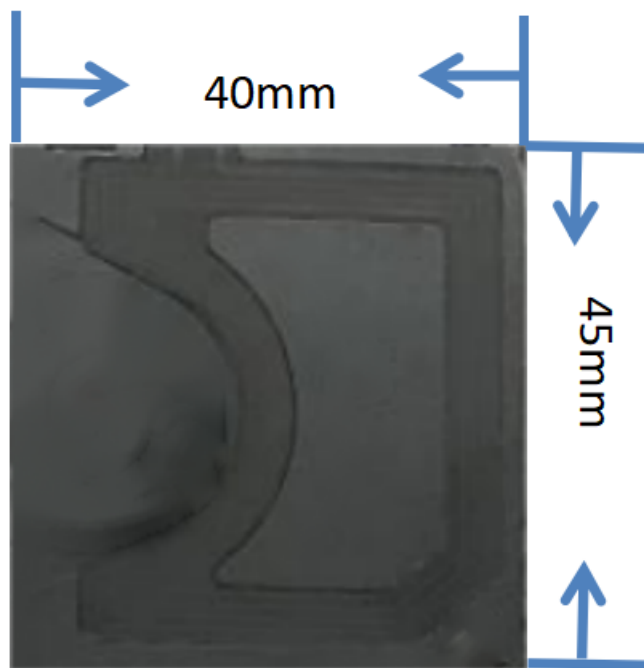


Model Name	PK-C27	Coosea Group Co.,Ltd.	Fu Bang	Part Number	ALDMARG
Revision	1.0			Revision date	2025-11-5

5.1. Antenna Location and Size



5.2 NFC Antenna



频率 (MHz)	13.56
阻抗	49.01 Ω