

PK-C28 Antenna

Specifications

► Contents ◀

1.Passive Data

1.1 Antenna type

1.2 Gain

1.3 Radiation Pattern

2 Test Condition

2.1 Test Environment (Condition/Method)

3 Antenna Description

4 List of Measuring Equipment

5 Manufacturer

5.1. Antenna Location and Size

1.1 Antenna type

PIFA antenna

1.2 Gain

WIFI

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
WIFI2.4G	2400-2500	-2.73	-0.12	ANT3
WIFI5G	5150-5250	-3.05	-0.34	ANT3
WIFI5G	5250-5350	-2.98	-0.26	ANT3
WIFI5G	5470-5725	-2.71	-0.15	ANT3
WIFI5G	5725-5850	-1.88	0.21	ANT3

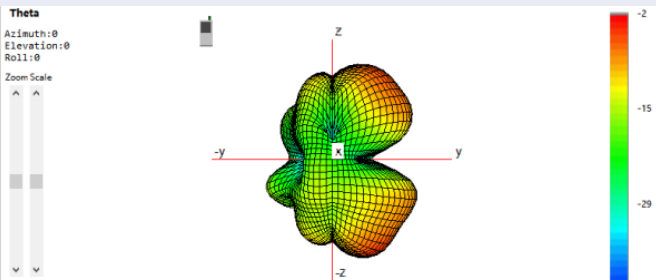
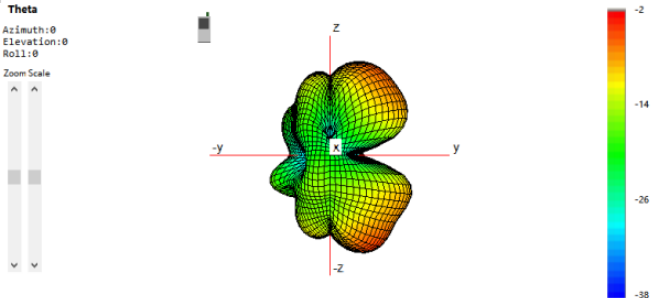
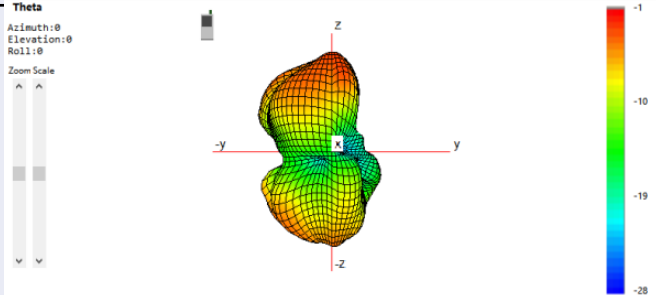
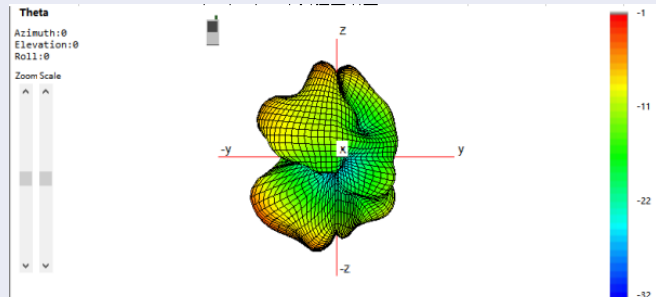
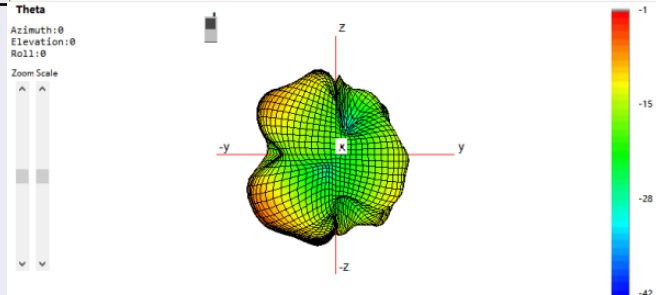
LMHB

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
850/W5/B5/B26	824-894	-4.89	-2.43	ANT1
900/W8/B8	880-960	-5.02	-2.52	ANT1
1800/W4/B3/B4/B66	1710-1880	-3.18	-1.44	ANT1
1900/W2/B2/B25	1850-1990	-2.96	-1.28	ANT1
W1/B1	1920-2170	-3.05	-1.29	ANT1
B7/B41	2500-2690	-1.38	-0.52	ANT1
B12/B17/B28	700-800	-5.97	-2.79	ANT1
B13	750-790	-5.82	-2.67	ANT1
B38	2570-2620	-1.23	-0.49	ANT1
B71	617-700	-6.25	-3.12	ANT1

1.3 Radiation Pattern

	2.4G/5GWIFI
WIFI 2.4G /BT	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
WIFI 5G /B1 (5150-5250MHZ)	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
WIFI 5G /B2 (5250-5350MHZ)	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
WIFI 5G /B3 (5470-5725MHZ)	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
WIFI 5G /B4 (5725-5850MHZ)	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale

1.3 Radiation Pattern

	LMHB
850/W5/B5/B26	 Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
900/W8/B8	 Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
1800/W4/B3/B4/B66	 Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
1900/W2/B2/B25	 Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale
W1/B1	 Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale

1.3 Radiation Pattern

	LMHB
B7/B41	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale z -y x y -z 0 -9 -19 -28 -2 -16 -29 -43
B12/B17/B28	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale z -y x y -z -2 -15 -27 -40
B13	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale z -y x y -z 0 -16 -31 -47
B38	Theta Azimuth:0 Elevation:0 Roll:0 Zoom Scale z -y x y -z -3 -14 -26 -37
B71	

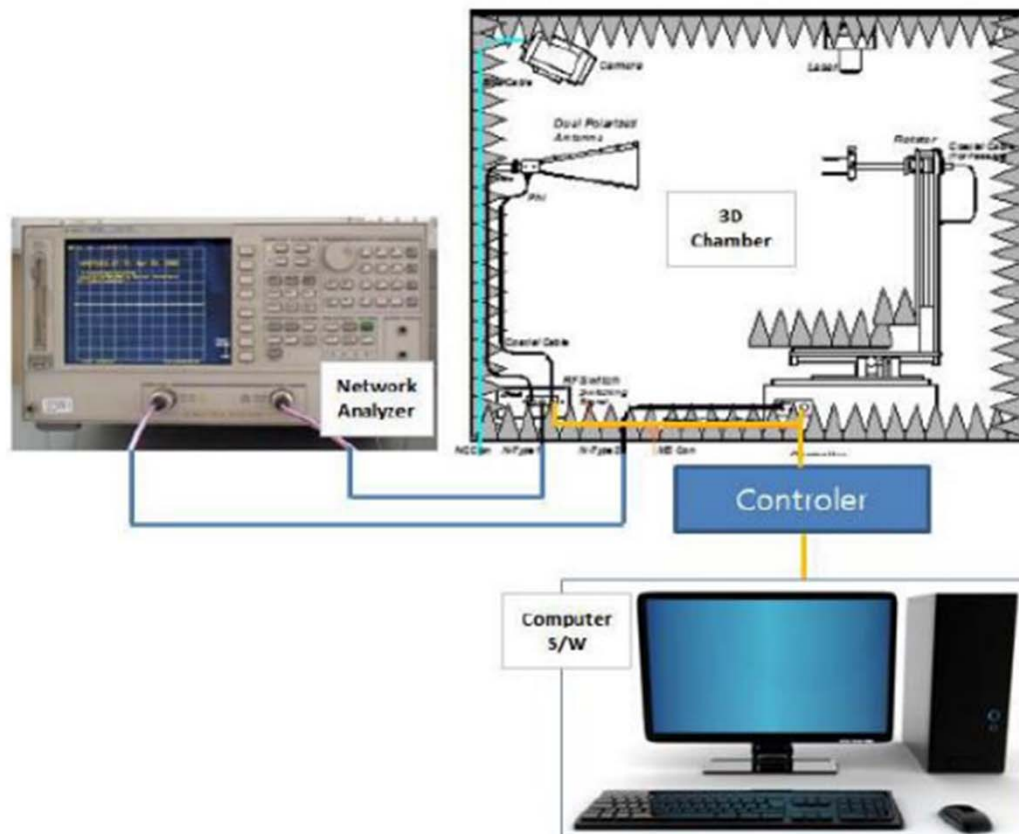
2 Test Condition

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.

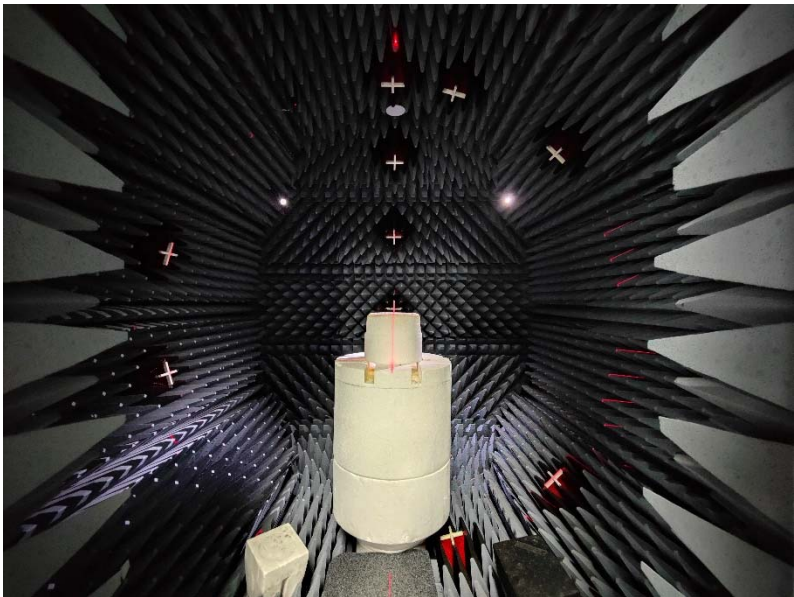
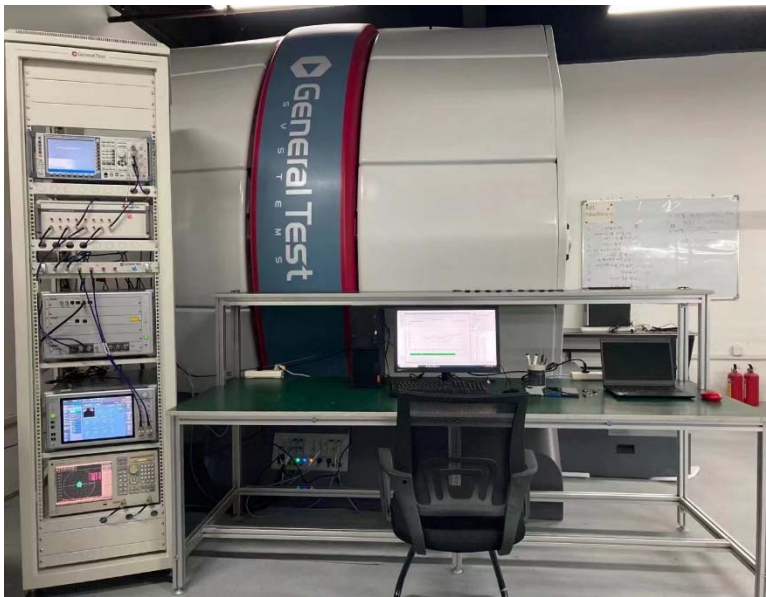


3 Antenna description

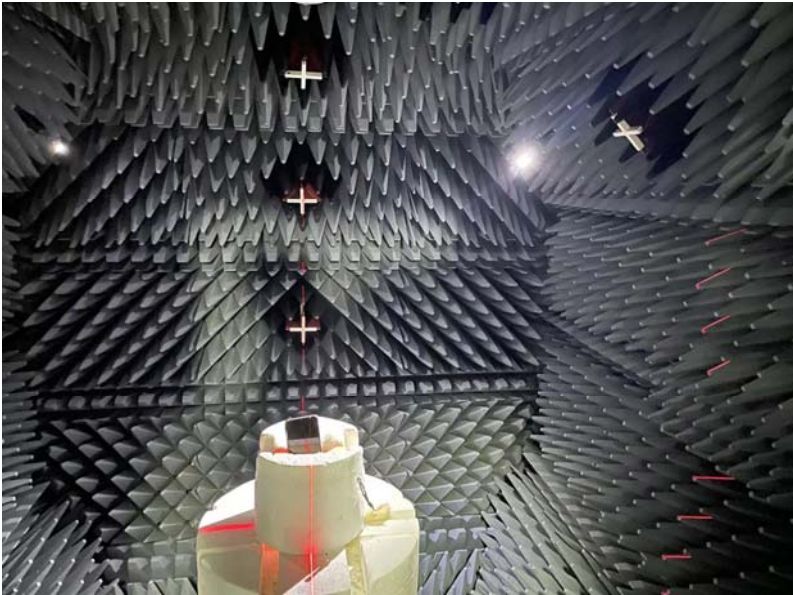
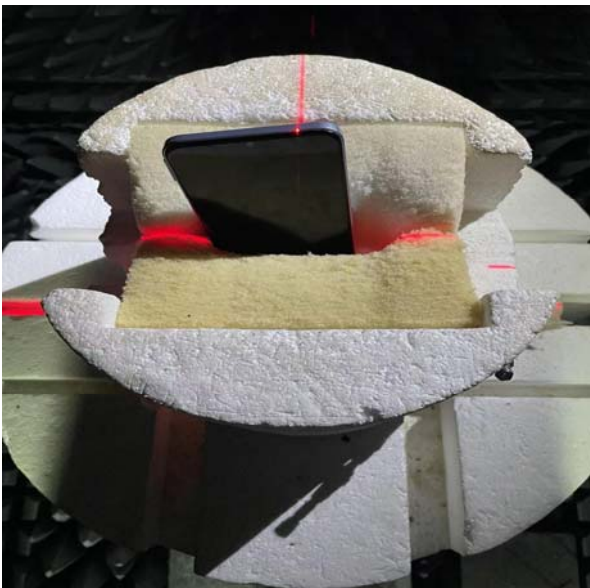
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing

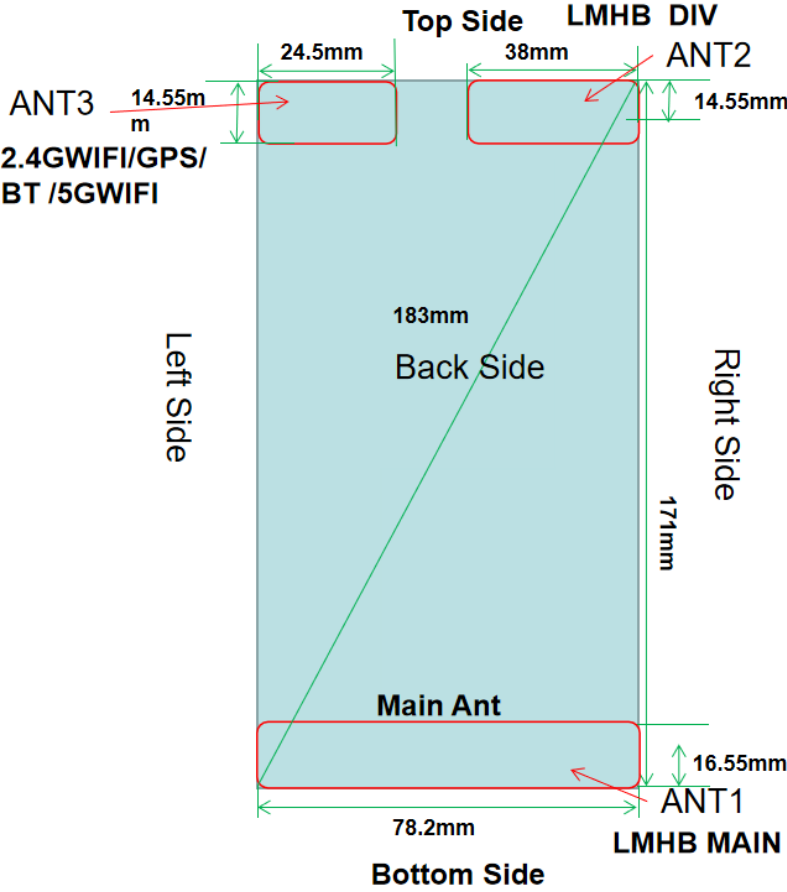


5

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Equipment	GTS2800

Model Name	PK-C28	Coosea Group Co.,Ltd.	HamyWe	Part Number	ALDMARG
Revision	1.0			Revision date	2025-10-24

5.1. Antenna Location and Size



ANT1:LMHB MAIN



ANT2:LMHB DIV



ANT3:2.4GWIFI/GPS/BT/5GWIFI

