

KL-S50 Antenna

Specifications

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1.1 Wifi Antenna

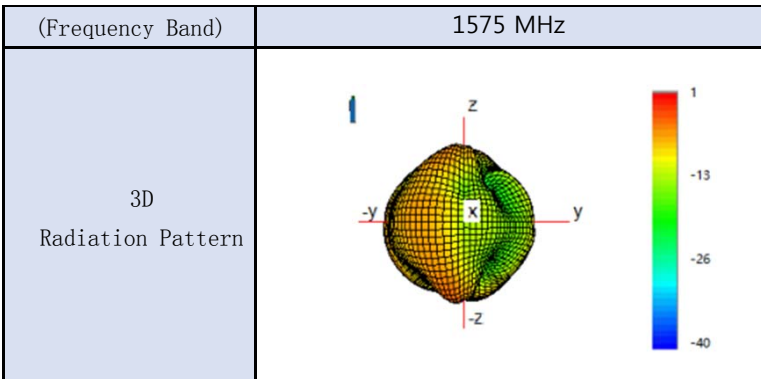
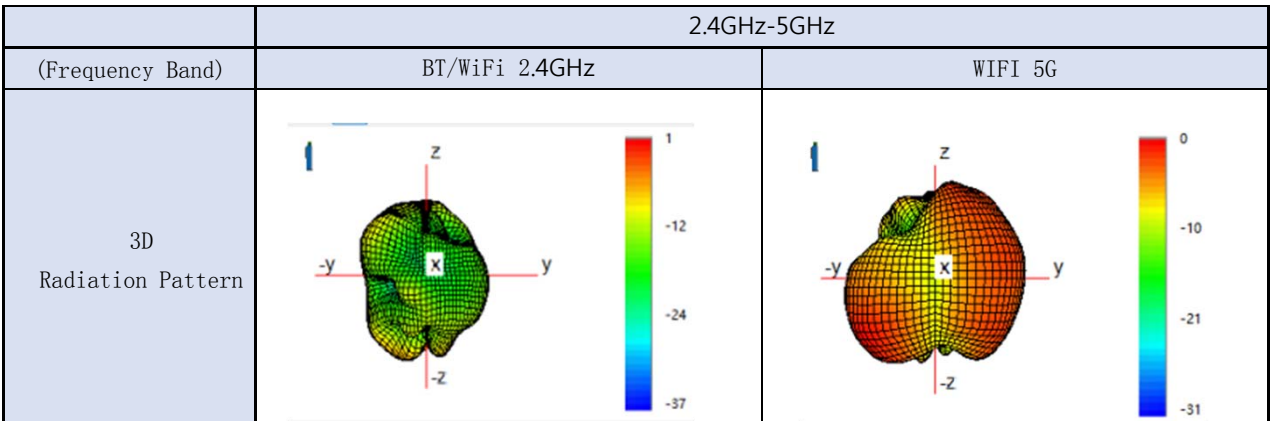
1.1.1 Antenna type

Internal antenna

1.1.2 Gain

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
WIFI2. 4G/BT	2402-2480	1. 1	1. 62	ANT0
WIFI5G	5150-5850	-0. 5	0. 49	ANT0
GPS	1575	0. 36	1. 0	ANT0

1.1.3 Radiation Pattern



1.2 Cellular Antenna

1.2.1 Antenna type

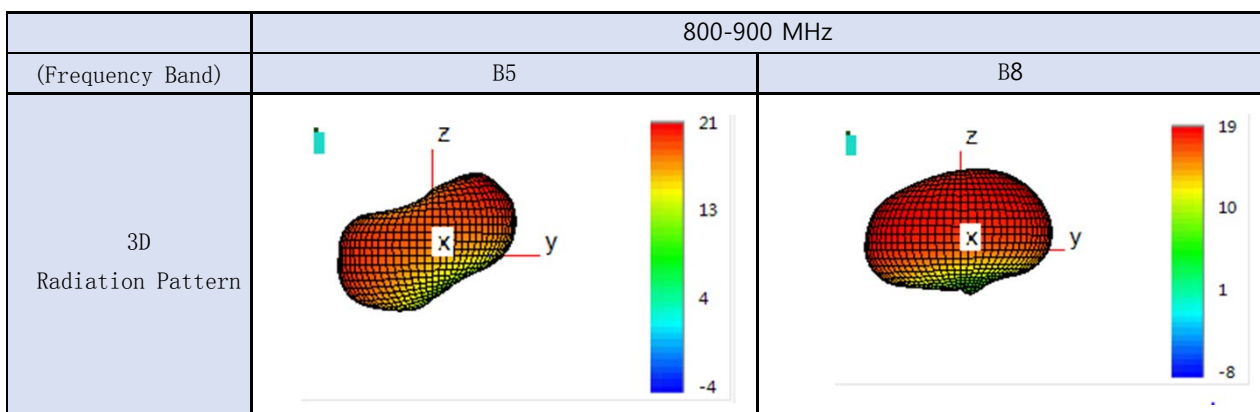
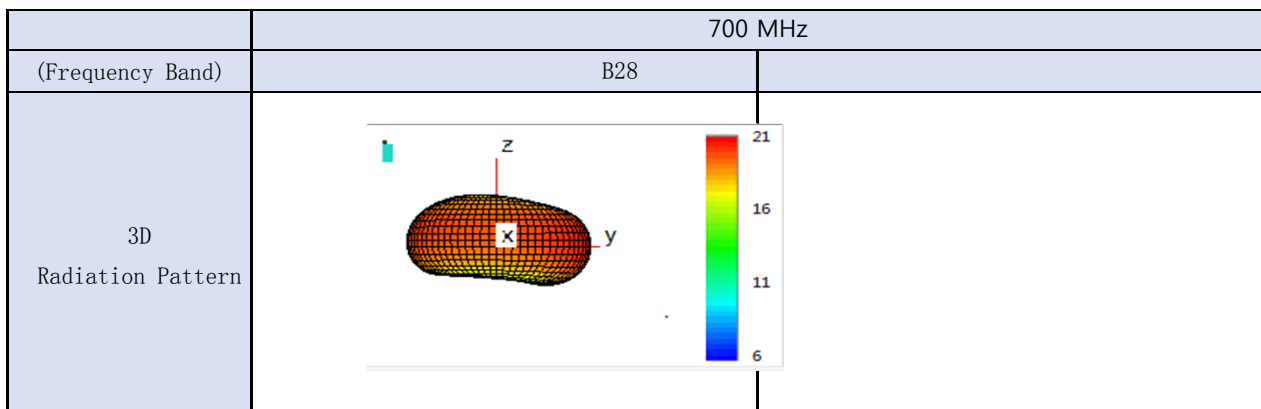
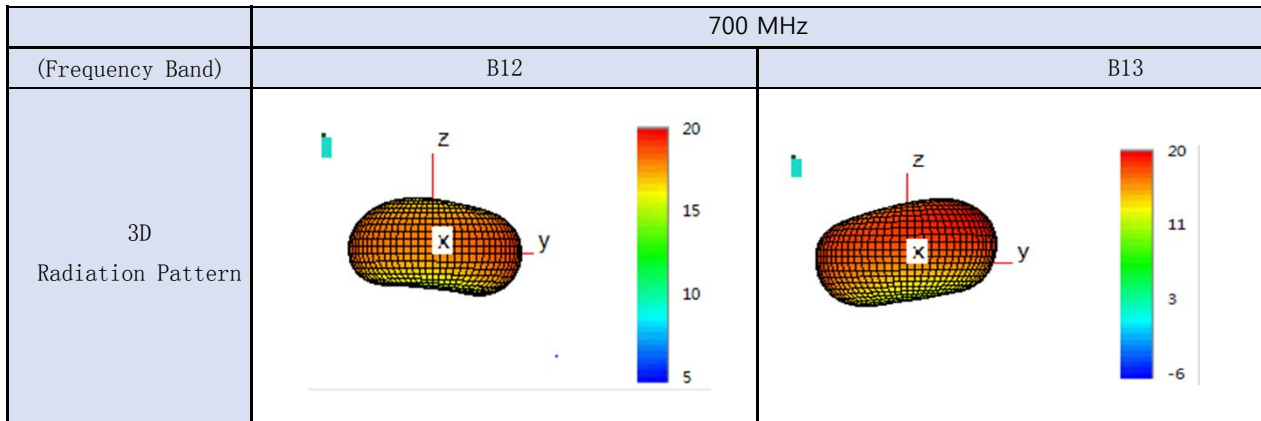
Internal antenna

1.2.2 Gain

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
B1/N1	1920-2170	-1.6	-1.26	ANT2
B2	1850-1995	-1.5	-0.2	ANT2
B3	1710-1880	-1.5	-1.2	ANT2
B4/66/N66	1710-2180	-1.5	-1.2	ANT2
B5	824-894	-3.4	-2.6	ANT5
B7/41/N7/38	2500-2690	-1.3	0.1	ANT3
B8	880-960	-2.6	-1.8	ANT5
B12	699-746	-3.2	-2.7	ANT5
B13	746-787	-3.0	-2.8	ANT5
B28	703-803	-3.4	-2.7	ANT5
B40/N40	2300-2400	-1.2	0.3	ANT2
N78	3300-3800	0.19	0.85	ANT4

● Radiation Pattern

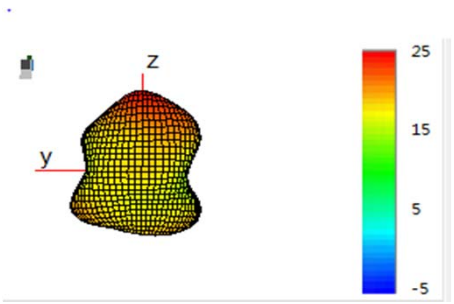
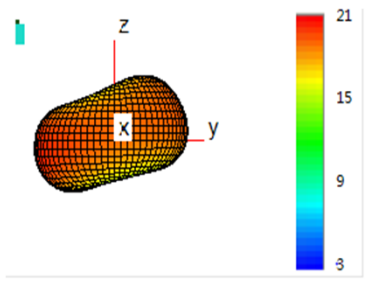
There is Radiation Pattern due to passive measurement with MTG chamber.

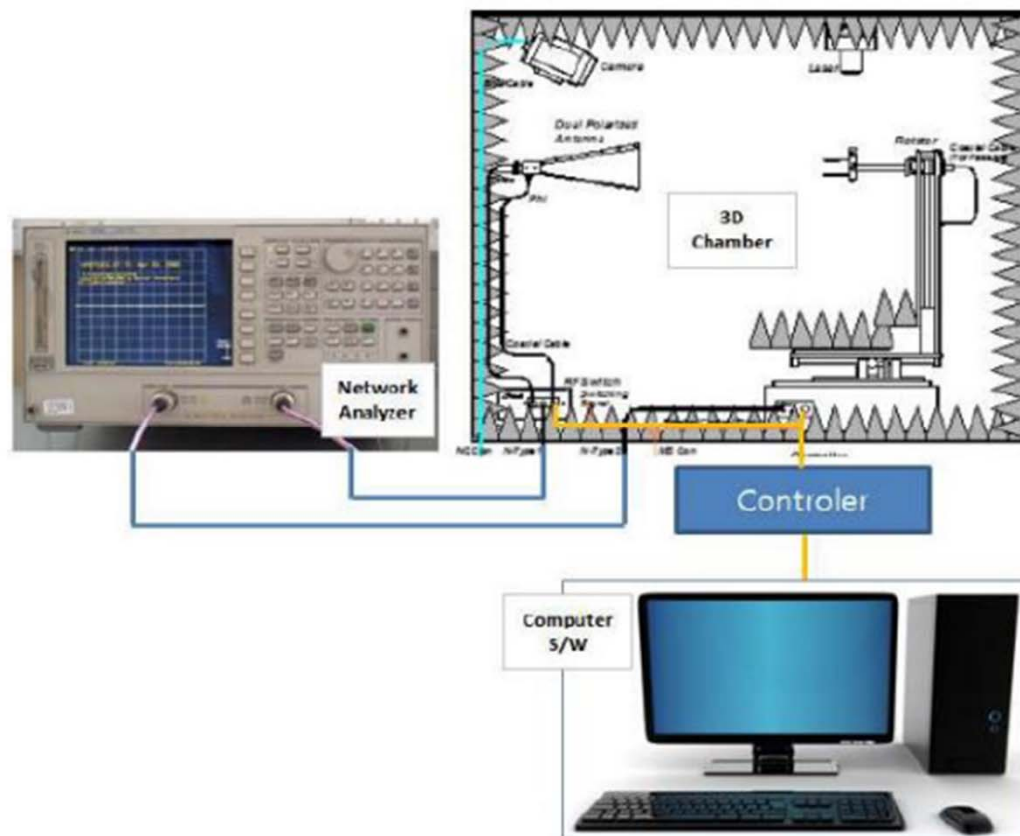


	2100MHz	
(Frequency Band)	B1	
3D Radiation Pattern		

	1700-1900 MHz	
(Frequency Band)	B2	B3
3D Radiation Pattern		

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

	2500MHz-2700 MHz, 3300MHz-3800 MHz,	
(Frequency Band)	B7	n78
3D Radiation Pattern	 A 3D radiation pattern plot for the B7 frequency band. The plot shows a complex, multi-lobed radiation pattern in a 3D coordinate system with axes labeled x, y, and z. The color scale ranges from -5 (blue) to 25 (red), with intermediate values at 5, 15, and 20. The pattern is centered around the origin and extends along the z-axis.	 A 3D radiation pattern plot for the n78 frequency band. The plot shows a complex, multi-lobed radiation pattern in a 3D coordinate system with axes labeled x, y, and z. The color scale ranges from 3 (blue) to 21 (red), with intermediate values at 9, 15, and 20. The pattern is centered around the origin and extends along the z-axis.

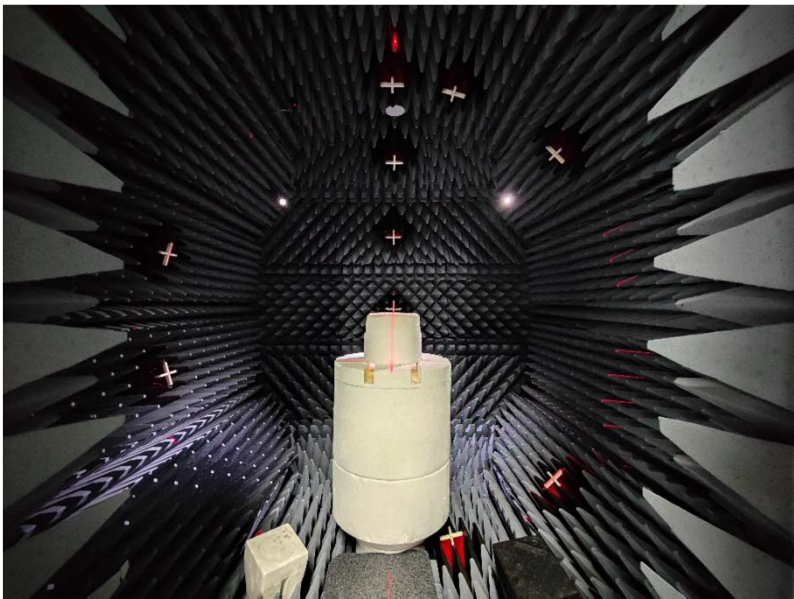
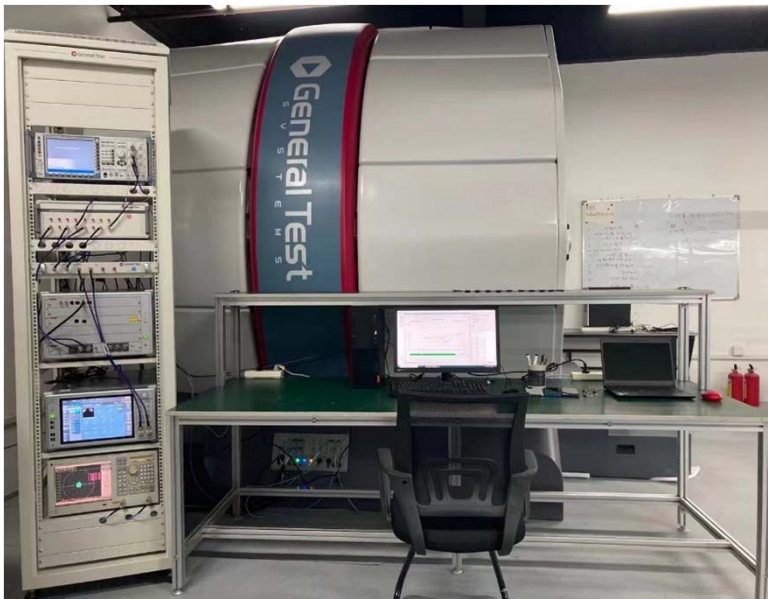


3 Antenna description

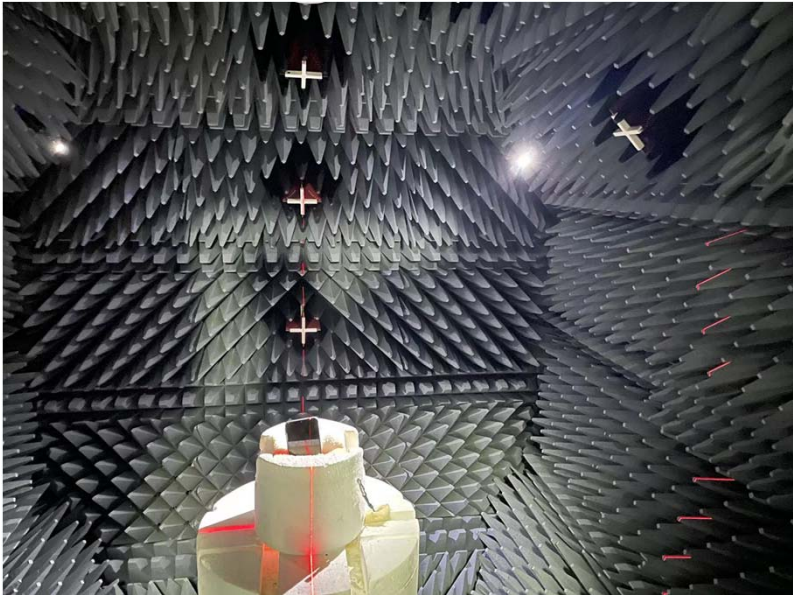
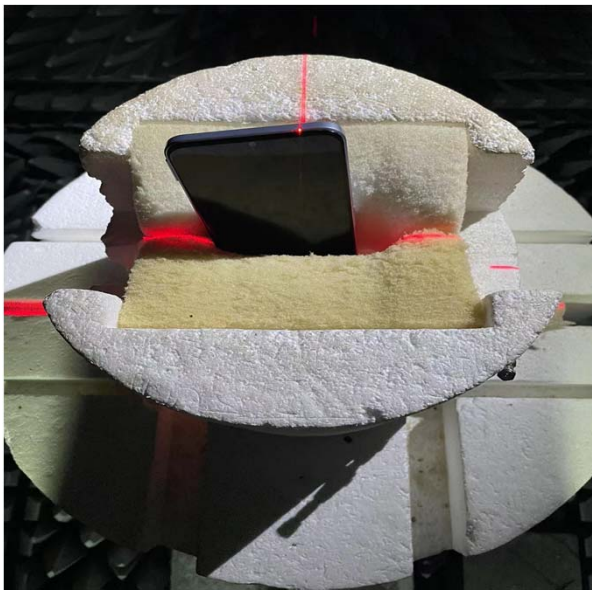
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing



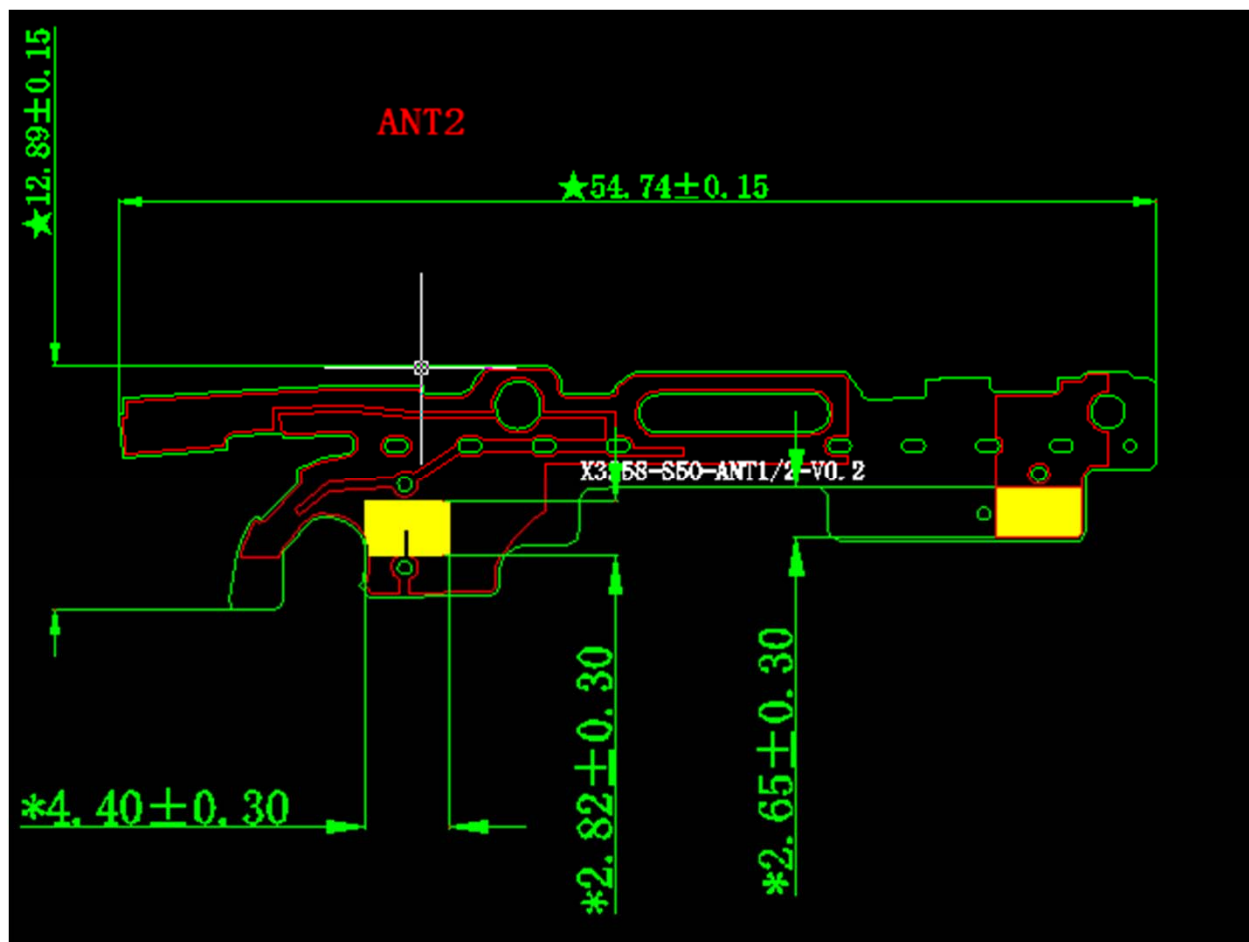
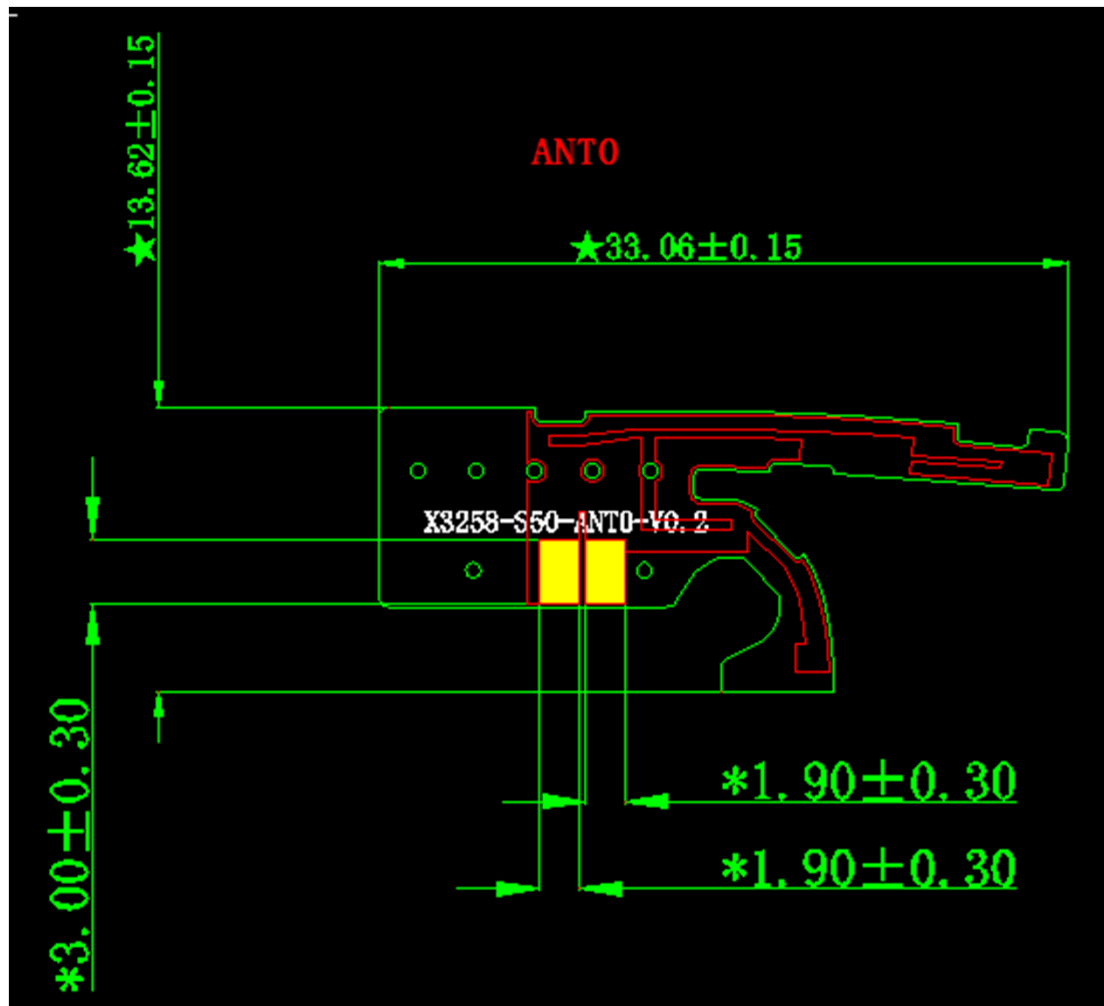
5

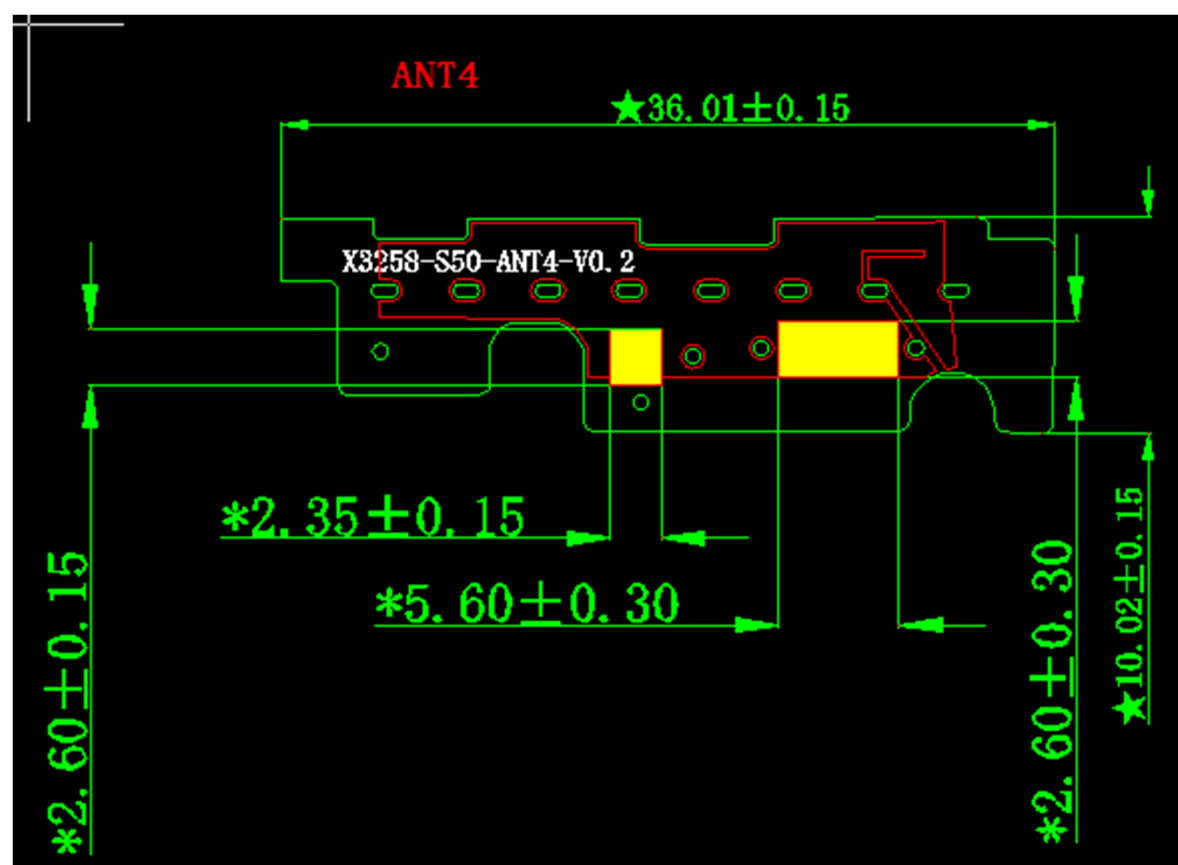
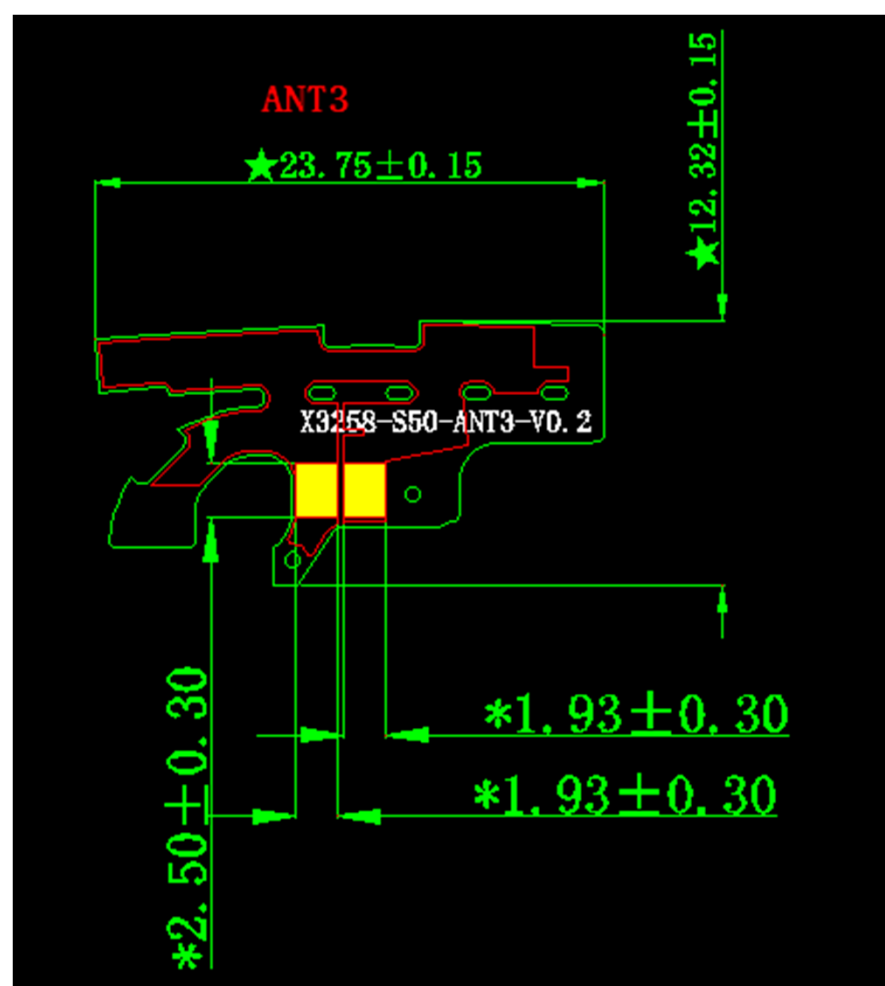
Name	Shenzhen HamyWe Technology Co, Ltd.
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E-mail	rf1@szuhot.com
Equipment	GTS2800

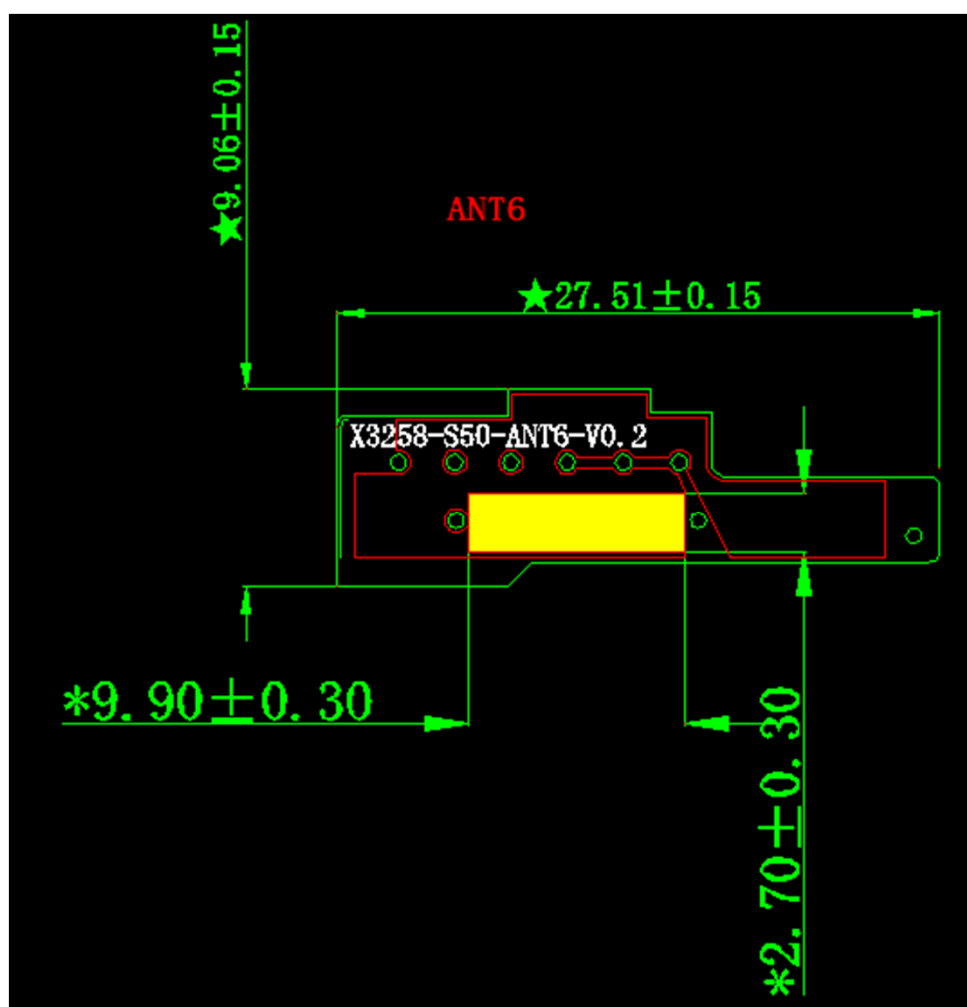
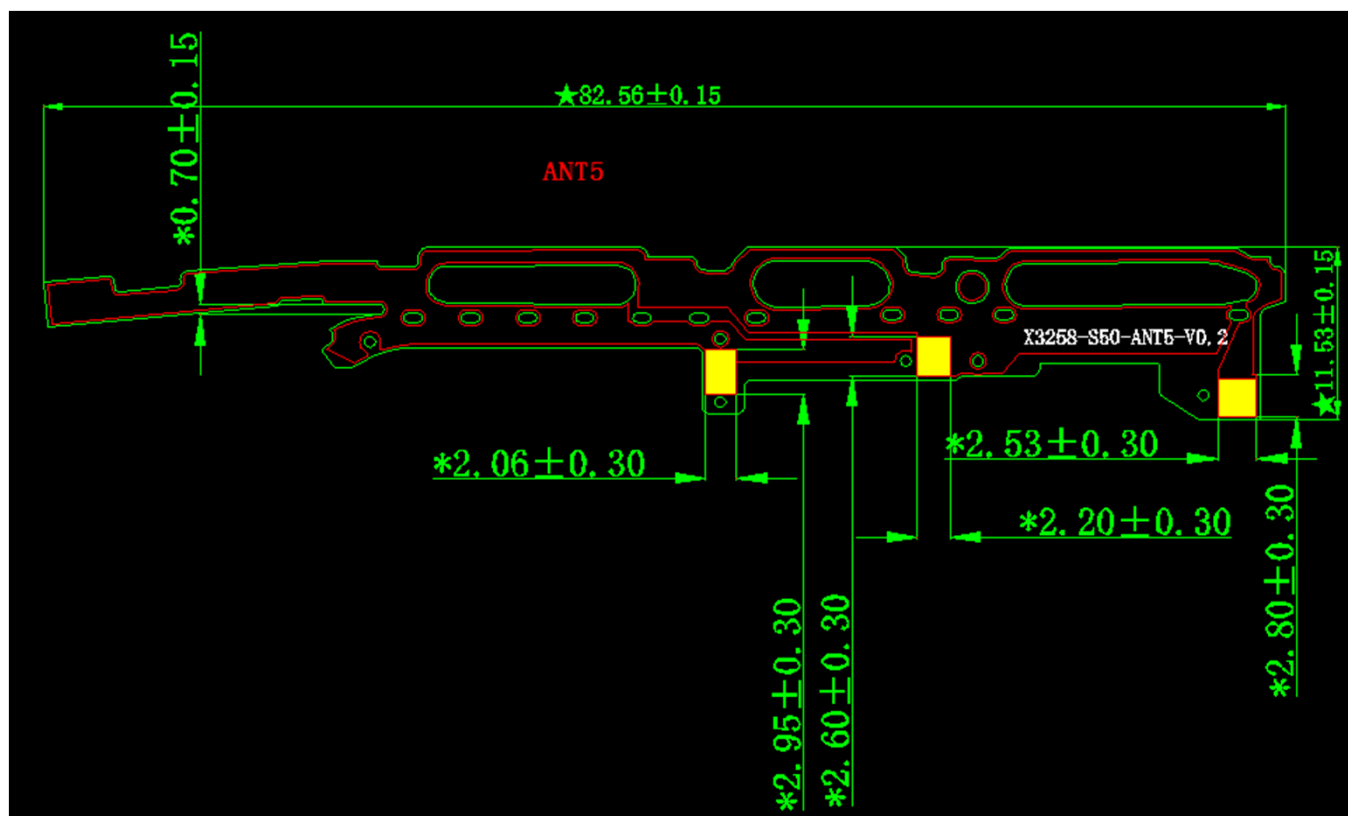
5.2.Product Specification

5.2.1 Size and shape_Pattern









Manufacturer : Dongguan Demen Electronics Co., Ltd.

Address : 6th Floor, Building D, Shunluo Industrial Park, No. 1 Fengtai Road,
Tangxia Town, Dongguan City, Guangdong Province

Model Name : Black 6

Antenna Gain : 0dBi

