

E115-S6 Antenna

Specifications

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1.1 Wifi Antenna (ANT5)

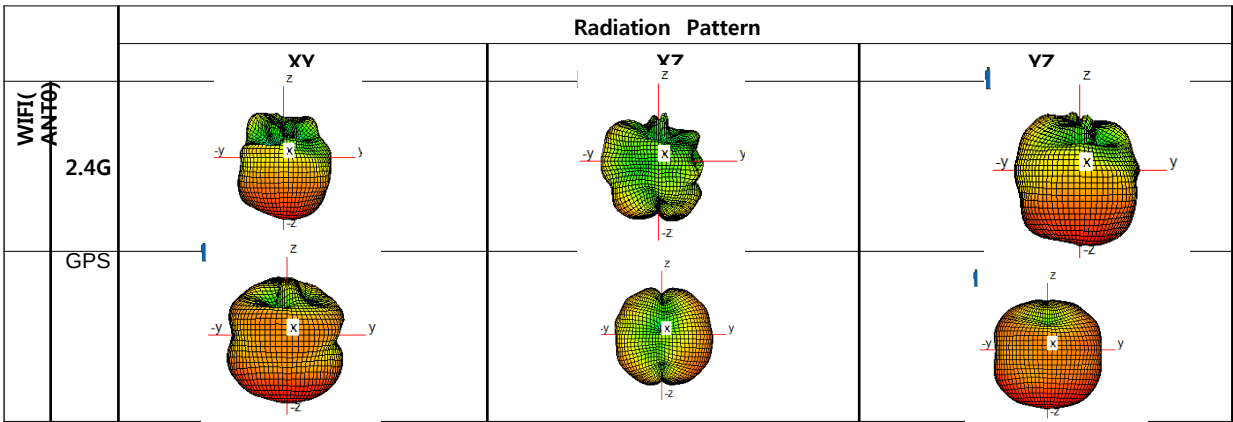
1.1.1 Antenna type

Internal antenna

1.1.2 Gain

GPS	1.5
WIFI 2.4G	0.93
WIFI 5G	0.65

1.1.3 Radiation Pattern



1.2 Cellular Antenna

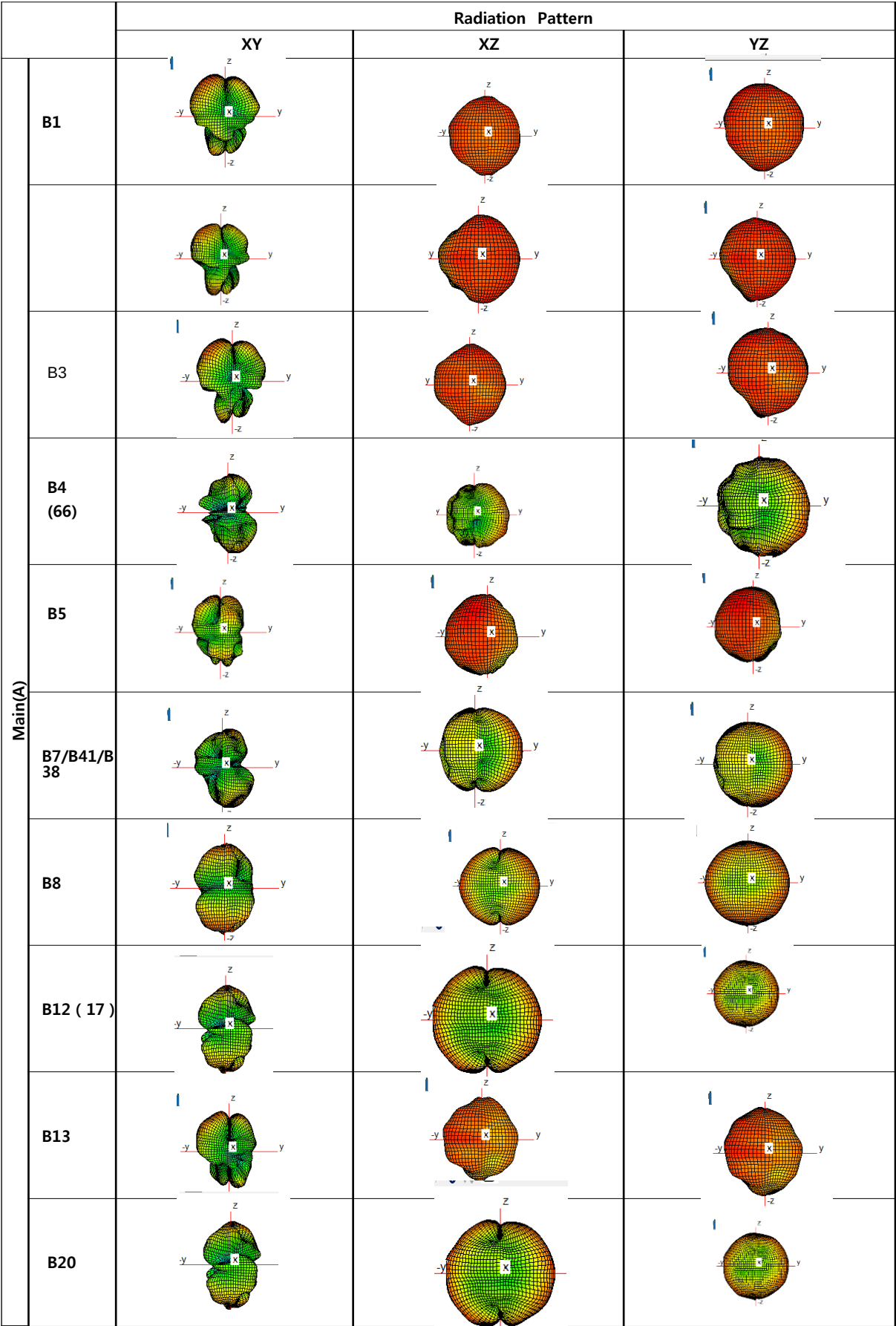
1.2.1 Antenna type

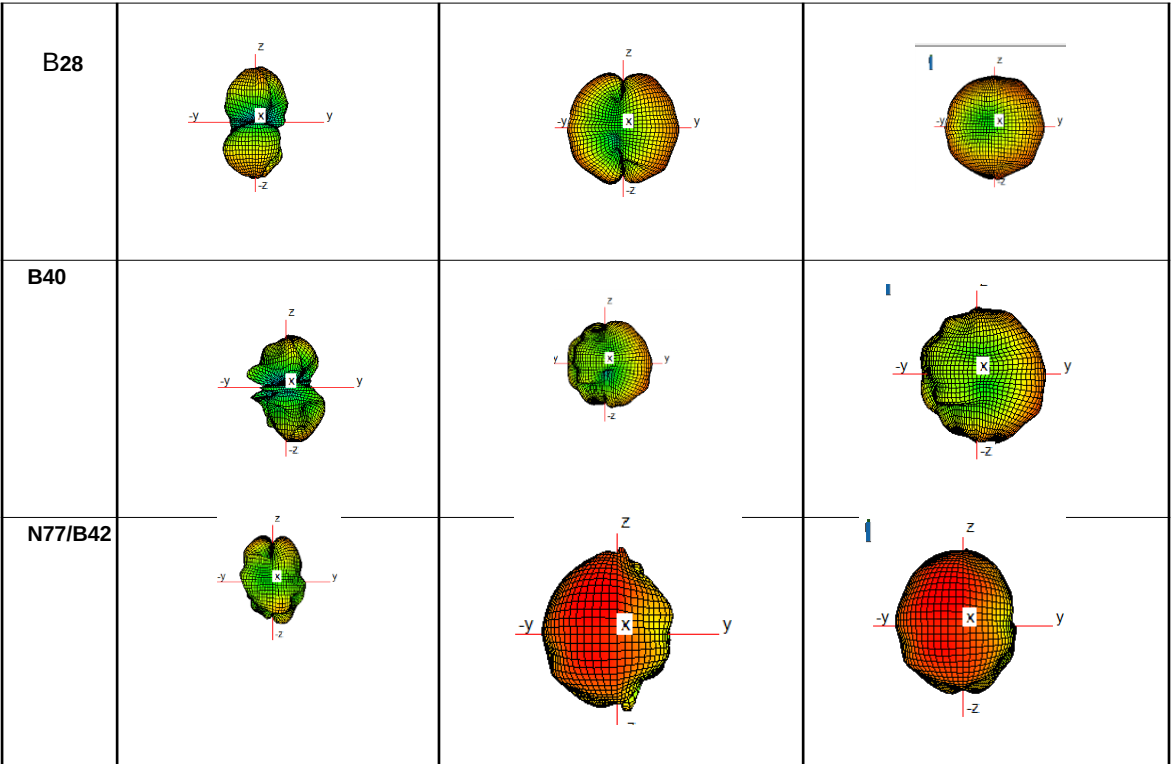
Internal antenna

1.2.2 Gain

BAND	AVG GAIN	TX ANT
LTE BAND1	-1.45	ANT3
LTE BAND2	-0.8	ANT3
LTE BAND3	-0.78	ANT3
LTE BAND4	-1.45	ANT3
LTE BAND5	-3.2	ANT0
LTE BAND7	-0.6	ANT3
LTE BAND8	-4.2	ANT0
LTE BAND12	-0.6	ANT0
LTE BAND13	-3	ANT0
LTE BAND17	-0.6	ANT0
LTE BAND25	-0.75	ANT3
LTE BAND26	-3.3	ANT0
LTE BAND28	-3	ANT0
LTE BAND38	-0.6	ANT0
LTE BAND40	-0.5	ANT0
LTE BAND41	-0.6	ANT0
LTE BAND42	-1.6	ANT7
LTE BAND66	-0.78	ANT3
LTE BAND71	-3.3	ANT0
LTE BAND77	-1.6	ANT4

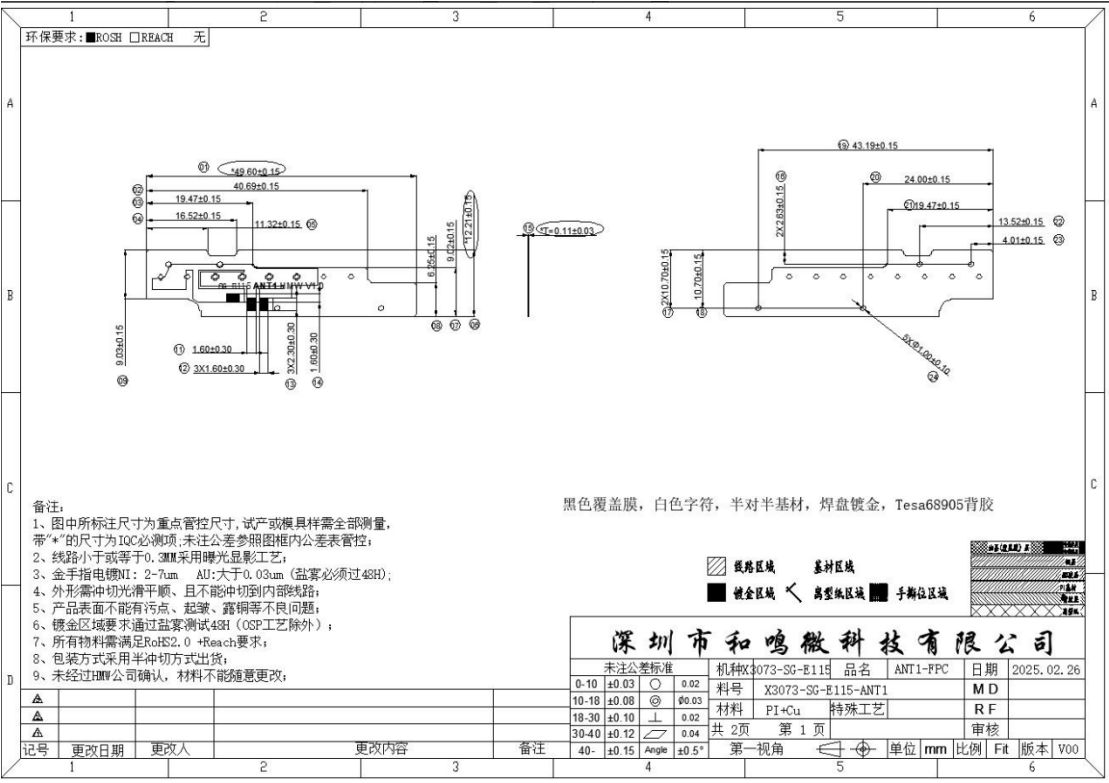
1.2.3 Radiation Pattern



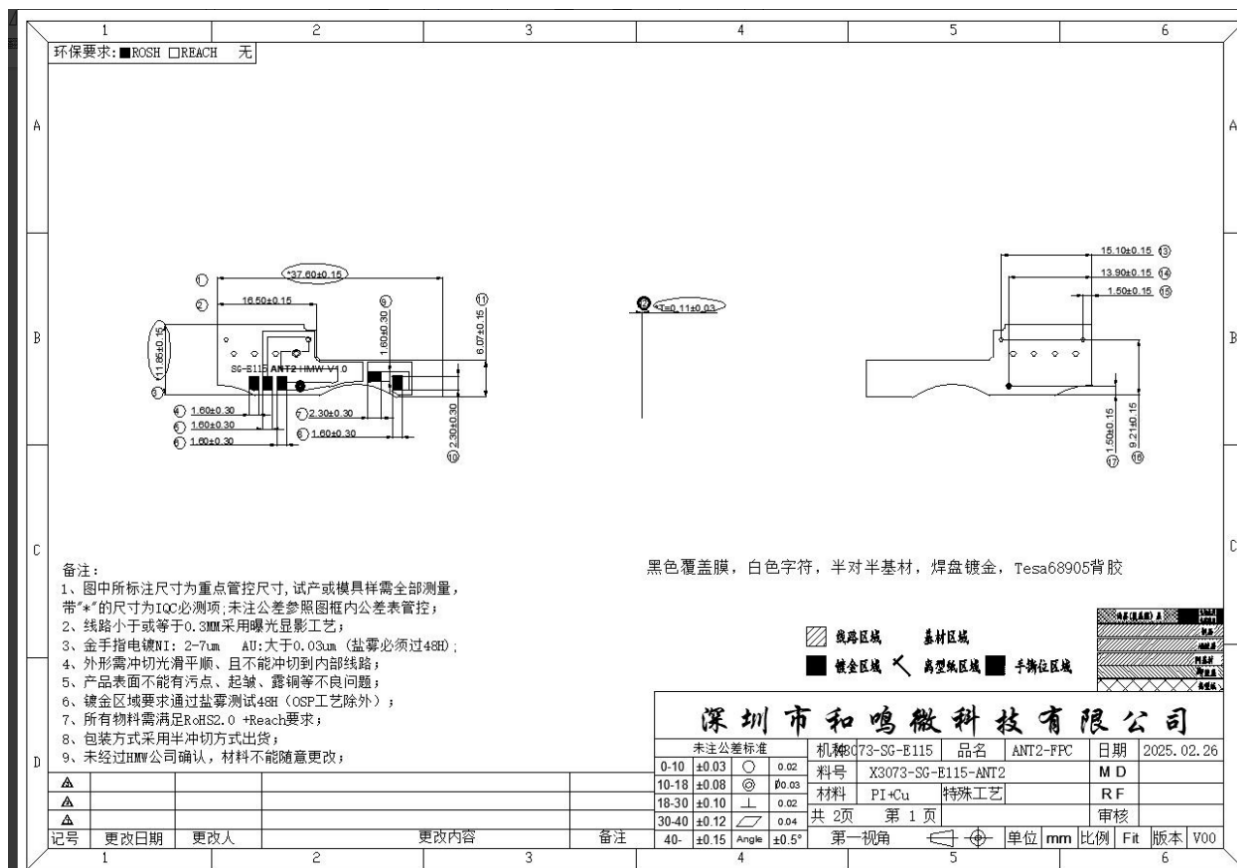


1.2.4Antenna Engineer drawing

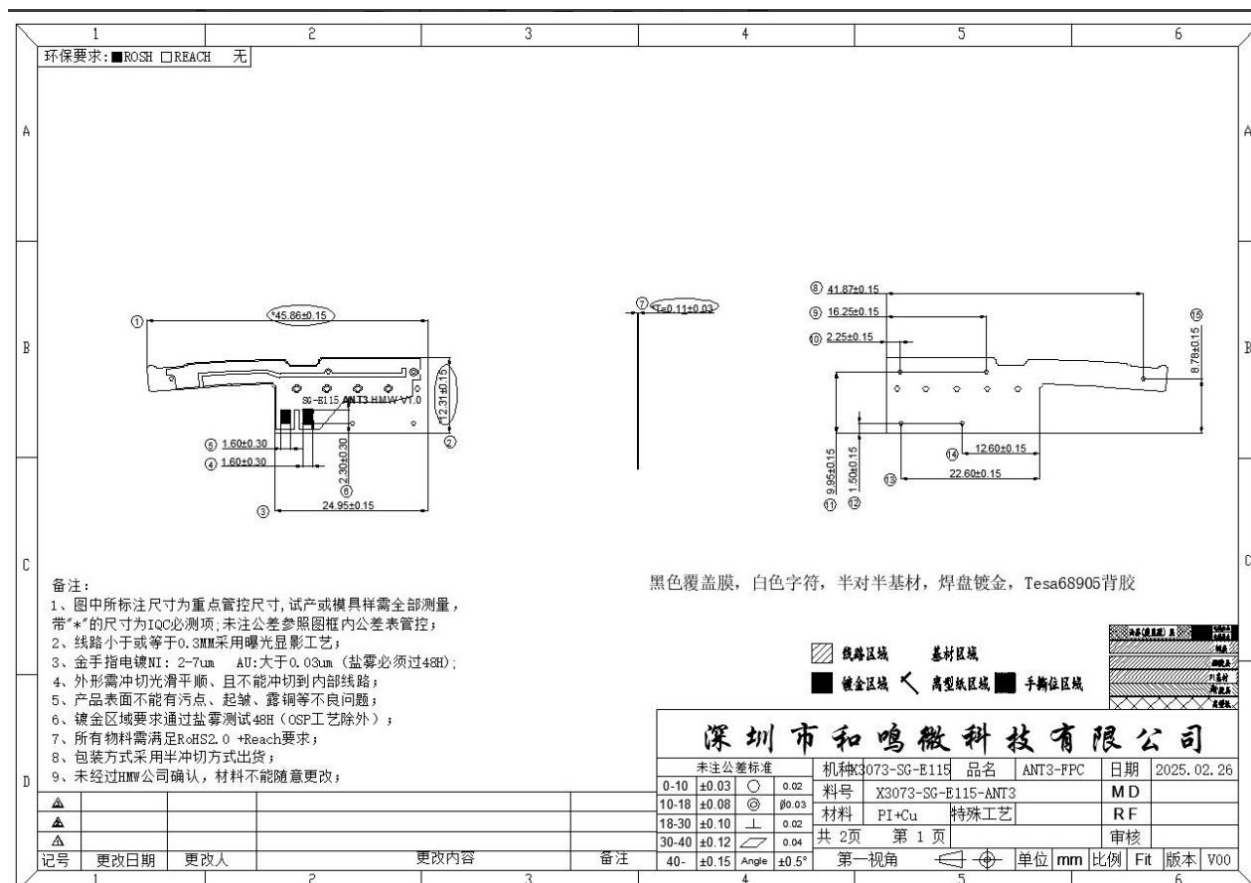
ANT2



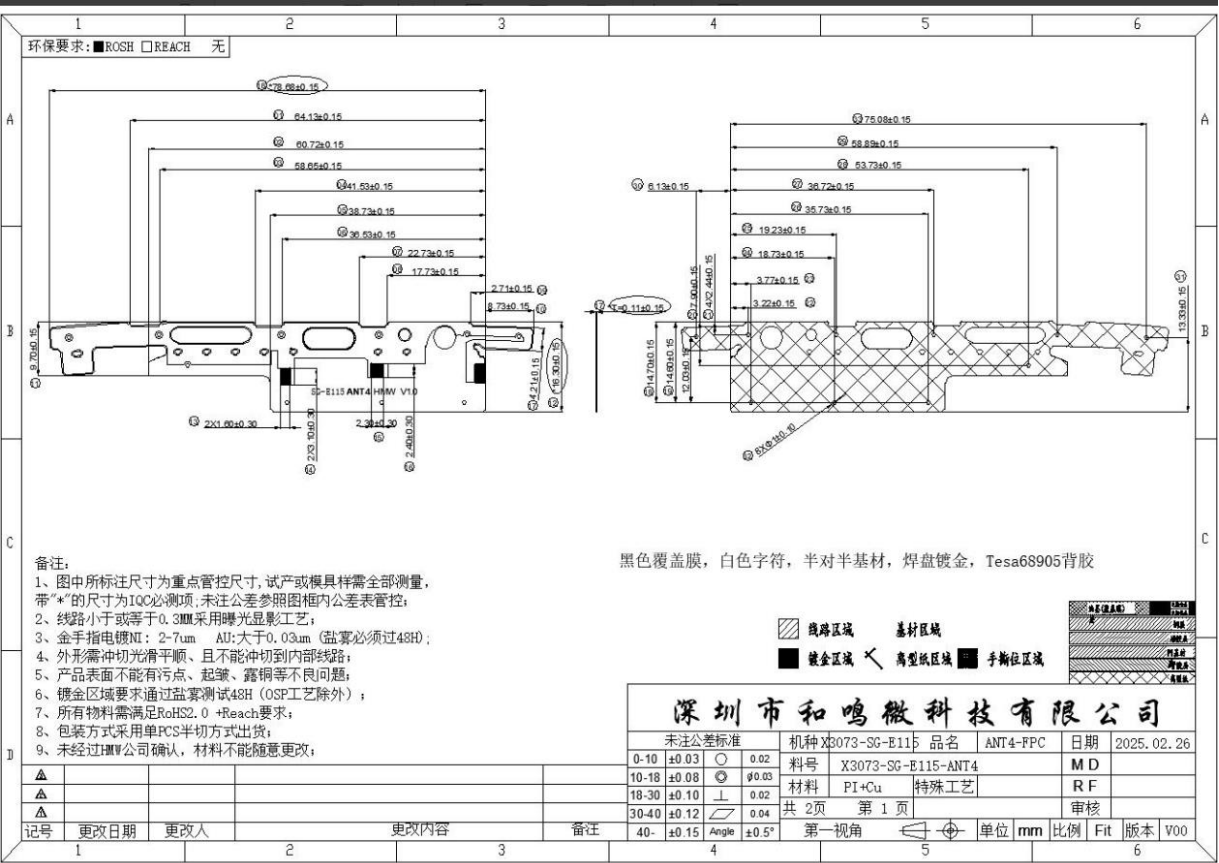
ANT6.7



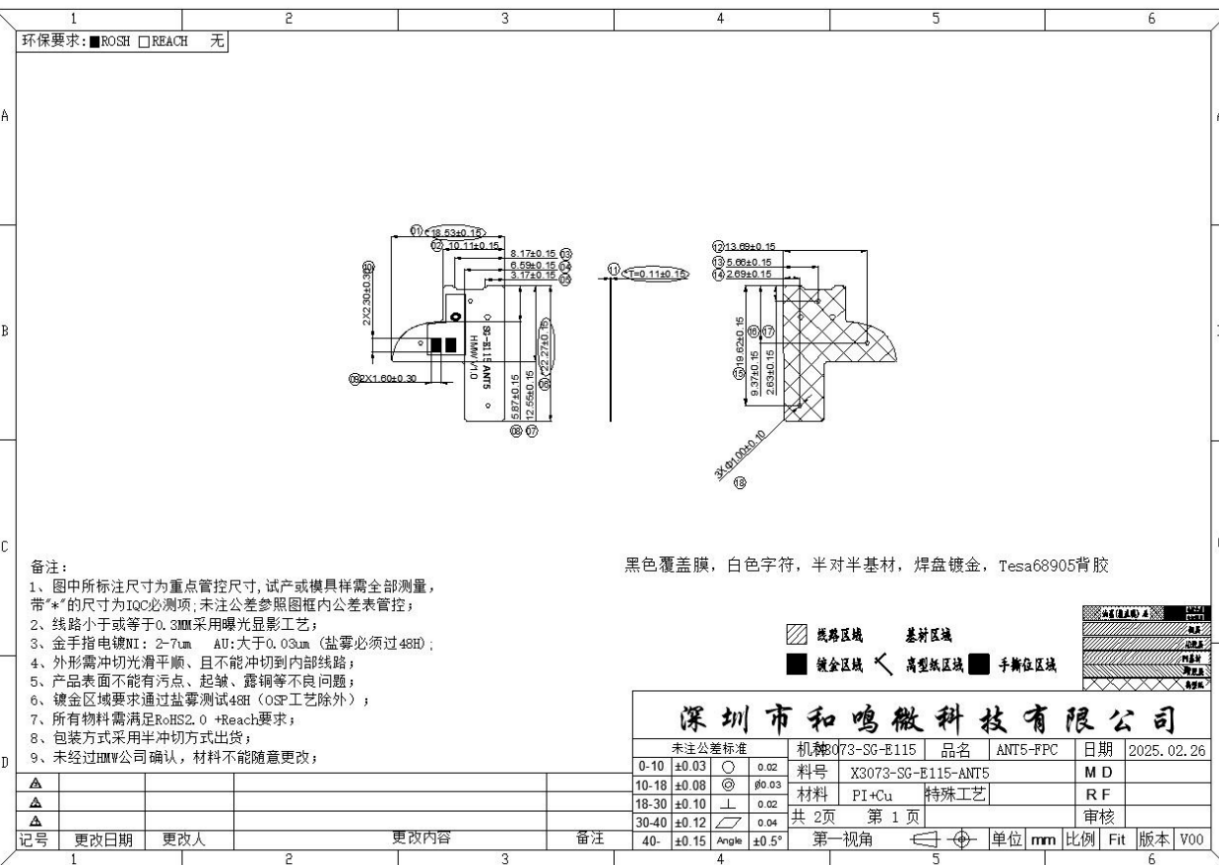
ANT3



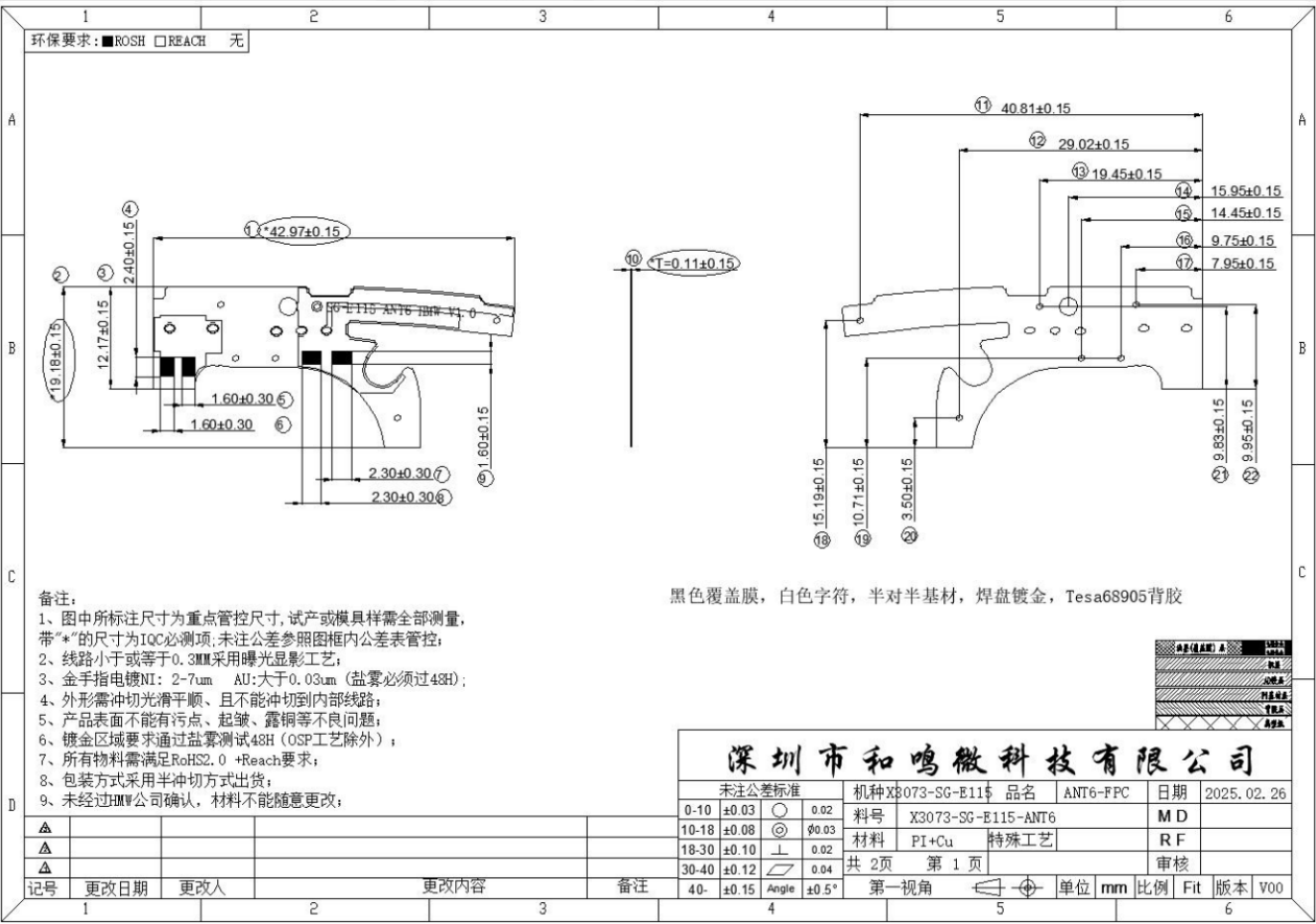
ANT1



ANTO



ANT4.5



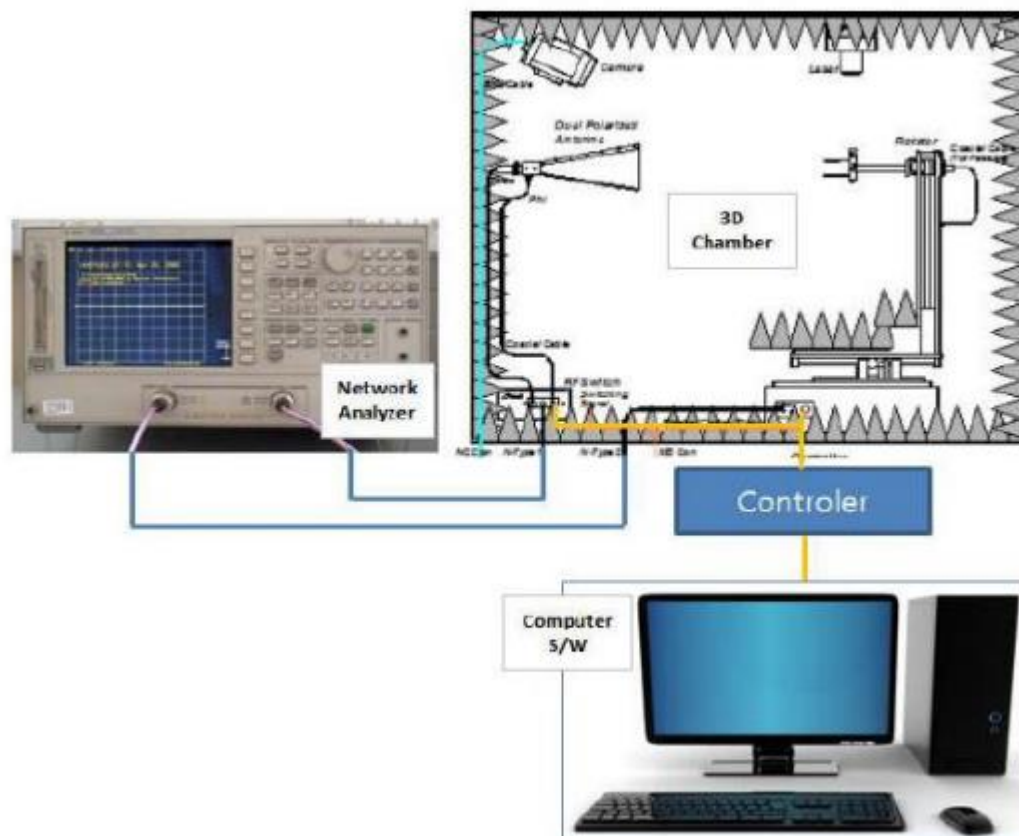
2 Test Condition

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.

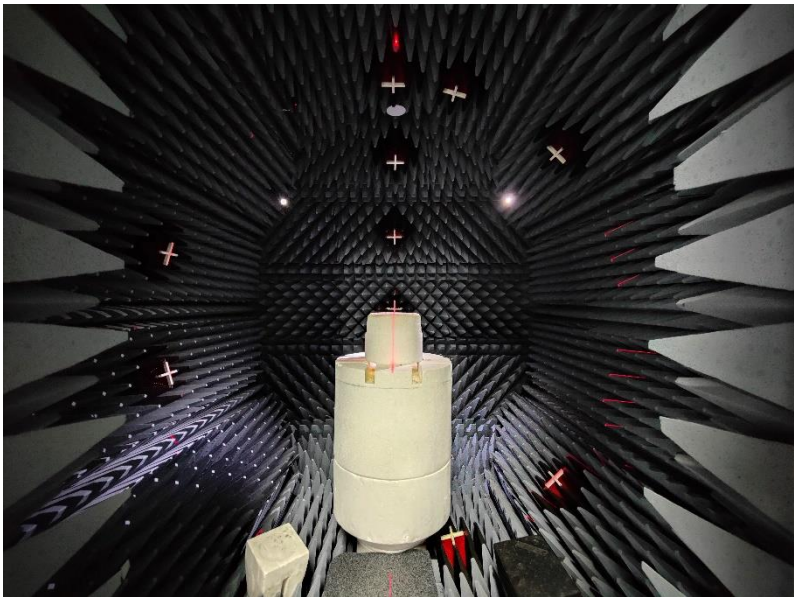
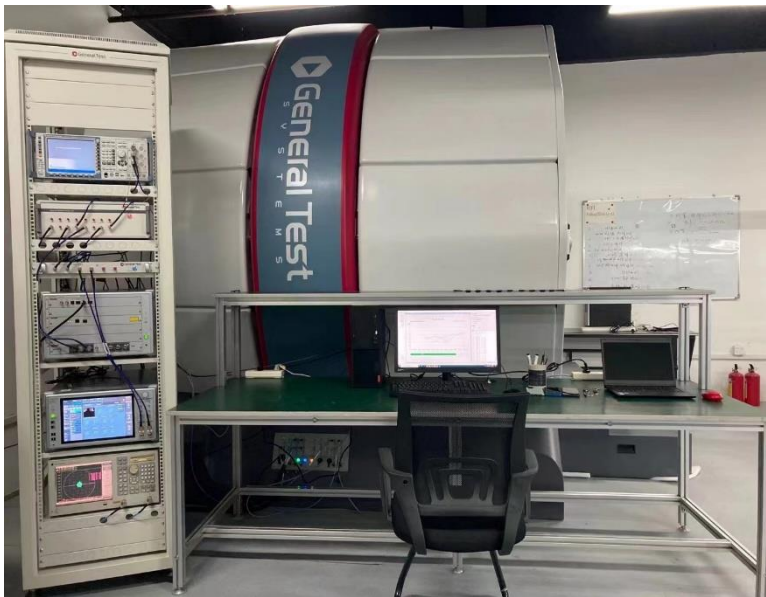


3 Antenna description

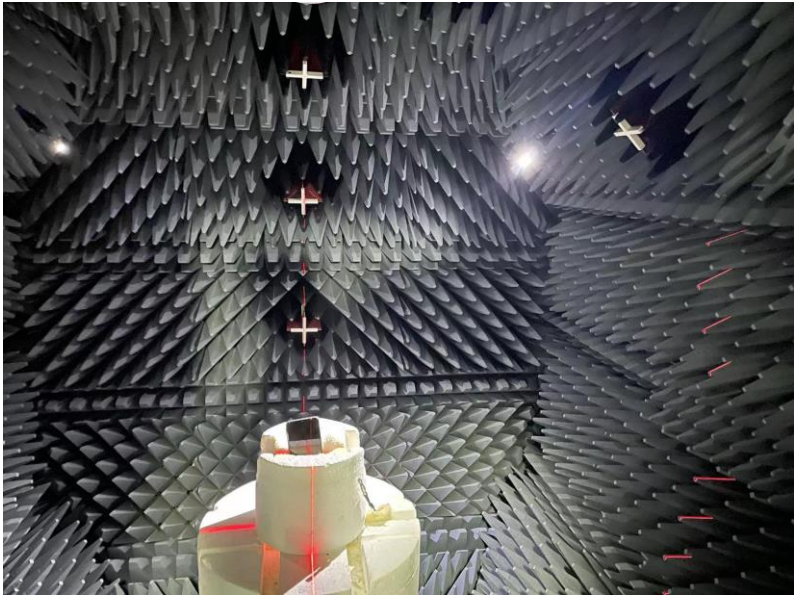
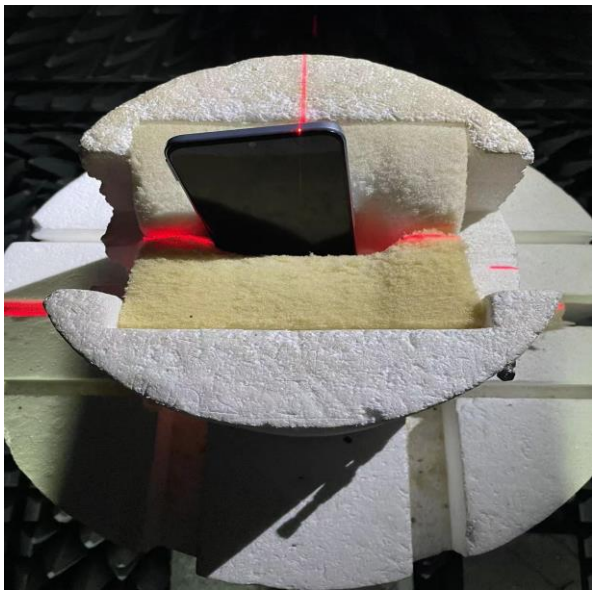
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing

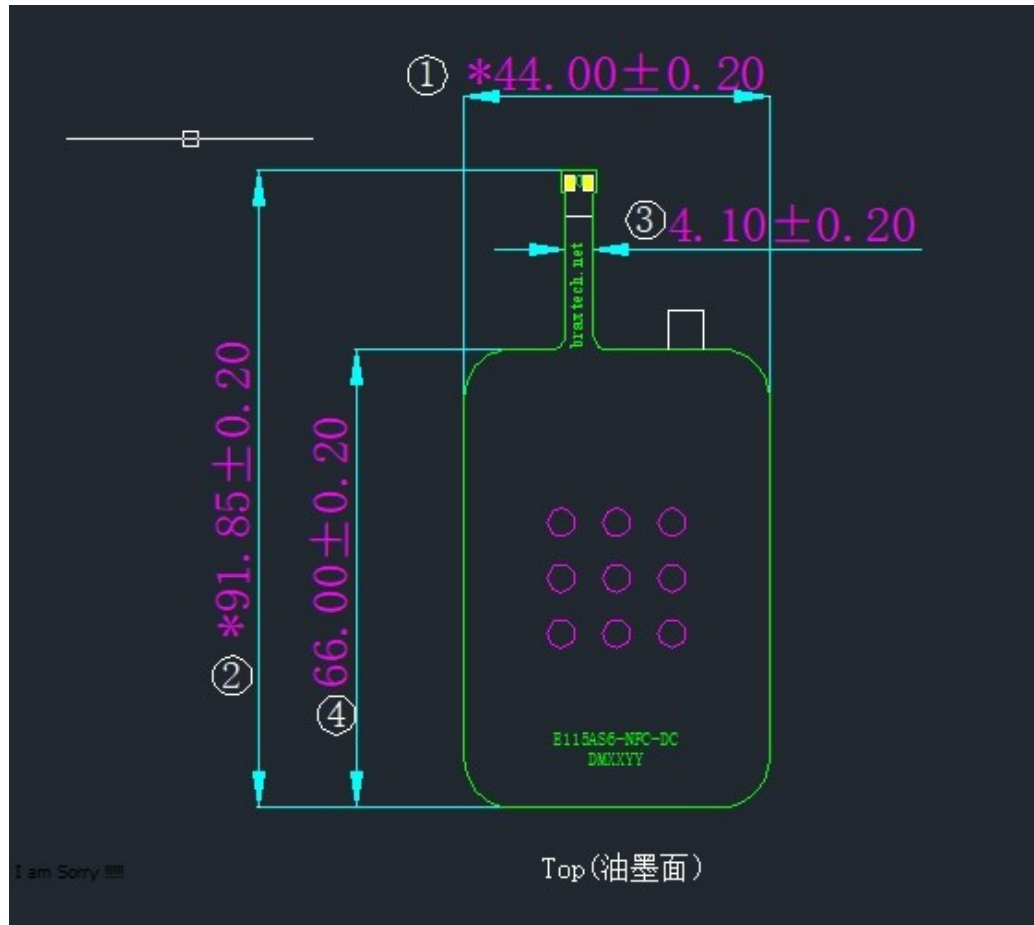


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E-mail	rf1@szuhot.com
Equipment	GTS2800

Manufacturer: Shanghai Demen Electronic Technology Co., Ltd.
Address: 12th Floor, Building 1, No. 58, Shenxue Road, Minhang District, Shanghai, China

Model: E115AS6-NFC-DC



We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.