

TEST REPORT

Product Name : Radar Sensor Module
Brand Name : N/A
Model : ATE-RM1
Series Model : N/A
Applicant : Topland Corporation
Address : Ohka 2508-23 Shimada, Shizuoka JAPAN
Manufacturer : DONGGUAN YATENG ELECTRONIC CO., LTD
FLOOR 3 BUILDING A, NO.18, AREA 1 XIHU INDUSTRIAL PARK,
Address : LINCUN, TangXia Town, DongGuan City, GuangDong Province,
China
Standard(s) : Article 2, paragraph 1, item 8
Date of Receipt : May 08, 2026
Date of Test : May 09, 2026~ May 19, 2026
Issued Date : May 19, 2026

Issued By: Guangdong Asia Hongke Test Technology Limited

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Reviewed by:


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Note: This device has been tested and found to comply with the standard(s) listed, this test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongke Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongke Test Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.

Guangdong Asia Hongke Test Technology Limited

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Report Revise Record

Report Version	Issued Date	Notes
M0	May 19, 2026	Initial Release

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

[MIC Notice No.88 Appendix No.22-16](#)

1.2 Test Summary

Test Item	Result
Frequency Error	Pass
Occupied Bandwidth	Pass
Antenna Output Power and Output Power Tolerance	Pass
Unwanted Emission Strength	Pass
Secondary Radiated Emission Strength	Pass
Construction protection method	Pass
Interference Prevention Function	Pass
Antenna Structure	Pass

1.3 Test Facility

Test Laboratory:

Guangdong Asia Hongke Test Technology Limited

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

The test facility is recognized, certified or accredited by the following organizations:

FCC-Registration No.: 251906 Designation Number: CN1376

Guangdong Asia Hongke Test Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC —Registration No.: 31737 CAB identifier: CN0165

The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01

Guangdong Asia Hongke Test Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

1.4 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Guangdong Asia Hongke Test Technology Limited's quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Asia Hongke laboratory is reported:

Test	Measurement Uncertainty	Notes
Power Line Conducted Emission	9KHz~30MHz ± 1.20 dB	(1)
Radiated Emission	9KHz~30MHz ± 3.10 dB	(1)
Radiated Emission	30MHz~1GHz ± 3.75 dB	(1)
Radiated Emission	1GHz~18GHz ± 3.88 dB	(1)
Radiated Emission	18GHz~40GHz ± 3.88 dB	(1)
Radiated Emission	40GHz~60GHz ± 4.92 dB	(1)
Radiated Emission	60GHz~90GHz ± 5.16 dB	(1)
Radiated Emission	90GHz~100GHz ± 5.64 dB	(1)
RF power, conducted	30MHz~6GHz ± 0.16 dB	(1)
RF power density, conducted	± 0.24 dB	(1)
Spurious emissions, conducted	± 0.21 dB	(1)
Temperature	$\pm 1^{\circ}\text{C}$	(1)
Humidity	$\pm 3\%$	(1)
DC and low frequency voltages	$\pm 1.5\%$	(1)
Time	$\pm 2\%$	(1)
Duty cycle	$\pm 2\%$	(1)
Bandwidth	$\pm 1.5 \times 10^{-6}$	(1)

The report uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

2 GENERAL INFORMATION

2.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Voltage	Normal Voltage	DC 5-12V
	High Voltage	DC 13.2V
	Low Voltage	DC 4.5V
Other	Normal Temperature	25°C
	Relative Humidity	55 %
	Air Pressure	989 hPa

2.2 General Description of EUT

Product Name:	Radar Sensor Module
Model/Type reference:	ATE-RM1
Serial Model:	N/A
Power Rating:	DC 5-12V
Hardware Version:	N/A
Software Version:	N/A
Operation Condition:	Temperature: -20°C~+85°C Humidity: 10%~95%
Radar	
Operation frequency band:	10.5GHz-10.55GHz
Center frequency:	10.525GHz
Modulation Type	FMCW
Antenna type:	PCB antenna
Antenna gain:	3.35dBi
Remark: The above DUT's information was declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.	

2.3 Description of Test Modes and Test Frequency

The EUT has been tested under typical operating condition. The EUT stay in sweep model during the test.

Operation Frequency:

Sweep Start Frequency (MHz)	Sweep Stop Frequency (MHz)
10500	10550

2.4 Equipment List for the Test

Radiation Emission measurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	EMI Measuring Receiver	R&S	ESR	101160	2025.09.23	2026.09.22
2	Spectrum Analyzer	R&S	FSV40	101470	2025.09.23	2026.09.22
3	Low Noise Pre Amplifier	SCHWARZBECK	BBV 9745	00282	2025.09.23	2026.09.22
4	Low Noise Pre Amplifier	CESHENG	CSKJLNA231 016A	CSKJLNA23 1016A	2025.09.23	2026.09.22
5	Pre Amplifier	AT-Microwave	AT-LNA-4060	3803	2025.09.23	2026.09.22
6	Pre Amplifier	AT-Microwave	AT-LNA-5075	3825	2025.09.23	2026.09.22
7	Pre Amplifier	AT-Microwave	AT-LNA-75110	4204	2025.09.23	2026.09.22
8	Passive Loop	ETS	6512	00165355	2024.08.29	2026.08.28
9	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9168	01434	2024.08.29	2027.08.28
10	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9168	01435	2024.08.29	2027.08.28
11	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	452	2024.08.29	2027.08.28
12	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	453	2024.08.29	2027.08.28
13	Horn Antenna 15-40GHz	SCHWARZBECK	BBHA9170	BBHA91703 67	2024.08.28	2027.08.27
14	Horn Antenna 15-40GHz	SCHWARZBECK	BBHA9170	BBHA91703 68	2024.08.28	2027.08.27
15	Horn Antenna 40-60GHz	A-INFO	LB-19-25-A2	2020036000 052	2024.09.25	2027.09.24
16	Horn Antenna 40-60GHz	A-INFO	LB-19-25-A2	2020036000 053	2024.09.25	2027.09.24
17	Horn Antenna 60-90GHz	A-INFO	LB-12-25-A	2020026000 062	2024.09.25	2027.09.24
18	Horn Antenna 60-90GHz	A-INFO	LB-12-25-A	2020026000 063	2024.09.25	2027.09.24
19	Horn Antenna 90-140GHz	A-INFO	LB-8-25-A	2020016000 185	2024.09.25	2027.09.24
20	Horn Antenna 90-140GHz	A-INFO	LB-8-25-A	2020016000 186	2024.09.25	2027.09.24
21	6dB Attenuator	JFW	50FPE-006	4360846- 949-1	2025.09.23	2026.09.22
22	Attenuator	EZLZ	AT-SAX8-4060	104	2025.09.23	2026.09.22
23	Attenuator	EZLZ	MFA-050075- A30A	111	2025.09.23	2026.09.22
24	Attenuator	EZLZ	MFA-075110- A30A	127	2025.09.23	2026.09.22
25	Harmonic Mixer	AT-Microwave	AT-SAX8-4060	101318	2025.09.23	2026.09.22
26	Harmonic Mixer	AT-Microwave	AT-SAX8-5075	101335	2025.09.23	2026.09.22
27	Harmonic Mixer	AT-Microwave	AT-SAX8- 75110	101376	2025.09.23	2026.09.22
28	Const Temp. & Humidity Chamber	Eastlab	YH-HW-408L	23051109	2025.09.23	2026.09.22
29	High frequency vibration testing machine	Yuanyao Instrument	NBC-4S-100	54784166	2025.09.23	2026.09.22
30	Signal Generator	Keysight	E8257D	E8257D	2025.09.23	2026.09.22

31	DC power supply	ZHAOXIN	RXN-305D-2	2807000255 9	2025.09.23	2026.09.22
32	RE Software	EZ	EZ-EMC_RE	Ver.AIT-03A	N/A	N/A

Remark:

- (a) Calibration conducted by the National institute of information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).
- (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- (d) Calibration, etc, conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c)

From JRL Article 24-2, paragraph 4, Item 2

Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law".

Cal. Lab: GUANGZHOU LISA CALIBRATION AND TESTING CO.,LTD.

2.5 Test Voltage

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Power supply	DC 5-12V	DC 13.2V	DC 4.50V
Output To RF Module	DC 3.30V	DC 3.30V	DC 3.30V
Voltage Variation (%)	--	--	--

Note:

Voltage Variation (%)

= (Output high or Low Voltage - Output Normal Voltage)/ Output Normal Voltage* 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.

The sample power supply was confirmed that input voltage variation at the radio unit in the radio equipment to be tested is less than +1% against a variation of +10% at the input voltage from the external power supply to the radio equipment, and the radio equipment was designed so as to be operated in a specified voltage variation limit within +10%, Radio can only test at normal Voltage.

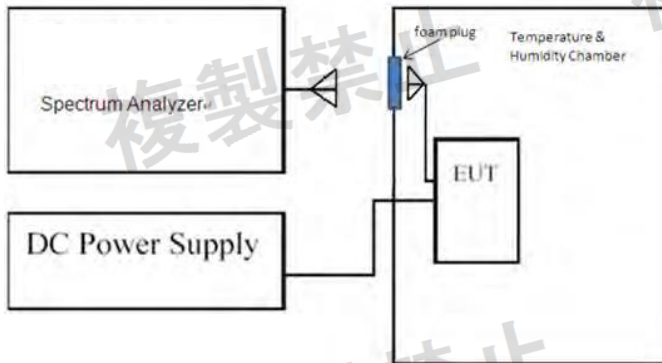
3 TEST CONDITIONS AND RESULTS

3.1 Frequency Error

LIMIT

With in 10.5GHz-10.55GHz

TEST CONFIGURATION



TEST PROCEDURE

Vibration test

Fix the EUT on the vibration plate of the vibration testing machine by means of the installation fixture, etc., which is used to make the EUT equal to the normal installation state. Apply vibration to EUT through vibration testing machine

During the vibration excitation of the vibration tester, set the EUT to the non-action state (power off). After the vibration is excited in the vibration testing machine, the frequency of the equipment shall be tested in the normal working mode, and the frequency deviation shall be within the normal range.

Temperature test:

Place the device to be tested in the temperature and humidity tester in the non-operation state and set the temperature of the temperature and humidity tester to a low temperature while in this condition. the low temperature is 0°C, -10°C and -20°C, use the minimum value within the range of the specification of the device to be tested. the high temperature is 40°C, 50°C and 60°C, use the highest value within the range of the specification of the device to be tested.

Leave it in this condition for 1hour. Apply the prescribed power supply voltage to operate to device to be tested in the temperature and humidity tester. Test the frequency tolerance & Record the test result.

Humidity Test:

Place the device to be tested in the temperature and humidity tester in the non-operating state. While this condition remains, set the temperature to 35°C and the relative humidity to 95% or the maximum or the maximum humidity in the specification of the device to be tested in the temperature and humidity tester. Leave it in this condition for 4 hours. After this time, the setting of the temperature and humidity tester is changed back to the normal temperature and normal humidity and, after confirming that there is no condensation, operate the device to be tested by applying the prescribed power supply voltage. Test the frequency tolerance, Record the test result.

TEST RESULTS

Vibration test conditions	The frequency deviation is within the normal range or not
Set the vibration with a total amplitude of 3mm, from the lowest frequency to 500 times per minute, to 15 minutes at the top, bottom, left and right, front and back respectively. The scanning cycle of frequency is 10 minutes, and the scanning frequency is changed in the order of the lowest frequency, 500 times per minute and the lowest frequency. That is, 1.5 cycles of vibration frequency scanning within 15 minutes	YES/PASS
Set the vibration with a total amplitude of 1 mm and a frequency of 500 to 1800 times per minute for 15 minutes, up and down, left and right, front and back respectively. The scanning cycle of frequency is 10 minutes, and the scanning frequency changes in the order of 500 times per minute, 1800 times per minute and 500 times per minute. That is, 1.5 cycles of vibration frequency scanning shall be carried out within 15 minutes.	YES/PASS

Temperature and humidity test

Temperature or humidity test	The frequency deviation is within the normal range or not
Low temperature test-- Set the EUT in the temperature and humidity test tank as a non-action state. In this state, set the temperature in the temperature and humidity test tank to low temperature (the lowest temperature within the EUT specification range of 0 °C, - 10 °C, - 20 °C). Leave in this state for 1 hour.	YES/PASS
high temperature test--The EUT is set in the temperature and humidity test tank as a non-action state. In this state, the temperature in the temperature and humidity test tank is set to high temperature (the highest temperature within the specification range of test equipment in 40 °C, 50 °C and 60 °C) and normal humidity. Leave in this state for 1 hour.	YES/PASS
Humidity test-- (a) The EUT is set in the temperature and humidity test tank as a non-action state. Under this state, the temperature in the temperature and humidity test tank is set to 35 °C, 95% relative humidity or the maximum humidity of the test equipment specification. Put it in this state for 4 hours. After the above (i) time, restore the setting of the temperature and humidity test tank to the normal temperature and humidity state. After confirming that there is no condensation, apply the specified power supply voltage to make the test equipment operate.	YES/PASS

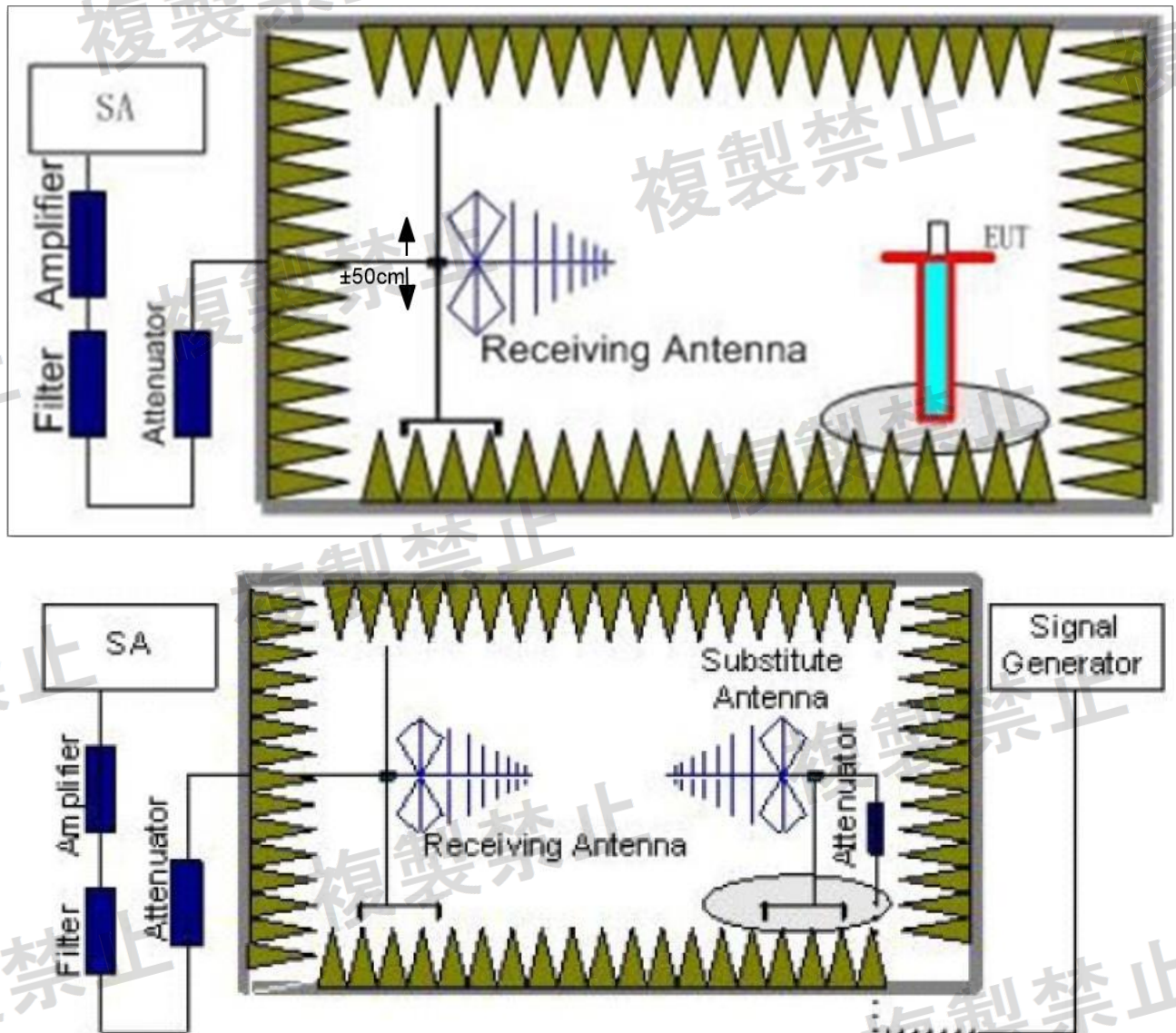
Condition		Meter reading		Limit	Verdict
		Lower Frequency [GHz]	Upper Frequency [GHz]		
high temperature	+60℃	10.520253	10.529743	Within 10.5GHz- 10.55GHz	PASS
	+50℃	10.520225	10.529685		PASS
	+40℃	10.520258	10.529728		PASS
Low temperature	0℃	10.520267	10.529670		PASS
	-10℃	10.520278	10.529692		PASS
	-20℃	10.520252	10.529686		PASS
Normal temperature	+20℃	10.520226	10.529681		PASS
Humidity test	+35℃/95%	10.520229	10.529707		PASS
Vibration test	Front / Back	10.520216	10.529755		PASS
	Left / Right	10.520287	10.529716		PASS
	Up / Down	10.520198	10.529714		PASS

3.2 Tolerance of Antenna Power

LIMIT

Item	Limits
Antenna Power Tolerance	+ 50% ~ -50 %
Antenna Power	0.02 W (20mW, 13 dBm)

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.5-meter-high non-conductive stand. A receiving antenna was placed on the antenna mast 3 meters from the EUT.
2. Searching for the frequency that gives the maximum antenna power by rotating the EUT through 360° and receiving antenna vary within $\pm 50\text{ cm}$ of the height of the opposing EUT.
3. Searching the maximum antenna power with spectrum analyzer settings as follow:

Spectrum Parameter	Setting
Center frequency	Test frequency
Span Frequency	Approximately 30% of the specified frequency bandwidth

RBW/VBW	1MHz/1MHz
Y-axis scale	10dB/Div
Input level:	Carrier level must be at least 40 dB above spectrum analyzer noise
Sweep time:	Minimum time for which measurement accuracy is guaranteed. However, in the case of burst waves, one burst or more per sample must be entered.
Sweep points:	400 points or more (e.g. 1001 points)
Sweep mode	Continuous sweep
Detection mode	Positive peak
Display mode:	Maximum hold

4. Use follow settings of spectrum analyzer to measure the maximum antenna power and recorded as (P_r):

Spectrum Parameter	Setting
Center frequency	Searched frequency in step 3
Span Frequency	0Hz
RBW/VBW	3MHz/3MHz
Y-axis scale	10dB/Div
Sweep time:	Minimum time for which measurement accuracy is guaranteed.
Sweep points:	400 points or more (e.g. 1001 points)
Sweep mode	Single sweep
Detection mode	RMS
Display mode:	Maximum hold

5. Replaced EUT by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

6. An amplifier may be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power(EIRP)} = P_{Mea} + P_{Ag} - P_{cl} + G_a$$

TEST RESULTS

Remark;

The field strength of radiation emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The data show in this report only with the worst case setup.

After exploratory measurement the worst case of Z axis and receiver antenna at vertical polarization was reported.

Test Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dBi)	P _{Ag} (dB)	EIRP (dBm)	EIRP (W)	Limit (W)	Polarization
10.5-10.55GHz	-39.17	9.33	11.73	45.32	8.55	0.007	<=0.02	V

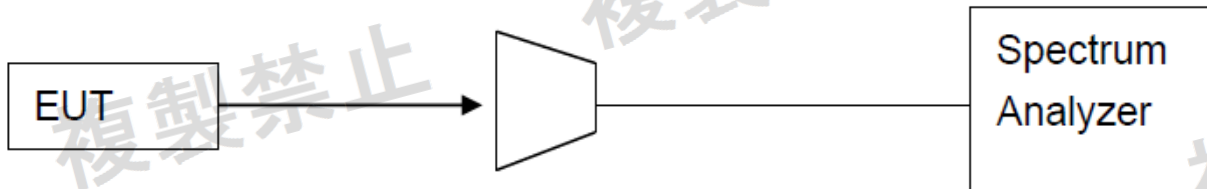
Test Frequency	Antenna Power		Nominal Power (W)	Tolerance (%)		Verdict
	Measured (W)	Limit (W)		Measured	Limit	
10.5-10.55GHz	0.007	<=0.02	0.010	-30.00%	+50%~-50%	Pass

3.3 Tolerance of Occupied Bandwidth

LIMIT

40MHz or less

TEST CONFIGURATION



TEST PROCEDURE

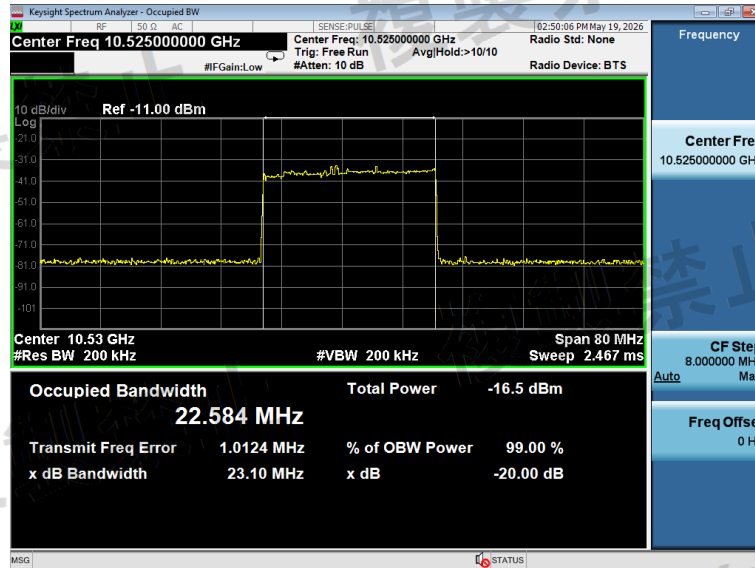
1. The EUT's located closed the receiver antenna.
2. Spectrum analyzer setting as follow:

Spectrum Parameter	Setting
Center frequency	Test frequency
Span Frequency	2 to 3.5 times the allowable value of the occupied bandwidth
RBW/VBW	About 1% of the occupied frequency bandwidth
Y-axis scale	10dB/Div
Input level:	Carrier level must be at least 40 dB above spectrum analyzer noise
Sweep time:	Minimum time for which measurement accuracy is guaranteed. However, in the case of burst waves, one burst or more per sample must be entered.
Sweep points:	400 points or more (e.g. 1001 points)
Sweep mode	Continuous sweep
Detection mode	Positive peak
Display mode:	Maximum hold

3. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

TEST RESULTS

Test Frequency	Occupied Channel Bandwidth (MHz)	Limit	Verdict
10.5-10.55GHz	22.584	≤40MHz	Pass

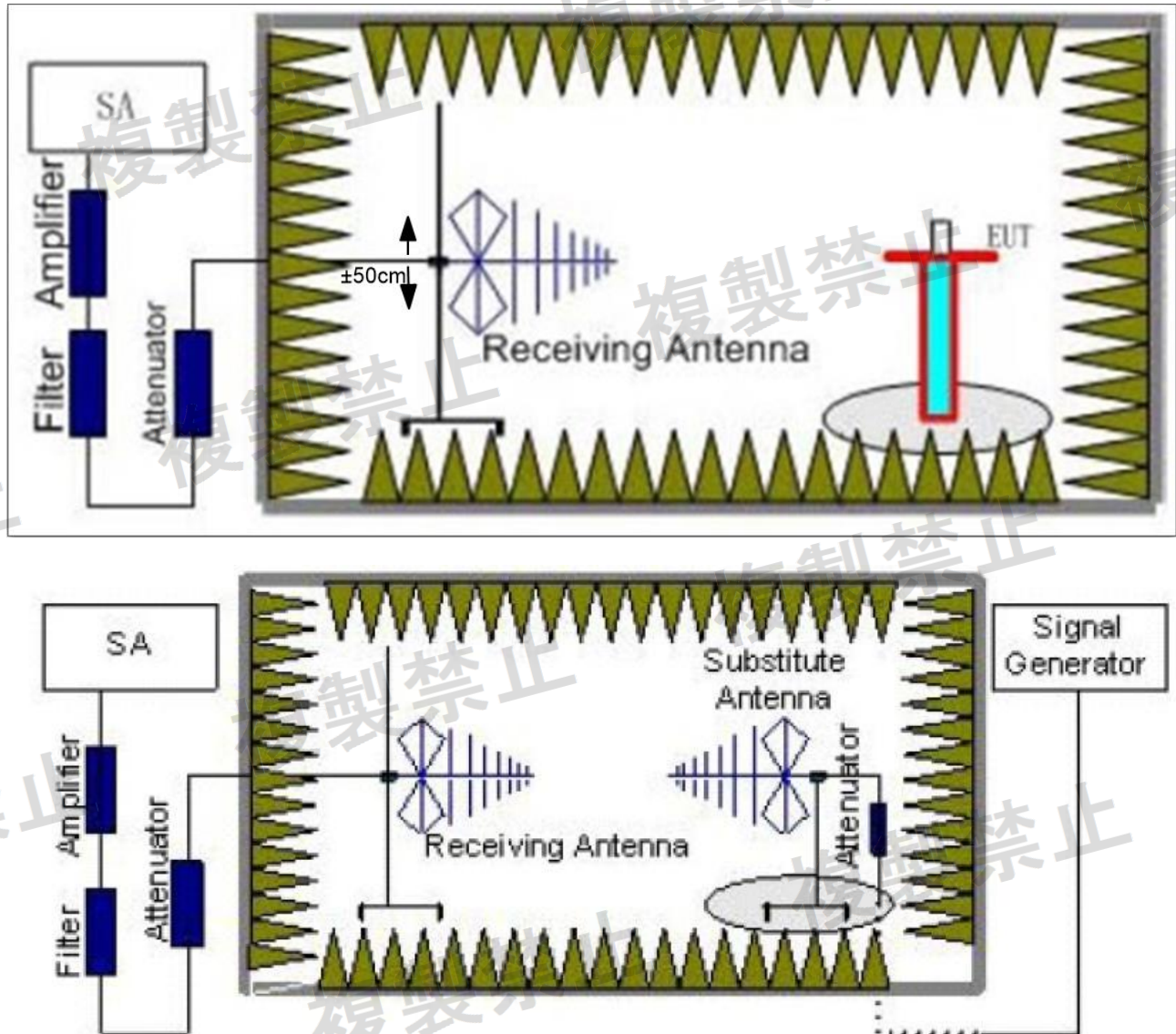


3.4 Unwanted Emission Intensity

LIMIT

2.5 μ W or less

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.5-meter-high non-conductive stand. A receiving antenna was placed on the antenna mast 3 meters from the EUT.
2. Searching for the frequency that gives the maximum antenna power by rotating the EUT through 360° and receiving antenna vary within ± 50 cm of the height of the opposing EUT.
3. Searching the maximum spurious emission power with spectrum analyzer settings as follow:

Spectrum Parameter	Setting
Test frequency range	30MHz to 2th Harmonic
RBW/VBW	Below 1GHz:100KHz/100KHz Above 1GHz:1MHz/1MHz
Y-axis scale	10dB/Div
Sweep time:	Auto.
Sweep mode	Continuous sweep

Detection mode	Positive peak
Display mode:	Maximum hold

4. Use follow settings of spectrum analyzer to measure the interested spurious emission power and recorded as (P_r):

Spectrum Parameter	Setting
Center frequency	Searched frequency in step 3
Span Frequency	0Hz
RBW/VBW	Below 1GHz:100KHz/100KHz Above 1GHz:1MHz/1MHz
Y-axis scale	10dB/Div
Sweep time:	Auto
Sweep mode	Single sweep
Detection mode	RMS
Display mode:	Maximum hold

5. Replaced EUT by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test EUT and adjusting the receiving antenna polarization.
6. An amplifier may be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
- The measurement results are obtained as described below:
- $$\text{Power(EIRP)} = P_{Mea} + P_{Ag} - P_{cl} + G_a$$

TEST RESULTS

Test Frequency:10525MHz

Frequency(MHz)	Res. Bandwidth (kHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dBi)	P _{Ag} (dB)	Peak EIRP		Limit (μW)	Polarity	Verdict
						(dBm)	(μW)			
442.35	100	-77.10	1.61	6.90	31.83	-39.98	0.1005	2.5	H	Pass
822.35	100	-71.06	2.56	6.04	32.36	-35.22	0.3006	2.5	H	Pass
1198.40	1000	-79.96	2.57	6.20	45.53	-30.80	0.8318	2.5	H	Pass
8639.30	1000	-77.84	8.67	11.12	44.55	-30.84	0.8241	2.5	H	Pass
15537.85	1000	-85.41	11.19	15.52	44.52	-36.56	0.2208	2.5	H	Pass
21050.00	1000	-67.60	14.60	18.41	33.21	-30.58	0.8750	2.5	H	Pass
--	--	--	--	--	--	--	--	--	H	--
58.35	100	-55.91	0.72	-6.63	30.77	-32.49	0.5636	2.5	V	Pass
671.80	100	-66.21	2.18	6.28	32.32	-29.79	1.0495	2.5	V	Pass
1382.45	1000	-87.41	2.69	7.41	44.02	-38.67	0.1358	2.5	V	Pass
7442.35	1000	-87.49	7.60	11.20	44.60	-39.29	0.1178	2.5	V	Pass
15537.85	1000	-88.10	11.19	15.52	44.52	-39.25	0.1189	2.5	V	Pass
21050.00	1000	-67.05	14.60	18.41	33.21	-30.03	0.9931	2.5	V	Pass
--	--	--	--	--	--	--	--	--	V	--

Remark:

1. $EIRP = P_{Mea} + P_{Ag} - P_{cl} + G_a$
2. Test frequency range from 30MHz to 26GHz
3. -- Means other points for values lower than limits and not recorded.

3.5 Secondary Radiated Emission Strength

LIMIT

2.5 μ W or less

TEST CONFIGURATION

The same as section 3.4

TEST PROCEDURE

The same as section 3.4

TEST RESULTS

Note: Receiver spurious emission (Secondary radiated emissions) are emissions at any frequency when the equipment is in standalone receiver (standby) mode. Consequently, receiver spurious (Secondary radiated emissions) testing applies only when the equipment can work in a receive-only (standalone) mode or is a receive only device. Otherwise, receiver spurious (Secondary radiated emissions) are measured as part of the transmitter spurious emission.

The receiver and the transmitter always function simultaneously. Receiver spurious emission (Secondary radiated emissions) measurement results refer to Clause 3.4 - Spurious Emission & Unwanted Emission Intensity (Spurious Emission) measurement results.

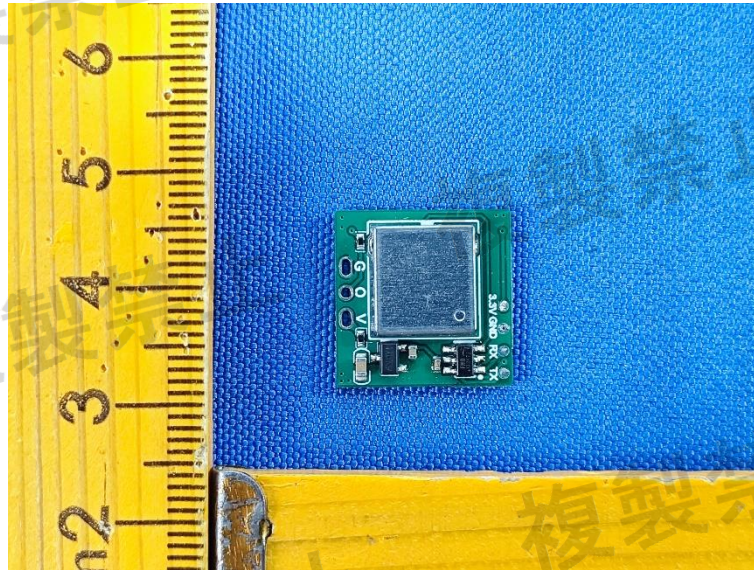
3.6 Construction protection method

Requirement

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily

Confirmation method

All high-frequency section and modulation section packet in one IC. And RF section is shield with metal cover, end user cannot modify easily.



3.7 Interference Prevention Function

Requirement

Clarify the device compliance with one or three of the follow methods.

Chiefly, the one automatically to transmit and to receive identification code with the wireless equipment off the wireless station used in the same premises.

Radio Equipment of Specified Low-power Radio Stations(The thing only which do not connect to telecommunications line), switch of frequency by user, or the thing which can perform a stop of the discharge of the radio wave easily.

By identifying the characteristics of the modulation scheme of the received radio waves and other, shall be able to identify the reflected wave of the radio waves which local station transmitted and the radio waves transmitted by other radio stations.

Confirmation

Good, PASS

Radio Equipment of Specified Low-power Radio Stations (The thing only which do not connect to telecommunications line), switch of frequency by user, or the thing which can perform a stop of the discharge of the radio wave easily.

3.8 Antenna Structure

Requirement

The gain of antenna used should less than 24dBi.

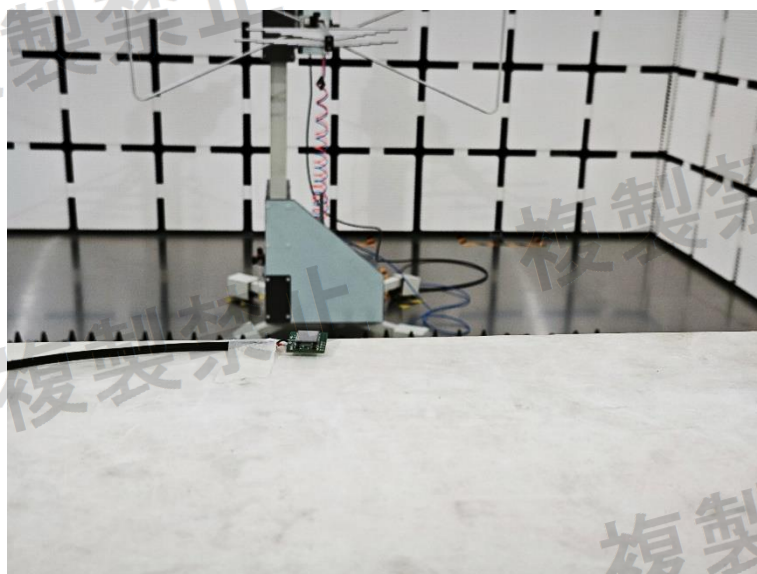
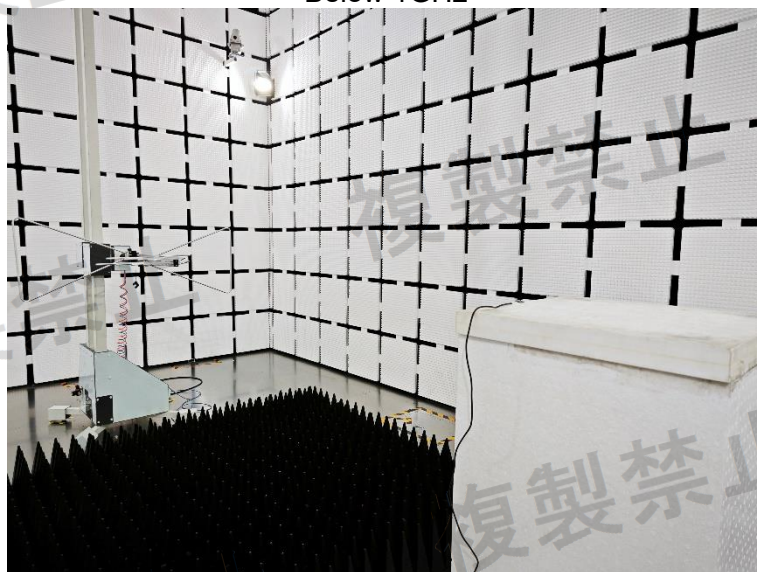
(When an E.I.R.P. is less than a limit*, the shortage shall be compensated for by the gain of the transmitting antenna.)*37dBm(0.02W + 24dBi)

Confirmation

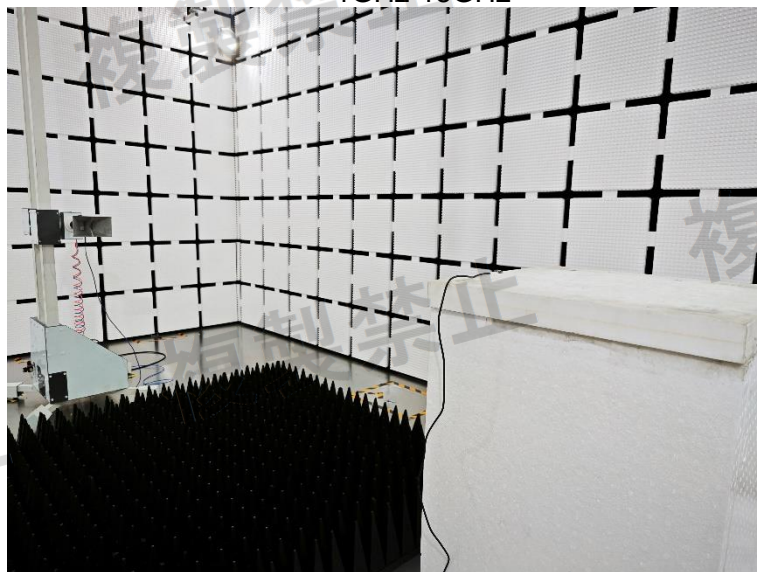
The gain of antenna used is 3.35dBi, good.

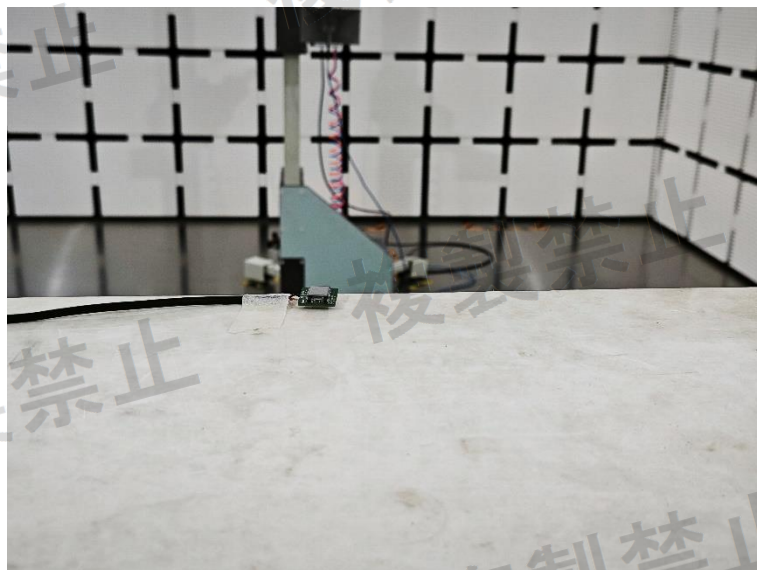
4 Test Setup Photographs of EUT

Below 1GHz

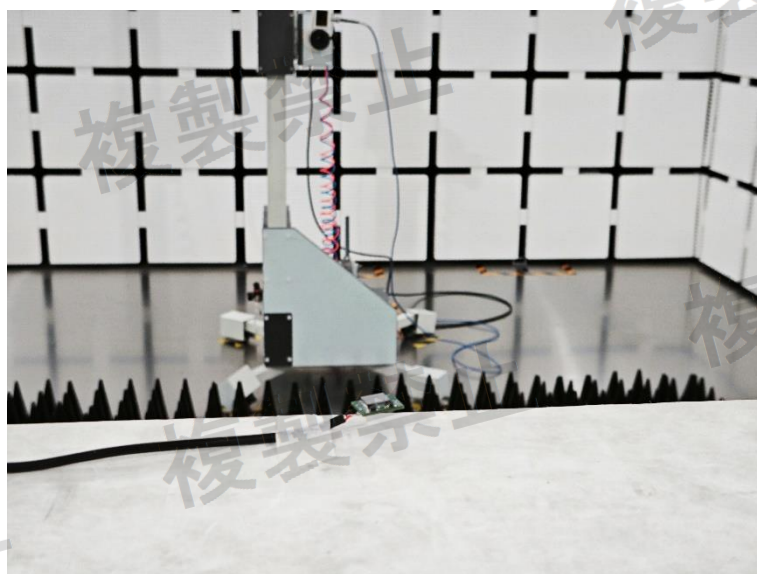
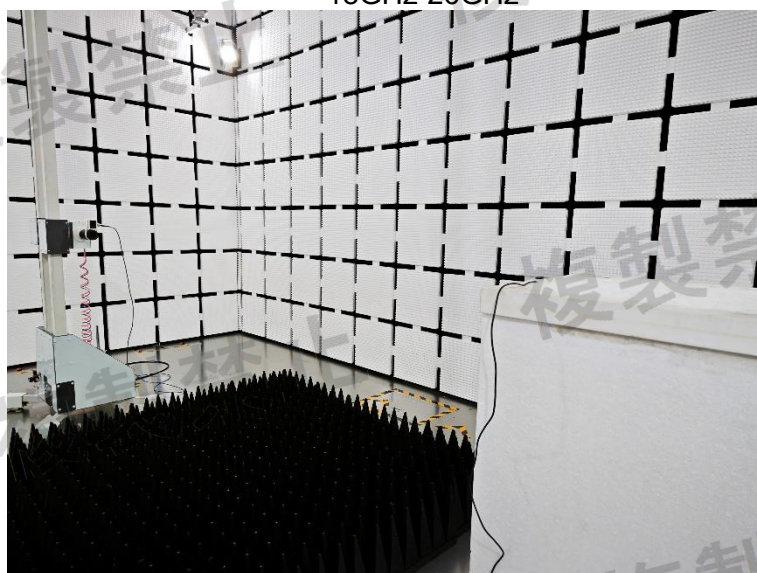


1GHz-18GHz

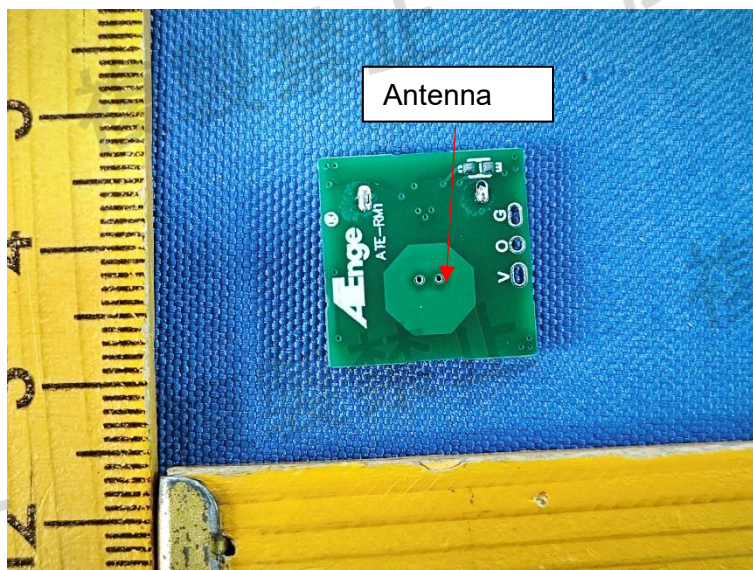
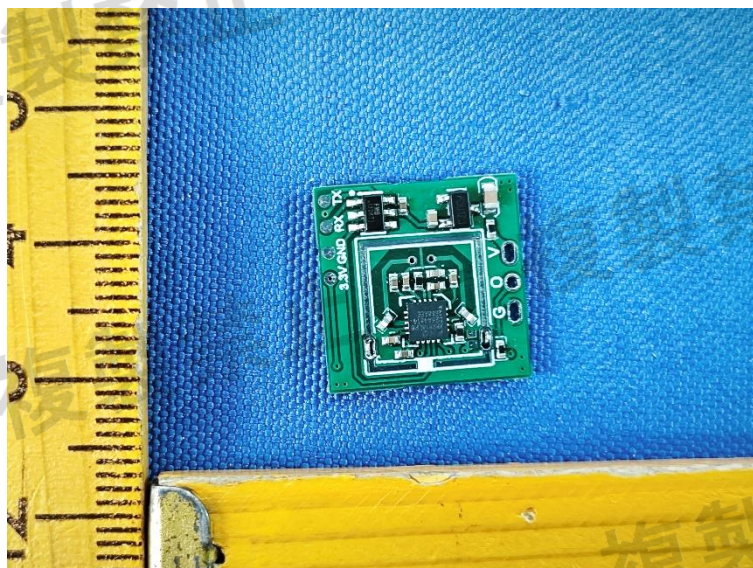
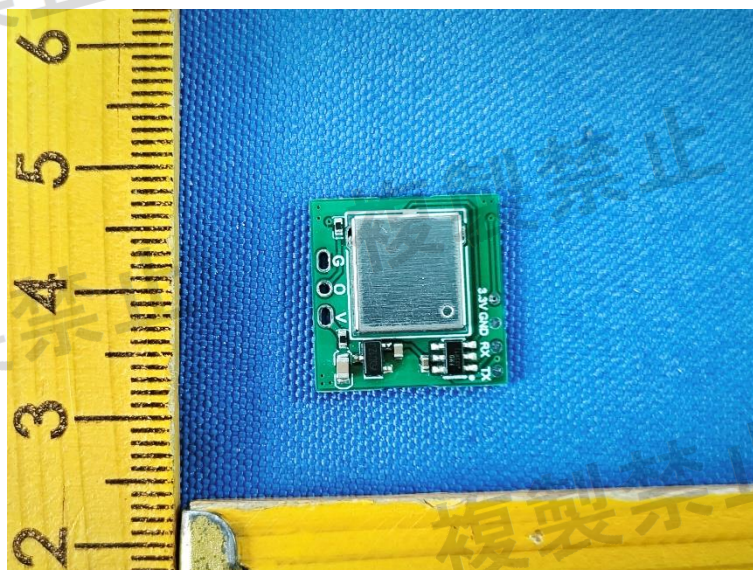




18GHz-26GHz



5 PHOTOS OF THE EUT



***** End of Report *****