

JAPAN RADIO TEST REPORT

Client Information:

Applicant: Shenzhen Yuxiang Zhixun Technology Co., Ltd
Applicant add.: No.501, no.27-3, Xintang Road, Xintian community, Fuhai street, Bao'an District, Shenzhen, China

Product Information:

Product Name: RC Black Hawk Simulator Helicopter
Model No.: F07
Series model: Please refer to page 6 for detail.
Brand Name: N/A
Standards: Item 19-2-2 of Article 2 Paragraph 1
MIC Notice No.88 Appendix No. 43

Prepared By:

Dongguan Yaxu (AiT) Technology Limited

Add.: No.22, Jinqianling Third Street, Jitigang, Huangjiang,
Dongguan, Guangdong, China

Date of Receipt: Aug. 12, 2025

Date of Test: Aug. 12, 2025~Aug. 27, 2025

Date of Issue: Aug. 28, 2025

Test Result: Pass

This device has been tested and found to comply with the stated standard(s) above, which is (are) applicable only to the tested sample identified in the report.

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Reviewed by:

Emiya Lin
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Approved by:

Simba Huang
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2 Test Summary

TEST	TEST REQUIREMENT	LIMIT/SEVERITY	RESULT
Antenna Requirement	MIC Notice No.88 Appendix No. 43	Notice 88 Appendix 43,B-1 (1)&(2)	PASS
Test frequency	MIC Notice No.88 Appendix No. 43	Notice 88 Appendix 43, A-3	PASS
Frequency Error	MIC Notice No.88 Appendix No. 43	±50 PPM or less	PASS
Occupied Bandwidth	MIC Notice No.88 Appendix No. 43	26 MHz or less	PASS
Spread-spectrum Bandwidth	MIC Notice No.88 Appendix No. 43	500 kHz or more	PASS
Antenna Power	MIC Notice No.88 Appendix No. 43	3 mW /MHz or less Error+20%; 10mW Error+20%	PASS
Spurious Emission of Tx	MIC Notice No.88 Appendix No. 43	(1) Below 2387 MHz : -26dBm (2) 2387 to 2400 MHz : -16dBm (3) 2483.5 through 2496.5 MHz : -16dBm (4) Over 2496.5 MHz : -26dBm	PASS
Dwell Time	MIC Notice No.88 Appendix No. 43	less than 0.4sec	N/A
Interference prevention capability	MIC Notice No.88 Appendix No. 43	Notice 88 Appendix 43, 44, 45	PASS
RF accessibility	MIC Notice No.88 Appendix No. 43	Notice 88 Appendix 43, 44, 45	PASS
Spurious Emission of Rx	MIC Notice No.88 Appendix No. 43	(1) Below 1 GHz: -54dBm (2) 1GHz or higher: -47dBm	PASS

Remark:

EUT: In this whole report EUT means Equipment Under Test.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radio Frequency.

2.1 Measurement Uncertainty

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%.

No.	Item	Uncertainty
1	Frequency Error / 99% & 90% Bandwidth	$\pm 0.85 \times 10^{-7}$
2	Antenna Power	± 0.70 dB
3	Spurious Emissions	± 0.80 dB
4	DC / AC Power Source	$\pm 1.4\%$

3 Test Facility

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

.CNAS- Registration No: L6177

Dongguan Yaxu (AiT) technology Limited is accredited to ISO/IEC 17025:2017 general Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the competence of testing and calibration laboratories) on April 18, 2022

FCC-Registration No.: 703111 Designation Number: CN1313

Dongguan Yaxu (AiT) 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.: 6819A CAB identifier: CN0122

The 3m Semi-anechoic chamber of Dongguan Yaxu (AiT) technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 6819A

A2LA-Lab Cert. No.: 6317.01

Dongguan Yaxu (AiT) 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.

3.1 Deviation from standard

None

3.2 Abnormalities from standard conditions

None

3.3 Test Location

Dongguan Yaxu (AiT) Technology Limited

Address: No.22, Jinqianling 3rd Street, Jitigang, Huangjiang,Dongguan, Guangdong, China

Tel.: +86-769-8202 0499

Fax.: +86-769-8202 0495

4 General Information

Manufacturer:	Shenzhen Yuxiang Zhixun Technology Co., Ltd
Manufacturer Address:	No.501, no.27-3, Xintang Road, Xintian community, Fuhai street, Bao'an District, Shenzhen, China
Product Name:	RC Black Hawk Simulator Helicopter
Model No.:	F07
Brand Name:	N/A
Series model:	F02,F07-V,F06,F08,F08-V,F09,F09-G,F09-N,F11-G,F11-N,F111,F112,F115,F116,F117,F118,F119,F12,F123,F124,F125,F126,F127,F128,F129,F15,F16,F17,F18,F19,F20,F22,F25,F26,F27,F29,F30,F31,F32,F33,F35
Operating Frequency	2450MHz to 2478MHz
Type of Modulation:	GFSK
Number of Channels	26 channels
Antenna Type	TX: Internal Antenna RX:Wire Antenna
Antenna gain:	TX:3.0dBi RX:1.0dBi
Power Supply Range:	Remote control: DC 6.0V(4*1.5V "AA" battery) Remote control aircraft: DC 7.4V from Li-ion battery
Normal Test Voltage:	The same as above
Hard Ware Version:	V1.0
Soft Ware Version:	V1.0
Model difference:	PCB board, structure and internal of these model(s) are the same, So no additional models were tested.

4.1 Test Location

All tests were performed at:

Dongguan Yaxu (AiT) Technology Limited
No.22, Jinqianling Third Street, Jitigang, Huangjiang, Dongguan, Guangdong, China.

Tel.: +86.769.82020499 Fax.: +86.769.82020495

4.2 EUT Peripheral List

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	Signal cord
1	N/A	N/A	N/A	N/A	N/A	N/A

4.3 Test Peripheral List

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	Signal cord
1	N/A	N/A	N/A	N/A	N/A	N/A

5 Equipment Used during Test

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date	Cal. Lab
1	SIGNAL Analyzer	R&S	FSV40	101470	2024.09.23	2025.09.22	Guangzhou Lisai
2	EMI Measuring Receiver	R&S	ESR	101660	2024.09.23	2025.09.22	Guangzhou Lisai
3	Power Meter	Agilent	U2021X	MY48610243	2024.09.23	2025.09.22	Guangzhou Lisai
4	Mobile phone	Samsung	GALAXY S4	R33D20 SQYNW	N/A	N/A	N/A
5	DC Power supply	Manson	HCS-3604	G521100129	2024.09.23	2025.09.22	Guangzhou Lisai
6	Digital Phosphor Oscilloscope	Tektronix	TDS3012	B021220	2024.09.23	2025.09.22	Guangzhou Lisai
7	Signal Generator	Agilent	N5182A	MY50143009	2024.09.23	2025.09.22	Guangzhou Lisai

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

- ☐ (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act.
- ☐ (b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act.
- ☒ (c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act.
- ☐ (d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above.

6 Test Results

6.1 Radio Technical Requirements Specification

Table 1: Radio Technical Requirements Specification for 2.4 GHz band wide-band low-power data communication system (Item 19-2-2 of Article 2-1)

Items	Technical standard
Assigned frequency or designated frequency	2,400-2,483.5MHz
Communication method	One-way communication, simplex, semi-duplex, or duplex operation of digital signal transmission including spread spectrum
Tolerance of frequency ($\times 10^{-6}$)	± 50 ppm
Tolerance of occupied bandwidth	FH : 83.5MHz or less FH + DS : 83.5MHz or less FH + OFDM : 83.5MHz or less OFDM(802.11n(HT40)) : 26-40MHz Others OFDM: 26MHz or less DSSS: 26MHz or less
Antenna power	Designated value (1) FH, FH+DS , FH+OFDM: 3mW/MHz (used in the range of 2427 - 2478.75 MHz) (2) OFDM , DS other than (1) 10mW/MHz (3) Other than (1) & (2) 10mW (4) OFDM OBW 26 - 40MHz: 5mW/MHz Tolerance: +20%
Antenna gain	1) 12.14 dBi or less in principle 2) In case of directional antenna (1) FH, FH+DS or FH+OFDM using 2427-2478.75 MHz EIRP $\leq$ 16.91 dBm/MHz (2) OFDM or DS other than (1) EIRP $\leq$ 22.14 dBm/MHz (3) Other than (1) and (2): 22.14 dBm or less (4) OFDM OBW 26 - 40MHz: 19.14dBm/MHz (5) Half-power angle of directional antenna (θ) in case of the item 2): $\theta \leq 360/A$ (The A is 10 in maximum.)
Tolerance of spurious emission intensity	(1) Below 2387 MHz : 2.5 μ W (2) 2387 to 2400 MHz : 25 μ W (3) 2483.5 through 2496.5 MHz : 25 μ W (4) Over 2496.5 MHz : 2.5 μ W
Spreading bandwidth	DS,FH,FH+DS,FH+OFDM : 500kHz or more
Spreading rate of spectrum	For DS system:(Spreading bandwidth) / (Frequency corresponding to transmission rate) ≥ 5
Limit of secondary radiated emissions	(1) Below 1 GHz : 4 nW (2) 1 GHz or higher : 20 nW
Interference prevention function	Shall have the function of automatic transmission and reception of identification sign.
Structure	Shall be of the structure that the RF and modulator sections excluding antenna cannot easily be opened.
Note	DS: Direct spread FH: Frequency hopping OFDM: Orthogonal frequency division multiplexing

6.2 E.U.T. Test Conditions

Power supply:

The measurement result of the voltage fluctuation at RF circuit when DC 6.0V +/- 10%.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$).

So, all measurements were conducted at only rated voltage DC 6.0V.

DC INPUT	DC3V3
6.0V	3.3V
6.6V	3.3V
5.4V	3.3V

Pre-test the EUT in all voltage mode at the DC 6.6V, DC 6.0V and DC 5.4V and conducted to determine the worst-case mode, only the worst-case results (DC 6.0V) are recorded in this report.

Temperature:

23.55 °C

Humidity:

52.36 % RH

Atmospheric Pressure:

1005 mbar

Test frequencies:

If the EUT can be set to 3 or more different (aircraft) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.

Parameters of test software setting

During testing channel & power controlling software provided by the manufacturer was used to control the operating channel as well as the output power level.

Test software Version	fixed in EUT by manufacturer		
Frequency	2450 MHz	2466 MHz	2478 MHz
Parameters	Default	Default	Default

EUT channels and frequencies list:

For DSSS:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2450.0	11	2460.0	21	2473.0
2	2451.0	12	2461.0	22	2474.0
3	2452.0	13	2462.0	23	2475.0
4	2453.0	14	2466.0	24	2476.0
5	2454.0	15	2467.0	25	2477.0
6	2455.0	16	2468.0	26	2478.0
7	2456.0	17	2469.0		
8	2457.0	18	2470.0		
9	2458.0	19	2471.0		
10	2459.0	20	2472.0		

Test frequencies are the lowest channel: 1 channel(2450 MHz), middle channel: 14 channel(2466 MHz) and highest channel: 26 channel(2478 MHz)

6.3 Antenna Requirement

Standard requirement

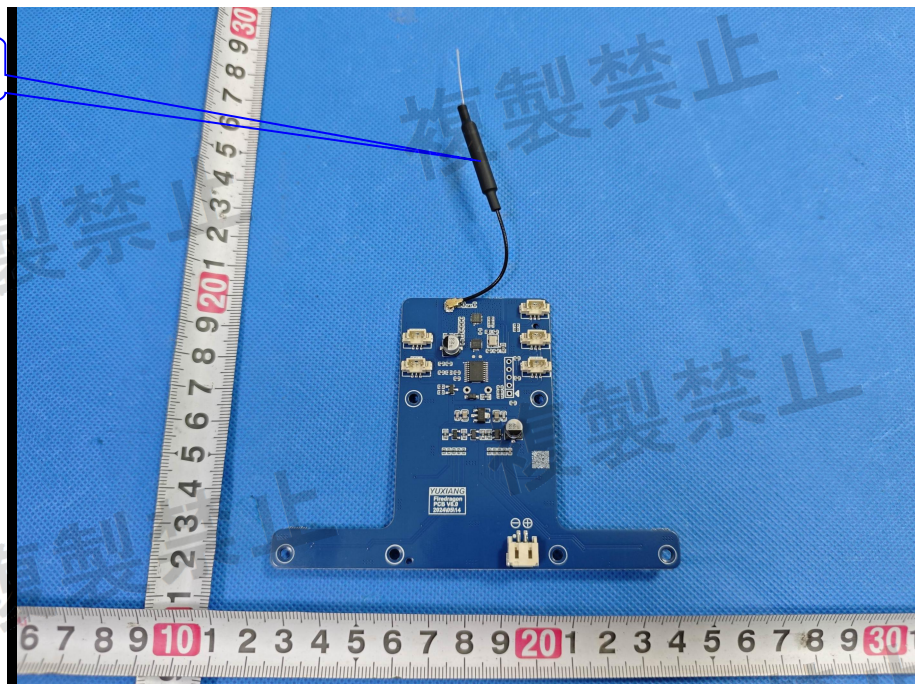
Applicable for equipment with an antenna terminal, including testing terminals) If an antenna connector is available, all relevant tests will be aircraftried out conducted. If not, tests will be aircraftried out in an anechoic room or with a suitable test-fixture.

EUT Antenna

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the main antenna is TX:3.0dBi, RX:1.0dBi.

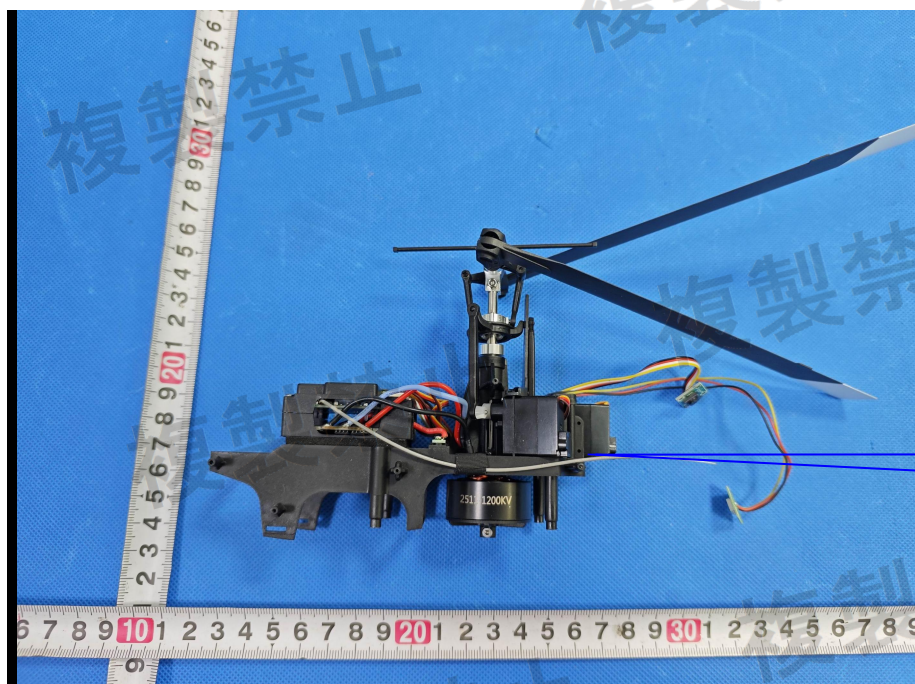
Tx

Tx Antenna



Rx

Rx Antenna



Result: All relevant tests will be aircraftried out conducted.

6.4 Interference Prevention Function

The device consists of the Integrated antenna and 2.4 GHz module; Component module also can use the protocol function to protect interference come from outside.

Test Procedure:

The measuring method was according to MIC Notice No.88 Appendix No.43.

A. Transmit the assigned identification code from the radio equipment.

B. Confirm the identification code received by the demodulator.

Note: Radio interference prevention capability was conformed.

Device MAC

03:C3:L3:8U:63:E5

Test result: The unit does meet the requirements.

6.5 Frequency Error

Test Requirement:

MIC Notice No.88 Appendix No. 43

Tolerance of frequency: $\pm 50 \times 10^{-6}$

Temperature:

23.0 °C

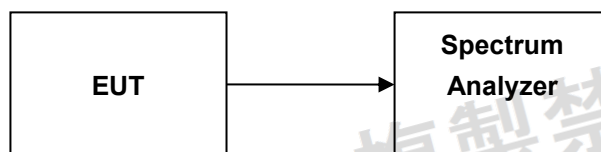
Humidity:

55 % RH

Test Status:

Test the EUT in transmitting mode without modulation.

Test Configuration:



Test Procedure:

1. Test Conditions:

Frequency Counter or Spectrum Analyzer is used for measurement.

2. EUT conditions:

EUT have transmitted continuous maximum power

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 2MHz

RBW 10 kHz (Modulation OFF for FHSS; Modulation ON for DSSS),

VBW 10 kHz (Modulation OFF for FHSS; Modulation ON for DSSS),

Sweep Time Auto

Detector mode Positive peak

Indication mode Max hold

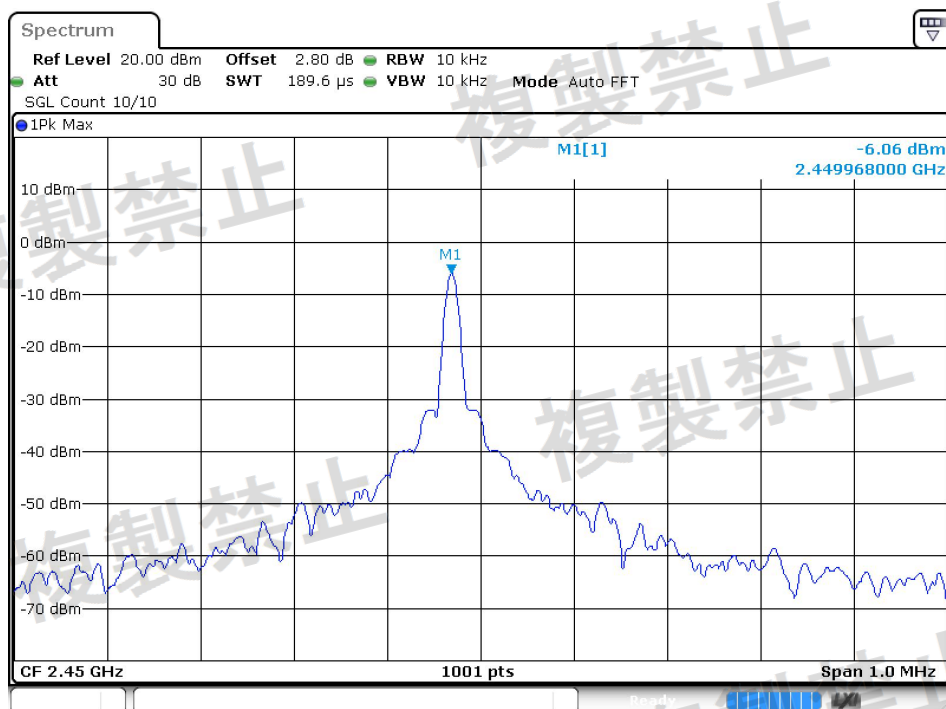
Test result:

Test channel	Test Frequency (MHz)	Test Result			Unit	Limit
		Normal Voltage	High Voltage	Low Voltage		
		6.0V DC	6.6V DC	5.4V DC		
Lowest	2450.0	2449.968	N/A	N/A	MHz	±50 PPM or less
		-13.06	N/A	N/A	PPM	
Middle	2466.0	2465.968	N/A	N/A	MHz	
		-12.98	N/A	N/A	PPM	
Highest	2478.0	2477.969	N/A	N/A	MHz	
		-12.51	N/A	N/A	PPM	

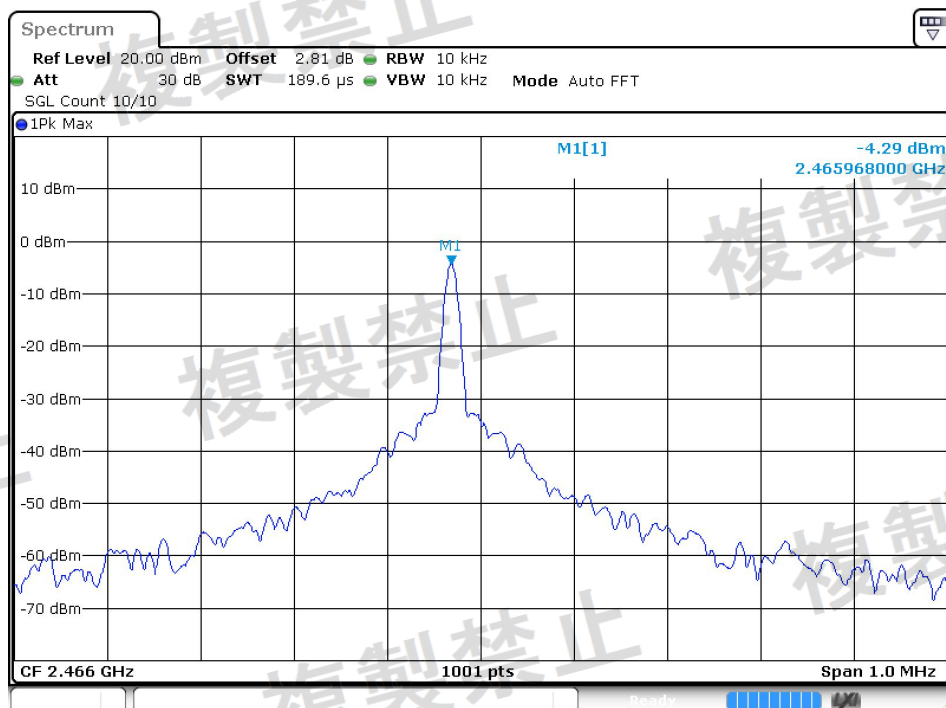
Note: The nominal frequency shall be confirmed by the applicant and test lab.

Result normal condition plot as follows:

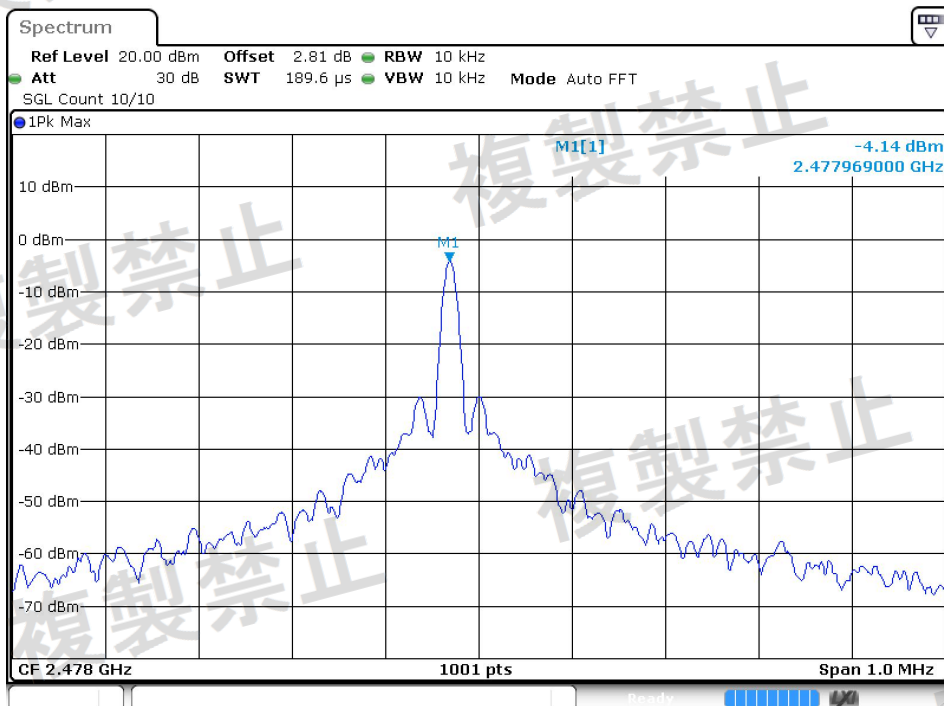
Lowest Channel : 2450MHz:



Middle Channel : 2466MHz:



Highest Channel : 2478MHz



Test result: The unit does meet the requirements.

6.6 Occupied Bandwidth (99%)

Test Requirement:

MIC Notice No.88 Appendix No. 43

83.5MHz or less(FHSS)

26 MHz or less(others)

Temperature:

23.0 °C

Humidity:

55 % RH

Test Status:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

Test Configuration:



Test Procedure:

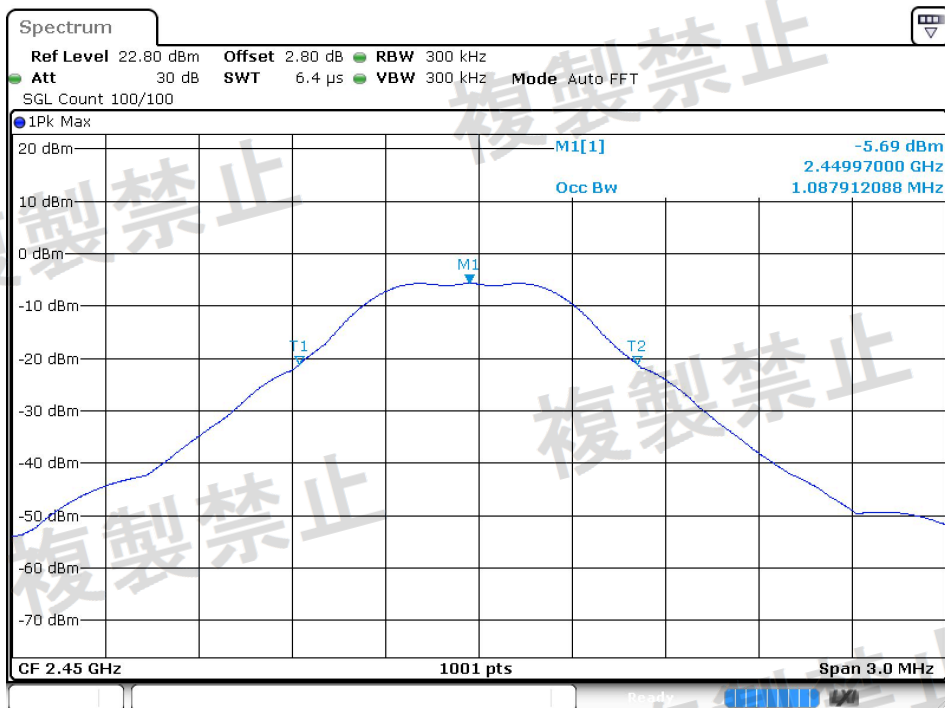
1. Test Conditions:
Spectrum Analyzer is used for measurement.
2. EUT conditions:
EUT have transmitted continuous maximum power
3. Spectrum Analyzer conditions:
Frequency: Test Frequency
Span: 120 MHz(FHSS), 3MHz(DSSS)
RBW: 1 MHz(FHSS), 300 kHz(DSSS)
VBW: 1 MHz(FHSS), 300 kHz(DSSS)
Sweep Time Auto
detector mode Positive peak
Indication mode Max hold
OBW 99%

Test result:

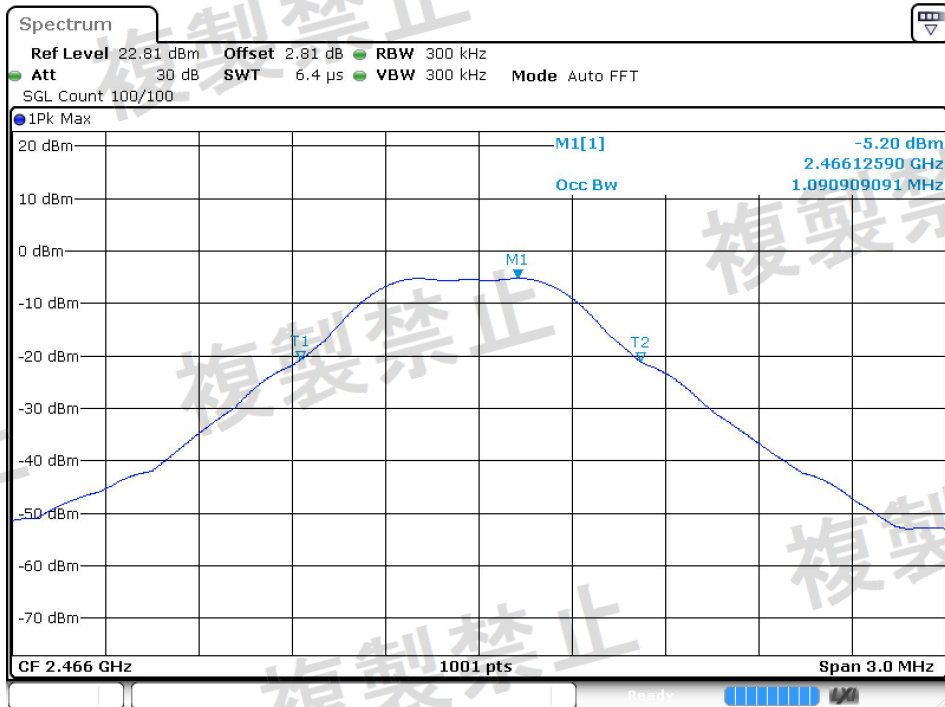
Test channels	Test Result			Unit
	Normal Voltage	High Voltage	Low Voltage	
	6.0V DC	6.6V DC	5.4V DC	
2450	1.088	N/A	N/A	MHz
2466	1.091	N/A	N/A	MHz
2478	1.082	N/A	N/A	MHz

Result normal condition plot as follows:

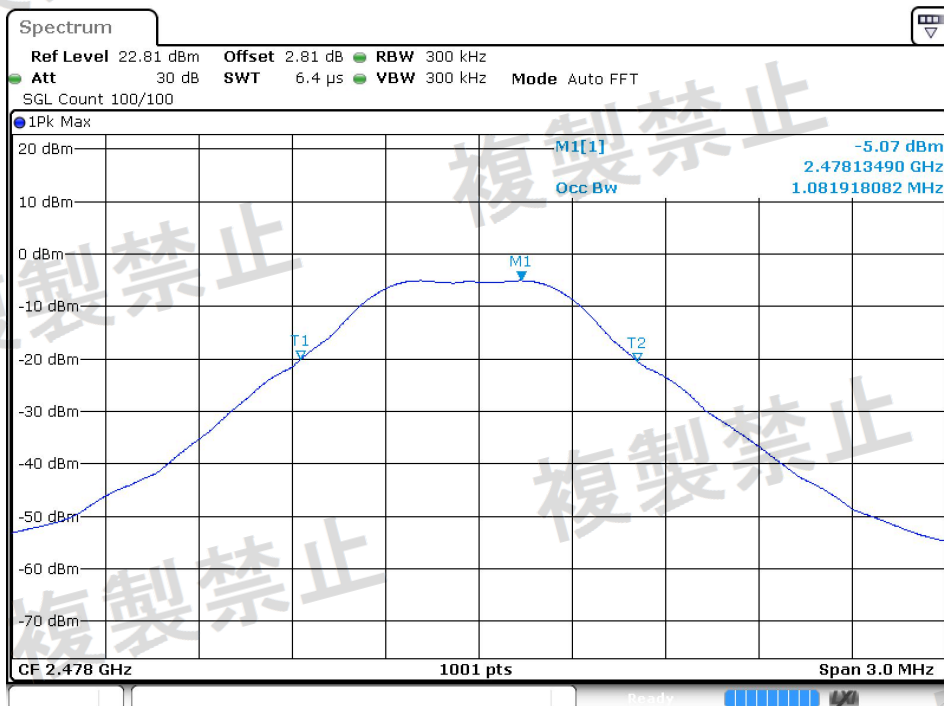
Lowest Channel : 2450MHz:



Middle Channel : 2466MHz:



Highest Channel : 2478MHz



Test result: The unit does meet the requirements.

6.7 Spread Spectrum Bandwidth (90%)

Test Requirement:	MIC Notice No.88 Appendix No. 43 500 kHz or more
Temperature:	23.0 °C
Humidity:	55 % RH
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

Test Configuration:



Test Procedure:

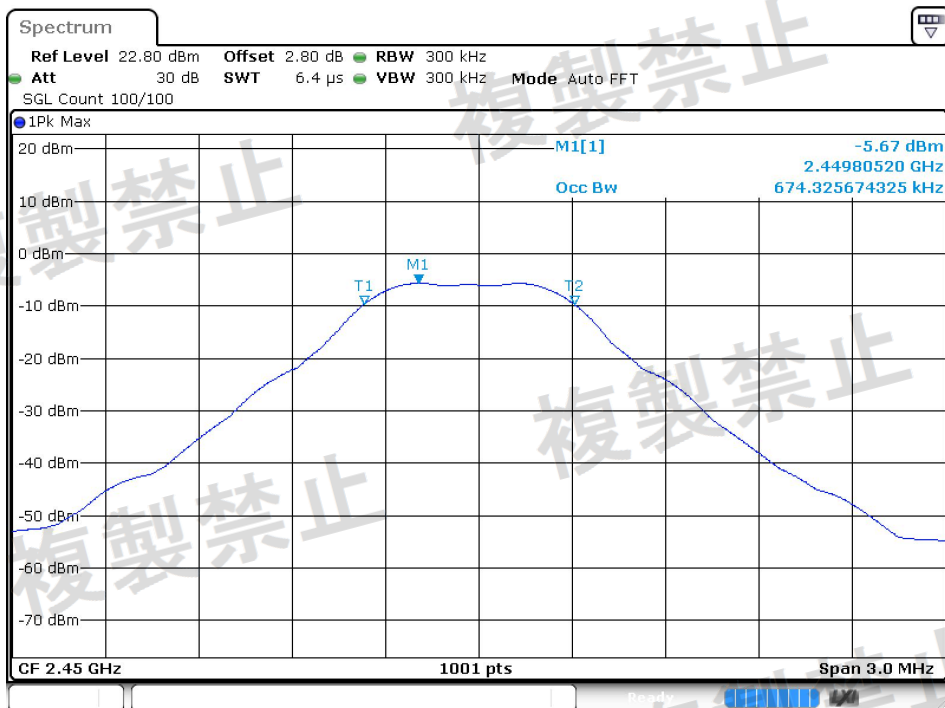
1. Test Conditions:
Spectrum Analyzer is used for measurement.
2. EUT conditions:
EUT have transmitted continuous maximum power
3. Spectrum Analyzer conditions:
Frequency: Test Frequency
Span: 120 MHz(FHSS), 3MHz(DSSS)
RBW: 300 kHz (FHSS), 300 kHz(DSSS)
VBW: 300 kHz (FHSS), 300 kHz(DSSS)
Sweep Time Auto
detector mode Positive peak
Indication mode Max hold
OBW 90%

Test result:

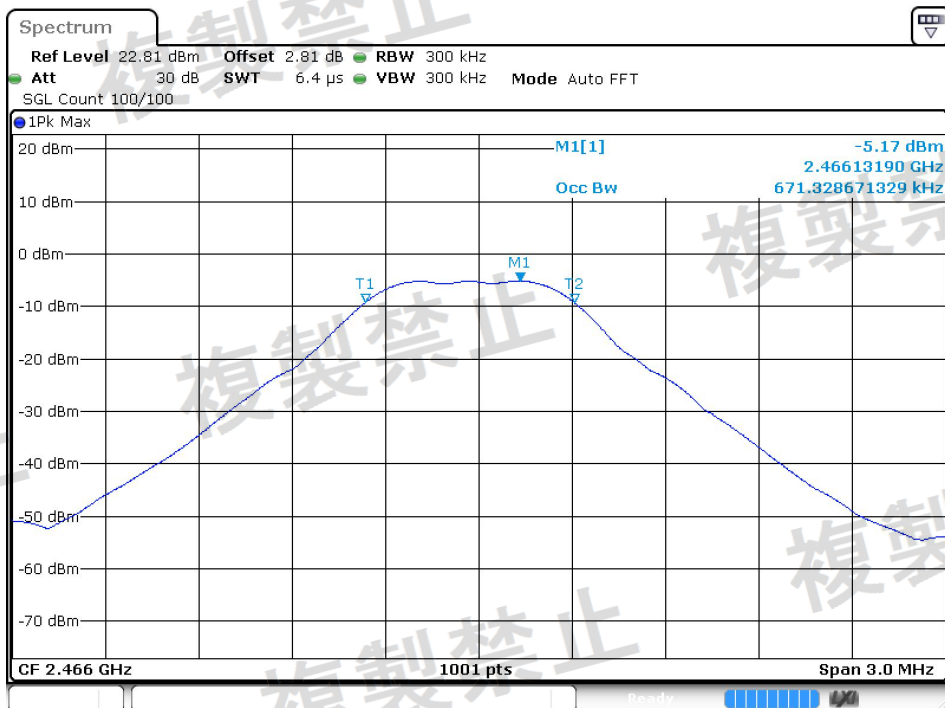
Test channels	Test Result			Unit
	Normal Voltage	High Voltage	Low Voltage	
	6.0V DC	6.6V DC	5.4V DC	
2450	0.674	N/A	N/A	MHz
2466	0.671	N/A	N/A	MHz
2478	0.671	N/A	N/A	MHz

Result normal condition plot as follows:

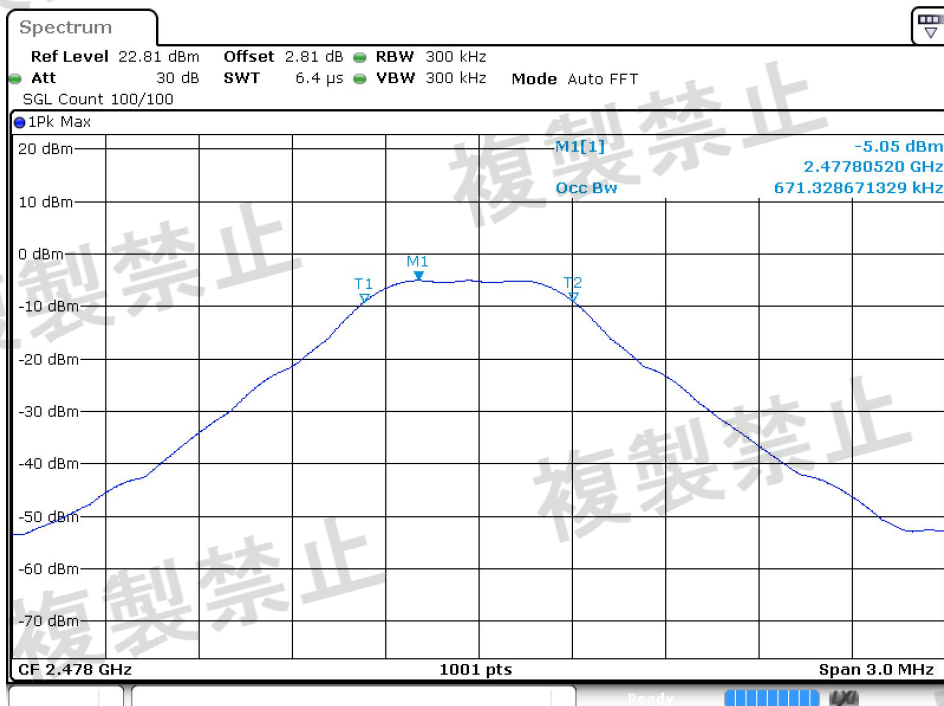
Lowest Channel : 2450MHz:



Middle Channel : 2466MHz:



Highest Channel : 2478MHz



Test result: The unit does meet the requirements.

6.8 Antenna Power

Test Requirement:

MIC Notice No.88 Appendix No. 43

3mW/MHz or less(FHSS)

10mW and less(DSSS)

Temperature:

23.0 °C

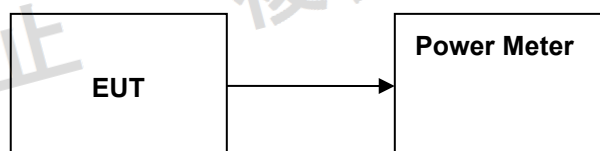
Humidity:

55 % RH

Test Status:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

Test Configuration:



Test Procedure:

1. Test Conditions:

Power Meter

2. EUT conditions:

EUT have transmitted continuous maximum power

3. Power Sensor:

The EUT was directly connected to the Power Meter and antenna output port as show in the block diagram. Measure the peak power using the Power Meter.

Test result:

Test channels	Test Result			Unit	Limit
	Normal Voltage	High Voltage	Low Voltage		
	6.0V DC	6.6V DC	5.4V DC		
2450MHz	0.38	N/A	N/A	mW	10 mW or less Error +20%
	-5.00	N/A	N/A	%	
2466 MHz	0.35	N/A	N/A	mW	
	-12.50	N/A	N/A	%	
2478 MHz	0.37	N/A	N/A	mW	
	-7.50	N/A	N/A	%	

Remark: Normal antenna power: F1D:0.40mW

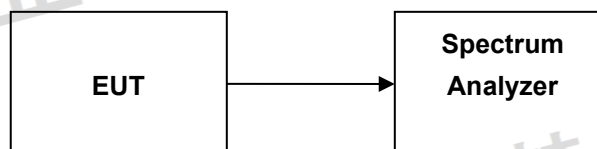
E.I.R.P.

Test channels	Antenna Power(dBm)	Gain(dBi)	E.I.R.P.(dBm)	Limit(dBm)
2450MHz	-4.20	3.0	-1.2	12.14
2466 MHz	-4.56	3.0	-1.56	12.14
2478 MHz	-4.32	3.0	-1.32	12.14

6.9 Spurious Emissions of Tx

Test Requirement:	MIC Notice No.88 Appendix No. 43 (1) Below 2387 MHz : 2.5Mw/MHz (2) 2387 to 2400 MHz : 25Mw/MHz (3) 2483.5 through 2496.5 MHz : 25Mw/MHz (4) Over 2496.5 MHz : 2.5Mw/MHz
Temperature:	23.0 °C
Humidity:	55 % RH
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

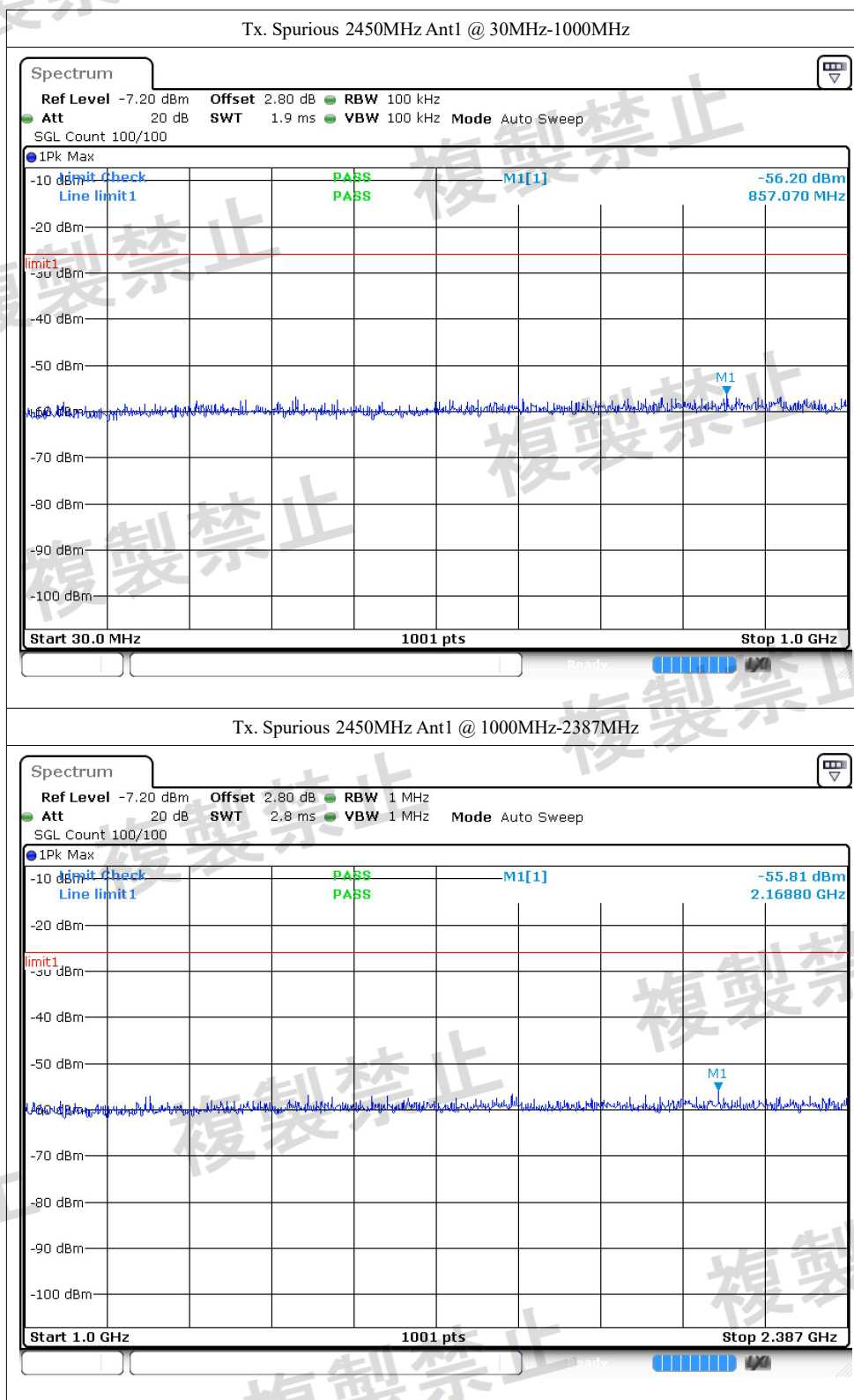
Test Configuration:



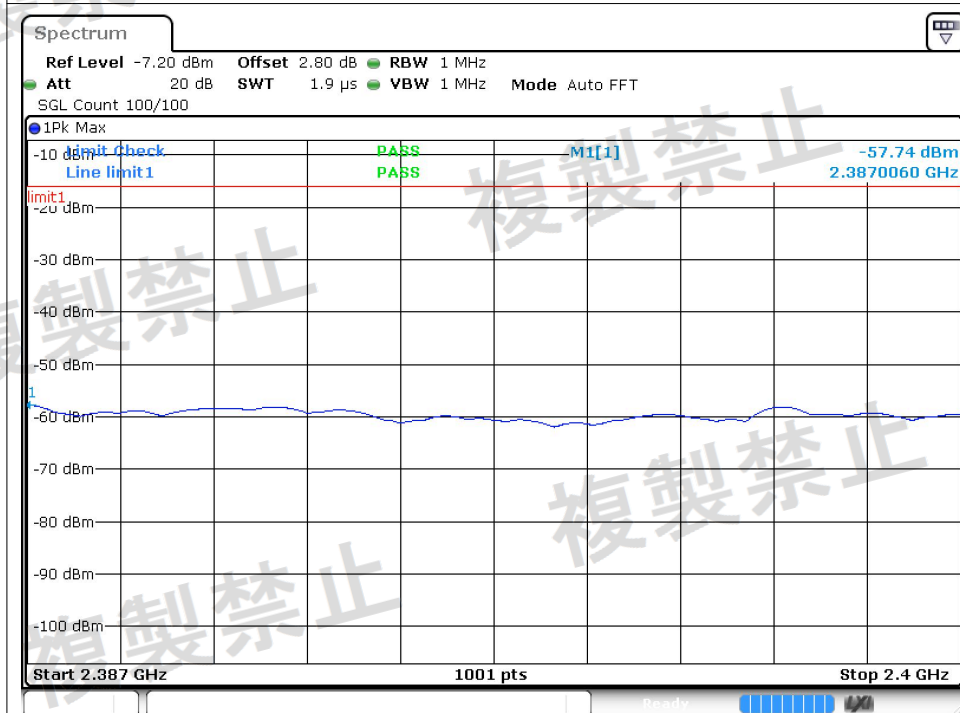
Test Procedure:

1. Test Conditions:
Spectrum Analyzer is used for measurement.
2. EUT conditions:
EUT have transmitted continuous maximum power
3. Spectrum Analyzer conditions:
Step 1
All spurious are measured from 30 MHz to 13 GHz by peak mode.
Step 2
IF the value measured by Step1 is 2 Db or less, measure in average mode.
Test setup for Step 1:
Frequency: 30 MHz – 1000 MHz,
RBW 100 kHz (Below 1000 MHz), VBW 100 kHz (Below 1000 MHz)
1000 MHz – 2400 MHz, 2483.5 MHz –13 GHz
RBW 1 MHz (above 1000 MHz), VBW 1 MHz (above 1000 MHz)
Sweep Time Auto
detector mode Positive peak, Indication mode Max hold
Test setup for Step 2:
Frequency: Spurious Frequency
RBW 100 kHz (Below 1000 MHz), VBW 100 kHz (Below 1000 MHz)
RBW 1 MHz (above 1000 MHz), VBW 1 MHz (above 1000 MHz)
Sweep Time Auto,
Detector mode Sample, Indication mode Max hold

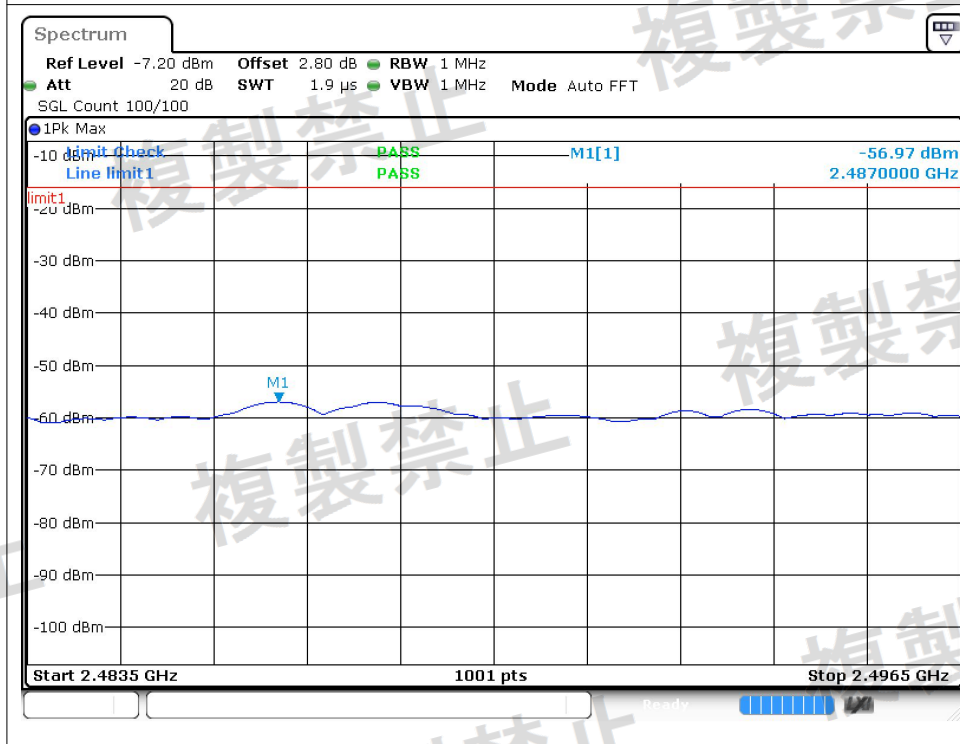
Test result:



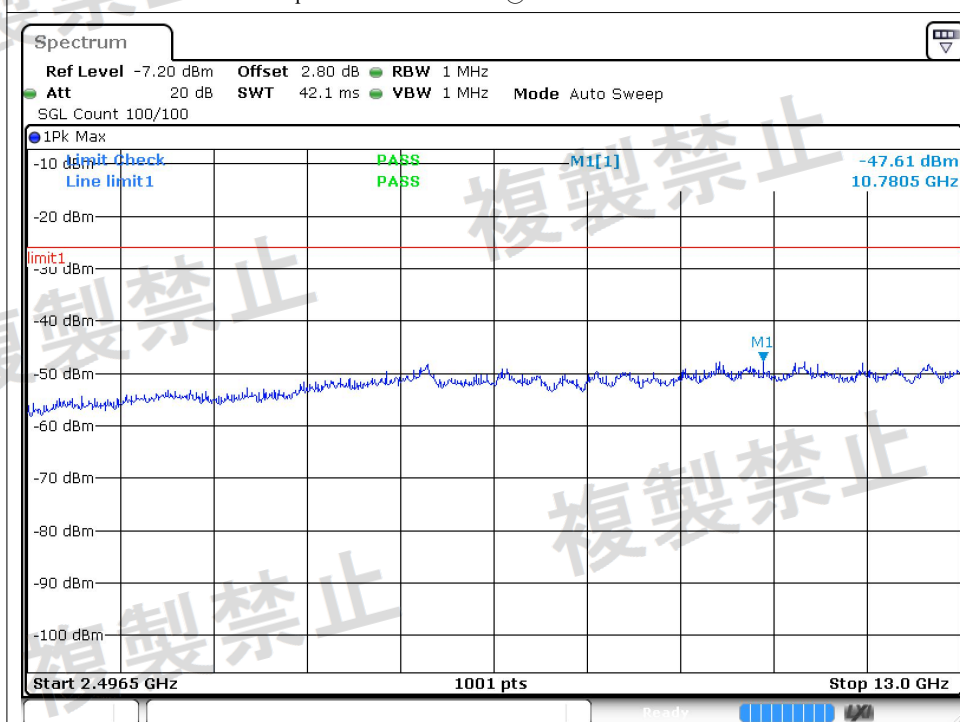
Tx. Spurious 2450MHz Ant1 @ 2387MHz-2400MHz



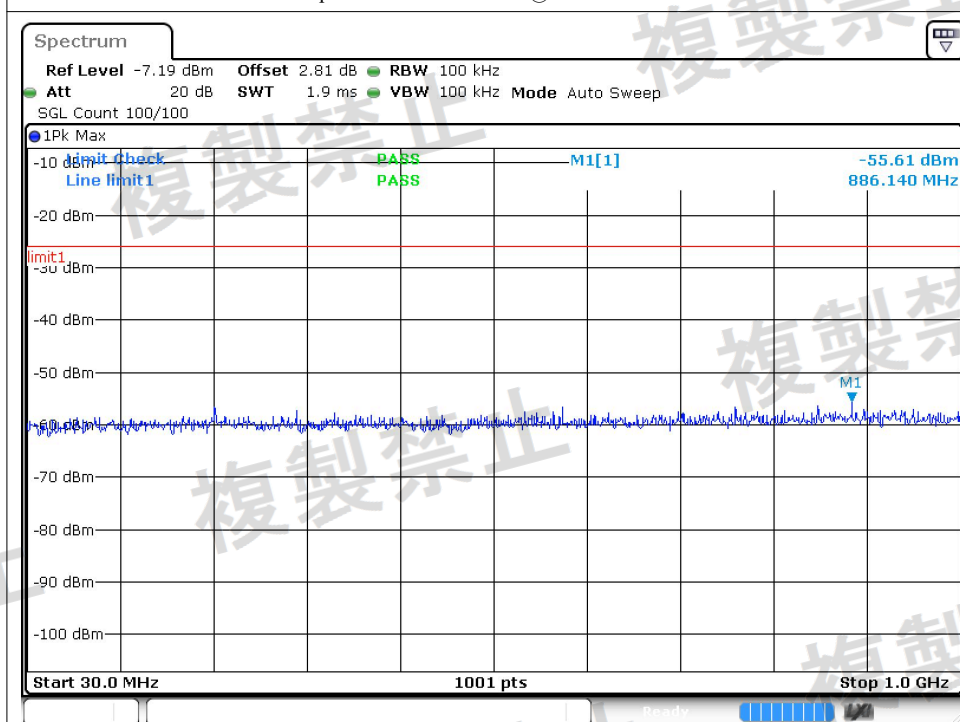
Tx. Spurious 2450MHz Ant1 @ 2483.5MHz-2496.5MHz



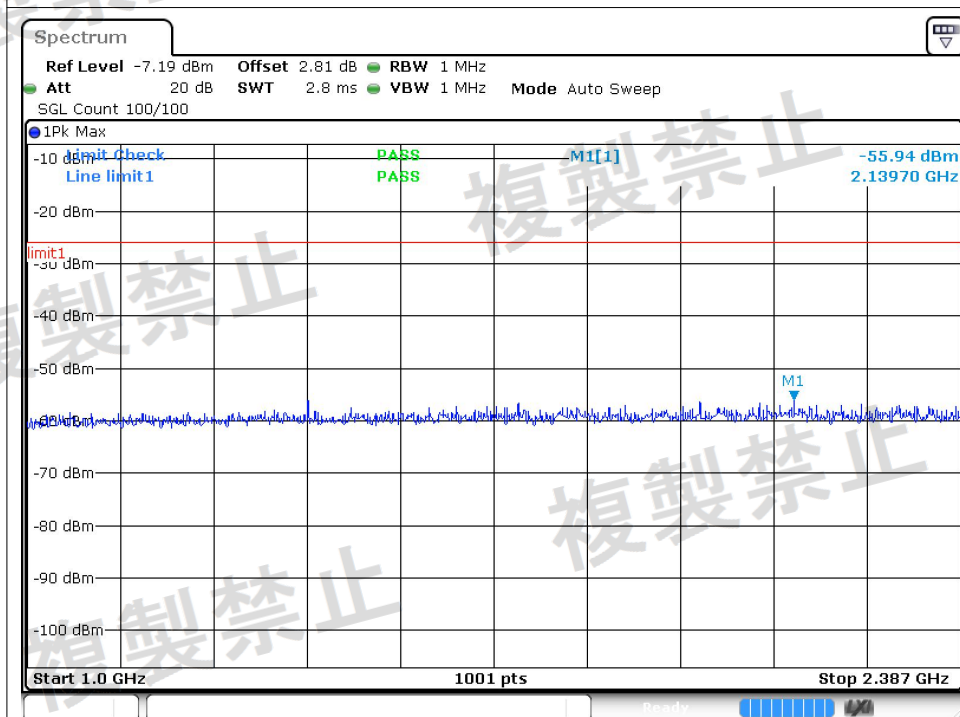
Tx. Spurious 2450MHz Ant1 @ 2496.5MHz-13000MHz



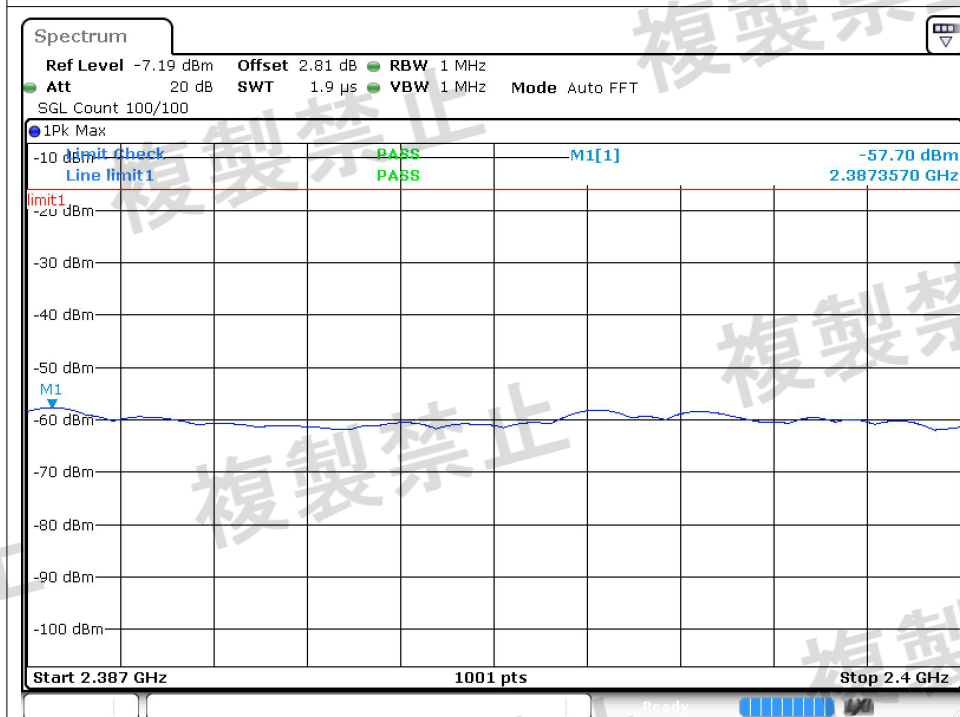
Tx. Spurious 2466MHz Ant1 @ 30MHz-1000MHz



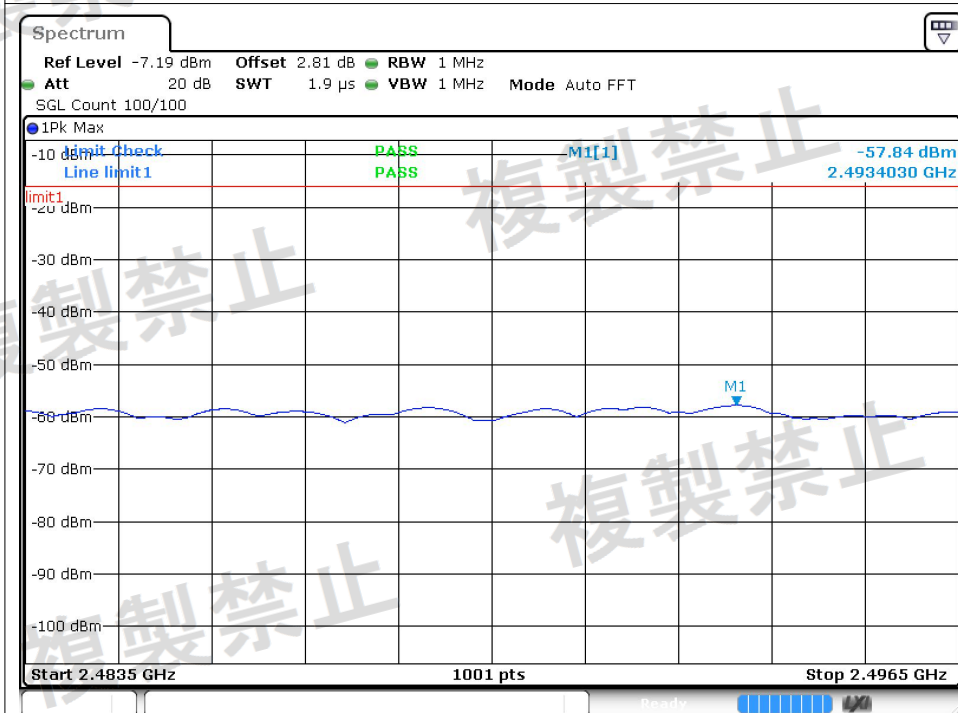
Tx. Spurious 2466MHz Ant1 @ 1000MHz-2387MHz



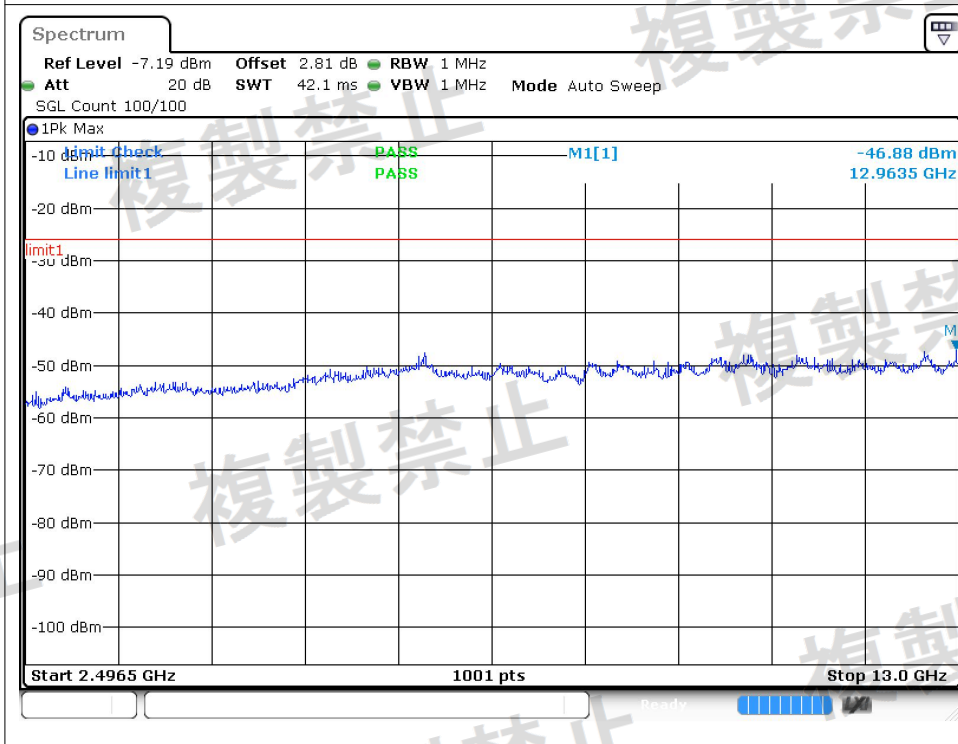
Tx. Spurious 2466MHz Ant1 @ 2387MHz-2400MHz



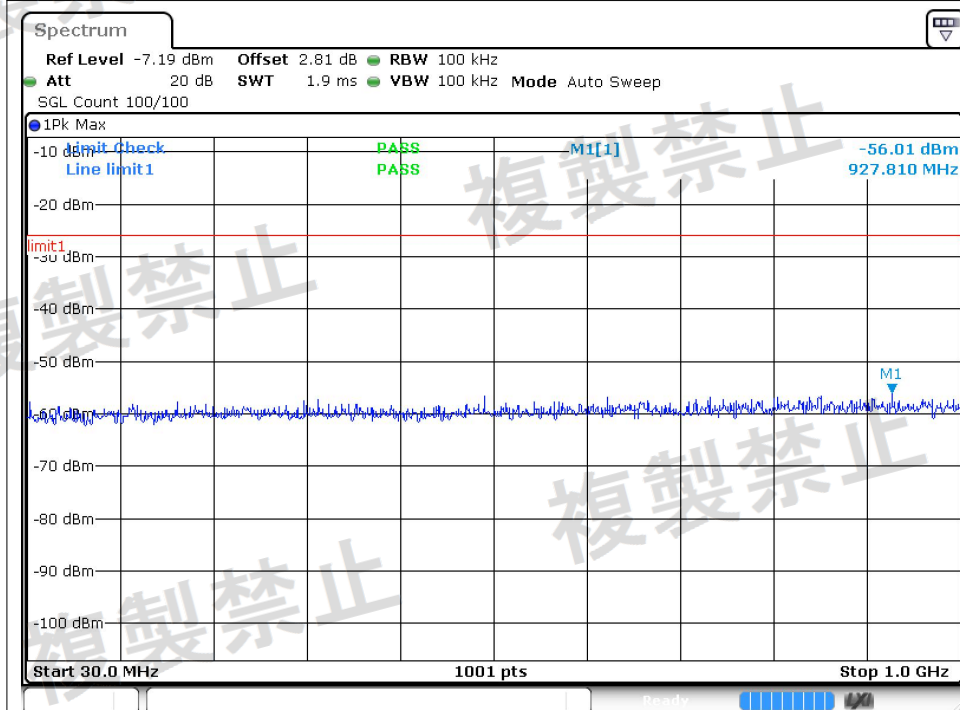
Tx. Spurious 2466MHz Ant1 @ 2483.5MHz-2496.5MHz



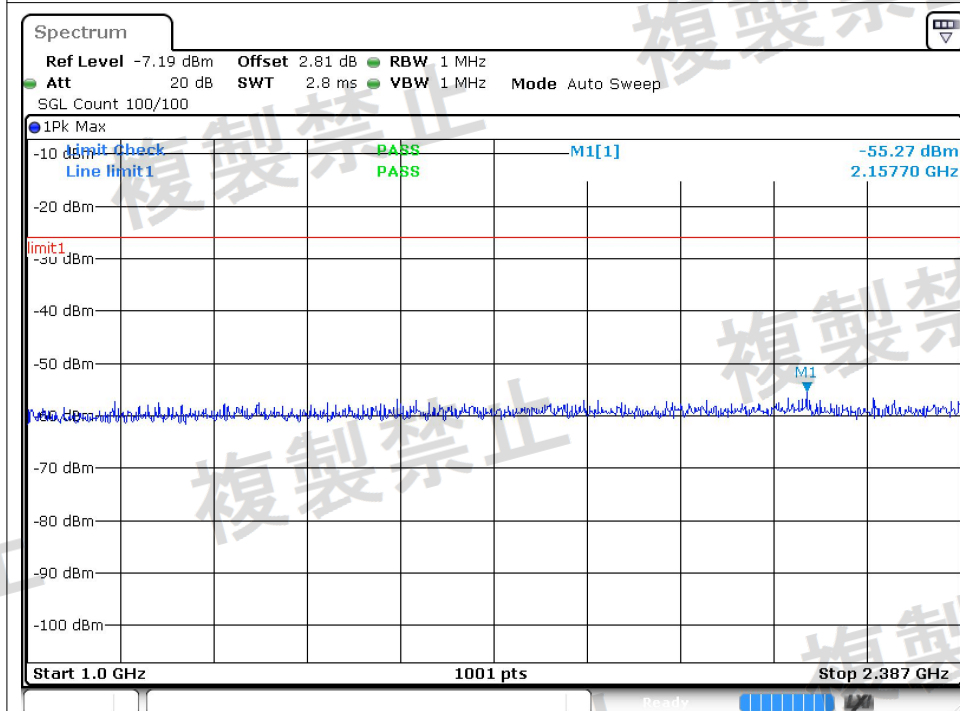
Tx. Spurious 2466MHz Ant1 @ 2496.5MHz-13000MHz



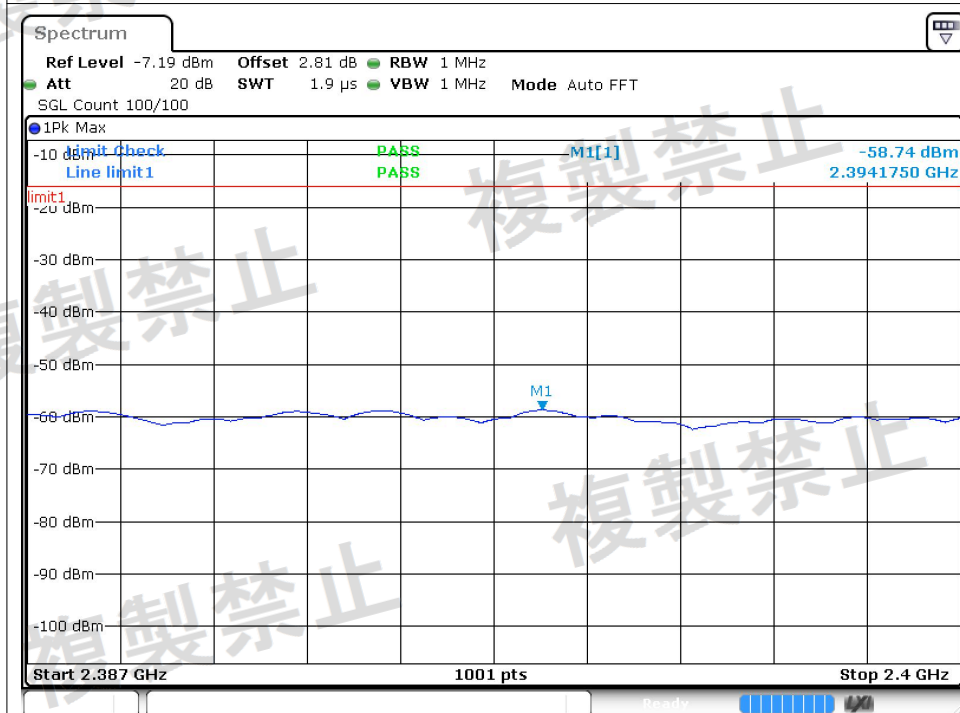
Tx. Spurious 2478MHz Ant1 @ 30MHz-1000MHz



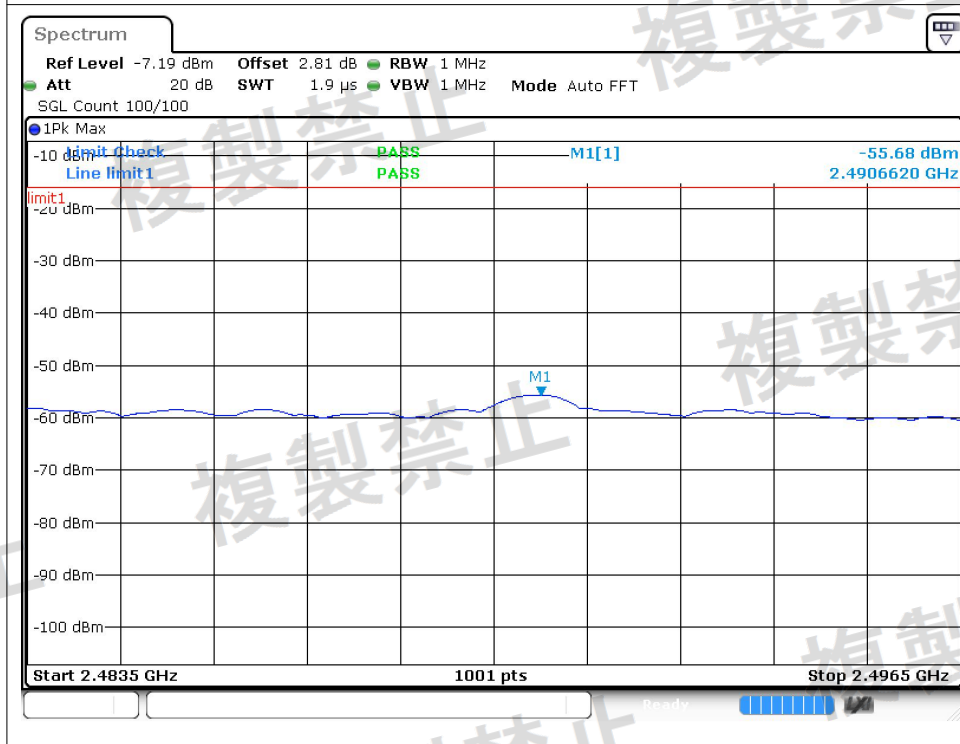
Tx. Spurious 2478MHz Ant1 @ 1000MHz-2387MHz

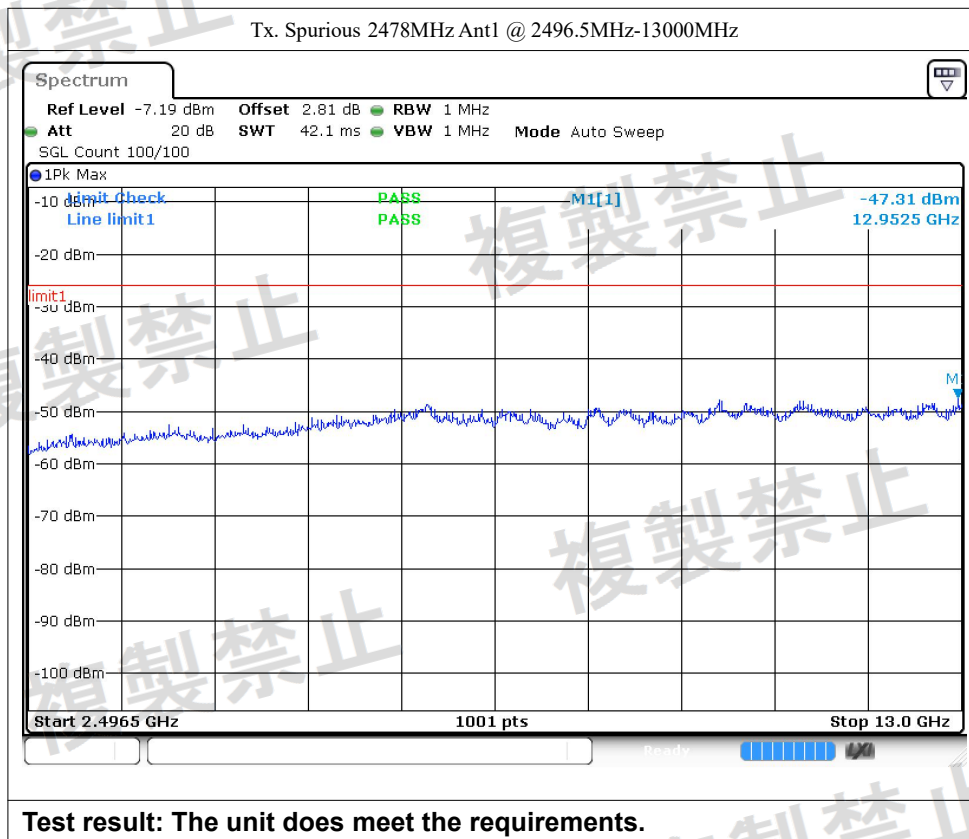


Tx. Spurious 2478MHz Ant1 @ 2387MHz-2400MHz



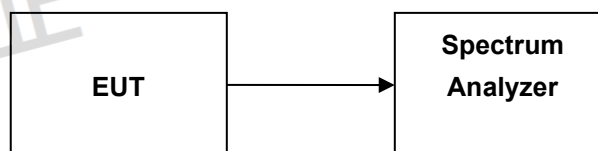
Tx. Spurious 2478MHz Ant1 @ 2483.5MHz-2496.5MHz





6.10 Dwell Time

Test Requirement:	MIC Notice No.88 Appendix No. 43 less than 0.4sec
Temperature:	23.0 °C
Humidity:	55 % RH
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below. Modulation/Spread/Hopping ON, Hopping frequency is fixed, Bluetooth equipment is setting DH5 mode
Test Configuration:	



Test Procedure:

- Test Conditions:
Spectrum Analyzer is used for measurement.
- EUT conditions:
EUT have transmitted continuous maximum power
- Spectrum Analyzer conditions:
Frequency: Test Frequency (fixed hopping frequency)
Span 0 Hz
RBW 1 MHz
VBW 1 MHz
Sweep Time EUT condition
Trigger Video Trigger
Measures the Transmission time of 1 burst (sec)
Measures the Burst cycle (sec)
- Calculation procedure :
Dwell time = (0.4(s) x [spreading rate] x [Transmission time of 1 burst(s)]) / ([burst cycle(s)] x [No. of hopping channel])
Note:
* Spreading rate = [Spread bandwidth (actual measurement value)] / [Transmission rate]

Test result:

N/A

6.11 RF Accessibility

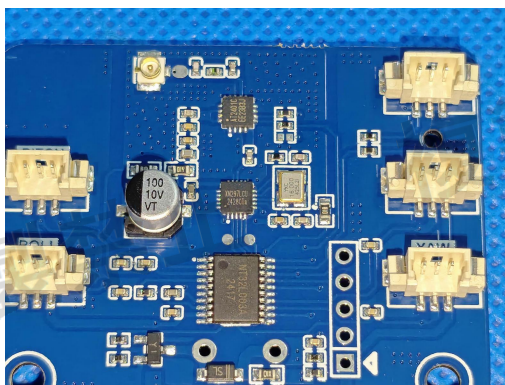
Standard requirement

Article 2, Item (19) Notice 88 Appendix 43, 44, 45

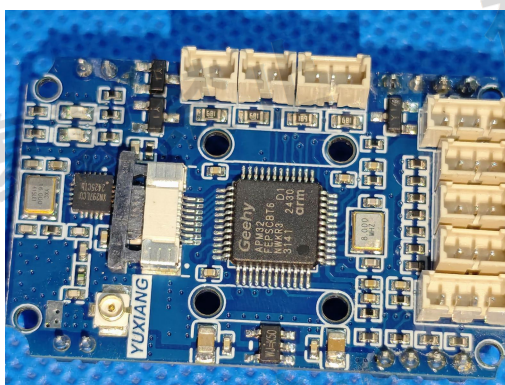
The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

The Product cannot be manipulated since it is a highly integrated design in IC and has no accessible adjustable components. It is not easily changed by users. Please refer to following for photo for details.

Tx

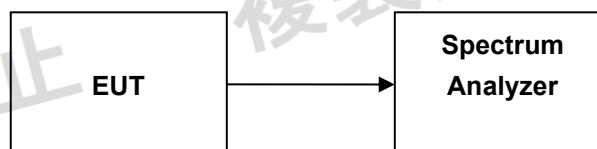


Rx



6.12 Spurious Emissions of Rx

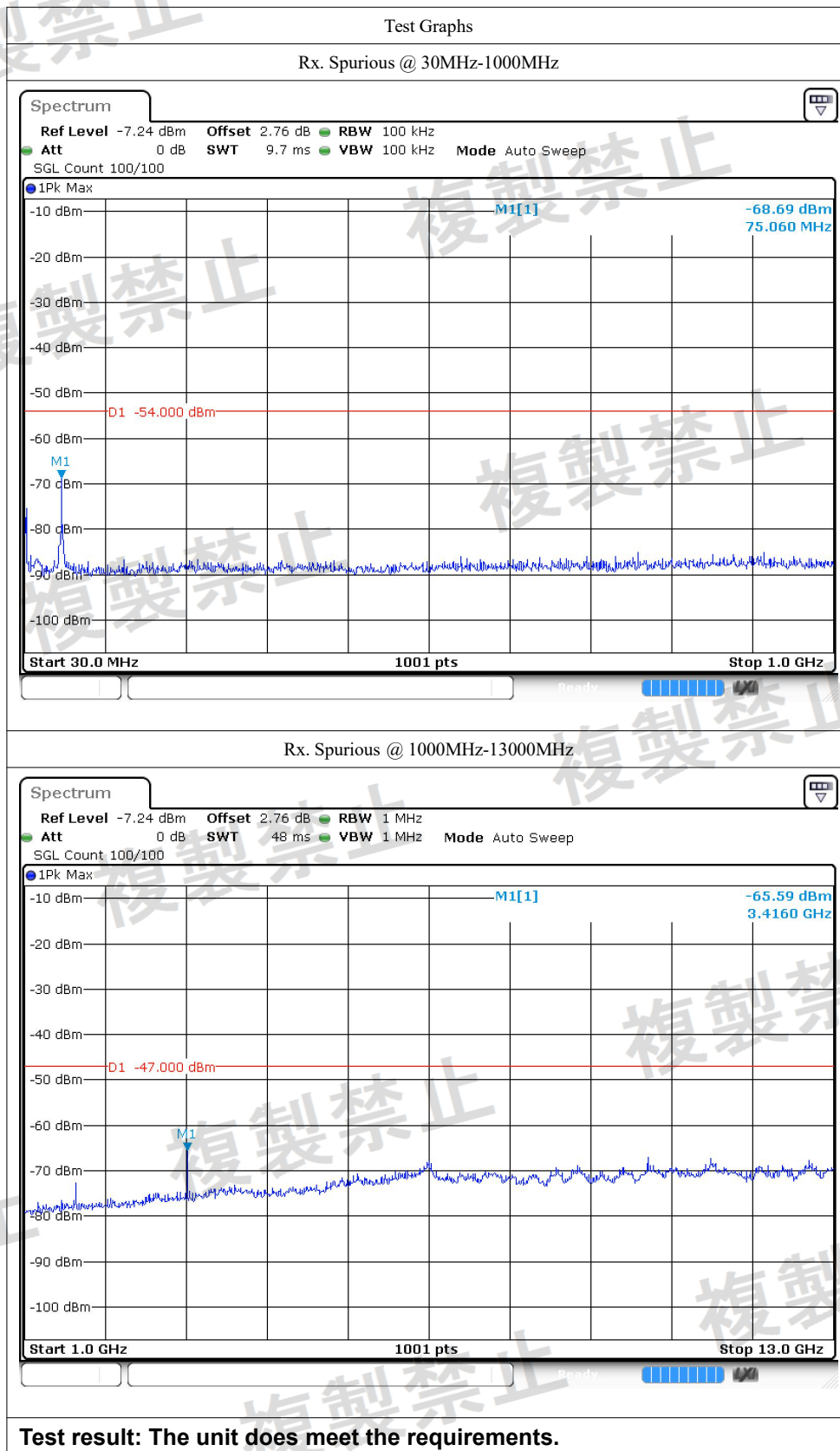
Test Requirement:	MIC Notice No.88 Appendix No. 43 (1) Below 1 GHz : 4 nW or less (2) 1 GHz and over : 20 nW or less
Temperature:	23.0 °C
Humidity:	55 % RH
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	



Test Procedure:

- Test Conditions: Spectrum Analyzer is used for measurement.
- EUT conditions:
EUT have transmitted continuous maximum power
- Spectrum Analyzer conditions:
Step 1
All spurious are measured from 30 MHz to 13 GHz by peak mode.
Step 2
IF the value measured by Step1 is 2 dB or less, measure in average mode.
Test setup for Step 1:
Frequency: 30 MHz – 1000 MHz , 1GHz –13 GHz
RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
Sweep Time Auto
detector mode Positive peak
Indication mode Max hold
Test setup for Step 2:
Frequency: Spurious Frequency
Span 0 Hz
RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
Sweep Time Auto
detector mode Sample
Indication mode Max hold

Test result:



7 Photographs

7.1 EUT Constructional Details

Refer to Appendix EUT Photo.

****End of report****