



JAPAN RADIO TEST REPORT

Applicant : Swann Communications Ltd
Address : 13D, Eton Building, No. 288 Des Voeux Road Central,
Sheung Wan, Hong Kong
Manufacturer : Hangzhou Jiefeng Technology Co., Ltd.
Address : Hangzhou: Building D6, iValley, No.1 Jiulong Avenue,
Yinhu Street, Fuyang, Hangzhou, China.
Equipment : WIRELESS CAMERA (HYBRID)
SWIFI-FOURTIFYL, SOIFI-FOURTIFYL,
Model No. : SWIFT-FOURTIFY4MQB, SWIFT-FOURTIFY42KMQB,
SWIFI-FOURTIFY4, SOIFI-FOURTIFY
Trade Name : Swann
802.11b: 4.011mW/MHz
Output Power : 802.11g: 1.406mW/MHz
802.11n HT20: 1.342mW/MHz
Carrier Sense : ☐Yes ☒No

I HEREBY CERTIFY THAT :

The sample was received on Dec. 31, 2025 and the testing was completed on Jan. 12, 2026 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:


Leevin Li Supervisor



Contents

1. Summary of Test Procedure and Test Results	4
1.1 Applicable Standards	4
2. Test Configuration of Equipment under Test.....	5
2.1 Feature of Equipment under Test	5
2.2 Carrier Frequency of Channels	6
2.3 Test Mode and Test Software	7
2.4 Description of Test System	8
2.5 General Information of Test	9
2.6 Measurement Uncertainty	9
3. Test Equipment and Ancillaries Used for Tests.....	10
4. Transmitter Parameters.....	11
4.1 Frequency Error	11
4.2 Occupied Bandwidth	14
4.3 Spread Bandwidth	18
4.4 Spreading Factor	22
4.5 RF Output Power Tolerance	23
4.6 Carrier Sensing Function.....	25
4.7 Spurious Emissions	26
4.8 Interference Prevention Function	37
5. Receiver Parameters	38
5.1 Spurious Emissions	38
6. Angular Width of Principal Radiation	43
6.1 Test Result.....	43
7. Power Supply Voltage Fluctuation Test.....	44
8. Construction Protection Confirmation	45



History of this test report

Version No.	Report No	Date	Description
Rev.01	25120469-DRMIC01	Jan. 15, 2026	Initial Issue



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

“MIC Notification No. 88, Appendix No. 43”

TELEC-T401 (2022-09):

- Item 19 of Article 2

Description	Result
Frequency Error	Pass
Occupied Bandwidth	Pass
Spread Bandwidth	Pass
RF Output Power Tolerance	Pass
Carrier Sensing Function	Pass
Spurious Emissions(TX)	Pass
Interference Prevention Function	Pass
Spurious Emissions(RX)	Pass
Angular Width of Principal Radiation	Pass
Construction Protection Confirmation	Pass
Note: Deviations Yes No ☒	
*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.	



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Equipment	WIRELESS CAMERA (HYBRID)
Model Name	SWIFI-FOURTIFFYL, SOIFI-FOURTIFFYL, SWIFT-FOURTIFFY4MQB, SWIFT-FOURTIFFY42KMQB, SWIFI-FOURTIFFY4, SOIFI-FOURTIFFY
Model Discrepancy	The main model SWIFI-FOURTIFFYL has an additional light.
Chipset	Brand: AltoBeam Model: AB6012BX-6PD
RF Chip	Brand: AltoBeam Model: ATBM6012B-X
Frequency Range	WIFI 2.4GHz: 2400MHz-2483.5MHz
Modulation Type	WIFI 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM
Data Rate	WIFI 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0-MCS15, HT20
Antenna Gain.	4.17dBi
Antenna Type	Dipole Antenna
Operating Voltage	DC 12V $\overline{\text{---}}$ 3A

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.2 Carrier Frequency of Channels

802.11b / 802.11g / 802.11n HT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
*01	2412	08	2447
02	2417	09	2452
03	2422	10	2457
04	2427	11	2462
05	2432	12	2465
06	2437	*13	2472
*07	2442	---	---

Note: Channels remarked * are selected to perform test.



2.3 Test Mode and Test Software

- a. The complete test system included Notebook, DC Power and EUT for RF test.
- b. An executive program “test_gui.exe (Ver.: 1.0.0.1)” under Windows 7 system was executed to transmit and receive data via WLAN.
- c. The following test modes were performed for the test:

Test Mode	Operating Description
1	802.11b (1Mbps)
2	802.11g (6Mbps)
3	802.11n HT20 (6.5Mbps)

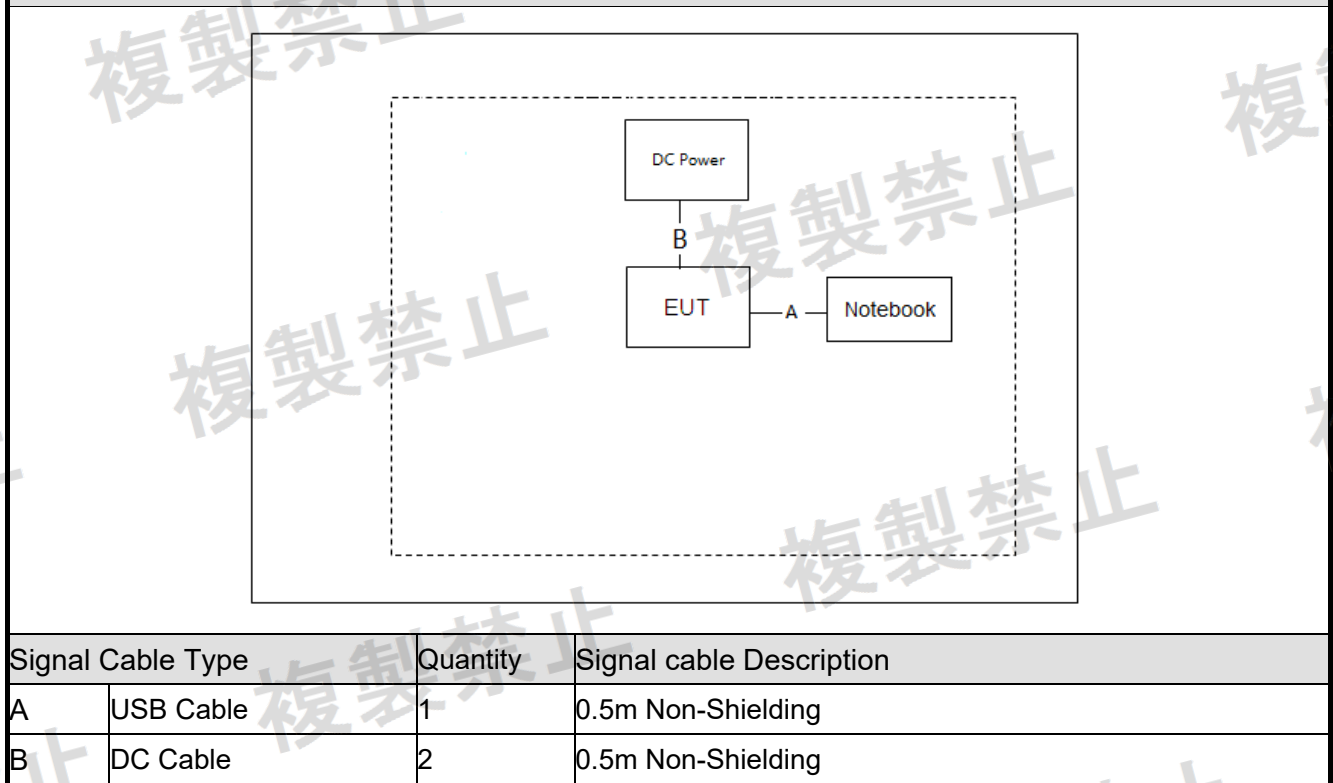
Modulation Type	TX CONFIGURATION
802.11b	1TX
802.11g	1TX
802.11n HT20	1TX



2.4 Description of Test System

Product	Manufacturer	Model No.	Power Cord
1 Notebook	Dell	Latitude 3400	Non-Shielded, 1.8m
2 DC Power	LONG WEI	PS-305D	Non-Shielded, 1.8m

Connection Diagram





2.5 General Information of Test

Test Site	CerpPASS Technology Corporation (CerpPASS Laboratory) Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
CNAS	L5053
Test Condition	Normal Voltage: DC 12V Extreme Voltage: DC 13.2V and DC 10.8V

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-DG	2026/01/12	23°C / 53%	Amos Zhang

2.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Item	Uncertainty
Output power	±0.844dB
TX Unwanted Emissions Strength	±1.808dB
RX Unwanted Emissions Strength	±1.421dB
Occupied bandwidth	±4.5%
Spreading Bandwidth	±4.5%
Frequency tolerance	±78.2Hz
Dwell Time	±3.5%



3. Test Equipment and Ancillaries Used for Tests

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date	Calibration authority	Calibration method
FSQ Signal Analyzer	R&S	FSQ40	200012	2025/12/26	2026/12/25	LISAI	C
MXA Signal Analyzer	KEYSIGHT	N9020A	US46220290	2025/12/26	2026/12/25	LISAI	C
EXA Signal Analyzer	KEYSIGHT	N9010A	MY53400169	2025/12/26	2026/12/25	LISAI	C
ESG VECTOR SIGNAL GENERATOR	Agilent	E4438C	MY45092582	2025/12/26	2026/12/25	LISAI	C
MXG VECTOR SIGNAL GENERATOR	Agilent	N5182B	MY53050127	2025/12/26	2026/12/25	LISAI	C
Power sensor	Theda	4PS6A	TTW5451026~29	2025/12/26	2026/12/25	LISAI	C
Wideband Radio Communication Tester	R&S	CMW500	101133	2025/07/22	2026/07/21	LISAI	C
USB Wideband Power Sensor	Boonton	55006	9778	2025/07/22	2026/07/21	LISAI	C
Temperature/Humidity Meter	mingle	ETH529	N/A	2025/12/29	2026/12/28	LISAI	C

Note: Calibration Method

- a) : Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1).
- b) : Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- d) : Calibration conducted by using other equipment that listed above from a) to c).
- e) : LISAI company name is Guangzhou Lisai Metrology & Test Co. ,Ltd.



4. Transmitter Parameters

4.1 Frequency Error

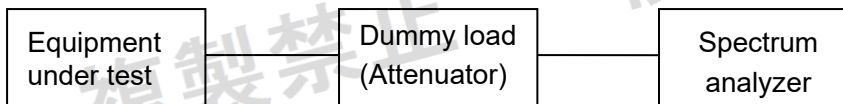
4.1.1 Test Limit

Limits: $\pm 50 \times 10^{-6}$, 50ppm

4.1.2 Test Procedures

According to Notification No. 88 of MIC, 2004, Annex 43, Test item frequency error measuring procedures.

4.1.3 Test Setup

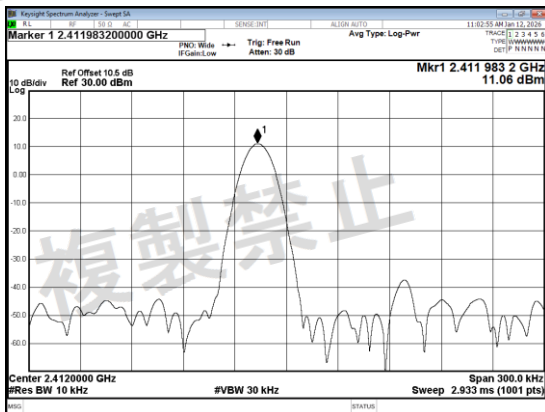


**4.1.4 Test Result and Data**

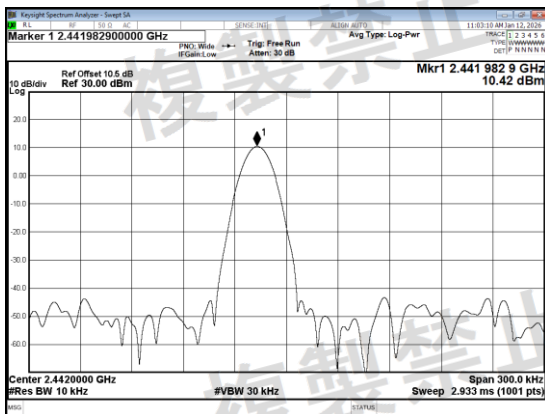
Modulation Type	Frequency (MHz)	Operation Frequency (MHz)	Frequency Error (ppm)
802.11b/g/n HT20	2412	2411.9832	-6.965
	2442	2441.9829	-7.002
	2472	2471.9829	-6.917



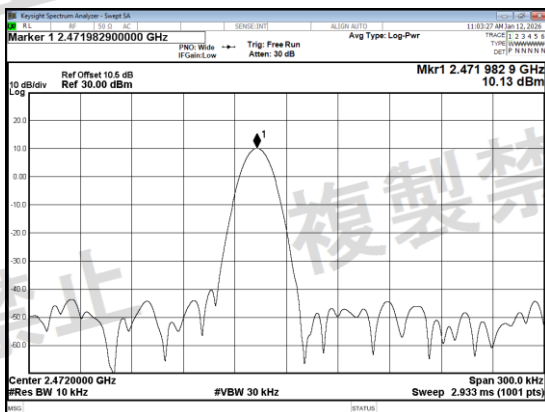
Modulation Standard:
802.11b/g/n HT20-2412



Modulation Standard:
802.11b/g/n HT20-2442



Modulation Standard:
802.11b/g/n HT20-2472





4.2 Occupied Bandwidth

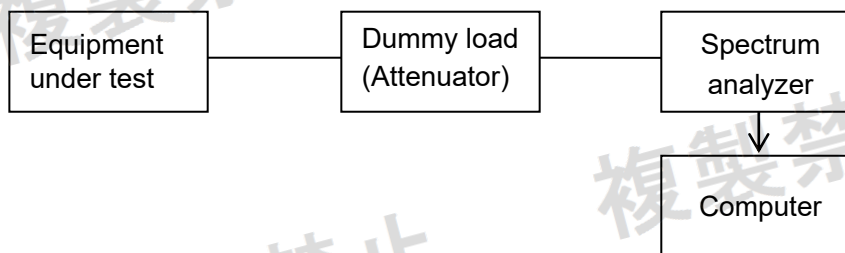
4.2.1 Test Limit

Modulation type	Occupied Band Width
FH、FH+DS、FH+OFDM	< 83.5 MHz
DS	< 26 MHz
Other	< 26 MHz
802.11n HT40、VHT40、802.11ax HE40	< 40 MHz

4.2.2 Test Procedures

According Notification No. 88 of MIC, 2004, Annex 43, test item occupied bandwidth and spreading bandwidth, measuring procedures.

4.2.3 Test Setup





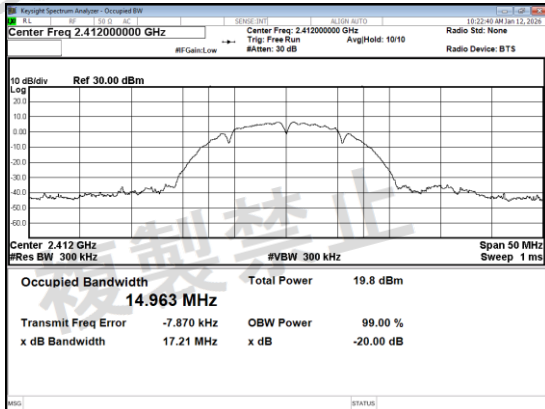
4.2.4 Test Result and Data

Modulation Standard	Operation Frequency (MHz)	Occupied Bandwidth (MHz)
802.11b	2412	14.963
	2442	14.987
	2472	14.955
802.11g	2412	16.675
	2442	16.704
	2472	16.687
802.11n HT20	2412	17.627
	2442	17.624
	2472	17.610

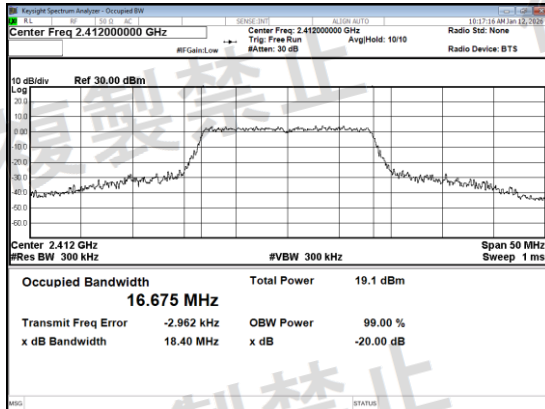
Notice: After confirmation, there is a least one carrier (channel) with BW of 1 MHz or more.



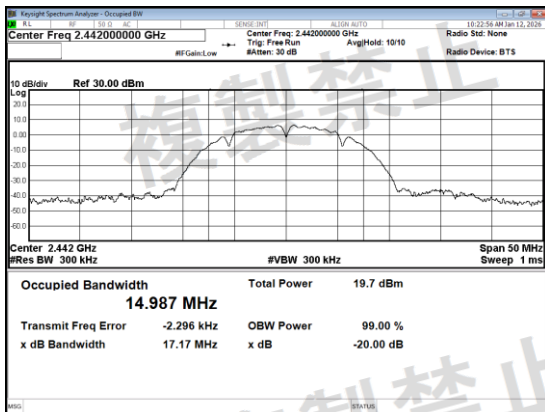
Modulation Standard: 802.11b, CH01



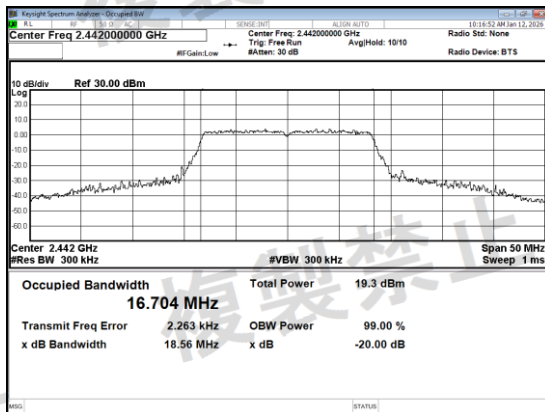
Modulation Standard: 802.11g, CH01



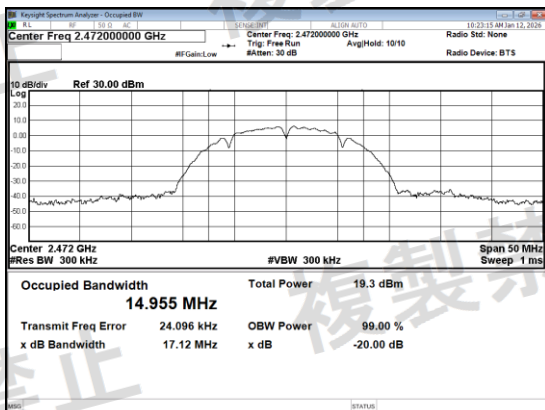
Modulation Standard: 802.11b, CH07



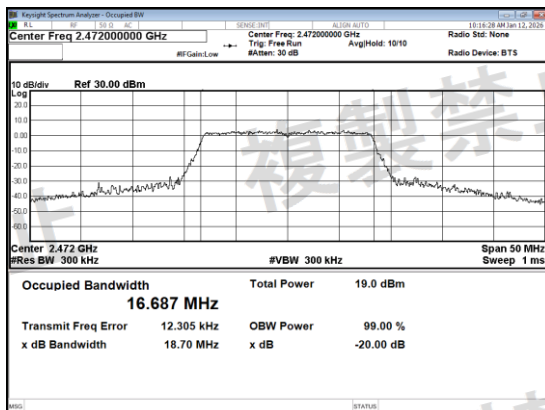
Modulation Standard: 802.11g, CH07



Modulation Standard: 802.11b, CH13

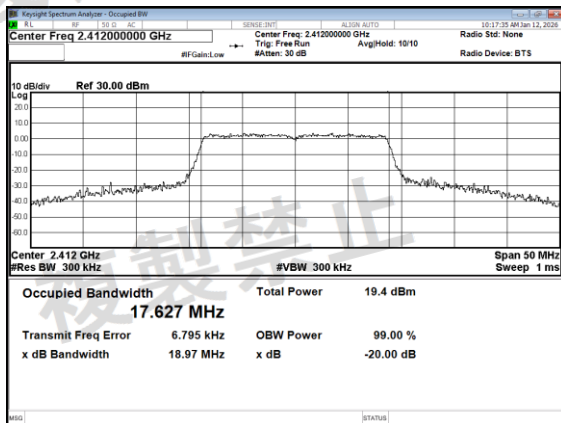


Modulation Standard: 802.11g, CH13

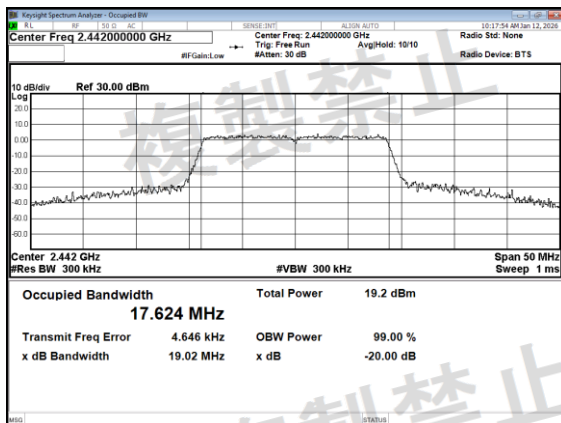




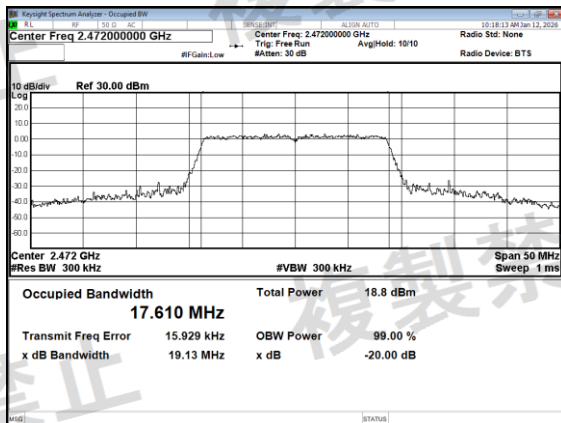
Modulation Standard: 802.11n HT20, CH01



Modulation Standard: 802.11n HT20, CH07



Modulation Standard: 802.11n HT20, CH13





4.3 Spread Bandwidth

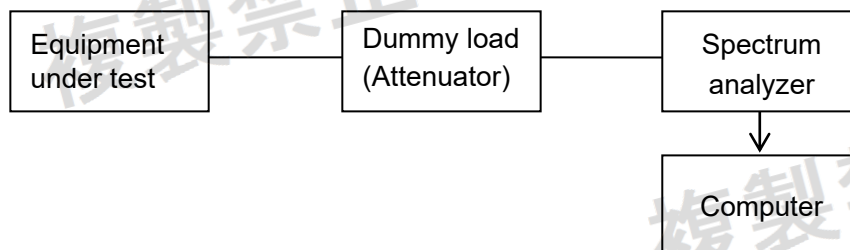
4.3.1 Test Limit

Modulation type	Occupied Band Width
FH、FH+DS、FH+OFDM	> 500 kHz
DS	> 500 kHz
Other	---

4.3.2 Test Procedures

According Notification No. 88 of MIC, 2004, Annex 43, test item occupied bandwidth and spreading bandwidth, measuring procedures.

4.3.3 Test Setup

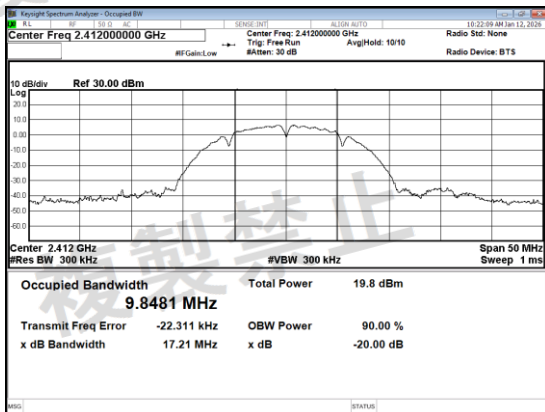


**4.3.4 Test Result and Data**

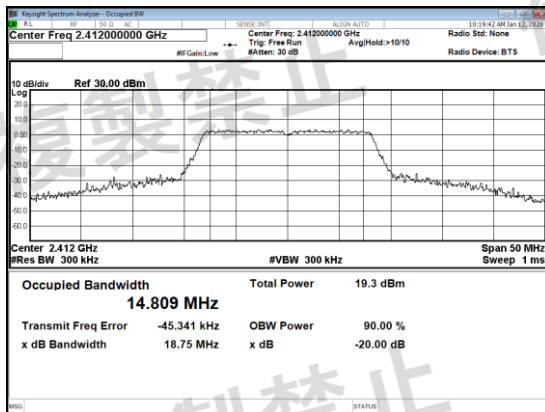
Modulation Standard	Operation Frequency (MHz)	Spread Bandwidth (MHz)
802.11b	2412MHz	9.848
	2442MHz	9.833
	2472MHz	9.832
802.11g	2412MHz	14.809
	2442MHz	14.784
	2472MHz	14.947
802.11n HT20	2412MHz	15.584
	2442MHz	15.686
	2472MHz	15.585



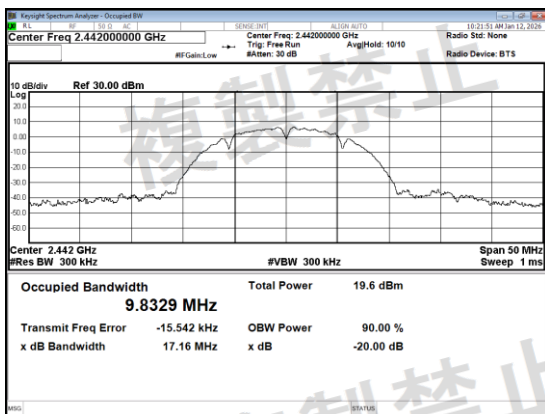
Modulation Standard: 802.11b, CH01



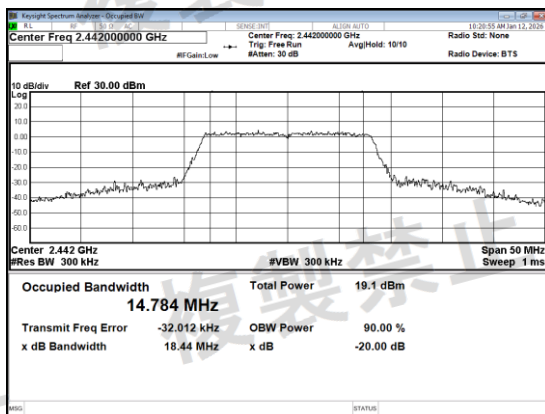
Modulation Standard: 802.11g, CH01



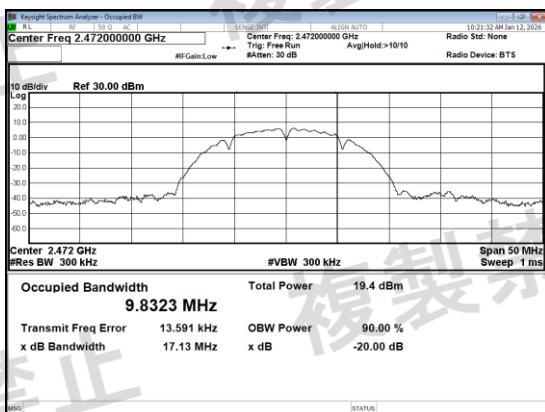
Modulation Standard: 802.11b, CH07



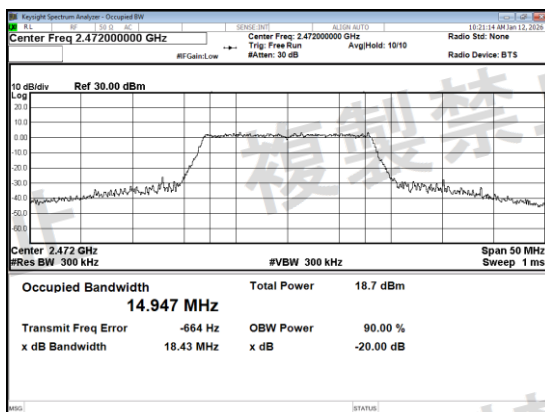
Modulation Standard: 802.11g, CH07



Modulation Standard: 802.11b, CH13

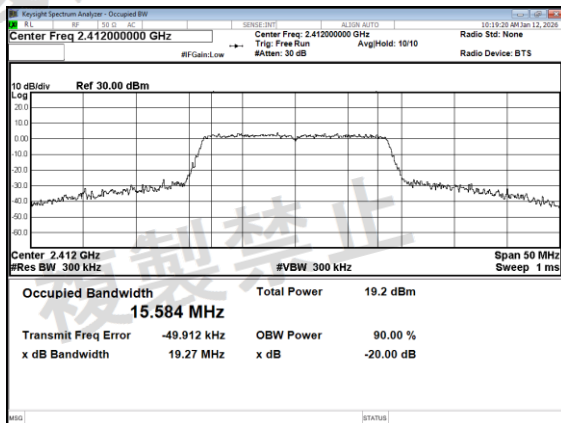


Modulation Standard: 802.11g, CH13

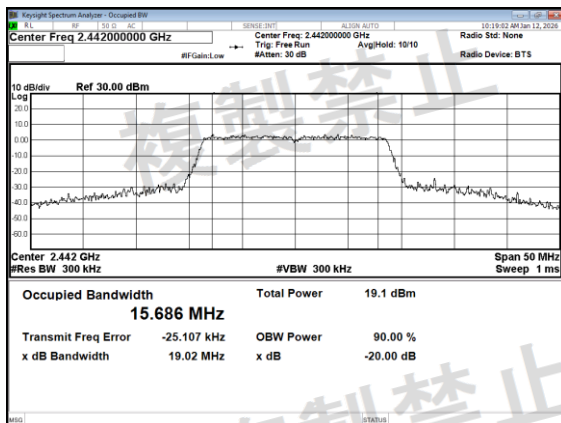




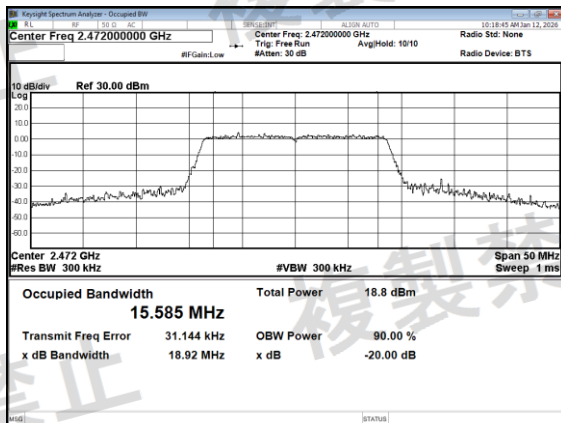
Modulation Standard: 802.11n HT20, CH01



Modulation Standard: 802.11n HT20, CH07



Modulation Standard: 802.11n HT20, CH13





4.4 Spreading Factor

4.4.1 Test Result and Data

Modulation Standard	Operation Frequency (MHz)	Spreading Factor (MHz)
802.11b	2412MHz	7.162
	2442MHz	7.151
	2472MHz	7.151

Limits: The Spreading Factor of the radio equipment that uses the spread spectrum method shall be 5 or more.

Note: Spreading Factor = Spread Bandwidth/1.375



4.5 RF Output Power Tolerance

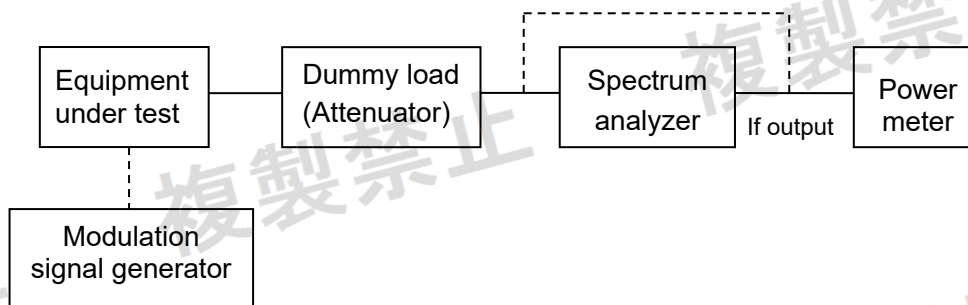
4.5.1 Test Limit

1. tolerance: +20 %
2. output power:
 - (1) FH、FH+DS、FH+OFDM < 3mW/MHz
 - (2) OFDM、DS(below 26MHz) < 10mW/MHz
 - (3) OFDM(26~40MHz) < 5mW/MHz
 - (4) Other < 10mW
3. EIRP:
 - (1) FH、FH+DS、FH+OFDM < 6.91dBm/MHz
 - (2) OFDM、DS(below 26MHz) < 12.14dBm/MHz
 - (3) OFDM(26~40MHz) < 9.13dBm/MHz
 - (4) Other < 12.14dBm

4.5.2 Test Procedure

According to Notification No. 88 of MIC, 2004, Annex 43, test item antenna power error measuring procedure.

4.5.3 Test Setup





4.5.4 Test Result and Data

Modulation type	Test Frequency MHz	Antenna Power mW/MHz	Antenna Power Limit mW/MHz	Antenna Power Error %	EIRP Power dBm/MHz	EIRP Power Limit dBm/MHz	Result
802.11b	2412	4.011	10	14.543	10.203	12.14	Pass
	2442	3.610	10	3.074	9.745	12.14	Pass
	2472	3.502	10	0.000	9.613	12.14	Pass
802.11g	2412	1.406	10	13.918	5.651	12.14	Pass
	2442	1.384	10	12.091	5.580	12.14	Pass
	2472	1.234	10	0.000	5.085	12.14	Pass
802.11n HT20	2412	1.342	10	16.324	5.446	12.14	Pass
	2442	1.256	10	8.862	5.158	12.14	Pass
	2472	1.153	10	0.000	4.790	12.14	Pass
Note: Declared Rated Power 802.11b: 4.011mW/MHz 802.11g: 1.406mW/MHz 802.11n HT20: 1.342mW/MHz							



4.6 Carrier Sensing Function

4.6.1 Test Result and Data

Not Applicable



4.7 Spurious Emissions

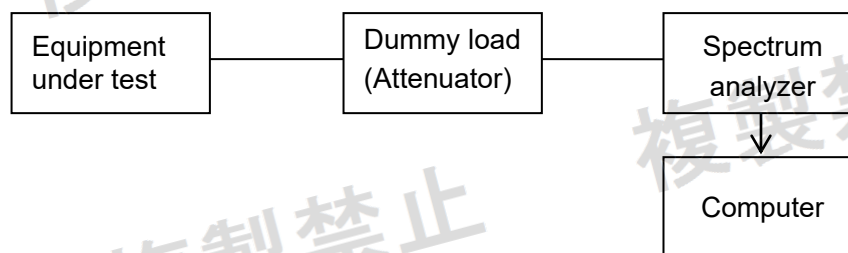
4.7.1 Test Limit

	Frequency Band (For 2400 ~ 2483.5 MHz)	Limit
*1	<2387MHz	2.5 μ W/MHz
*2	2387MHz ~ 2400MHz	25 μ W/MHz
*3	2483.5MHz ~ 2496.5MHz	25 μ W/MHz
*4	>2496.5MHz	2.5 μ W/MHz

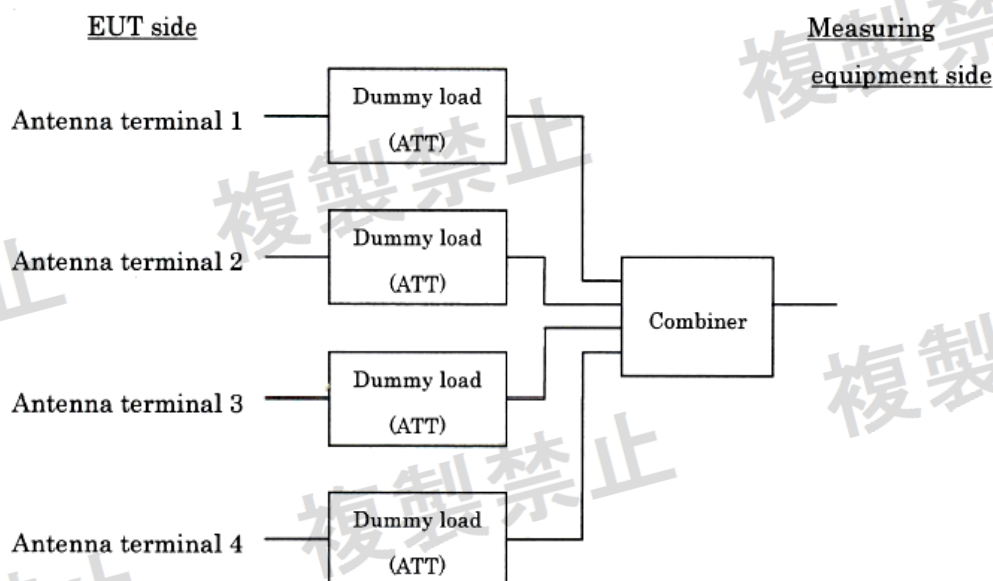
4.7.2 Test Procedure

According to Notification No. 88 of MIC, 2004, Annex 45 Spurious and unwanted emission intensity measuring procedure.

4.7.3 Test Setup



Connection diagram in case of 2 or more antenna terminals, is as following



**4.7.4 Test Result and Data**

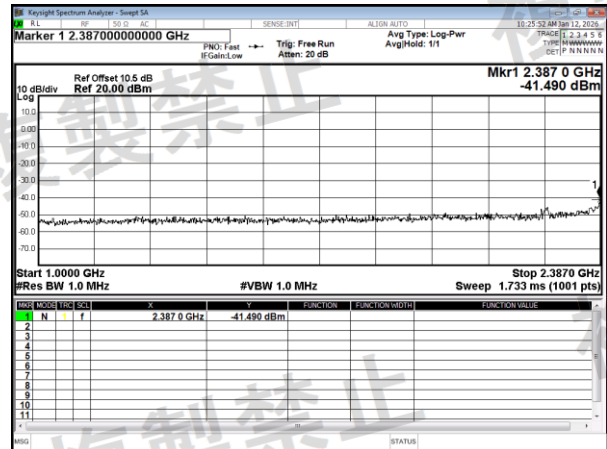
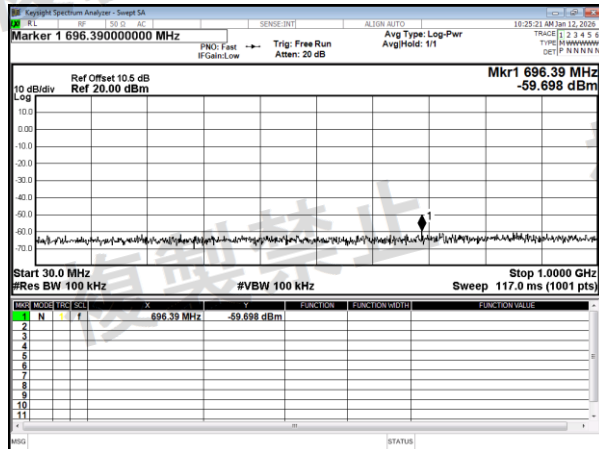
Modulation type: 802.11b						
Operation Frequency	Frequency Band	Spurious Emission				
		MHz	dBm	mW	LIMIT	Result
2412	< 2387MHz	2387.00	-41.49	0.071	-26dbm	Pass
	2387 ~ 2400MHz	2399.90	-32.873	0.516	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2489.04	-45.755	0.027	-16dbm	Pass
	>2496.5MHz	6610.00	-46.446	0.023	-26dbm	Pass
2442	< 2387MHz	2284.40	-44.031	0.040	-26dbm	Pass
	2387 ~ 2400MHz	2399.99	-43.387	0.046	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2488.27	-45.264	0.030	-16dbm	Pass
	>2496.5MHz	5980.00	-45.812	0.026	-26dbm	Pass
2472	< 2387MHz	2310.70	-44.989	0.032	-26dbm	Pass
	2387 ~ 2400MHz	2399.69	-44.983	0.032	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2483.55	-30.973	0.799	-16dbm	Pass
	>2496.5MHz	2500.00	-43.466	0.045	-26dbm	Pass

Modulation type: 802.11g						
Operation Frequency	Frequency Band	Spurious Emission				
		MHz	dBm	mW	LIMIT	Result
2412	< 2387MHz	2387.00	-37.741	0.168	-26dbm	Pass
	2387 ~ 2400MHz	2399.66	-19.191	12.048	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2496.37	-48.141	0.015	-16dbm	Pass
	>2496.5MHz	9270.00	-47.394	0.018	-26dbm	Pass
2442	< 2387MHz	2280.20	-47.738	0.017	-26dbm	Pass
	2387 ~ 2400MHz	2399.83	-41.917	0.064	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2491.73	-43.391	0.046	-16dbm	Pass
	>2496.5MHz	7020.00	-46.989	0.020	-26dbm	Pass
2472	< 2387MHz	2324.60	-47.376	0.018	-26dbm	Pass
	2387 ~ 2400MHz	2394.24	-46.209	0.024	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2484.54	-21.08	7.798	-16dbm	Pass
	>2496.5MHz	2500.00	-40.606	0.087	-26dbm	Pass

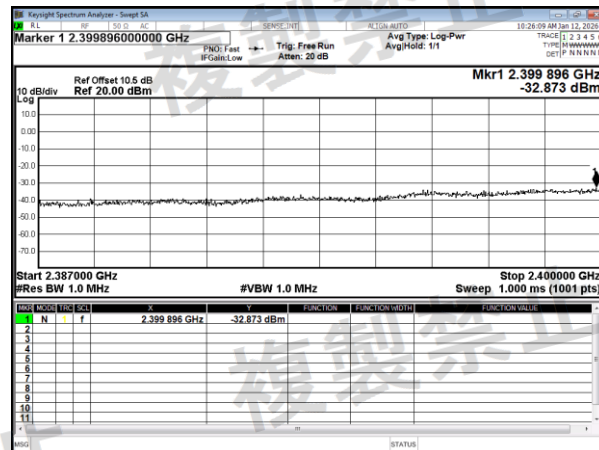
Modulation type: 802.11n HT20						
Operation Frequency	Frequency Band	Spurious Emission				
		MHz	dBm	mW	LIMIT	Result
2412	< 2387MHz	2387.00	-36.862	0.206	-26dbm	Pass
	2387 ~ 2400MHz	2399.45	-18.034	15.725	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2492.13	-46.666	0.022	-16dbm	Pass
	>2496.5MHz	5680.00	-47.686	0.017	-26dbm	Pass
2442	< 2387MHz	2363.40	-47.179	0.019	-26dbm	Pass
	2387 ~ 2400MHz	2393.76	-43.091	0.049	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2485.71	-43.052	0.050	-16dbm	Pass
	>2496.5MHz	6200.00	-47.188	0.019	-26dbm	Pass
2472	< 2387MHz	2370.40	-47.625	0.017	-26dbm	Pass
	2387 ~ 2400MHz	2399.81	-46.757	0.021	-16dbm	Pass
	2483.5 ~ 2496.5MHz	2483.54	-20.146	9.669	-16dbm	Pass
	>2496.5MHz	2500.00	-36.281	0.235	-26dbm	Pass



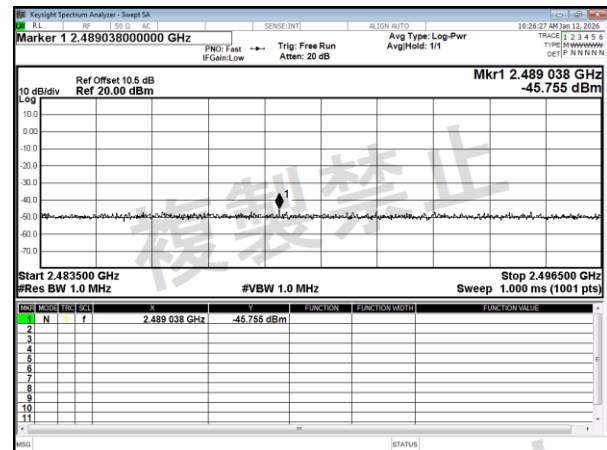
Modulation Type: 802.11b, CH01
Frequency Band: < 2387MHz



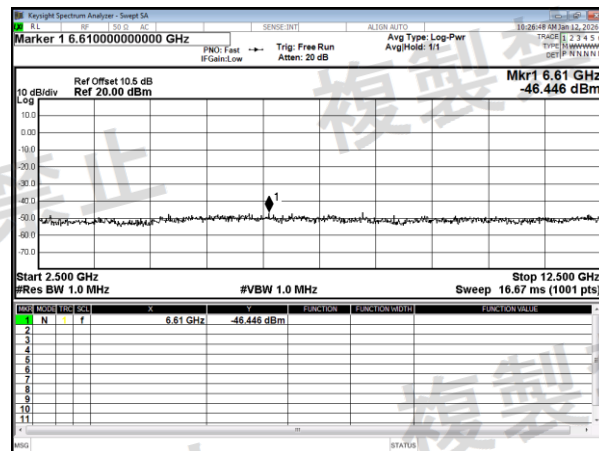
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

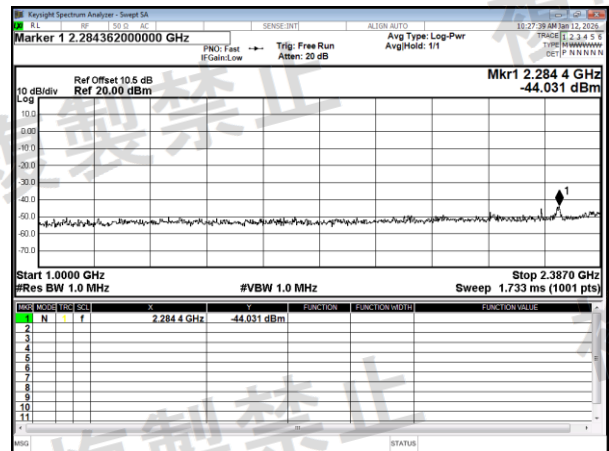
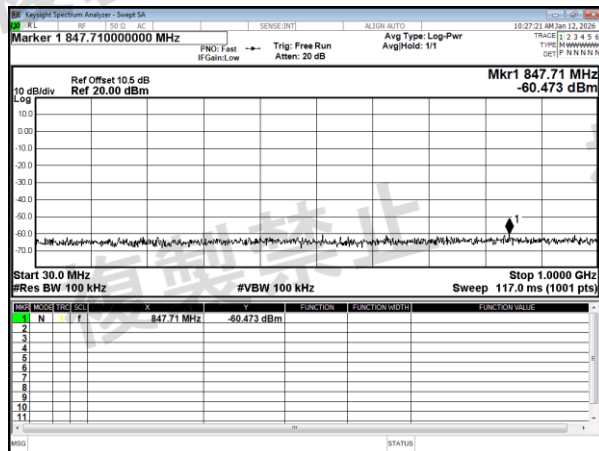


Frequency Band: >2496.5MHz

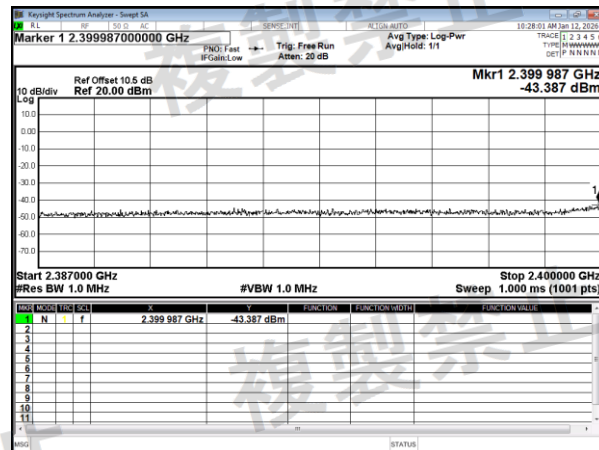




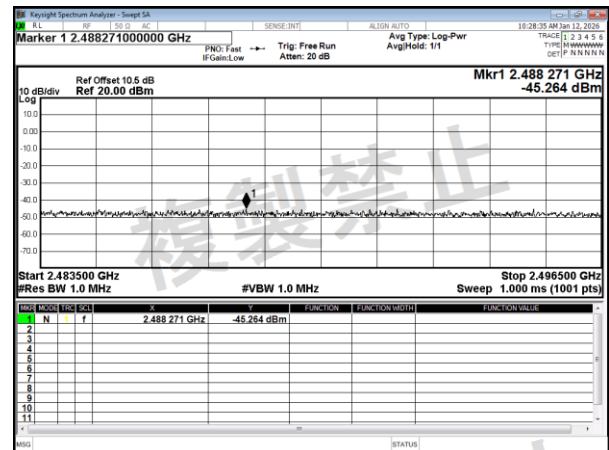
Modulation Type: 802.11b, CH07
Frequency Band: < 2387MHz



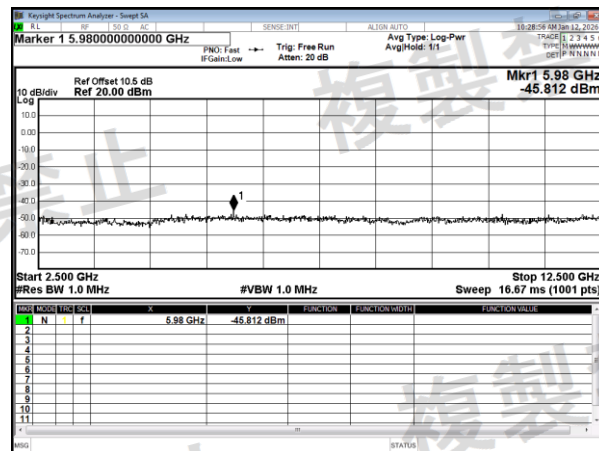
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

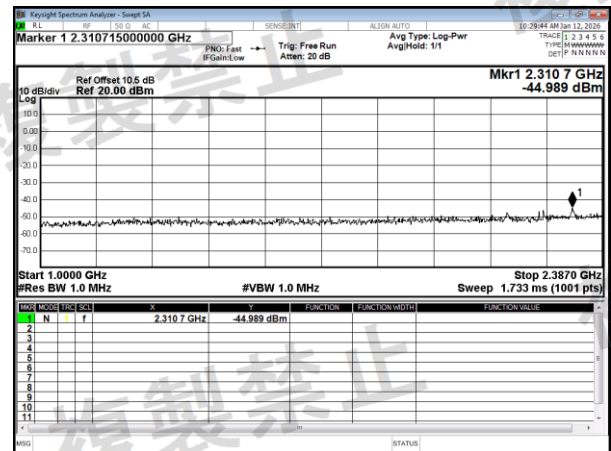
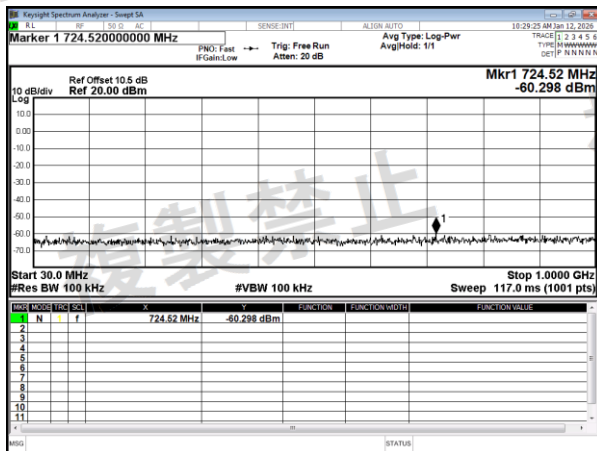


Frequency Band: >2496.5MHz

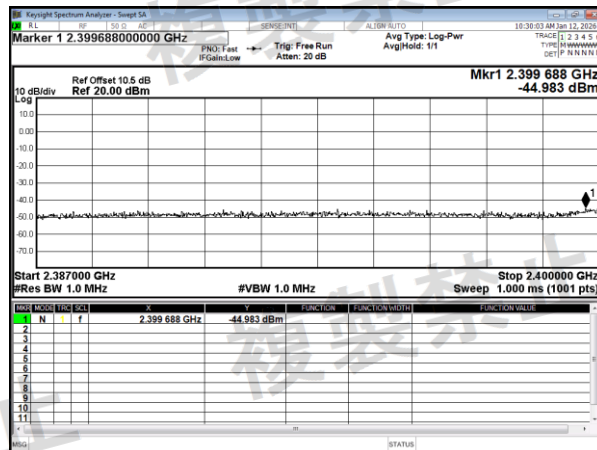




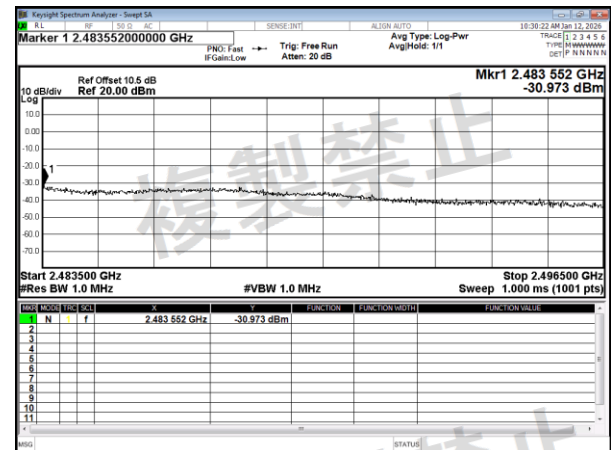
Modulation Type: 802.11b, CH13
Frequency Band: < 2387MHz



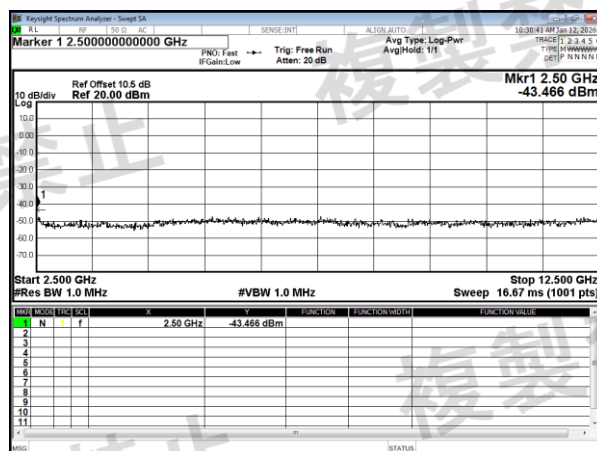
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

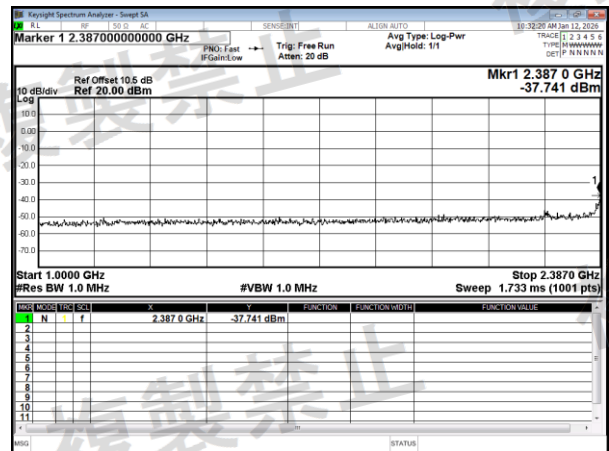
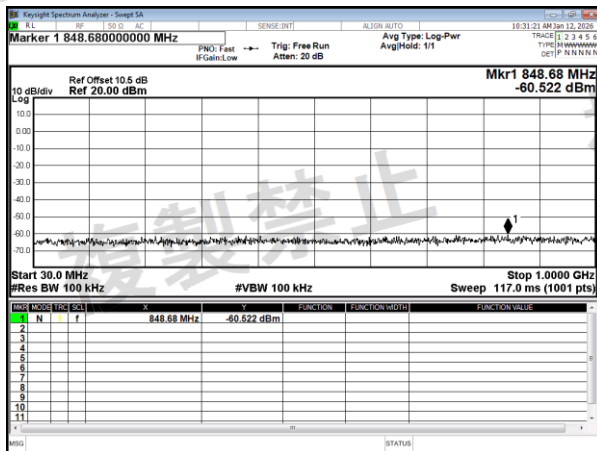


Frequency Band: >2496.5MHz

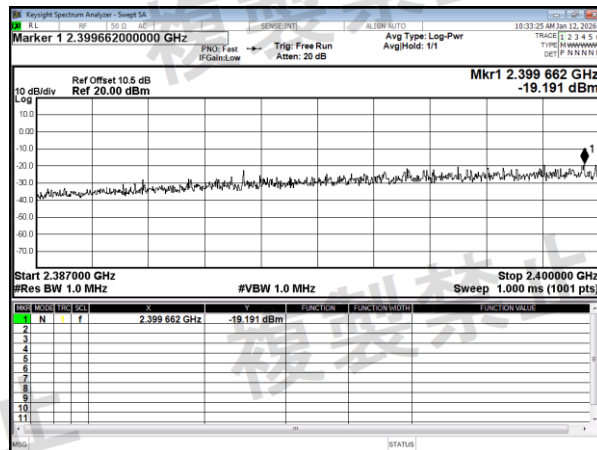




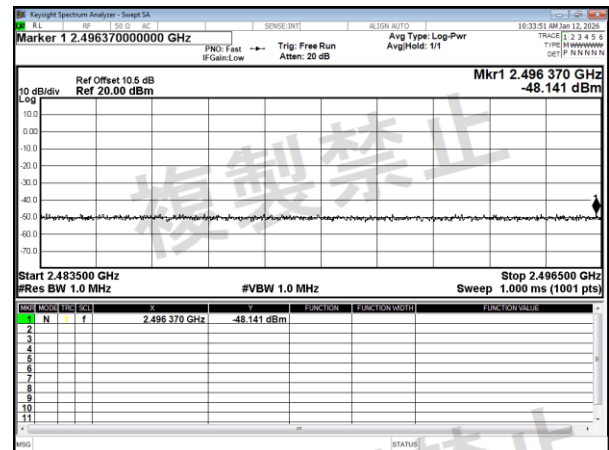
Modulation Type: 802.11g, CH01
Frequency Band: < 2387MHz



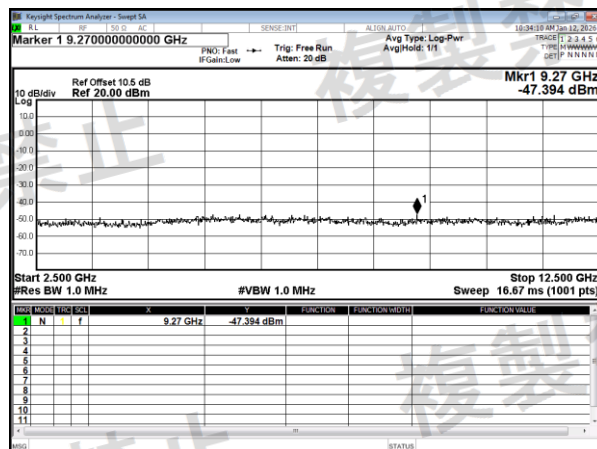
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

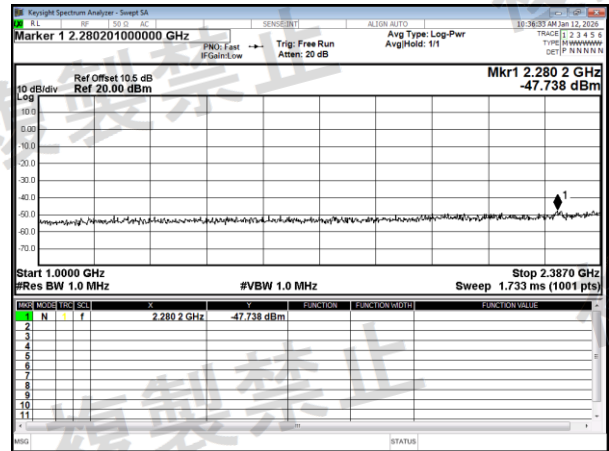
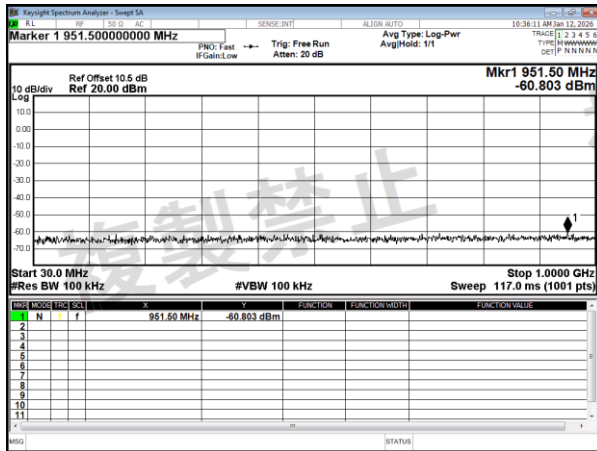


Frequency Band: >2496.5MHz

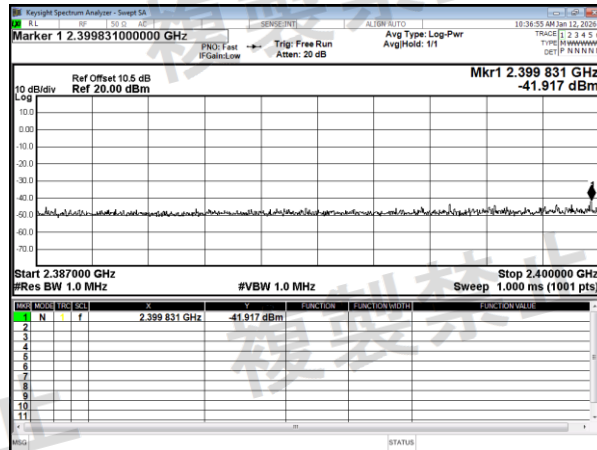




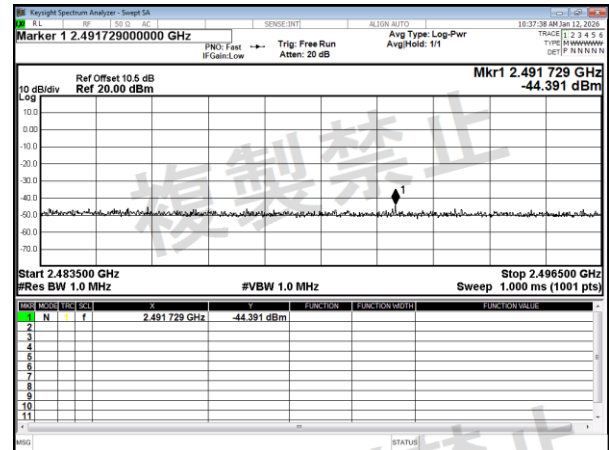
Modulation Type: 802.11g, CH07
Frequency Band: < 2387MHz



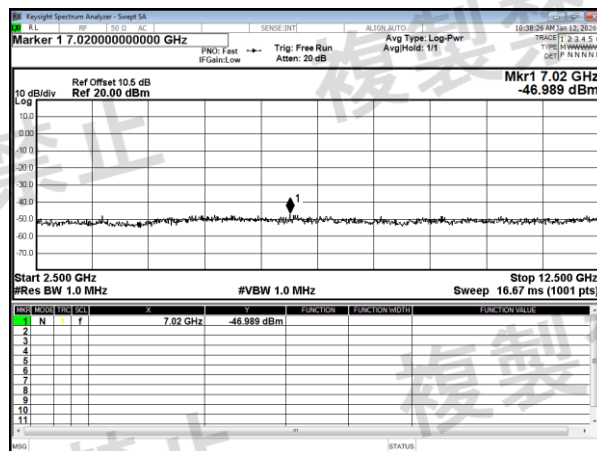
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

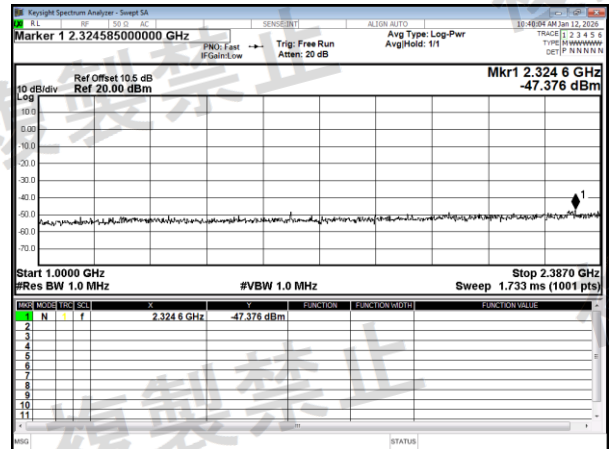
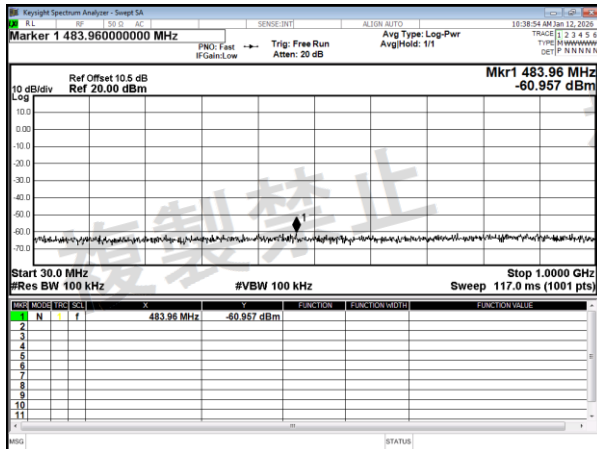


Frequency Band: >2496.5MHz

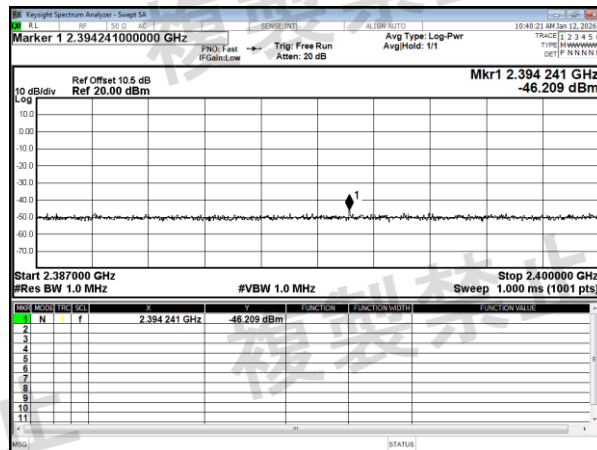




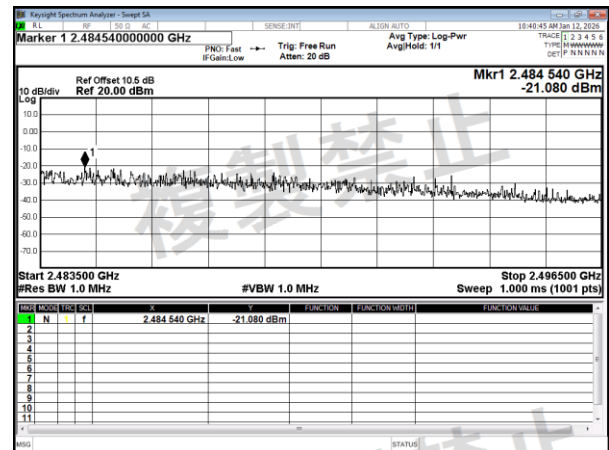
Modulation Type: 802.11g, CH13
Frequency Band: < 2387MHz



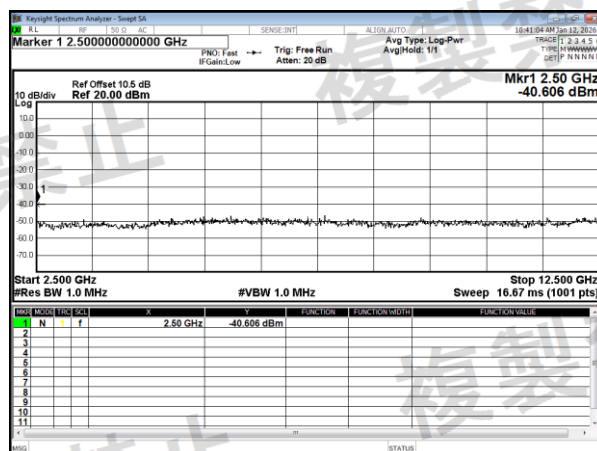
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

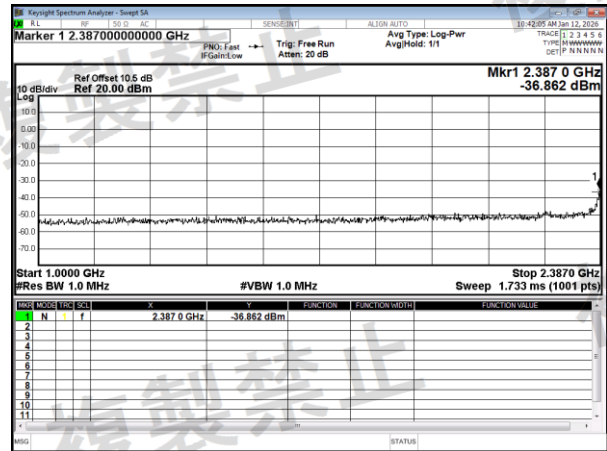
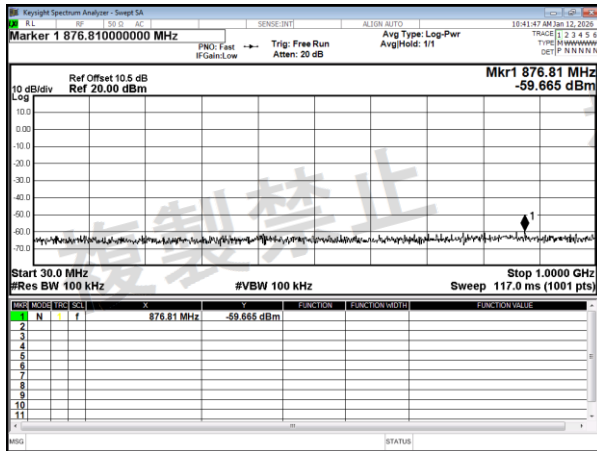


Frequency Band: >2496.5MHz

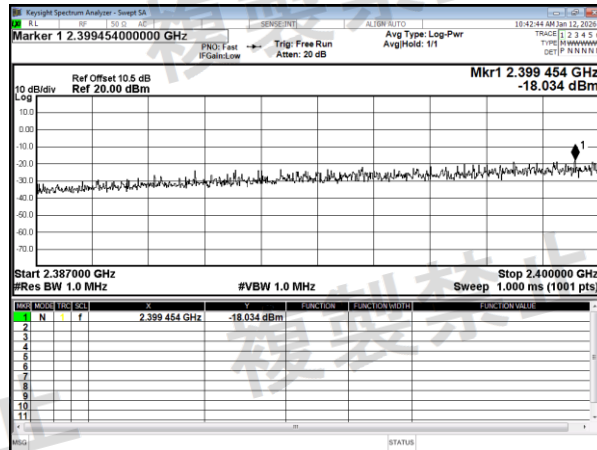




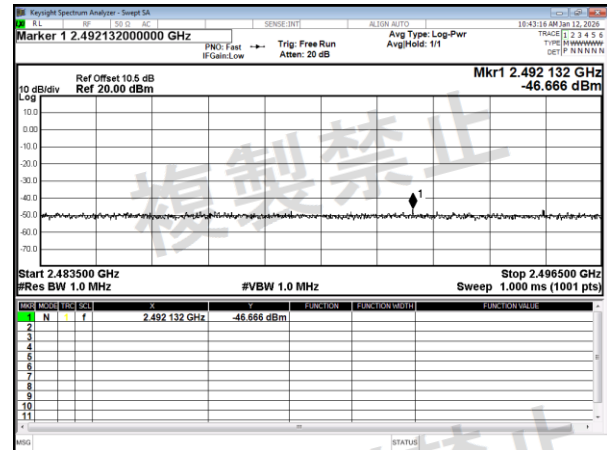
Modulation Type: 802.11n HT20, CH01
Frequency Band: < 2387MHz



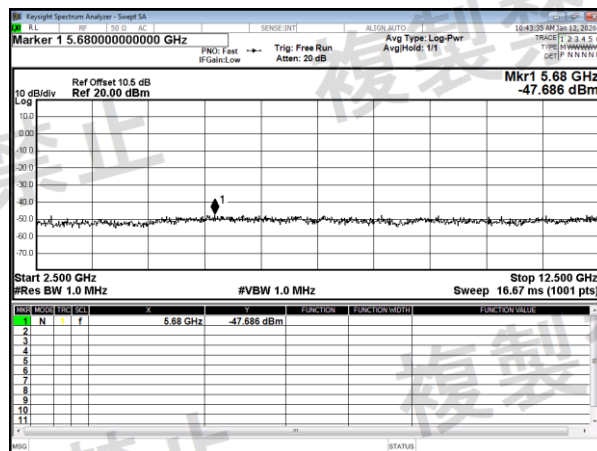
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

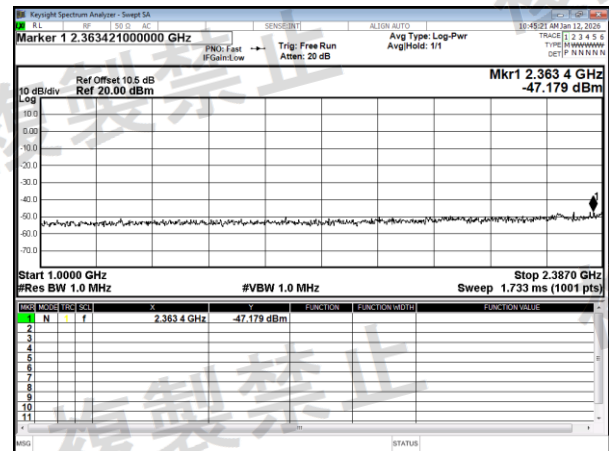
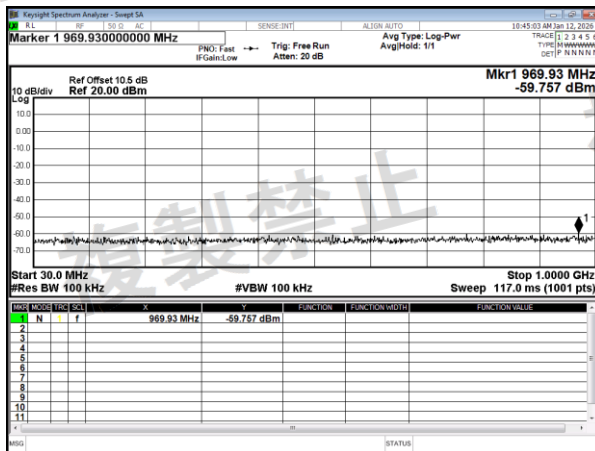


Frequency Band: >2496.5MHz

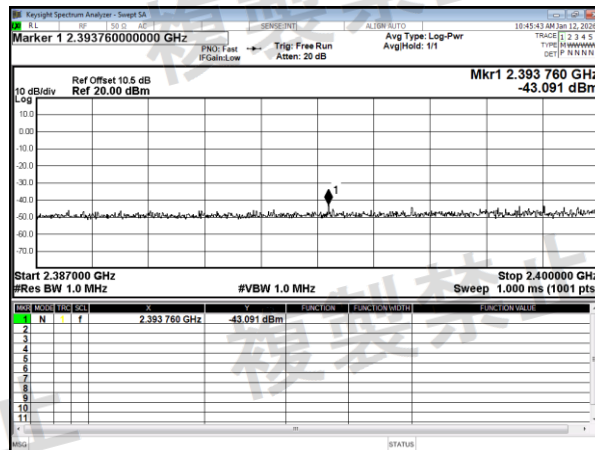




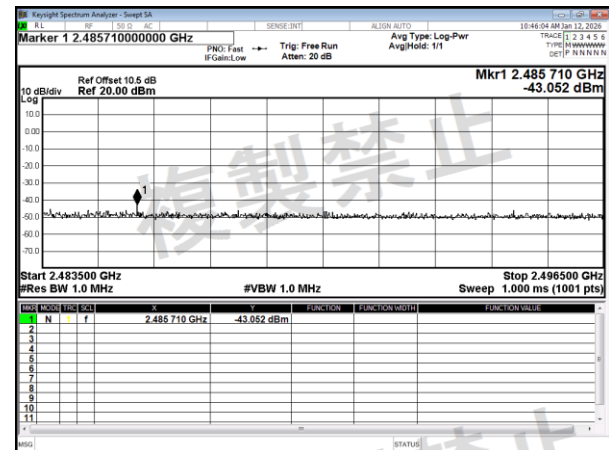
Modulation Type: 802.11n HT20, CH07
Frequency Band: < 2387MHz



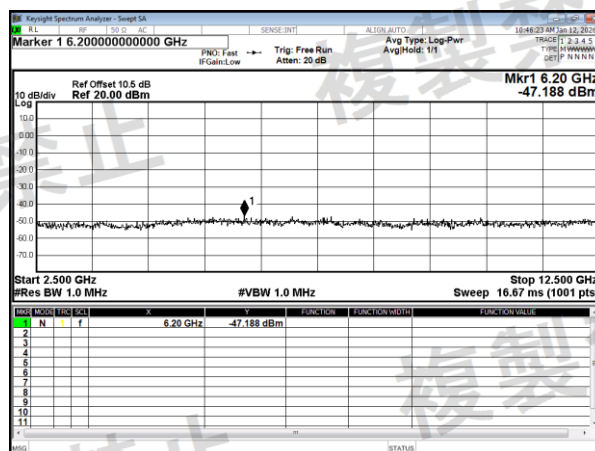
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz

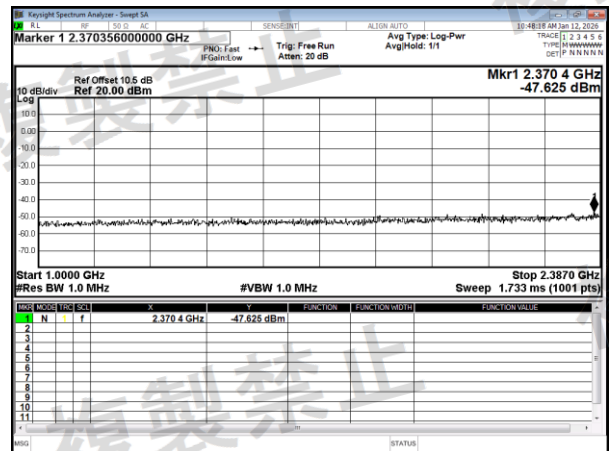
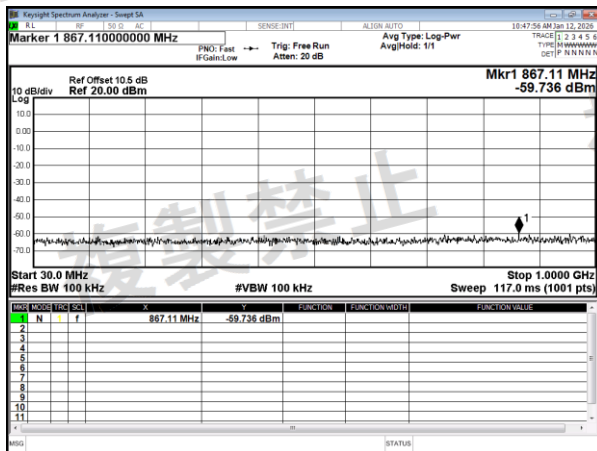


Frequency Band: >2496.5MHz

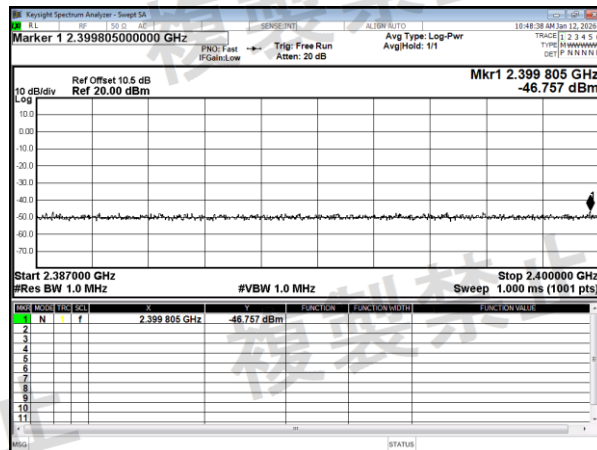




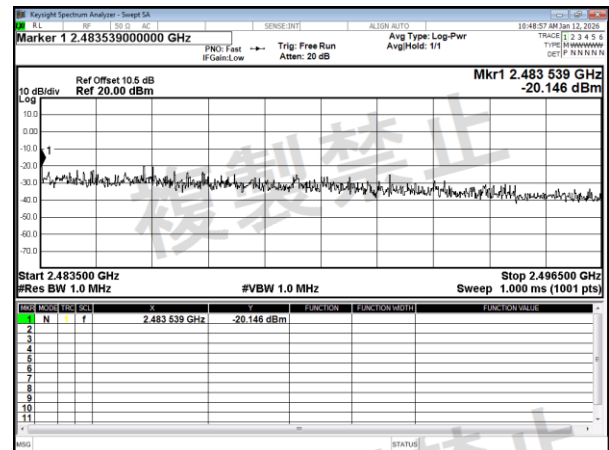
Modulation Type: 802.11n HT20, CH13
Frequency Band: < 2387MHz



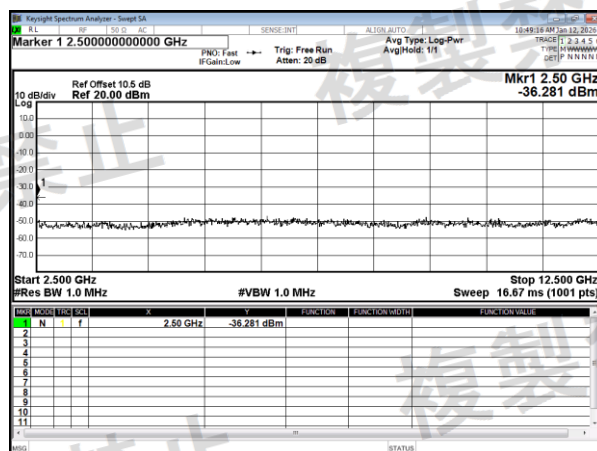
Frequency Band: 2387 ~ 2400MHz



Frequency Band: 2483.5~2496.5MHz



Frequency Band: >2496.5MHz





4.8 Interference Prevention Function

4.8.1 Test Limit

Identification code $\geq$ 48 bits

4.8.2 Test Procedure

1. Set EUT under operation mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Confirm the MAC address of EUT

4.8.3 Test Setup



4.8.4 Test Result and Data

ID Code	MAC Address: BC:51:FE:CE:98:DC
---------	--------------------------------

Result: PASS



5. Receiver Parameters

5.1 Spurious Emissions

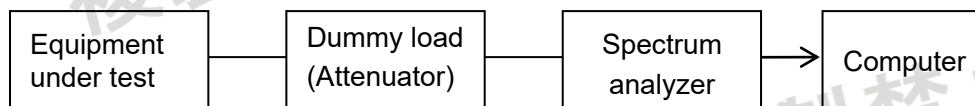
5.1.1 Test Limit

Modulation type	Limit
<1GHz	4nW
1GHz ~ 12.5GHz	20nW

5.1.2 Test Procedures

According to Notification No. 88 of MIC, 2004, Annex 43 Limit of secondary radiated emissions measuring procedure.

5.1.3 Test Setup





5.1.4 Test Result and Data

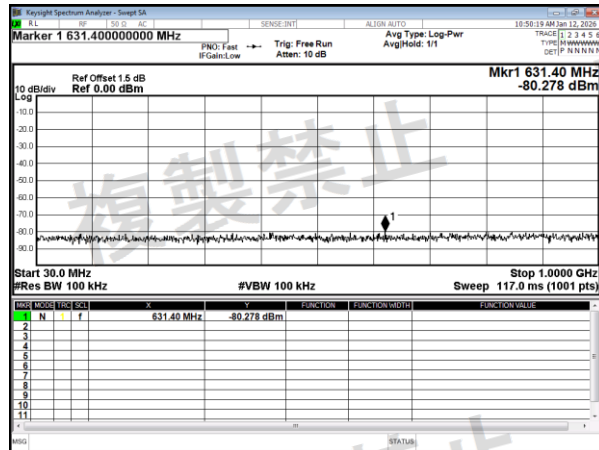
Modulation type	Operation Frequency (MHz)	Frequency Band	Spurious Emission		
			MHz	dBm	mW
802.11b	2412	< 1GHz	631.40	-80.278	0.00001
		1GHz – 12.5GHz	11960	-66.473	0.00023
	2442	< 1GHz	48.43	-78.796	0.00001
		1GHz – 12.5GHz	7118	-65.87	0.00026
	2472	< 1GHz	763.32	-79.902	0.00001
		1GHz – 12.5GHz	12213	-65.515	0.00028
802.11g	2412	< 1GHz	825.40	-79.569	0.00001
		1GHz – 12.5GHz	5727	-65.983	0.00025
	2442	< 1GHz	729.37	-79.024	0.00001
		1GHz – 12.5GHz	5681	-65.968	0.00025
	2472	< 1GHz	433.52	-80.088	0.00001
		1GHz – 12.5GHz	8291	-66.887	0.00020
802.11n HT20	2412	< 1GHz	727.43	-79.885	0.00001
		1GHz – 12.5GHz	5290	-66.67	0.00022
	2442	< 1GHz	931.13	-79.471	0.00001
		1GHz – 12.5GHz	5267	-66.788	0.00021
	2472	< 1GHz	962.17	-78.836	0.00001
		1GHz – 12.5GHz	6589	-66.484	0.00022



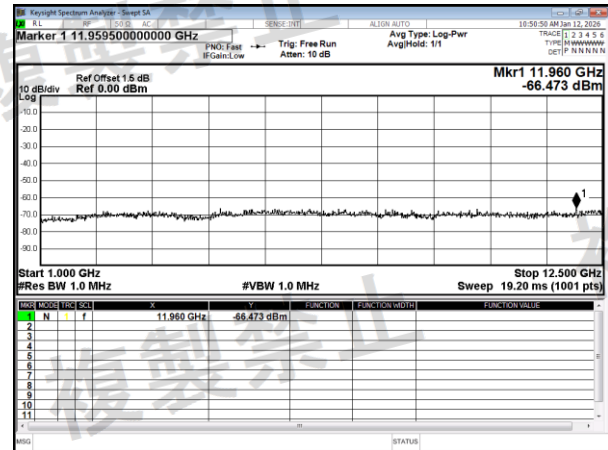
Modulation Type: 802.11b

CH01

Frequency Band: <1GHz

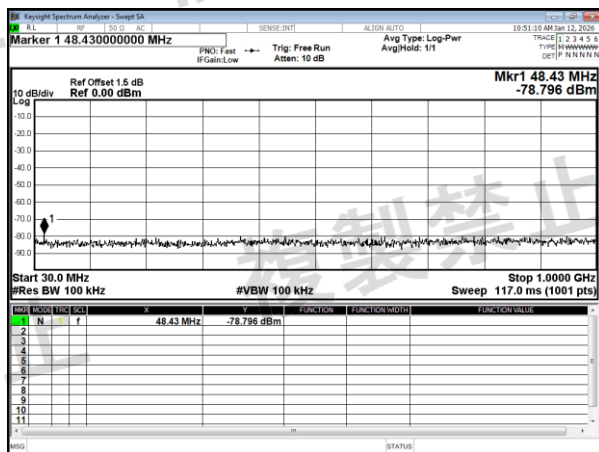


Frequency Band: 1GHz ~ 12.5GHz

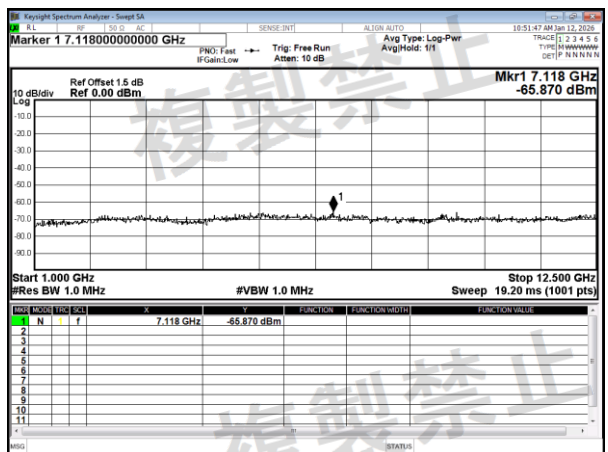


CH07

Frequency Band: <1GHz

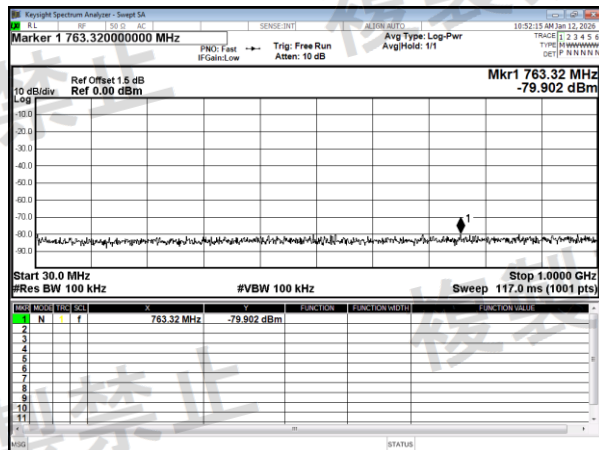


Frequency Band: 1GHz ~ 12.5GHz

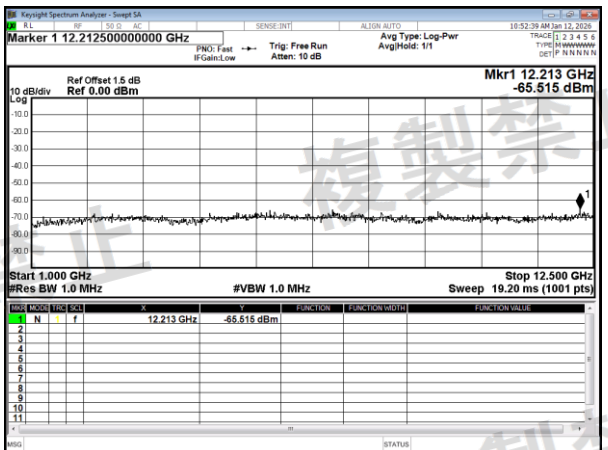


CH13

Frequency Band: <1GHz



Frequency Band: 1GHz ~ 12.5GHz

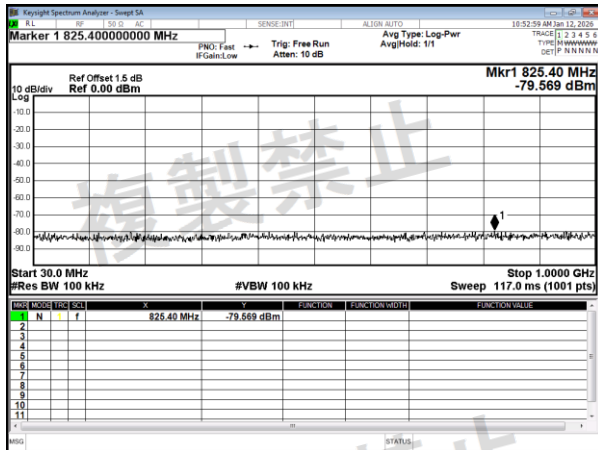




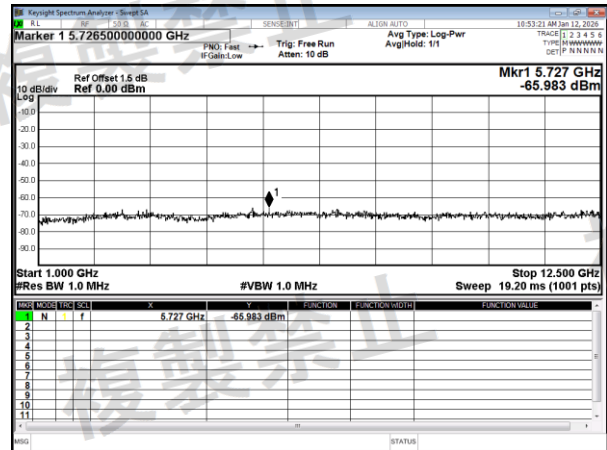
Modulation Type: 802.11g

CH01

Frequency Band: <1GHz

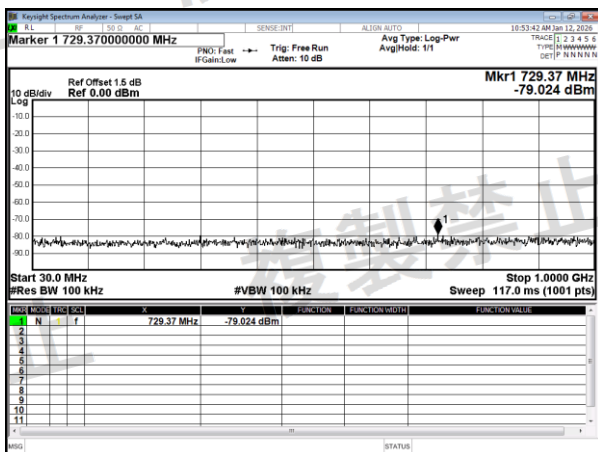


Frequency Band: 1GHz ~ 12.5GHz

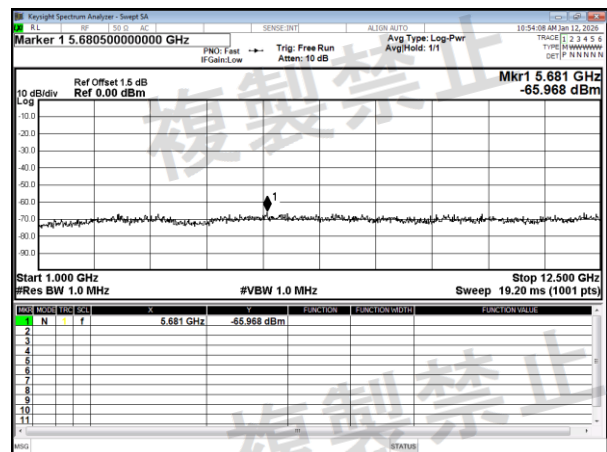


CH07

Frequency Band: <1GHz

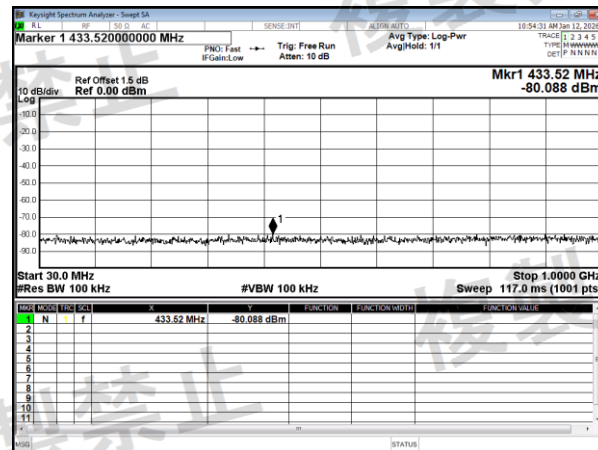


Frequency Band: 1GHz ~ 12.5GHz

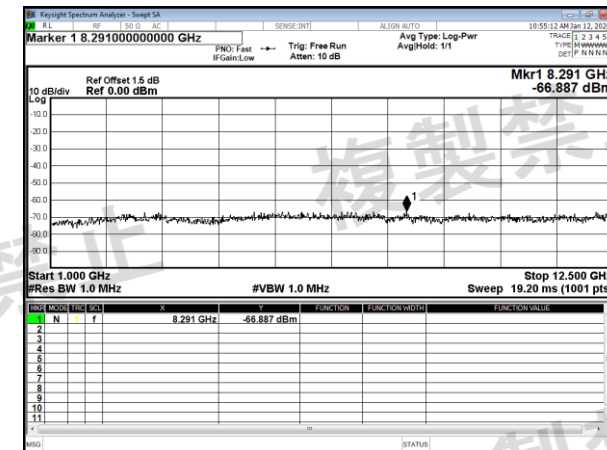


CH13

Frequency Band: <1GHz



Frequency Band: 1GHz ~ 12.5GHz

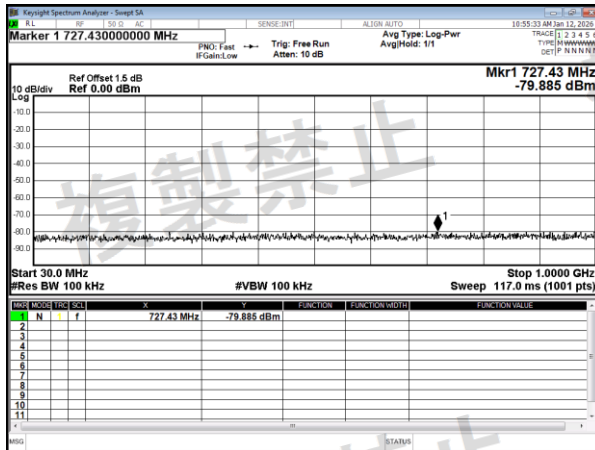




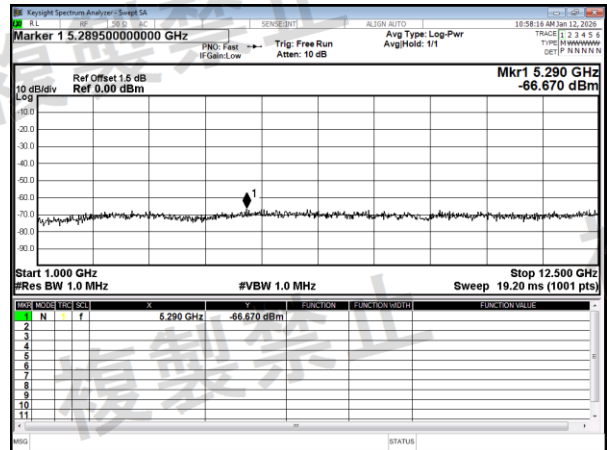
Modulation Type: 802.11n HT20

CH01

Frequency Band: <1GHz

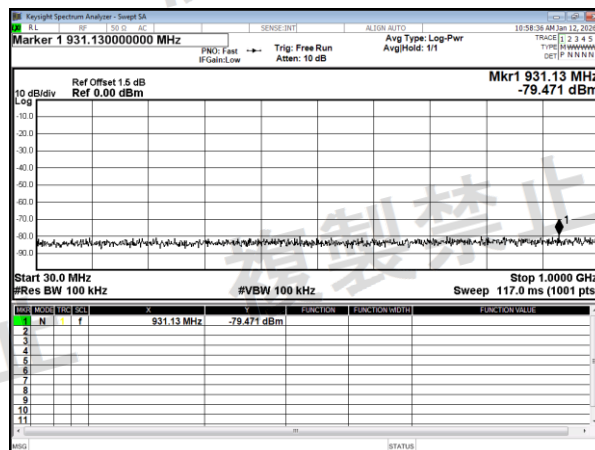


Frequency Band: 1GHz ~ 12.5GHz

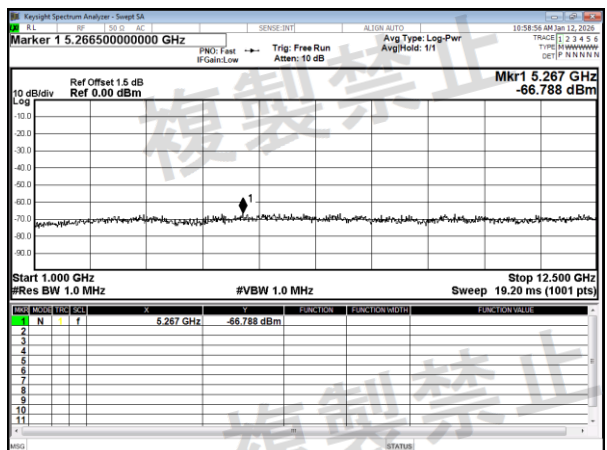


CH07

Frequency Band: <1GHz

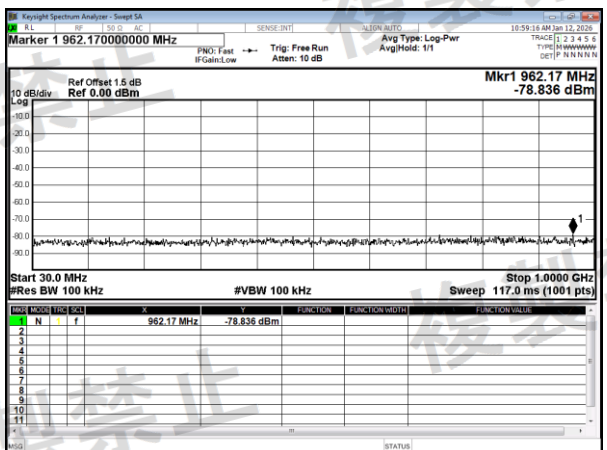


Frequency Band: 1GHz ~ 12.5GHz

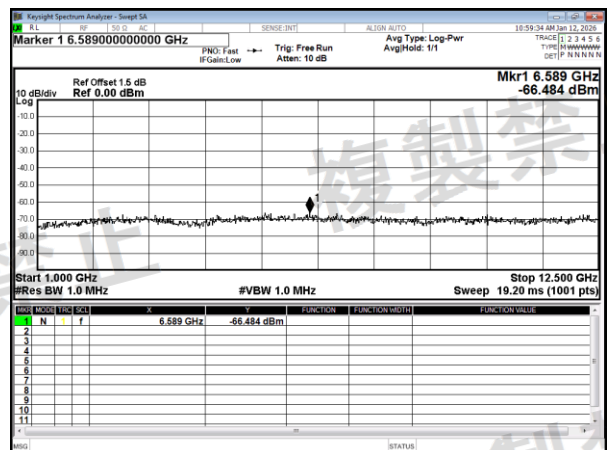


CH13

Frequency Band: <1GHz



Frequency Band: 1GHz ~ 12.5GHz





6. Angular Width of Principal Radiation

6.1 Test Result

Antenna Type	Dipole Antenna
Antenna Gain (dBi)	4.17
Cable Loss (dB)	0
EIRP (dBm/MHz)	10.20
Half Power Beam Angles (deg)	360
Limit of E.I.R.P (dBm/MHz)	12.14
Result	Pass



7. Power Supply Voltage Fluctuation Test

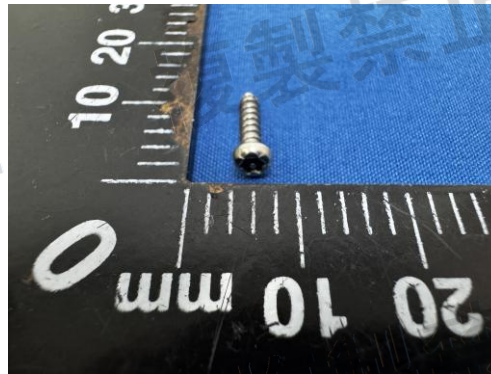
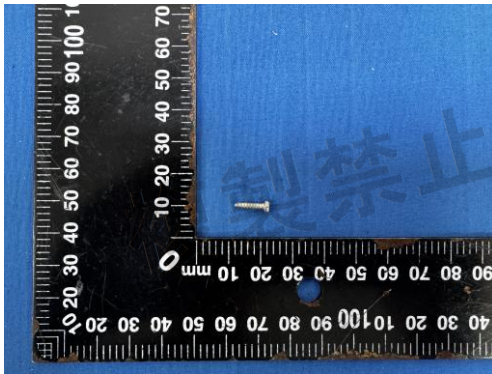
Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	12	13.2	10.8
Output DC Power	3.300	3.300	3.300
Voltage Variation (%)	-	0.00%	0.00%

Note: Voltage Variation(%)=(Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100 During the 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 tests ,EUT only operated in normal voltage to test all regulations.



8. Construction Protection Confirmation

The Radio Equipment:
■ Use Special Screw
☐ Metal Shielding is Soldered
☐ Use Ball Grid Array (BGA)
☐ The RF part is covered by glue.
☐ Ultrasonic Welding
Module/Chip:
☐ RF module/Chip Pins > 20 and Chip Pins distance < 1.5 mm



-----THE END OF REPORT-----