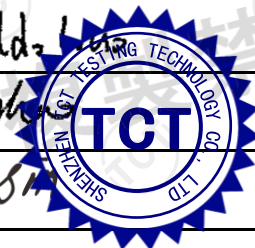




MIC REPORT

Test Report No..... :	TCT260424E007	
Date of issue..... :	Apr. 30, 2026	
Testing laboratory	Shenzhen TCT Testing Technology Co., Ltd.	
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China	
Applicant's name..... :	INTER COSMOS CORPORATION	
Address..... :	3-16 Kohbai-cho, Kita-ku, Osaka Japan	
Manufacturer's name ... :	INTER COSMOS CORPORATION	
Address..... :	3-16 Kohbai-cho, Kita-ku, Osaka Japan	
Factory's name..... :	Shenzhen Wiikk Technology Co., Ltd.	
Address..... :	East Side of 4/F, Whole Suite of the Factory, Building No.3, No.8Guansheng 5 Road, Luhua Community, Guanhu Street, Longhua District, Shenzhen, Guangdong, China	
Standard(s)	Article 2, Paragraph1, item 19 MIC Notice No.88 Appendix No.43	
Product Name..... :	ZANZO	
Trade Mark	Inter Cosmos	
Model/Type reference..... :	Refer to model list of page 3	
Rating(s)..... :	Adapter Information: MODEL: TDX-2406000 Input: AC 100-240V, 50/60Hz, 3.0A Output: DC 24.0V, 6.0A 144.0W	
Date of receipt of test item	Apr. 24, 2026	
Date (s) of performance of test..... :	Apr. 24, 2026 ~ Apr. 30, 2026	
Tested by (+signature) ... :	Ronaldo LUO	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



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1. General Product Information

1.1. EUT description

Product Name.....	ZANZO
Model/Type reference.....	65S+
Hardware Version.....	V2024
Software Version	V122
Operation Frequency	2412MHz~2472MHz (802.11b/802.11g/802.11n(HT20))
Channel Separation.....	5MHz
Number of Channel	13 for 802.11b/802.11g/802.11n(HT20)
Modulation Technology	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing (OFDM)
Data speed	802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps 802.11n: Up to 150Mbps
Antenna Type.....	IPX Copper tube Antenna
Antenna Gain.....	2.4dBi
Rating(s).....	Adapter Information: MODEL: TDX-2406000 Input: AC 100~240V, 50/60Hz, 3.0A Output: DC 24.0V, 6.0A 144.0W

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

No.	Model No.	Tested with
1	65S+	☒
Other models	30S+,42S+,100S+,150S+,180S+,10S+2,15S+2,20S+2,30S+2, 42S+2,65S+2,100S+2,120S+2,150S+2,180S+2,300S+2,400S+2, 65LIVE+,100LIVE+,300LIVE+,400LIVE+,B50,B75,B100,H50,H75, H100,T50,T75,T100	☐

Note: 65S+ is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of 65S+ can represent the remaining models.

1.3. Operation Frequency

For 802.11 b/g/n(HT20)

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	6	2437MHz	11	2462MHz
2	2417MHz	7	2442MHz	12	2467MHz
3	2422MHz	8	2447MHz	13	2472MHz
4	2427MHz	9	2452MHz	/	/
5	2432MHz	10	2457MHz	/	/

Note 1: The test channel selected as blow:

Channel	802.11b/g/n(HT20)
	Frequency
The lowest channel	2412MHz
The middle channel	2442MHz
The Highest channel	2472MHz

Note 2: The transmitting rate of WIFI selected as blow:

Mode	Transmitting Rate
802.11b	1Mbps
802.11g	6 Mbps
802.11n(HT20)	6.5 Mbps

2. Test Result Summary

Requirement	Appendix No.43	Result
Frequency Deviation	Section 3	PASS
Occupied frequency bandwidth	Section 4	PASS
Secondary emission of radio wave	Section 7	PASS
Antenna power and deviation, EIRP	Section 6	PASS
Spurious radiation or extraneous emission strength	Section 5	PASS
Main lobe width of transmitting antenna	Section 9	N/A
Interference suppression function	Section 10	PASS
Number of Carrier	Section 11	PASS
Carrier Sensing Function	Section 8	N/A

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

3. General Information

3.1. Test environment and mode

Operating Environment:			
Temperature:	25.0 °C		
Humidity:	54 % RH		
Atmospheric Pressure:	1010 mbar		
Voltage			
	Input voltage (V)	voltage (V)	Percent (%)
Normal	24	3.3	
+10%	26.4	3.3	0
-10%	21.6	3.3	0
Note: When the input voltage is reduced or increased by 10%, the regulator voltage changes is less than 1%. So the following test items are conducted in the normal voltage.			
Test Mode:			
Operation mode:	1) Keep the EUT in continuous transmitting by select channel and modulations; 2) Keep the EUT in continuous receiver mode by each modulation.		

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3.3. Test Instruments List

Conducted Emission						
Name	Model No.	Serial Number	Manufacturer	Date of Cal.	Due Date	Calibrated by
Spectrum Analyzer	N9020A	MY49100619	Agilent	Jun. 26, 2025	Jun. 25, 2026	LiSai
Filter box	MW100-PSB	MW210530 TCT-19	MWRFtest	/	/	/
Power detector box	MW100-RFC B	MW210531 TCT	MWRFtest	Sep. 17, 2025	Sep. 16, 2026	LiSai
Programable tempratuce and humidity chamber	JQ-2000	510101234	JQ	Jun. 26, 2025	Jun. 25, 2026	LiSai
DC Power Supply	KR3005K	2203D0300864	Kingrang	Jun. 26, 2025	Jun. 25, 2026	LiSai
Attenuator	VAT-10W2	2051	MCL	Jun. 26, 2025	Jun. 25, 2026	LiSai

Remark:

Measuring Equipment Calibration Information		
Used	Calibration Company Abbreviation	Full Name of calibration company
☒	LiSai	Guangzhou LiSai Metrology & Test Co., Ltd.
Calibration Information (Article 24-2, Paragraph 4 of the Radio Act)		
☐	(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	

4. Test Facilities

Shenzhen TCT Testing Technology Co., Ltd.

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict,
Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5. Measurement Uncertainty

The reported 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	MU
1	RF power, conducted	± 0.12 dB
2	Spurious emissions, conducted	± 0.11 dB
3	Temperature	± 0.1 °C
4	Humidity	± 1.0 %

6. Test Results and Measurement Data

6.1. Frequency Deviation

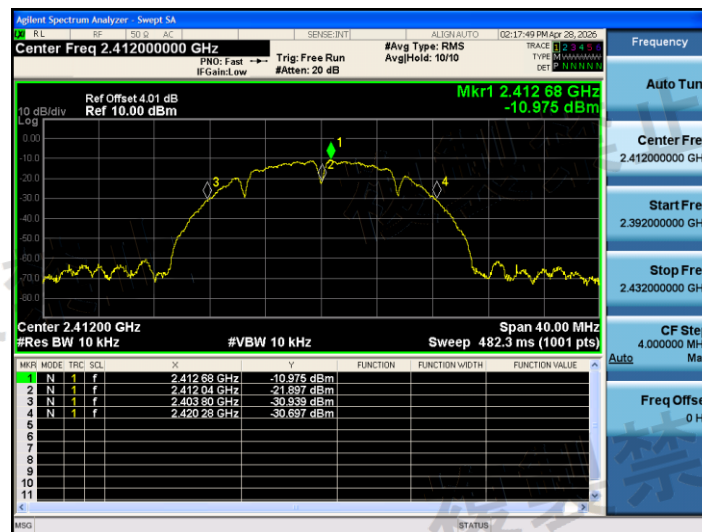
6.1.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 3
Limits:	±50 ppm
Test Setup:	 The diagram illustrates the test setup. On the left is a green rectangular device labeled 'Spectrum Analyzer'. A black cable connects it to a yellow rectangular device on the right labeled 'EUT'.
Test Procedure:	1. Frequency accuracy of SA shall be less than 10% of limits tolerance (5ppm) 2. Setting of SA is following as: RBW:10 kHz / VBW:10 kHz 3. Center Frequency: The center frequency of testing for EUT 4. Sweep time: Auto 5. Sweep mode: Continuous sweep 6. Detect mode: Positive peak 7. EUT have transmitted modulation signal and fixed channelize. fl and fh is -20dB points, $f_c = (f_l + f_h)/2$, f_c is declaring of channel frequency. Then the frequency error formula is $(f - f_c)/f_c \times 10^6$ ppm and the limit is less than ±50 ppm.
Test Result:	PASS

6.1.2. Test Data

Test conditions		2412MHz	2442MHz	2472MHz	Limit	Result
Volt.(dc)	Temp.					
24V	25°C	2412.04 MHz	2441.98 MHz	2471.94 MHz	±50 ppm	PASS
		16.58ppm	-8.19ppm	-24.27ppm		

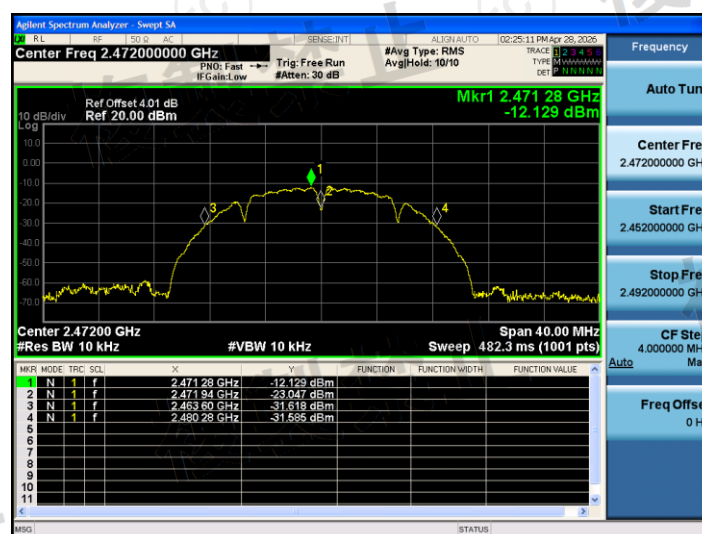
2412MHz



2442MHz



2472MHz



6.2. Occupied frequency bandwidth

6.2.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 4
Limit:	Occupied frequency bandwidth for DSSS: ≤ 26 MHz Occupied frequency bandwidth for OFDM: ≤ 40 MHz
Test Setup:	 Spectrum Analyzer EUT
Test Procedure:	1. Setting of SA is following as: RBW:300 kHz / VBW: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold 2. EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26 MHz for DSSS and OFDM Device. 3. SA set to 90% of occupied bandwidth to measure Spread Spectrum Bandwidth.
Test Result:	PASS

6.2.2. Test Data

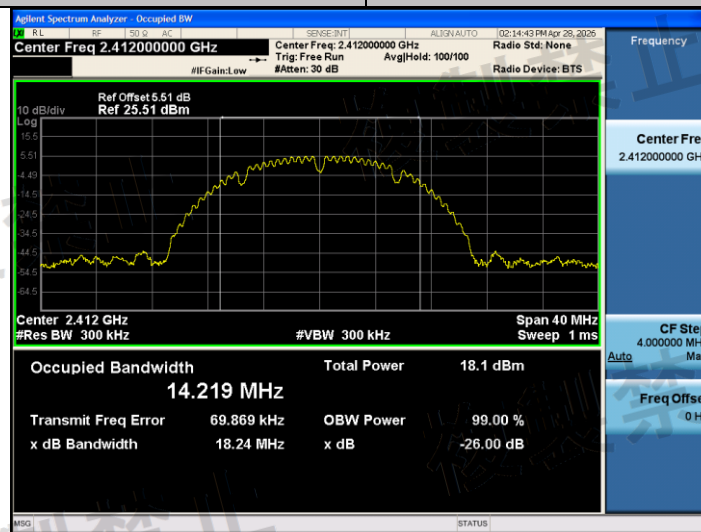
Occupied Frequency Bandwidth						
Test Condition		Lowest (MHz)	Middle (MHz)	Highest (MHz)	Limit (MHz)	Result
Volt.(dc)	Temp.					
802.11b						
24V	25°C	14.22	14.35	14.51	≤ 26	PASS
802.11g						
24V	25°C	16.78	16.90	16.96	≤ 26	PASS
802.11n(HT20)						
24V	25°C	17.80	17.83	17.86	≤ 26	PASS

802.11b:

Occupied Bandwidth:

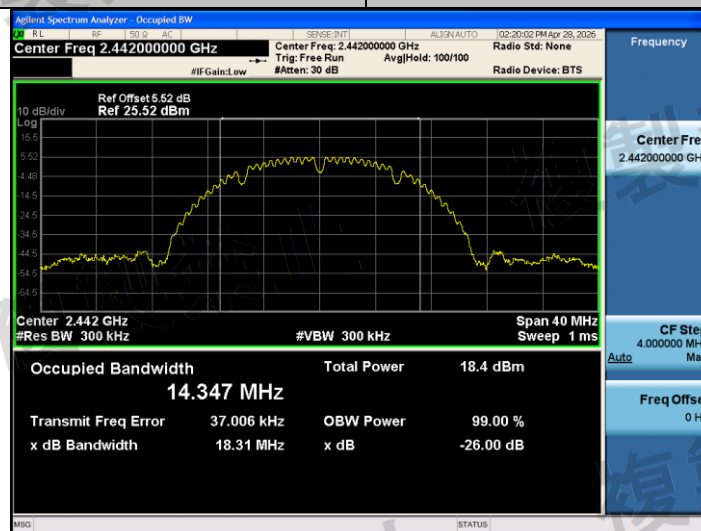
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Lowest channel



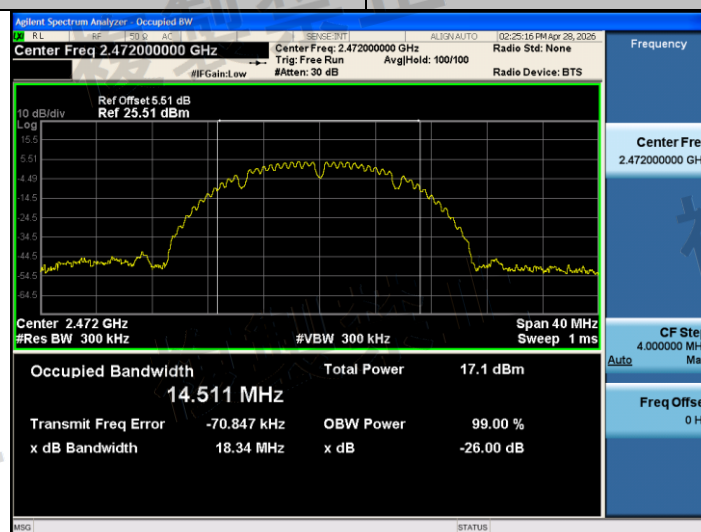
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Middle channel



Test Item: 99% Occupied Frequency Bandwidth

Test channel: Highest channel

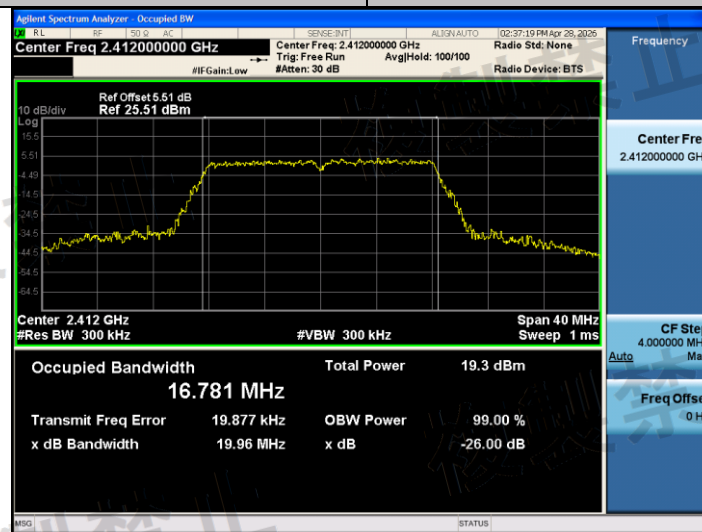


802.11g:

Occupied Bandwidth:

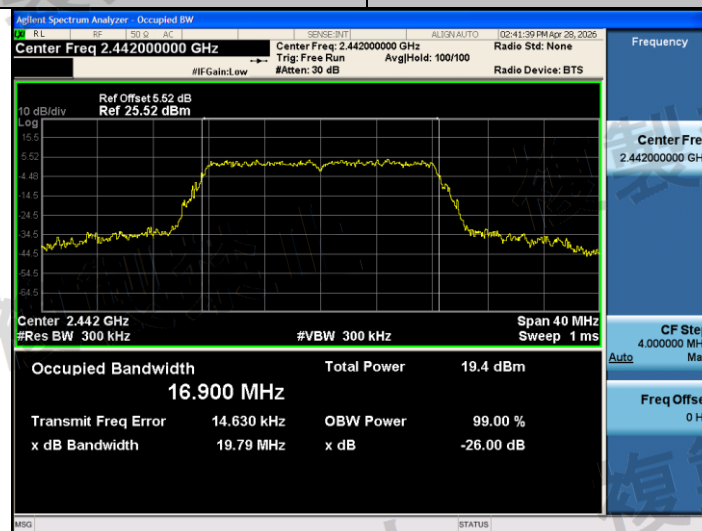
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Lowest channel



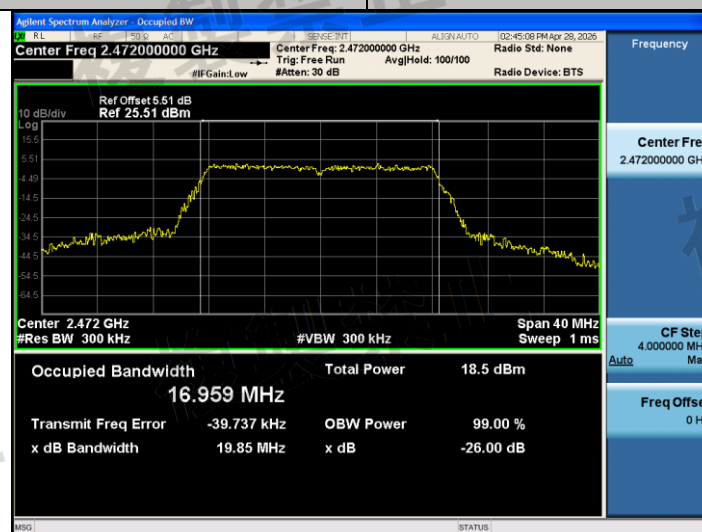
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Middle channel



Test Item: 99% Occupied Frequency Bandwidth

Test channel: Highest channel

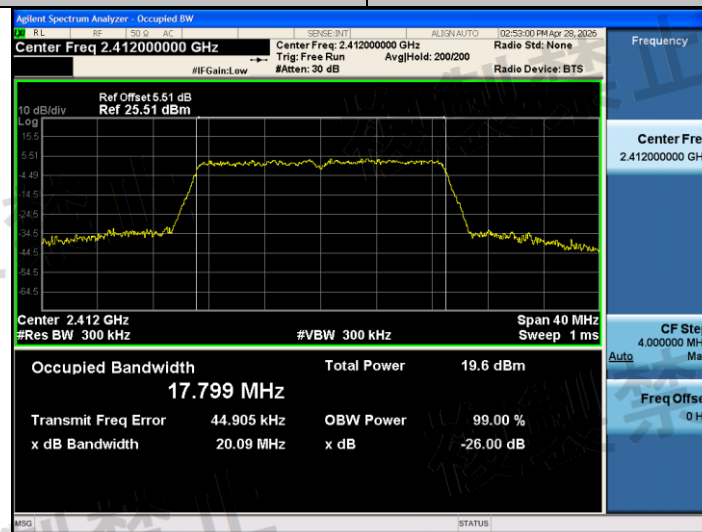


802.11n(HT20):

Occupied Bandwidth:

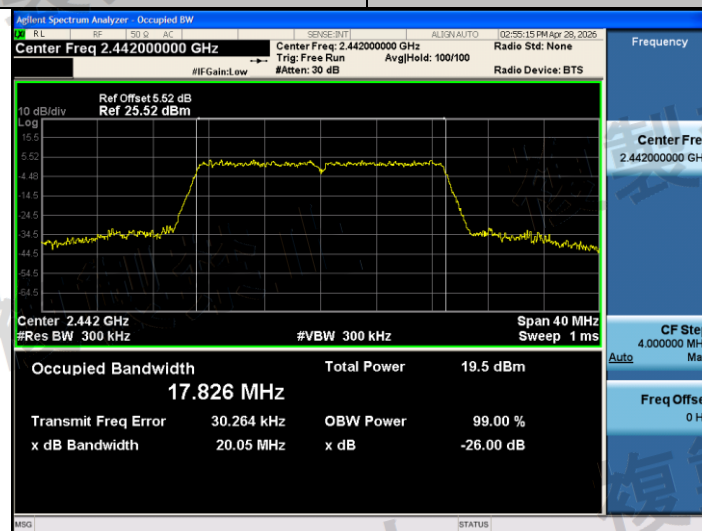
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Lowest channel



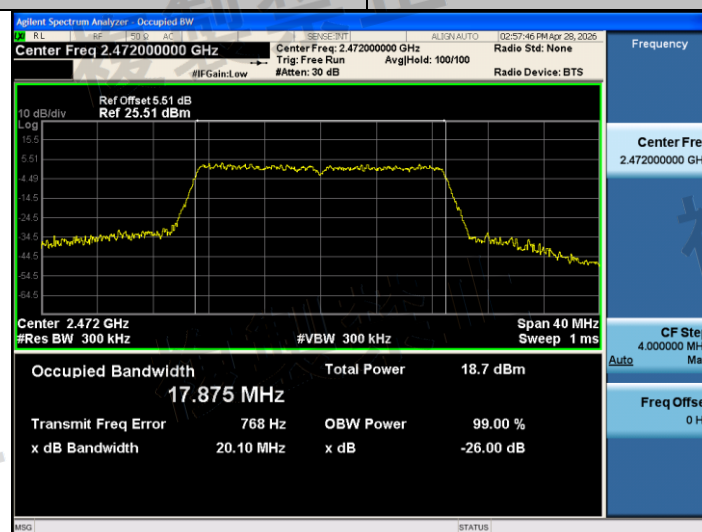
Test Item: 99% Occupied Frequency Bandwidth

Test channel: Middle channel



Test Item: 99% Occupied Frequency Bandwidth

Test channel: Highest channel



6.3. Secondary emission of radio wave

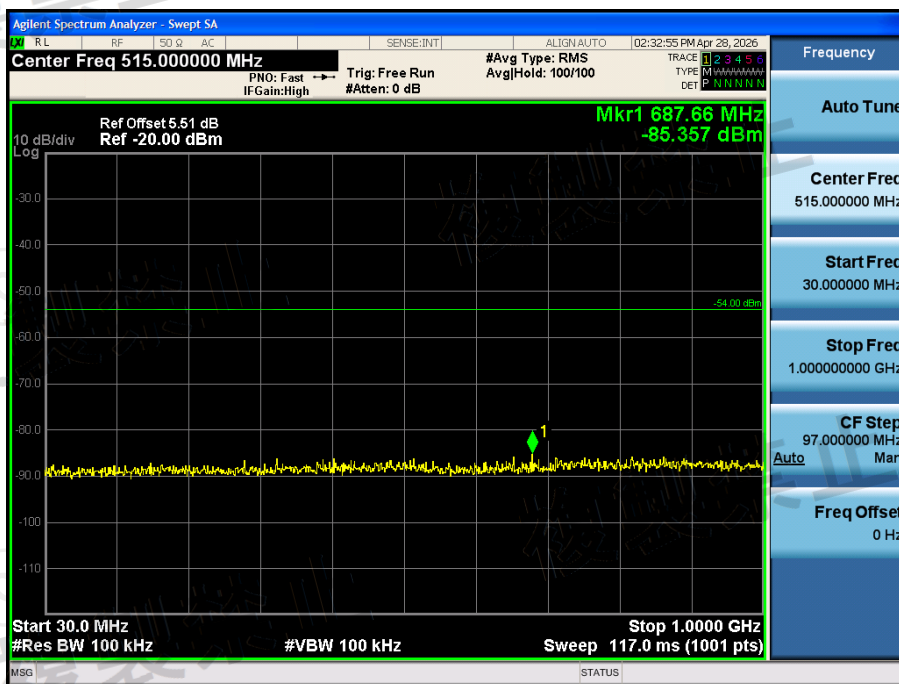
6.3.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 7
Limit:	4 nW for below 1 GHz, 20 nW for above 1 GHz
Test Setup:	 Spectrum Analyzer EUT
Test Procedure:	1. EUT have the continuous reception mode and fixed only one channelize. 2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
Test Result:	PASS

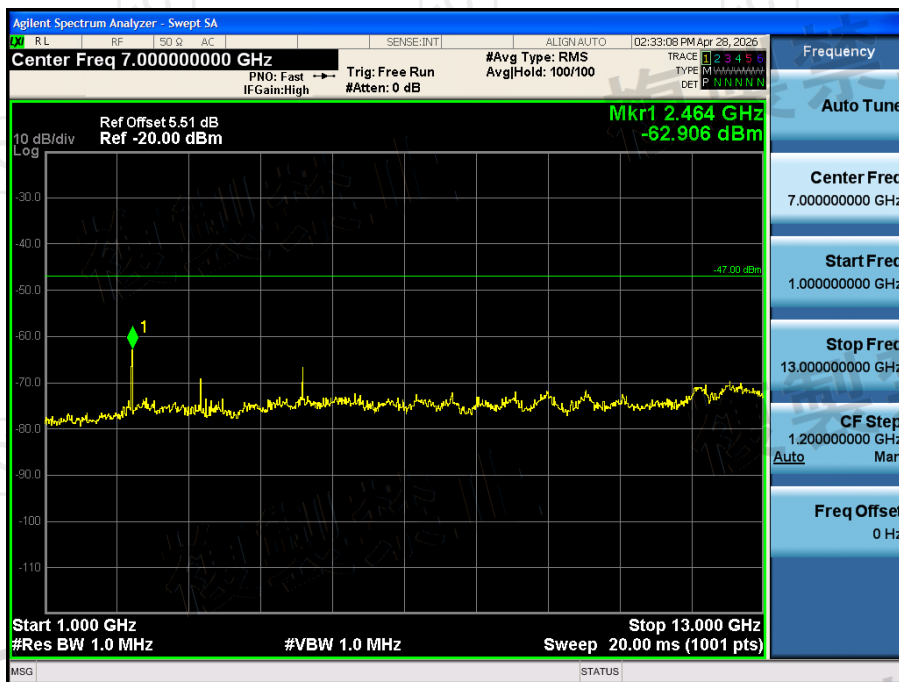
6.3.2. Test data

802.11b:							
Test conditions		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Read Level (nW)	Limit(nW)	Result
Volt.(dc)	Temp.						
24V	25℃	30-1000	687.66	-85.36	0.003	4	PASS
		1000-13000	2464	-62.91	0.512	20	
802.11g:							
Test conditions		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Read Level (nW)	Limit(nW)	Result
Volt.(dc)	Temp.						
24V	25℃	30-1000	494.63	-74.09	0.039	4	PASS
		1000-13000	2476	-62.79	0.526	20	
802.11n(HT20):							
Test conditions		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Read Level (nW)	Limit(nW)	Result
Volt.(dc)	Temp.						
24V	25℃	30-1000	435.46	-82.65	0.005	4	PASS
		1000-13000	2464	-63.38	0.459	20	

Test plots of 802.11b in normal condition as follows:

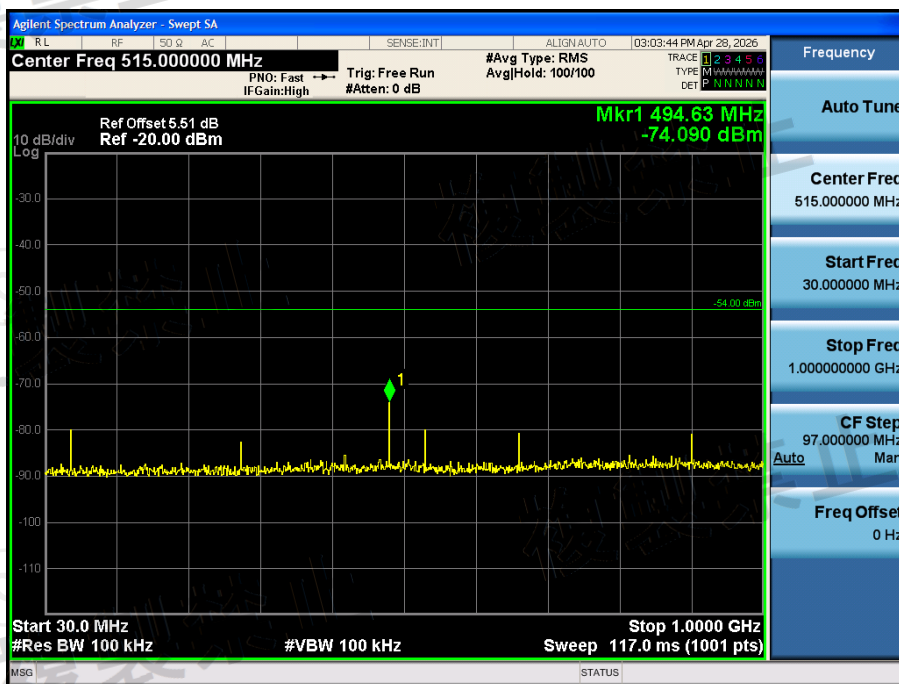


30MHz~1GHz

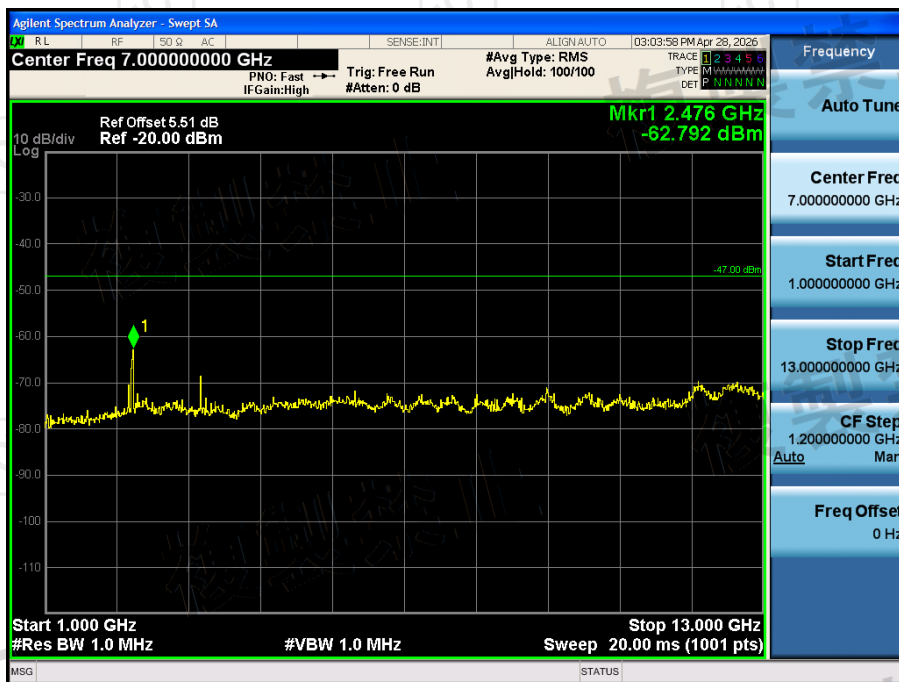


1GHz~13GHz

Test plots of 802.11g in normal condition as follows:

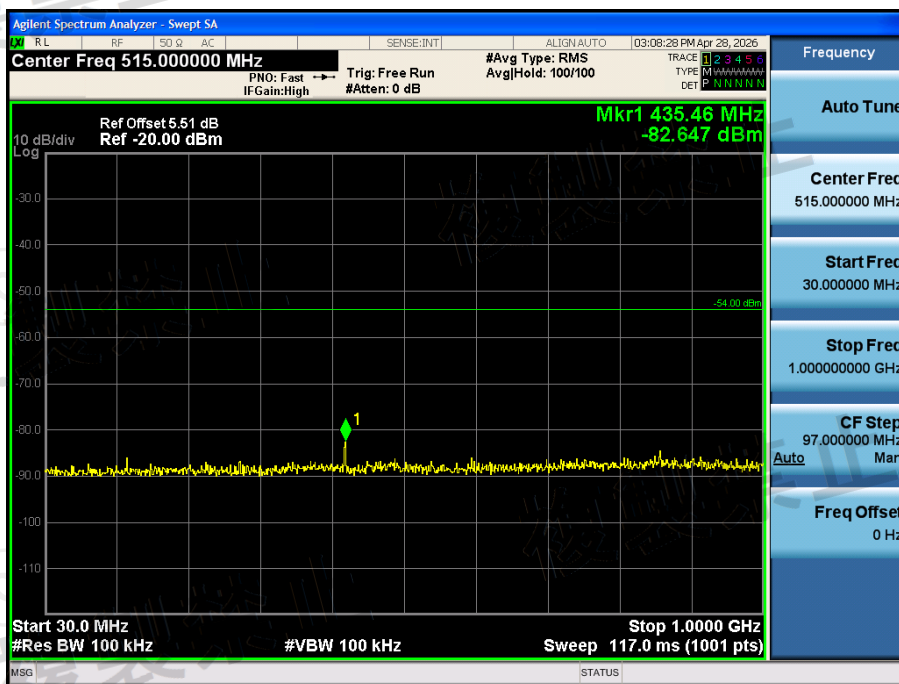


30MHz~1GHz

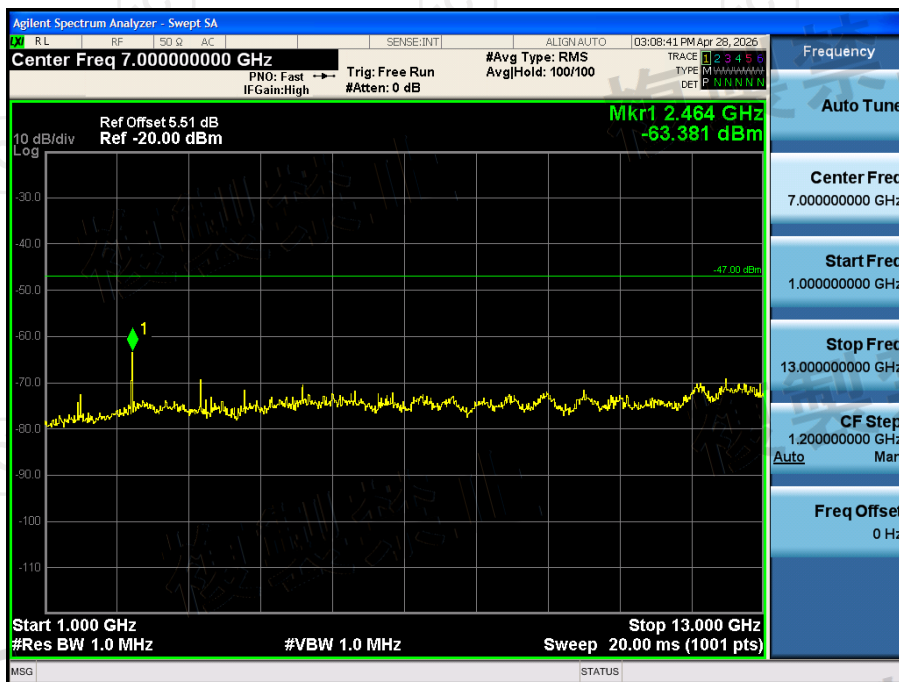


1GHz~13GHz

Test plots of 802.11n(HT20) in normal condition as follows:



30MHz~1GHz



1GHz~13GHz

6.4. Antenna power and deviation, EIRP

6.4.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 6
Limit:	Antenna Power: ≤ 10 mW/MHz (bandwidth ≤ 26 MHz); ≤ 5 mW/MHz (bandwidth ≤ 38 MHz); Deviation: + 20% E.I.R.P: ≤ 12.14 dBm/MHz(bandwidth ≤ 26 MHz); ≤ 9.13 dBm/MHz(bandwidth ≤ 38 MHz);
Test Setup:	 Spectrum Analyzer EUT
Test Procedure:	1. Connect the UUT to the spectrum analyzer and use the following settings: Centre Frequency: The centre frequency of the channel under test. RBW: 1MHz/VBW: 1MHz/ Span: Wide enough to cover the complete power envelope of the signal of the EUT. / Detector: Peak. / Trace Mode: Max Hold. 2. When the trace is complete, find the peak value of the power envelope and record the frequency. 3. Set the peak value point as the centre Frequency, Span =0, find the peak value of the power envelope and record the frequency. 4. Calculated the Maximum deviation and recorded the results. Deviation = (Antenna Power – Rated Output Power) / Rated Output Power * 100%
Test Result:	PASS

6.4.2. Test data

Test Condition	Channel	Measured Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Rated Power (mW/MHz)	Maximum Deviation (%)	Limit (%)	Result
24V, 25°C								
802.11b	Low	4.15	2.60	10	3.00	-13.33	20	PASS
	Mid	4.16	2.61			-13.00		PASS
	High	3.21	2.09			-30.33		PASS

The Rated Power is 5.00mW/MHz, which declared by manufacturer.

Maximum Tolerance = (Antenna Power - Rated Power) / Rated power * 100%

Test Condition	Channel	Measured Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Rated Power (mW/MHz)	Maximum Deviation (%)	Limit (%)	Result
24V, 25°C								
802.11g	Low	0.91	1.23	10	2.00	-38.50	20	PASS
	Mid	1.19	1.32			-34.00		PASS
	High	0.61	1.15			-42.50		PASS

The Rated Power is 2.00mW/MHz, which declared by manufacturer.

Maximum Tolerance = (Antenna Power - Rated Power) / Rated power * 100%

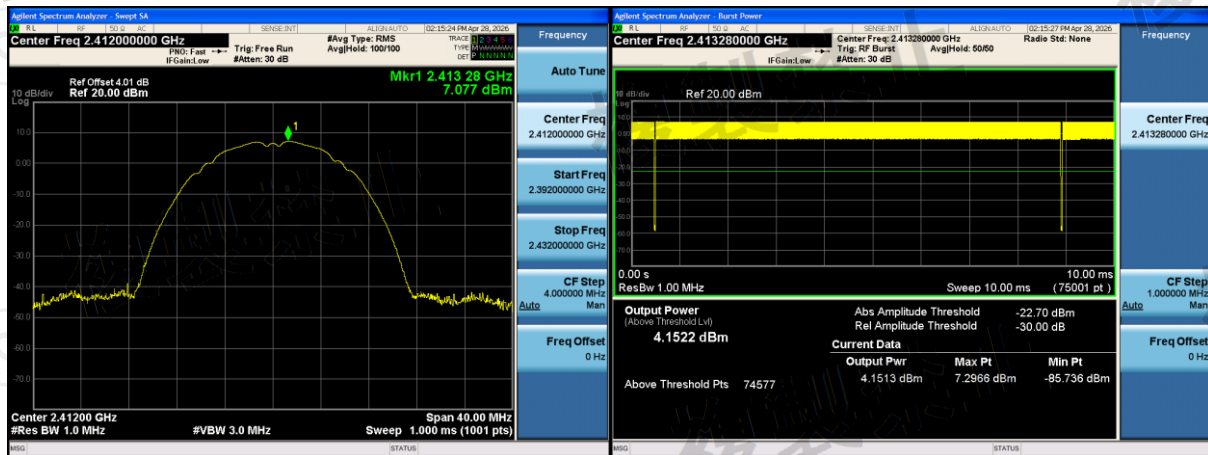
Test Condition	Channel	Measured Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Rated Power (mW/MHz)	Maximum Deviation (%)	Limit (%)	Result
24V, 25°C								
802.11n (HT20)	Low	0.95	1.24	10	2.00	-38.00	20	PASS
	Mid	0.97	1.25			-37.50		PASS
	High	0.70	1.17			-41.50		PASS

The Rated Power is 2.00mW/MHz, which declared by manufacturer.

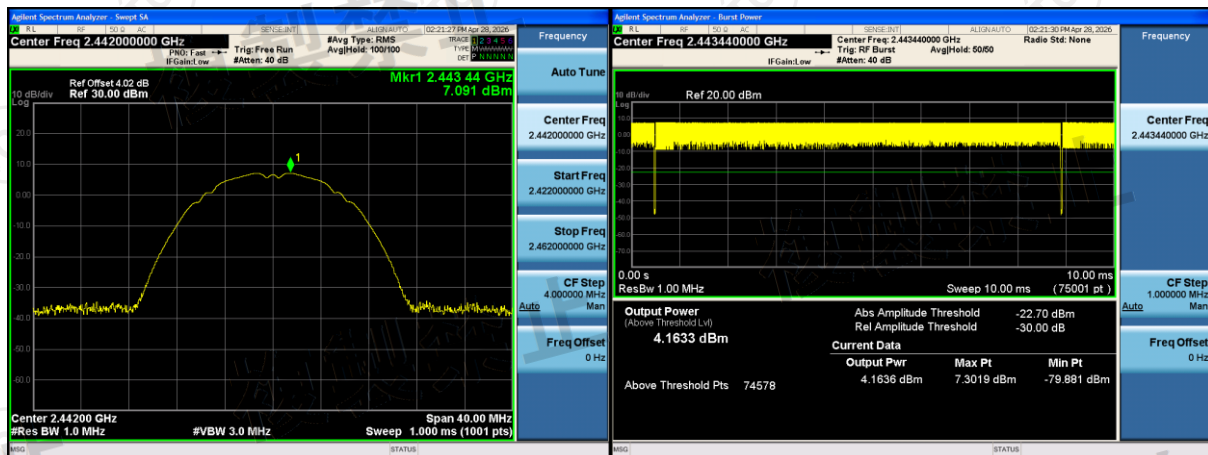
Maximum Tolerance = (Antenna Power - Rated Power) / Rated power * 100%

Test plots as follows:
802.11b

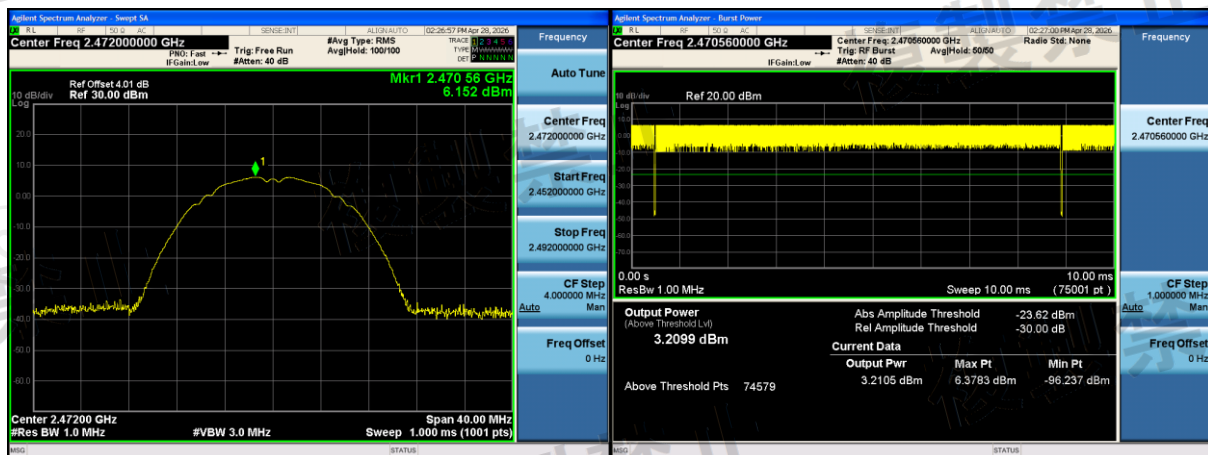
Lowest channel



Middle channel

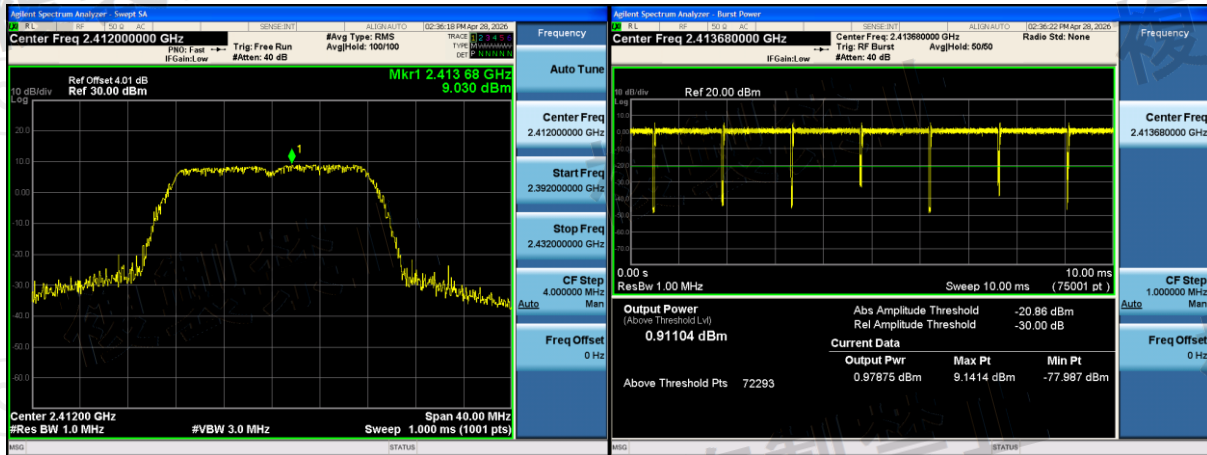


Highest channel

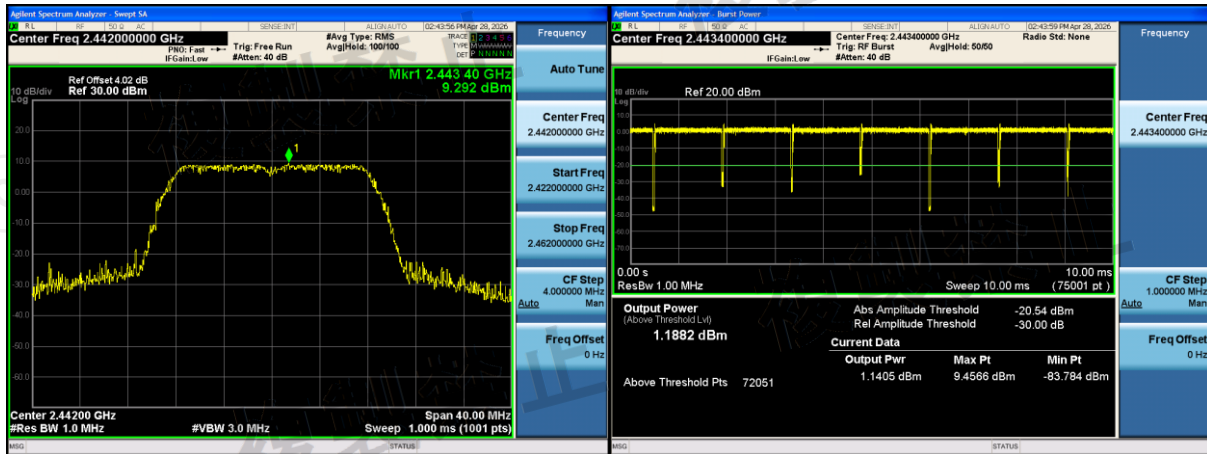


802.11g

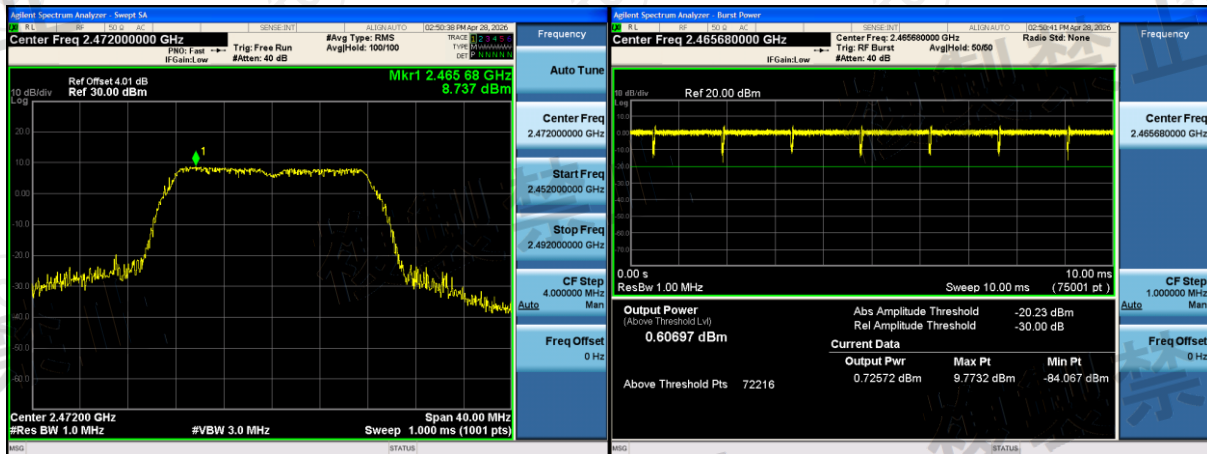
Lowest channel



Middle channel

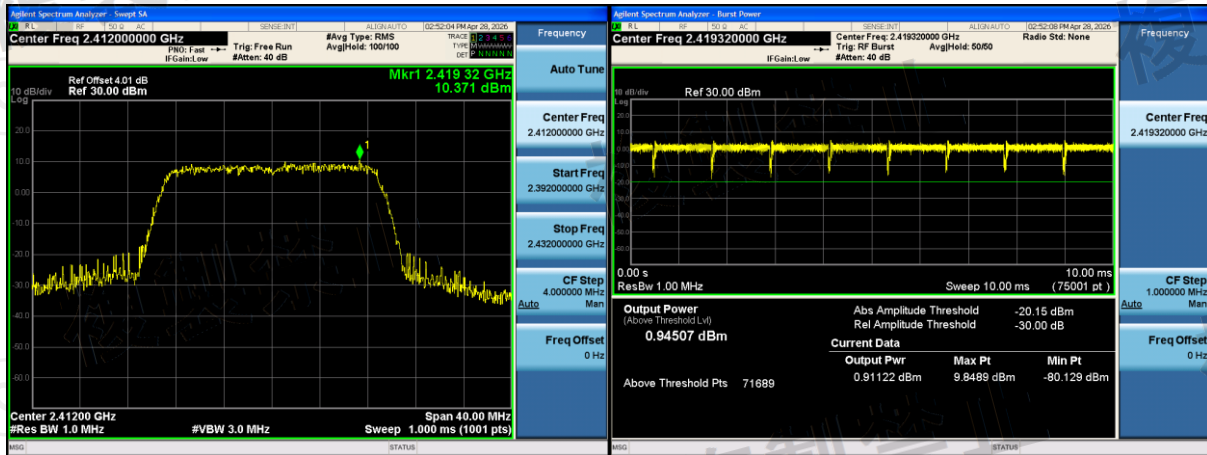


Highest channel

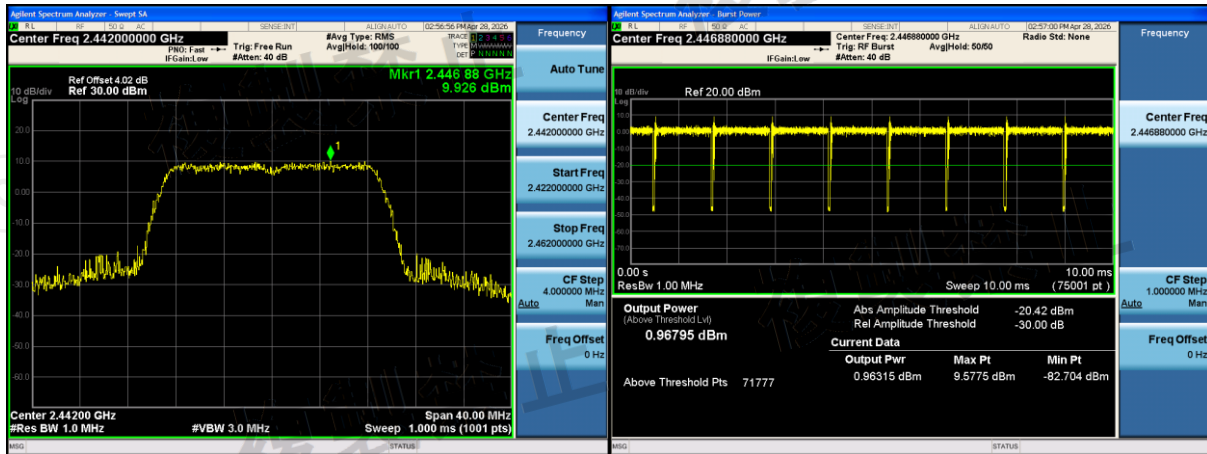


802.11n(HT20)

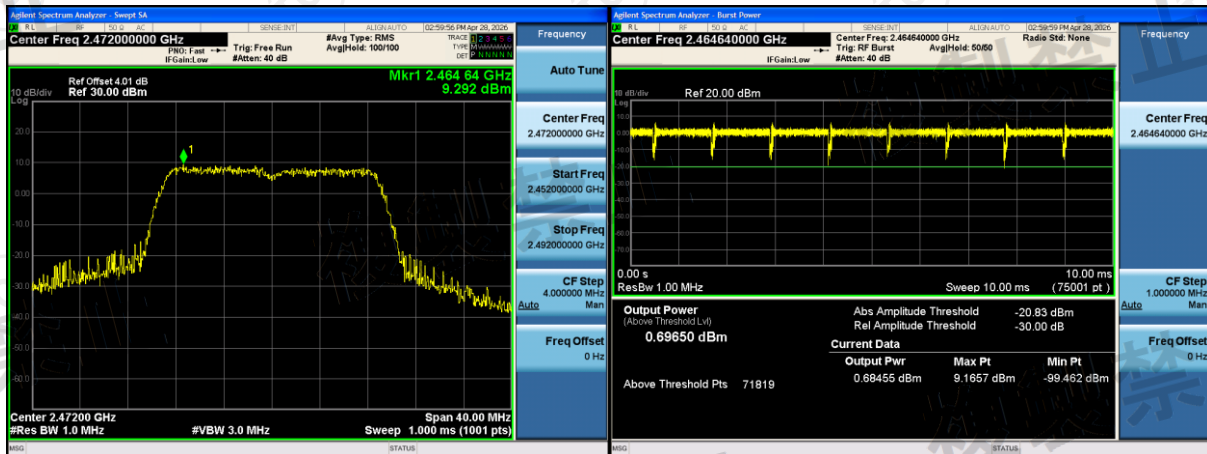
Lowest channel



Middle channel



Highest channel



EIRP Power

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
24V, 25°C						
802.11b	Low	4.15	2.4	6.55	12.14	PASS
	Mid	4.16	2.4	6.56		PASS
	High	3.21	2.4	5.61		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
24V, 25°C						
802.11g	Low	0.91	2.4	3.31	12.14	PASS
	Mid	1.19	2.4	3.59		PASS
	High	0.61	2.4	3.01		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
24V, 25°C						
802.11n (HT20)	Low	0.95	2.4	3.35	12.14	PASS
	Mid	0.97	2.4	3.37		PASS
	High	0.70	2.4	3.10		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

6.5. Spurious radiation or extraneous emission strength

6.5.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 5
Limit:	30MHz~1000MHz: 2.5μW/MHz (-26dBm) 1000MHz~2387MHz: 2.5μW/MHz (-26dBm) 2387MHz~2400MHz: 25μW/MHz (-16dBm) 2483.5MHz~2496.5MHz: 25μW/MHz (-16dBm) 2496.5MHz~12.75GHz: 2.5μW/MHz (-26dBm)
Test Setup:	 Spectrum Analyzer EUT
Test Procedure:	1. EUT have transmitted the maximum modulation signal and fixed channelize. 2. Setting of SA is following as: VBW: 1MHz RBW: 1MHz / VBW: 1MHz/ Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold. EUT have transmitted the maximum modulation signal and fixed channel (For DSSS or OFDM Device).
Test Result:	PASS

6.5.2. Test Data

802.11b

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	99.84	-61.86	10	-51.86	0.007	2.5	PASS
		1000-2387	2385.60	-50.09	/	-50.09	0.010	2.5	
		2387-2400	2399.84	-39.68	/	-39.68	0.108	25	
		2483.5-2496.5	2484.48	-48.44	/	-48.44	0.014	25	
		2496.5-13000	12601	-47.35	/	-47.35	0.018	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	99.84	-63.09	10	-53.09	0.005	2.5	PASS
		1000-2387	2384.20	-49.90	/	-49.90	0.010	2.5	
		2387-2400	2391.56	-47.19	/	-47.19	0.019	25	
		2483.5-2496.5	2484.96	-48.71	/	-48.71	0.013	25	
		2496.5-13000	3599	-48.49	/	-48.49	0.014	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	923.37	-63.87	10	-53.87	0.004	2.5	PASS
		1000-2387	2387	-51.90	/	-51.90	0.006	2.5	
		2387-2400	2392.28	-48.49	/	-48.49	0.014	25	
		2483.5-2496.5	2483.50	-42.65	/	-42.65	0.054	25	
		2496.5-13000	12401	-48.15	/	-48.15	0.015	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

802.11g

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	705.12	-63.48	10	-53.48	0.004	2.5	PASS
		1000-2387	2387	-43.14	/	-43.14	0.049	2.5	
		2387-2400	2399.55	-23.24	/	-23.24	4.742	25	
		2483.5-2496.5	2484.88	-44.09	/	-44.09	0.039	25	
		2496.5-13000	3599	-47.31	/	-47.31	0.019	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	888.45	-64.02	10	-54.02	0.004	2.5	PASS
		1000-2387	2385.60	-46.14	/	-46.14	0.024	2.5	
		2387-2400	2395.11	-42.16	/	-42.16	0.061	25	
		2483.5-2496.5	2484.18	-42.31	/	-42.31	0.059	25	
		2496.5-13000	3599	-47.81	/	-47.81	0.017	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	797.27	-63.34	10	-53.34	0.005	2.5	PASS
		1000-2387	2387	-46.45	/	-46.45	0.023	2.5	
		2387-2400	2392.21	-42.11	/	-42.11	0.062	25	
		2483.5-2496.5	2483.51	-25.85	/	-25.85	2.600	25	
		2496.5-13000	2497	-41.90	/	-41.90	0.065	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

802.11n(HT20)

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	979.63	-63.28	10	-53.28	0.005	2.5	PASS
		1000-2387	2387	-40.62	/	-40.62	0.087	2.5	
		2387-2400	2397.05	-24.12	/	-24.12	3.873	25	
		2483.5-2496.5	2483.62	-42.19	/	-42.19	0.060	25	
		2496.5-13000	2612	-41.27	/	-41.27	0.075	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	761.38	-63.27	10	-53.27	0.005	2.5	PASS
		1000-2387	2384.20	-45.27	/	-45.27	0.030	2.5	
		2387-2400	2392.24	-40.08	/	-40.08	0.098	25	
		2483.5-2496.5	2484.57	-41.30	/	-41.30	0.074	25	
		2496.5-13000	3599	-48.13	/	-48.13	0.015	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

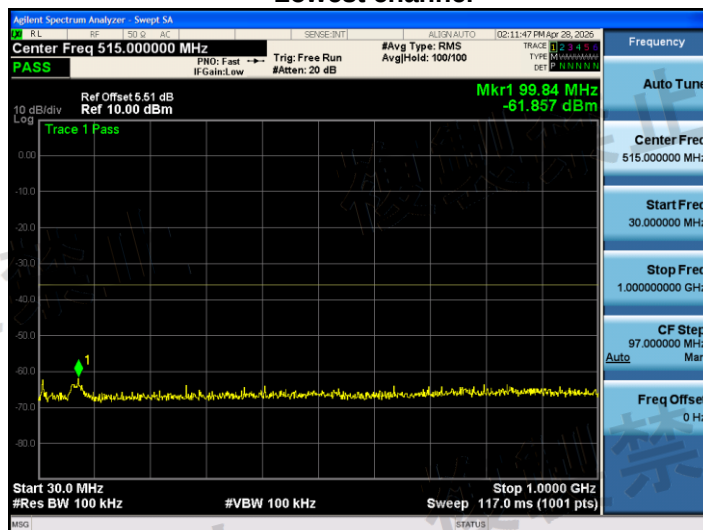
Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
24V	25°C	30-1000	910.76	-62.23	10	-52.23	0.006	2.5	PASS
		1000-2387	2384.20	-48.78	/	-48.78	0.013	2.5	
		2387-2400	2392.32	-44.17	/	-44.17	0.038	25	
		2483.5-2496.5	2483.92	-23.88	/	-23.88	4.093	25	
		2496.5-13000	2497	-38.45	/	-38.45	0.143	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

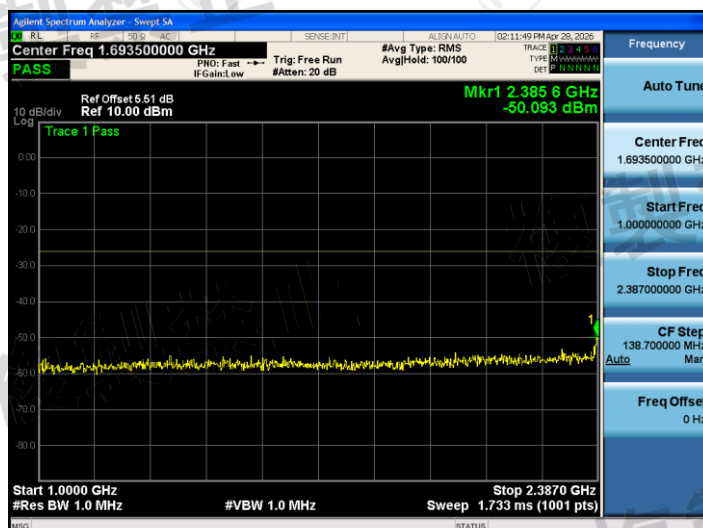
Test plots as follows:

802.11b:

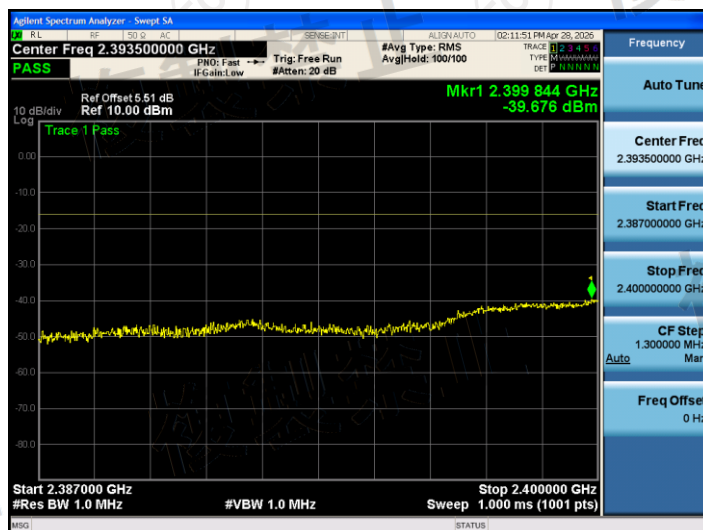
Lowest channel



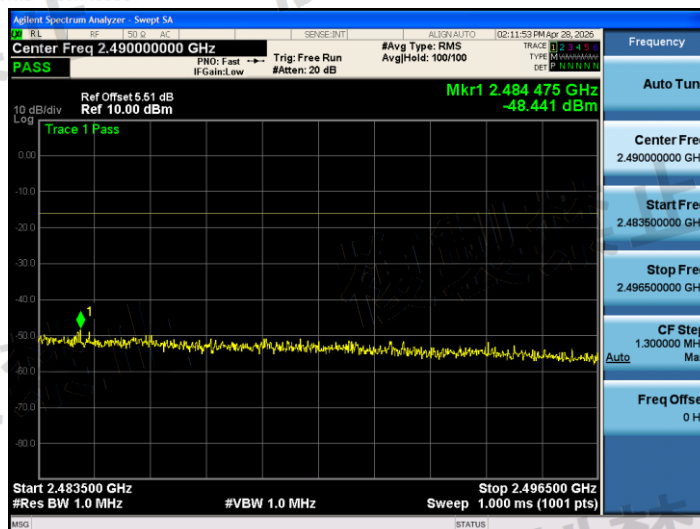
30 MHz – 1000 MHz



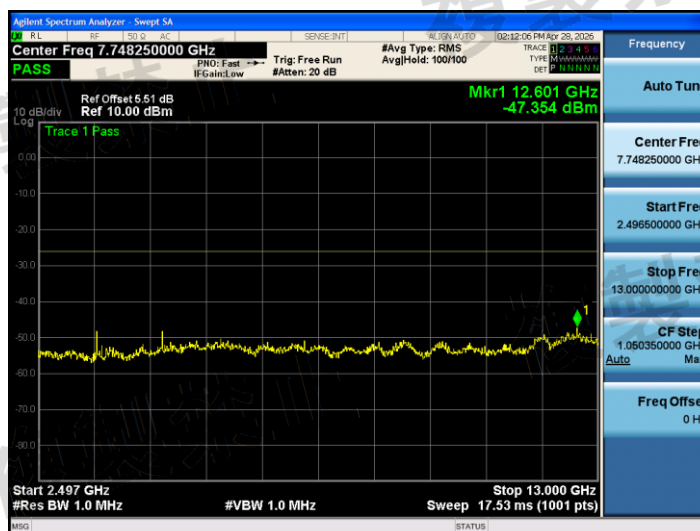
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

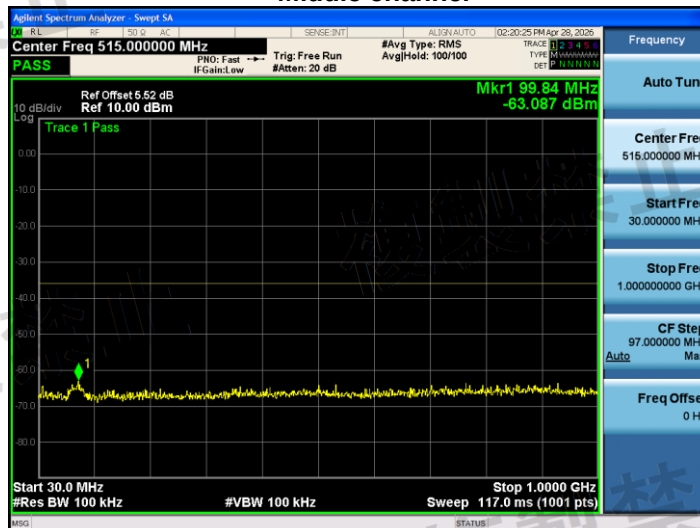


2483.5 MHz – 2496.5 MHz

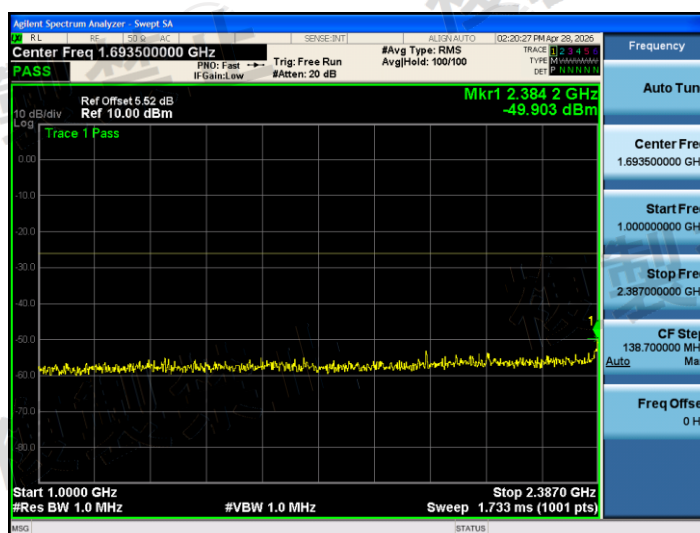


2496.5 MHz – 13000 MHz

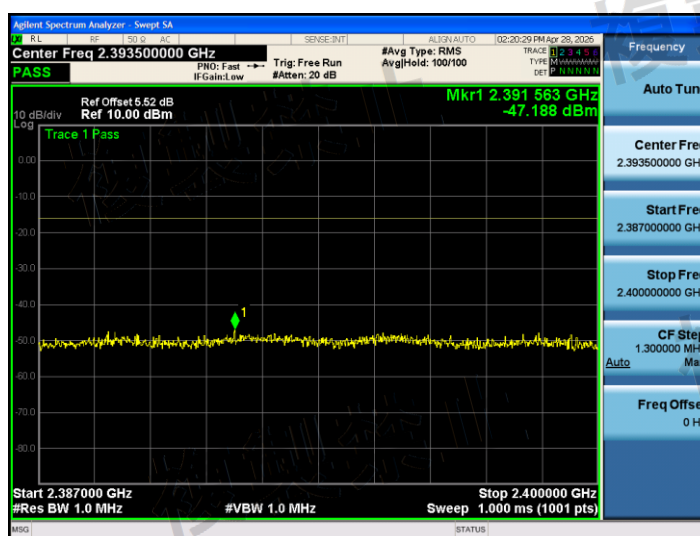
Middle channel



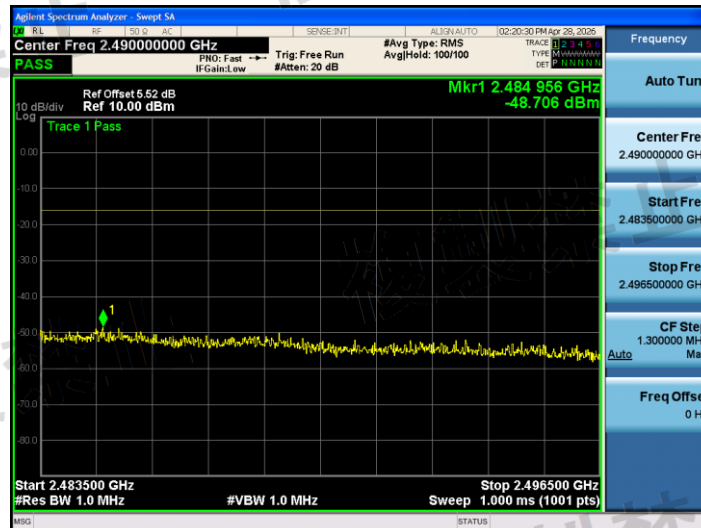
30 MHz – 1000 MHz



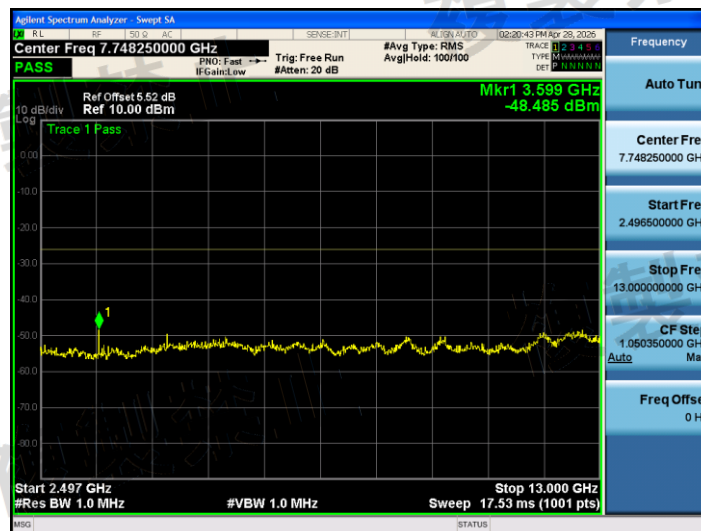
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

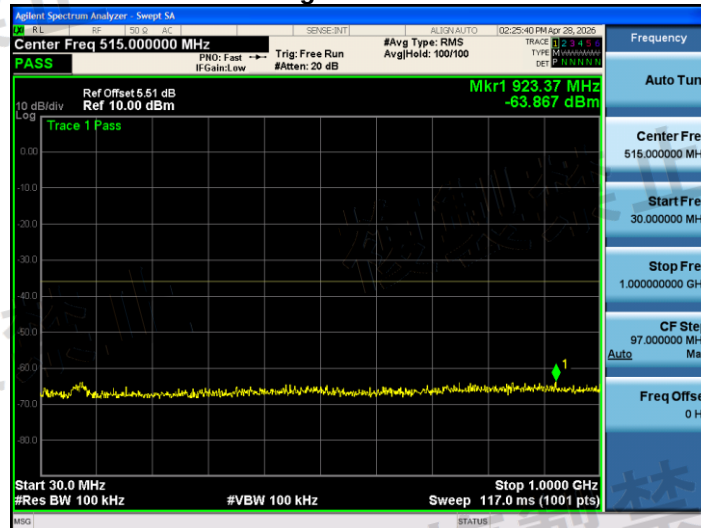


2483.5 MHz – 2496.5 MHz

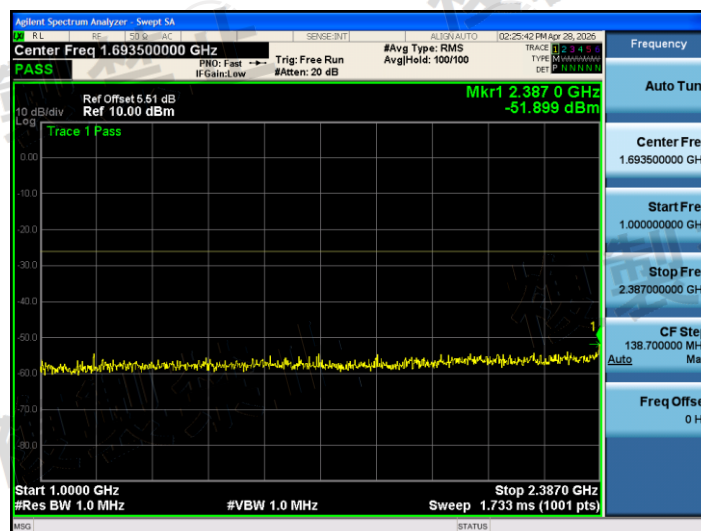


2496.5 MHz – 13000 MHz

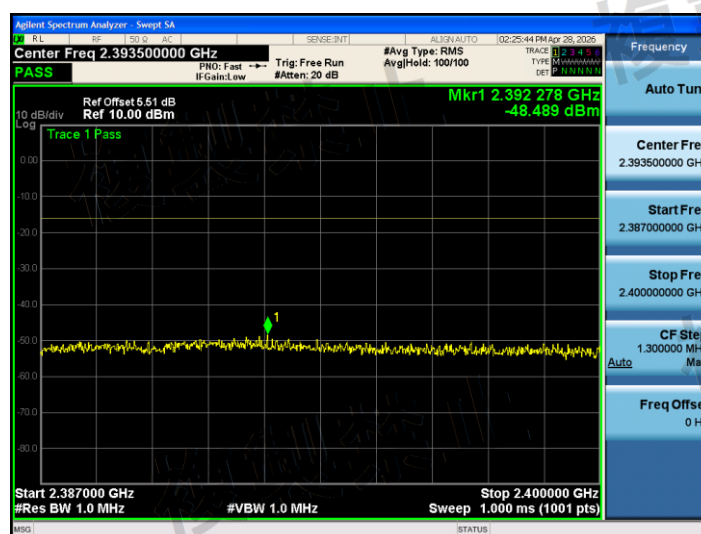
Highest channel



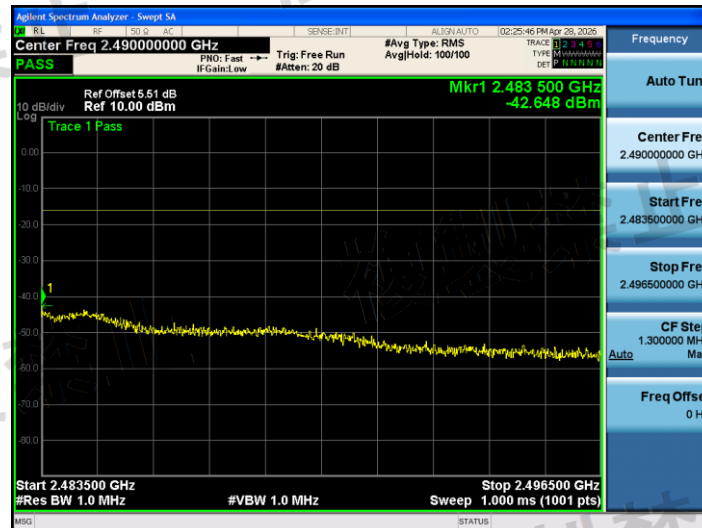
30 MHz – 1000 MHz



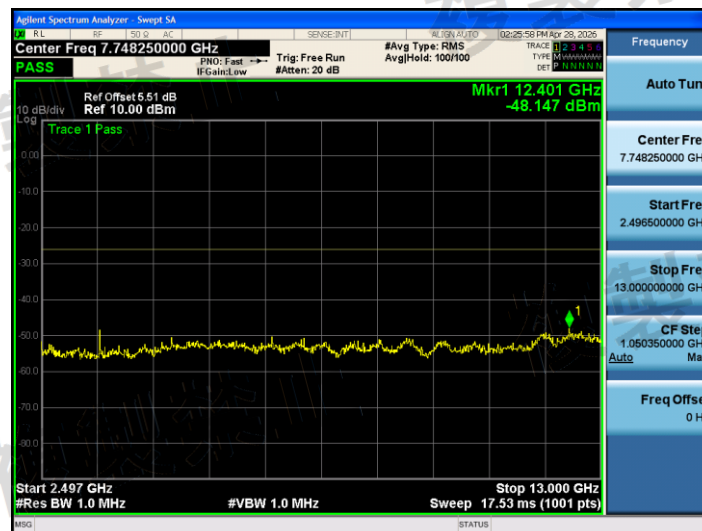
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

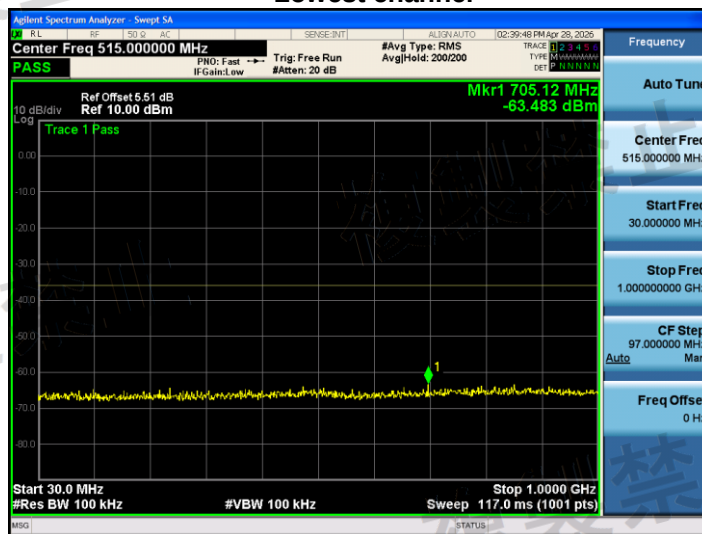


2483.5 MHz – 2496.5 MHz

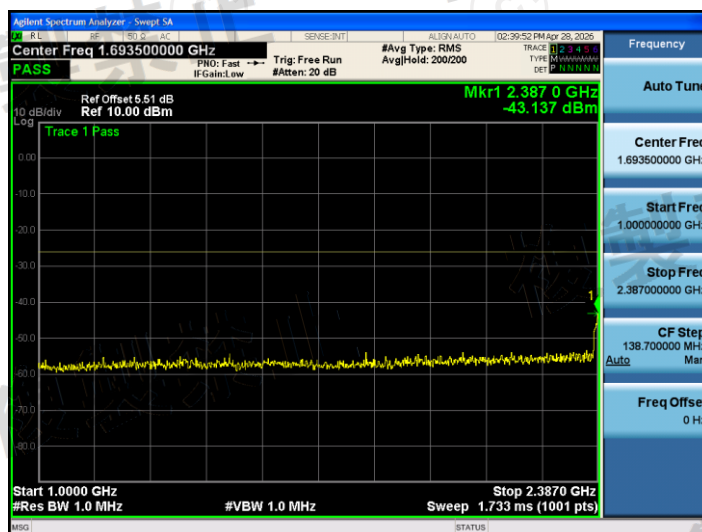


2496.5 MHz – 13000 MHz

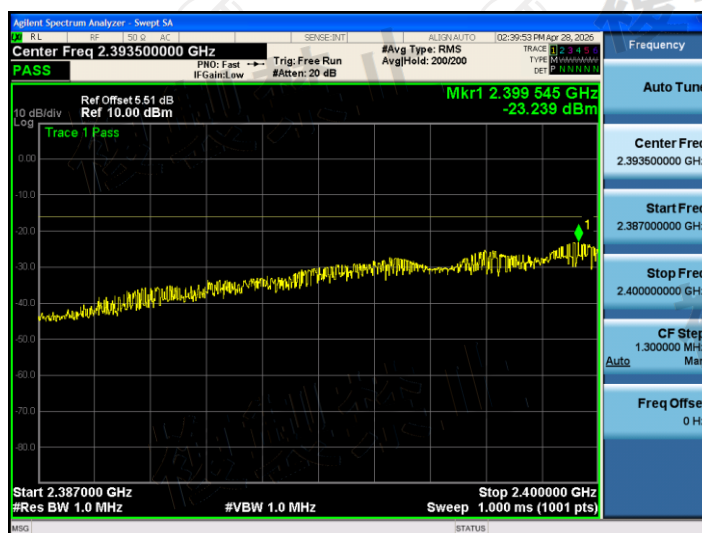
Lowest channel



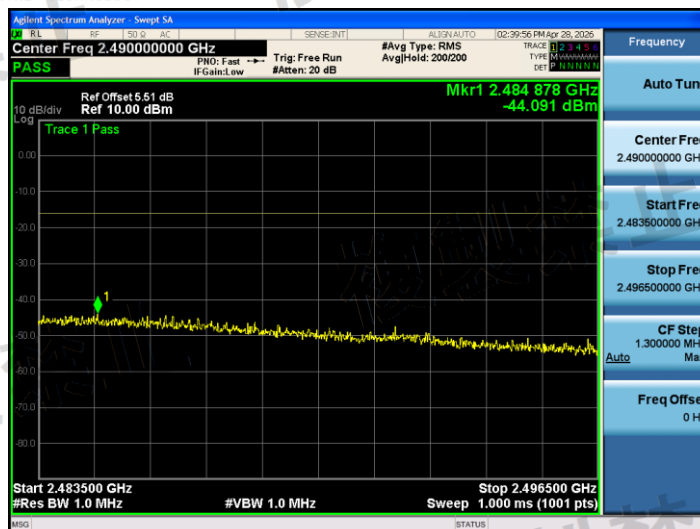
30 MHz – 1000 MHz



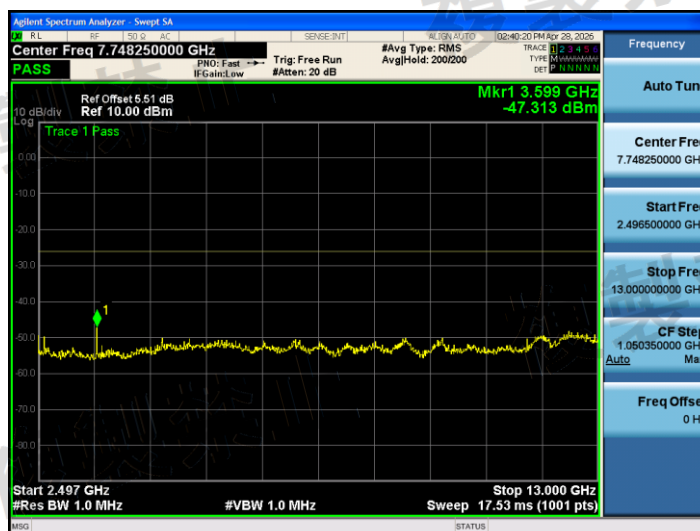
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

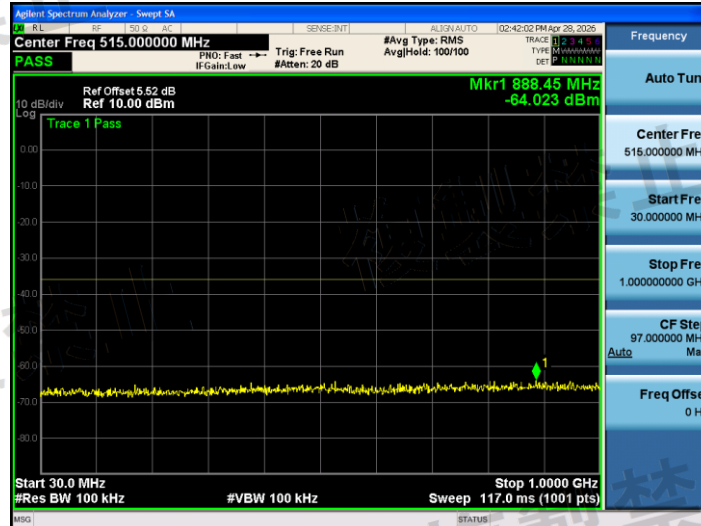


2483.5 MHz – 2496.5 MHz

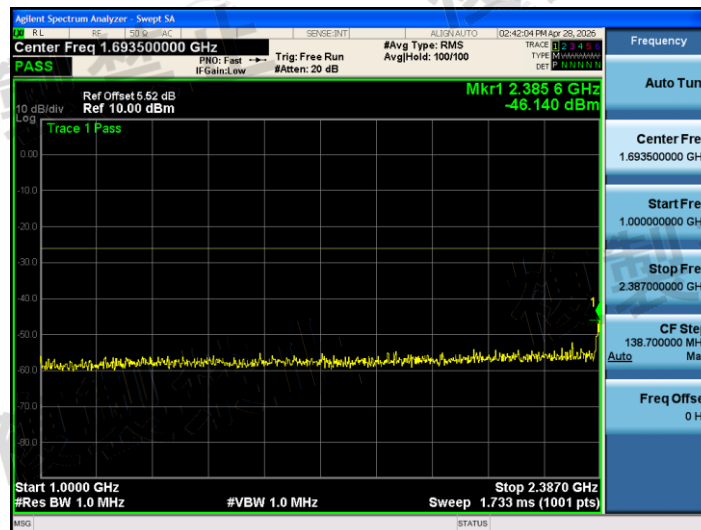


2496.5 MHz – 13000 MHz

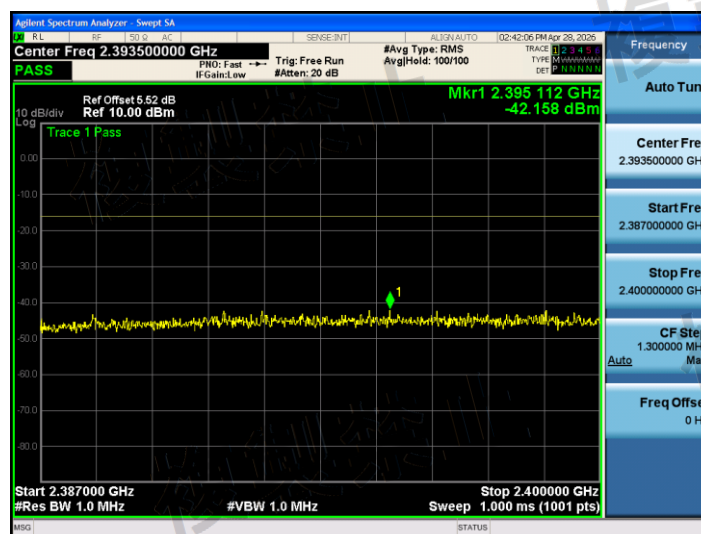
Middle channel



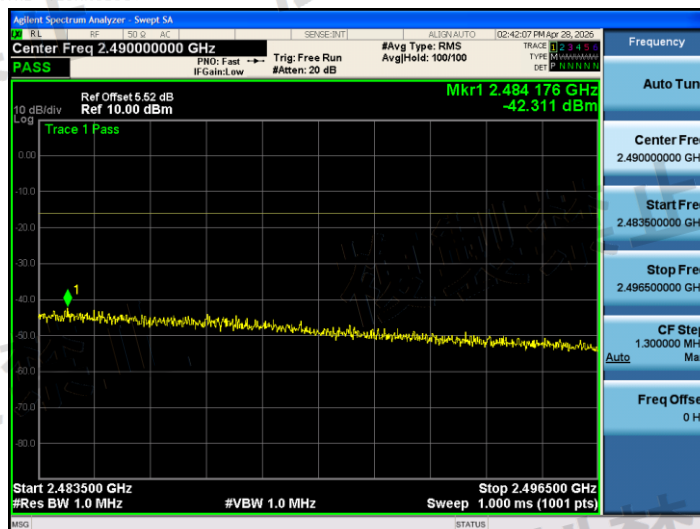
30 MHz – 1000 MHz



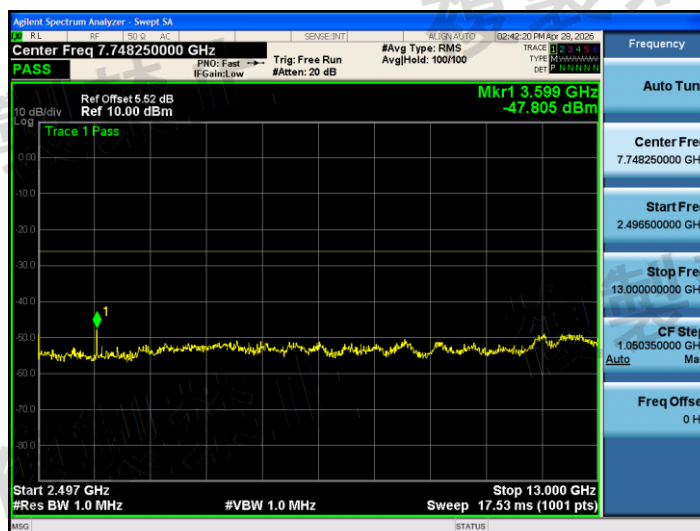
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

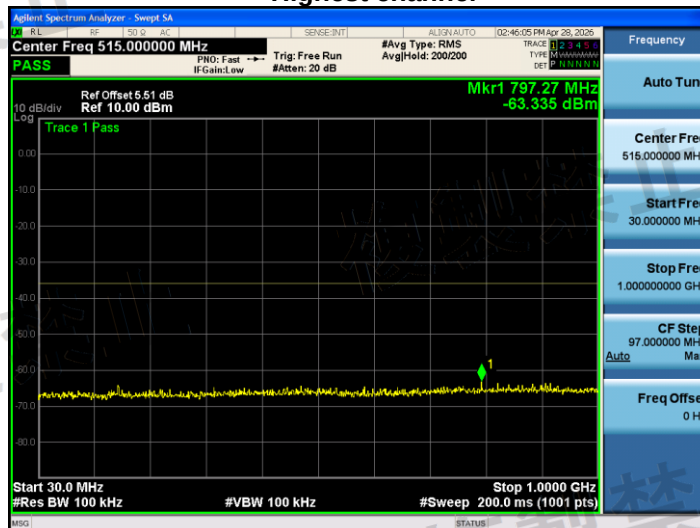


2483.5 MHz – 2496.5 MHz

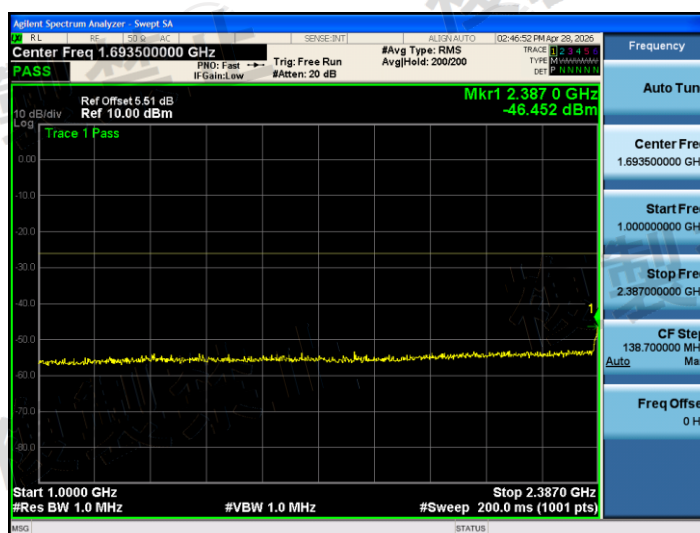


2496.5 MHz – 13000 MHz

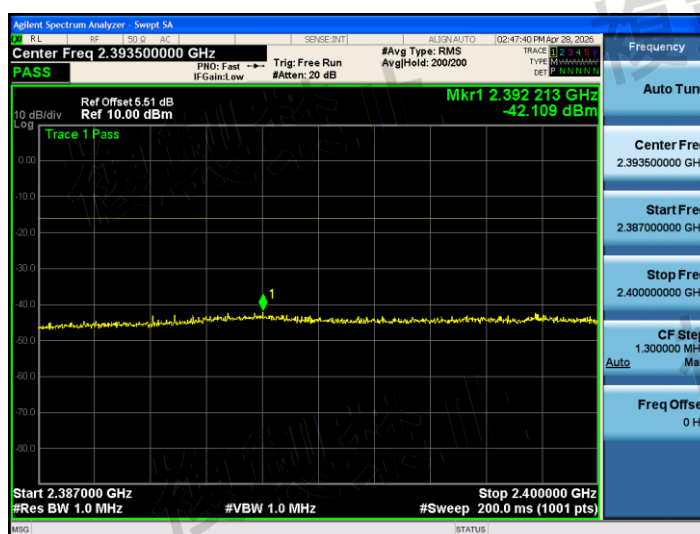
Highest channel



30 MHz – 1000 MHz



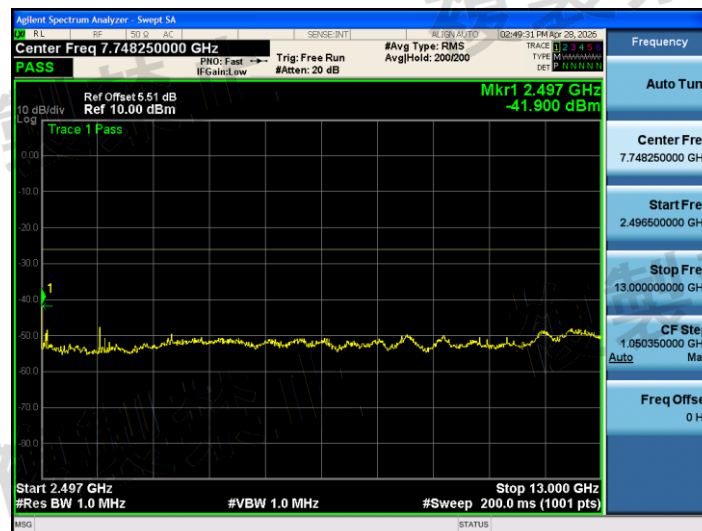
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

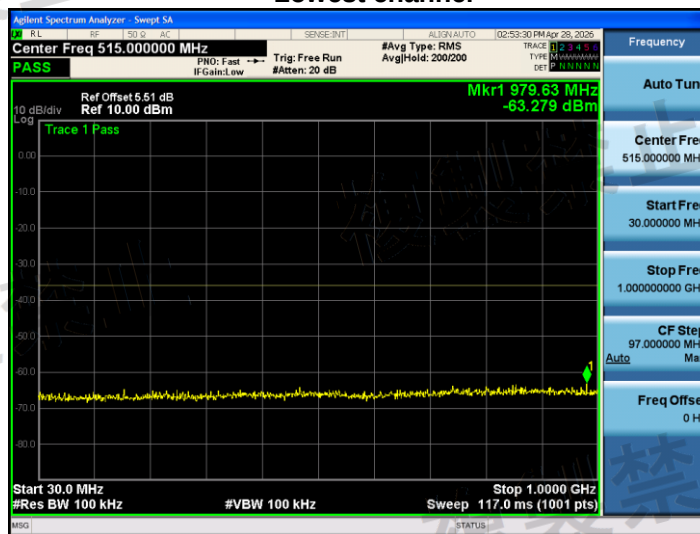


2483.5 MHz – 2496.5 MHz

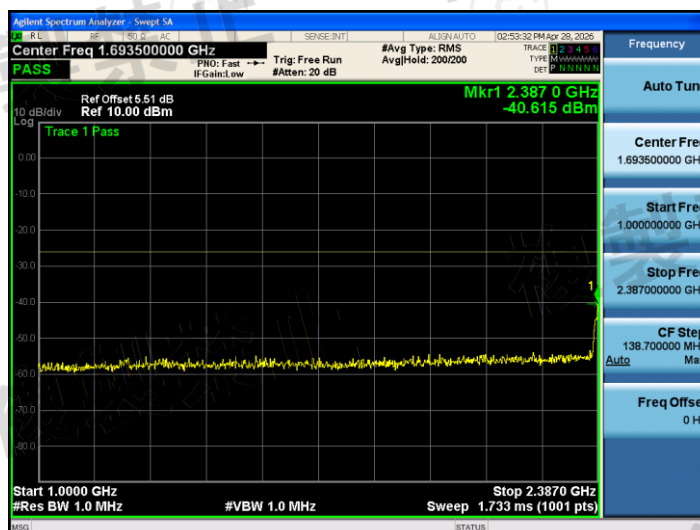


2496.5 MHz – 13000 MHz

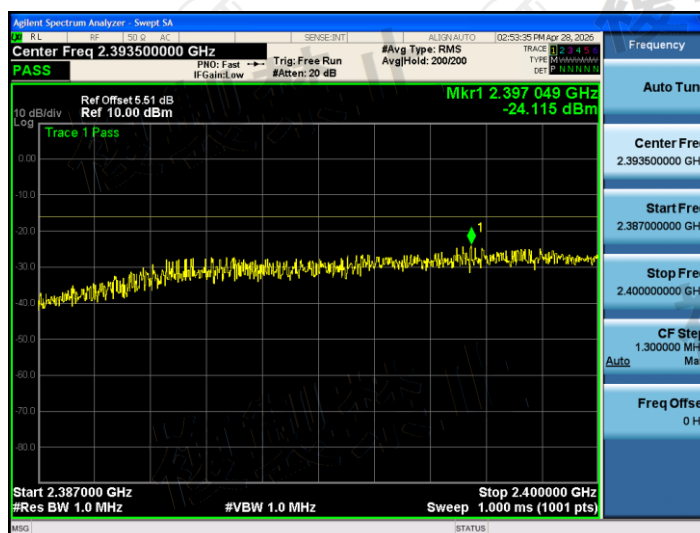
Lowest channel



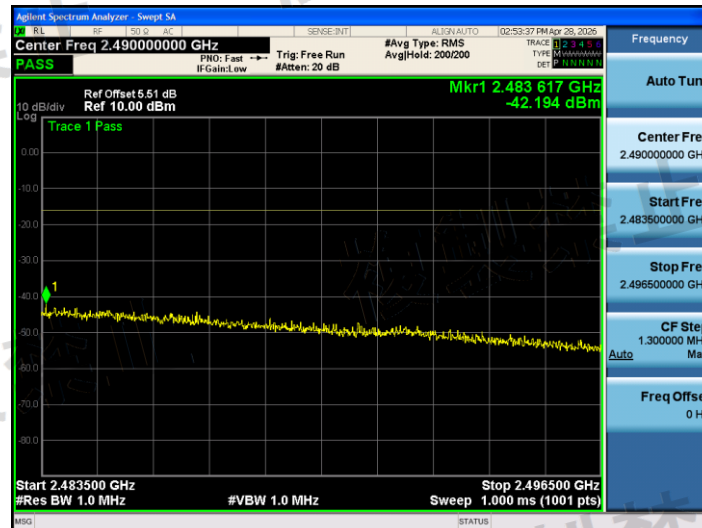
30 MHz – 1000 MHz



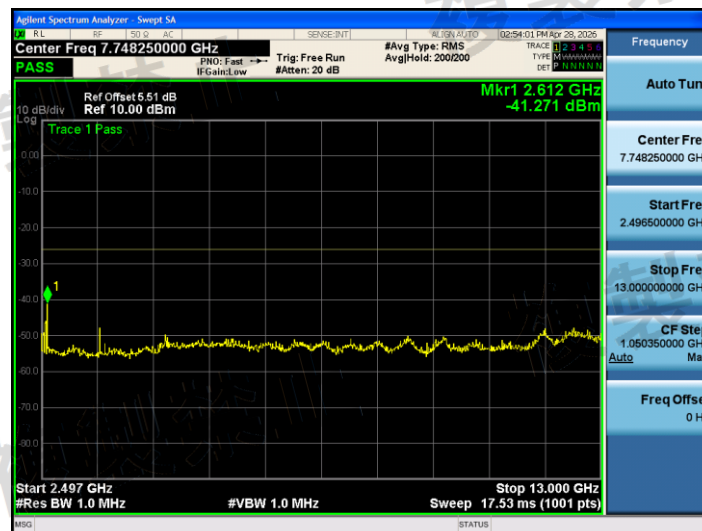
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

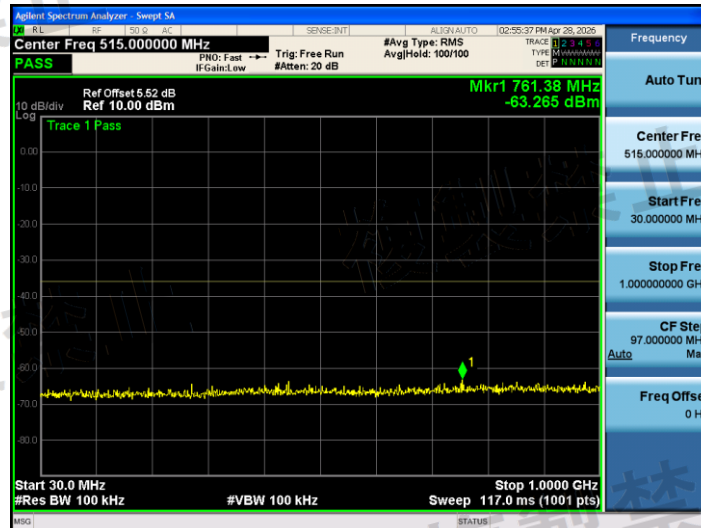


2483.5 MHz – 2496.5 MHz

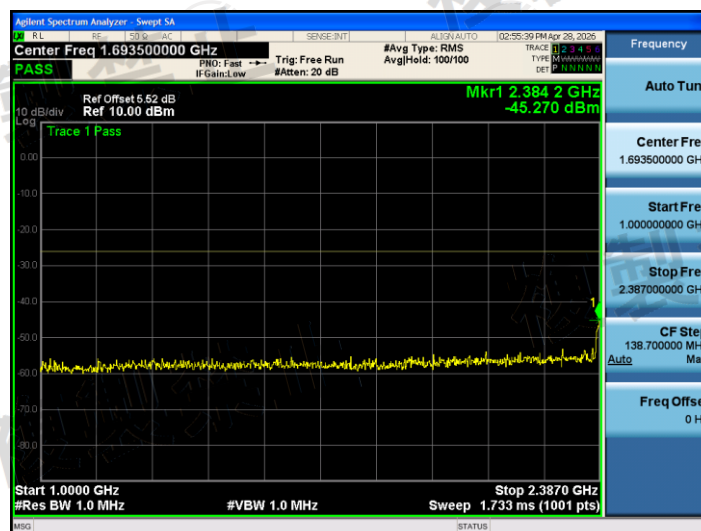


2496.5 MHz – 13000 MHz

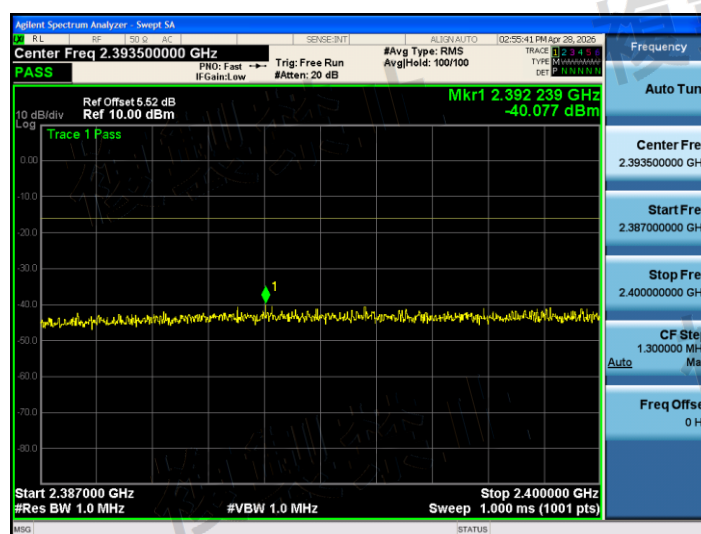
Middle channel



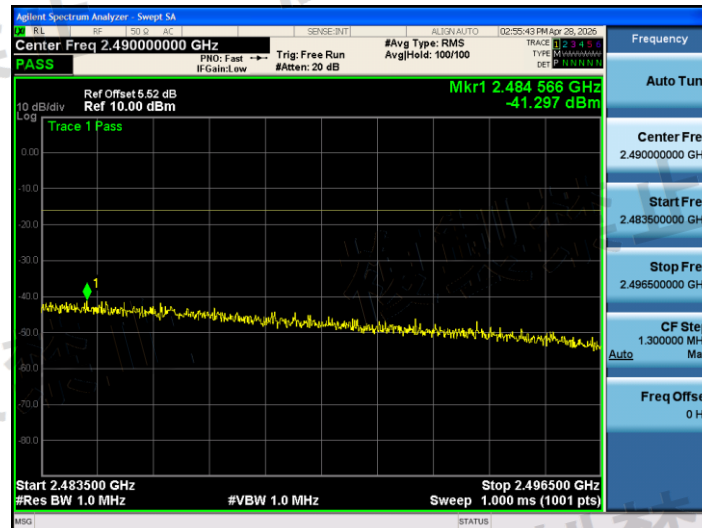
30 MHz – 1000 MHz



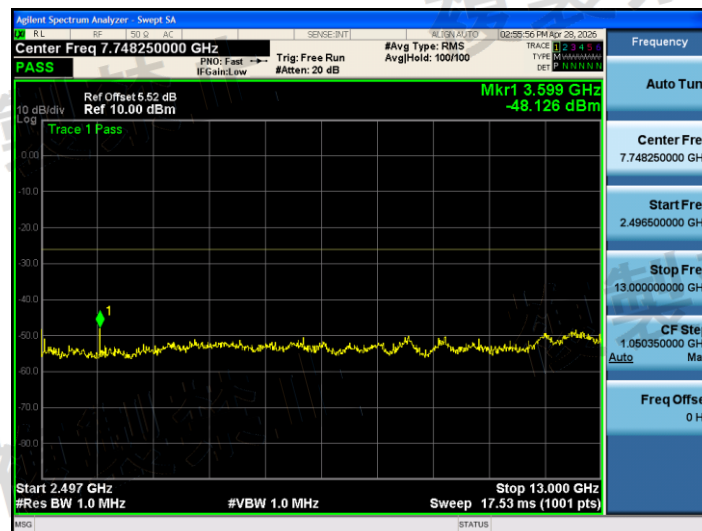
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz

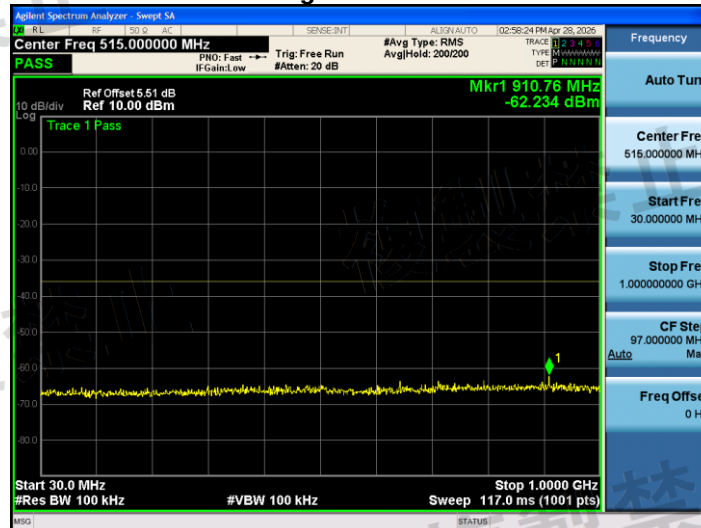


2483.5 MHz – 2496.5 MHz

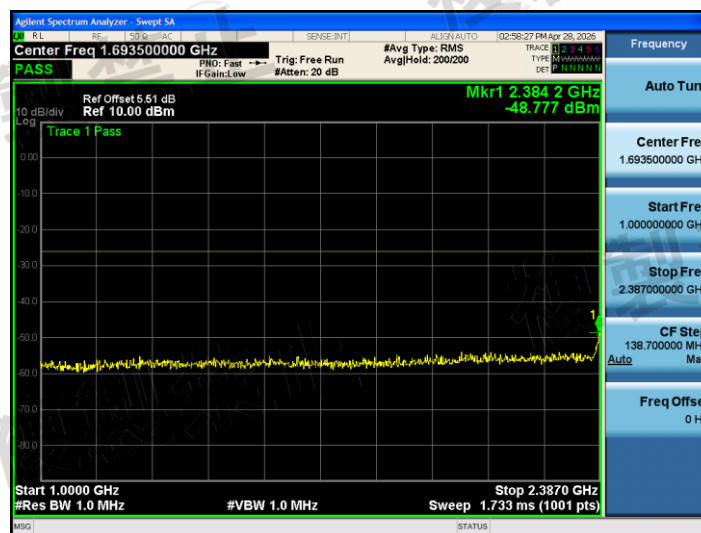


2496.5 MHz – 13000 MHz

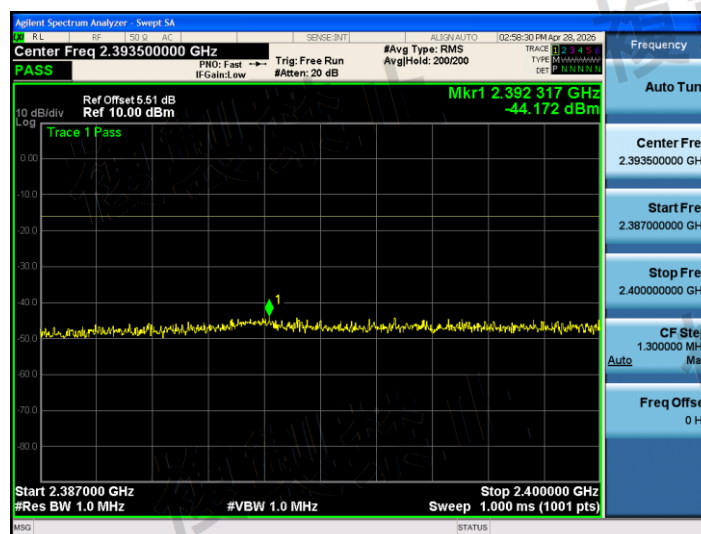
Highest channel



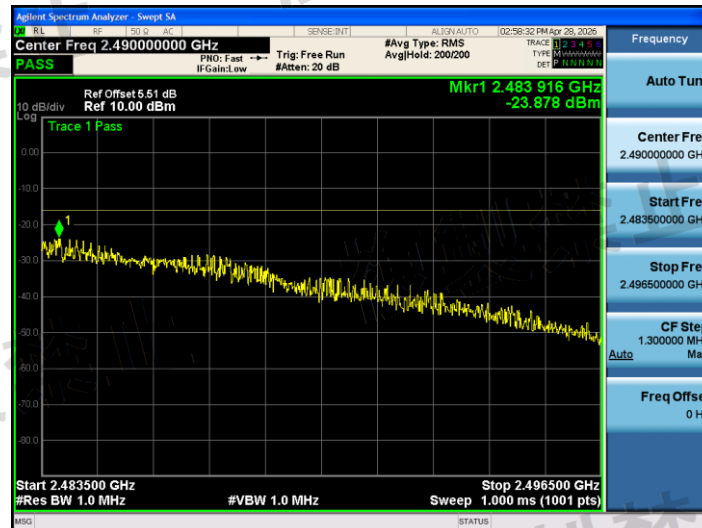
30 MHz – 1000 MHz



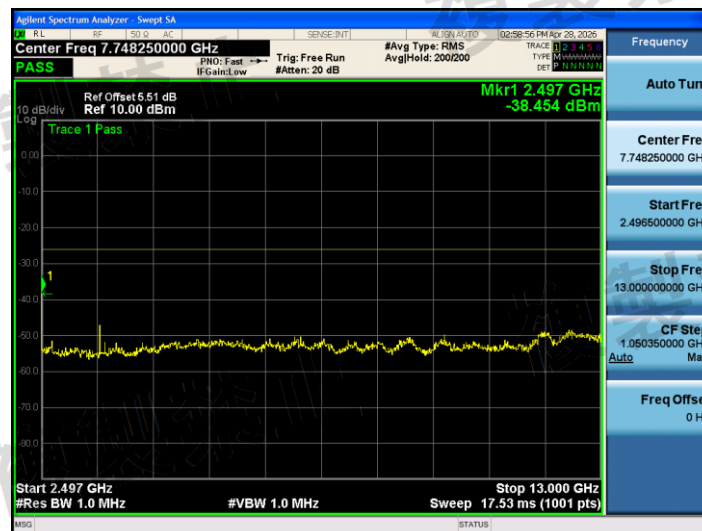
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz



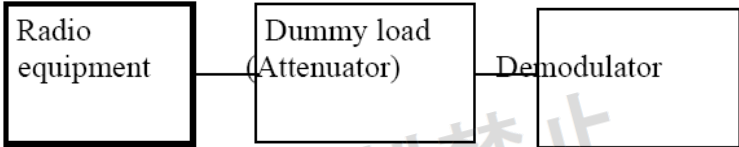
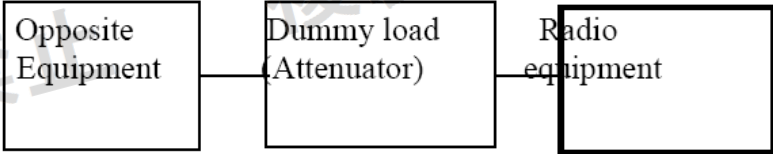
2483.5 MHz – 2496.5 MHz



2496.5 MHz – 13000 MHz

6.6. Interference suppression function

6.6.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 10
Operation Mode:	Usual operation condition.
Test setup:	(1) Transmission of identification code  <pre> graph LR A[Radio equipment] --- B["Dummy load (Attenuator)"] B --- C[Demodulator] </pre> (2) Reception of identification code  <pre> graph LR A[Opposite Equipment] --- B["Dummy load (Attenuator)"] B --- C[Radio equipment] </pre>
Test Procedure:	1 The radio equipment with automatic transmitting function of identification code - Transmit the assigned identification code from the radio equipment. - Confirm the identification code received by the demodulator. 2 The radio equipment with automatic receiving function of identification code - Transmit the assigned identification code from the opposite equipment. - Confirm that the usual communication is available. - Transmit the identification code distinct from the assigned one from the opposite equipment. - Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.
Test results:	GOOD, The device has the function of automatic transmission and reception of identification sign. The MAC address is 00:08:22:3a:22:fe.

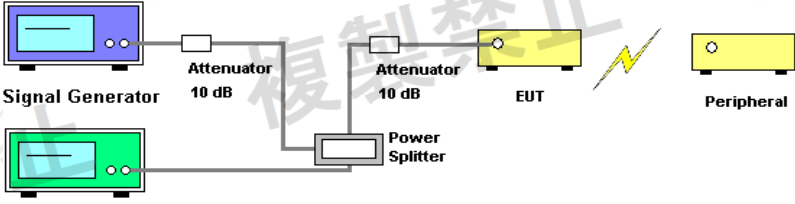
6.7. Number of Carrier

6.7.1. Test Specification

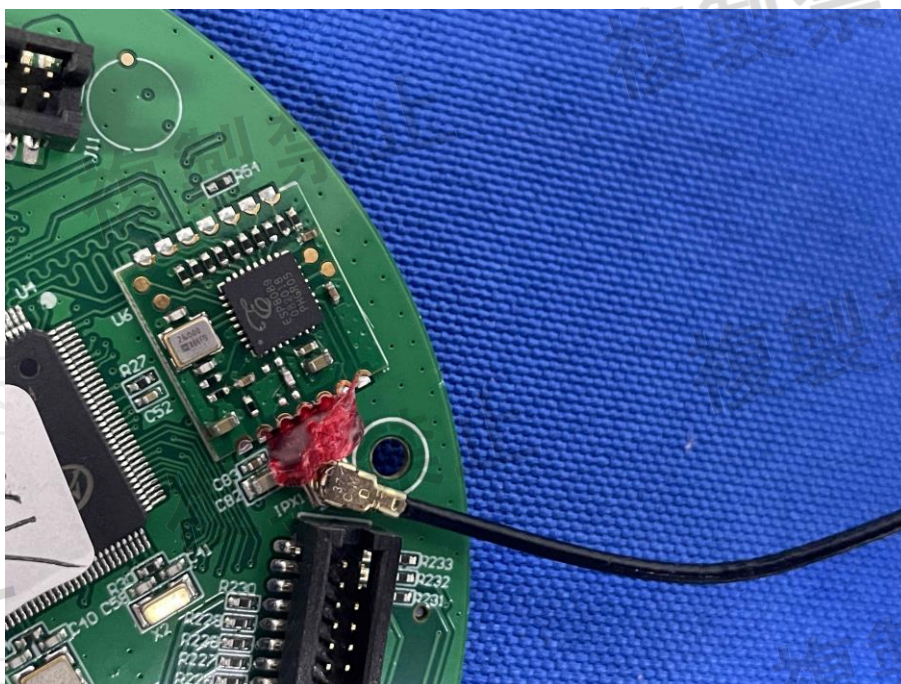
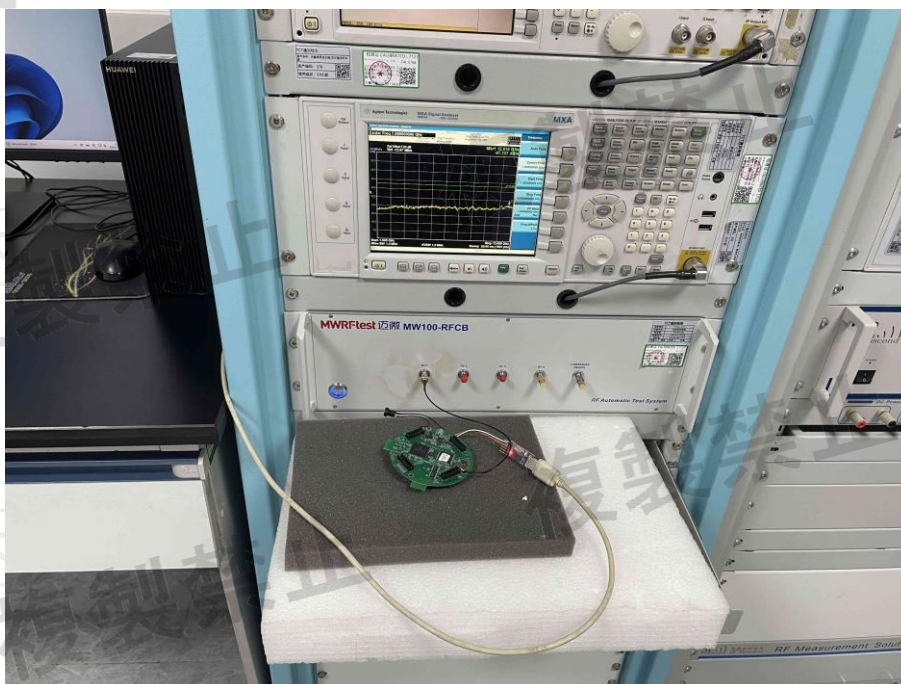
Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 11
Limit:	1 or more / MHz
Test Setup:	 The diagram illustrates the test setup. On the left is a green Spectrum Analyzer with a blue screen and two red indicator lights. A black cable connects it to a yellow rectangular box on the right, which is labeled 'EUT' (Equipment Under Test).
Test Procedure:	Setting of SA is following as: RBW:1 MHz / VBW: 3 MHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
Test Result:	This device has more than 1 subcarrier in 1MHz, compliances with the requirement.

6.8. Carrier sensing function

6.8.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Limit	Good – EUT stop RF transmission signal after carrier inject to EUT. (On $22.79 + Gr - 20 \cdot \log(f)$ [dBm] (Gr: dBi; f: MHz) or 100mV/m)
Operation Mode:	The EUT was programmed to be in normal transmitting mode.
Test setup:	 Signal Generator, Attenuator 10 dB, Power Splitter, Attenuator 10 dB, EUT, Peripheral, Spectrum Analyzer
Test Procedure:	- SSG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SSG and power level is (On $22.79 + Gr - 20 \cdot \log(f)$ [dBm] (Gr: dBi; f: MHz). Then turn off the function RF signal of SSG. - EUT have transmitted the maximum modulation signal and fixed channelize. - Setting of SA is following as: RB:1MHz / VB:1MHz / SPAN: 50MHz / AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak. - SSG RF Signal On. - EUT shall be stop the transmitted any signal and SSG RF Signal Off. Then EUT will be continuous transmitted signal.
Test results:	No, the bandwidth is less than 26MHz.

7. Photographs of Test Configuration



8. Photographs of EUT

Refer to the test report No. TCT260424E004

*******END OF REPORT*******