



TEST REPORT

Report Number..... : ZKT-2606090655E-2

Date of Test..... Jun. 09, 2026 to Jul. 22, 2026

Date of issue..... : Jul. 22, 2026

Total number of pages..... 108

Test Result : PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Shenzhen Linland Youpin Technology Co., Ltd

Address : 2F558, Area B, Gushu Huating, No. 38 Gushu 1st Road, Guxing Community, Xixiang Street, Bao' an District, Shenzhen

Manufacturer's name : Shenzhen Linland Youpin Technology Co., Ltd

Address : 2F558, Area B, Gushu Huating, No. 38 Gushu 1st Road, Guxing Community, Xixiang Street, Bao' an District, Shenzhen

Test specification:

Standard..... : Article 2 paragraph 1 of item 19

Standard..... : MIC Notice No.88 Annex 1

Standard..... : MIC Notice No.88 Annex 43

Test procedure..... : /

Non-standard test method : N/A

Test Report Form No..... : TRF-EL-151_V0

Test Report Form(s) Originator..... : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the Telec requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : Projector

Trademark : N/A

Model/Type reference..... : V5

V5-KTV V1,V2,V3,V4,V6,V7,V8,V9,U1,U2,U3,U4,U5,U6,U7,U8,
U9,P10,P20,P30,P40,P50,P60,P70.P80,P90,HCS350,HCS360,
HCS370,HCS380,HCS390,S10,S20,S30,S40,S50,S60,S70,S80,
S90,V1-V100

Ratings..... : Input: 100-240V ~ 50/60Hz

Ratings..... : Output: 12V---1.5A / 36V---1.5A



Testing procedure and testing location:

Testing Laboratory.....: Shenzhen ZKT Technology Co., Ltd.

**Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China**

Tested by (name + signature).....: Jim Liu

Jim Liu

Reviewer (name + signature).....: Jackson Fang

Jackson Fang

Approved (name + signature).....: Lake Xie





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1. VERSION

Report No.	Version	Description	Approved
ZKT-2606090655E-2	Rev.01	Initial issue of report	Jul. 22, 2026



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

NO.	Test Item	Test Requirement	Result
1	RF shielding method	MIC Notice No.88 Appendix No.43	Pass
2	Frequency Error	MIC Notice No.88 Appendix No.43	Pass
3	Antenna Power & EIRP Power	MIC Notice No.88 Appendix No.43	Pass
4	99% Occupied bandwidth	MIC Notice No.88 Appendix No.43	Pass
5	Spurious Emissions Intensity	MIC Notice No.88 Appendix No.43	Pass
6	Limit of secondary radiated emissions	MIC Notice No.88 Appendix No.43	Pass
7	Interference suppression	MIC Notice No.88 Appendix No.43	Pass
8	Transmission Antenna Gain	MIC Notice No.88 Appendix No.43	N/A*
9	Transmission Radiation Angle Width(3dB Beam width)	MIC Notice No.88 Appendix No.43	N/A*
10	CARRIER SENSE CAPABILITY	MIC Notice No.88 Appendix No.43	Pass

NOTE:

(1)" N/A" EIRP is less than 12.14dBm/MHz for 802.11b/g/n20/ax20, 9.13dBm/MHz for 802.11n40/ax40



2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street,
Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491
Designation Number: CN1431
IC Registered No.: 27033
CAB identifier: CN0110
China Registered No.: CNAS L11527

2.2 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	Uncertainty
1	Conducted Emission Test	$\pm 3.2\text{dB}$
2	Radiated Emission Test	$\pm 4.7\text{dB}$
3	RF power conducted	$\pm 0.16\text{dB}$
4	Spurious emissions conducted	$\pm 0.21\text{dB}$
5	All emissions radiated(<1G)	$\pm 4.68\text{dB}$
6	All emissions radiated(>1G)	$\pm 5.0\text{dB}$
7	frequency error ppm	$\pm 0.5\text{ppm}$
8	RF Occupied Bandwidth	$U=1.8\text{KHz}$
9	Time	$U=1\text{ms}$



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Designation	Projector
Model Name	V5 V5-KTV,V1,V2,V3,V4,V6,V7,V8,V9,U1,U2,U3,U4,U5,U6,U7,U8,U9,P10,P20, P30,P40,P50,P60,P70,P80,P90,HCS350,HCS360,HCS370,HCS380, HCS390,S10,S20,S30,S40,S50,S60,S70,S80,S90,V1-V100
Model Difference:	See the Model Difference letter
Hardware Version:	H1.0
Software Version:	S1.0
Modulation Type	802.11b: DSSS 802.11g / n: DSSS, OFDM 802.11ax: OFDMA
Operation Frequency	2412~2472 MHz for 802.11b/g/n(HT20)/ax(HE20) 2422~2462 MHz for 802.11n(HT40)/ax(HE40)
Channel No.	13 Channels for 802.11b/g/n(HT20)/ax(HE20) 9 Channels for 802.11n(HT40)/ax(HE40)
Channel space	5MHz
Rated power:	802.11b, Max 5mW/MHz 802.11g, Max 4.5mW/MHz 802.11n20, Max 4.5mW/MHz 802.11n40, Max 4.5mW/MHz 802.11ax20, Max 4.5mW/MHz 802.11ax40, Max 4.5mW/MHz
Antenna Specification:	PCB antenna
Antenna Gain:	0.9dBi
Power supply:	Input: 100-240V ~ 50/60Hz Output: 12V ---1.5A / 36V ---1.5A
.Note1: 802.11ax Full RU is supported only.	



Channel List for 802.11b/802.11g/802.11n20/802.11ax20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452	13	2472
02	2417	06	2437	10	2457		
03	2422	07	2442	11	2462		
04	2427	08	2447	12	2467		

Channel List for 802.11n40/802.11ax40							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	04	2427	05	2432	06	2437
07	2442	08	2447	09	2452	10	2457
11	2462						

3.2 Description of test modes

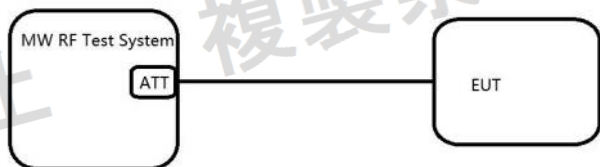
Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.		
The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all Modes to determine worst case levels. test software RTL_tool used for controlling the EUT.		
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of DSSS and OFDM.		
Test Software: CMD		
Test Mode	Power Level	
802.11b	Default	
802.11g	Default	
802.11n20	Default	
802.11n40	Default	
802.11ax20	Default	
802.11ax40	Default	



3.3 TEST CONDITIONS

Supply Voltage				
	Input Voltage (VDC)		Voltage at the input of the RF Circuit (Vdc)	Tolerance (%)
Normal	100	Normal	3.3	
+10%	110	+1%	3.3	0
-10%	90	-1%	3.3	0
Others				
Temperature (°C)		20-25		
Relative humidity		51%.		
ATM Pressure:		1019 mbar		
Note 1: When the input voltage is reduced or increased by 10%, the regulator voltage changes of less than 1%.So the following test items are conducted in the normal voltage.				

3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Projector	N/A	V5	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.



3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Calibration company:Guangzhou LiSai Metrology & Test Co.,Ltd.

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until	Cal. Method
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2025	Sep. 19, 2026	c
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2025	Sep. 19, 2026	c
3	Test Cable	N/A	RF-01	N/A	N/A	May 25, 2026	May 24, 2027	c
4	Test Cable	N/A	RF-02	N/A	N/A	May 25, 2026	May 24, 2027	c
5	Test Cable	N/A	RF-03	N/A	N/A	May 25, 2026	May 24, 2027	c
6	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Sep. 19, 2025	Sep. 18, 2026	c
7	Signal Generator	Agilent	N5182A	N/A	A.01.87	Sep. 20, 2025	Sep. 19, 2026	c
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344/M-1752	N/A	Sep. 25, 2025	Sep. 24, 2026	c
9	Van der Hoofden measuring head	Schwarzbeck Mess-elektronik	VDHH 9502	9502-039	N/A	Sep. 30, 2025	Sep. 29, 2026	c
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 28, 2025	Sep. 27, 2026	c
11	MWRF Power Meter Test system	MW	MW100-RFC B	N/A	N/A	Sep. 19, 2025	Sep. 18, 2026	c
12	Power Meter	KEYSIGHT	N1912AP	926431	A.05.00	Sep. 29, 2025	Sep. 28, 2026	c
13	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	N/A	Sep. 29, 2025	Sep. 28, 2026	c
14	Attenuators	XINQY	XQY-SMAJK S-12-2W	N/A	N/A	Sep. 29, 2025	Sep. 28, 2026	c
15	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\	

Note: Calibration method: Section c of the calibration method under Article 24-2, Paragraph 4, Item 2 of the Radio Law

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

All the equipments for Guangzhou LiSai Metrology & Test Co.,Ltd.



4. RF SHIELDING METHOD

We apply the product for Japan RF certification. The RF circuit adopts SMD components. The product plastic casing serves as the shielding structure for the internal module. The outer shell of the EUT is assembled and sealed via snap-fit buckles, which is not easy to disassemble. Any attempt by the user to pry open or take apart the housing will easily cause damage to the equipment. Please refer to the attached photos for detailed information.





5.TEST RESULTS

5.1 FREQUENCY ERROR

5.1.1 LIMIT

Item	Limits
Frequency Error	±50ppm

5.1.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

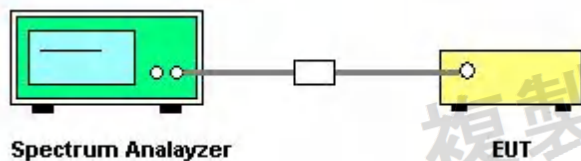
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3 TEST PROCEDURES

- (1)In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.
- (2)In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
- (3)In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
- (4)In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

5.1.4 TEST SETUP LAYOUT



5.1.5 EUT OPERATION DURING TEST

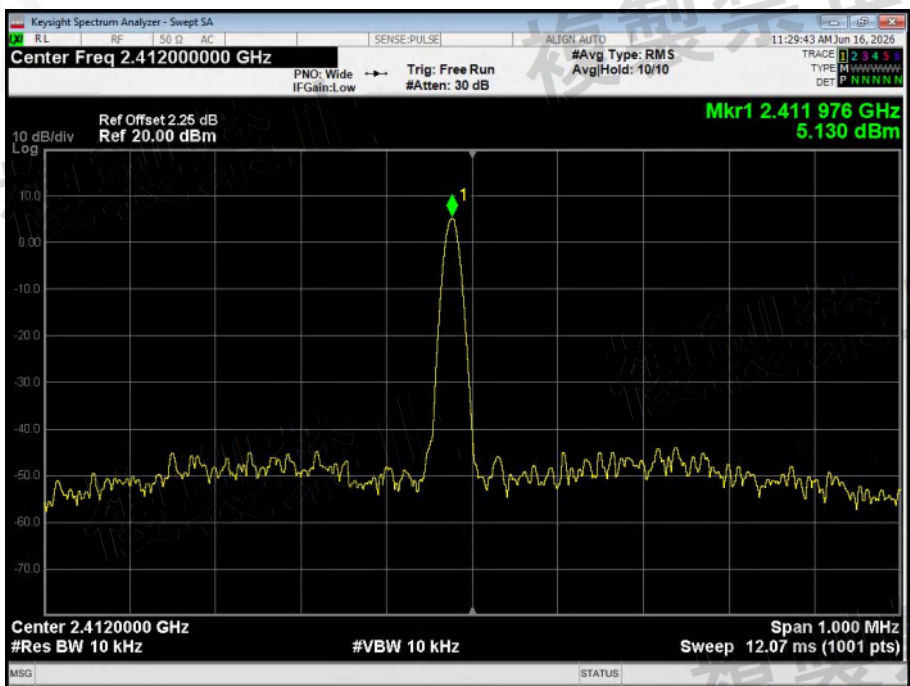
The EUT was placed on the test table and programmed in un-modulation function.



5.1.6 RESULTS OF FREQUENCY ERROR

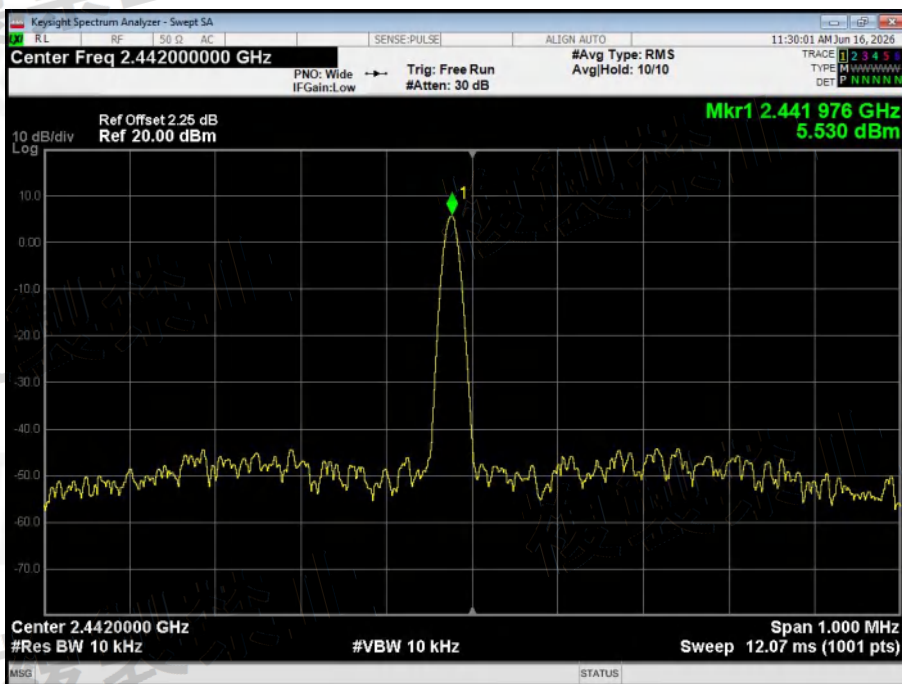
Test mode	Test voltage	Frequency (MHz)	Read (MHz)	Tolerance (ppm)	Limit (ppm)	Result
Un-modulation mode	Normal	2412	2411.976	-9.95	±50.00	Pass
		2442	2441.976	-9.83		
		2472	2471.975	-10.11		
		2422	2421.975	-10.32		
		2462	2461.975	-10.15		

CH01 - 2412MHz

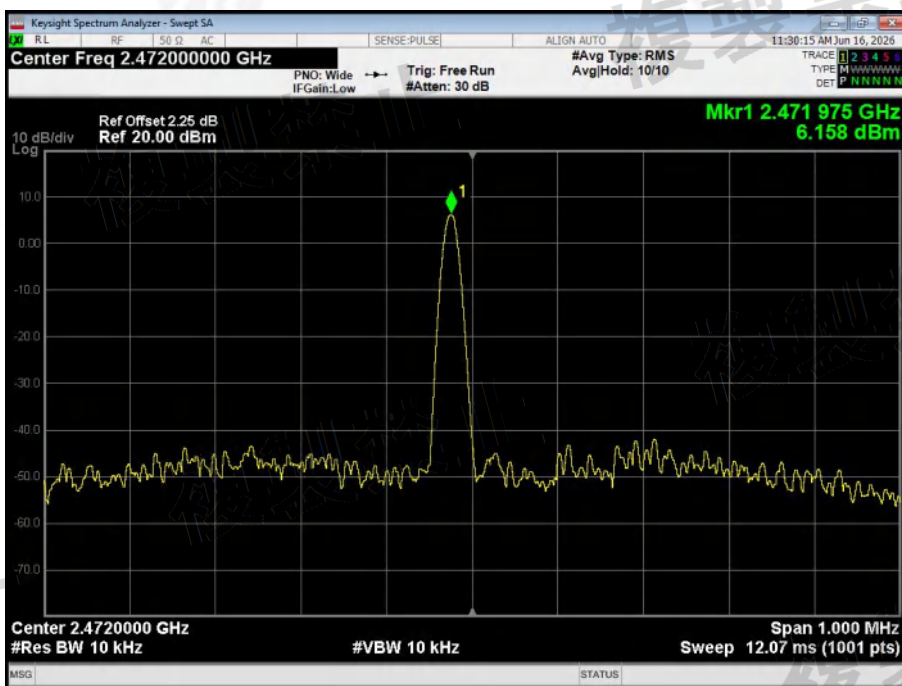




CH07 - 2442MHz

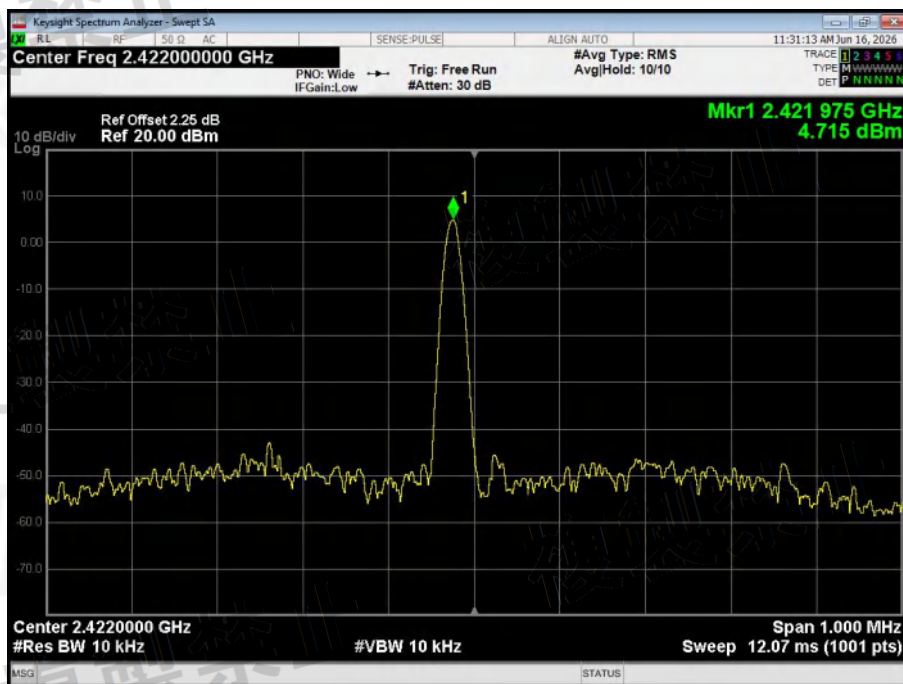


CH13 - 2472MHz

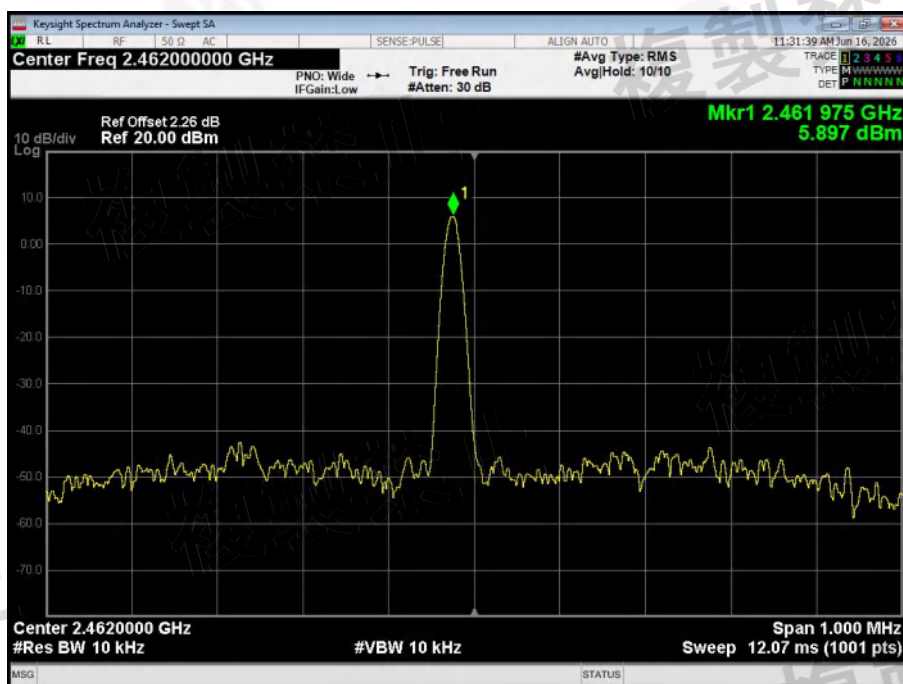




CH03 - 2422MHz



CH11 - 2462MHz





5.2 99% OCCUPIED BANDWIDTH

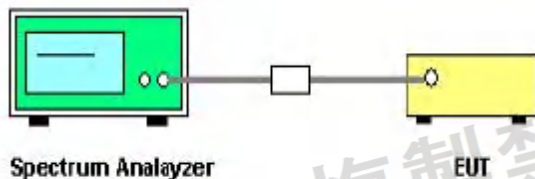
5.2.1 LIMIT

Item	Limits
Occupied Band Width:	802.11b,g,n(HT20): 26MHz or less
Spreading Bandwidth:	/
Spread Factor	/

5.2.2 TEST PROCEDURES

1. Setting of SA is following as: RB: 300kHz / VB:300kHz / SPAN: 40MHz / AT: 30dB Ref: 22.25dBm / 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) or continuous maximum power of hopping mode(For FHSS Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26MHz (For DSSS or OFDM Device) or 83.5MHz (For FHSS Device).

5.2.3 TEST SETUP LAYOUT



5.2.4 TEST DEVIATION

There is no deviation with the original standard.

5.2.5 EUT OPERATION DURING TEST

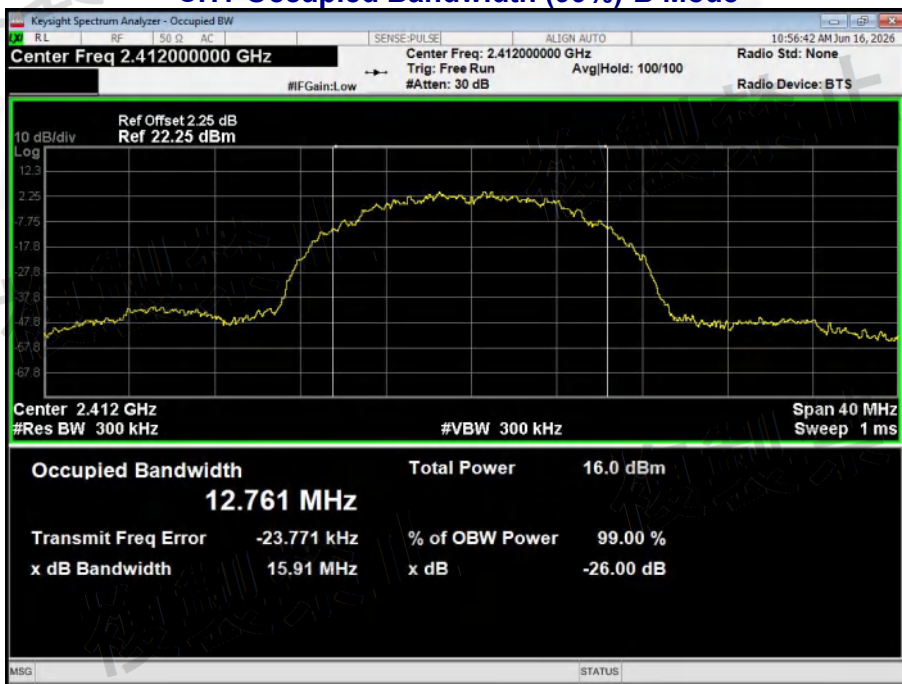
The EUT was programmed to be in continuously transmitting mode.



5.2.6 TEST RESULT

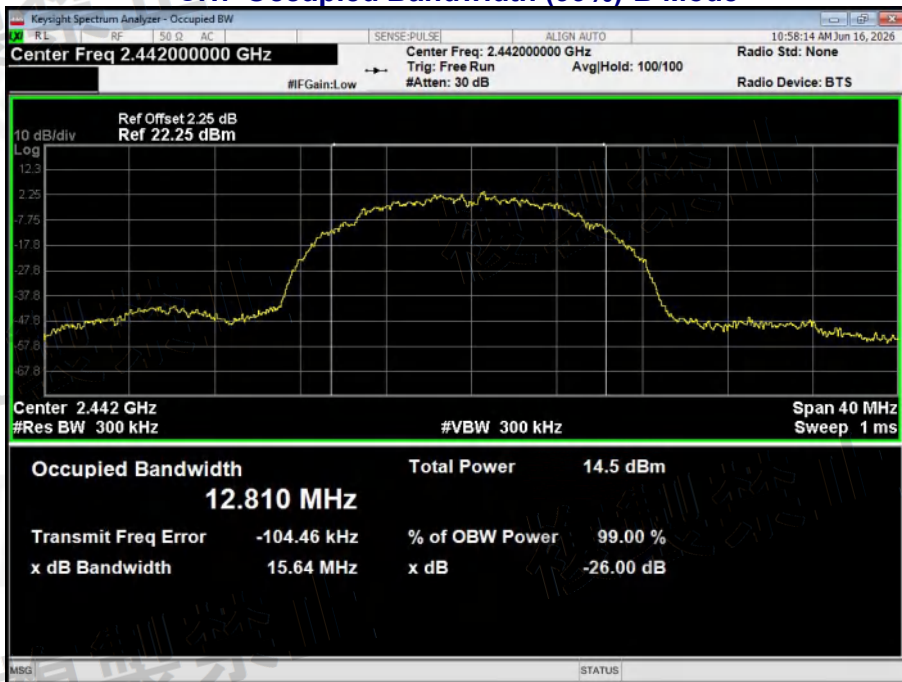
Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2412	12.761	≤26	Pass
	2442	12.810	≤26	Pass
	2472	12.787	≤26	Pass

CH1-Occupied Bandwidth (99%)-B Mode

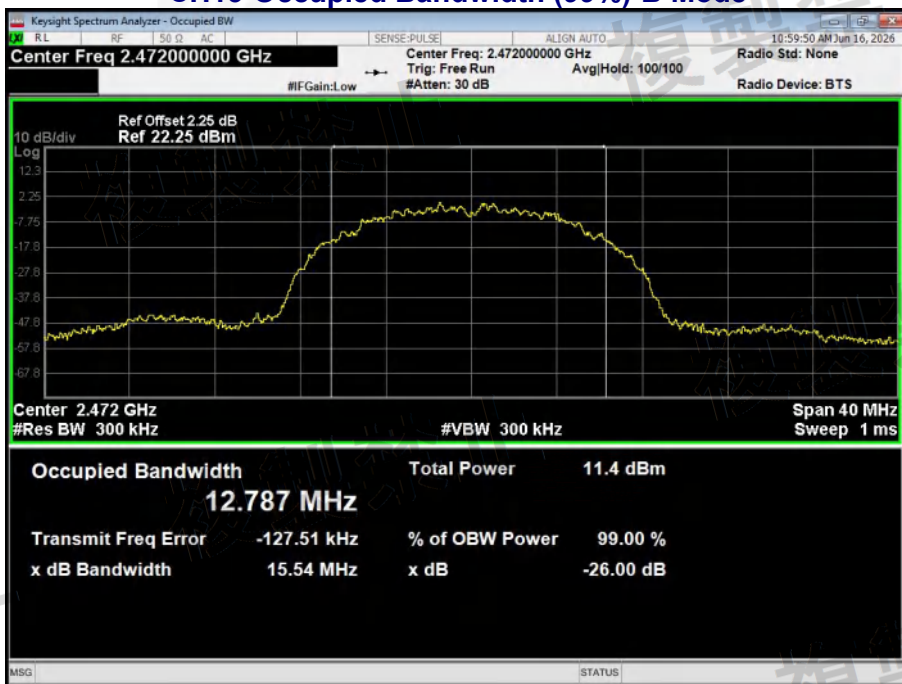




CH7-Occupied Bandwidth (99%)-B Mode



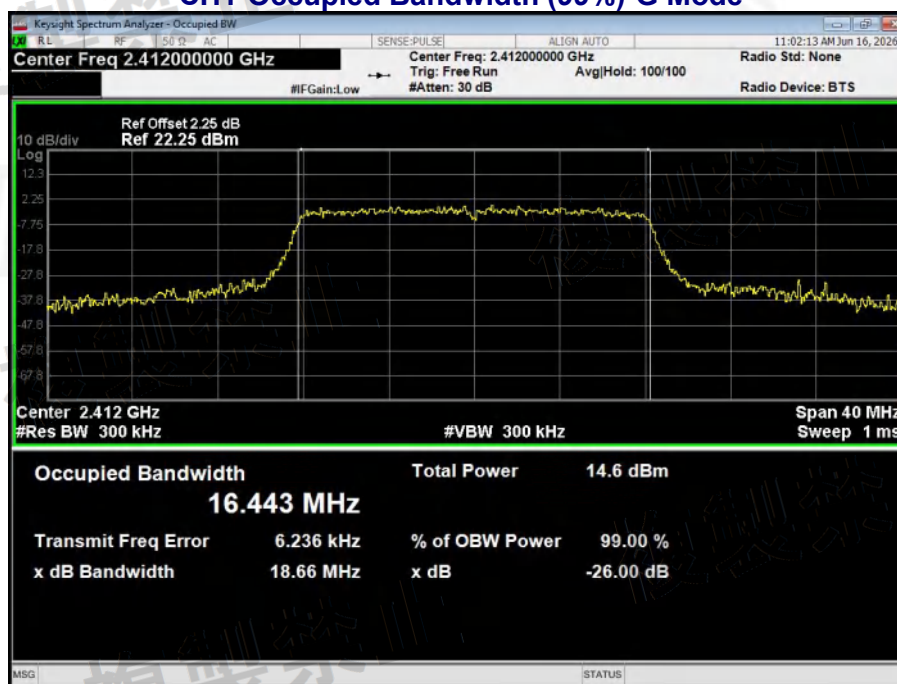
CH13-Occupied Bandwidth (99%)-B Mode



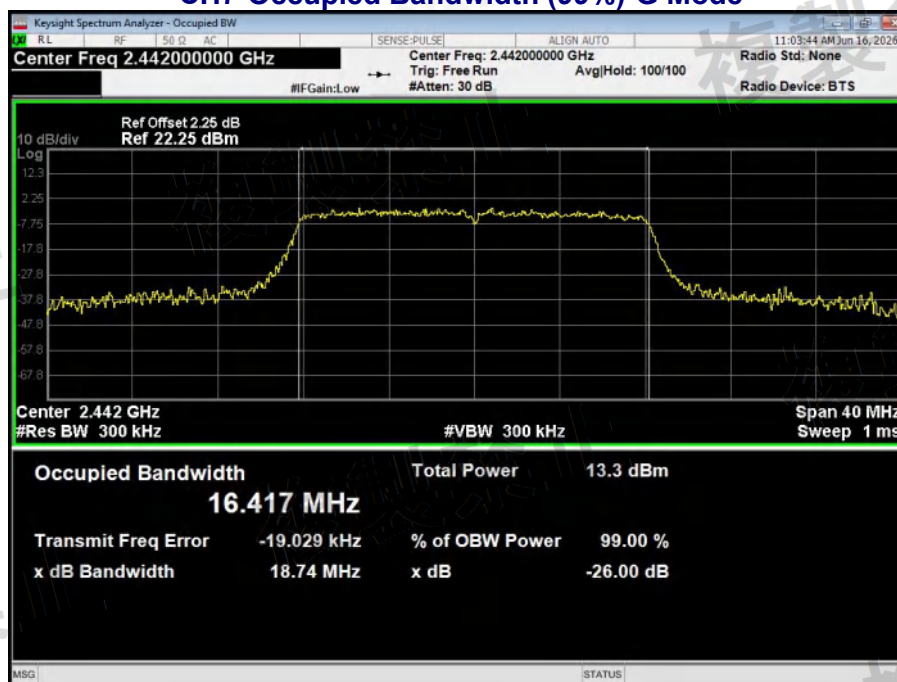


Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2412	16.443	≤26	Pass
	2442	16.417	≤26	Pass
	2472	16.449	≤26	Pass

CH1-Occupied Bandwidth (99%)-G Mode

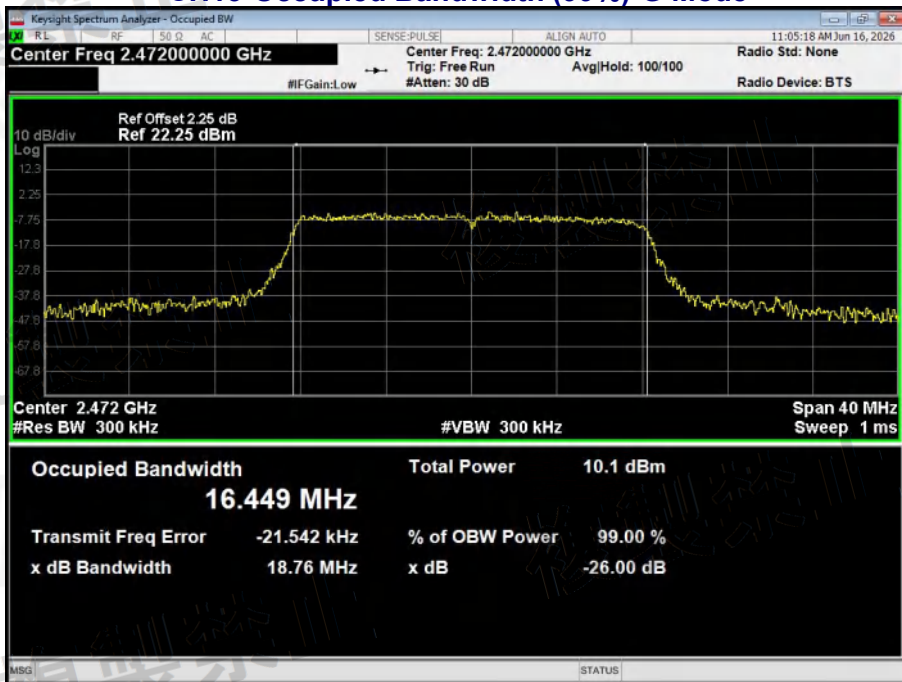


CH7-Occupied Bandwidth (99%)-G Mode





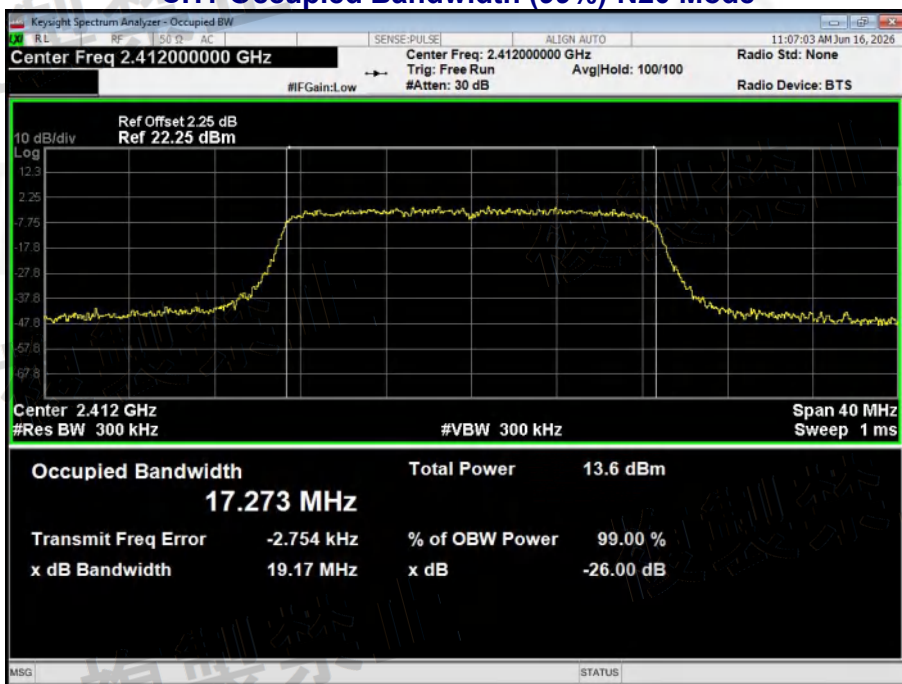
CH13-Occupied Bandwidth (99%)-G Mode





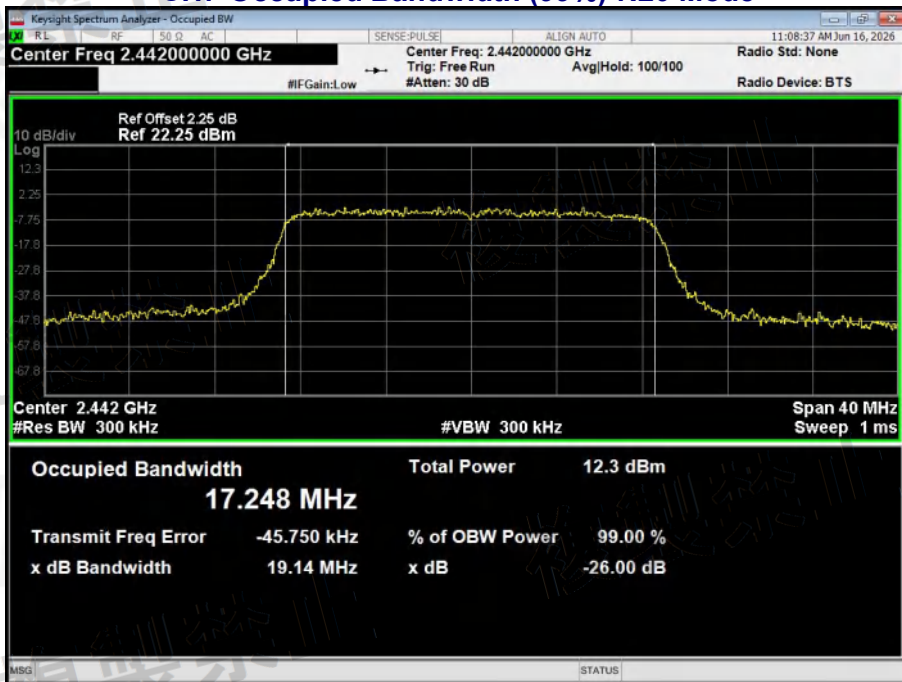
Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2412	17.273	≤26	Pass
	2442	17.248	≤26	Pass
	2472	17.248	≤26	Pass

CH1-Occupied Bandwidth (99%)-N20 Mode

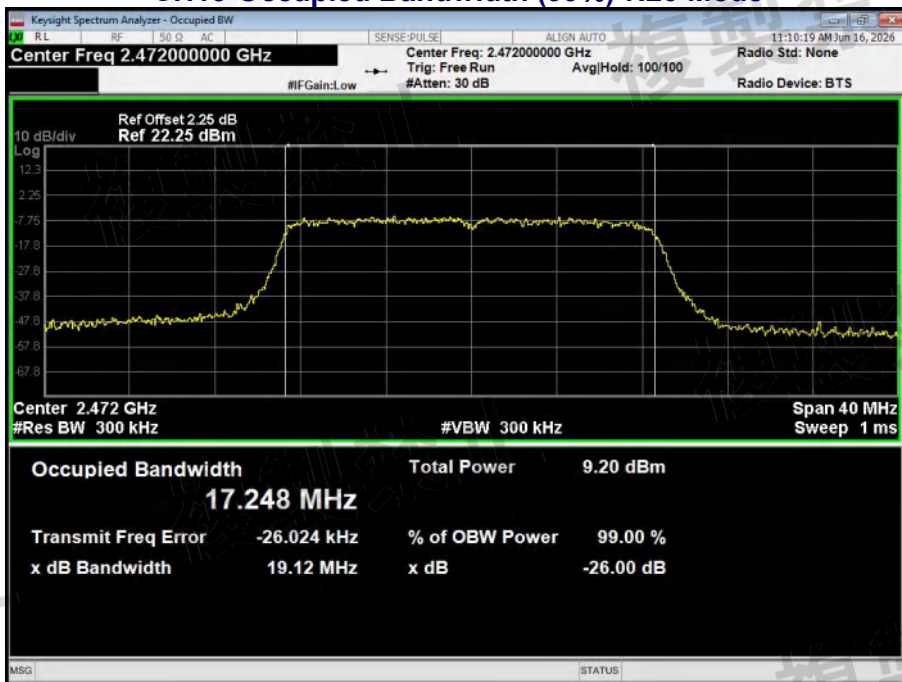




CH7-Occupied Bandwidth (99%)-N20 Mode



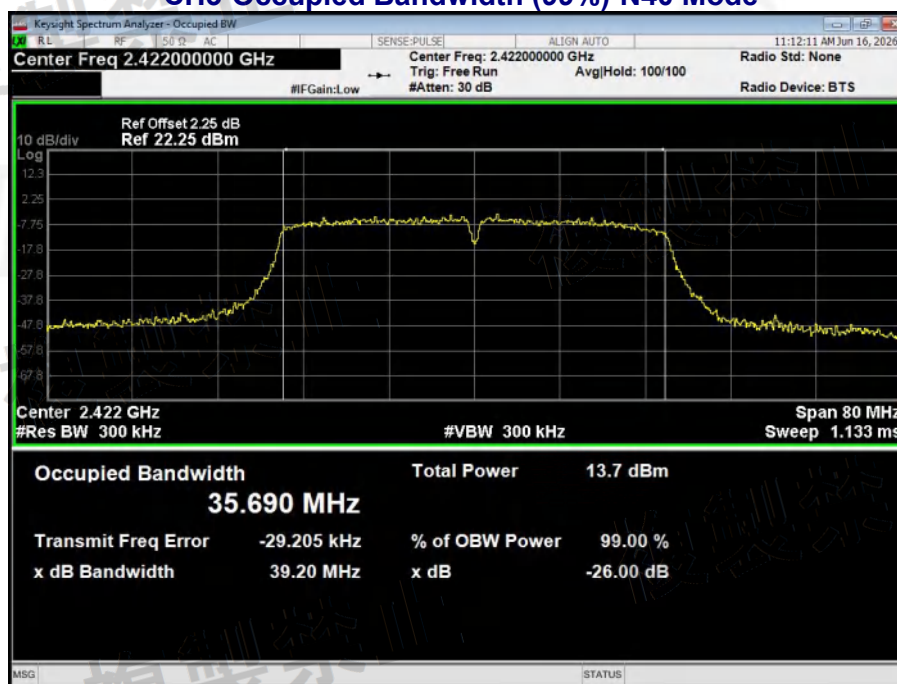
CH13-Occupied Bandwidth (99%)-N20 Mode



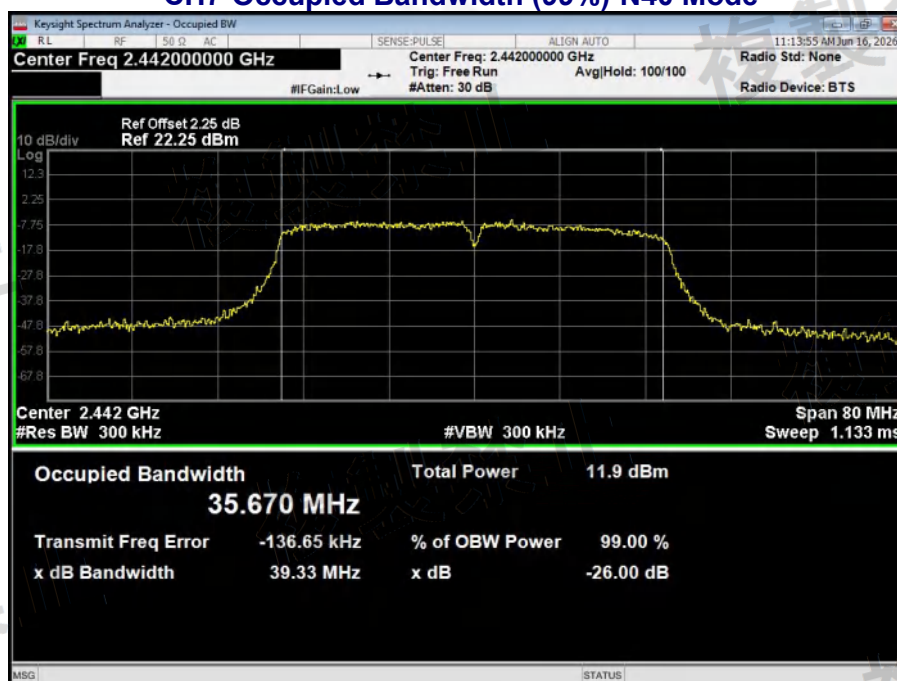


Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2422	35.690	26 to 40	Pass
	2442	35.670	26 to 40	Pass
	2462	35.779	26 to 40	Pass

CH3-Occupied Bandwidth (99%)-N40 Mode

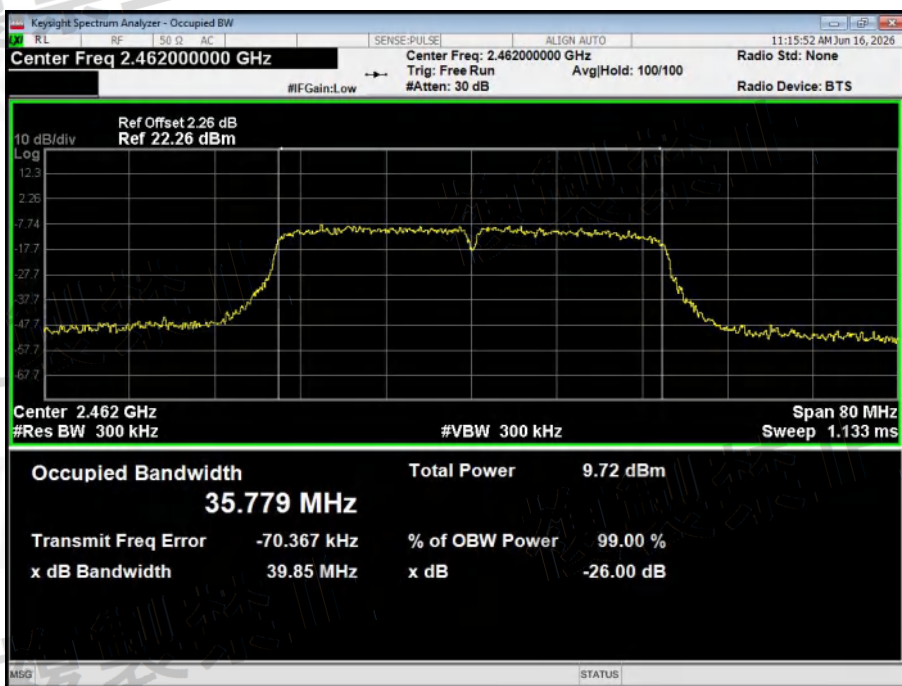


CH7-Occupied Bandwidth (99%)-N40 Mode





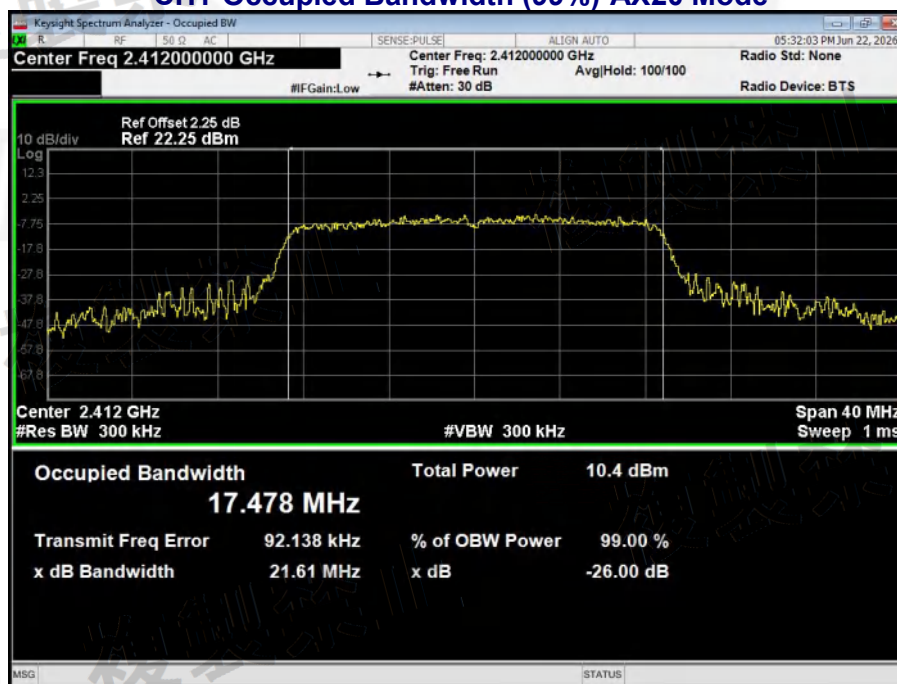
CH11-Occupied Bandwidth (99%)-N40 Mode





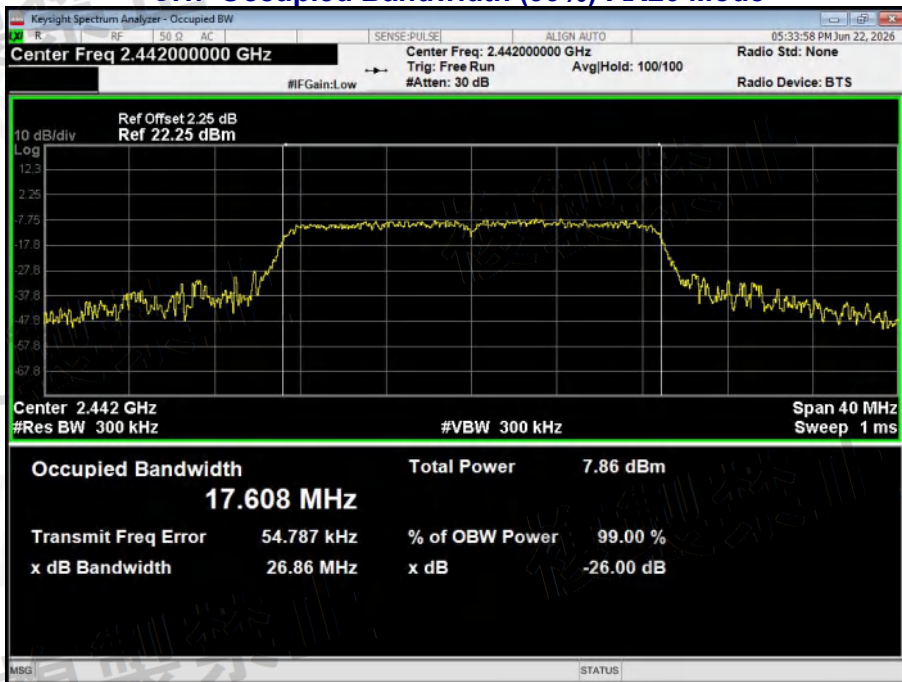
Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2412	17.478	≤26	Pass
	2442	17.608	≤26	Pass
	2472	17.672	≤26	Pass

CH1-Occupied Bandwidth (99%)-AX20 Mode

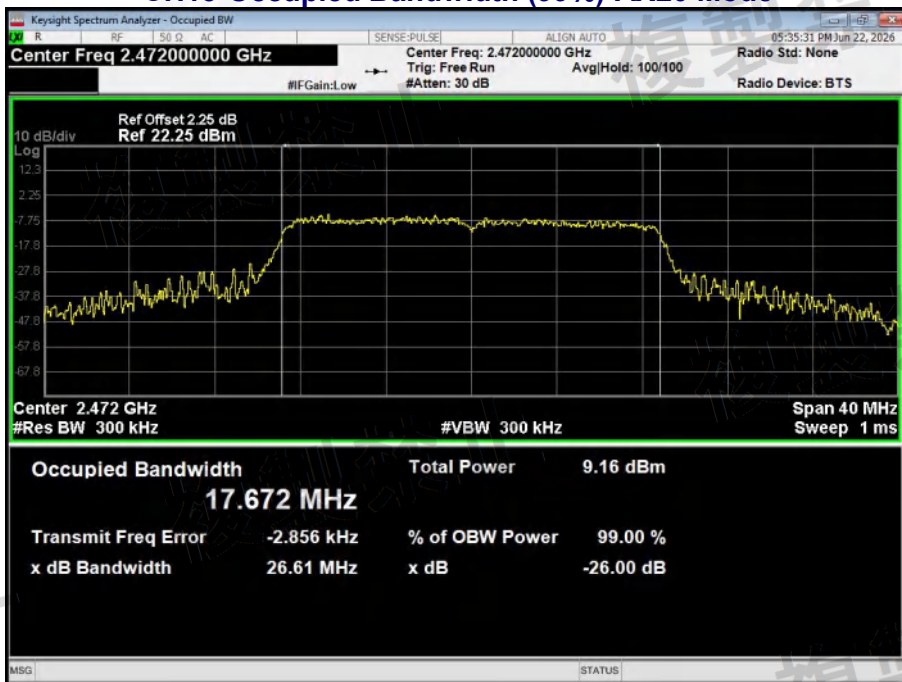




CH7-Occupied Bandwidth (99%)-AX20 Mode



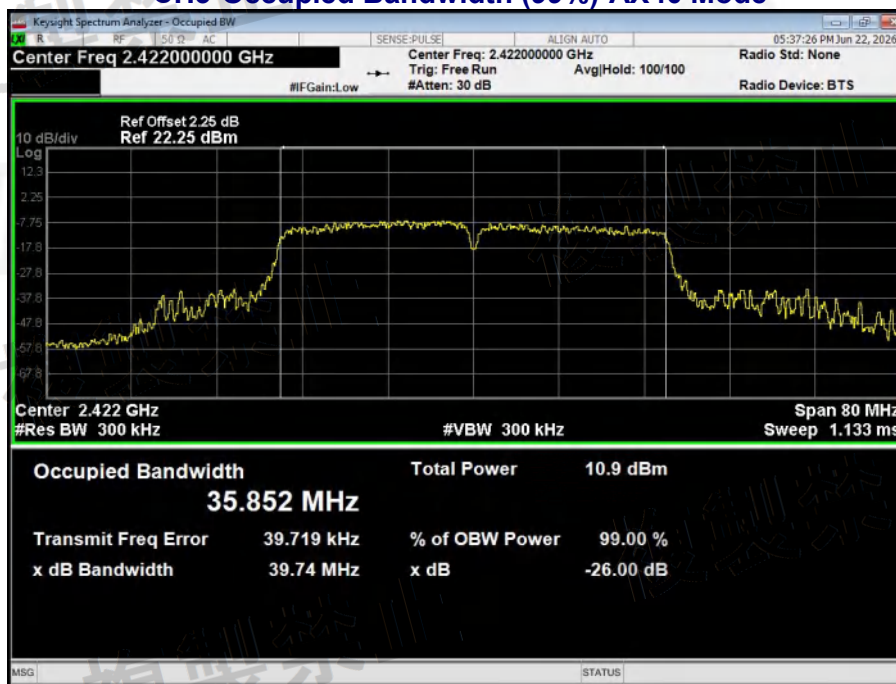
CH13-Occupied Bandwidth (99%)-AX20 Mode



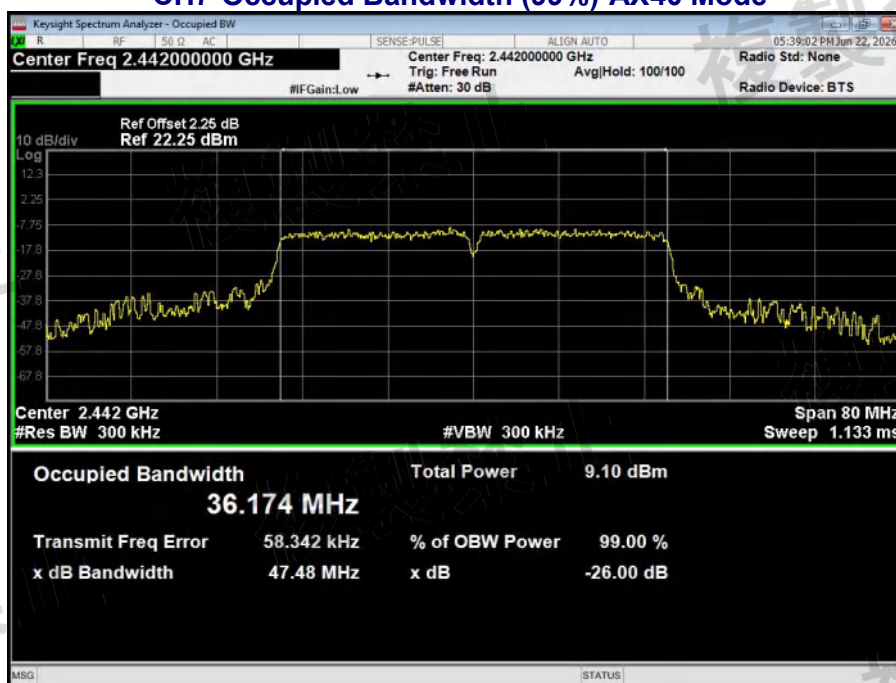


Test voltage	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth Limits (MHz)	Result
Normal	2422	35.852	26 to 40	Pass
	2442	36.174	26 to 40	Pass
	2462	35.989	26 to 40	Pass

CH3-Occupied Bandwidth (99%)-AX40 Mode

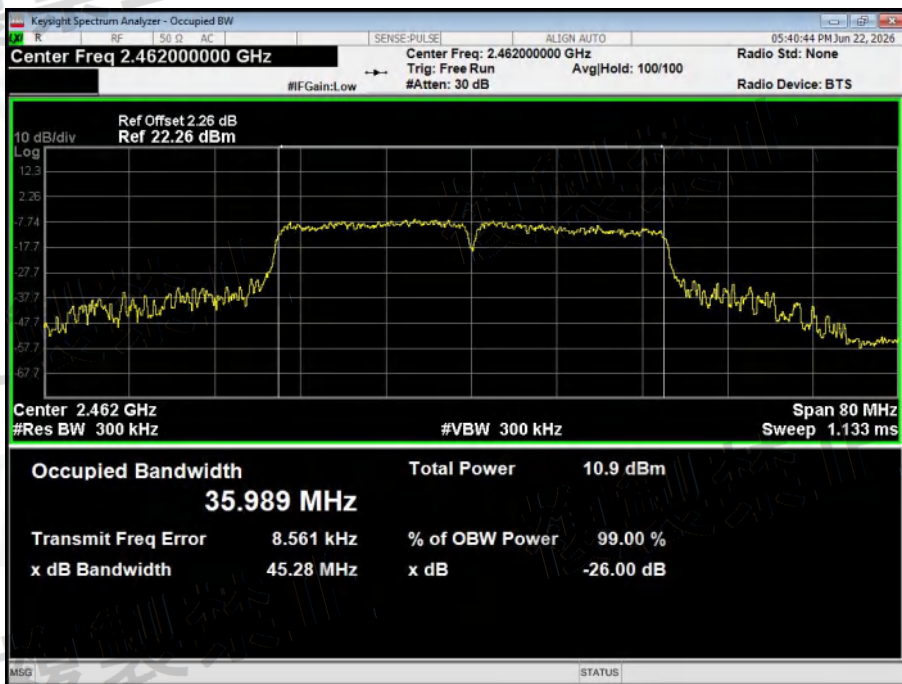


CH7-Occupied Bandwidth (99%)-AX40 Mode





CH11-Occupied Bandwidth (99%)-AX40 Mode





5.3 UNWANTED EMISSION INTENSITY MEASUREMENT

5.3.1 LIMIT

Item	Limits
TX Spurious Emission	Below 1G: 2.5 μ W/MHz or less Below 2387 MHz: 2.5 μ W/MHz or less 2387 to 2400 MHz: 25 μ W/MHz or less 2483.5 through 2496.5 MHz: 25 μ W/MHz or less Over 2496.5 MHz: 2.5 μ W/MHz or less

5.3.2 MEASURING INSTRUMENTS AND SETTING

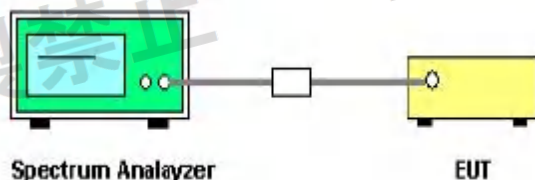
Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.3.3 TEST PROCEDURES

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: Below 1GHz RB:100KHz / VB:100KHz
Above 1GHz RB:1MHz / VB:1MHz / AT: 20dB Ref: 12.25dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
3. Setting of SA is following as 30MHz and stop frequency 1000MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W/MHz.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W/MHz.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25 μ W/MHz.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25 μ W/MHz
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W/MHz
8. Measure side band spurious as follows: For 2.4GHz band: 2374MHz~2400MHz and 2483.5MHz~2509.5MHz RBW = VBW = 30kHz, Result_Value = Measured_Value + 15.2 [dBm]
9. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.

5.3.4 TEST SETUP LAYOUT



5.3.5 TEST DEVIATION

There is no deviation with the original standard.

5.3.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.



5.3.7 TEST RESULT

Test Voltage	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (μW/MHz)	Limit (μW/MHz)	Verdict
Normal	802.11b	2412	30-1000	969.61	-58.39	0.0014	2.5	Pass
Normal	802.11b	2412	1000-2387	2386.24	-50.09	0.0098	2.5	Pass
Normal	802.11b	2412	2387-2400	2396.58	-36.78	0.2099	25	Pass
Normal	802.11b	2412	2483.5-2496.5	2485.64	-54.08	0.0039	25	Pass
Normal	802.11b	2412	2496.5-13000	4824.6	-46.18	0.0241	2.5	Pass
Normal	802.11b	2442	30-1000	892.5	-58.29	0.0015	2.5	Pass
Normal	802.11b	2442	1000-2387	1780.92	-49.01	0.0126	2.5	Pass
Normal	802.11b	2442	2387-2400	2399.96	-50.7	0.0085	25	Pass
Normal	802.11b	2442	2483.5-2496.5	2487.28	-53.27	0.0047	25	Pass
Normal	802.11b	2442	2496.5-13000	4884.47	-46.78	0.0210	2.5	Pass
Normal	802.11b	2472	30-1000	797.22	-58.19	0.0015	2.5	Pass
Normal	802.11b	2472	1000-2387	2346.22	-53.52	0.0044	2.5	Pass
Normal	802.11b	2472	2387-2400	2392.09	-50.85	0.0082	25	Pass
Normal	802.11b	2472	2483.5-2496.5	2484.15	-45.19	0.0303	25	Pass
Normal	802.11b	2472	2496.5-13000	4944.6	-45.94	0.0255	2.5	Pass
Normal	802.11g	2412	30-1000	819.7	-58.04	0.0016	2.5	Pass
Normal	802.11g	2412	1000-2387	2380.52	-36.45	0.2265	2.5	Pass
Normal	802.11g	2412	2387-2400	2399.87	-22.46	5.6754	25	Pass
Normal	802.11g	2412	2483.5-2496.5	2487.96	-52.98	0.0050	25	Pass
Normal	802.11g	2412	2496.5-13000	4816.99	-48.8	0.0132	2.5	Pass
Normal	802.11g	2442	30-1000	773.02	-58.38	0.0015	2.5	Pass
Normal	802.11g	2442	1000-2387	2384.16	-52.53	0.0056	2.5	Pass
Normal	802.11g	2442	2387-2400	2397.62	-45.46	0.0284	25	Pass
Normal	802.11g	2442	2483.5-2496.5	2483.94	-48.9	0.0129	25	Pass
Normal	802.11g	2442	2496.5-13000	4888.93	-50.3	0.0093	2.5	Pass
Normal	802.11g	2472	30-1000	96.15	-54.29	0.0037	2.5	Pass
Normal	802.11g	2472	1000-2387	2331.83	-53.08	0.0049	2.5	Pass
Normal	802.11g	2472	2387-2400	2395.53	-51.43	0.0072	25	Pass
Normal	802.11g	2472	2483.5-2496.5	2486.99	-27.83	1.6482	25	Pass
Normal	802.11g	2472	2496.5-13000	2497.03	-45.4	0.0288	2.5	Pass
Normal	802.11n20	2412	30-1000	901.11	-58.16	0.0015	2.5	Pass
Normal	802.11n20	2412	1000-2387	2383.29	-41.03	0.0789	2.5	Pass
Normal	802.11n20	2412	2387-2400	2394.36	-32.81	0.5236	25	Pass
Normal	802.11n20	2412	2483.5-2496.5	2495.68	-53.2	0.0048	25	Pass
Normal	802.11n20	2412	2496.5-13000	4825.65	-49.74	0.0106	2.5	Pass
Normal	802.11n20	2442	30-1000	786.02	-58.07	0.0016	2.5	Pass
Normal	802.11n20	2442	1000-2387	2305.31	-51.82	0.0066	2.5	Pass
Normal	802.11n20	2442	2387-2400	2399.89	-48.76	0.0133	25	Pass
Normal	802.11n20	2442	2483.5-2496.5	2483.85	-52.15	0.0061	25	Pass
Normal	802.11n20	2442	2496.5-13000	4883.95	-50.71	0.0085	2.5	Pass
Normal	802.11n20	2472	30-1000	987.32	-57.97	0.0016	2.5	Pass
Normal	802.11n20	2472	1000-2387	2314.29	-53.04	0.0050	2.5	Pass
Normal	802.11n20	2472	2387-2400	2399.76	-50.58	0.0087	25	Pass
Normal	802.11n20	2472	2483.5-2496.5	2483.5	-37.91	0.1618	25	Pass
Normal	802.11n20	2472	2496.5-13000	2497.81	-48.95	0.0127	2.5	Pass



Normal	802.11n40	2422	30-1000	30.02	-55.14	0.0031	2.5	Pass
Normal	802.11n40	2422	1000-2387	2382.84	-39.8	0.1047	2.5	Pass
Normal	802.11n40	2422	2387-2400	2399.87	-29.68	1.0765	25	Pass
Normal	802.11n40	2422	2483.5-2496.5	2488.97	-50.77	0.0084	25	Pass
Normal	802.11n40	2422	2496.5-13000	2522.5	-49.44	0.0114	2.5	Pass
Normal	802.11n40	2442	30-1000	833.65	-52.78	0.0053	2.5	Pass
Normal	802.11n40	2442	1000-2387	2386.38	-47.53	0.0177	2.5	Pass
Normal	802.11n40	2442	2387-2400	2390.41	-40.59	0.0873	25	Pass
Normal	802.11n40	2442	2483.5-2496.5	2484.85	-46.11	0.0245	25	Pass
Normal	802.11n40	2442	2496.5-13000	2497.03	-52.06	0.0062	2.5	Pass
Normal	802.11n40	2462	30-1000	40.02	-56.87	0.0021	2.5	Pass
Normal	802.11n40	2462	1000-2387	1745.48	-48.58	0.0139	2.5	Pass
Normal	802.11n40	2462	2387-2400	2399.51	-46.69	0.0214	25	Pass
Normal	802.11n40	2462	2483.5-2496.5	2483.5	-32.22	0.5998	25	Pass
Normal	802.11n40	2462	2496.5-13000	2496.5	-45.22	0.0301	2.5	Pass
Normal	802.11ax20	2412	30-1000	958.7	-58.1	0.0015	2.5	Pass
Normal	802.11ax20	2412	1000-2387	2210.23	-56.69	0.0021	2.5	Pass
Normal	802.11ax20	2412	2387-2400	2399.9	-20.6	8.7096	25	Pass
Normal	802.11ax20	2412	2483.5-2496.5	2490.31	-55.88	0.0026	25	Pass
Normal	802.11ax20	2412	2496.5-13000	12336.18	-54.24	0.0038	2.5	Pass
Normal	802.11ax20	2442	30-1000	970.39	-58.61	0.0014	2.5	Pass
Normal	802.11ax20	2442	1000-2387	1952.66	-57.35	0.0018	2.5	Pass
Normal	802.11ax20	2442	2387-2400	2399.75	-55.17	0.0030	25	Pass
Normal	802.11ax20	2442	2483.5-2496.5	2488.95	-55.3	0.0030	25	Pass
Normal	802.11ax20	2442	2496.5-13000	12584.59	-53.41	0.0046	2.5	Pass
Normal	802.11ax20	2472	30-1000	860.66	-58.15	0.0015	2.5	Pass
Normal	802.11ax20	2472	1000-2387	2359.23	-56.72	0.0021	2.5	Pass
Normal	802.11ax20	2472	2387-2400	2398.52	-55.18	0.0030	25	Pass
Normal	802.11ax20	2472	2483.5-2496.5	2483.51	-20.07	9.8401	25	Pass
Normal	802.11ax20	2472	2496.5-13000	2496.5	-51.61	0.0069	2.5	Pass
Normal	802.11ax40	2422	30-1000	858.19	-58	0.0016	2.5	Pass
Normal	802.11ax40	2422	1000-2387	2039.76	-56.83	0.0021	2.5	Pass
Normal	802.11ax40	2422	2387-2400	2399.95	-25.9	2.5704	25	Pass
Normal	802.11ax40	2422	2483.5-2496.5	2484.44	-53.74	0.0042	25	Pass
Normal	802.11ax40	2422	2496.5-13000	12577.5	-53.52	0.0044	2.5	Pass
Normal	802.11ax40	2442	30-1000	769.14	-58.21	0.0015	2.5	Pass
Normal	802.11ax40	2442	1000-2387	2313.59	-56.24	0.0024	2.5	Pass
Normal	802.11ax40	2442	2387-2400	2399.97	-43.66	0.0431	25	Pass
Normal	802.11ax40	2442	2483.5-2496.5	2484.44	-43.08	0.0492	25	Pass
Normal	802.11ax40	2442	2496.5-13000	12584.06	-53.74	0.0042	2.5	Pass
Normal	802.11ax40	2462	30-1000	93.2	-58.63	0.0014	2.5	Pass
Normal	802.11ax40	2462	1000-2387	2174.82	-56.7	0.0021	2.5	Pass
Normal	802.11ax40	2462	2387-2400	2394.96	-54.14	0.0039	25	Pass
Normal	802.11ax40	2462	2483.5-2496.5	2486.33	-24	3.9811	25	Pass
Normal	802.11ax40	2462	2496.5-13000	2497.81	-48.96	0.0127	2.5	Pass

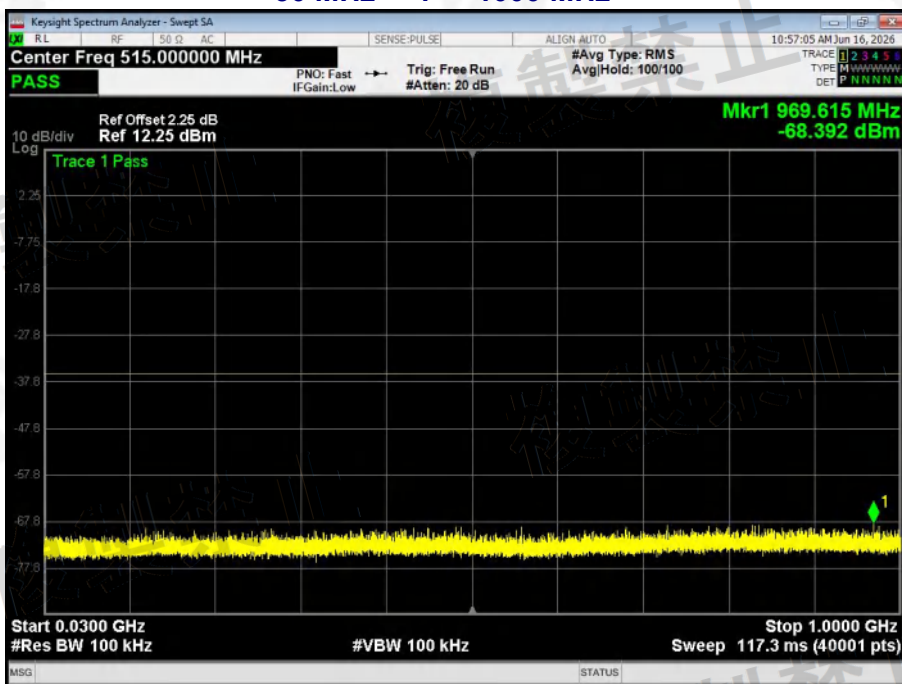
Note: 30M-1GHz test for RB=100kHz,
Test Result = Max Value +RB factor
RB factor = $10\log(RB0/RB1) = 10\log(1M/100K) = 10dB$



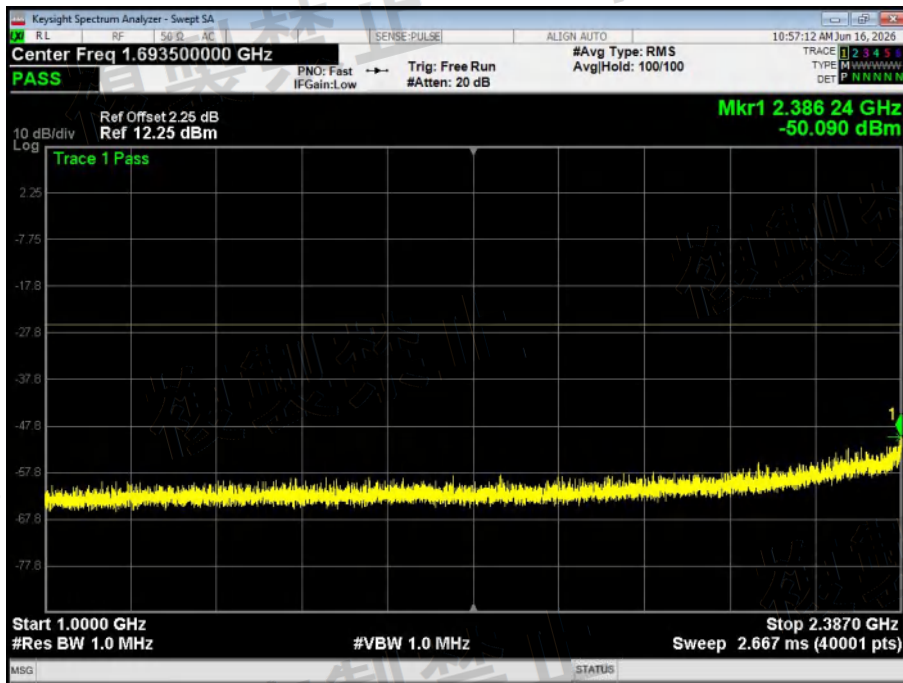
Modulation type: 802.11b

Test voltage	Normal	Test Channel (MHz)	2412.00
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$30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$

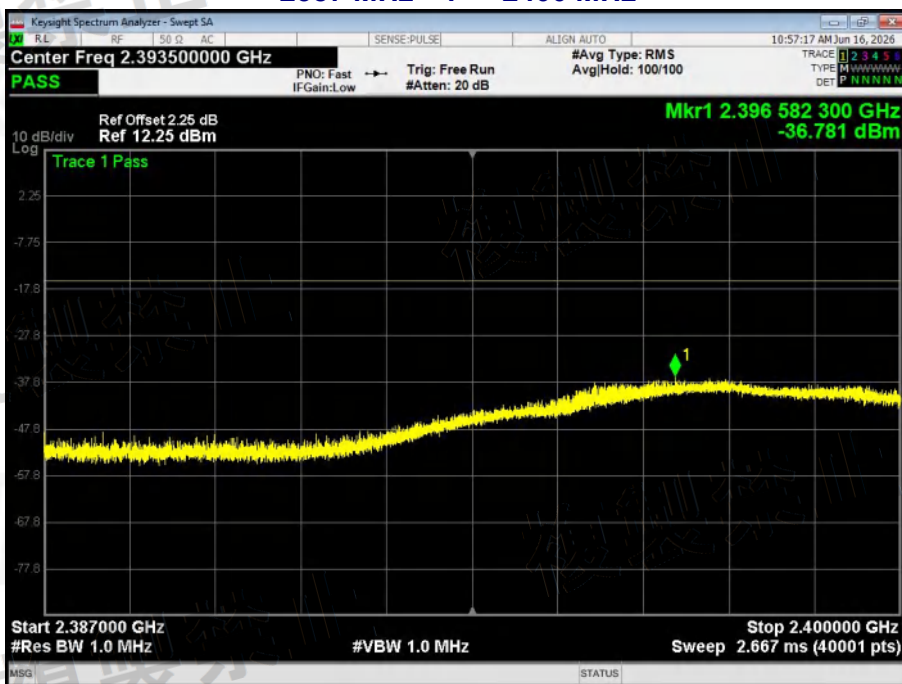


$1000 \text{ MHz} < f \leq 2387 \text{ MHz}$

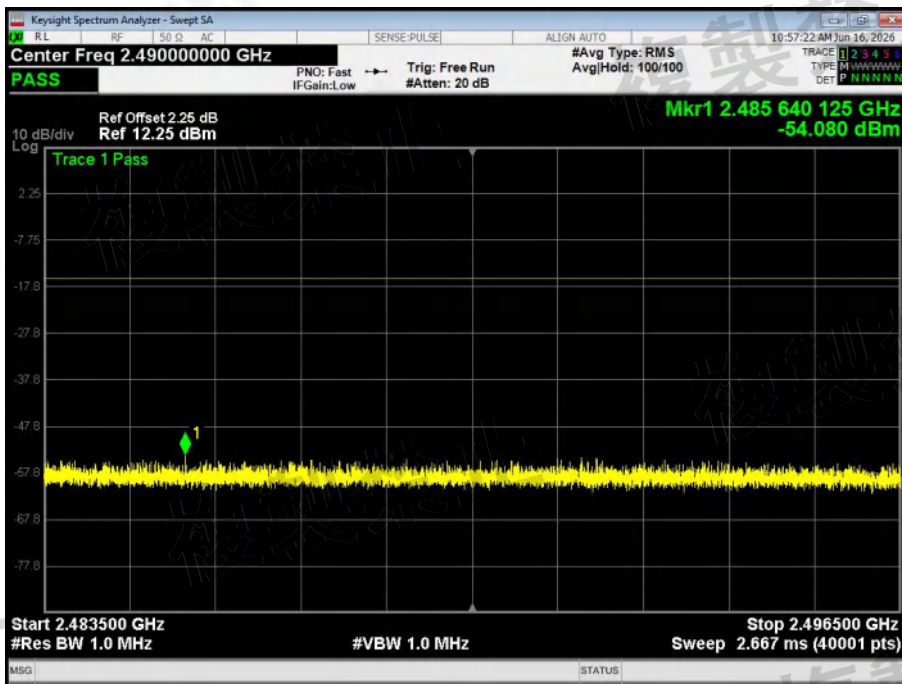




2387 MHz < f ≤ 2400 MHz

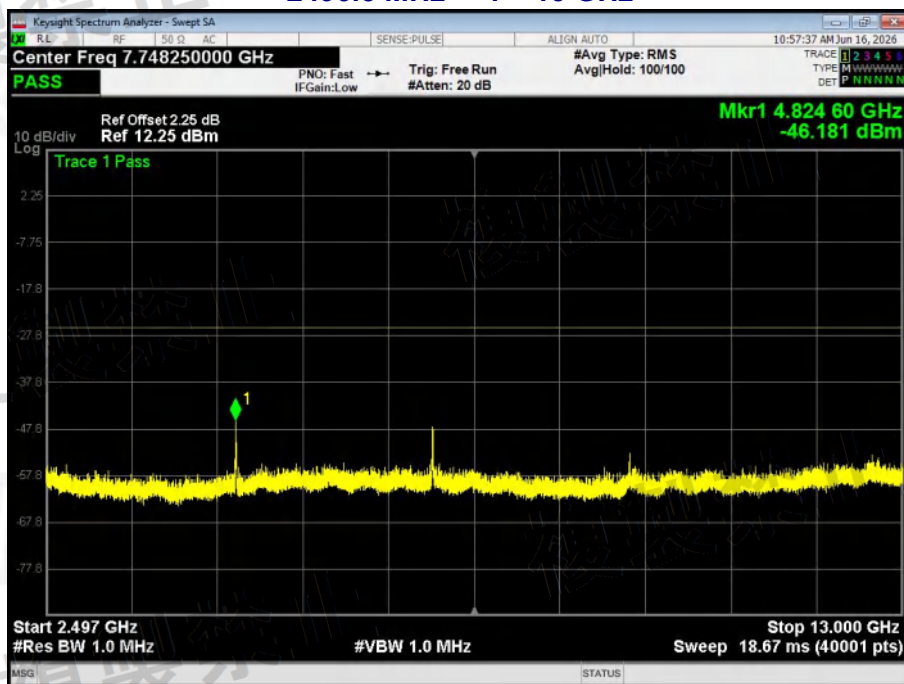


2483.5 MHz ≤ f < 2496.5 MHz





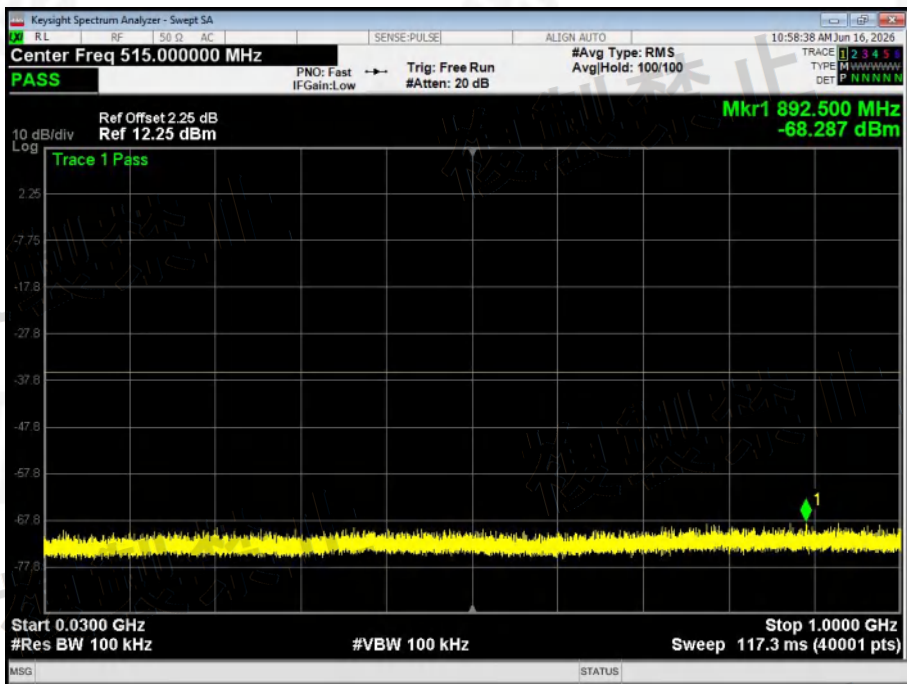
2496.5 MHz $\leq f < 13$ GHz



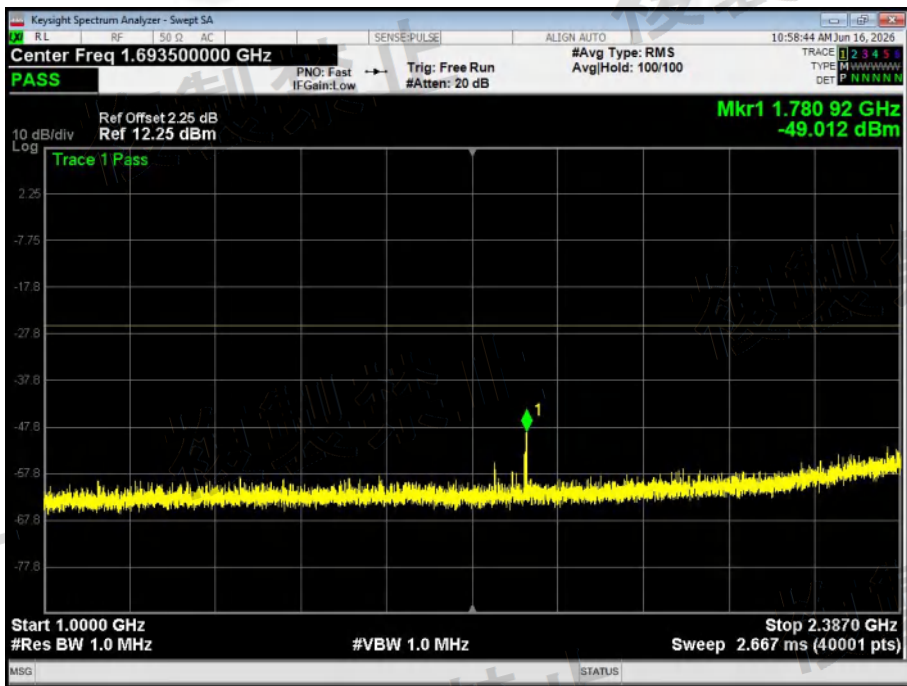


Test voltage	Normal	Test Channel (MHz)	2442.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

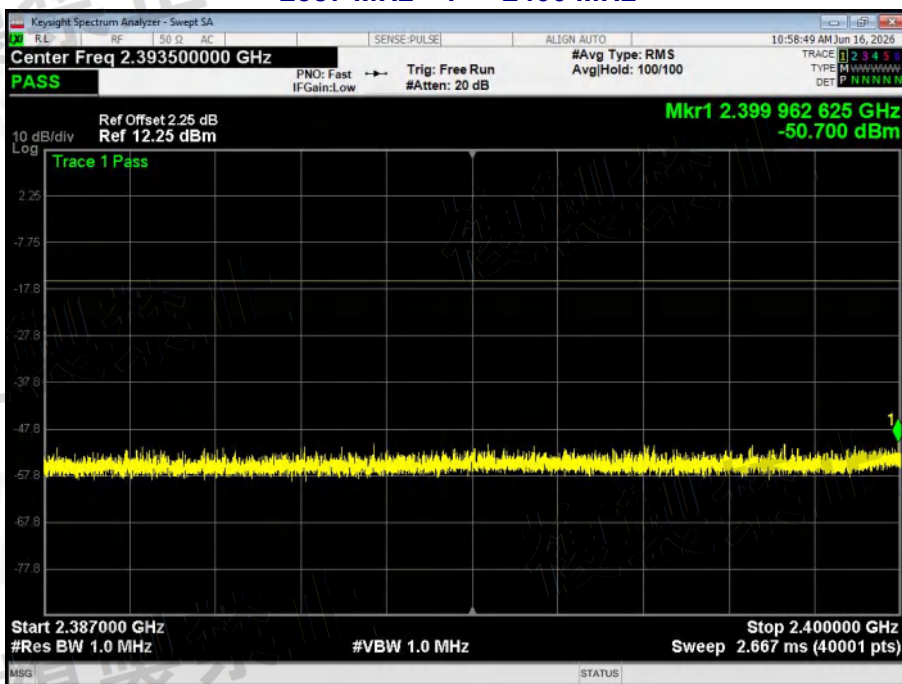


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

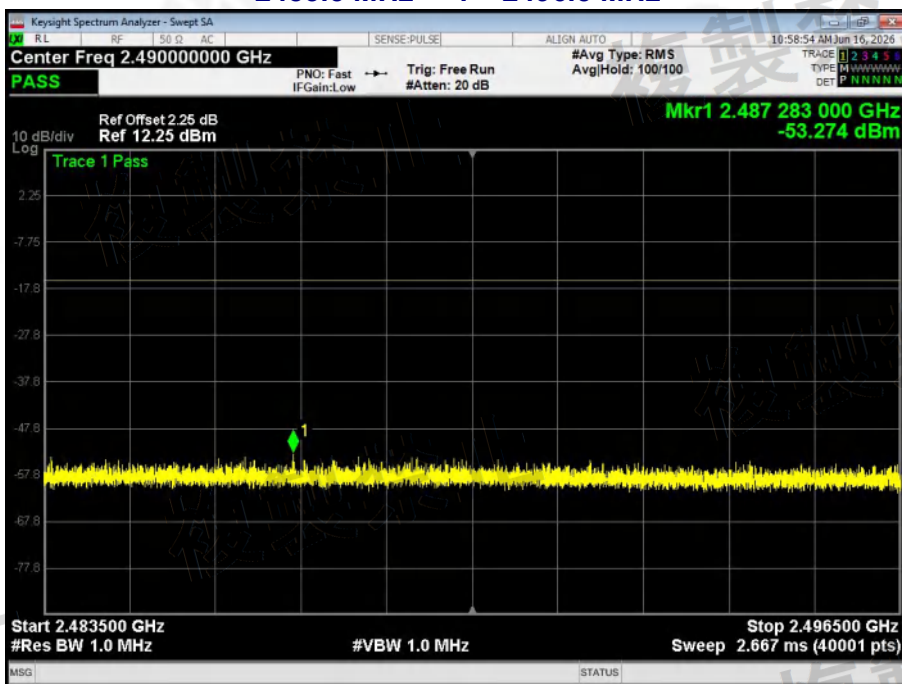




2387 MHz < f ≤ 2400 MHz

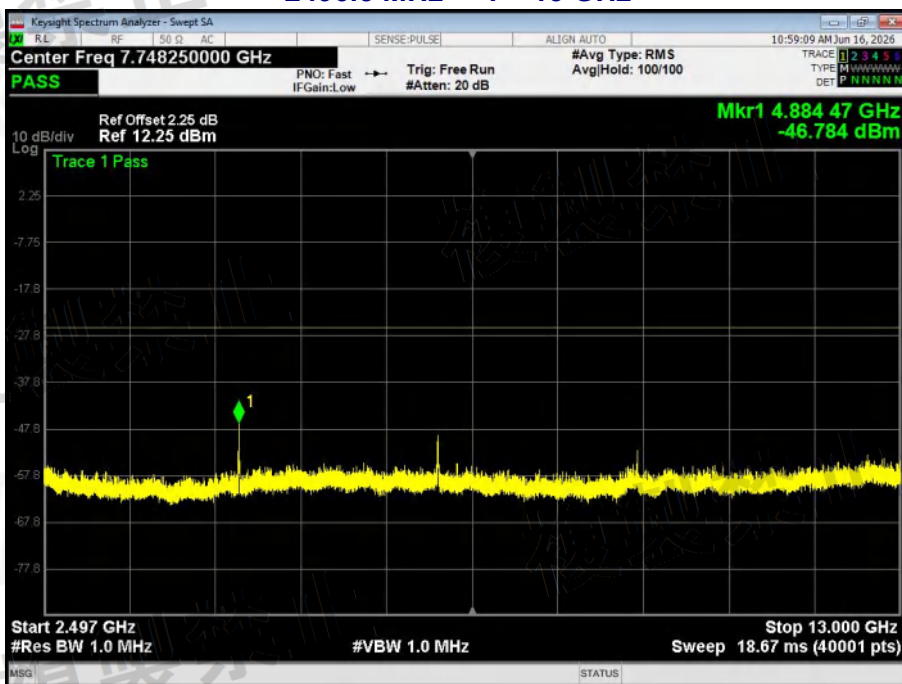


2483.5 MHz ≤ f < 2496.5 MHz





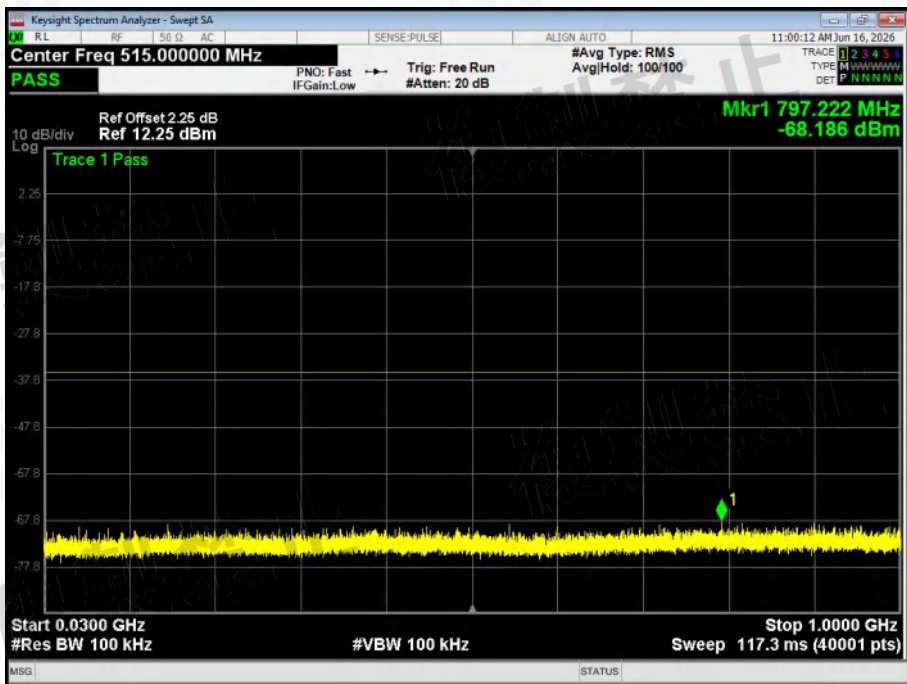
2496.5 MHz $\leq f < 13$ GHz



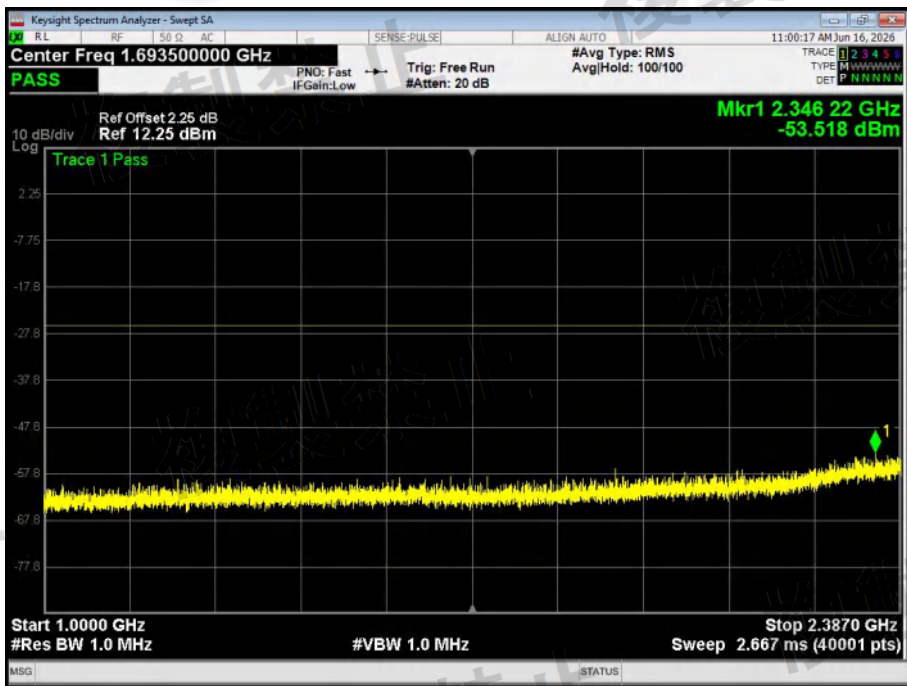


Test voltage	Normal	Test Channel (MHz)	2472.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

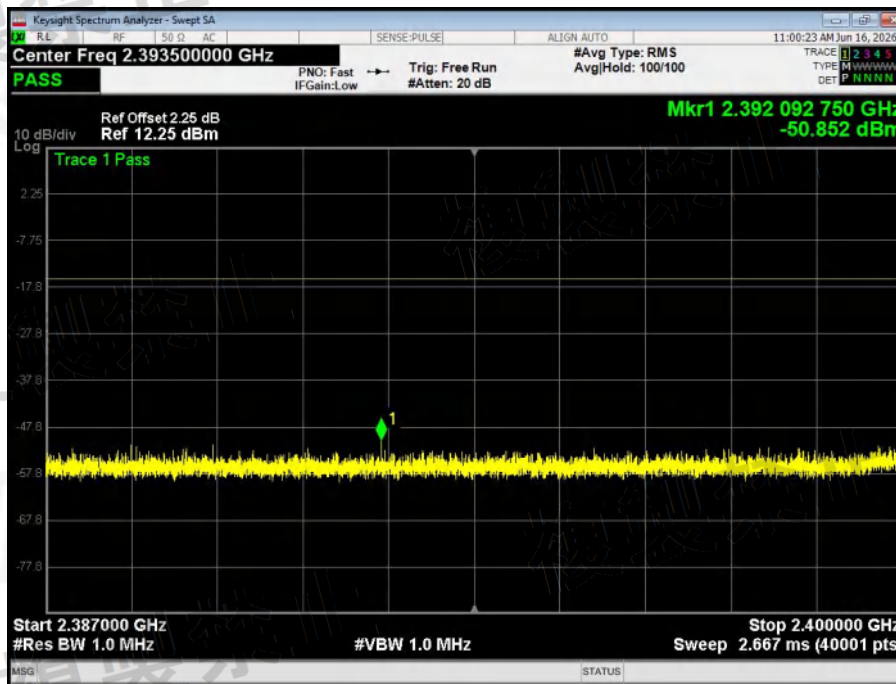


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

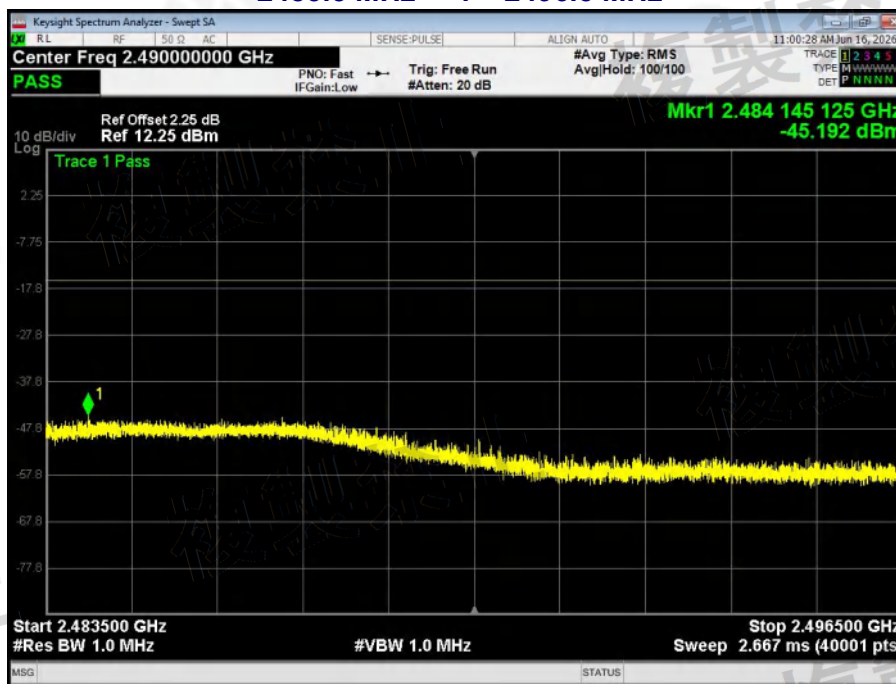




2387 MHz < f ≤ 2400 MHz

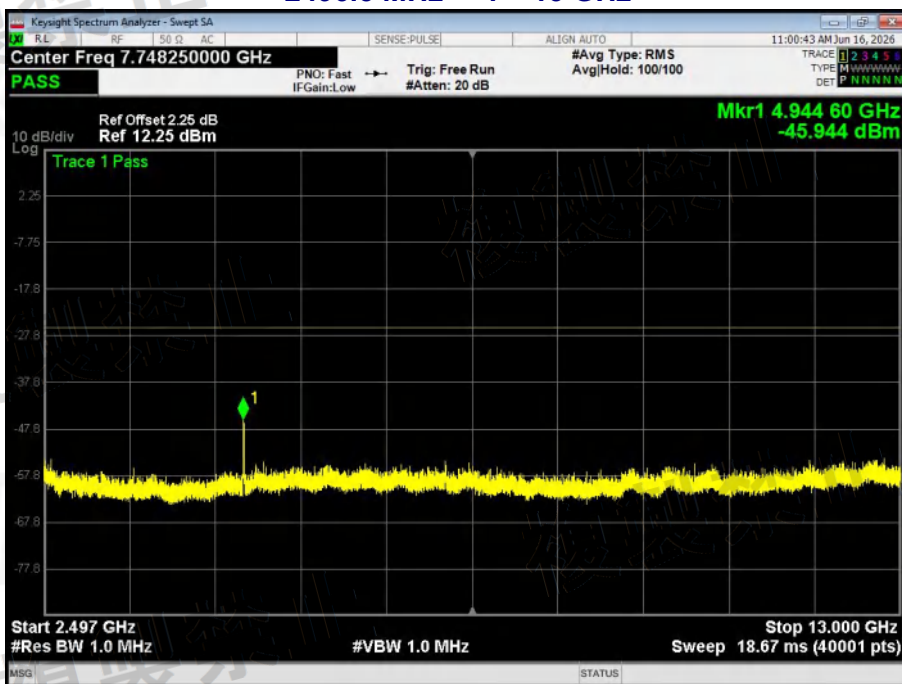


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz

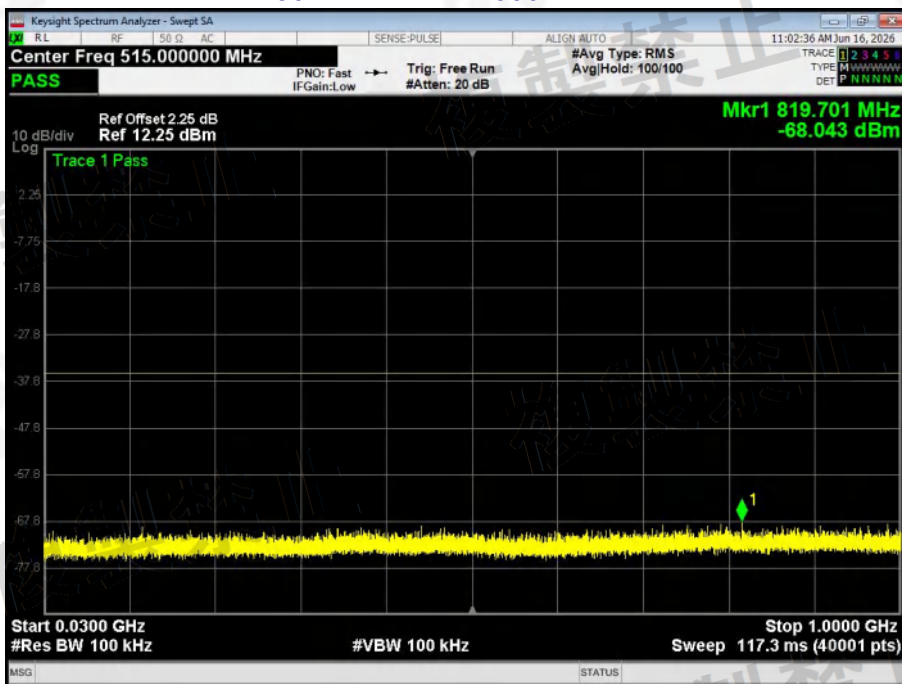




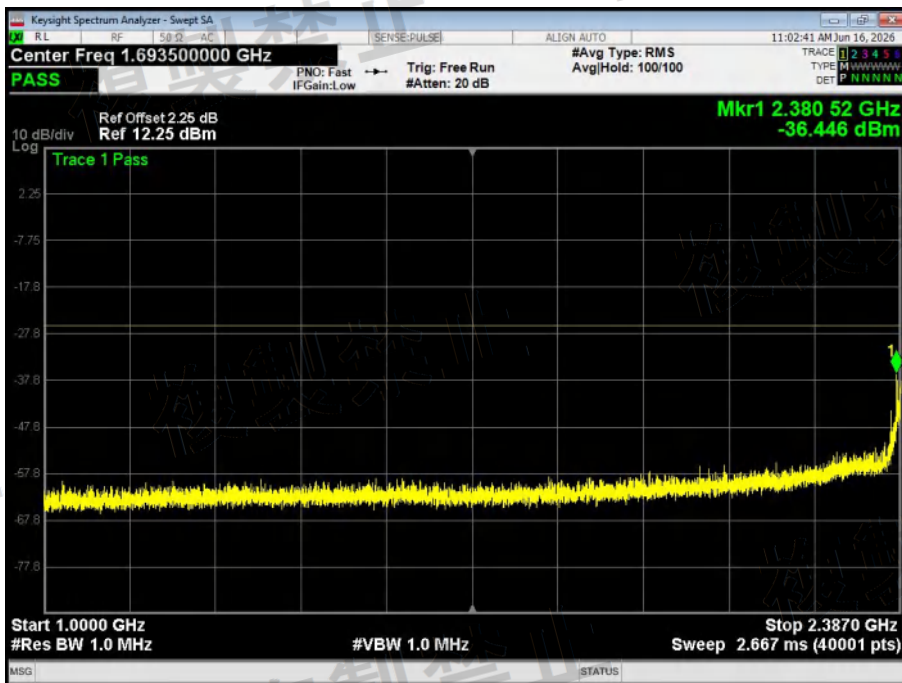
Modulation type: 802.11g

Test voltage	Normal	Test Channel (MHz)	2412.00
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$$30 \text{ MHz} \cong f \cong 1000 \text{ MHz}$$

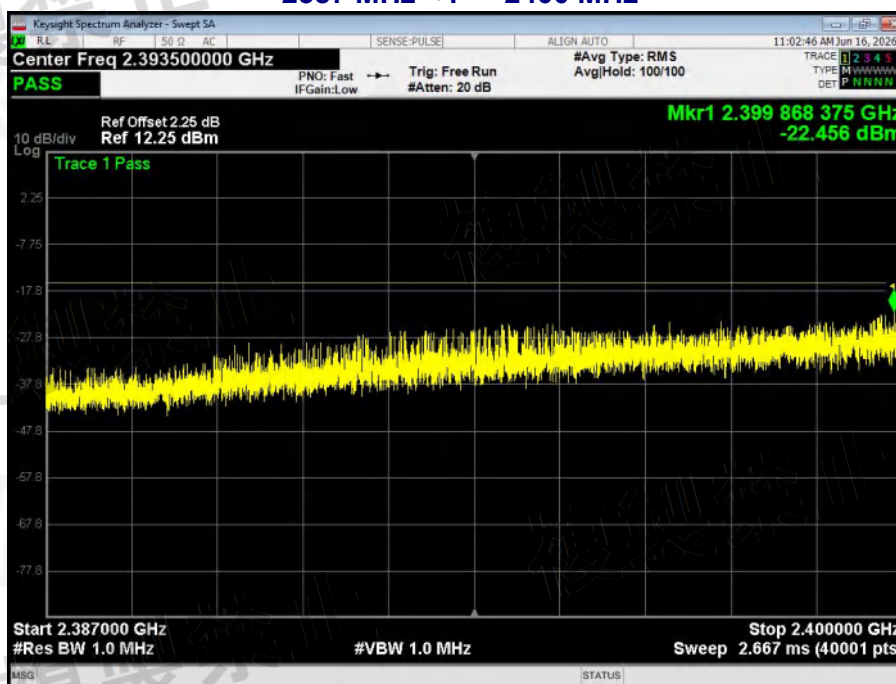


$$1000 \text{ MHz} < f \cong 2387 \text{ MHz}$$

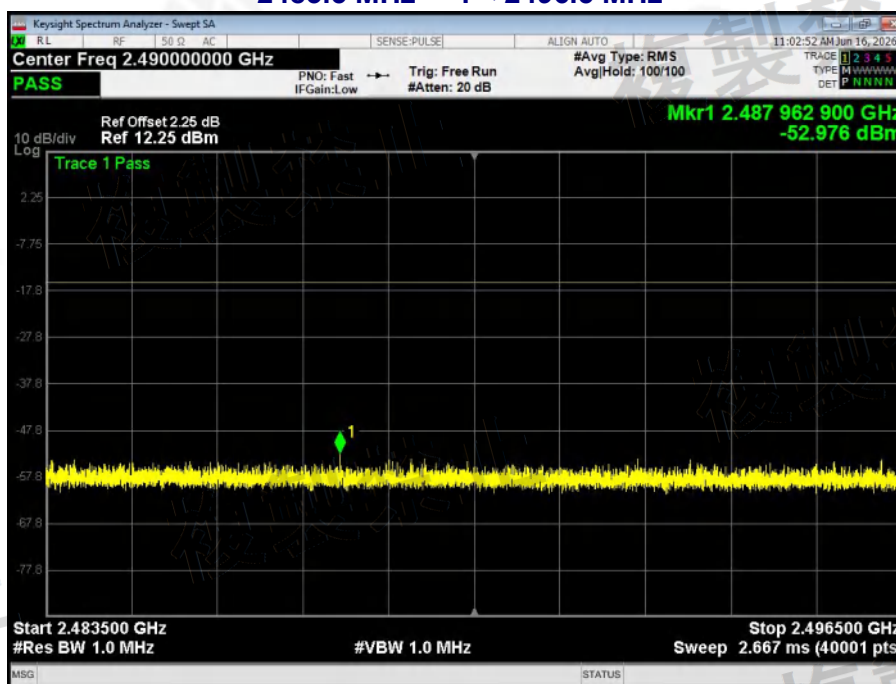




2387 MHz < f ≤ 2400 MHz

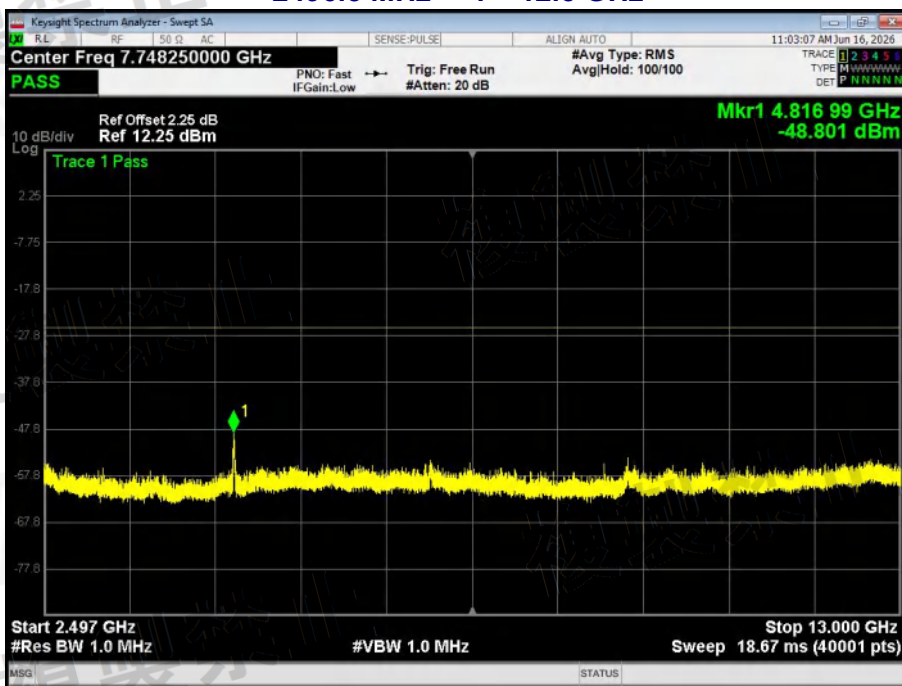


2483.5 MHz ≤ f < 2496.5 MHz





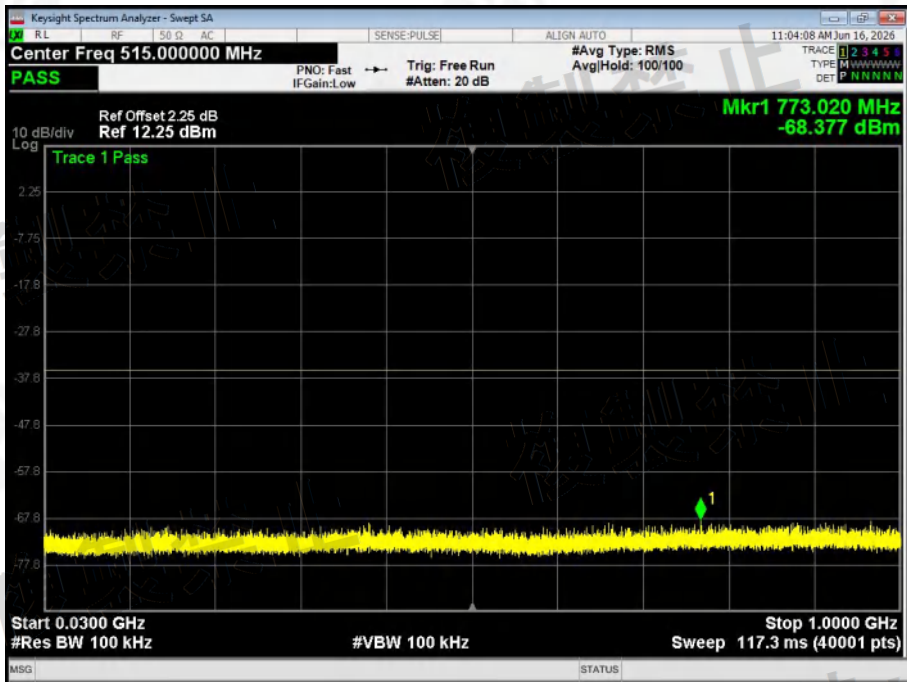
2496.5 MHz $\leq f < 12.5$ GHz



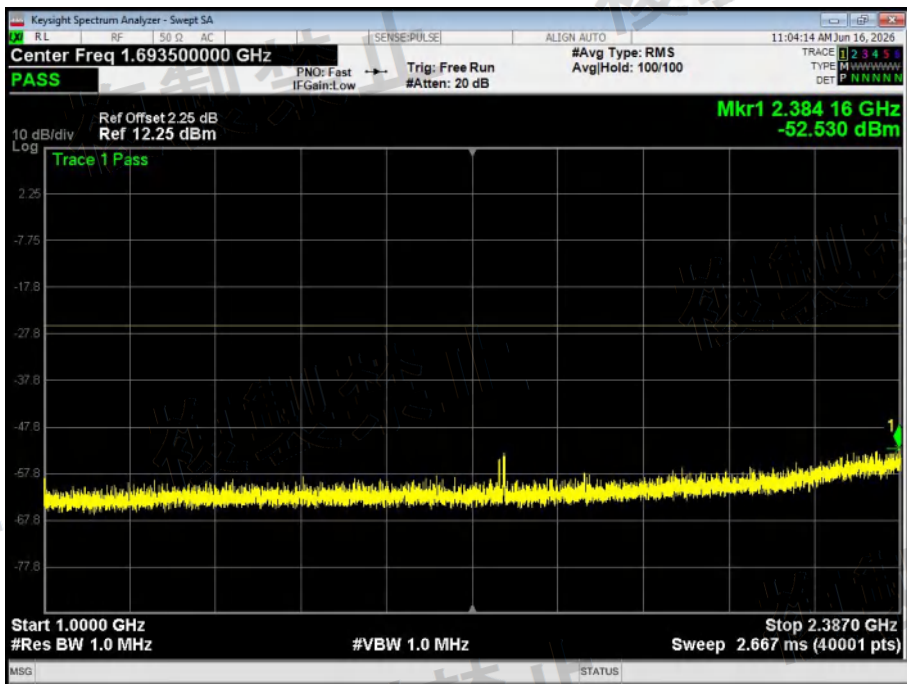


Test voltage	Normal	Test Channel (MHz)	2442.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

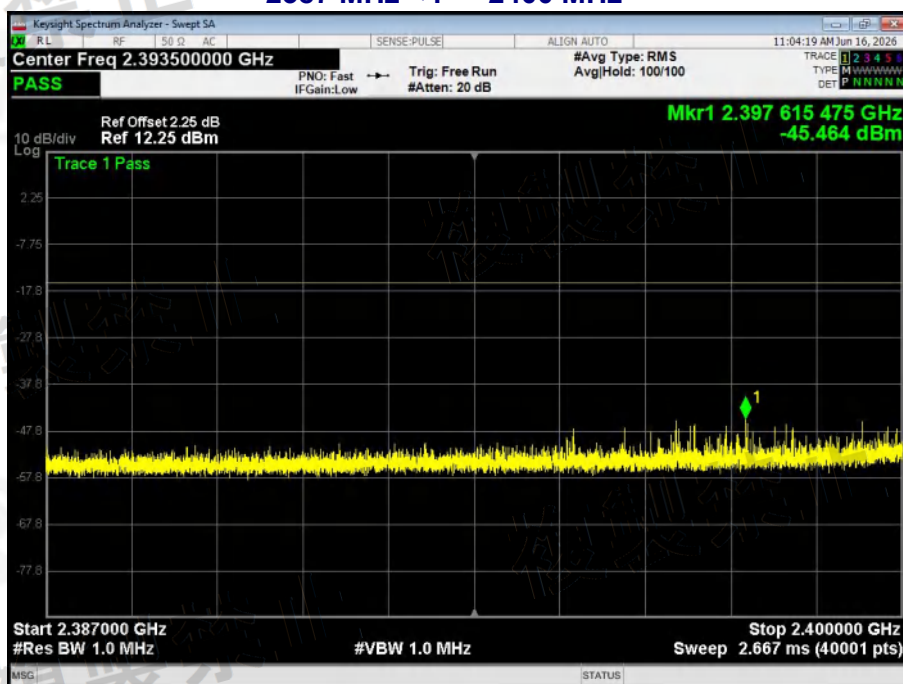


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

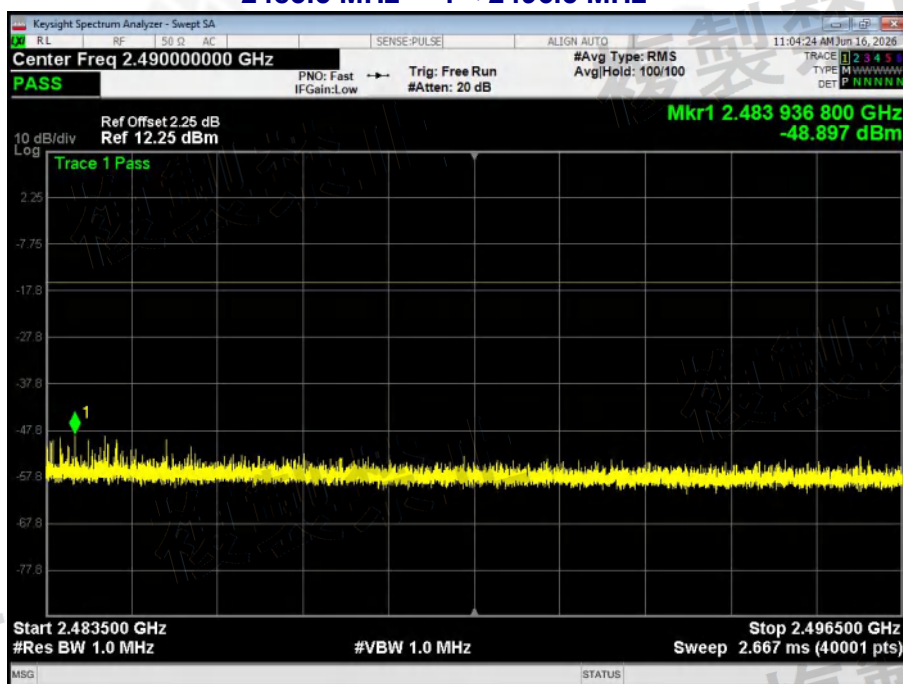




2387 MHz < f ≤ 2400 MHz

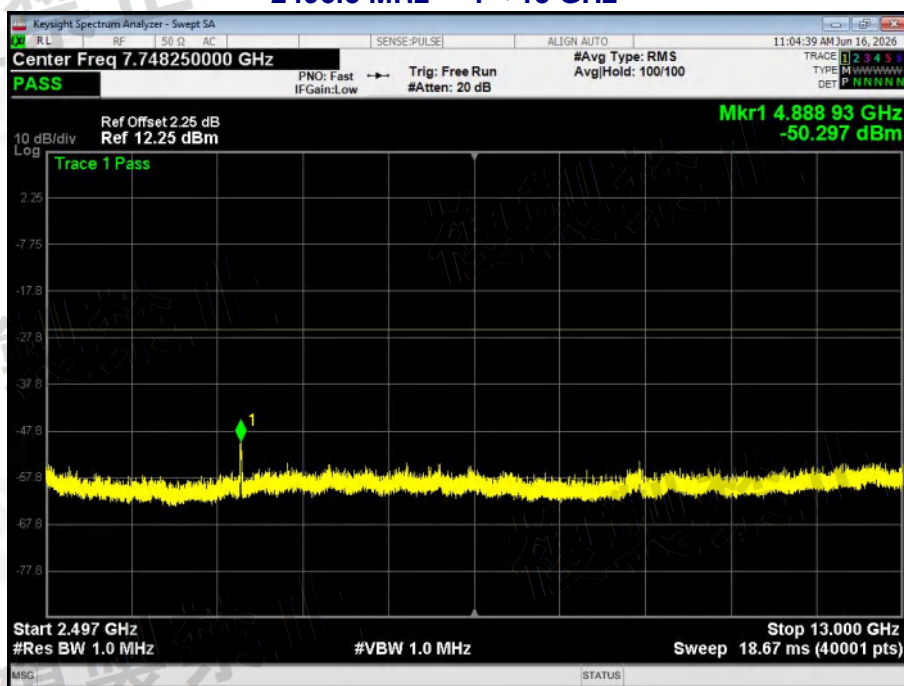


2483.5 MHz ≤ f < 2496.5 MHz





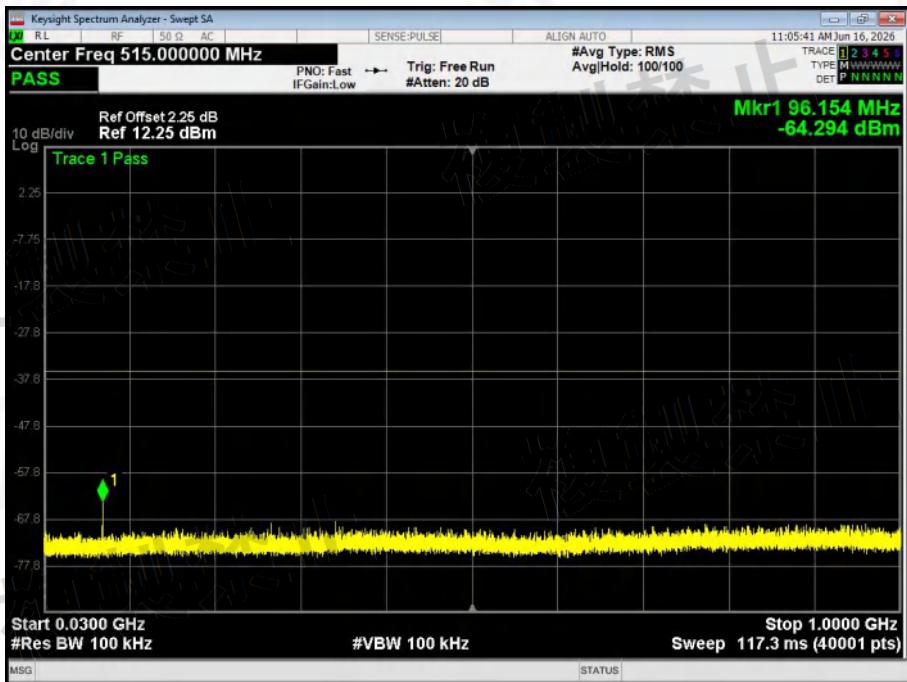
2496.5 MHz $\leq f < 13$ GHz



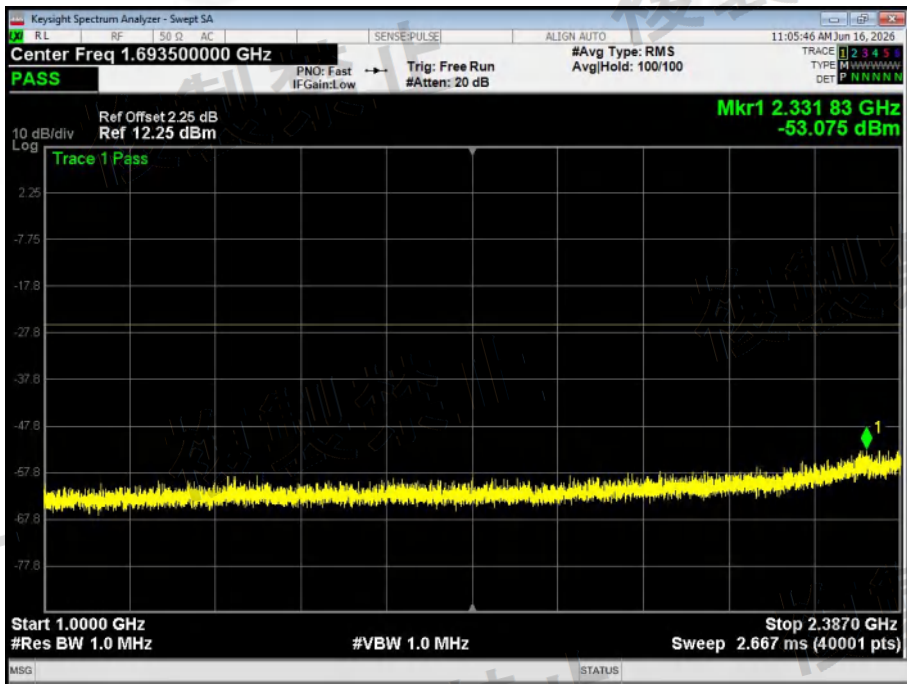


Test voltage	Normal	Test Channel (MHz)	2472.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

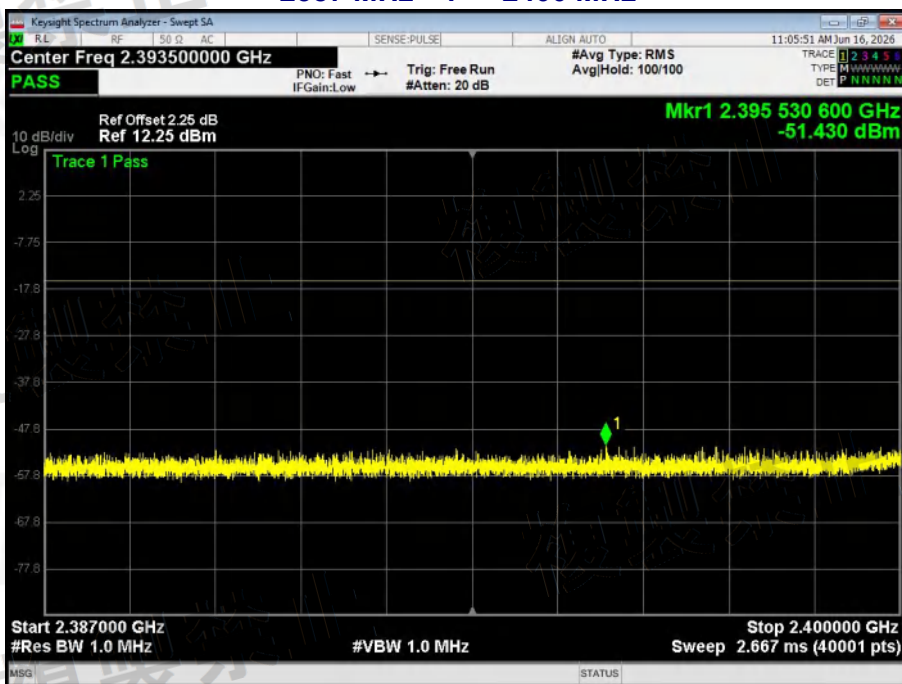


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

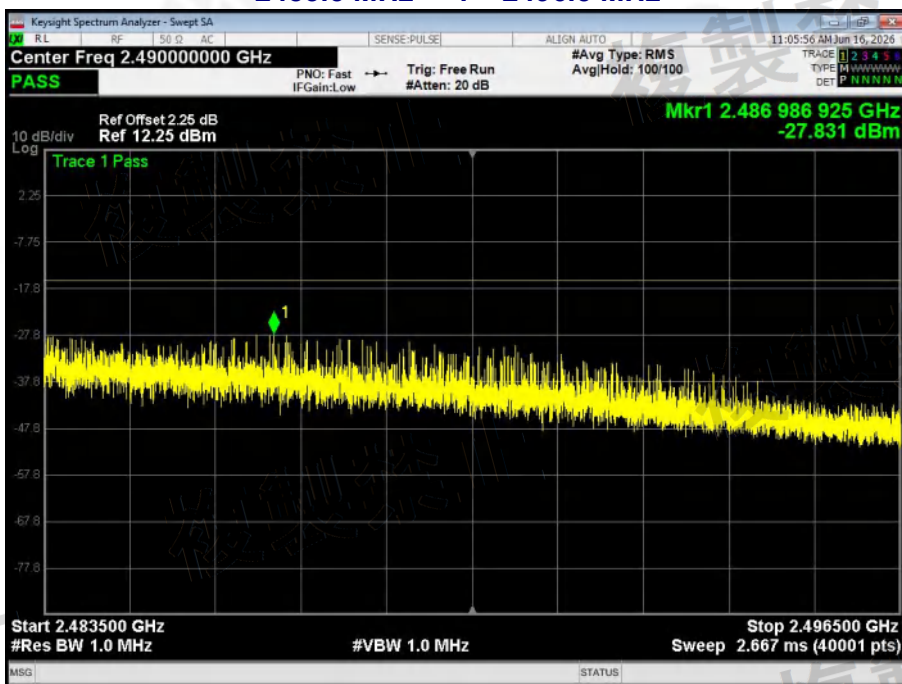




2387 MHz < f ≤ 2400 MHz

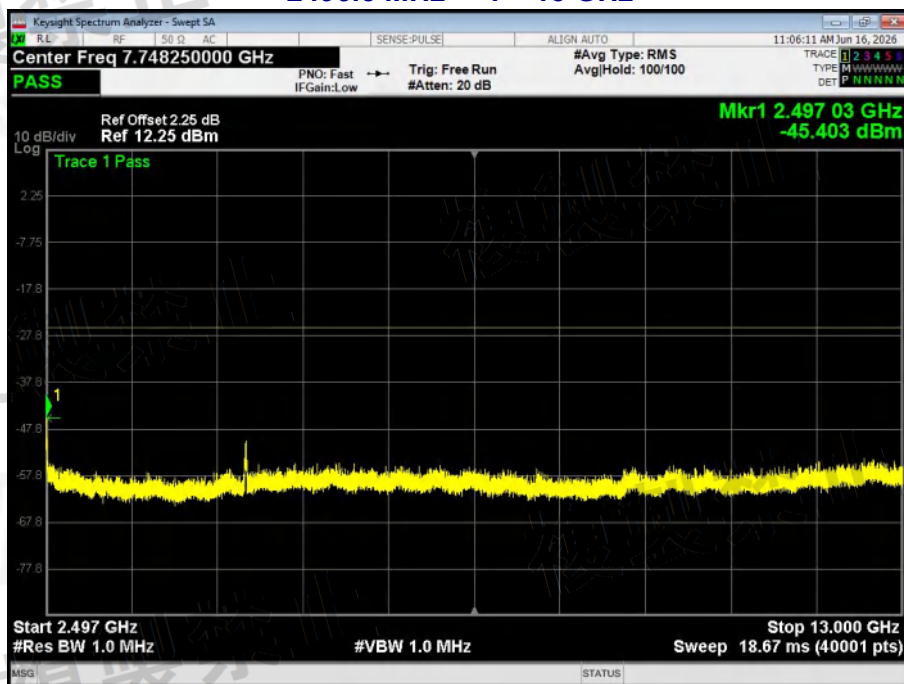


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz

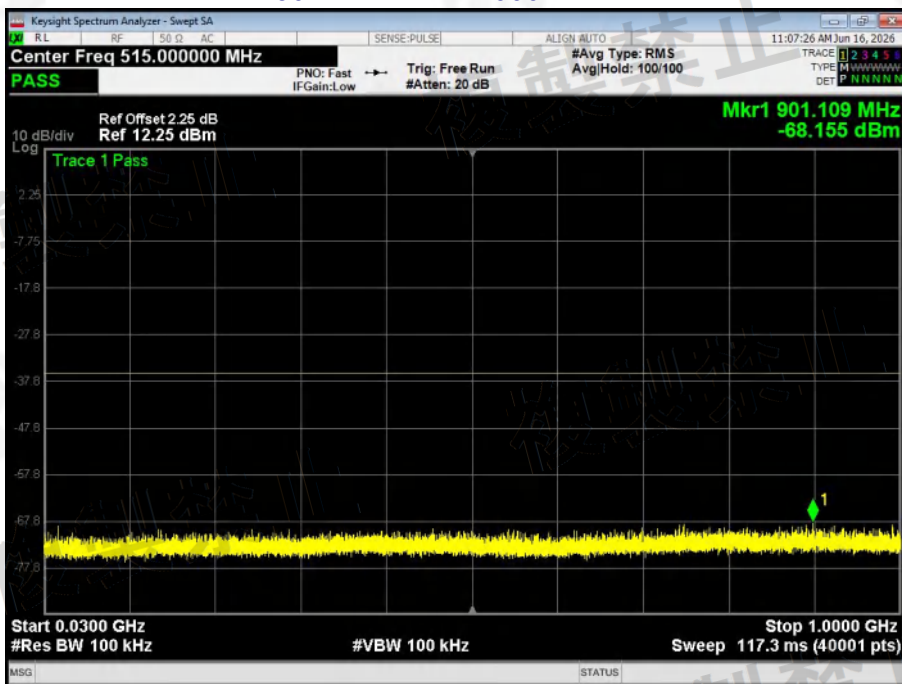




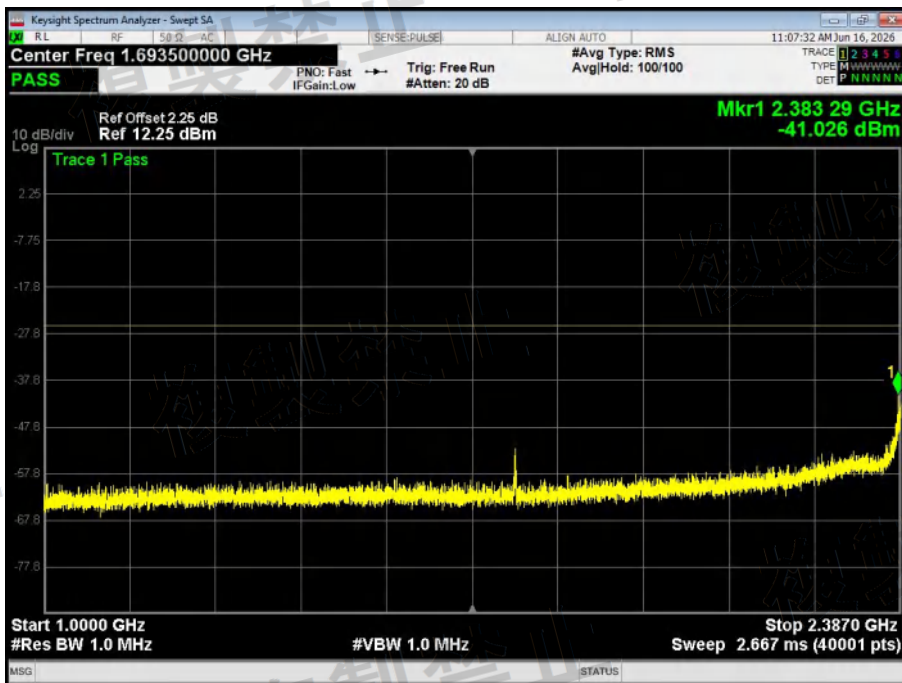
Modulation type: 802.11n20

Test voltage	Normal	Test Channel (MHz)	2412.00
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$$30 \text{ MHz} \cong f \cong 1000 \text{ MHz}$$

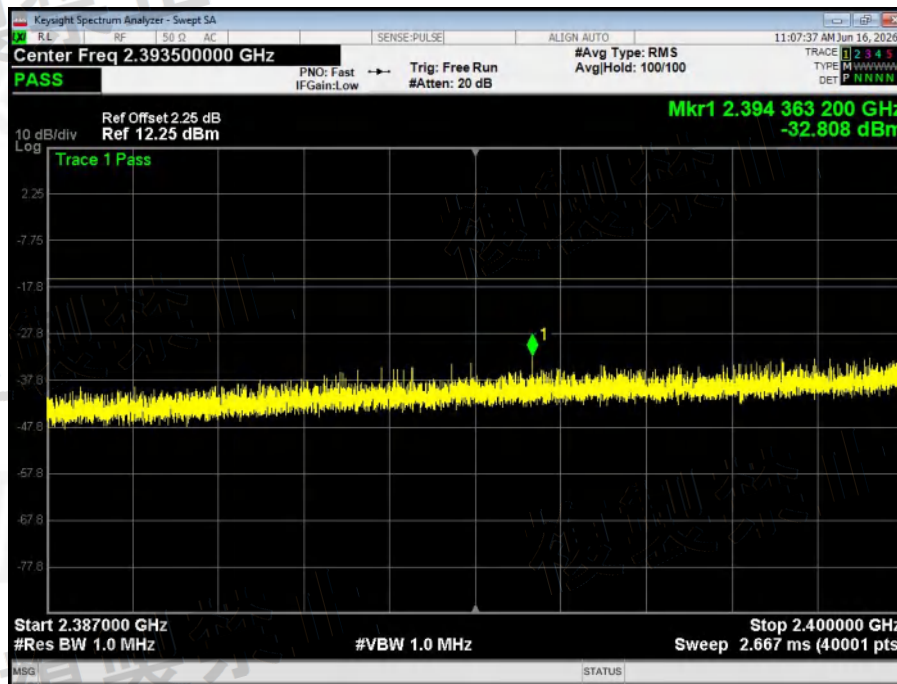


$$1000 \text{ MHz} < f \cong 2387 \text{ MHz}$$

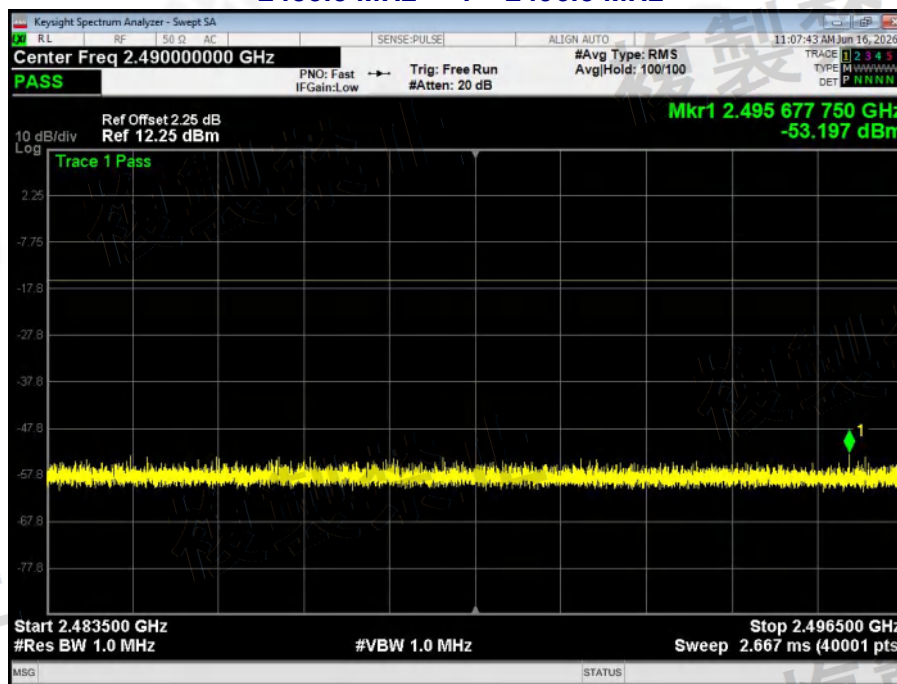




2387 MHz < f ≤ 2400 MHz

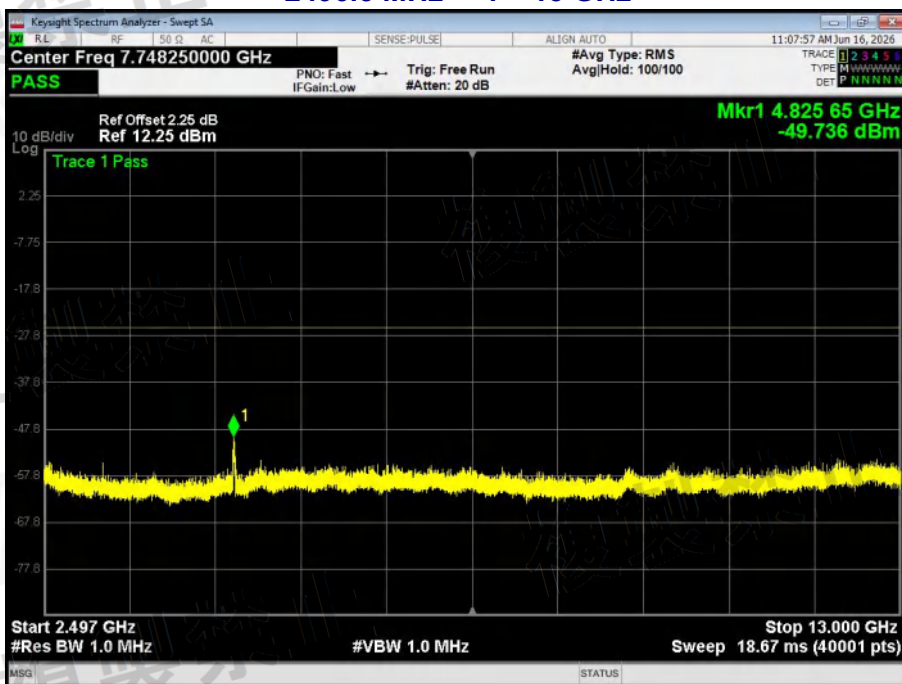


2483.5 MHz ≤ f < 2496.5 MHz





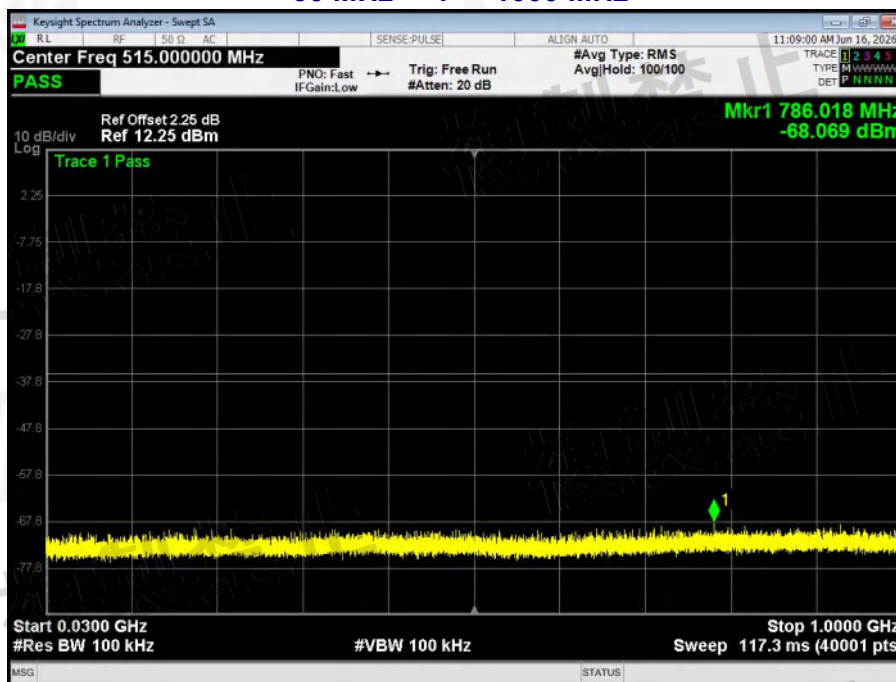
2496.5 MHz $\leq f < 13$ GHz



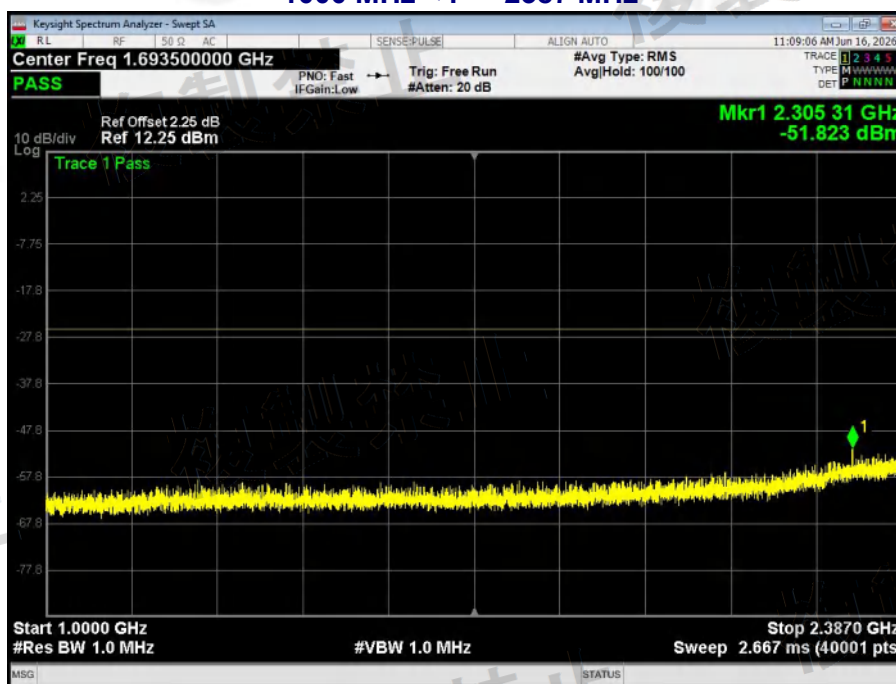


Test voltage	Normal	Test Channel (MHz)	2442.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

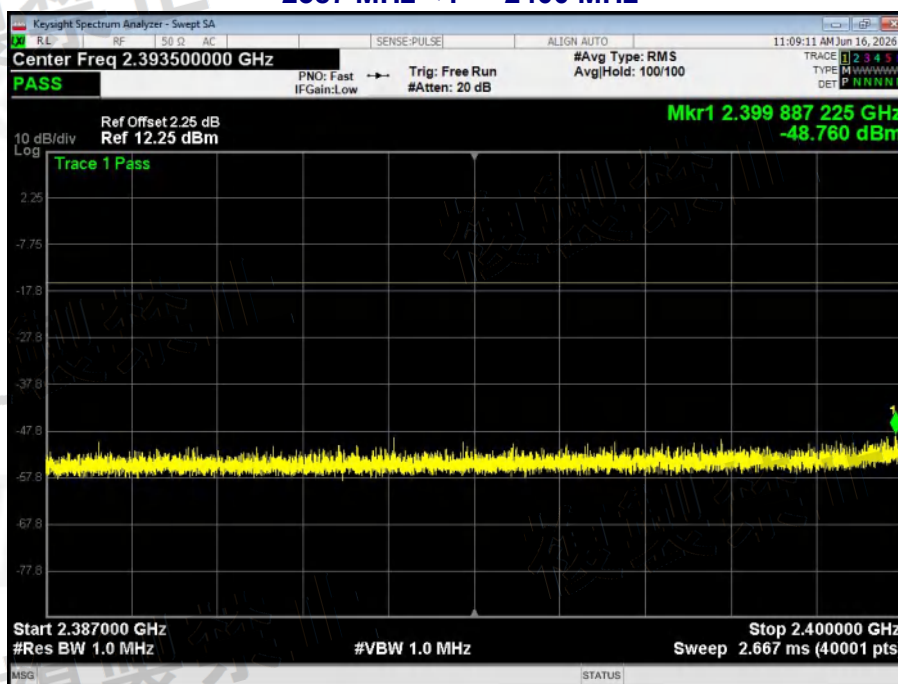


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

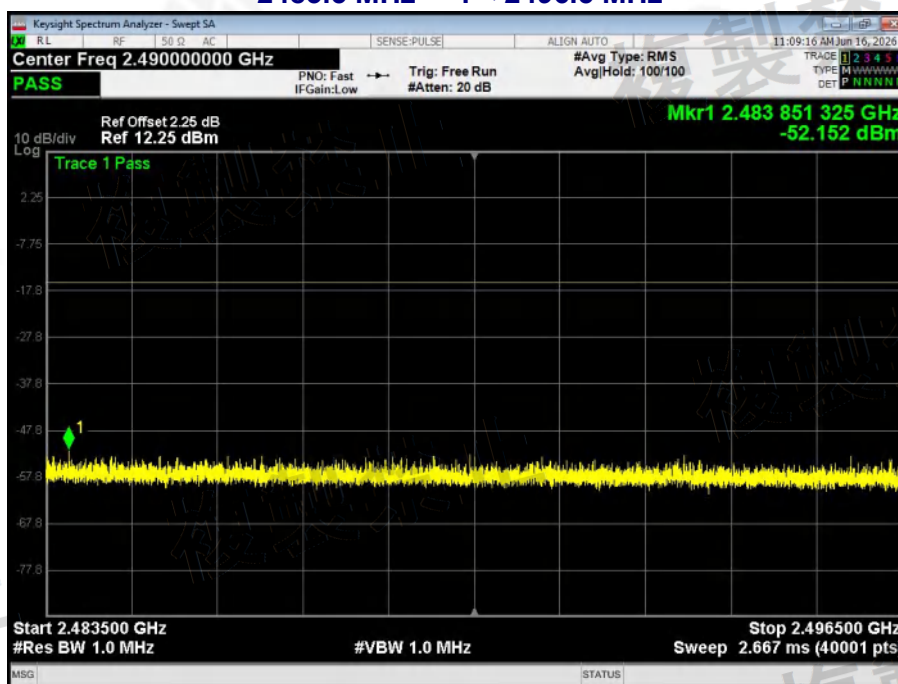




2387 MHz < f ≤ 2400 MHz

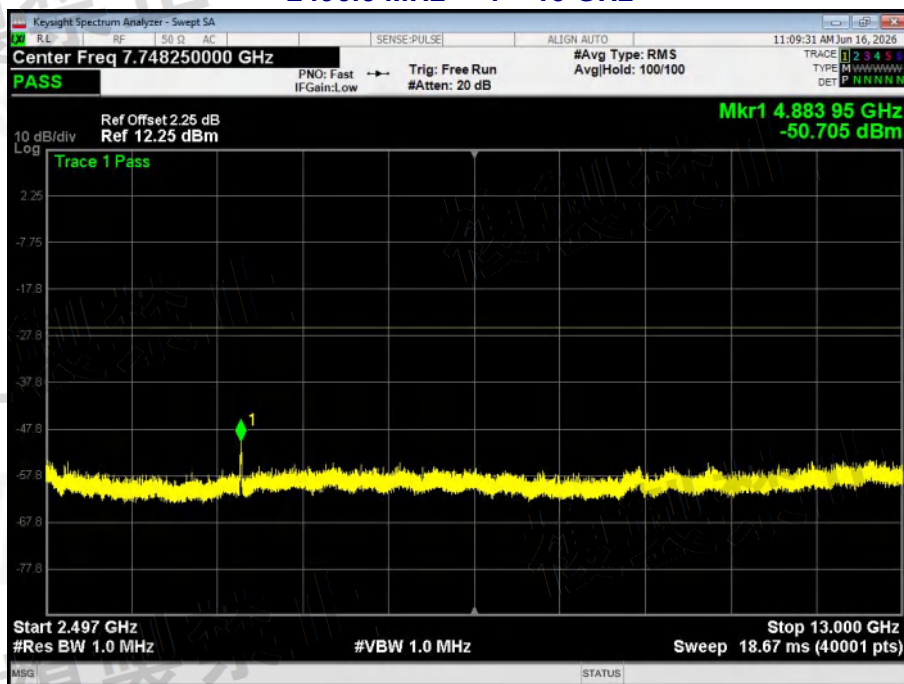


2483.5 MHz ≤ f < 2496.5 MHz





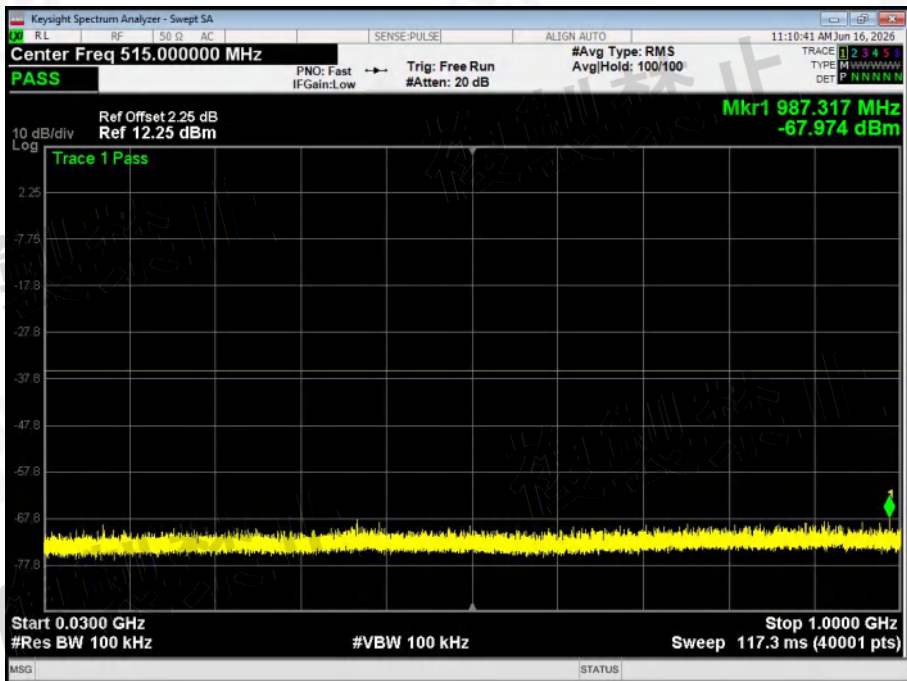
2496.5 MHz $\leq f < 13$ GHz



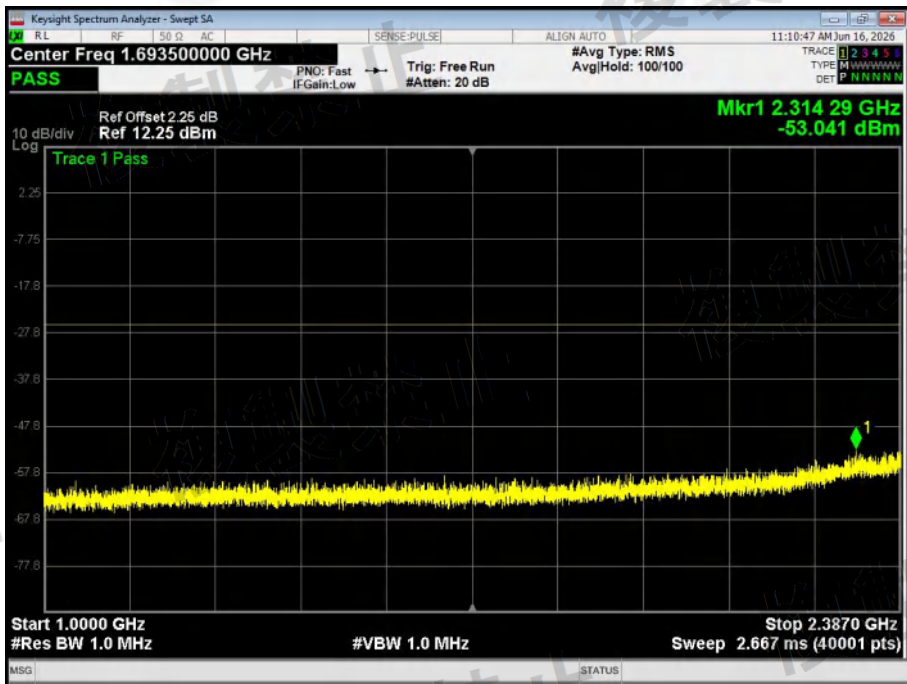


Test voltage	Normal	Test Channel (MHz)	2472.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

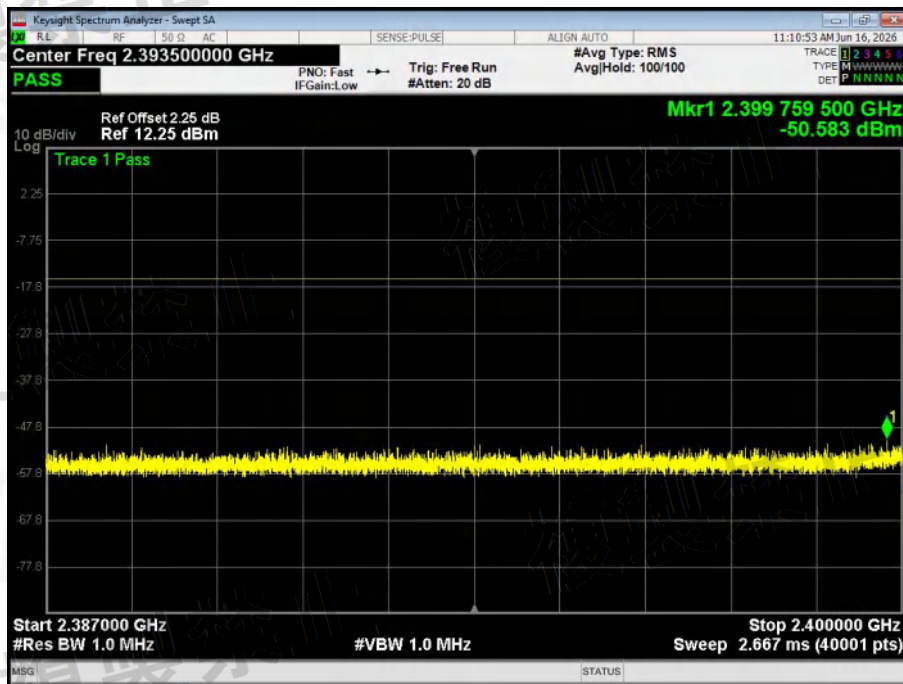


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

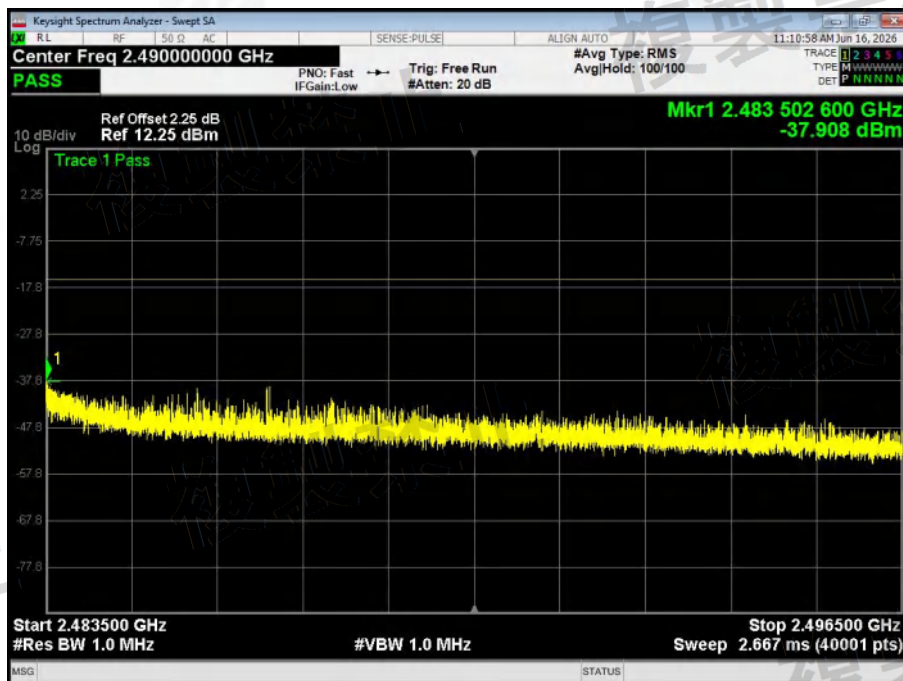




2387 MHz < f ≤ 2400 MHz

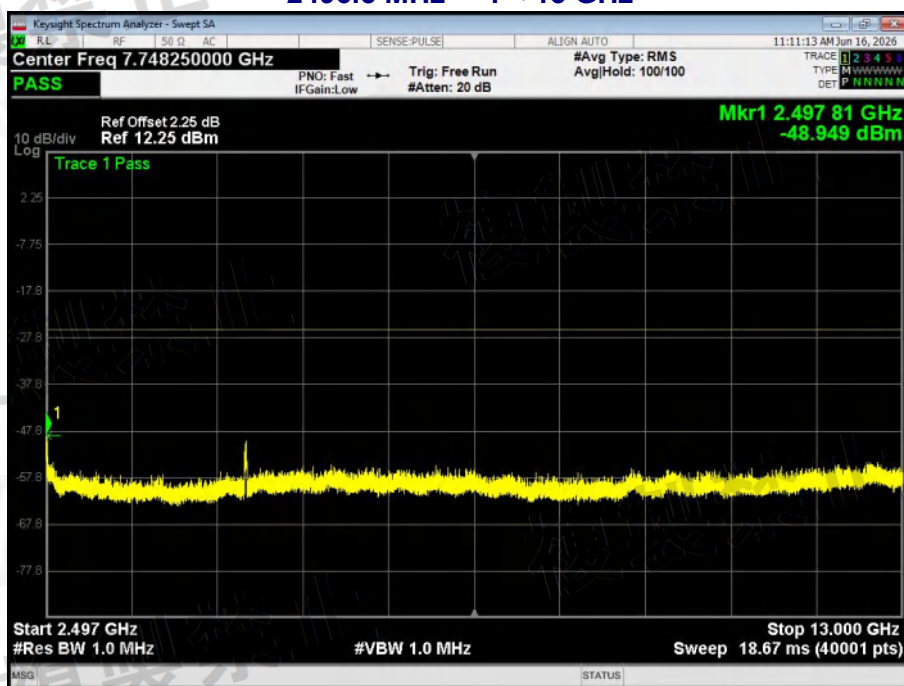


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz

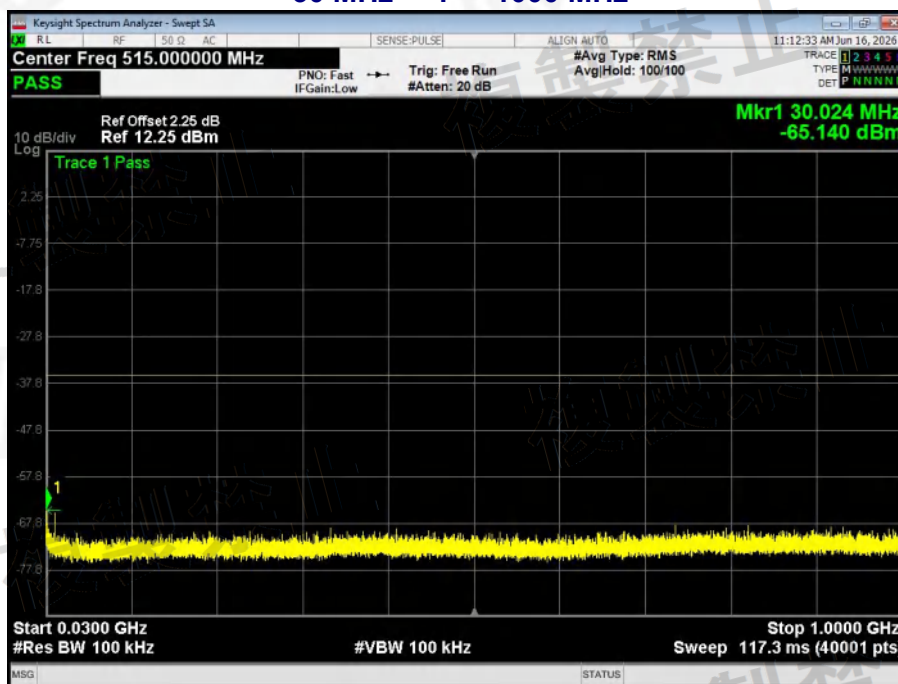




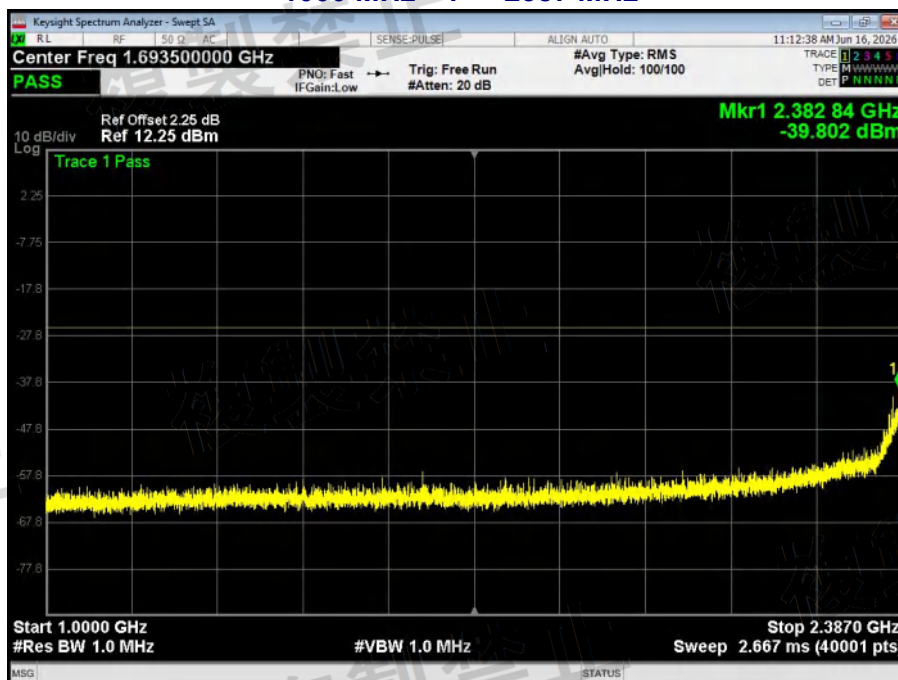
Modulation type: 802.11n40

Test voltage	Normal	Test Channel (MHz)	2422.00
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$30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$

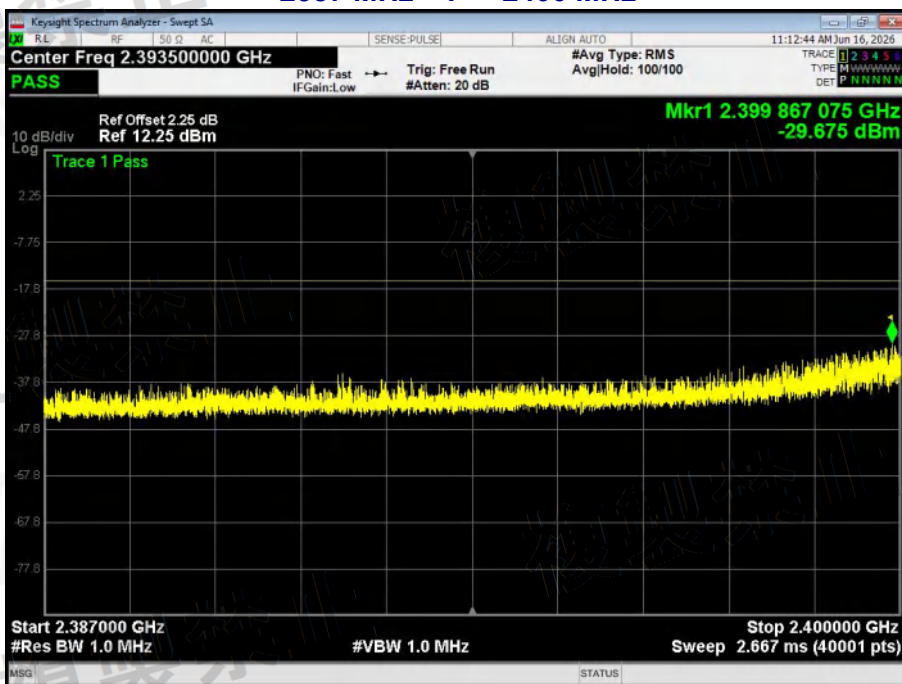


$1000 \text{ MHz} < f \leq 2387 \text{ MHz}$

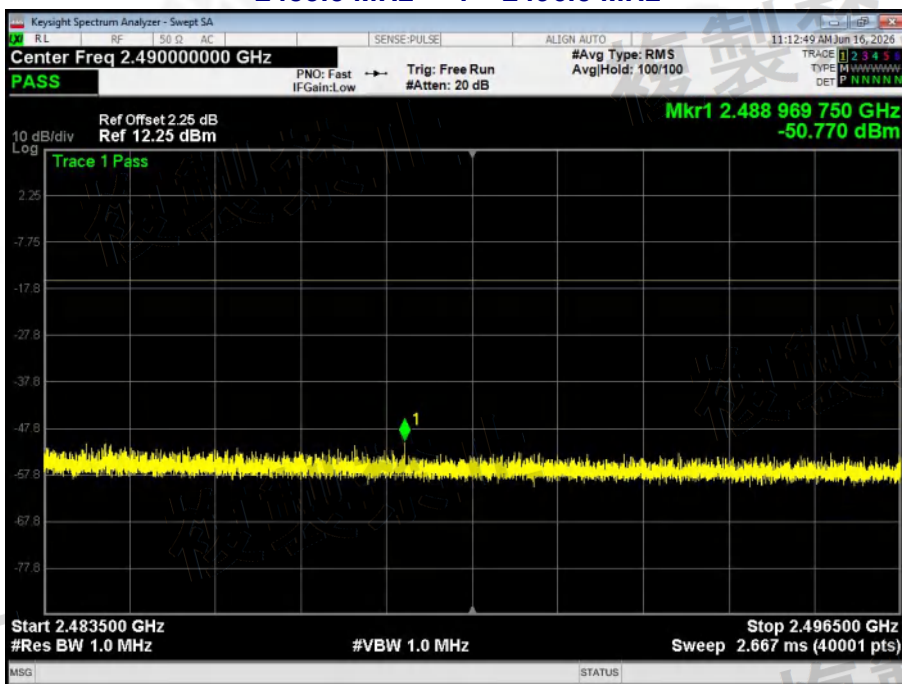




2387 MHz < f ≤ 2400 MHz

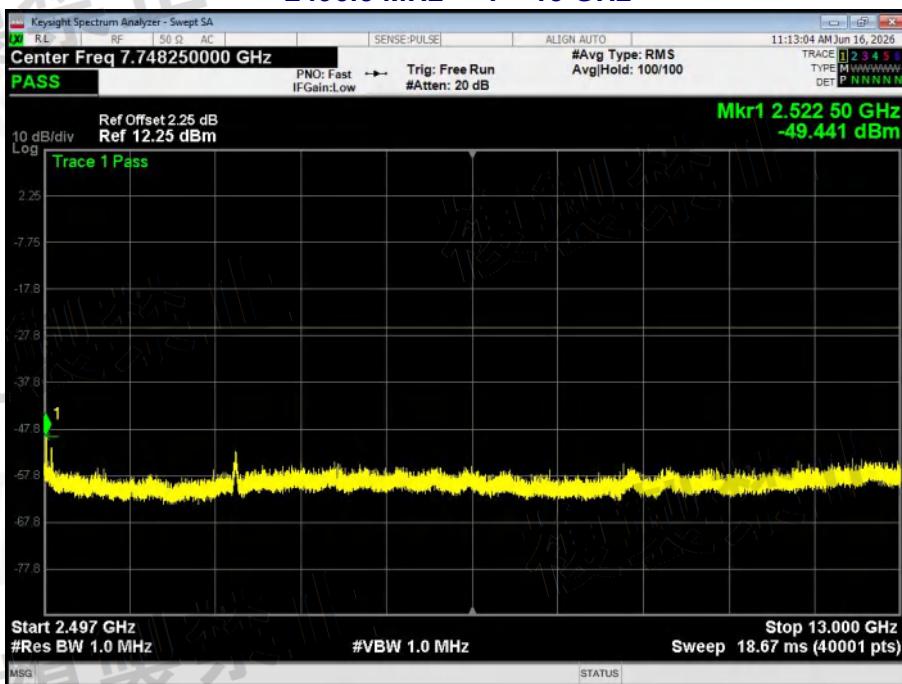


2483.5 MHz ≤ f < 2496.5 MHz





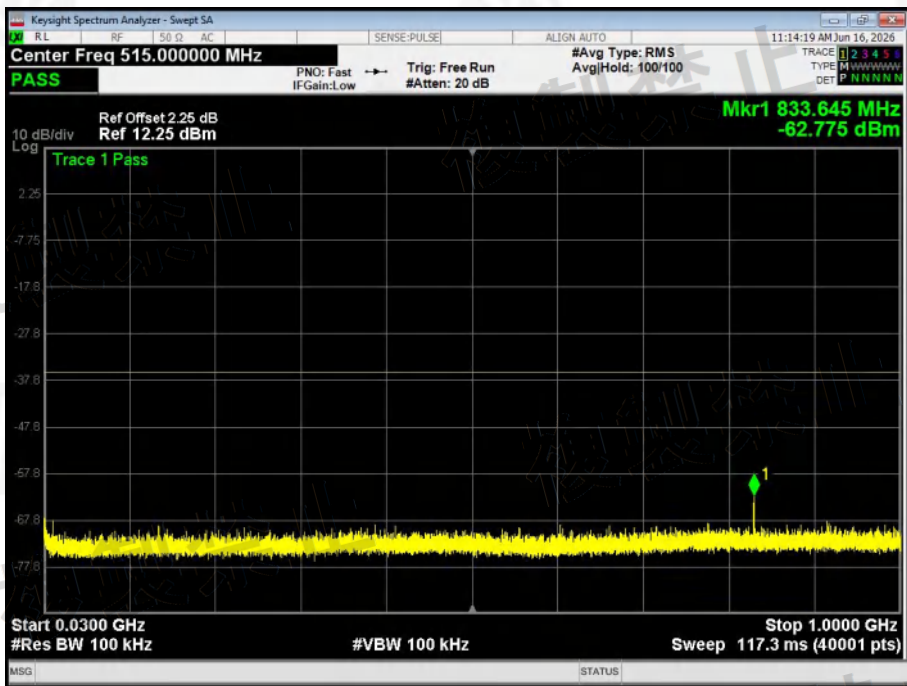
2496.5 MHz $\leq f < 13$ GHz



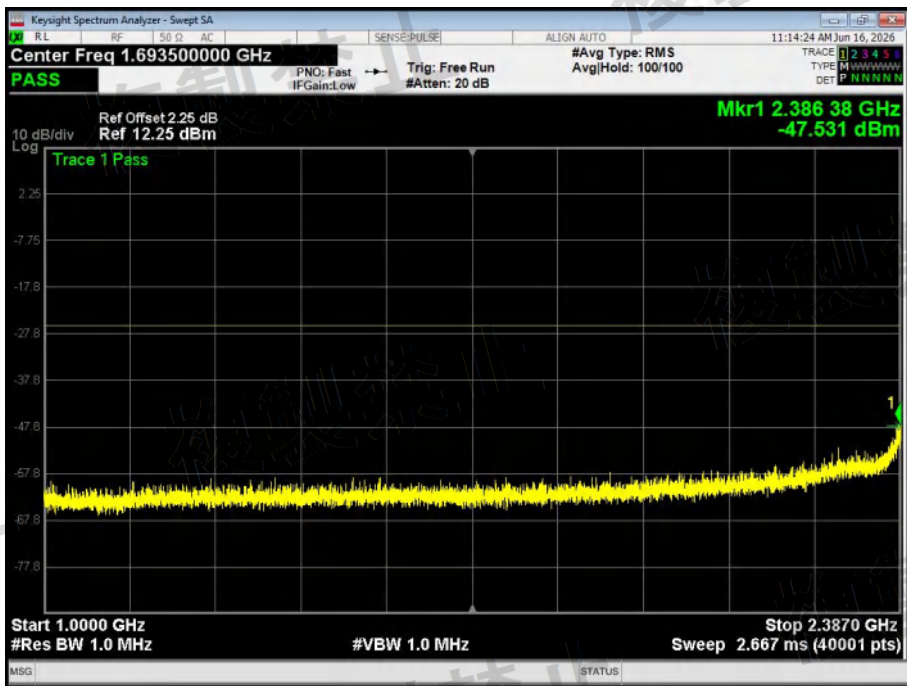


Test voltage	Normal	Channel (MHz)	Test 2442.00
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$$30\text{ MHz} \leq f \leq 1000\text{ MHz}$$

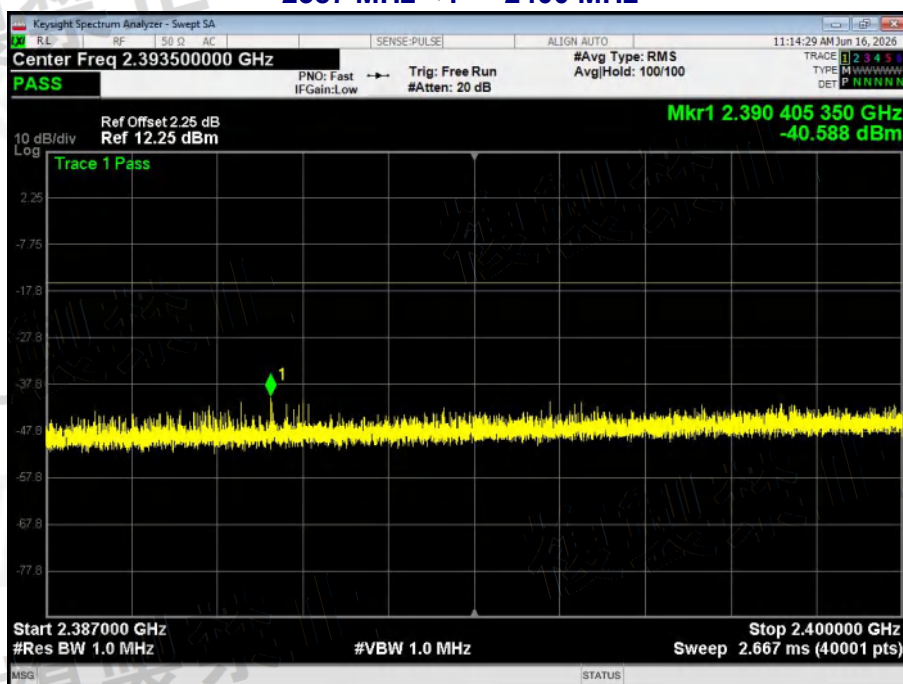


$$1000\text{ MHz} < f \leq 2387\text{ MHz}$$

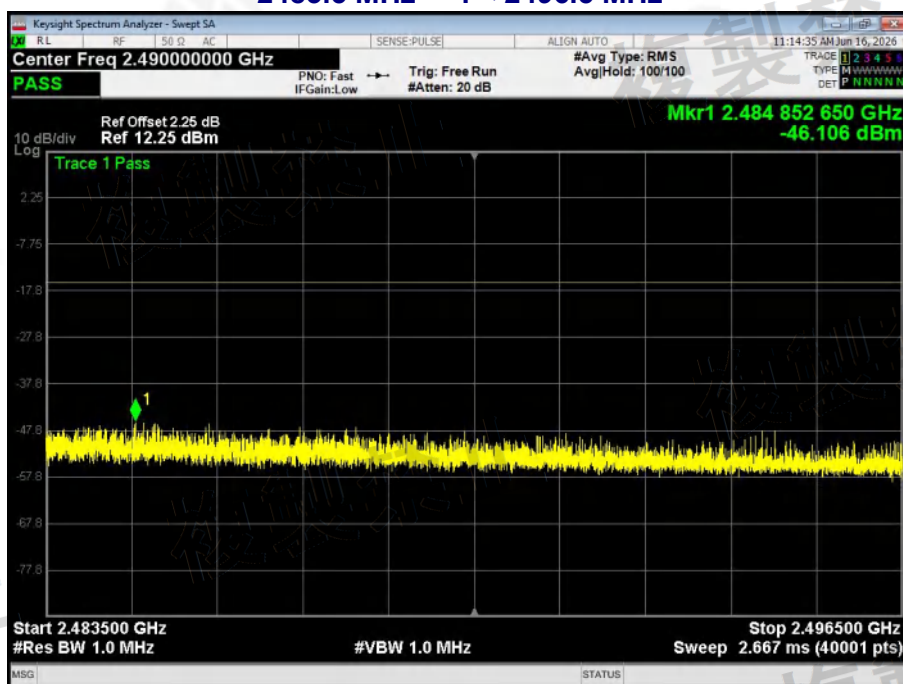




2387 MHz < f ≤ 2400 MHz

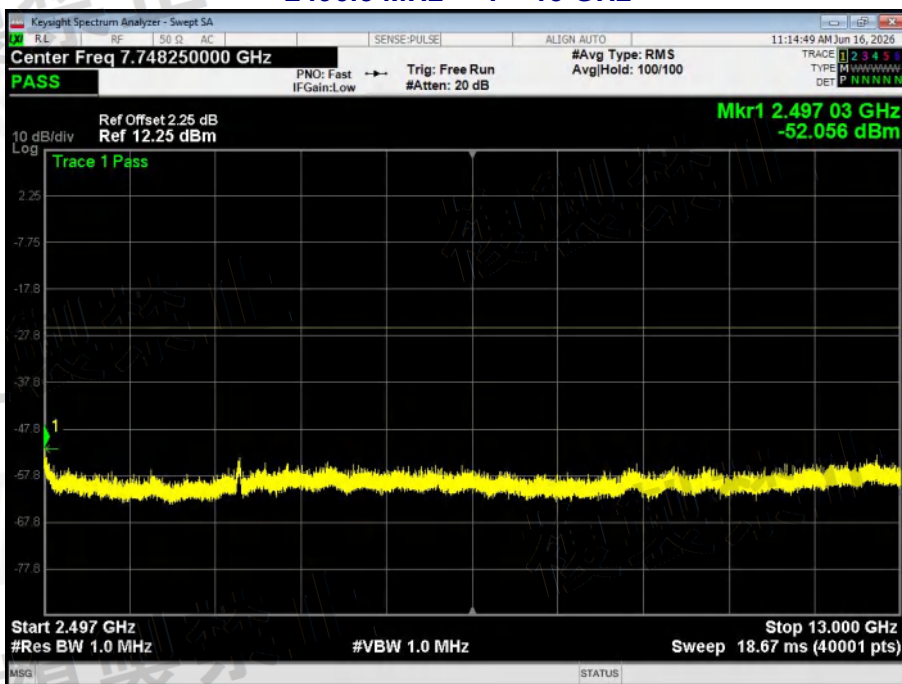


2483.5 MHz ≤ f < 2496.5 MHz





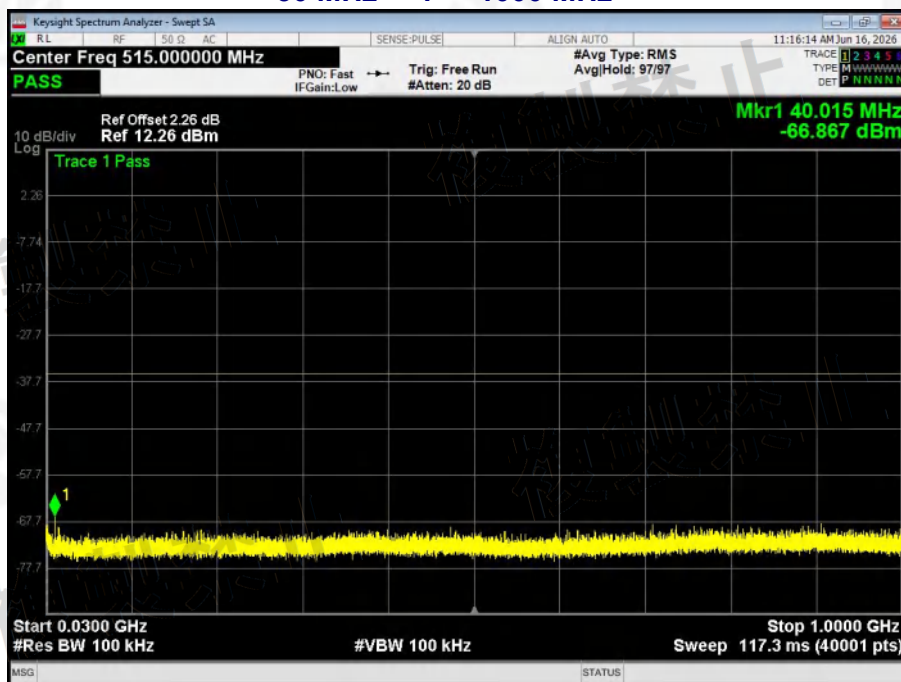
2496.5 MHz $\leq f < 13$ GHz



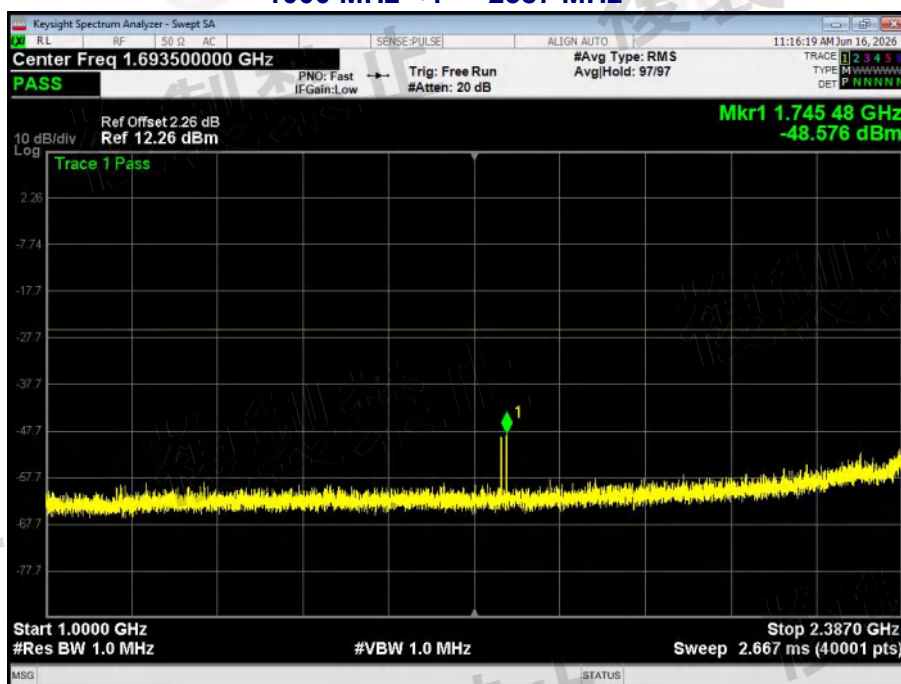


Test voltage	Normal	Test Channel (MHz)	2462.00
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$30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$



$1000 \text{ MHz} < f \leq 2387 \text{ MHz}$

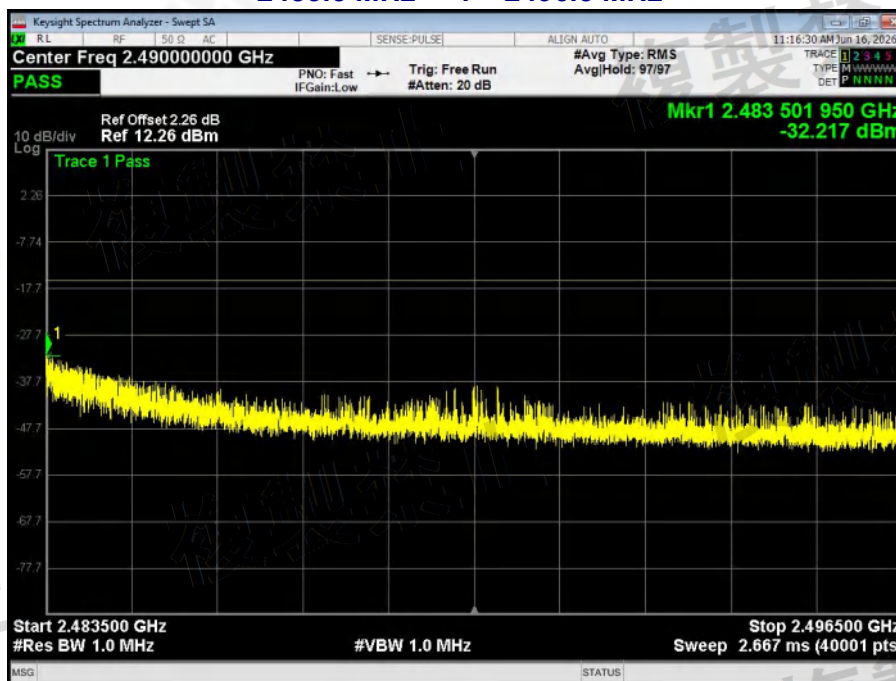




2387 MHz < f ≤ 2400 MHz

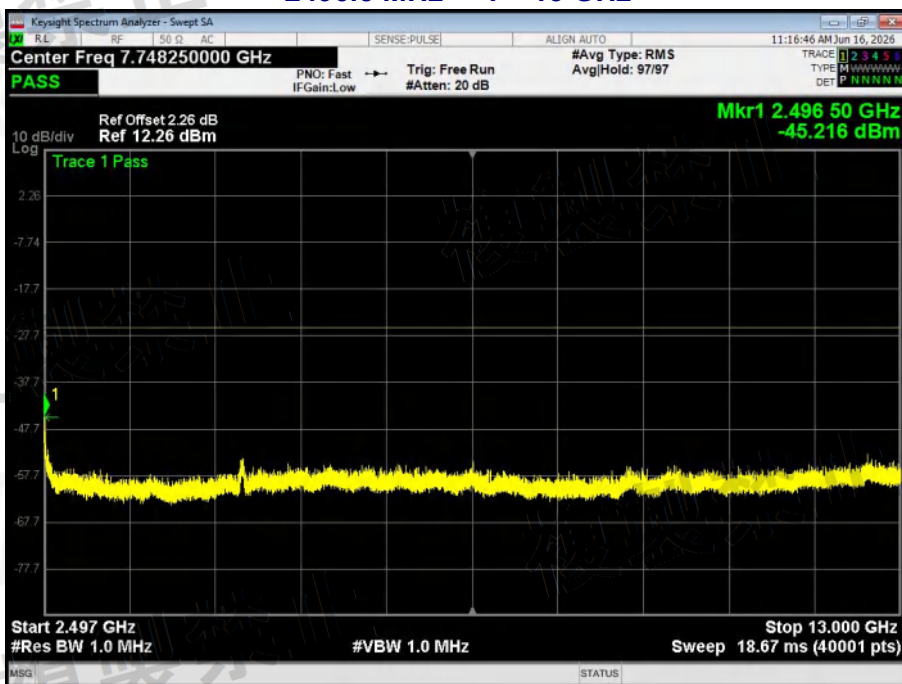


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz

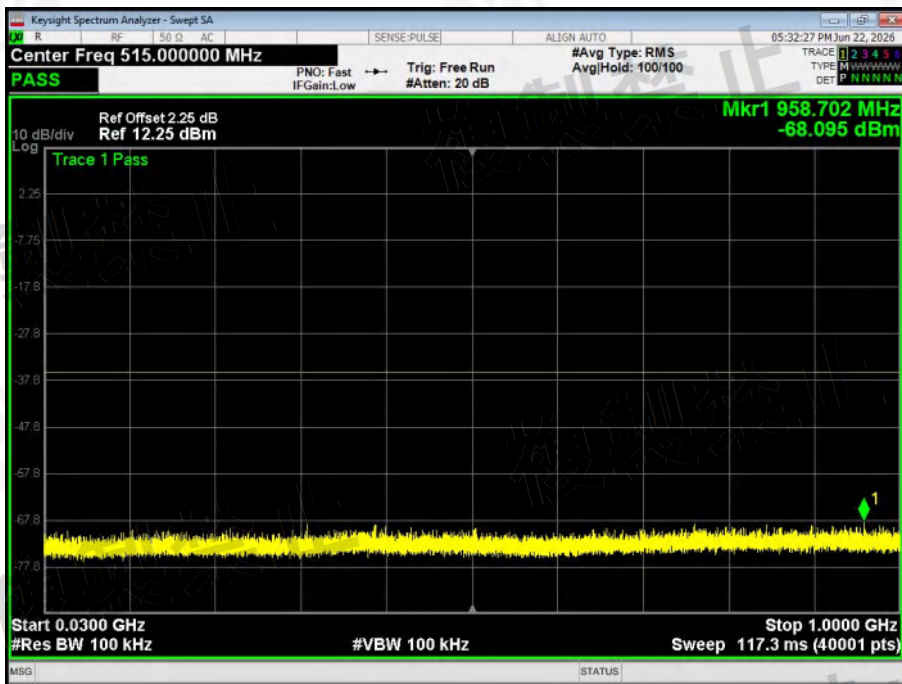




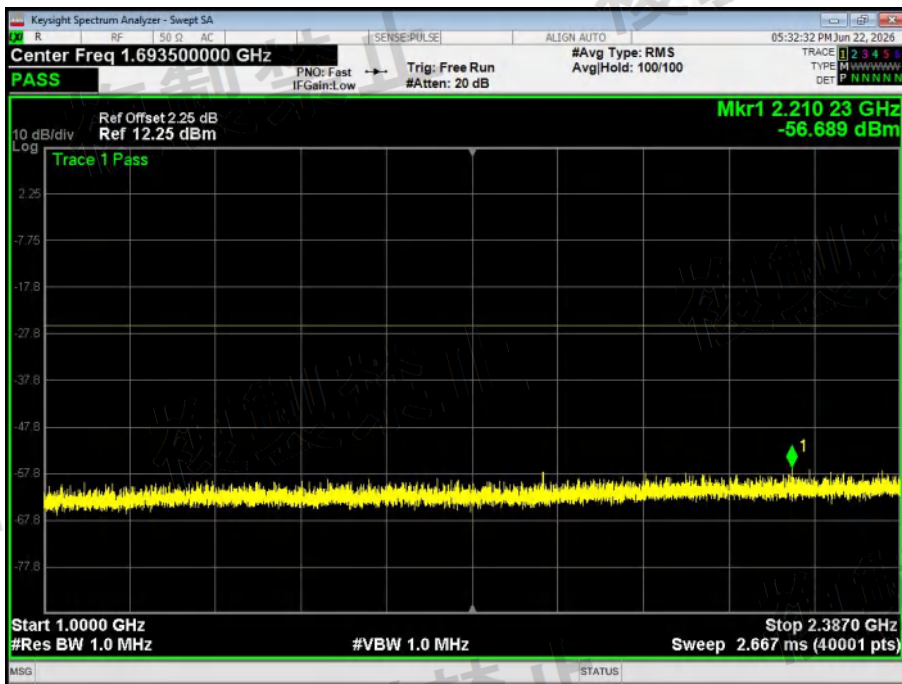
Modulation type: 802.11ax20

Test voltage	Normal	Test Channel (MHz)	2412.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

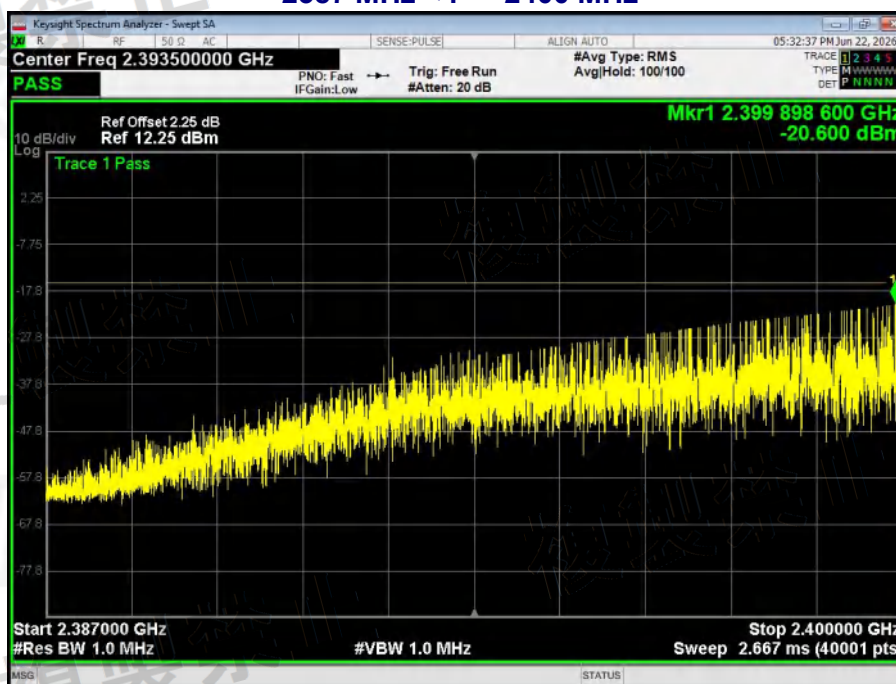


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

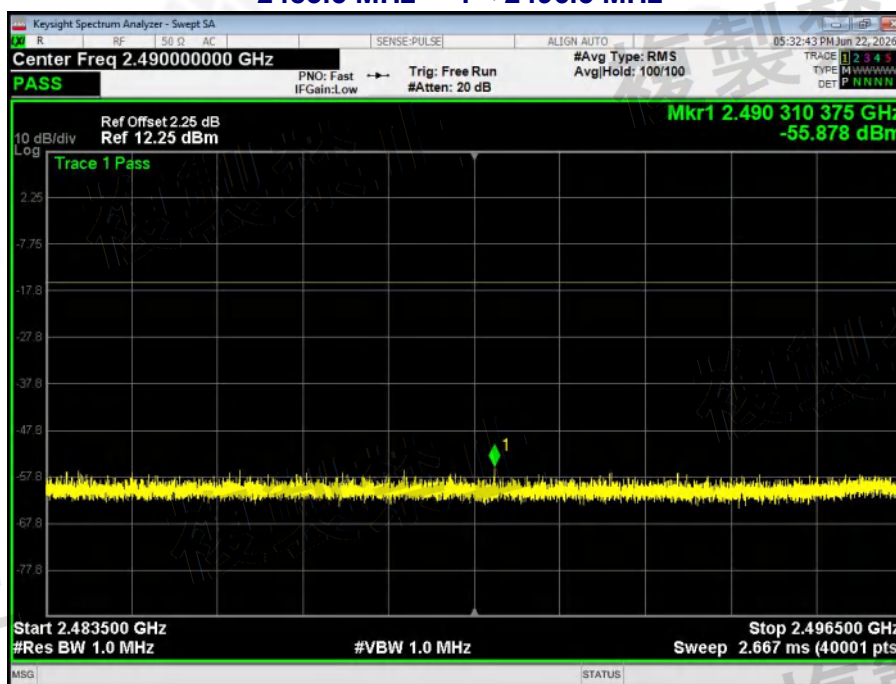




2387 MHz < f ≤ 2400 MHz

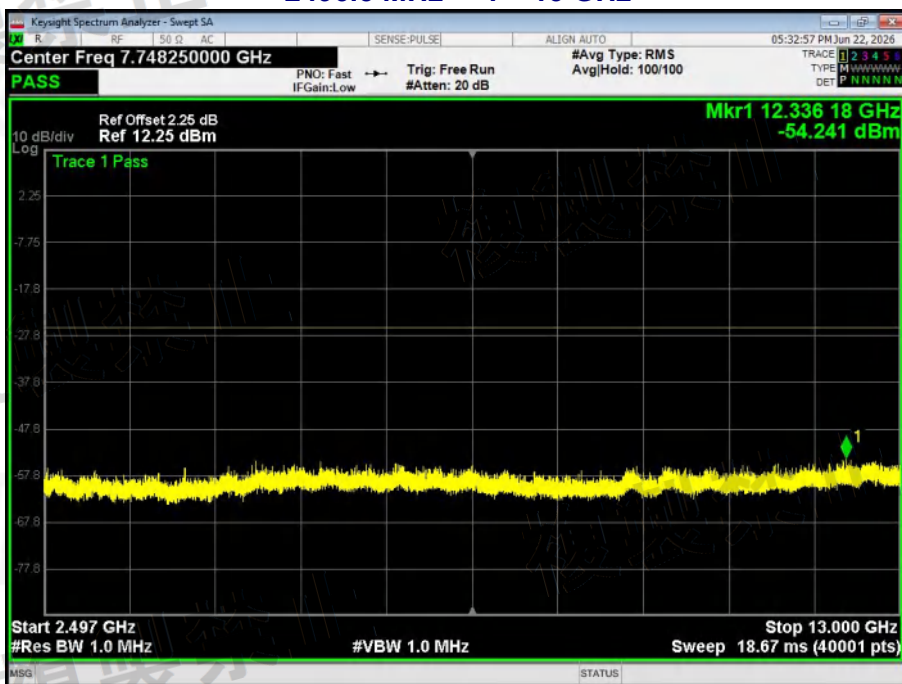


2483.5 MHz ≤ f < 2496.5 MHz





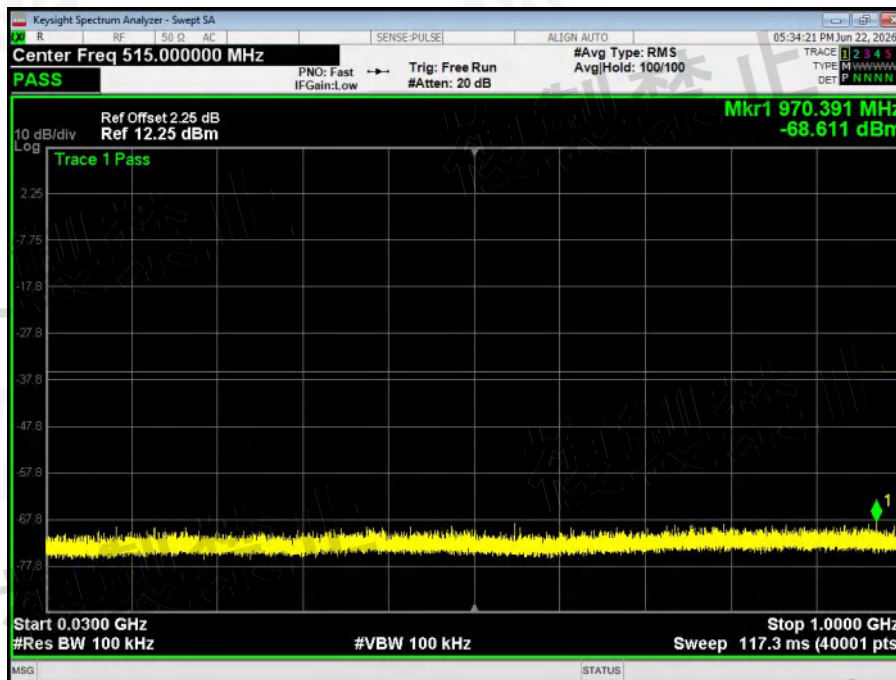
2496.5 MHz $\leq f < 13$ GHz



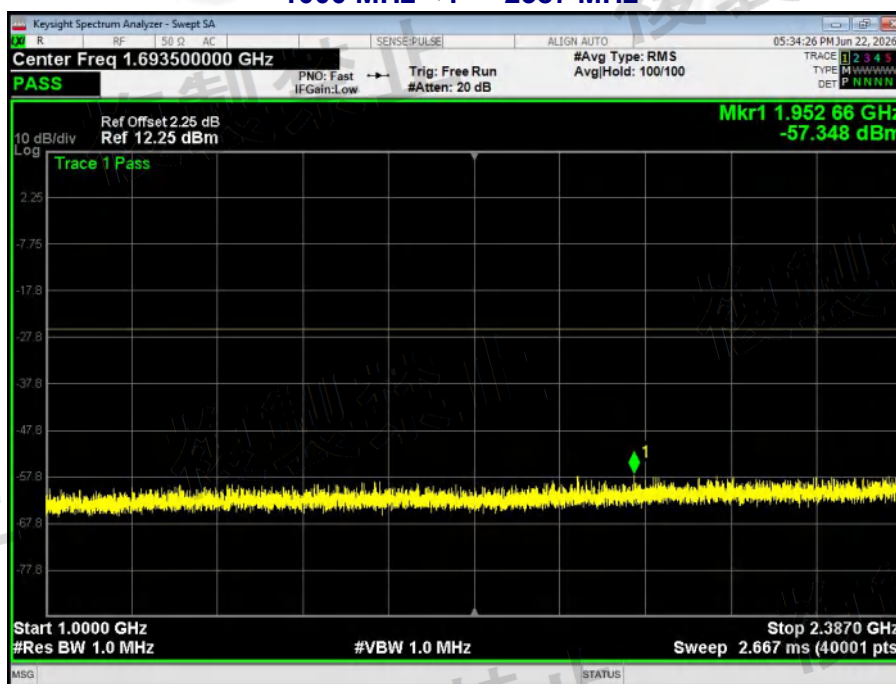


Test voltage	Normal	Test Channel (MHz)	2442.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

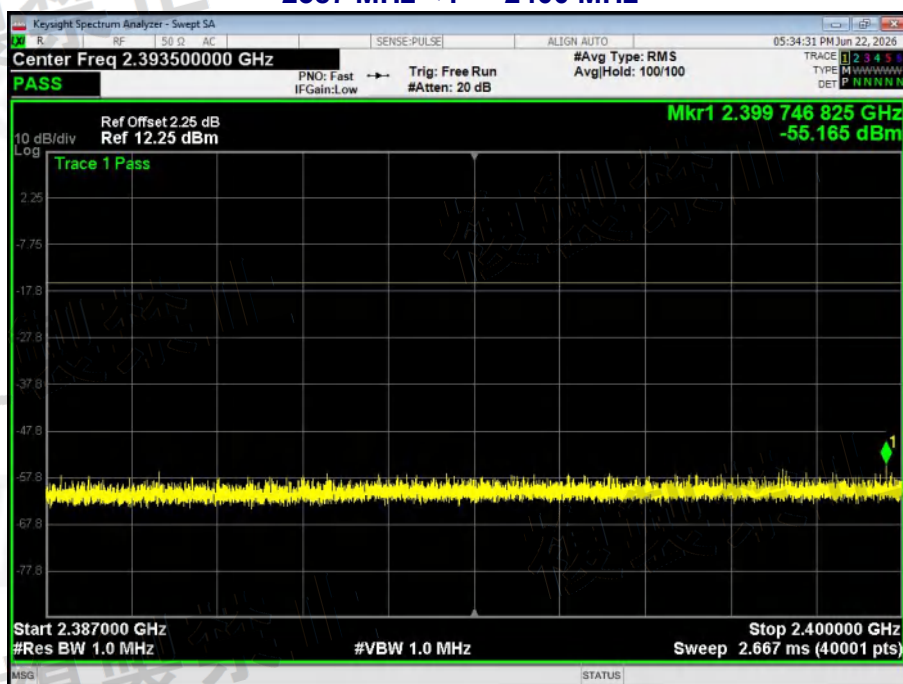


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

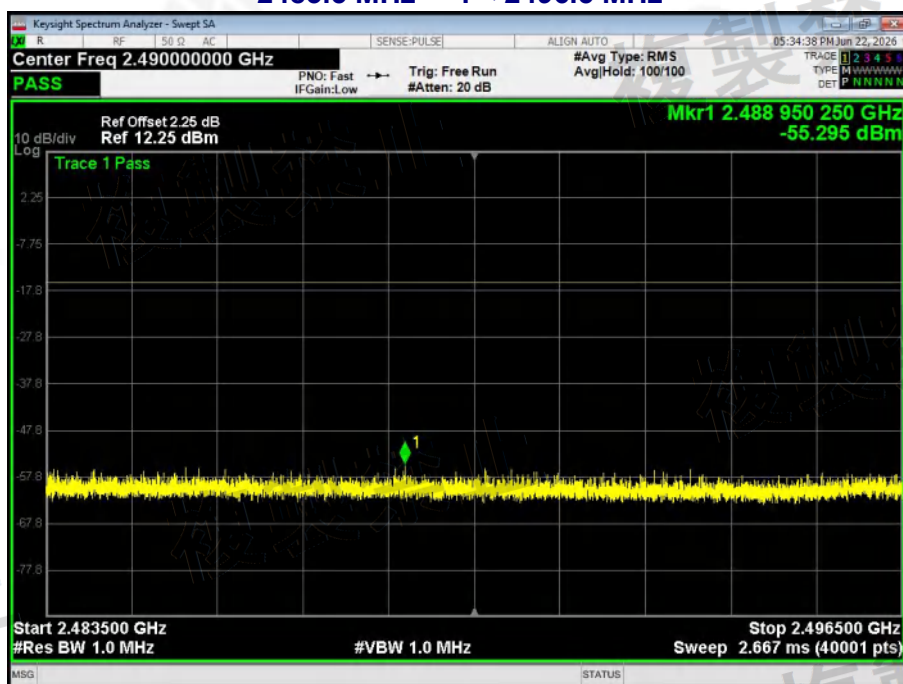




2387 MHz < f ≤ 2400 MHz

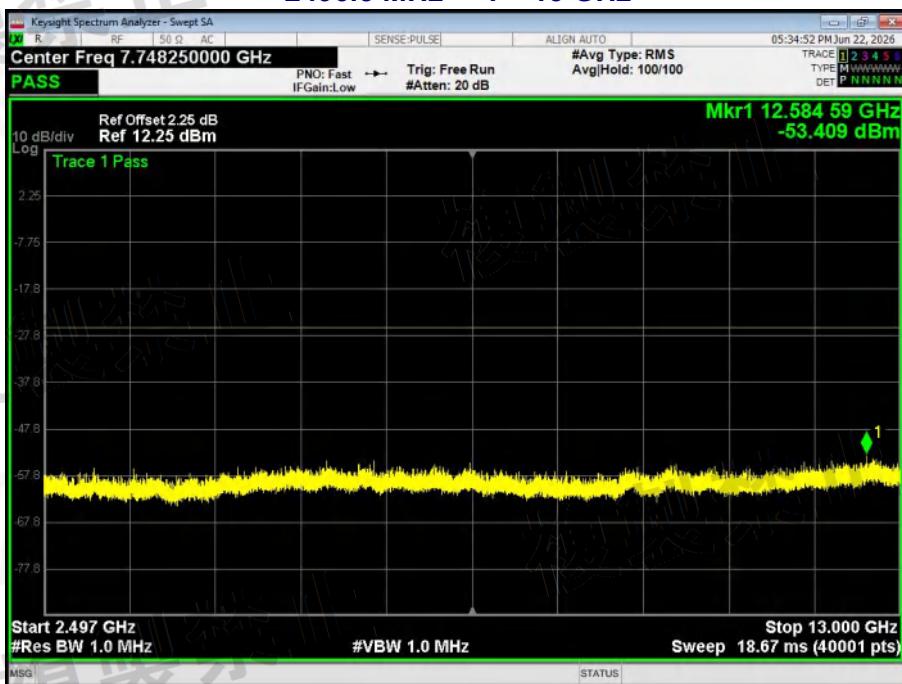


2483.5 MHz ≤ f < 2496.5 MHz





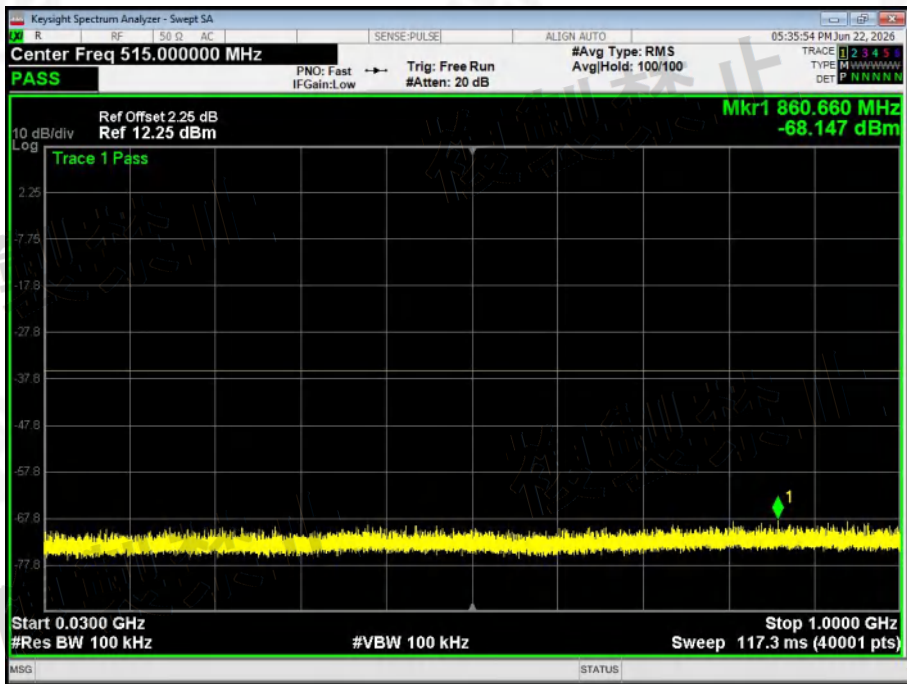
2496.5 MHz $\leq f < 13$ GHz



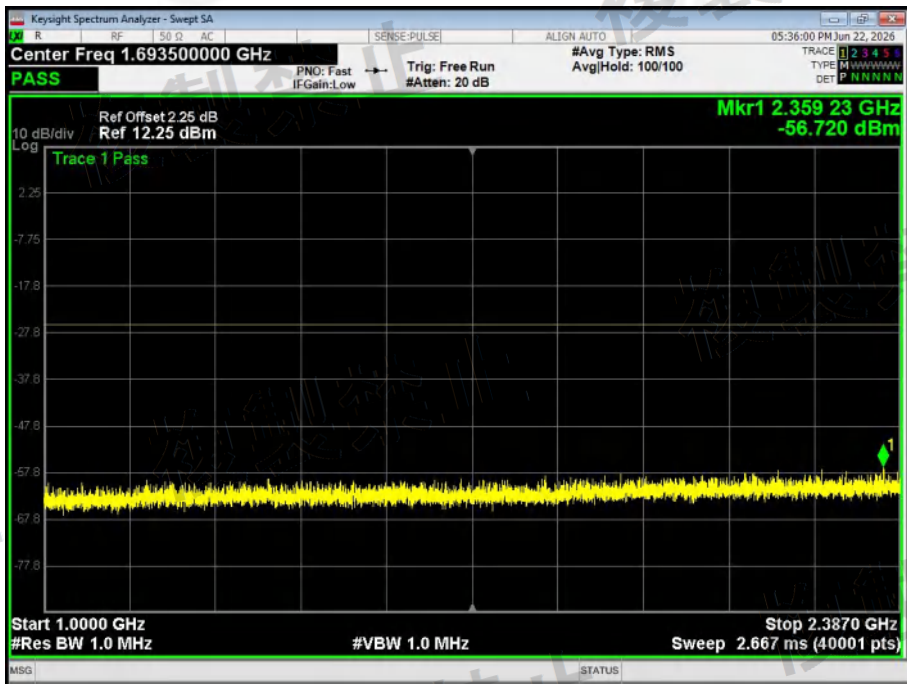


Test voltage	Normal	Test Channel (MHz)	2472.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

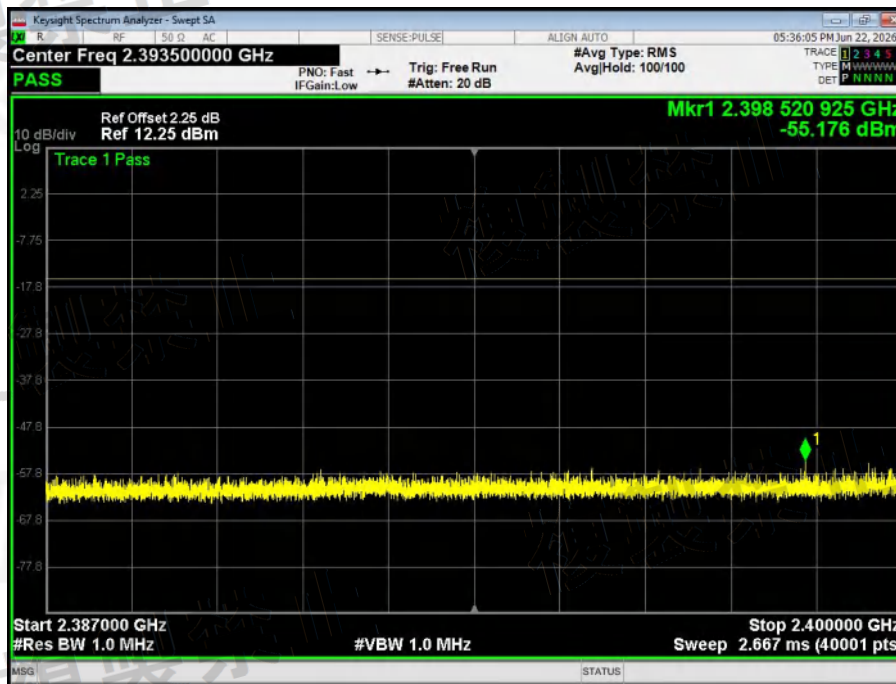


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

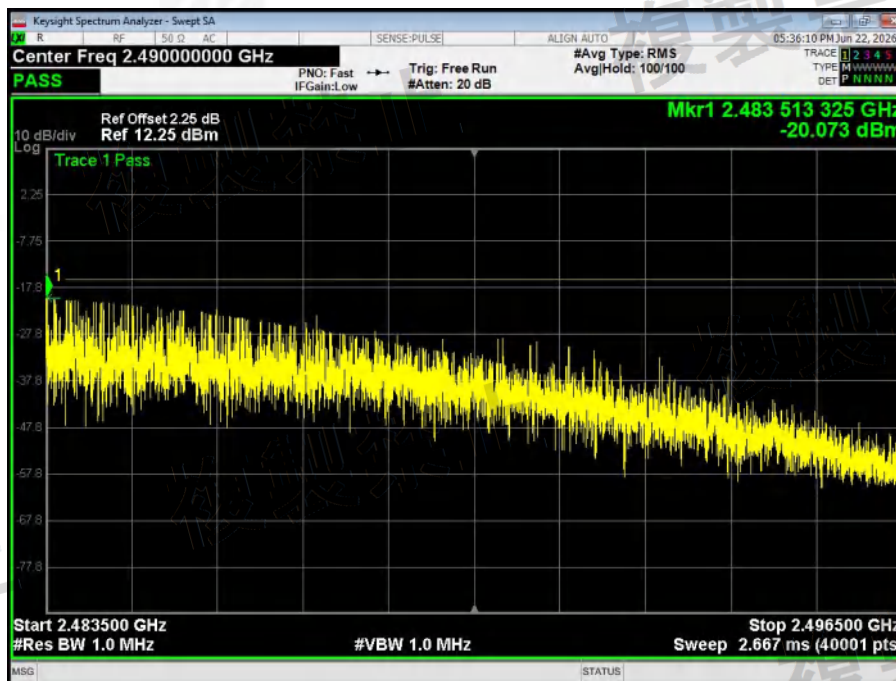




2387 MHz < f ≤ 2400 MHz

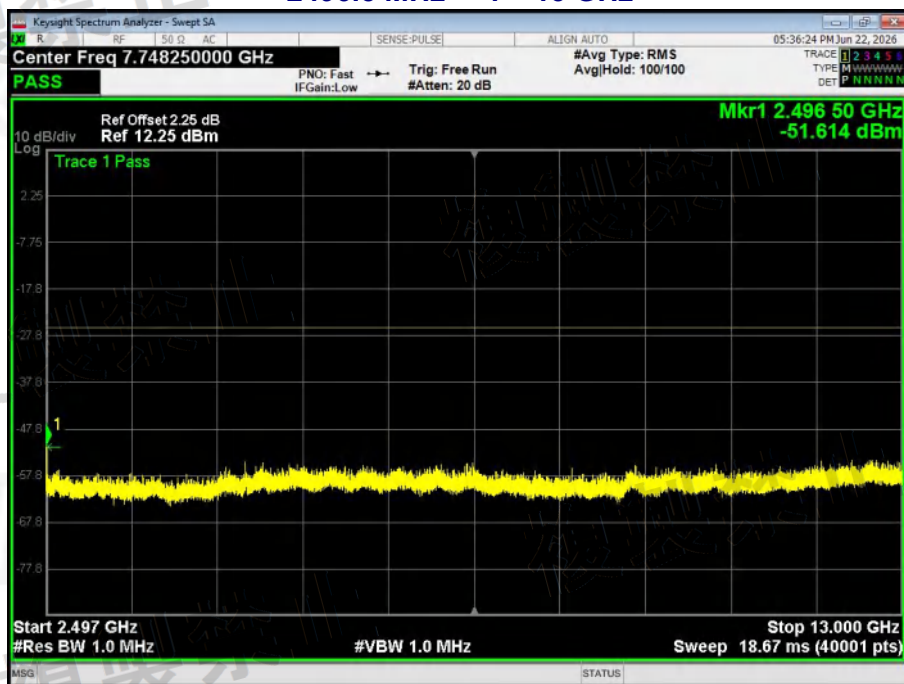


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz

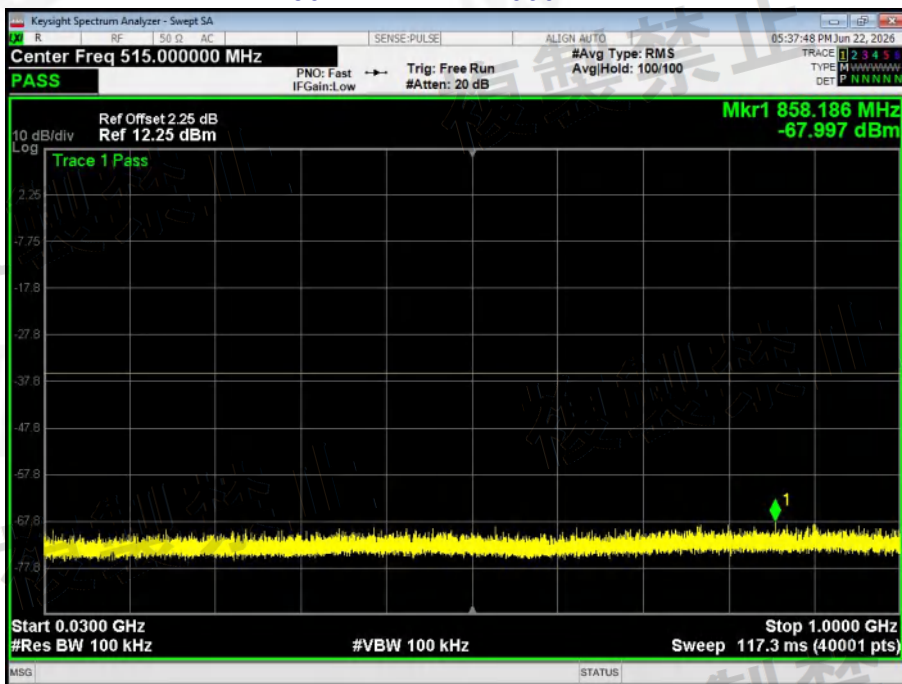




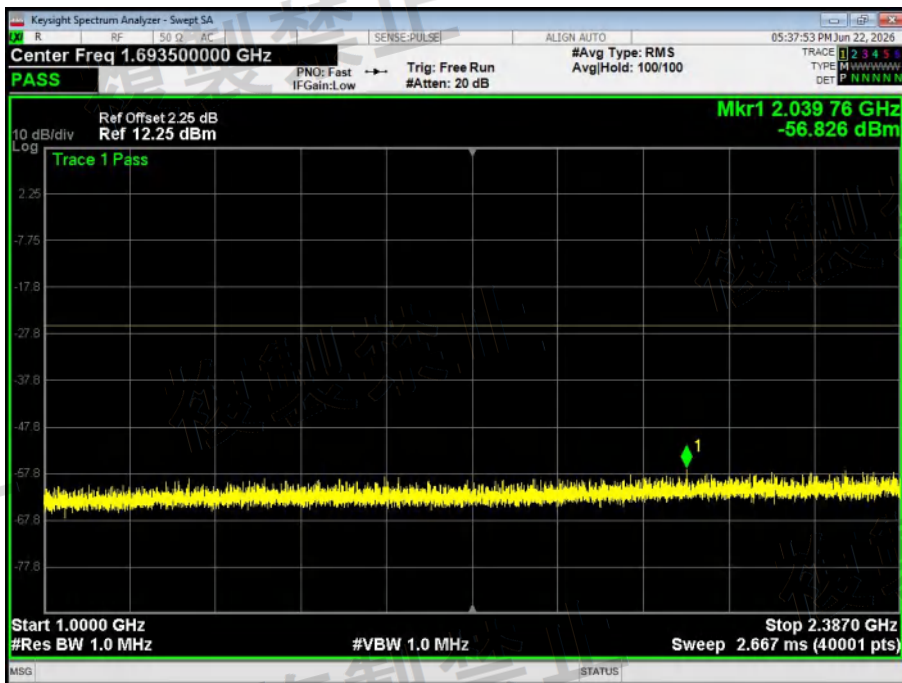
Modulation type: 802.11ax40

Test voltage	Normal	Test Channel (MHz)	2422.00
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$30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$

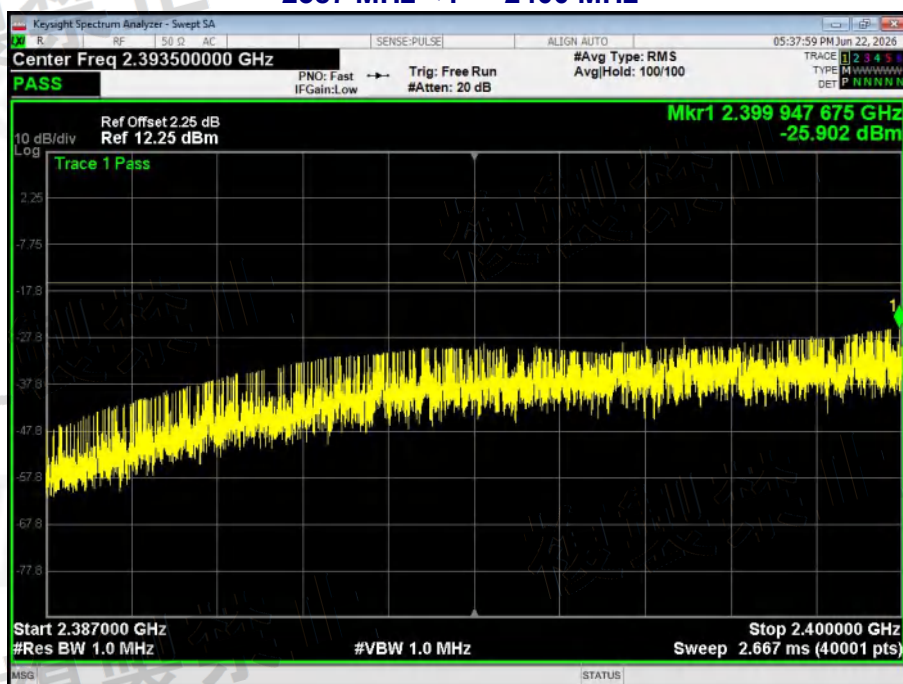


$1000 \text{ MHz} < f \leq 2387 \text{ MHz}$

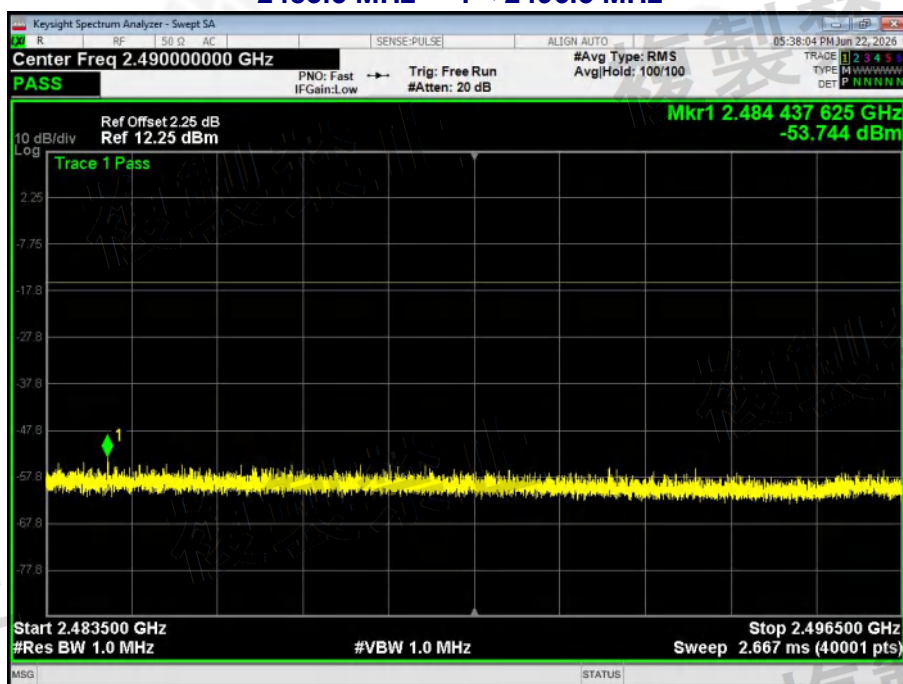




2387 MHz < f ≤ 2400 MHz

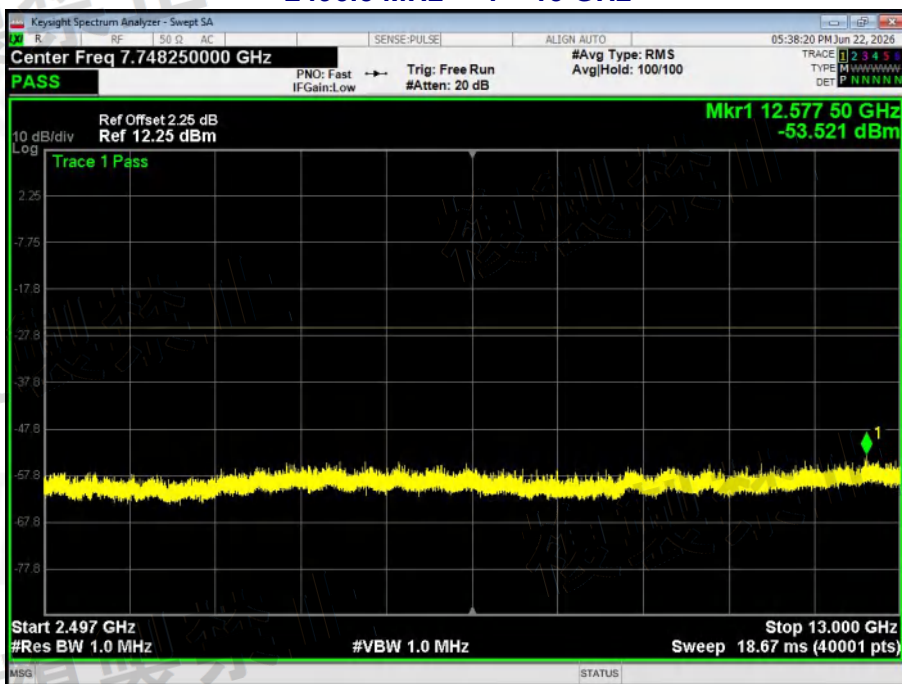


2483.5 MHz ≤ f < 2496.5 MHz





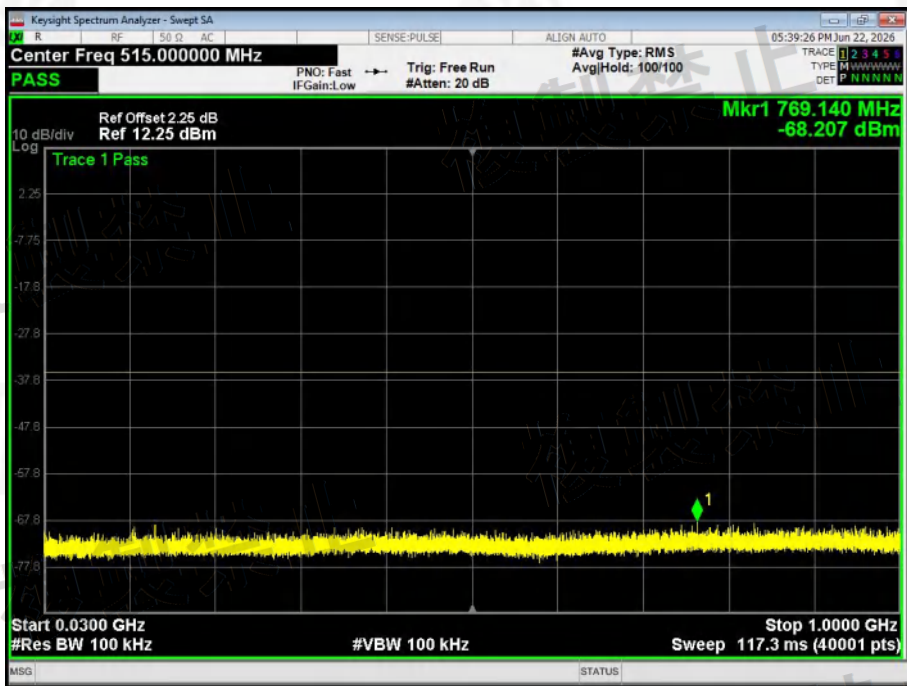
2496.5 MHz $\leq f < 13$ GHz



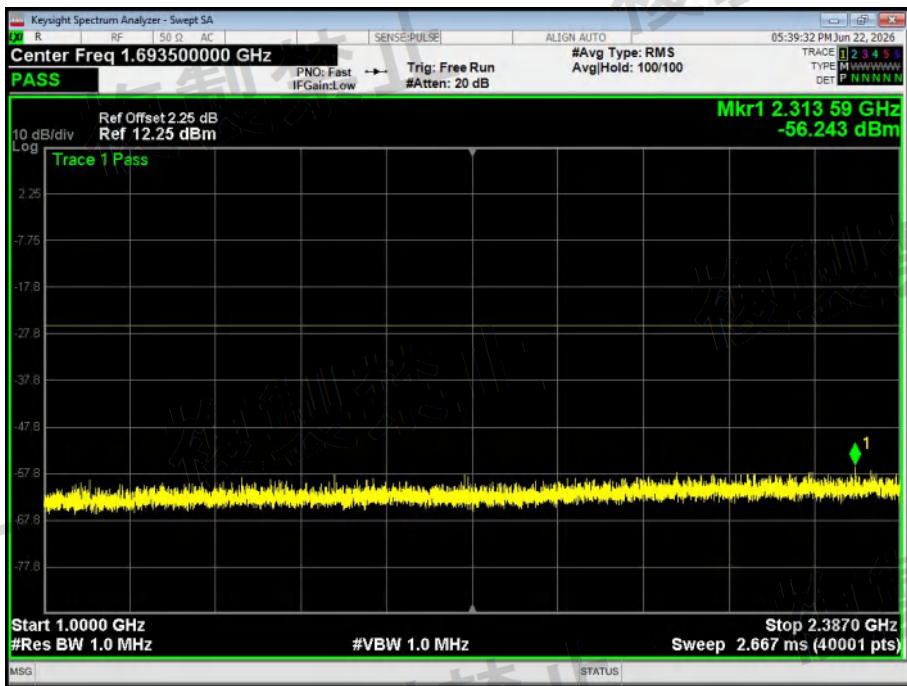


Test voltage	Normal	Channel (MHz)	Test 2442.00
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$$30\text{ MHz} \leq f \leq 1000\text{ MHz}$$

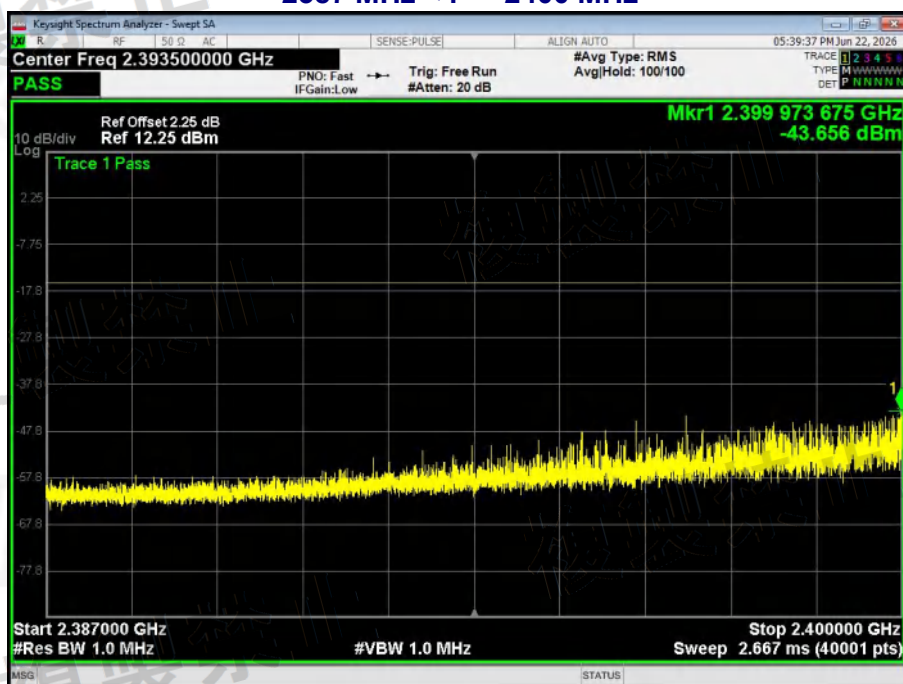


$$1000\text{ MHz} < f \leq 2387\text{ MHz}$$

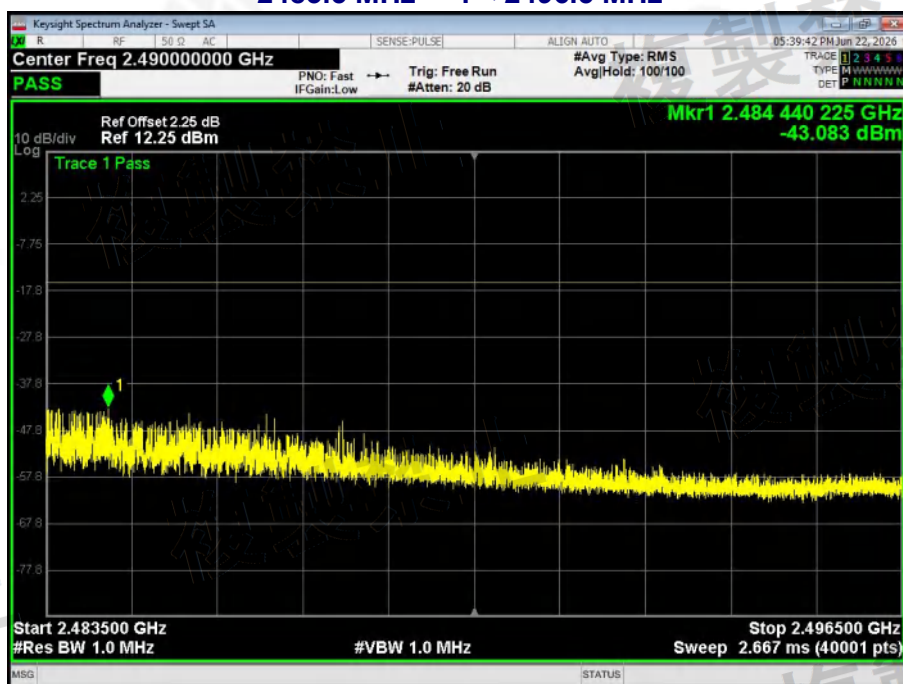




2387 MHz < f ≤ 2400 MHz

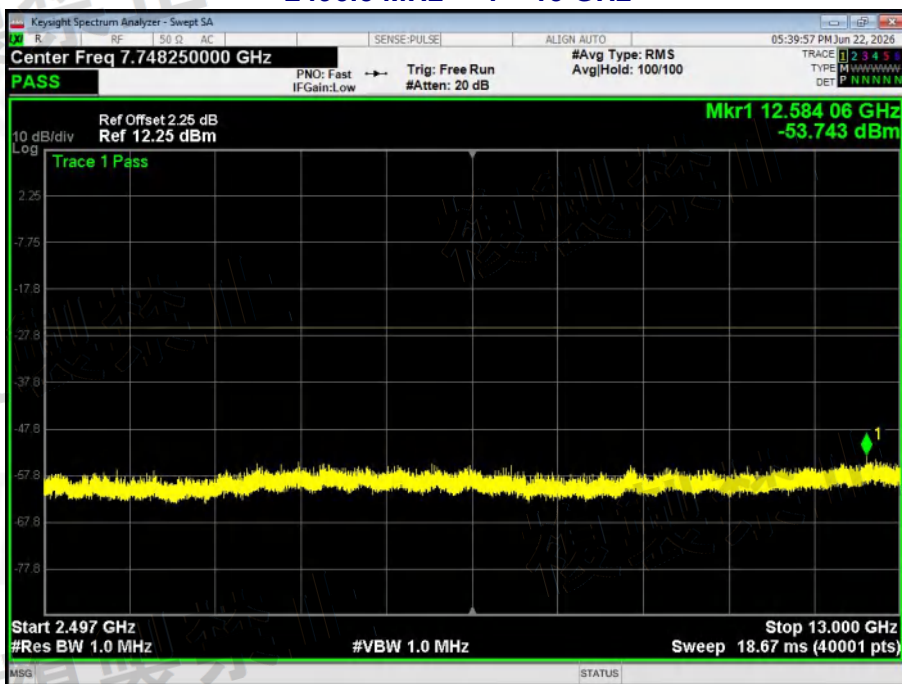


2483.5 MHz ≤ f < 2496.5 MHz





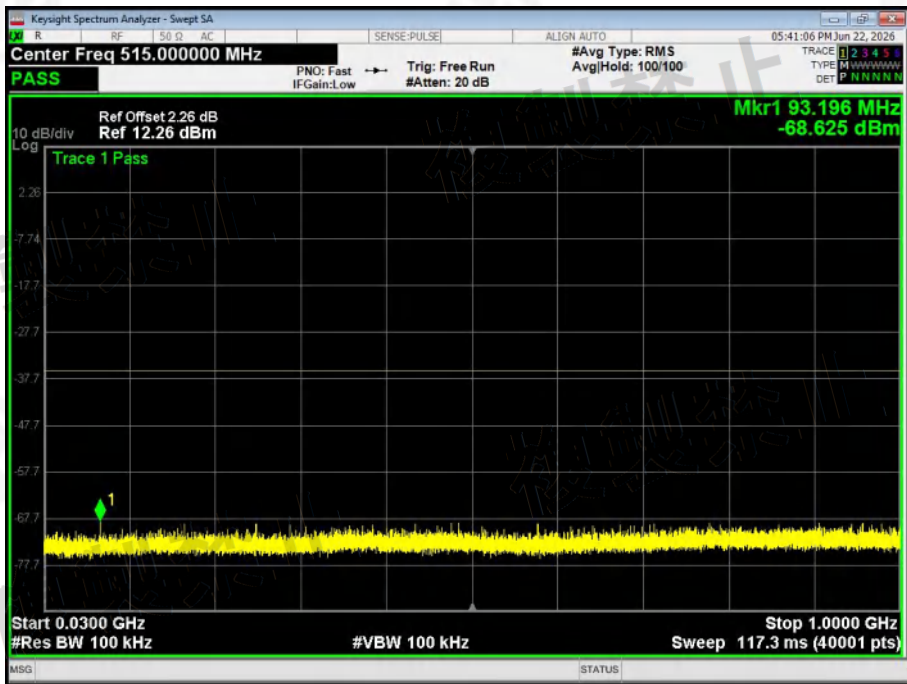
2496.5 MHz $\leq f < 13$ GHz



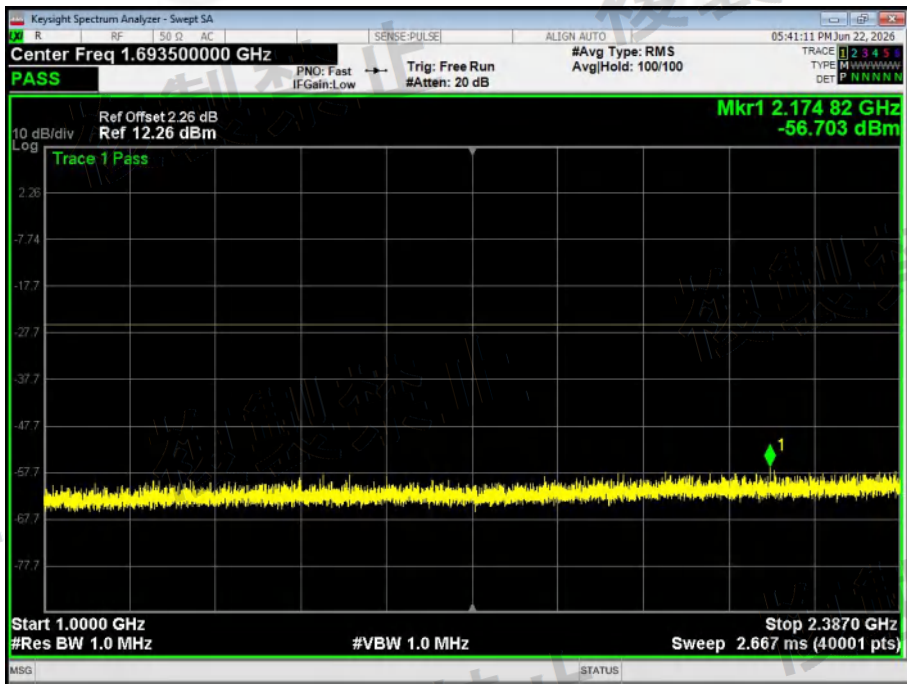


Test voltage	Normal	Test Channel (MHz)	2462.00
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$30\text{ MHz} \leq f \leq 1000\text{ MHz}$

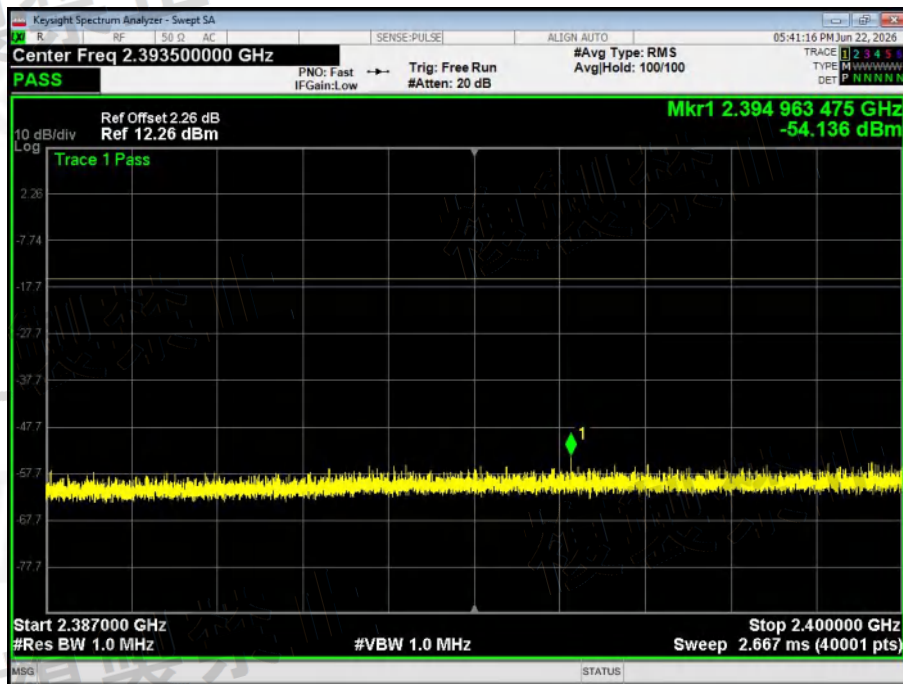


$1000\text{ MHz} < f \leq 2387\text{ MHz}$

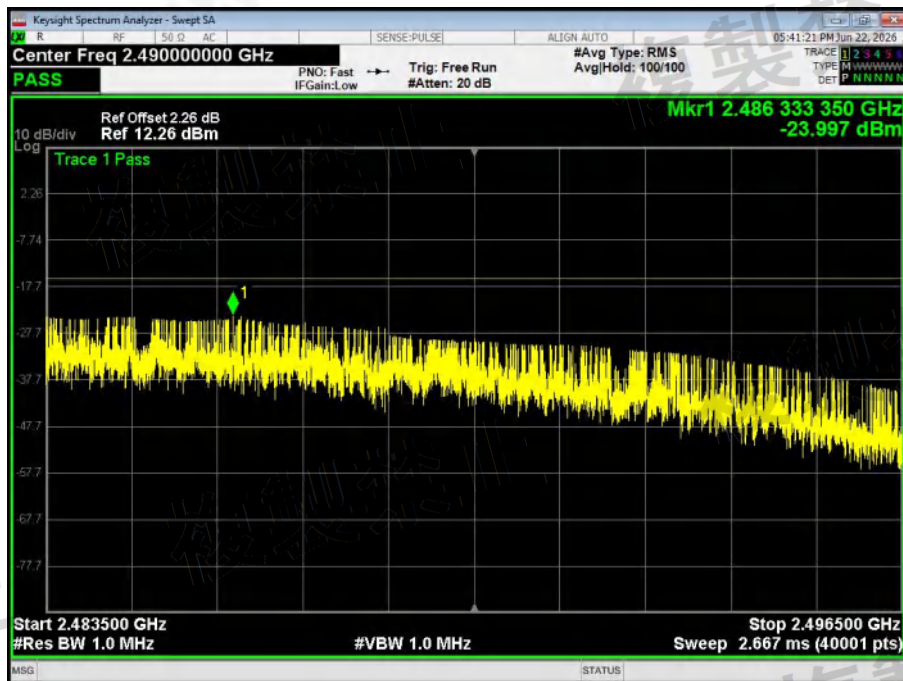




2387 MHz < f ≤ 2400 MHz

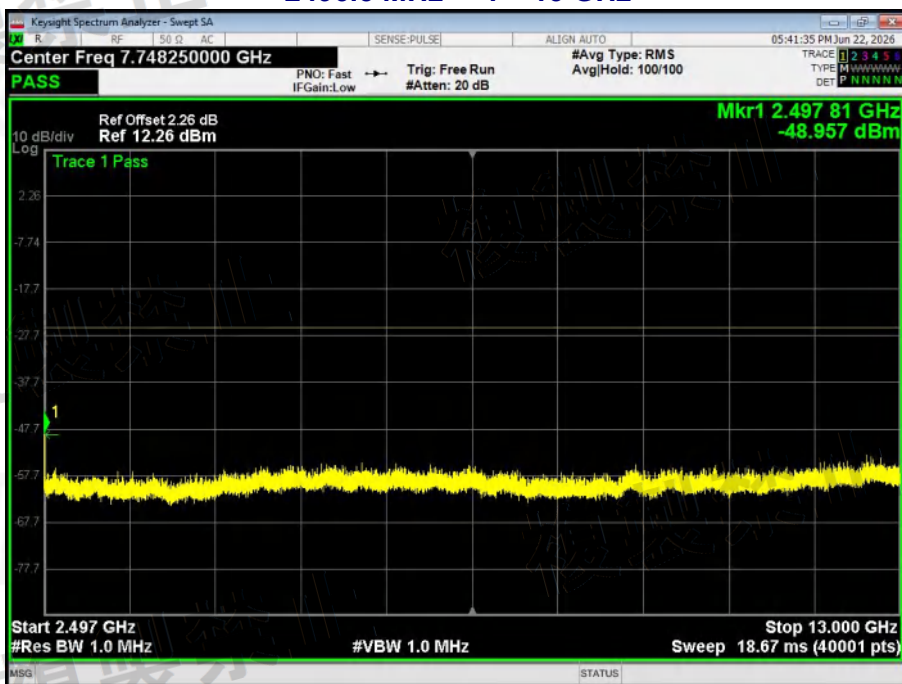


2483.5 MHz ≤ f < 2496.5 MHz





2496.5 MHz $\leq f < 13$ GHz





5.4 ANTENNA POWER ERROR MEASUREMENT & EIRP POWER

5.4.1 LIMIT

Item	Limits
Antenna Power Density	IEEE 802.11b/g/n20/ax20: 10mW/MHz IEEE 802.11n4/ax40: 5mW/MHz
EIRP Power	IEEE 802.11b/g/n20/ax20: 12.14dBm/MHz IEEE 802.11n40/ax40: 9.13dBm/MHz
Antenna Power Error	+20% (No lower limit)

5.4.2 TEST PROCEDURES

1. A power meter is connected on the EUT
2. The power meter indicates the measured power density "E".
3. Calculate antenna power density by the formula below $PD = Pt + 10 \cdot \log(1/x)$.
x: The duty cycle of the EUT in continuously transmitting mode(there the is duty cycle is 100%)
Pt: Output power of the SSG
4. Antenna Power Error is definition that actual measure antenna power tolerance +20% (No lower limit) power range that base on manufacturer declare the conducted power density.

5.4.3 TEST SETUP LAYOUT



5.4.4 EST DEVIATION

There is no deviation with the original standard.

5.4.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

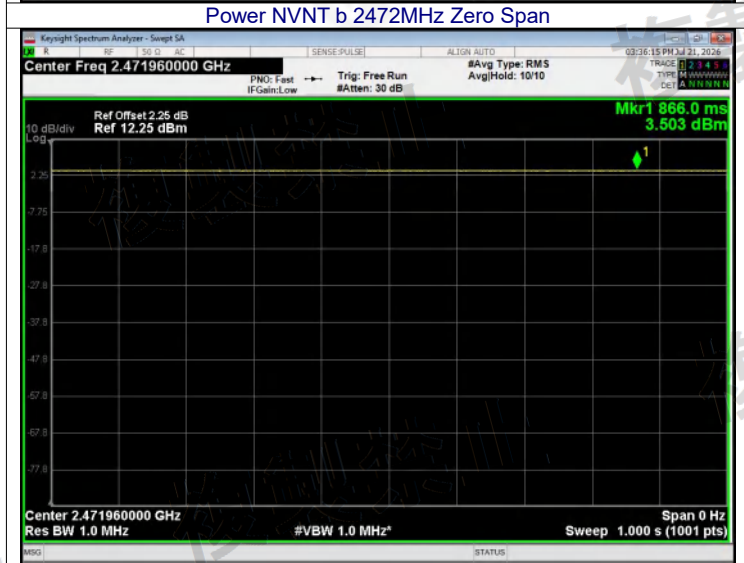
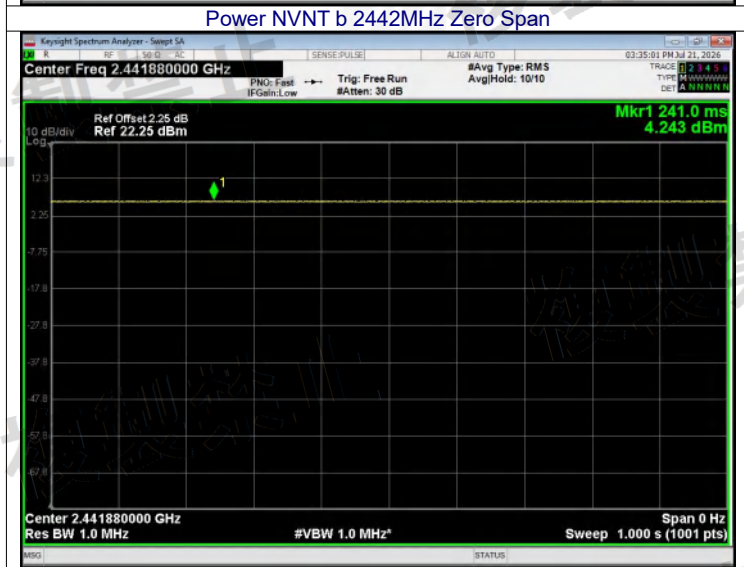
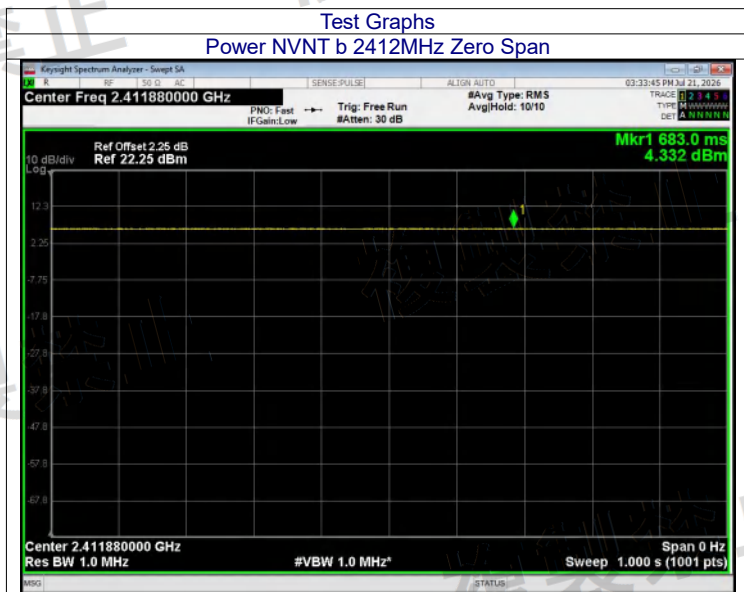


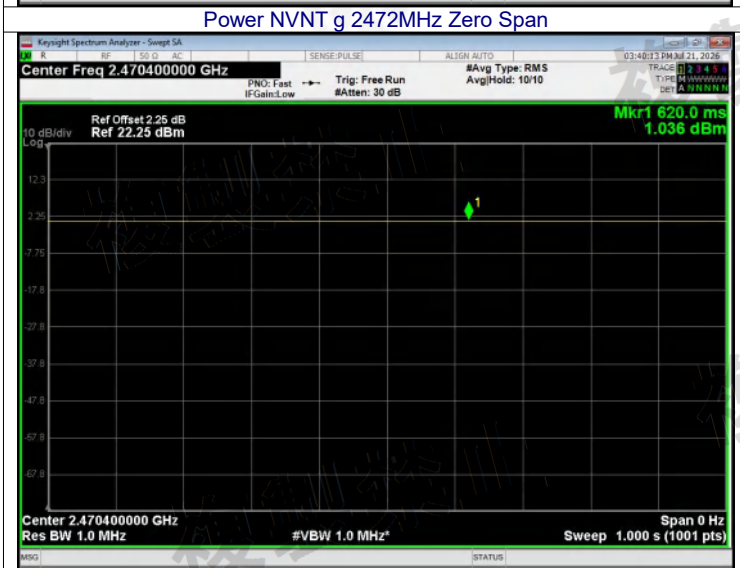
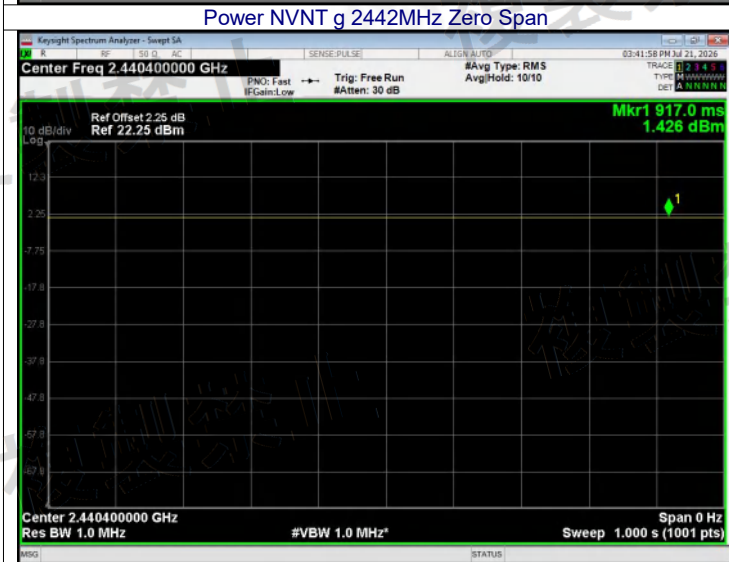
5.4.6 TEST RESULT

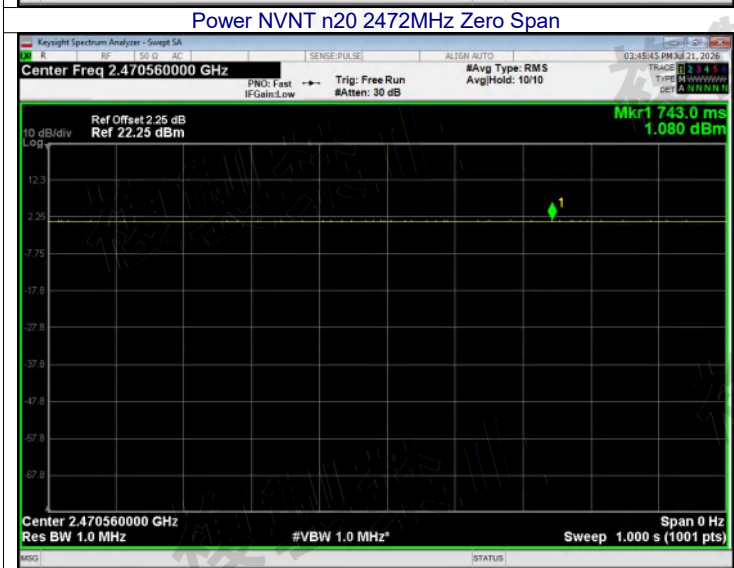
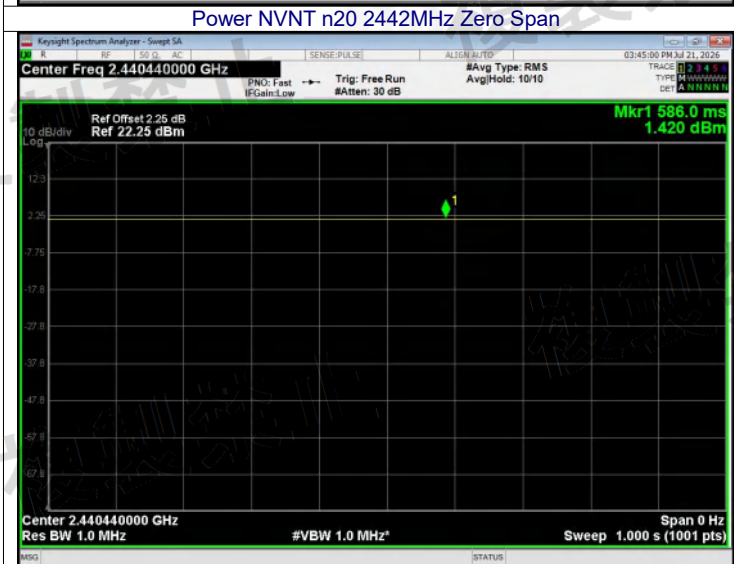
Test Frequency (MHz)	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Rated power density (mW/MHz)	Antenna Power Limits (mW/MHz)	Tolerance (%)	Tolerance Limit (%)	RESULT
Operation Mode:	Normal Voltage-IEEE 802.11b						
2412	4.332	2.711	5	≤10	-45.78	+ 20	PASS
2442	4.243	2.656	5	≤10	-46.88	+ 20	PASS
2472	3.503	2.240	5	≤10	-57.12	+ 20	PASS
Operation Mode:	Normal Voltage-IEEE 802.11g						
2412	1.767	1.502	4.5	≤10	-66.62%	+ 20	PASS
2442	1.426	1.389	4.5	≤10	-69.13%	+ 20	PASS
2472	1.036	1.269	4.5	≤10	-71.80%	+ 20	PASS
Operation Mode:	Normal Voltage-IEEE 802.11n20						
2412	1.326	1.357	4.5	≤10	-69.84%	+ 20	PASS
2442	1.420	1.387	4.5	≤10	-69.18%	+ 20	PASS
2472	1.080	1.282	4.5	≤10	-71.51%	+ 20	PASS
Operation Mode:	Normal Voltage-IEEE 802.11n40						
2422	1.696	1.478	4.5	≤5	-73.82	+ 20	PASS
2442	1.509	1.415	4.5	≤5	-73.56	+ 20	PASS
2462	1.133	1.298	4.5	≤5	-72.67	+ 20	PASS
Operation Mode:	Normal Voltage-IEEE 802.11ax20						
2412	1.895	1.547	4.5	≤10	-65.62%	+ 20	PASS
2442	1.517	1.418	4.5	≤10	-68.49%	+ 20	PASS
2472	1.185	1.314	4.5	≤10	-70.80%	+ 20	PASS
Operation Mode:	Normal Voltage-IEEE 802.11ax40						
2422	1.579	1.438	4.5	≤5	-68.04%	+ 20	PASS
2442	1.501	1.413	4.5	≤5	-68.60%	+ 20	PASS
2462	1.124	1.295	4.5	≤5	-71.22%	+ 20	PASS
Tolerance Limit : +20% (No lower limit)							

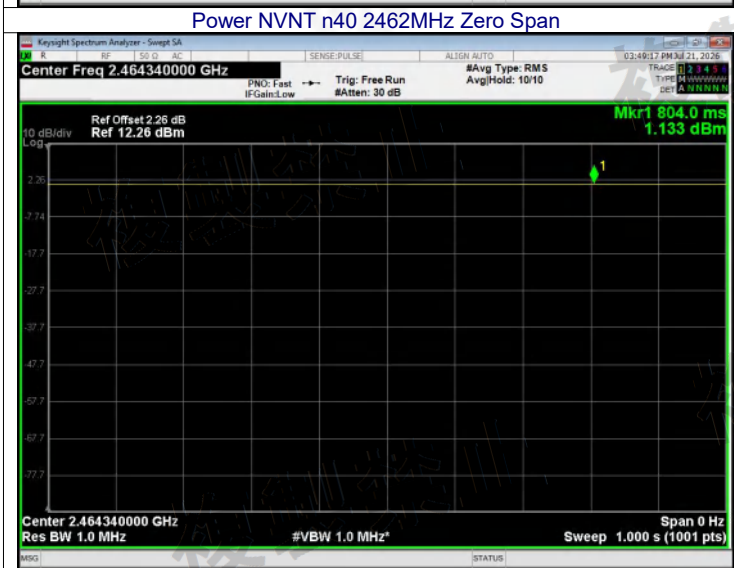
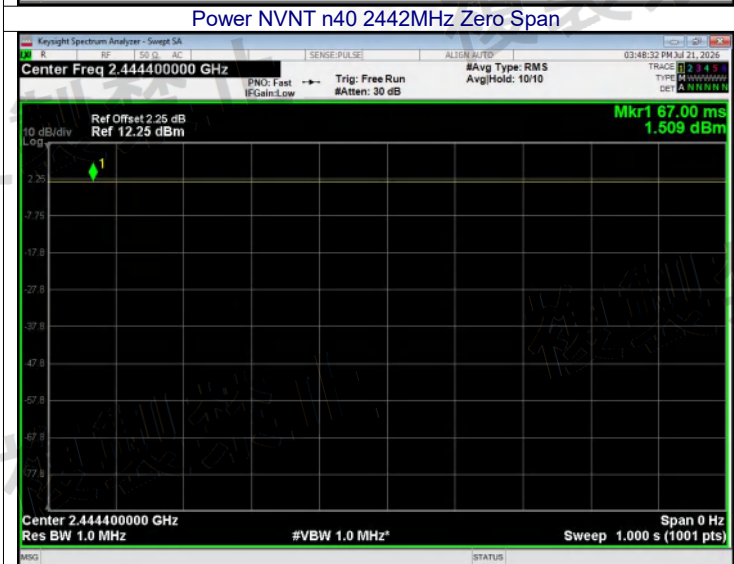
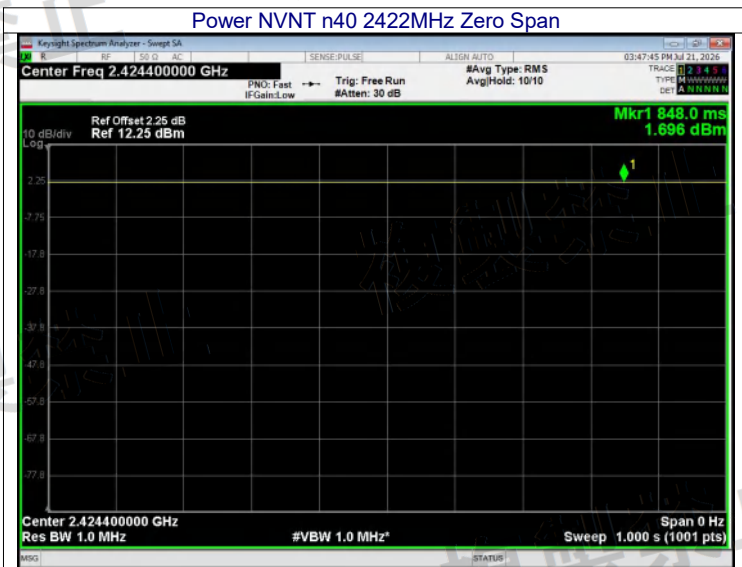


Test Frequency (MHz)	Antenna Power (dBm/MHz)	Antenna gain (dBi)	EIRP Power (dBm/MHz)	Limits (dBm/MHz)	RESULT
Operation Mode:	Normal Voltage-IEEE 802.11b				
2412	4.332	0.9	5.232	≤12.14	PASS
2442	4.243	0.9	5.143	≤12.14	PASS
2472	3.503	0.9	4.403	≤12.14	PASS
Operation Mode:	Normal Voltage-IEEE 802.11g				
2412	1.767	0.9	2.667	≤12.14	PASS
2442	1.426	0.9	2.326	≤12.14	PASS
2472	1.036	0.9	1.936	≤12.14	PASS
Operation Mode:	Normal Voltage-IEEE 802.11n20				
2412	1.326	0.9	2.226	≤12.14	PASS
2442	1.420	0.9	2.32	≤12.14	PASS
2472	1.080	0.9	1.98	≤12.14	PASS
Operation Mode:	Normal Voltage-IEEE 802.11n40				
2422	1.696	0.9	2.596	≤9.13	PASS
2442	1.509	0.9	2.409	≤9.13	PASS
2462	1.133	0.9	2.033	≤9.13	PASS
Operation Mode:	Normal Voltage-IEEE 802.11ax20				
2412	1.895	0.9	2.795	≤12.14	PASS
2442	1.517	0.9	2.417	≤12.14	PASS
2472	1.185	0.9	2.085	≤12.14	PASS
Operation Mode:	Normal Voltage-IEEE 802.11ax40				
2422	1.579	0.9	2.479	≤9.13	PASS
2442	1.501	0.9	2.401	≤9.13	PASS
2462	1.124	0.9	2.024	≤9.13	PASS
Note: EIRP Power = Antenna Power + Antenna Gain.					



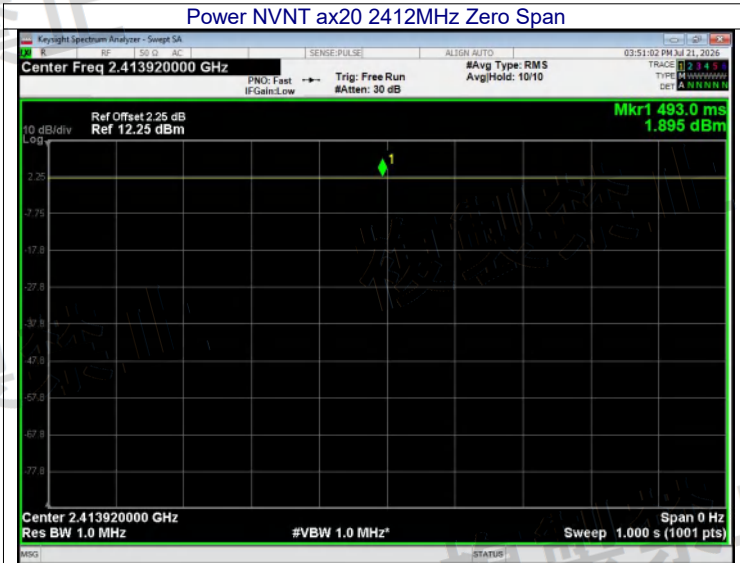




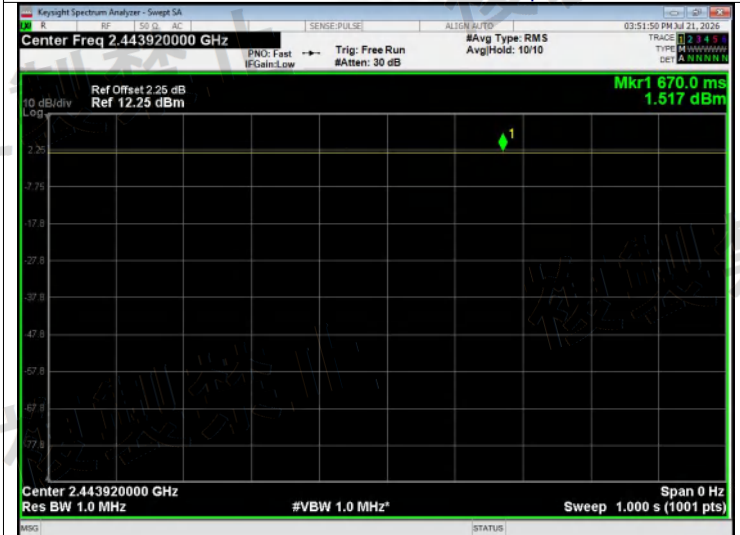




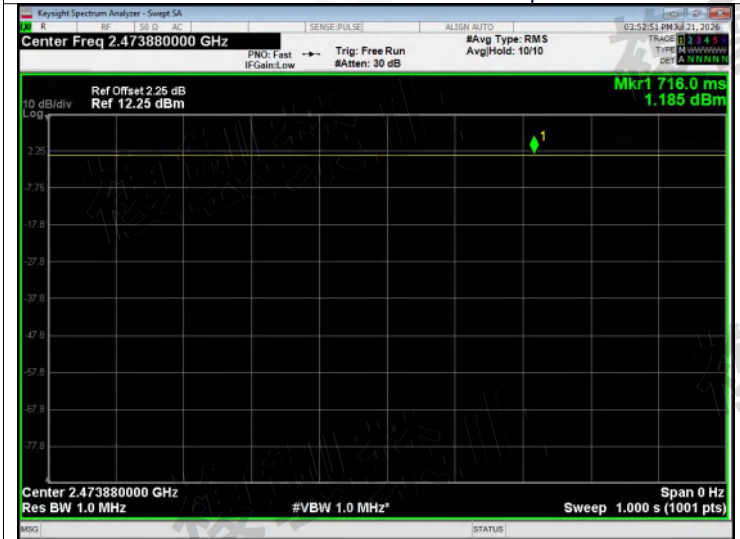
Power NVNT ax20 2412MHz Zero Span



Power NVNT ax20 2442MHz Zero Span

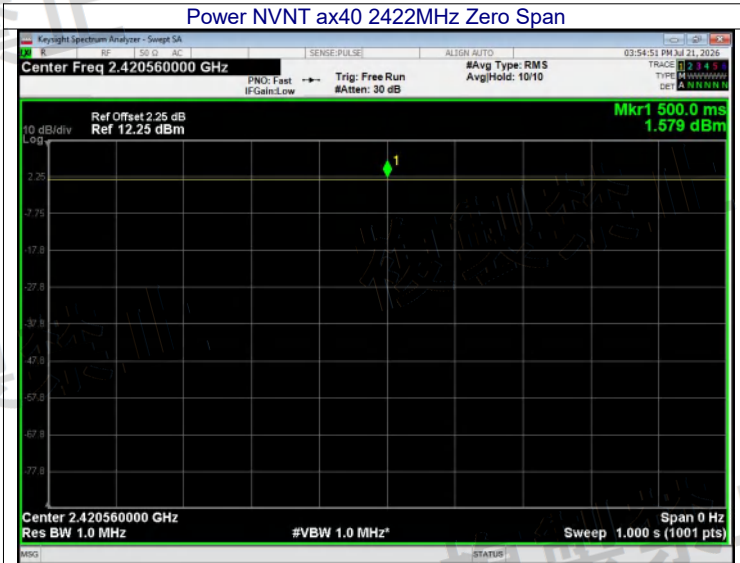


Power NVNT ax20 2472MHz Zero Span

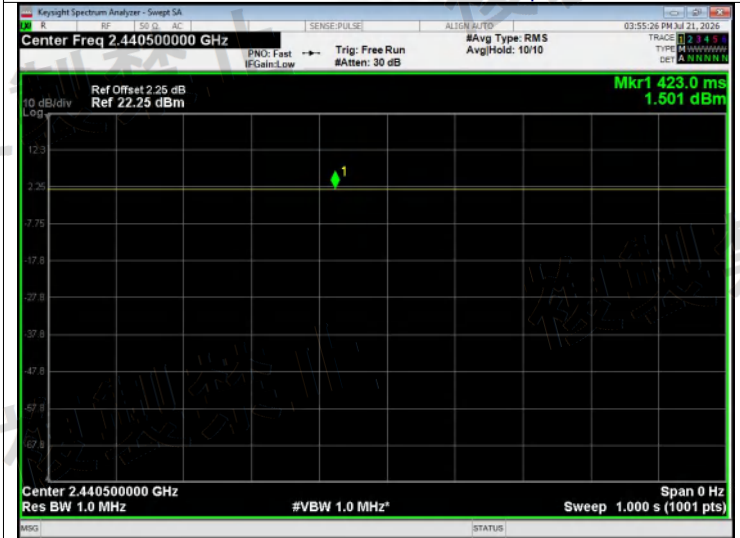




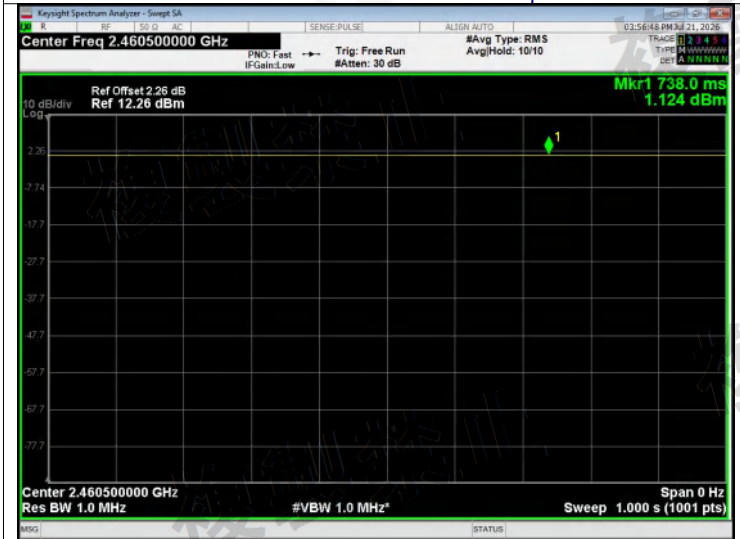
Power NVNT ax40 2422MHz Zero Span



Power NVNT ax40 2442MHz Zero Span



Power NVNT ax40 2462MHz Zero Span





5.5 IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

5.5.1 LIMIT

Item	Limits
RX Spurious Emission:	$\leq 4\text{nW}$ ($f < 1\text{GHz}$)
	$\leq 20\text{nW}$ ($1\text{GHz} \leq f$)

5.5.2 MEASURING INSTRUMENTS AND SETTING

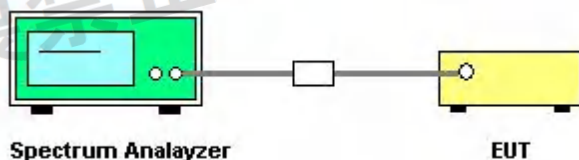
Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.5.3 TEST PROCEDURES

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) / 1MHz (above 1GHz emissions) /
AT: 0dB / Ref: -17.75dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
5. If power level of lower emissions are more than 1/10 of limit (.0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

5.5.4 TEST SETUP LAYOUT



5.5.6 TEST DEVIATION

There is no deviation with the original standard.

5.5.7 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously reception mode.

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5.5.8 TEST RESULT

Test Voltage	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
Normal	802.11b	2442	30-1000	721.78	-87.24	0.00189	4	Pass
Normal	802.11b	2442	1000-12500	5183.988	-72.602	0.05493	20	Pass
Normal	802.11g	2442	30-1000	781.435	-88.793	0.00132	4	Pass
Normal	802.11g	2442	1000-12500	1772.8	-73.641	0.04324	20	Pass
Normal	802.11n20	2442	30-1000	910.324	-89.16	0.00121	4	Pass
Normal	802.11n20	2442	1000-12500	12181.45	-75.399	0.02885	20	Pass
Normal	802.11n40	2442	30-1000	943.255	-89.237	0.00119	4	Pass
Normal	802.11n40	2442	1000-12500	1780.85	-70.962	0.08013	20	Pass
Normal	802.11ax20	2442	30-1000	31.989	-82.566	0.00554	4	Pass
Normal	802.11ax20	2442	1000-12500	1717.887	-64.356	0.36678	20	Pass
Normal	802.11ax40	2442	30-1000	825.861	-77.179	0.01915	4	Pass
Normal	802.11ax40	2442	1000-12500	5178.813	-63.841	0.41295	20	Pass

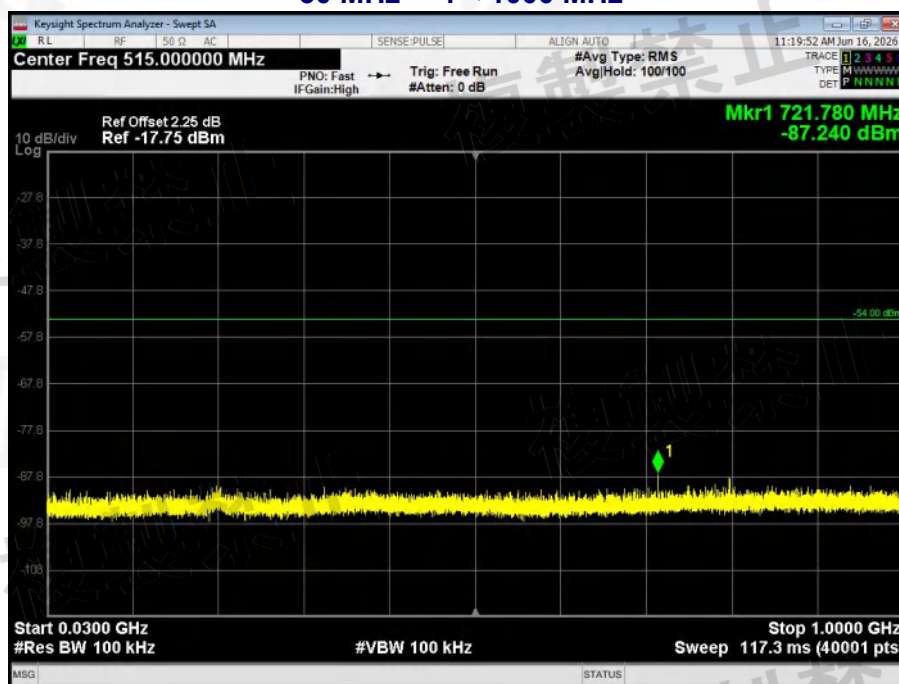
Note: All channels are tested , only the worst test data recorded was 2442MHz.



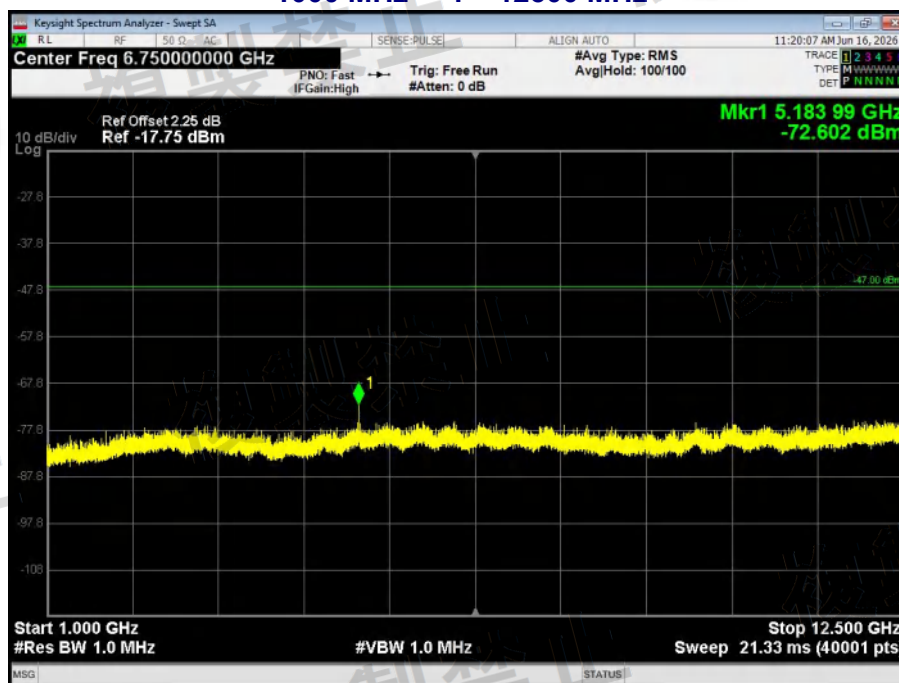
Modulation type: 802.11b

Test voltage	Normal	Test Channel	2442MHz
--------------	--------	--------------	---------

$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$

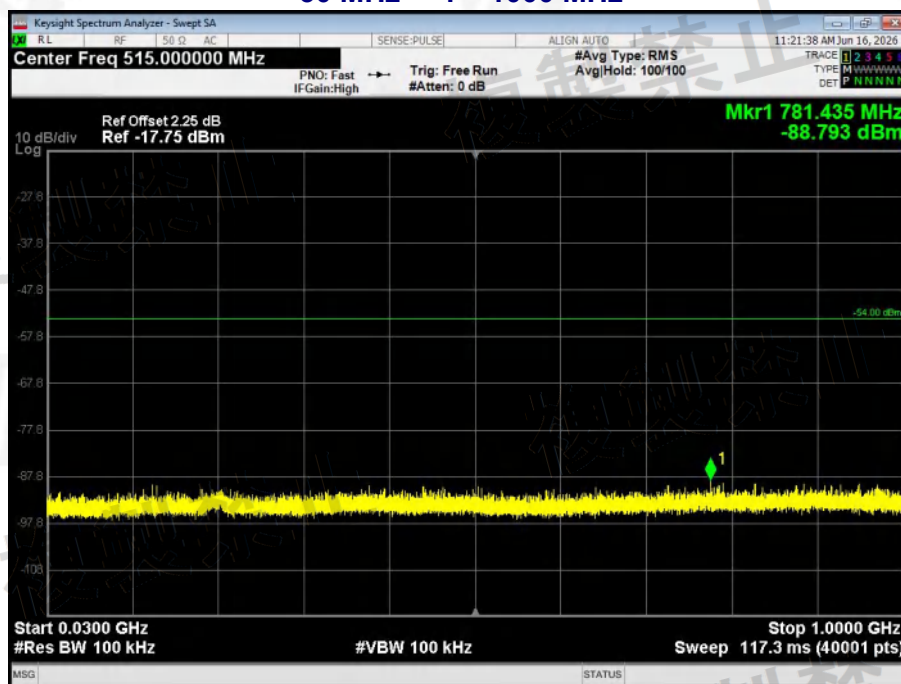




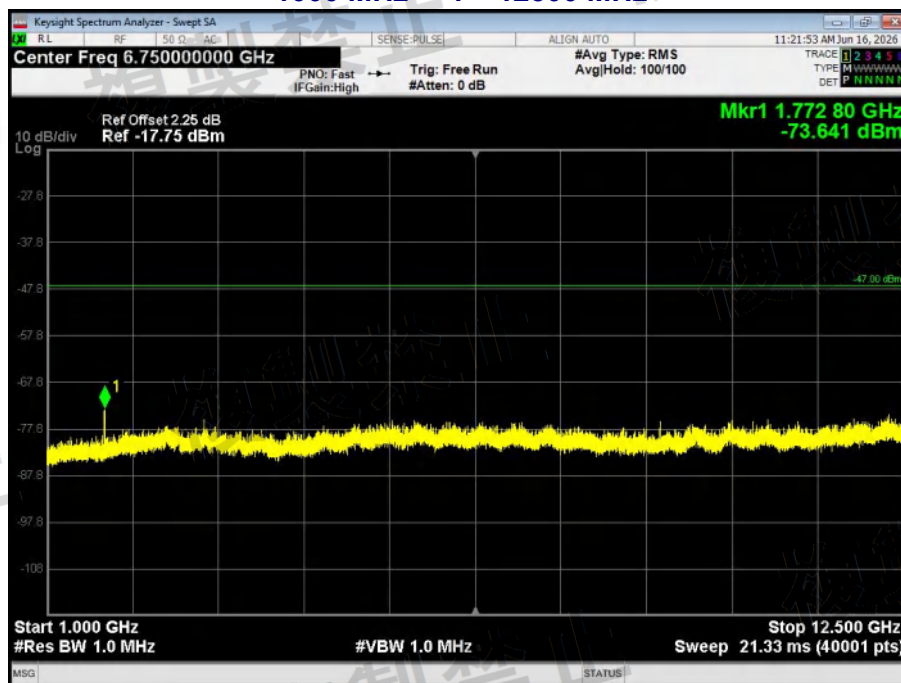
Modulation type: 802.11g

Test voltage	Normal	Test Channel	2442MHz
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$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$

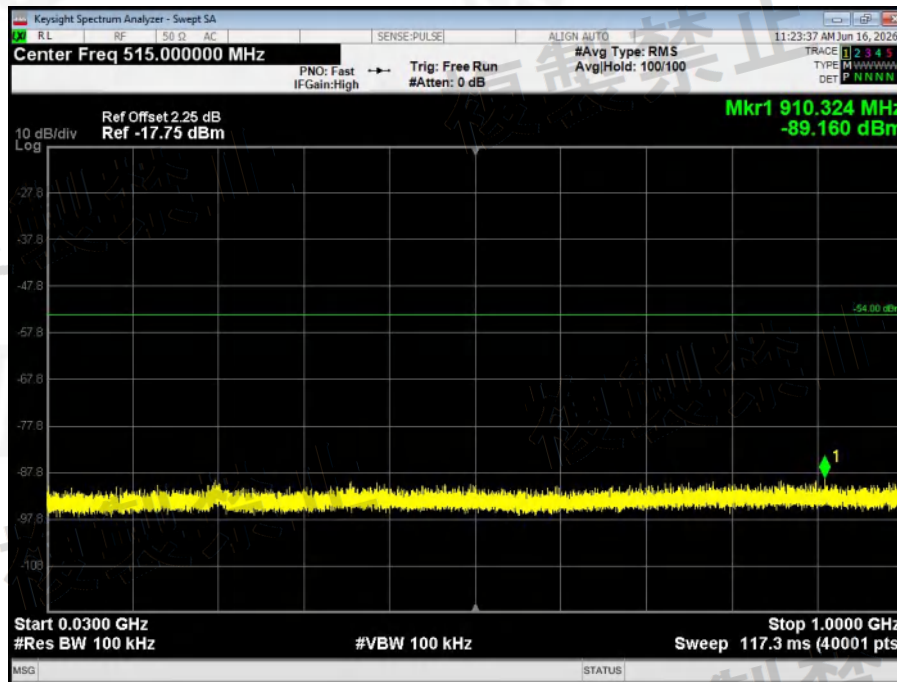




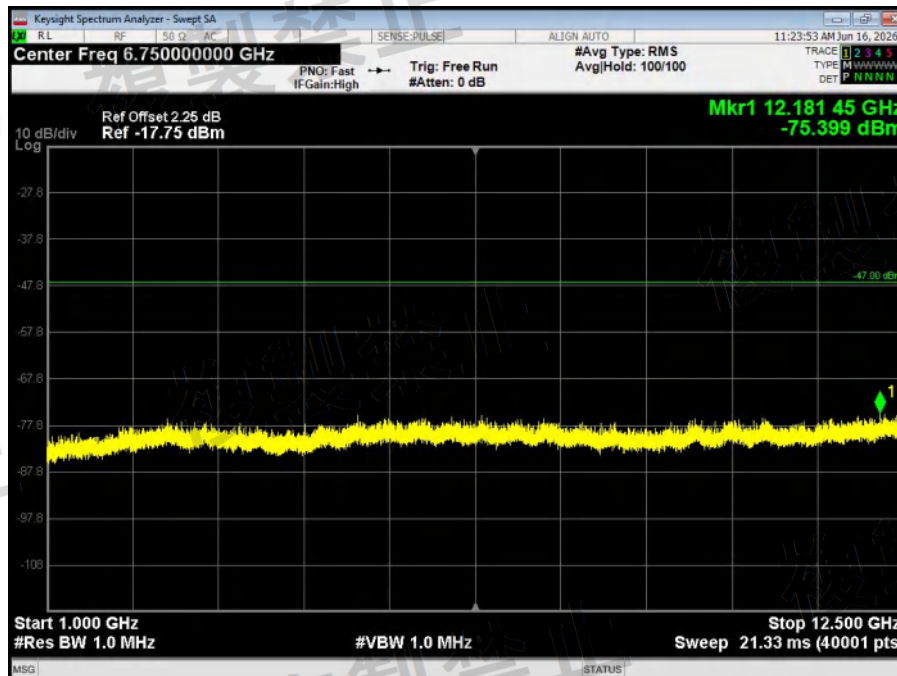
Modulation type: 802.11n20

Test voltage	Normal	Test Channel	2442MHz
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$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$

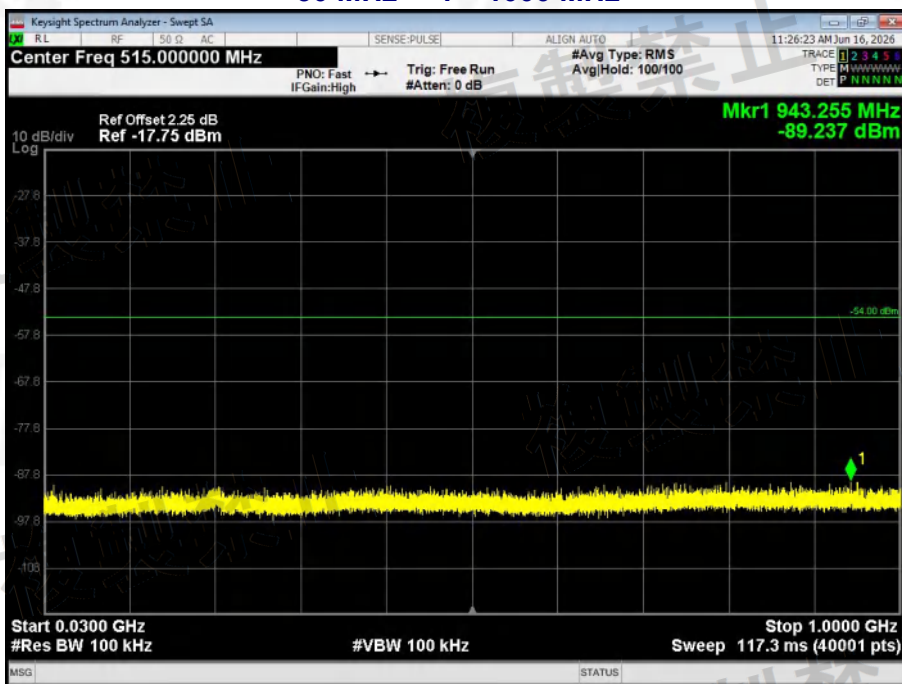




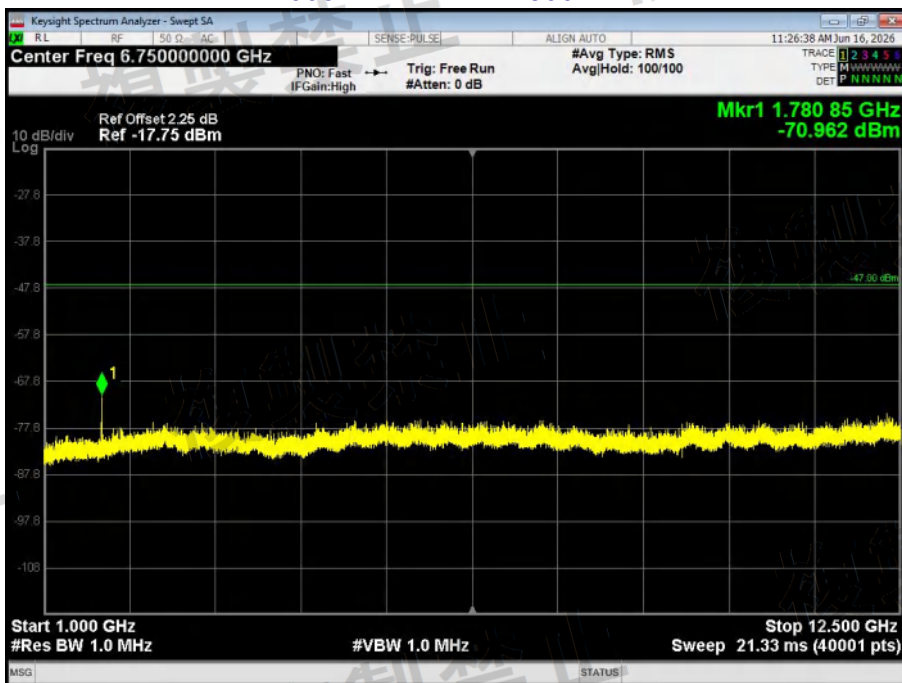
Modulation type: 802.11n40

Test voltage	Normal	Test Channel	2442MHz
--------------	--------	--------------	---------

$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$

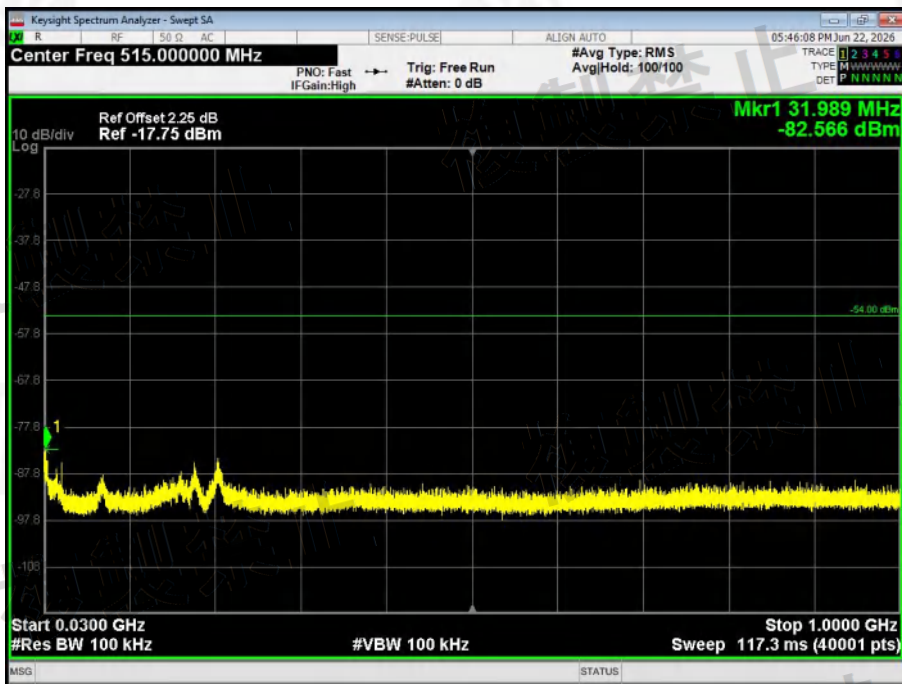




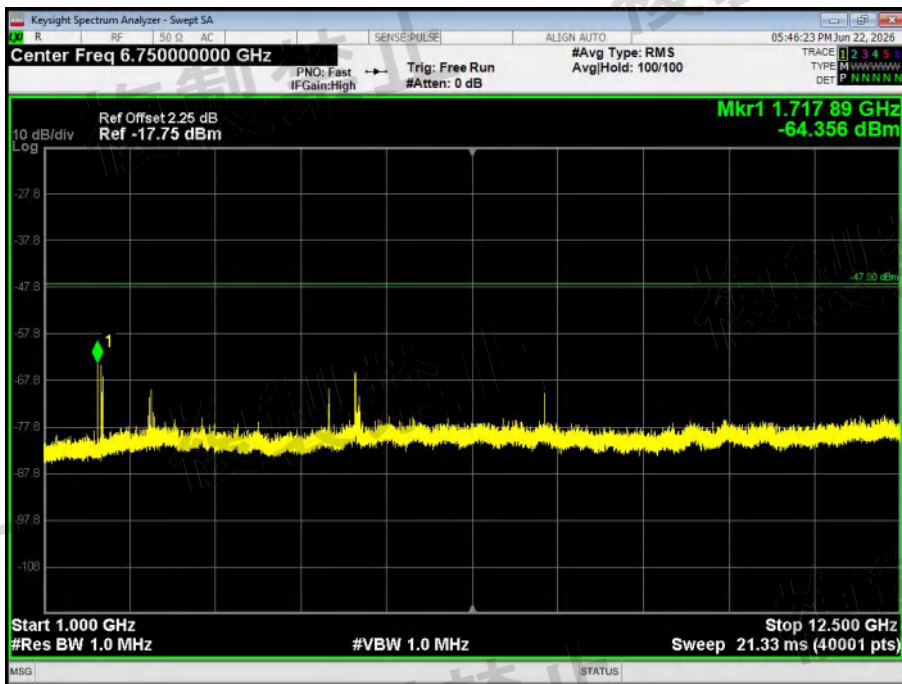
Modulation type: 802.11ax20

Test voltage	Normal	Test Channel	2442MHz
--------------	--------	--------------	---------

$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$

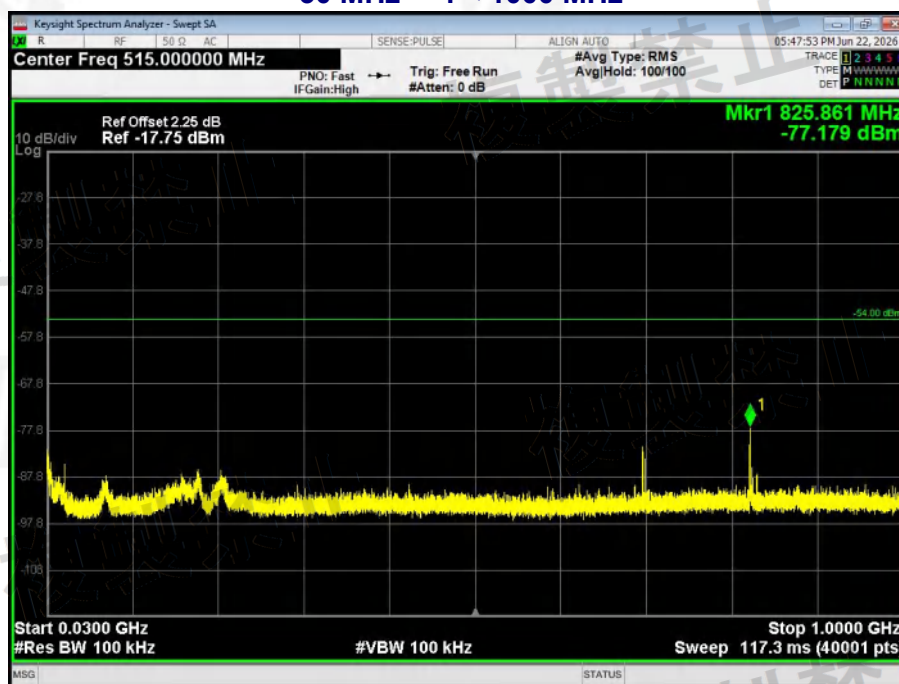




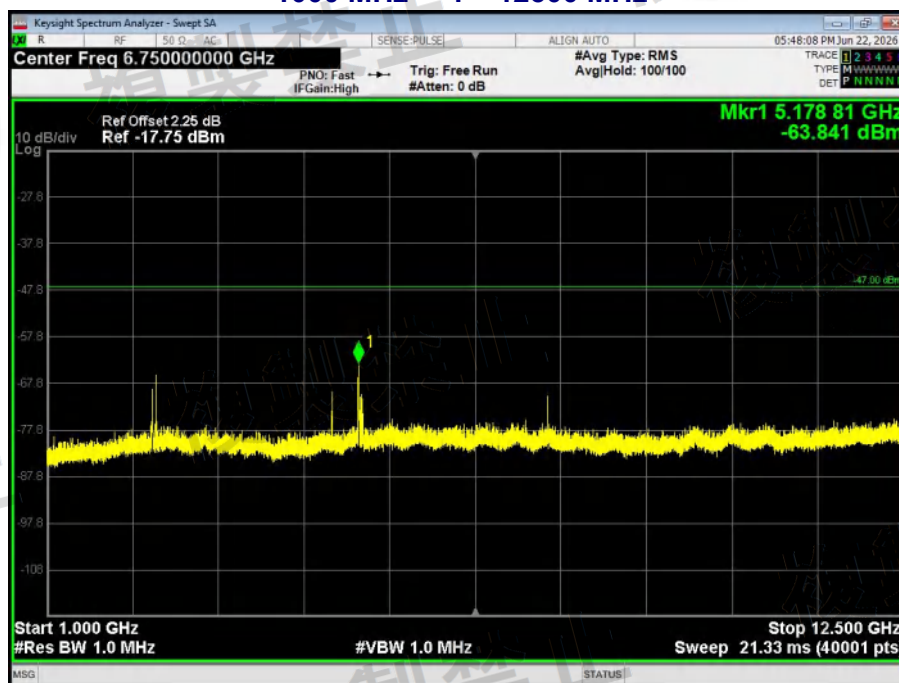
Modulation type: 802.11ax40

Test voltage	Normal	Test Channel	2442MHz
--------------	--------	--------------	---------

$30\text{ MHz} \leq f < 1000\text{ MHz}$



$1000\text{ MHz} \leq f < 12500\text{ MHz}$





5.6 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

5.6.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

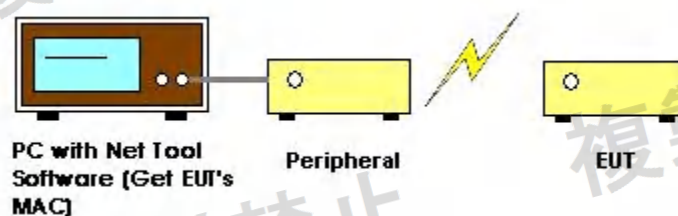
5.6.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

5.6.3 TEST PROCEDURES

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - a. Transmit the predetermined identification codes from EUT.
 - b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code:
 - a. Transmit the predetermined identification codes from the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes from the counterpart.
 - d. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

5.6.4 TEST SETUP LAYOUT



5.6.5 TEST DEVIATION

There is no deviation with the original standard.

5.6.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.



5.6.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

Temperature:	26°C	Relative Humidity:	50%
Pressure:	101kPa	Test Voltage:	Normal
Test Result:	PASS		

Transmitter Mode:	The transmitting mode (the identification code is more than 48 bits) of EUT is on normal operating, the interference prevention function is good.
Receiver Mode:	The transmitting mode of EUT is on normal operating, the interference prevention function is good.
MAC Address:	27-51-19-2B-E-6C



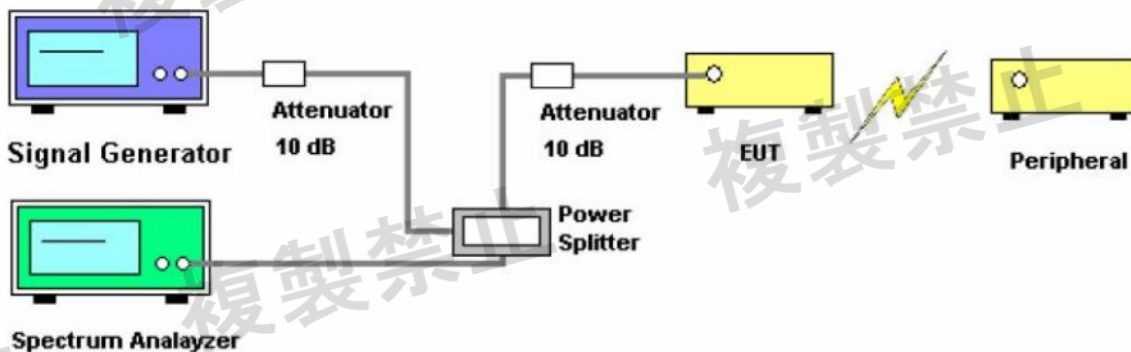
5.7 CARRIER SENSE CAPABILITY

5.7.1 LIMIT

EUT stop RF transmission signal after carrier inject to EUT

5.7.2 TEST PROCEDURE

Measurement System Diagram



1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is $[on\ 22.79 + G - 20 \cdot \log(f)\text{ dBm}]$ (G is the antenna gain, f is the test frequency).
2. turn off the RF signal of the SG.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Setting of SA :RBW/VBW=1MHz/1MHz, Span=50MHz, Sweep time=auto, Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.
6. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous transmitted signal.



5.7.3 TEST RESULT

Test Mode	Test Channel (MHz)	Result		
		Normal Voltage	High Voltage	Low Voltage
802.11b	2412	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2472	Pass	Pass	Pass
802.11g	2412	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2472	Pass	Pass	Pass
802.11n20	2412	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2472	Pass	Pass	Pass
802.11n40	2422	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2462	Pass	Pass	Pass
802.11ax20	2412	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2472	Pass	Pass	Pass
802.11ax40	2422	Pass	Pass	Pass
	2442	Pass	Pass	Pass
	2462	Pass	Pass	Pass

Note: The EUT cannot transmit radio when the field strength at maximal gain direction of receiving antenna power is over 100mV/m; and the EUT can start to transmit after carrier sensing.



6. EUT TEST PHOTO

Reference to the appendix I for details.

7. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ END OF REPORT ※※※※※