



TEST REPORT

Report Number.....: ZKT-2606090655E-3

Date of Test.....: Jun. 09, 2026 to Jun. 23, 2026

Date of issue.....: Jun. 23, 2026

Total number of pages.....: 124

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, Item 19-3
MIC Notice No.88 Annex 1
MIC Notice No.88 Appendix 45**

Test procedure.....: /

Non-standard test method: N/A

Test Report Form No.....: TRF-EL-154_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.

This report shall not be reproduced except in full, without the written approval of ZKT, this document may be altered or revised by ZKT, personal only, and shall be noted in the revision of the document.

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
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





TABLE OF CONTENTS

PAGE

1.VERSION	5
2.TSUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
3.GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 Description of test modes	9
3.3 TEST CONDITIONS	10
3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
3.5 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)	10
3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS	11
4.RF SHIELDING METHOD	12
5.TEST RESULTS	13
5.1 FREQUENCY ERROR MEASUREMENT	13
5.1.1 LIMIT	13
5.1.2 TEST PROCEDURES	13
5.1.3 TEST SETUP LAYOUT	13
5.1.4 TEST DEVIATION	13
5.1.5 EUT OPERATION DURING TEST	13
5.1.6 TEST RESULTS	14
5.2 99% OCCUPIED BANDWIDTH MEASUREMENT	17
5.2.1 LIMIT	17
5.2.2 TEST PROCEDURES	17
5.2.3 TEST SETUP LAYOUT	17
5.2.4 TEST DEVIATION	17
5.2.5 EUT OPERATION DURING TEST	17
5.3 UNWANTED EMISSION INTENSITY MEASUREMENT & OUT-BAND LEAKAGE POWER	29
5.3.1 LIMIT	29
5.3.2 MEASURING INSTRUMENTS AND SETTING	29
5.3.3 TEST PROCEDURES	29
5.3.4 TEST SETUP LAYOUT	29
5.3.5 TEST DEVIATION	29
5.3.6 EUT OPERATION DURING TEST	29
5.3.7 TEST RESULT	33



5.4 ANTENNA POWER AND TOLERANCE MEASUREMENT	87
5.4.1 LIMIT	87
5.4.2 MEASURING INSTRUMENTS AND SETTING	87
5.4.3 TEST PROCEDURES	87
5.4.4 TEST SETUP LAYOUT	87
5.4.5 EST DEVIATION	87
5.4.6 EUT OPERATION DURING TEST	87
5.4.7 TEST RESULT	88
5.5 SECONDARY RADIATED EMISSIONS MEASUREMENT	90
5.5.1 LIMIT	90
5.5.2 MEASURING INSTRUMENTS AND SETTING	90
5.5.3 TEST PROCEDURES	90
5.5.5 TEST DEVIATION	90
5.5.6 EUT OPERATION DURING TEST	90
5.5.7 TEST RESULT	91
5.6 TRANSMITTER BURST LENGTH MEASUREMENT	99
5.6.1 LIMIT	99
5.6.2 MEASURING INSTRUMENTS AND SETTING	99
5.6.3 TEST SETUP LAYOUT	99
5.6.4 TEST DEVIATION	99
5.6.5 EUT OPERATION DURING TEST	99
5.6.6 RESULTS	100
5.8.1 LIMIT	112
5.8.2 TEST PROCEDURE	112
5.8.3 TEST RESULT	113
5.9 ADJACENT CHANNEL EMITTED POWER MEASUREMENT	114
5.9.1 LIMIT	114
5.9.2 MEASURING INSTRUMENTS AND SETTINGW	114
5.9.3 TEST SETUP LAYOUT	115
5.9.4 TEST DEVIATION	115
5.9.5 EUT OPERATION DURING TEST	115
5.9.6 TEST RESULTS	115
6. EUT TEST PHOTO	124
7. EUT CONSTRUCTIONAL DETAILS	124



1.VERSION

Report No.	Version	Description	Approved
ZKT-2606090655E-3	Rev.01	Initial issue of report	Jun. 23, 2026



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

No.	Description of Test	Result
1	Frequency Error	Complies
2	99% Occupied Bandwidth	Complies
3	Unwanted Emission Intensity & Out-Band Leakage Power	Complies
4	Antenna Power and Tolerance	Complies
5	Secondary Radiated Emissions	Complies
6	Transmitter Burst Length	Complies
7	Interference Prevention Function	Complies
8	Carrier Sense Capability	Complies
9	Adjacent Channel Emitted Power	Complies
10	Construction Protection Confirmation	Complies
11	Secondary Radiated Emissions	Complies

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report



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 expended 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 Name:	Projector
Model No.:	V5
Series Models:	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 Description:	See the Model Difference letter
Hardware Version:	H1.0
Software Version:	S1.0
Operation Frequency:	5180-5240MHz for 802.11a/n/ac/ax (20M) 5190-5230MHz for 802.11n/ac/ax (40M)
Channel Bandwidth:	IEEE 802.11 a/n/ac/ax (20M) IEEE 802.11 n/ac/ax (40M)
Modulation Technology:	Orthogonal Frequency Division multiplexing (OFDM): IEEE802.11a/n/ac/ax Orthogonal Frequency Division Multiple Access(OFDMA): IEEE802.11ax only
Modulation Type:	IEEE 802.11 a/n/ac/ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
Rated Power:	802.11a, Max 4mW/MHz 802.11n20, Max 3mW/MHz 802.11n40, Max 2mW/MHz 802.11ac20, Max 3mW/MHz 802.11ac40, Max 2mW/MHz 802.11ax20, Max 3mW/MHz 802.11ax40, Max 2mW/MHz
Antenna Type:	PCB Antenna
Antenna Gain:	2dBi
Channel No.:	Please see Note
Power Supply:	Input: 100-240V ~ 50/60Hz Output: 12V $\overline{\text{---}}$ 1.5A / 36V $\overline{\text{---}}$ 1.5A

Note:

1. Only the WIFI was tested according the standard requirement.
2. CH36~CH48 are Operating with in 5180~5240MHz.
3. Please refer to Appendix I for the photographs of the EUT. For more details, please refer to the User's manual of the EUT.
4. 802.11ax Full RU is supported only.



CHANNEL LIST 802.11a/n/ac/ax (20M) Carrier Frequency Channel			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240
CHANNEL LIST 802.11n/ac/ax (40MHz) Carrier Frequency Channel			
38	5190	46	5230

Test channel	Frequency (MHz)	
	802.11a/n/ac/ax20	802.11n/ac/ax40
Lowest channel	5180MHz	5190MHz
Middle channel	5200MHz	/
Highest channel	5240MHz	5230MHz

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 ESP_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 OFDM.

Test Software: cmd instruction test

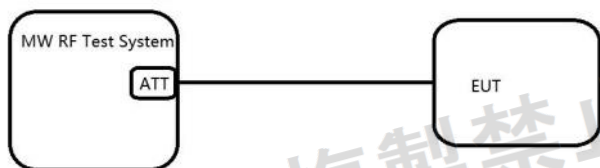
Test Mode	Power Level
802.11a	Default
802.11n20	Default
802.11n40	Default
802.11ac20	Default
802.11ac40	Default
802.11ax20	Default
802.11ax40	Default



3.3 TEST CONDITIONS

Supply Voltage				
	Input Voltage (VAC)		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
C1	NO	NO	1.2m	AC Line

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	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	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

Enclosure:

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.FREQUENCY ERROR

5.1 FREQUENCY ERROR MEASUREMENT

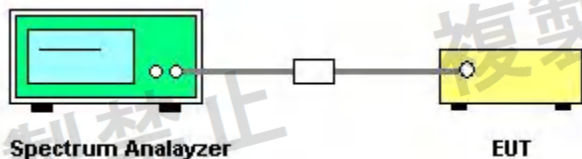
5.1.1 LIMIT

Item	Limits
Frequency Tolerance	±20ppm

5.1.2 TEST PROCEDURES

1. Frequency accuracy of SA shall be less than 10% of limits tolerance (5ppm)
2. Setting of SA is following as: RB:10kHz / VB:10kHz / SPAN: 1MHz / AT: 30dB / Ref: 20dBm
3. Center Frequency: The center frequency of testing for EUT
4. Sweep time: Auto
5. Sweep mode: Continuous sweep
6. Detect mode: Average
7. Mark function: Frequency Counter (Resolution 100Hz)
8. EUT have transmitted absence of modulation signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, f_c is declaring of channel frequency.
Then the frequency error formula is $(f_c-f)/f_c \times 10^6$ ppm and the limit is less than ±20ppm

5.1.3 TEST SETUP LAYOUT



5.1.4 TEST DEVIATION

There is no deviation with the original standard.

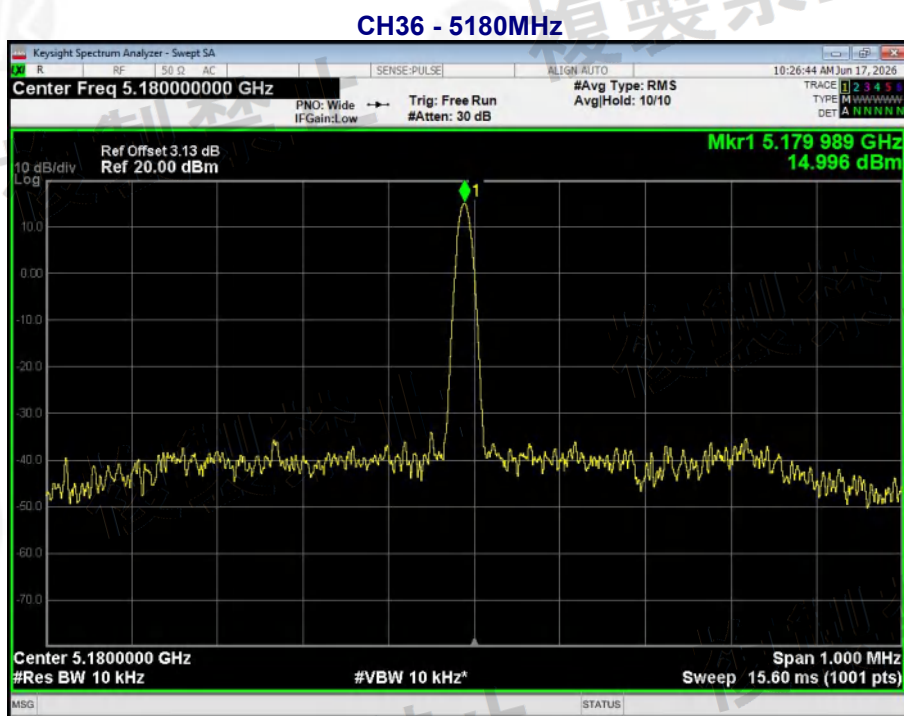
5.1.5 EUT OPERATION DURING TEST

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



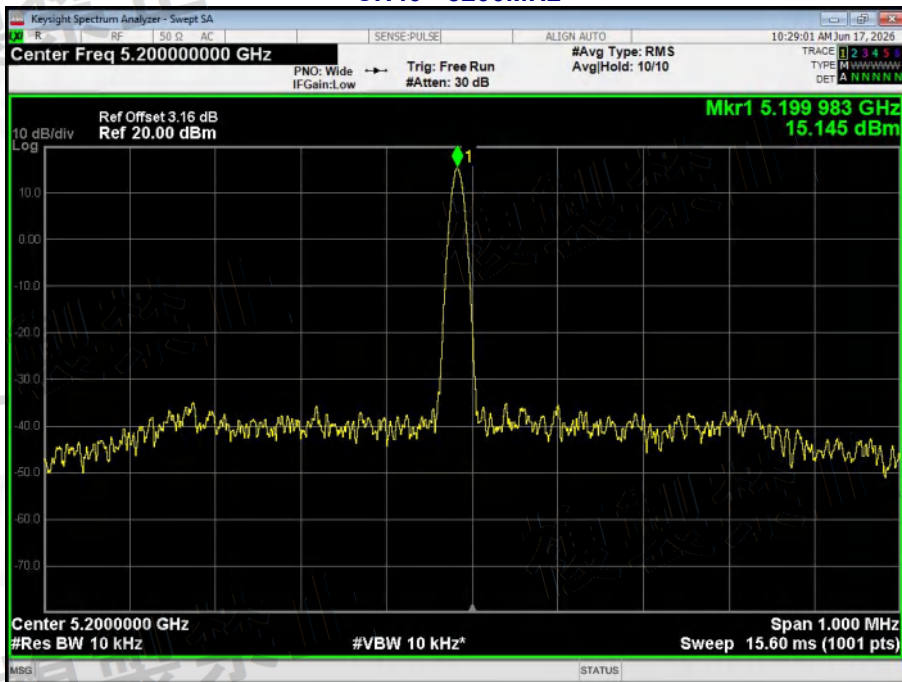
5.1.6 TEST RESULTS

Test Voltage	Channel	Test Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (ppm)	Limit (ppm)	RESULTS
Normal Voltage	36	5180	5179.989	-2.12	±20	PASS
	40	5200	5199.983	-3.27	±20	PASS
	48	5240	5239.982	-3.44	±20	PASS
	38	5190	5189.984	-3.08	±20	PASS
	46	5230	5229.982	-3.44	±20	PASS

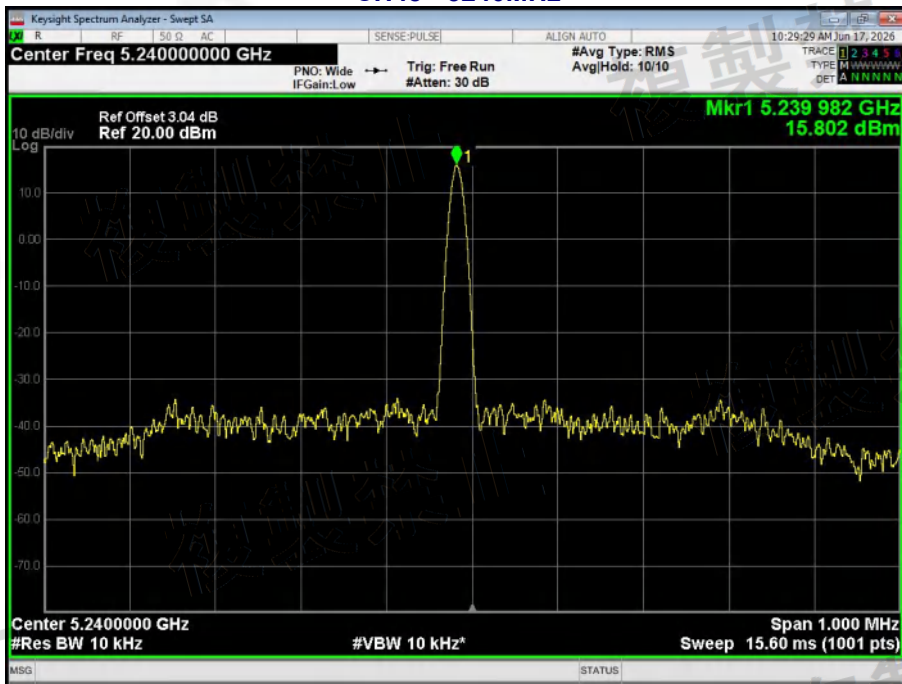




CH40 - 5200MHz

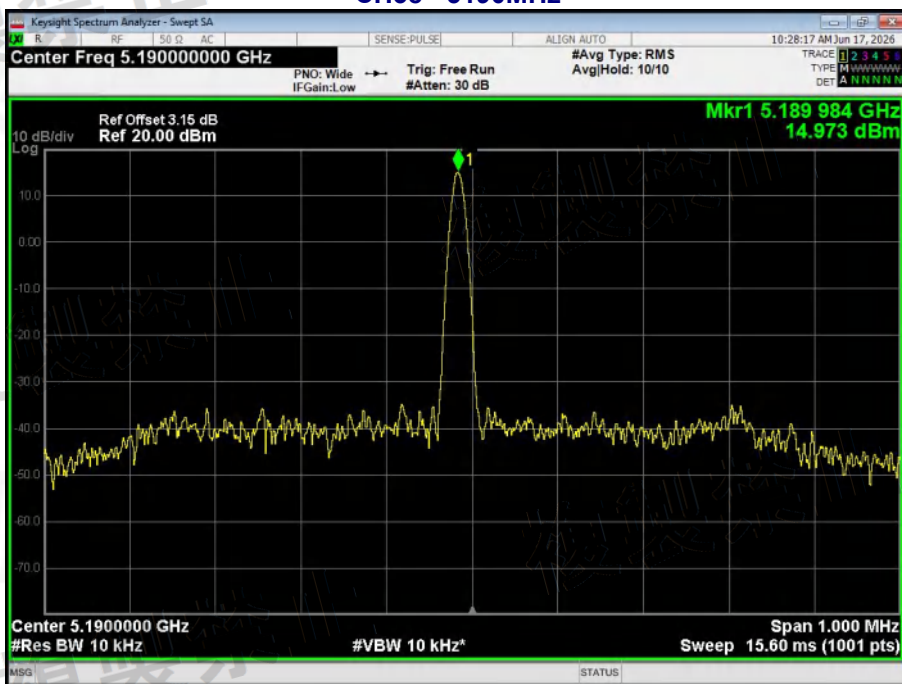


CH48 - 5240MHz

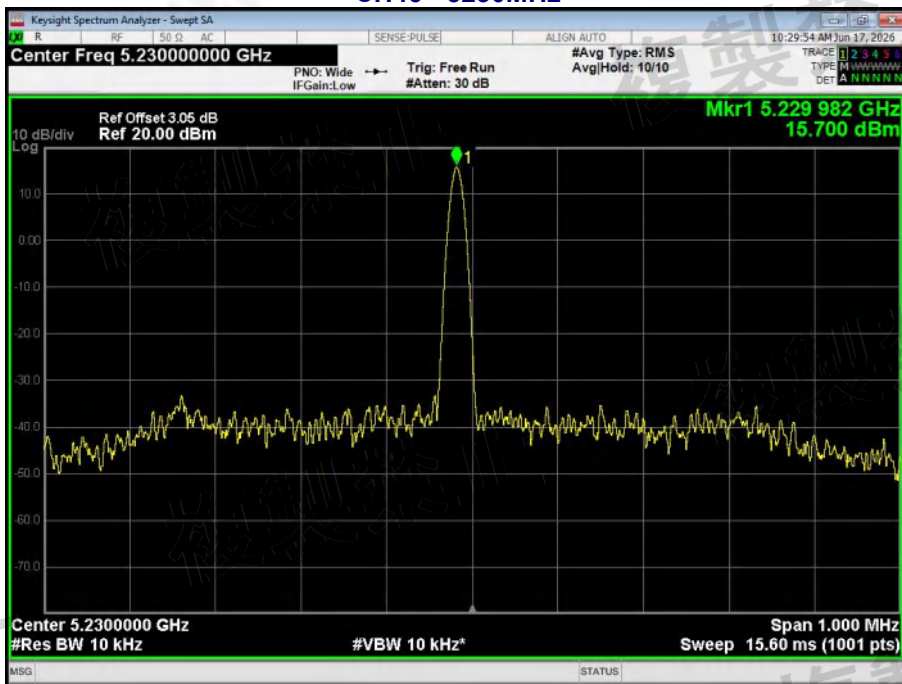




CH38 - 5190MHz



CH46 - 5230MHz





5.2 99% OCCUPIED BANDWIDTH MEASUREMENT

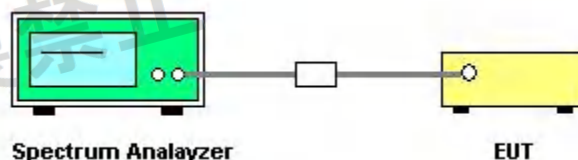
5.2.1 LIMIT

Item	Limits
Occupied Bandwidth	20MHz system (OFDM): Occupied Bandwidth $\leq$ 20MHz 40MHz system (OFDM): Occupied Bandwidth $\leq$ 40MHz

5.2.2 TEST PROCEDURES

- Setting of SA is following as: RB: 300kHz / VB:300kHz / SPAN: 40/80/160MHz / AT: 30dB Ref: 22.86dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
- 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.

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.

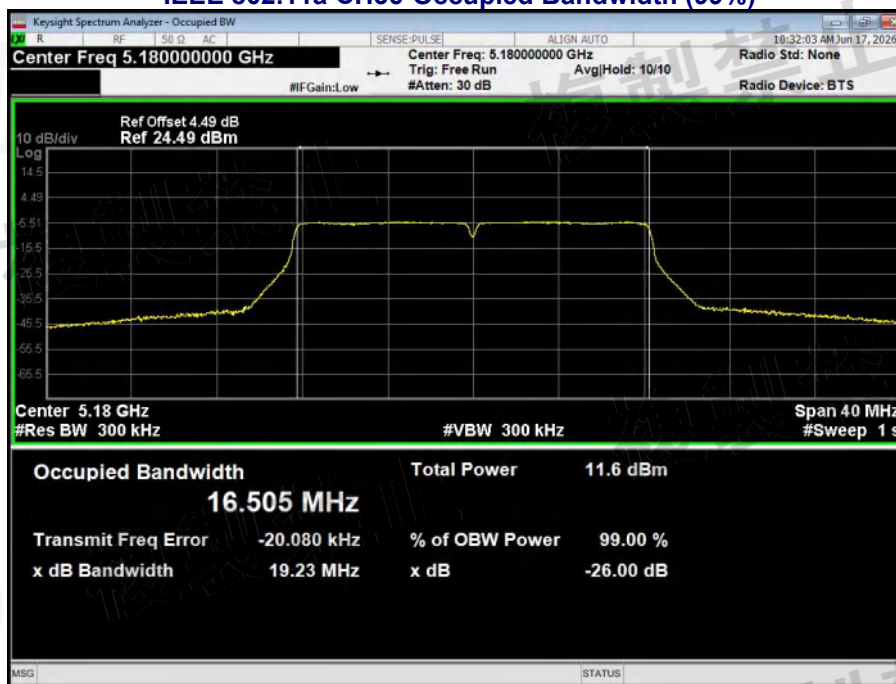


5.2.6 TEST RESULTS

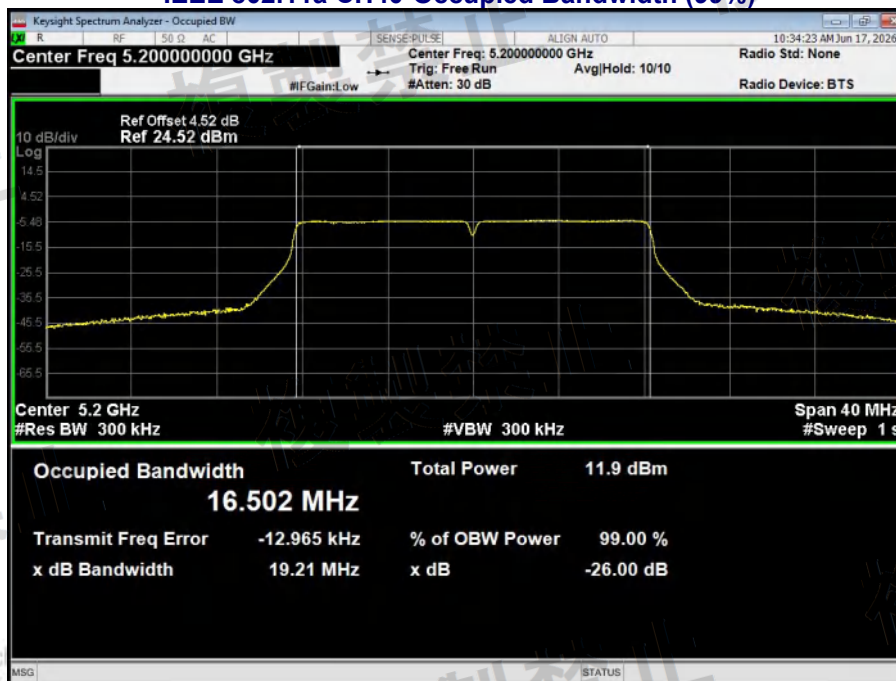
Operation Mode:	Normal Voltage
-----------------	----------------

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11a		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH36	5180	16.505	≤20	PASS
	CH40	5200	16.502	≤20	PASS
	CH48	5240	16.500	≤20	PASS

IEEE 802.11a CH36-Occupied Bandwidth (99%)

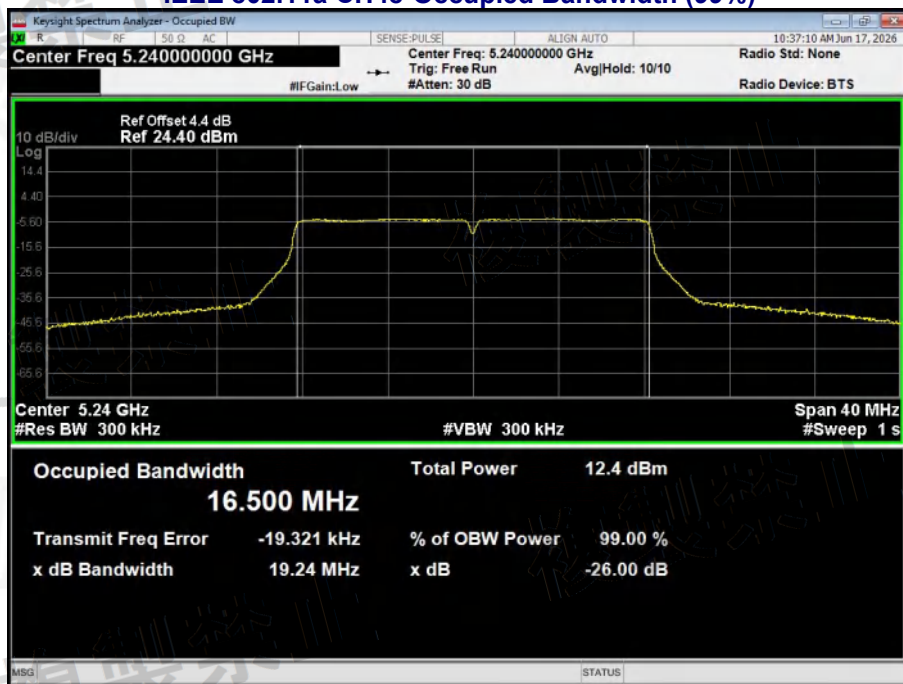


IEEE 802.11a CH40-Occupied Bandwidth (99%)





IEEE 802.11a CH48-Occupied Bandwidth (99%)

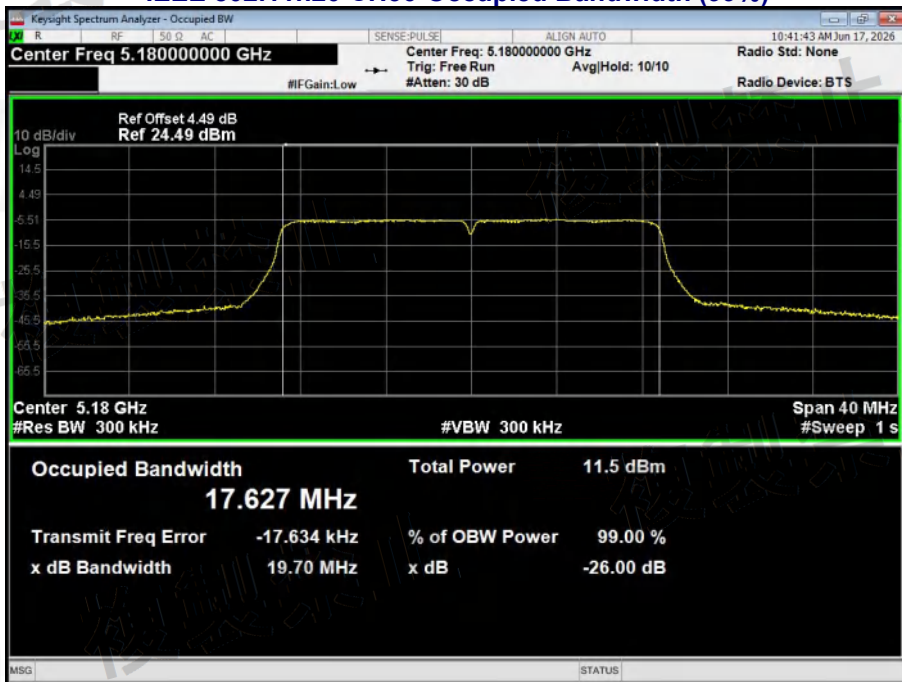




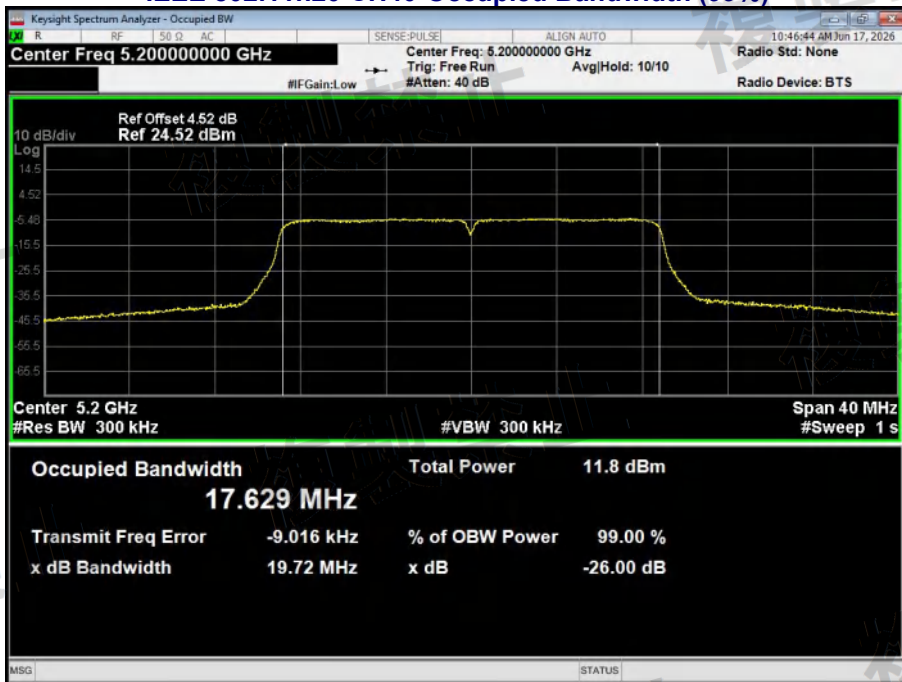
Operation Mode: Normal Voltage

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11n20		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH36	5180	17.627	≤20	PASS
	CH40	5200	17.629	≤20	PASS
	CH48	5240	17.619	≤20	PASS

IEEE 802.11n20 CH36-Occupied Bandwidth (99%)

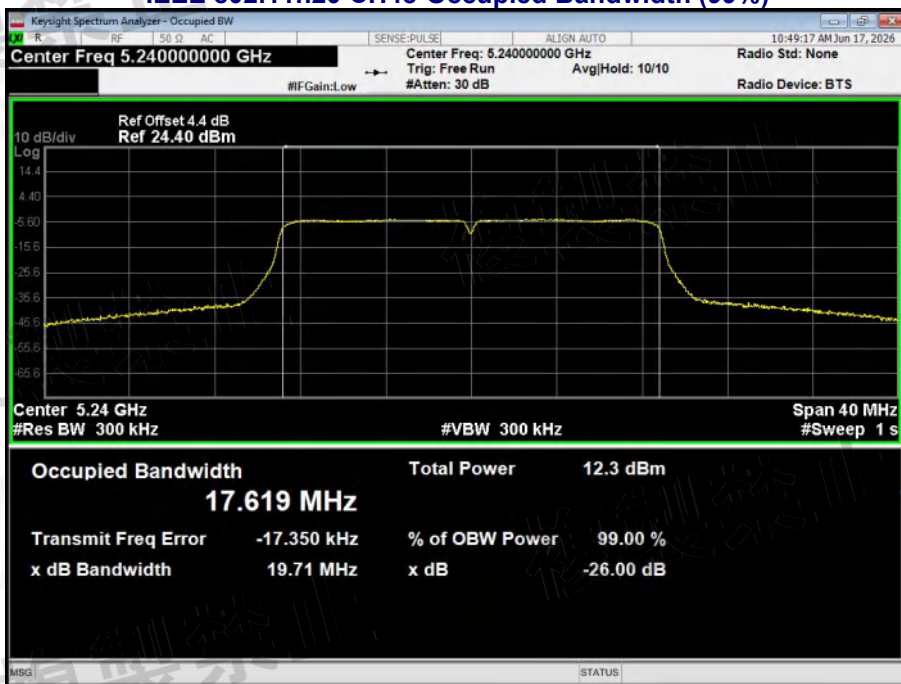


IEEE 802.11n20 CH40-Occupied Bandwidth (99%)





IEEE 802.11n20 CH48-Occupied Bandwidth (99%)

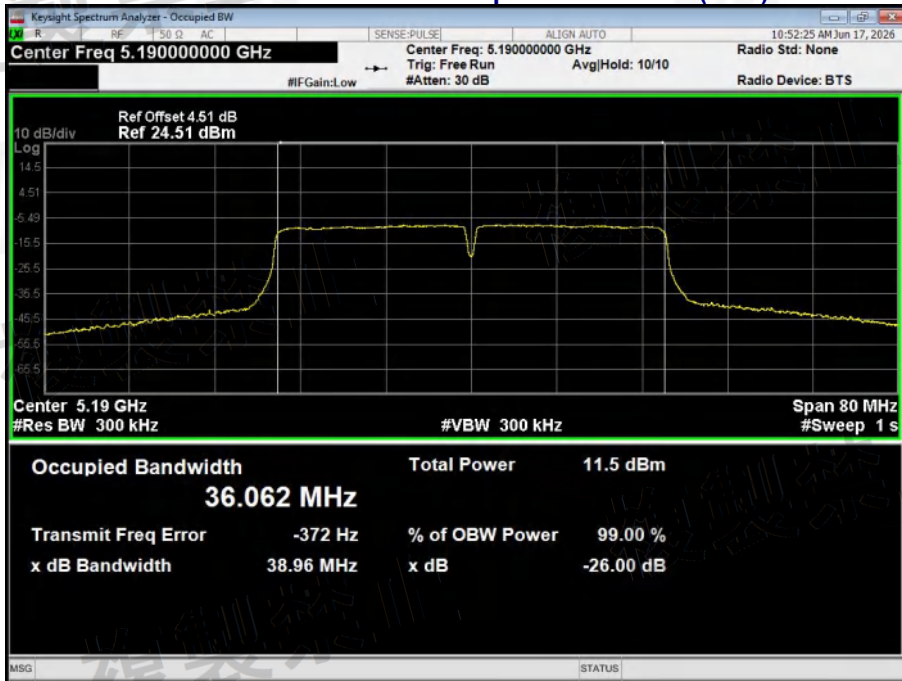




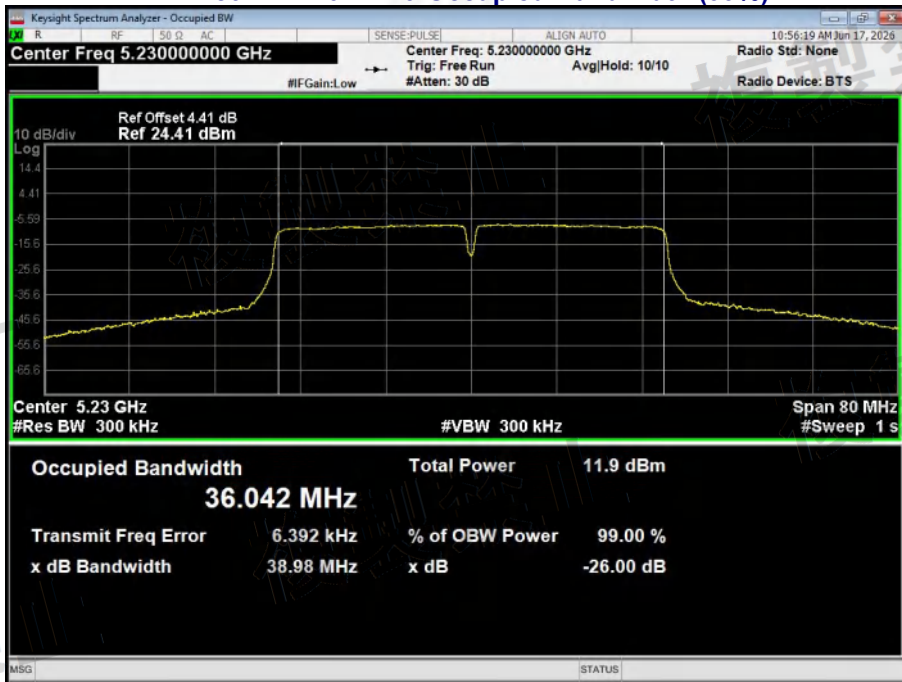
Operation Mode: Normal Voltage

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11n40		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH38	5190	36.062	≤40	PASS
	CH46	5230	36.042	≤40	PASS

IEEE 802.11n40 CH38-Occupied Bandwidth (99%)



IEEE 802.11n40 CH46-Occupied Bandwidth (99%)

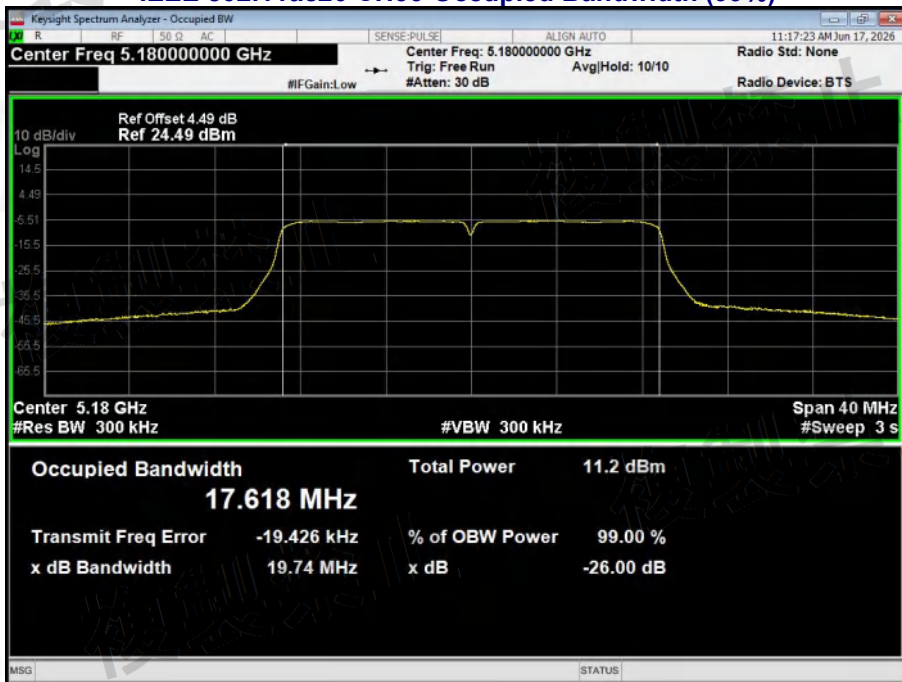




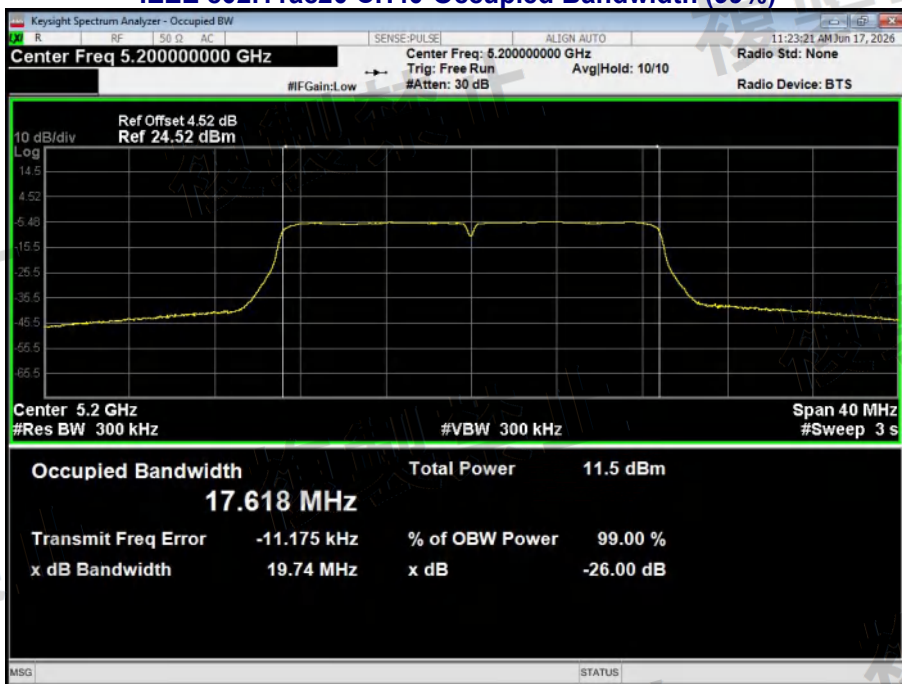
Operation Mode: Normal Voltage

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11ac20		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH36	5180	17.618	≤20	PASS
	CH40	5200	17.618	≤20	PASS
	CH48	5240	17.614	≤20	PASS

IEEE 802.11ac20 CH36-Occupied Bandwidth (99%)

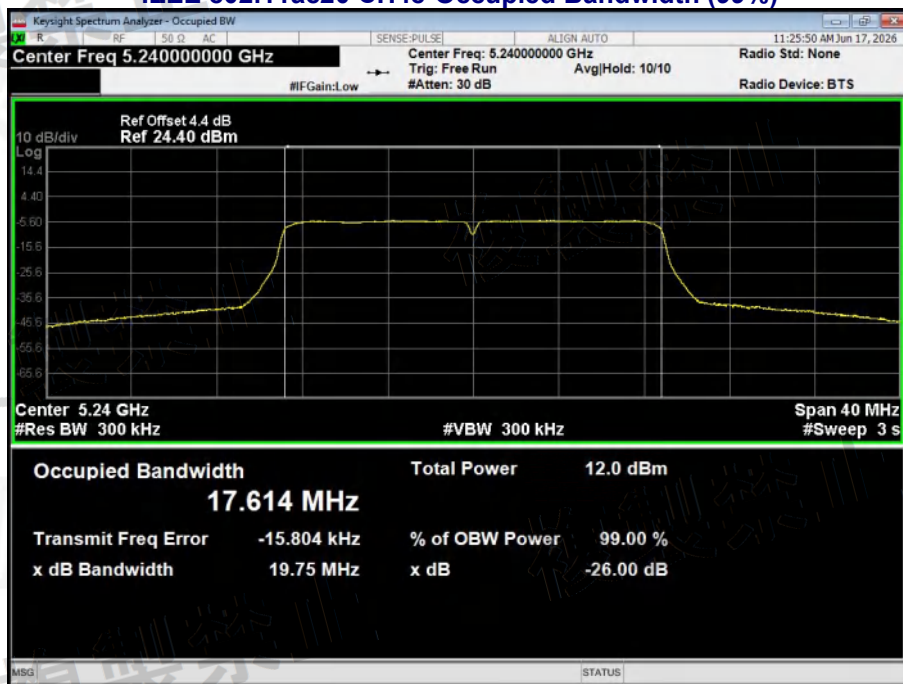


IEEE 802.11ac20 CH40-Occupied Bandwidth (99%)





IEEE 802.11ac20 CH48-Occupied Bandwidth (99%)

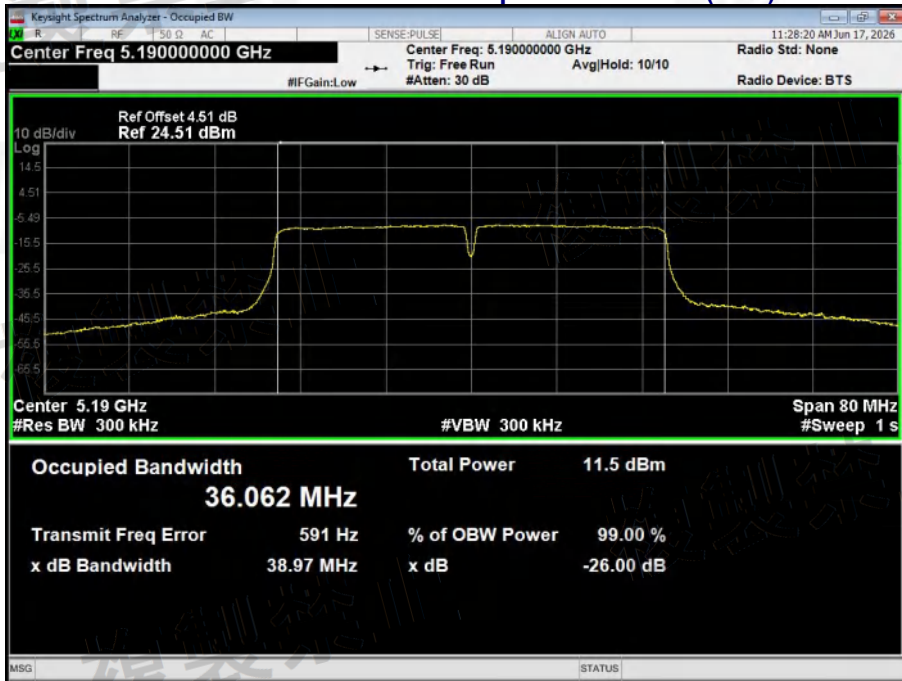




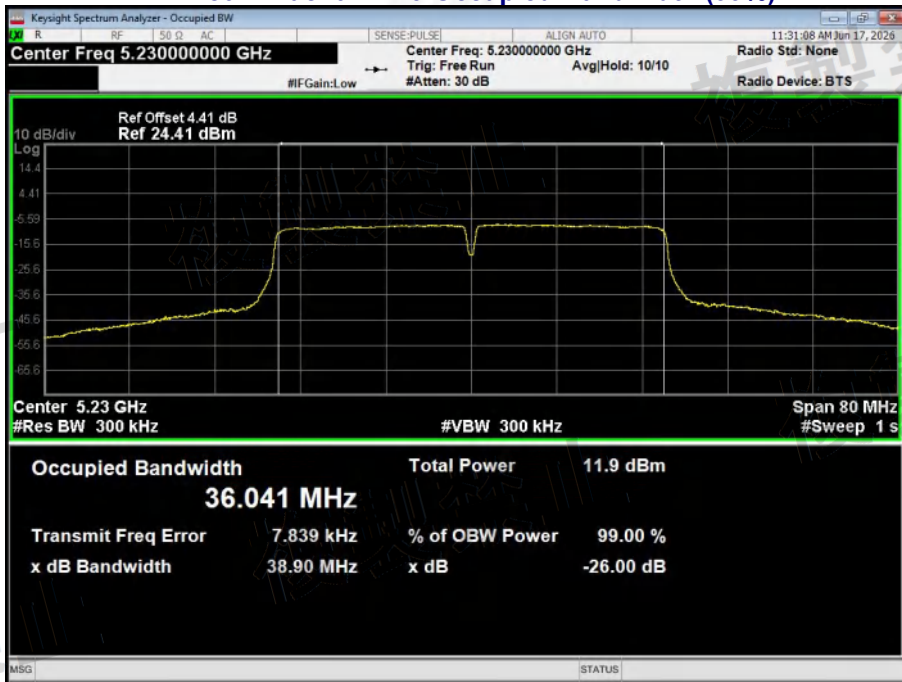
Operation Mode: Normal Voltage

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11ac40		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH38	5190	36.062	≤40	PASS
	CH46	5230	36.041	≤40	PASS

IEEE 802.11ac40 CH38-Occupied Bandwidth (99%)



IEEE 802.11ac40 CH46-Occupied Bandwidth (99%)

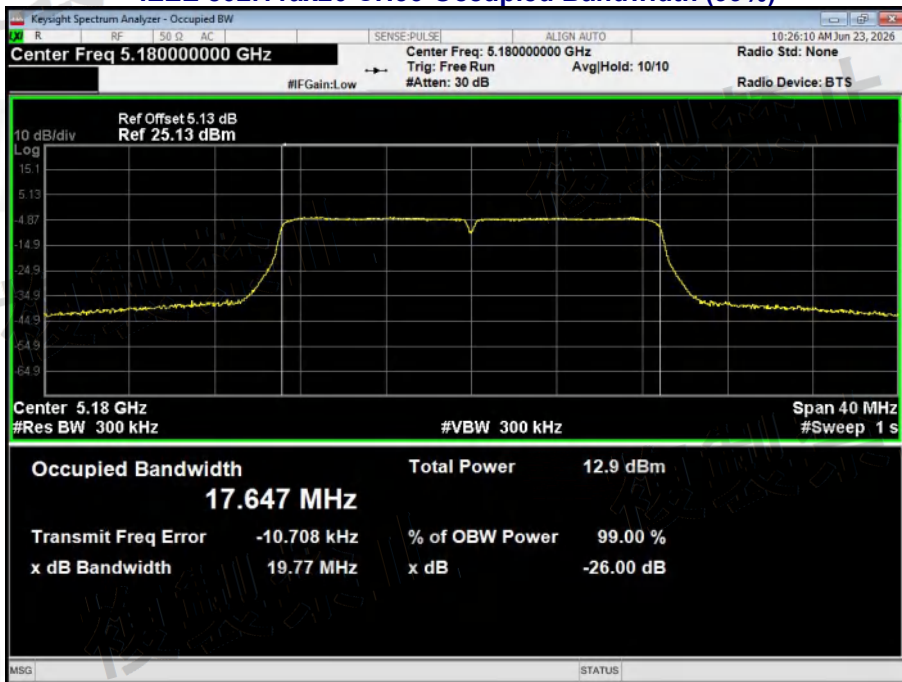




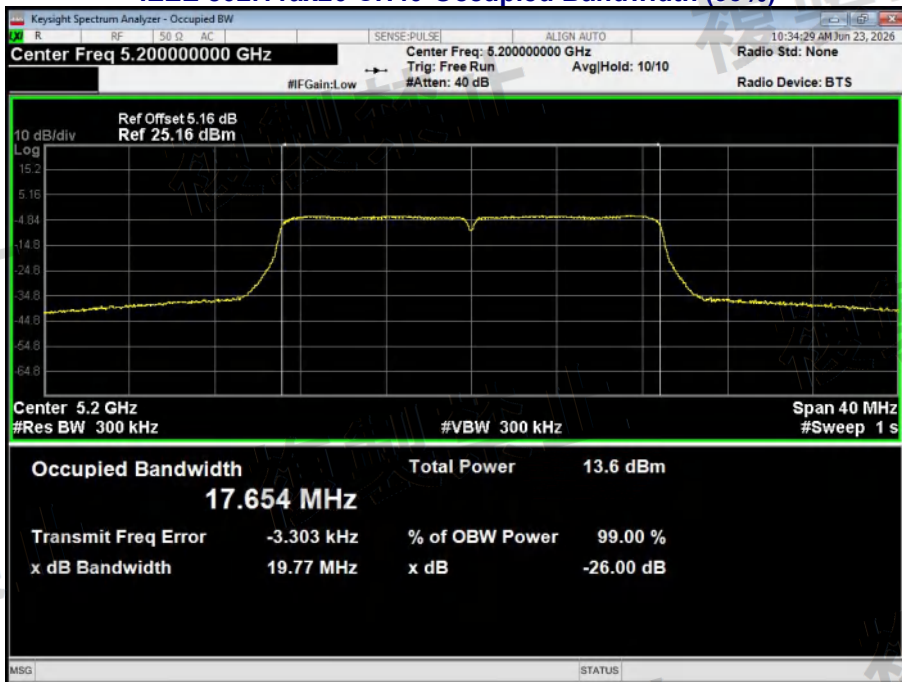
Operation Mode: Normal Voltage

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11ax20		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH36	5180	17.647	≤20	PASS
	CH40	5200	17.654	≤20	PASS
	CH48	5240	17.639	≤20	PASS

IEEE 802.11ax20 CH36-Occupied Bandwidth (99%)

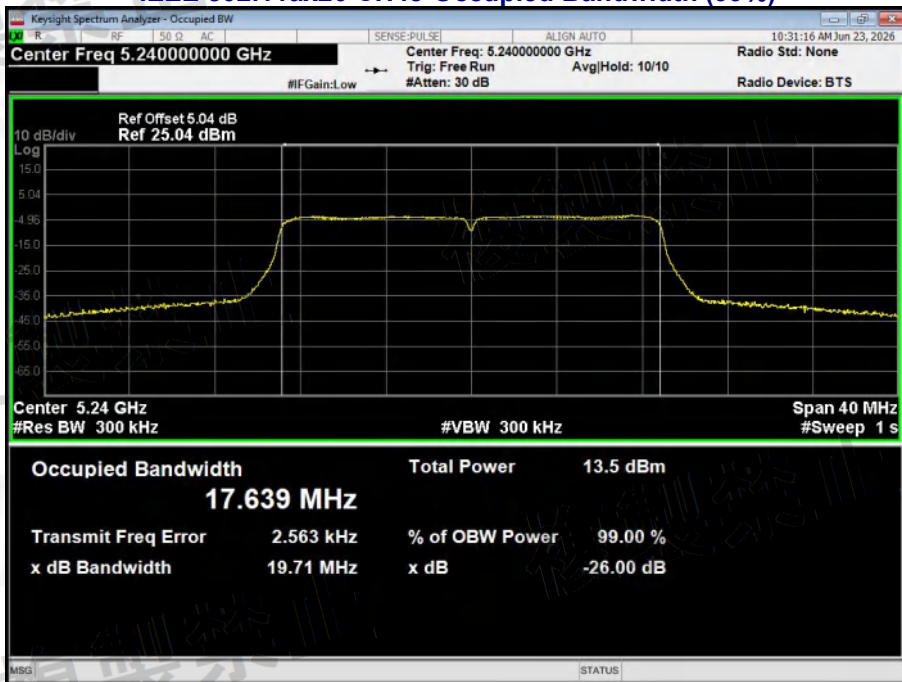


IEEE 802.11ax20 CH40-Occupied Bandwidth (99%)





IEEE 802.11ax20 CH48-Occupied Bandwidth (99%)

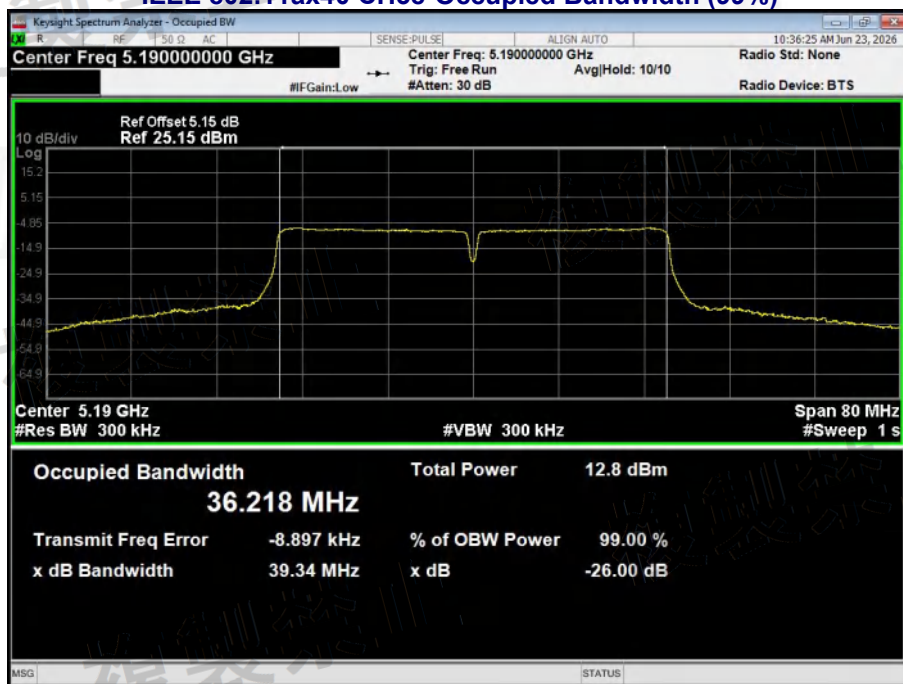




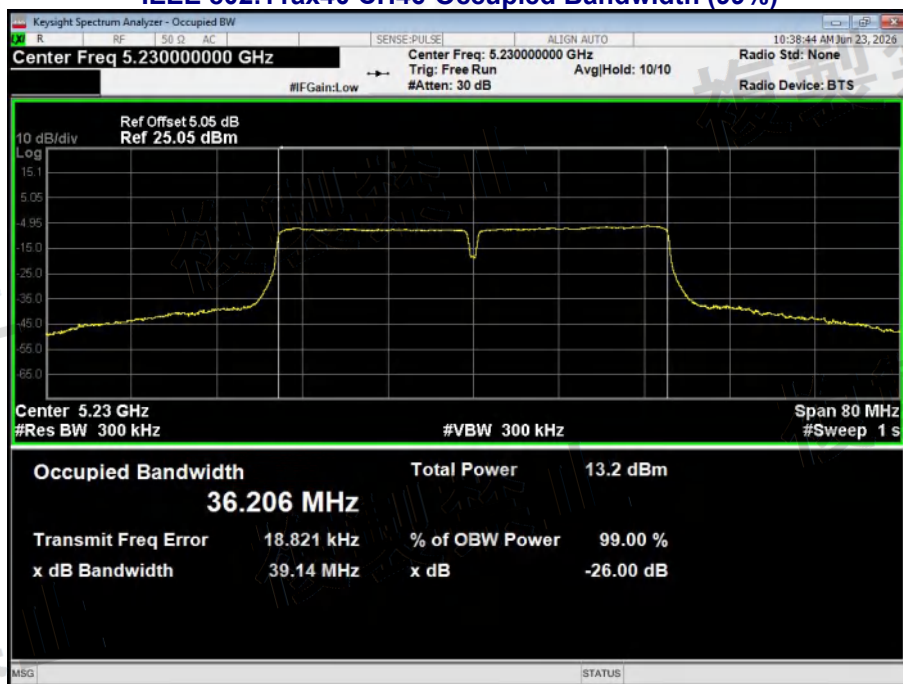
Operation Mode:	Normal Voltage
-----------------	----------------

Test Voltage	Channel	Test Frequency (MHz)	Occupied Bandwidth(MHz) IEEE 802.11ax40		
			99% OBW (MHz)	Limit (MHz)	RESULTS
Normal Voltage	CH38	5190	36.218	≤40	PASS
	CH46	5230	36.206	≤40	PASS

IEEE 802.11ax40 CH38-Occupied Bandwidth (99%)



IEEE 802.11ax40 CH46-Occupied Bandwidth (99%)





5.3 UNWANTED EMISSION INTENSITY MEASUREMENT & OUT-BAND LEAKAGE POWER

5.3.1 LIMIT

W52			
20MHz system		40MHz system	80MHz system
OBW: 18MHz or less	OBW: 18 - 20 MHz		
5,142 MHz or less : 2.5 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz	5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz	5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
	5,250 - 5,250.2 MHz : $10^{1-(9/3)(f-5.25)}$ mW/MHz		
5,250 - 5,251 MHz : $10^{1-(f-5)} mW/MHz$	5,250.2 - 5,251 MHz : $10^{1-(f-5)} mW/MHz$	5,250 - 5,251 MHz : $10^{-(f-20)+\log(1/2)} mW/MHz$	5,250 - 5,251 MHz : $10^{-(f-40)+\log(1/4)} mW/MHz$
5,251 - 5,260 MHz : $10^{-1-(9/90)(f-1)} mW/MHz$	5,251 - 5,260 MHz : $10^{-1-(9/90)(f-1)} mW/MHz$	5,251 - 5,270 MHz : $10^{-(9/100)(f-21)-1+\log(1/2)} mW/MHz$	5,251 - 5,290 MHz : $10^{-(9/300)(f-41)-1+\log(1/4)} mW/MHz$
5,260 - 5,266.7 MHz : $10^{-1.8-(9/50)(f-20)} mW/MHz$	5,260 - 5,266.7 MHz : $10^{-1.8-(9/50)(f-20)} mW/MHz$	5,270 - 5,278.4 MHz : $10^{-(3/50)(f-40)-1.8+\log(1/2)} mW/MHz$	5,290 - 5,296.7 MHz : $10^{-(3/100)(f-80)-1.8+\log(1/4)} mW/MHz$
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz	5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

5.3.2 MEASURING INSTRUMENTS AND SETTING

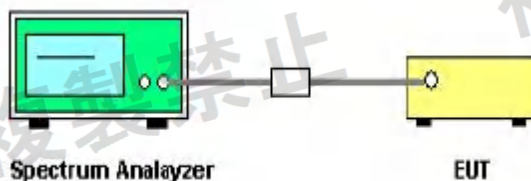
Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz / 1MHz
Detector	Average
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:
RB:1MHz / VB:1MHz / AT: 30dB Ref: 20dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Average
Trace mode: Max hold

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.



Test Voltage	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	EIRP (dBm)	ERIP ($\mu\text{W}/\text{MHz}$)	Limit Start ($\mu\text{W}/\text{MHz}$)	Limit Stop ($\mu\text{W}/\text{MHz}$)	Verdict
Normal	a	5180	30-5142	5141.74	-50.06	0.0099	2.5	2.5	Pass
Normal	a	5180	5142-5150	5149.99	-44.85	0.0327	15	15	Pass
Normal	a	5180	5250-5251	5250.8	-51.67	0.0068	1000	100	Pass
Normal	a	5180	5251-5260	5253.08	-51.97	0.0064	100	15.8	Pass
Normal	a	5180	5260-5266.7	5262.22	-52.08	0.0062	15.8	2.5	Pass
Normal	a	5180	5266.7-26000	25681.23	-37.1	0.1950	2.5	2.5	Pass
Normal	a	5200	30-5142	2614.5	-50.8	0.0083	2.5	2.5	Pass
Normal	a	5200	5142-5150	5149.33	-51	0.0079	15.8	15.8	Pass
Normal	a	5200	5250-5251	5250.95	-51.09	0.0078	1000	100	Pass
Normal	a	5200	5251-5260	5252.11	-51.34	0.0073	100	15.8	Pass
Normal	a	5200	5260-5266.7	5265.38	-51.58	0.0070	15.8	2.5	Pass
Normal	a	5200	5266.7-26000	25705.59	-37.01	0.1991	2.5	2.5	Pass
Normal	a	5240	30-5142	2620.12	-50.75	0.0084	2.5	2.5	Pass
Normal	a	5240	5142-5150	5143.25	-51.52	0.0070	15.8	15.8	Pass
Normal	a	5240	5250-5251	5250.03	-22.47	5.6624	1000	100	Pass
Normal	a	5240	5251-5260	5251.12	-24.27	3.7411	100	15.8	Pass
Normal	a	5240	5260-5266.7	5260.86	-35.58	0.2767	15.8	2.5	Pass
Normal	a	5240	5266.7-26000	25665.16	-37.2	0.1905	2.5	2.5	Pass
Normal	n20	5180	30-5142	5141.49	-49.51	0.0112	2.5	2.5	Pass
Normal	n20	5180	5142-5150	5149.97	-44.16	0.0384	15	15	Pass
Normal	n20	5180	5250-5251	5250.68	-51.58	0.0070	1000	100	Pass
Normal	n20	5180	5251-5260	5252.25	-52.01	0.0063	100	15.8	Pass
Normal	n20	5180	5260-5266.7	5260.65	-51.89	0.0065	15.8	2.5	Pass
Normal	n20	5180	5266.7-26000	25661.01	-37.04	0.1977	2.5	2.5	Pass
Normal	n20	5200	30-5142	3135.03	-50.58	0.0087	2.5	2.5	Pass
Normal	n20	5200	5142-5150	5147.89	-50.98	0.0080	15.8	15.8	Pass
Normal	n20	5200	5250-5251	5250.04	-50.97	0.0080	1000	100	Pass
Normal	n20	5200	5251-5260	5251.2	-51.37	0.0073	100	15.8	Pass
Normal	n20	5200	5260-5266.7	5260.39	-51.66	0.0068	15.8	2.5	Pass
Normal	n20	5200	5266.7-26000	25673.45	-37.16	0.1923	2.5	2.5	Pass
Normal	n20	5240	30-5142	2620.76	-50.68	0.0086	2.5	2.5	Pass
Normal	n20	5240	5142-5150	5149.29	-51.74	0.0067	15.8	15.8	Pass
Normal	n20	5240	5250-5251	5250.04	-19.14	12.1899	1000	100	Pass
Normal	n20	5240	5251-5260	5251.19	-23.92	4.0551	100	15.8	Pass
Normal	n20	5240	5260-5266.7	5260.03	-33.66	0.4305	15.8	2.5	Pass
Normal	n20	5240	5266.7-26000	25966.31	-36.98	0.2004	2.5	2.5	Pass



Normal	n40	5190	30-5141.6	5138.66	-46.06	0.0248	2.5	2.5	Pass
Normal	n40	5190	5141.6-5150	5149.61	-42.56	0.0555	15.8	15.8	Pass
Normal	n40	5190	5250-5251	5250.14	-46.98	0.0200	501.2	50.1	Pass
Normal	n40	5190	5251-5270	5251.1	-47.12	0.0194	50.1	7.9	Pass
Normal	n40	5190	5270-5278.4	5270.17	-51.12	0.0077	7.9	2.5	Pass
Normal	n40	5190	5278.4-26000	25691.77	-37	0.1995	2.5	2.5	Pass
Normal	n40	5230	30-5141.6	3114.21	-50.75	0.0084	2.5	2.5	Pass
Normal	n40	5230	5141.6-5150	5149.16	-51.21	0.0076	15.8	15.8	Pass
Normal	n40	5230	5250-5251	5250.03	-25.26	2.9785	501.2	50.1	Pass
Normal	n40	5230	5251-5270	5251.4	-28.08	1.5560	50.1	7.9	Pass
Normal	n40	5230	5270-5278.4	5270.11	-40.59	0.0873	7.9	2.5	Pass
Normal	n40	5230	5278.4-26000	25668.45	-37.11	0.1945	2.5	2.5	Pass
Normal	ac20	5180	30-5142	5141.87	-49.74	0.0106	2.5	2.5	Pass
Normal	ac20	5180	5142-5150	5148.56	-44.65	0.0343	15	15	Pass
Normal	ac20	5180	5250-5251	5250.03	-51.7	0.0068	1000	100	Pass
Normal	ac20	5180	5251-5260	5252.3	-51.63	0.0069	100	15.8	Pass
Normal	ac20	5180	5260-5266.7	5265.62	-52.1	0.0062	15.8	2.5	Pass
Normal	ac20	5180	5266.7-26000	25680.19	-37.16	0.1923	2.5	2.5	Pass
Normal	ac20	5200	30-5142	2618.08	-50.62	0.0087	2.5	2.5	Pass
Normal	ac20	5200	5142-5150	5149.67	-50.84	0.0082	15.8	15.8	Pass
Normal	ac20	5200	5250-5251	5250.74	-51.11	0.0077	1000	100	Pass
Normal	ac20	5200	5251-5260	5252.45	-51.23	0.0075	100	15.8	Pass
Normal	ac20	5200	5260-5266.7	5260.71	-51.65	0.0068	15.8	2.5	Pass
Normal	ac20	5200	5266.7-26000	25689	-36.89	0.2046	2.5	2.5	Pass
Normal	ac20	5240	30-5142	2607.73	-50.61	0.0087	2.5	2.5	Pass
Normal	ac20	5240	5142-5150	5148.01	-51.52	0.0070	15.8	15.8	Pass
Normal	ac20	5240	5250-5251	5250.01	-18.96	12.7057	1000	100	Pass
Normal	ac20	5240	5251-5260	5252.35	-25.08	3.1046	100	15.8	Pass
Normal	ac20	5240	5260-5266.7	5260.24	-31.9	0.6457	15.8	2.5	Pass
Normal	ac20	5240	5266.7-26000	25971.49	-37.29	0.1866	2.5	2.5	Pass
Normal	ac40	5190	30-5141.6	5139.94	-45.91	0.0256	2.5	2.5	Pass
Normal	ac40	5190	5141.6-5150	5149.37	-42.59	0.0551	15.8	15.8	Pass
Normal	ac40	5190	5250-5251	5250.08	-47.05	0.0197	501.2	50.1	Pass
Normal	ac40	5190	5251-5270	5251.25	-47.72	0.0169	50.1	7.9	Pass
Normal	ac40	5190	5270-5278.4	5273.24	-51.09	0.0078	7.9	2.5	Pass
Normal	ac40	5190	5278.4-26000	25672.08	-37.02	0.1986	2.5	2.5	Pass
Normal	ac40	5230	30-5141.6	2612.64	-50.47	0.0090	2.5	2.5	Pass
Normal	ac40	5230	5141.6-5150	5149.86	-51.4	0.0072	15.8	15.8	Pass
Normal	ac40	5230	5250-5251	5250.1	-25.74	2.6669	501.2	50.1	Pass
Normal	ac40	5230	5251-5270	5253.59	-27.31	1.8578	50.1	7.9	Pass
Normal	ac40	5230	5270-5278.4	5270.08	-40.26	0.0942	7.9	2.5	Pass
Normal	ac40	5230	5278.4-26000	25917.11	-37.24	0.1888	2.5	2.5	Pass



Normal	ax20	5180	30-5142	5141.87	-47.28	0.0187	2.5	2.5	Pass
Normal	ax20	5180	5142-5150	5149.92	-41	0.0794	15	15	Pass
Normal	ax20	5180	5250-5251	5250.19	-50.98	0.0080	1000	100	Pass
Normal	ax20	5180	5251-5260	5255.21	-51.2	0.0076	100	15.8	Pass
Normal	ax20	5180	5260-5266.7	5266.34	-50.79	0.0083	15.8	2.5	Pass
Normal	ax20	5180	5266.7-26000	25693.67	-36.24	0.2377	2.5	2.5	Pass
Normal	ax20	5200	30-5142	5126.41	-50	0.0100	2.5	2.5	Pass
Normal	ax20	5200	5142-5150	5149.79	-49.78	0.0105	15.8	15.8	Pass
Normal	ax20	5200	5250-5251	5250.16	-49.08	0.0124	1000	100	Pass
Normal	ax20	5200	5251-5260	5251.42	-49.4	0.0115	100	15.8	Pass
Normal	ax20	5200	5260-5266.7	5260.12	-50	0.0100	15.8	2.5	Pass
Normal	ax20	5200	5266.7-26000	25658.94	-36.47	0.2254	2.5	2.5	Pass
Normal	ax20	5240	30-5142	2605.04	-50.14	0.0097	2.5	2.5	Pass
Normal	ax20	5240	5142-5150	5144.58	-50.92	0.0081	15.8	15.8	Pass
Normal	ax20	5240	5250-5251	5250.03	-17.53	17.6604	1000	100	Pass
Normal	ax20	5240	5251-5260	5252.36	-22.52	5.5976	100	15.8	Pass
Normal	ax20	5240	5260-5266.7	5260.22	-30.67	0.8570	15.8	2.5	Pass
Normal	ax20	5240	5266.7-26000	25945.06	-36.43	0.2275	2.5	2.5	Pass
Normal	ax40	5190	30-5141.6	5141.34	-44.09	0.0390	2.5	2.5	Pass
Normal	ax40	5190	5141.6-5150	5148.41	-37.87	0.1633	15.8	15.8	Pass
Normal	ax40	5190	5250-5251	5250.2	-43.68	0.0429	501.2	50.1	Pass
Normal	ax40	5190	5251-5270	5251.3	-44.19	0.0381	50.1	7.9	Pass
Normal	ax40	5190	5270-5278.4	5271.01	-48.78	0.0132	7.9	2.5	Pass
Normal	ax40	5190	5278.4-26000	25666.38	-36.36	0.2312	2.5	2.5	Pass
Normal	ax40	5230	30-5141.6	3116.9	-50.08	0.0098	2.5	2.5	Pass
Normal	ax40	5230	5141.6-5150	5147.42	-50.27	0.0094	15.8	15.8	Pass
Normal	ax40	5230	5250-5251	5250	-23	5.0119	501.2	50.1	Pass
Normal	ax40	5230	5251-5270	5254.61	-25.36	2.9107	50.1	7.9	Pass
Normal	ax40	5230	5270-5278.4	5270.86	-38.86	0.1300	7.9	2.5	Pass
Normal	ax40	5230	5278.4-26000	25677.78	-36.4	0.2291	2.5	2.5	Pass

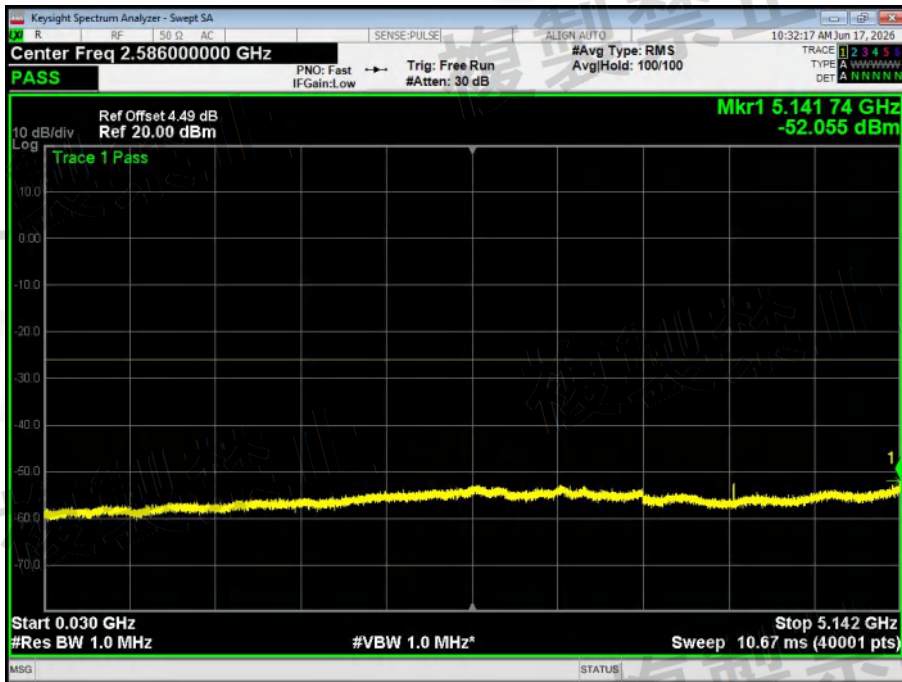
EIRP = Max Value + Antenna Gain.



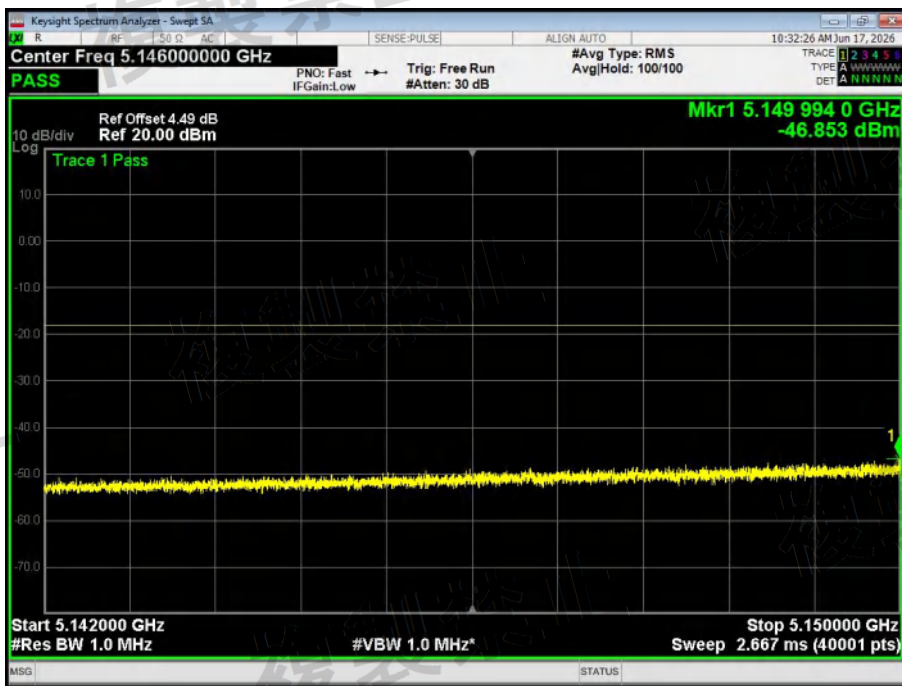
5.3.7 TEST RESULT

Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11a CH36 - (30MHz - 5142MHz)

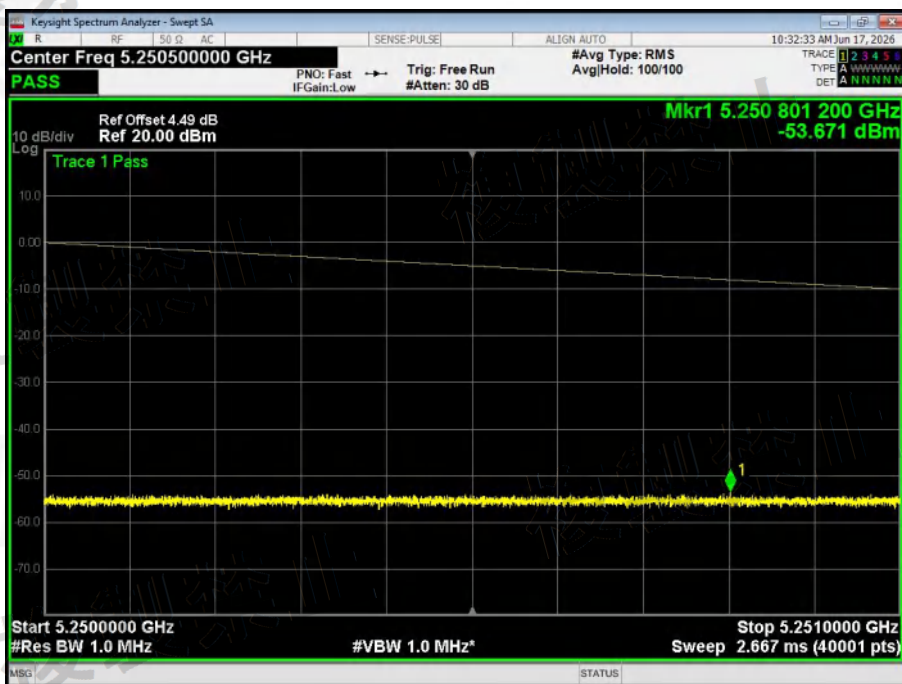


IEEE 802.11a CH36 - (5142MHz-5150MHz)

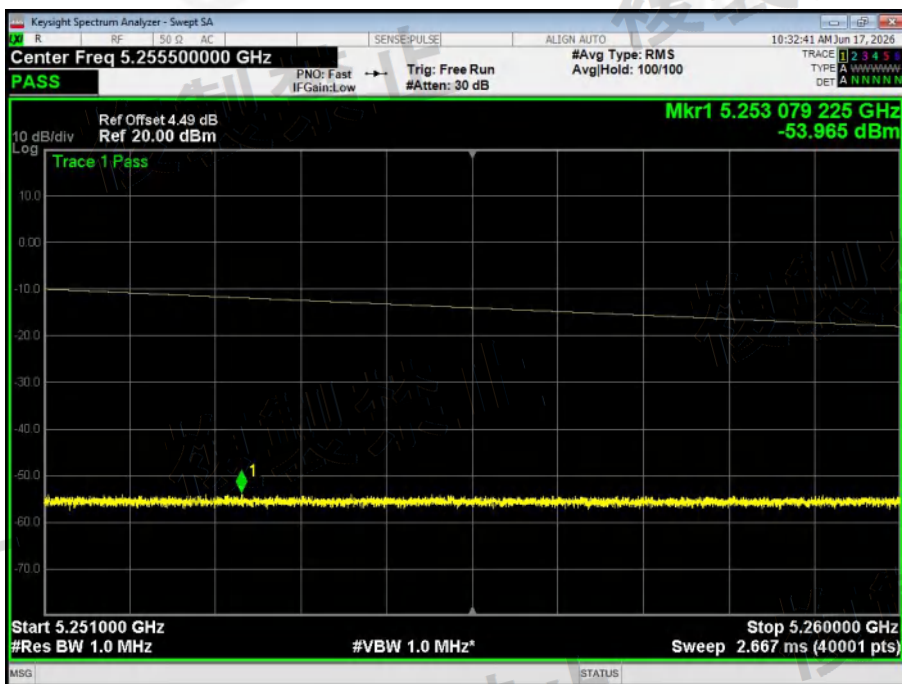




IEEE 802.11a CH36 - (5250MHz-5251MHz)

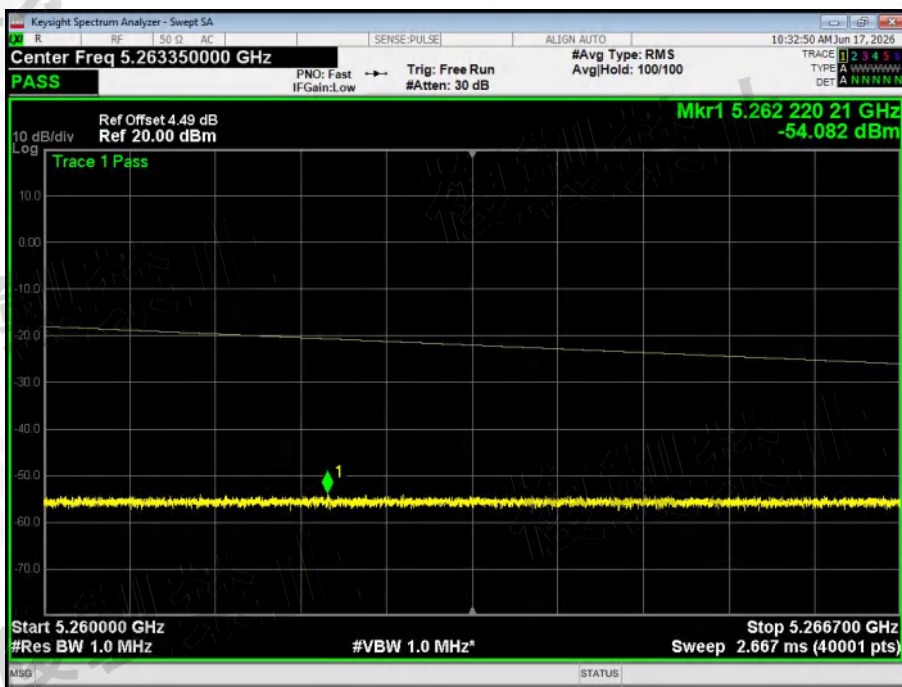


IEEE 802.11a CH36 - (5251MHz-5260MHz)





IEEE 802.11a CH36 - (5260MHz-5266.7MHz)



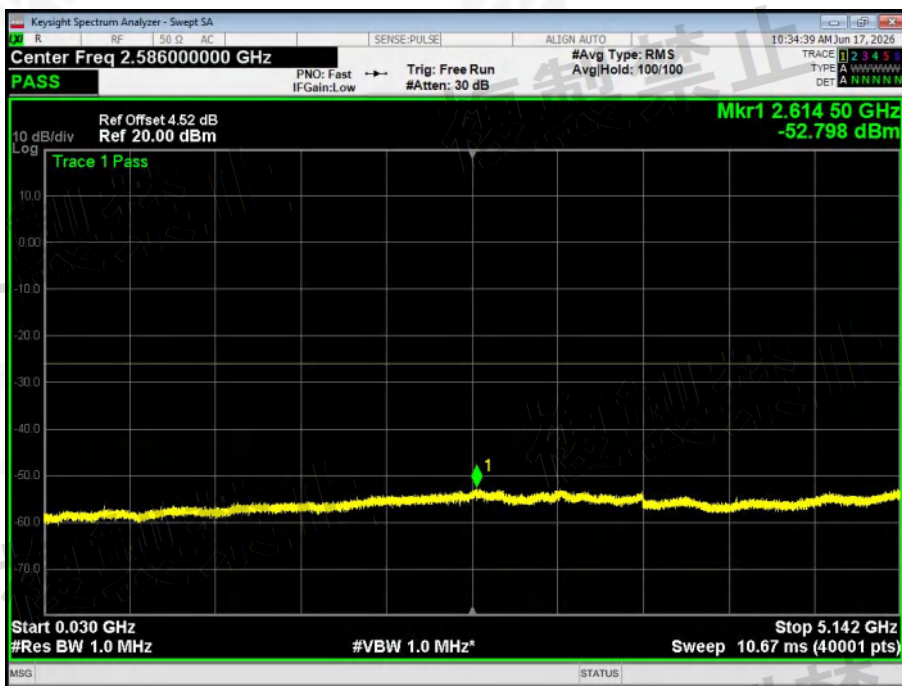
IEEE 802.11a CH36 - (5266.7MHz-26000MHz)



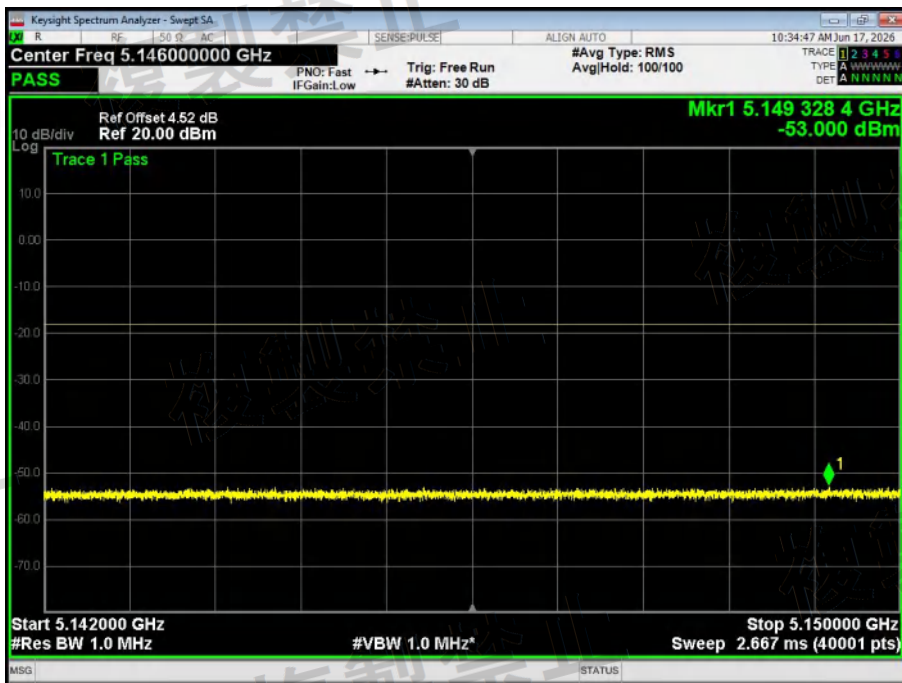


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11a CH40 - (30MHz - 5142MHz)

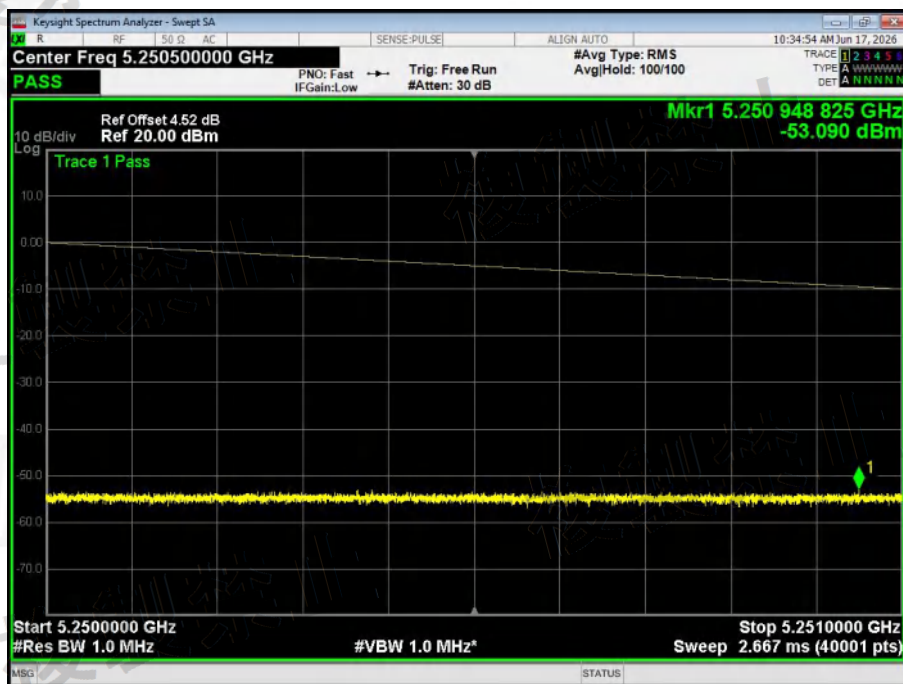


IEEE 802.11a CH40 - (5142MHz-5150MHz)





IEEE 802.11a CH40 - (5250MHz-5251MHz)

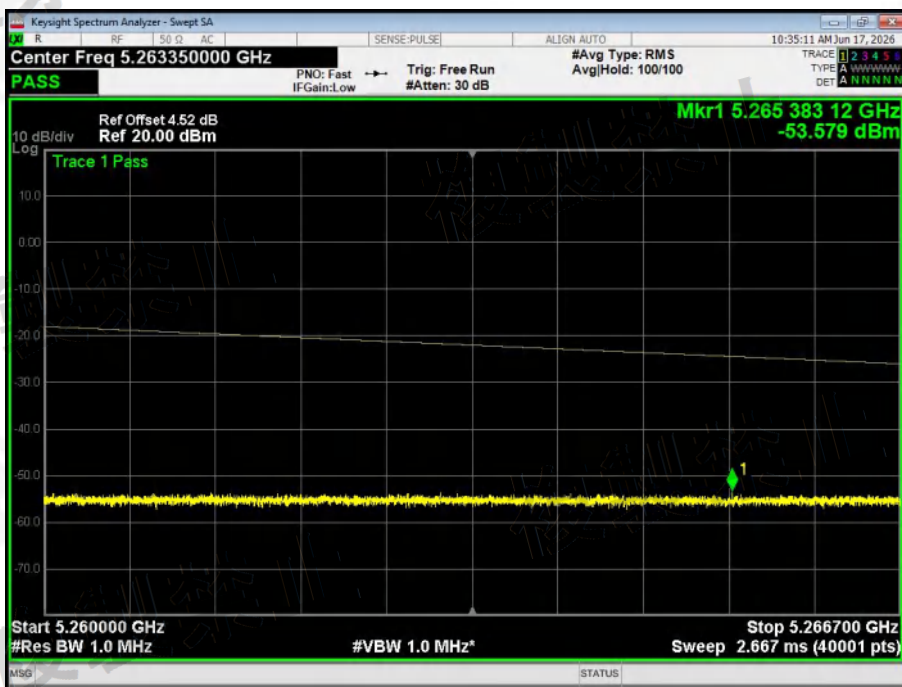


IEEE 802.11a CH40 - (5251MHz-5260MHz)





IEEE 802.11a CH40 - (5260MHz-5266.7MHz)



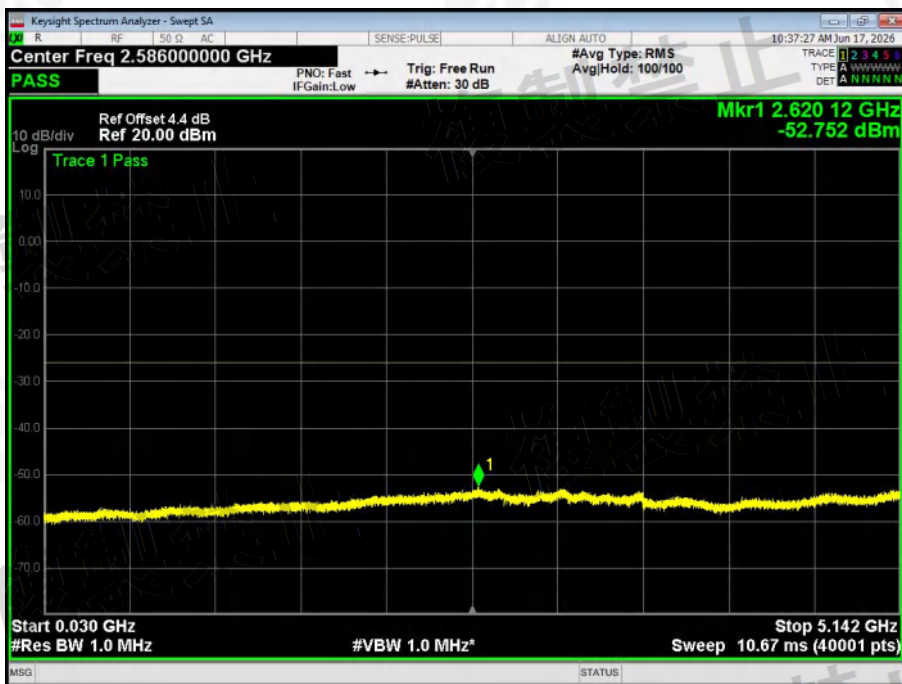
IEEE 802.11a CH40 - (5266.7MHz-26000MHz)



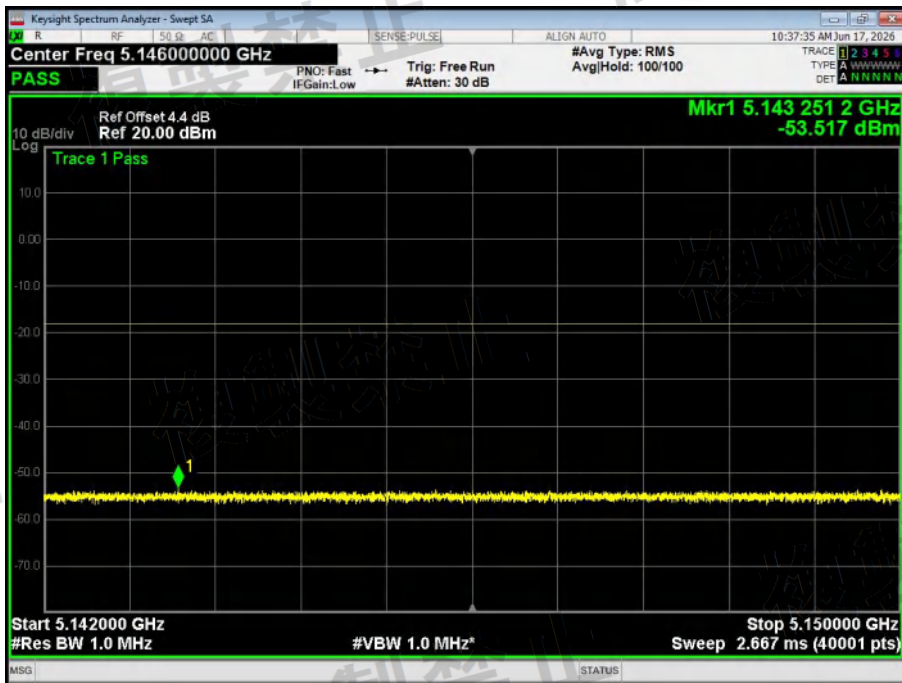


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11a CH48 - (30MHz - 5142MHz)

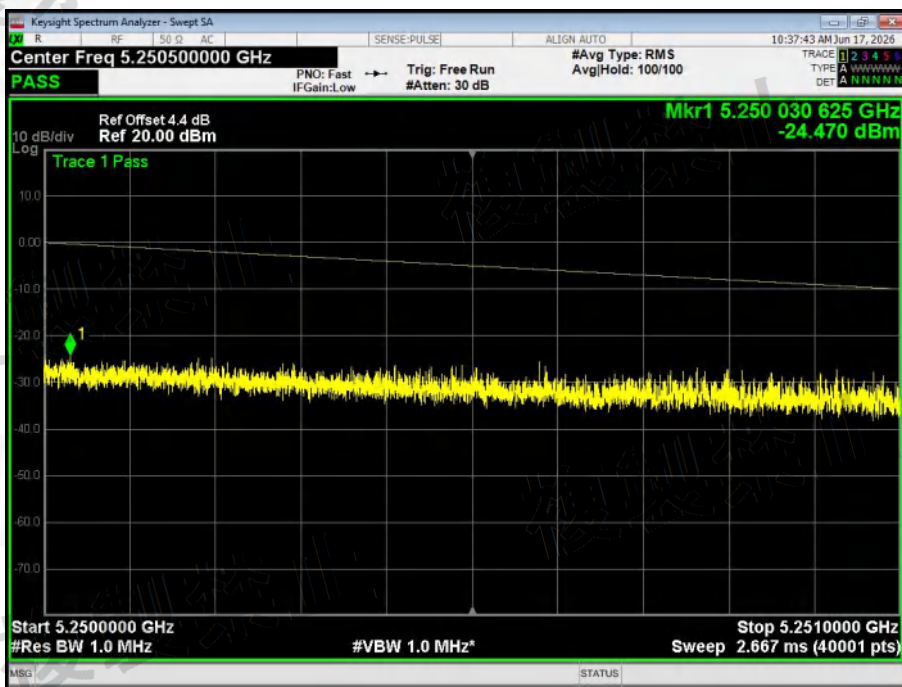


IEEE 802.11a CH48 - (5142MHz-5150MHz)

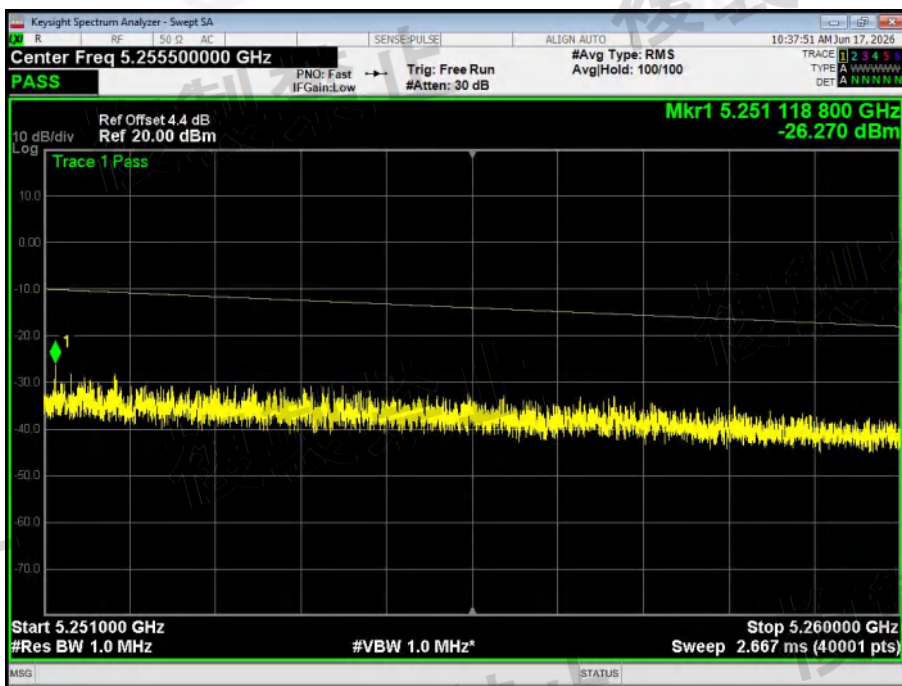




IEEE 802.11a CH48 - (5250MHz-5251MHz)

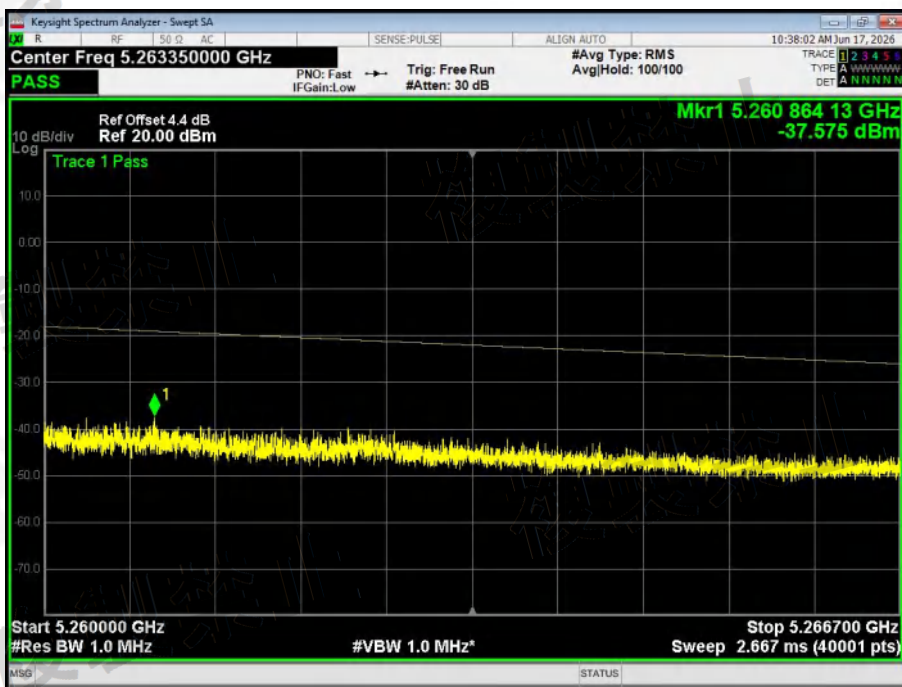


IEEE 802.11a CH48 - (5251MHz-5260MHz)





IEEE 802.11a CH48 - (5260MHz-5266.7MHz)



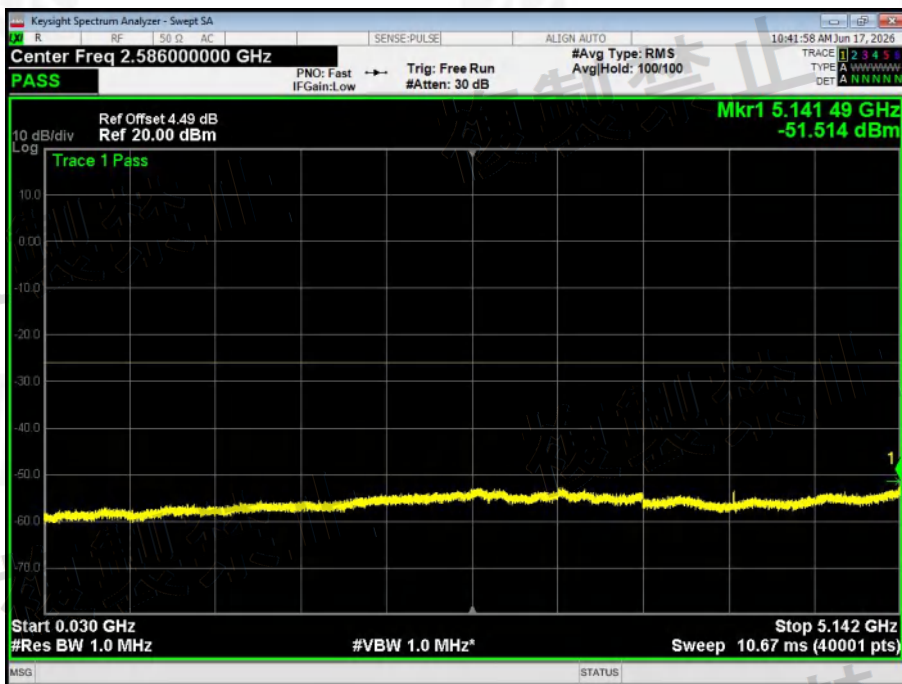
IEEE 802.11a CH48 - (5266.7MHz-26000MHz)



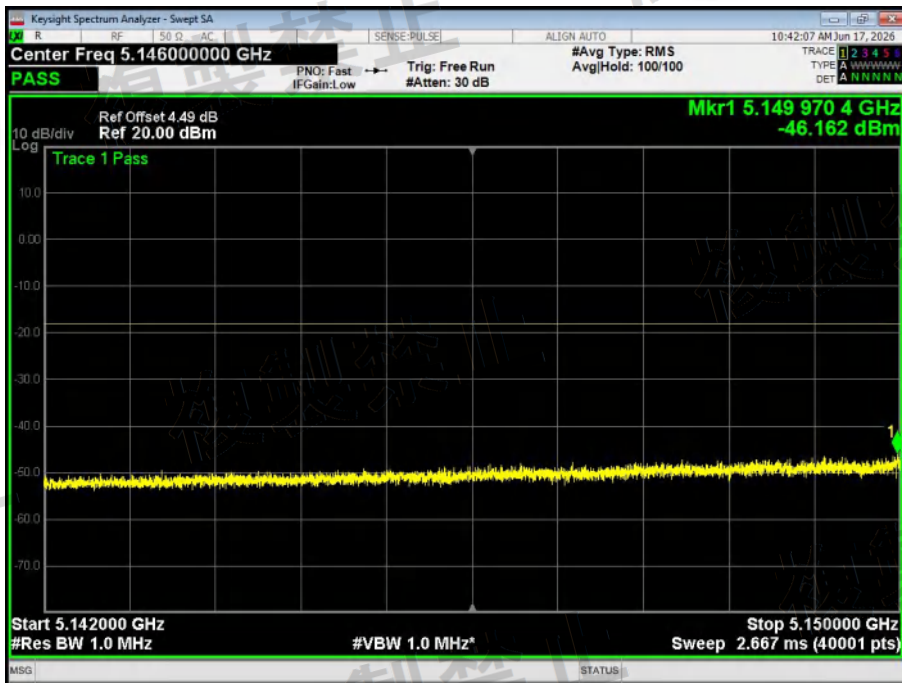


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11n20 CH36 - (30MHz - 5142MHz)

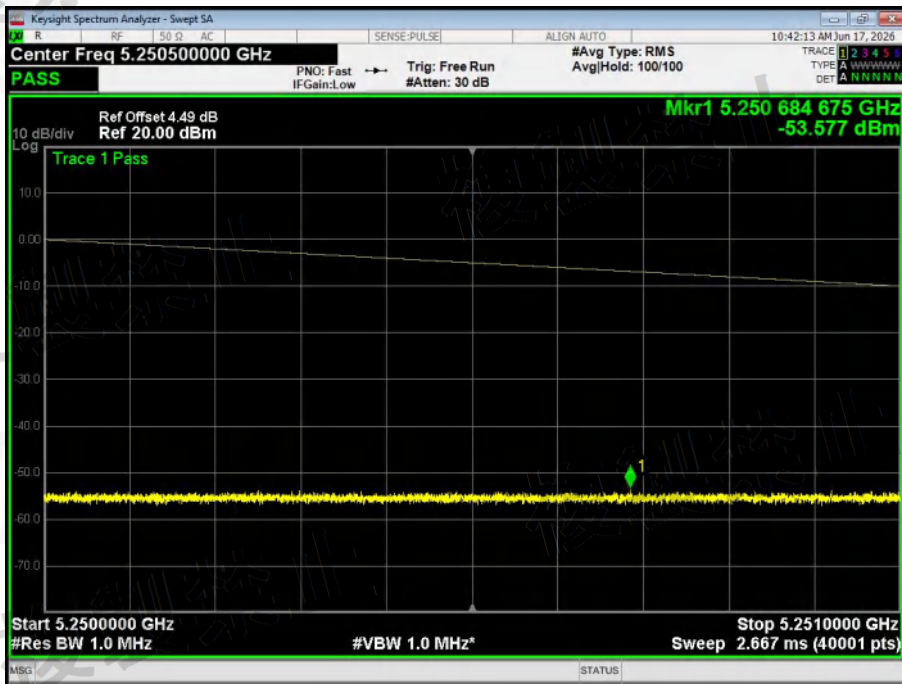


IEEE 802.11n20 CH36 - (5142MHz-5150MHz)

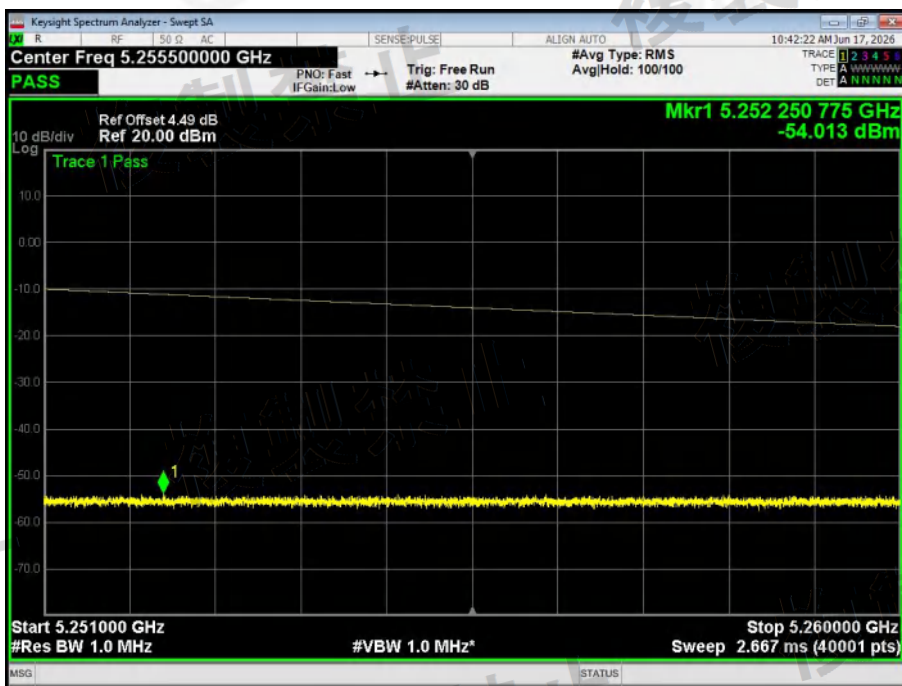




IEEE 802.11n20 CH36 - (5250MHz-5251MHz)

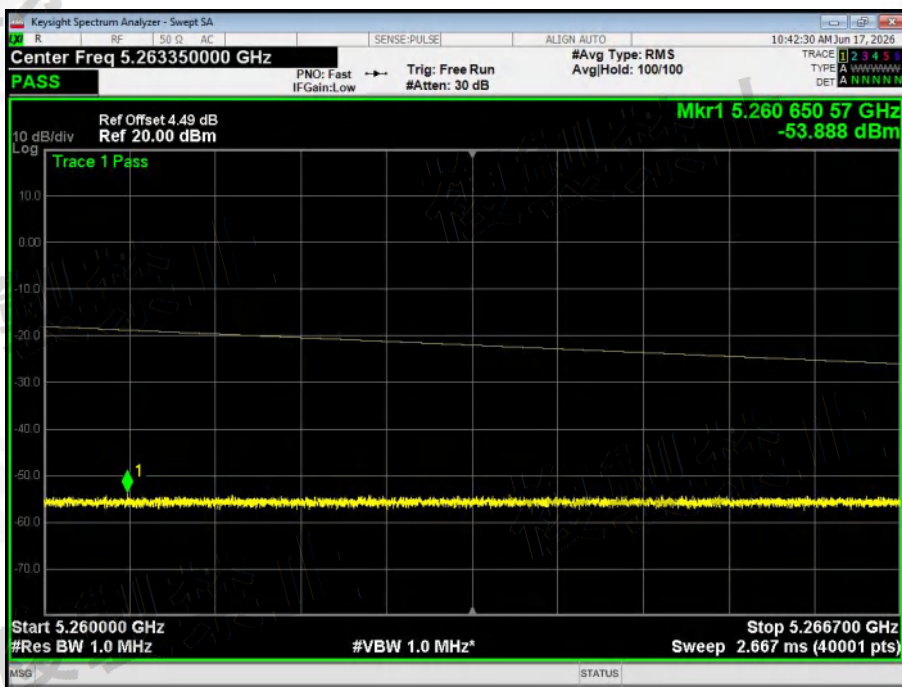


IEEE 802.11n20 CH36 - (5251MHz-5260MHz)





IEEE 802.11n20 CH36 - (5260MHz-5266.7MHz)



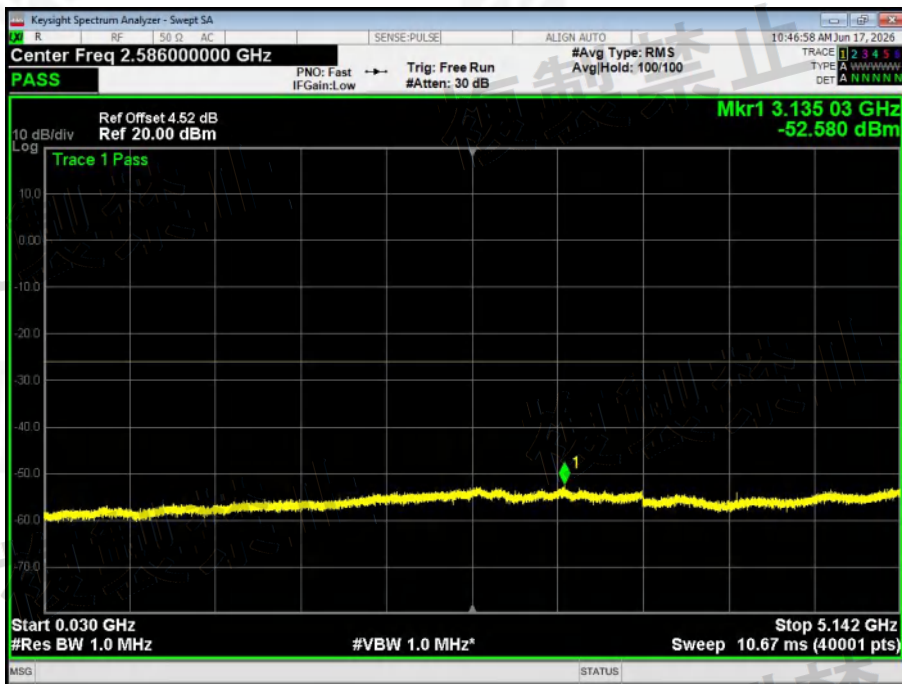
IEEE 802.11n20 CH36 - (5266.7MHz-26000MHz)



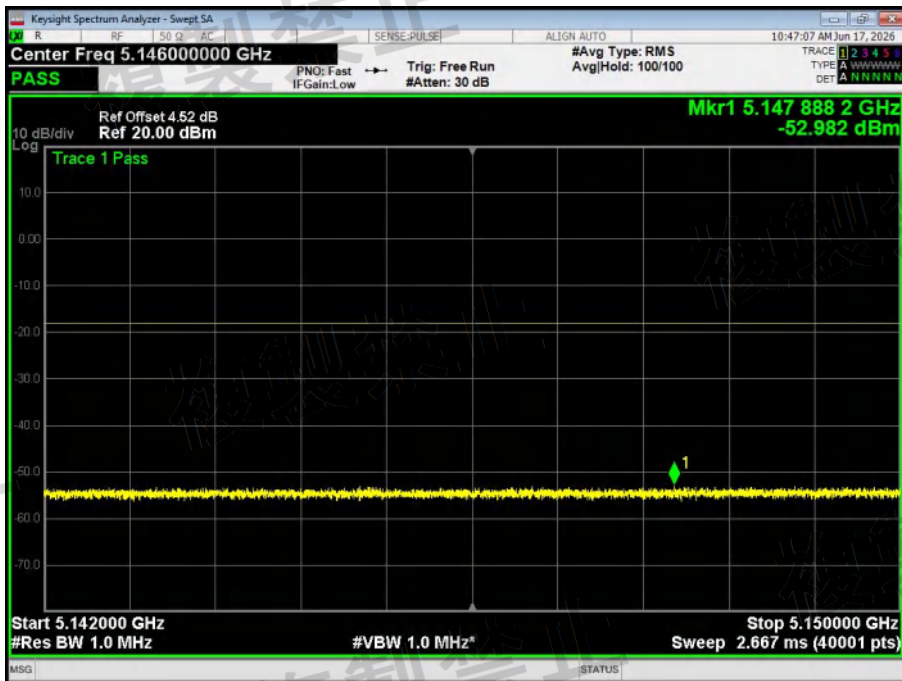


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11n20 CH40 - (30MHz - 5142MHz)

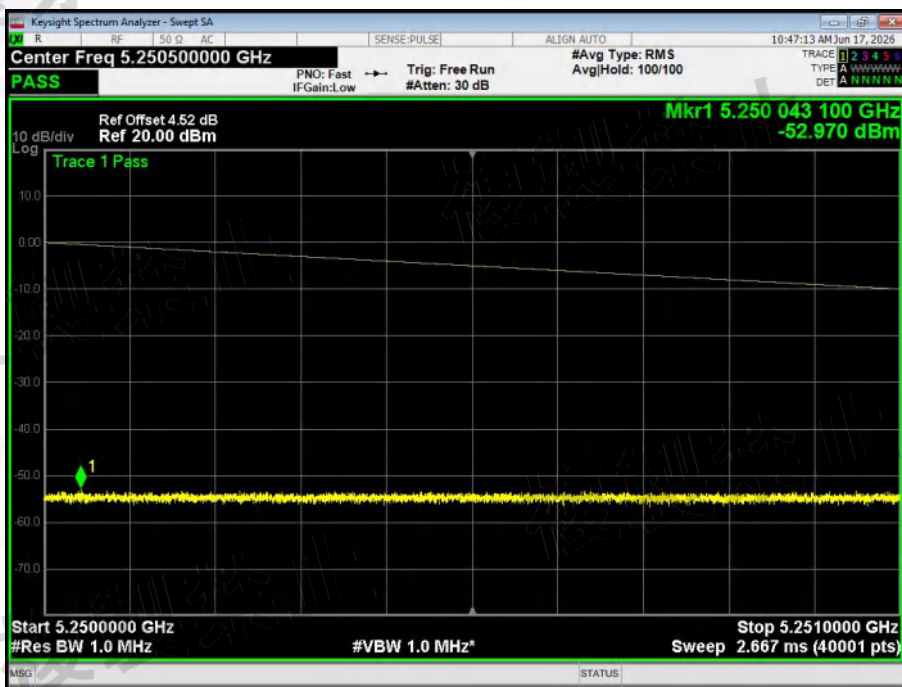


IEEE 802.11n20 CH40 - (5142MHz-5150MHz)

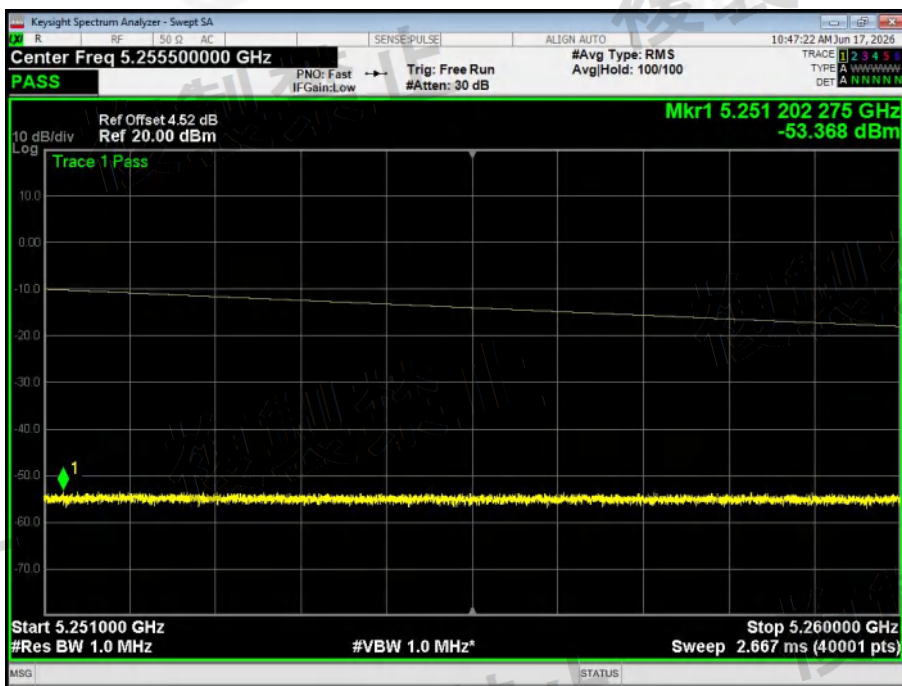




IEEE 802.11n20 CH40 - (5250MHz-5251MHz)

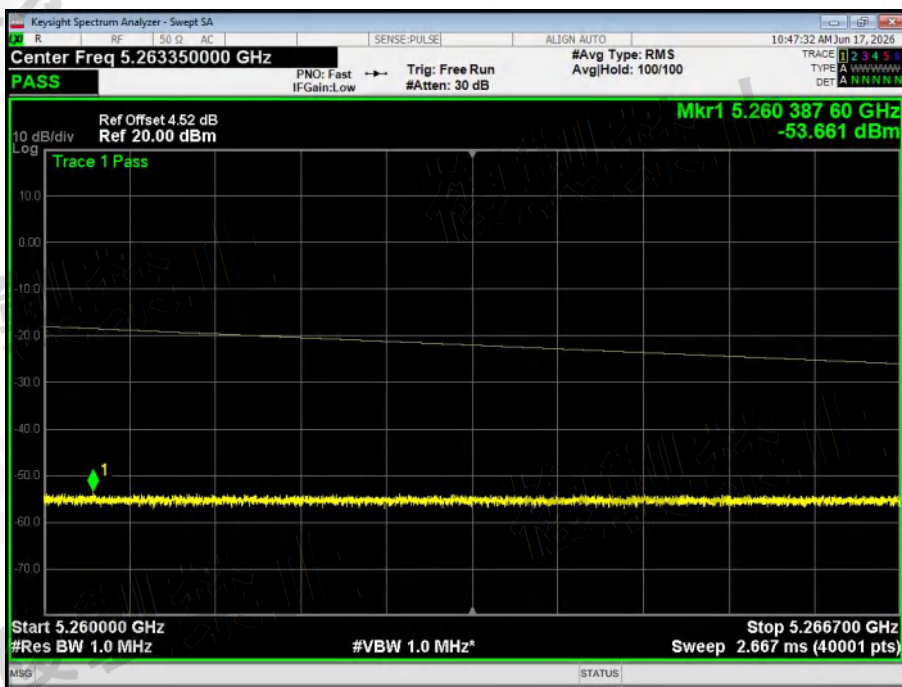


IEEE 802.11n20 CH40 - (5251MHz-5260MHz)





IEEE 802.11n20 CH40 - (5260MHz-5266.7MHz)



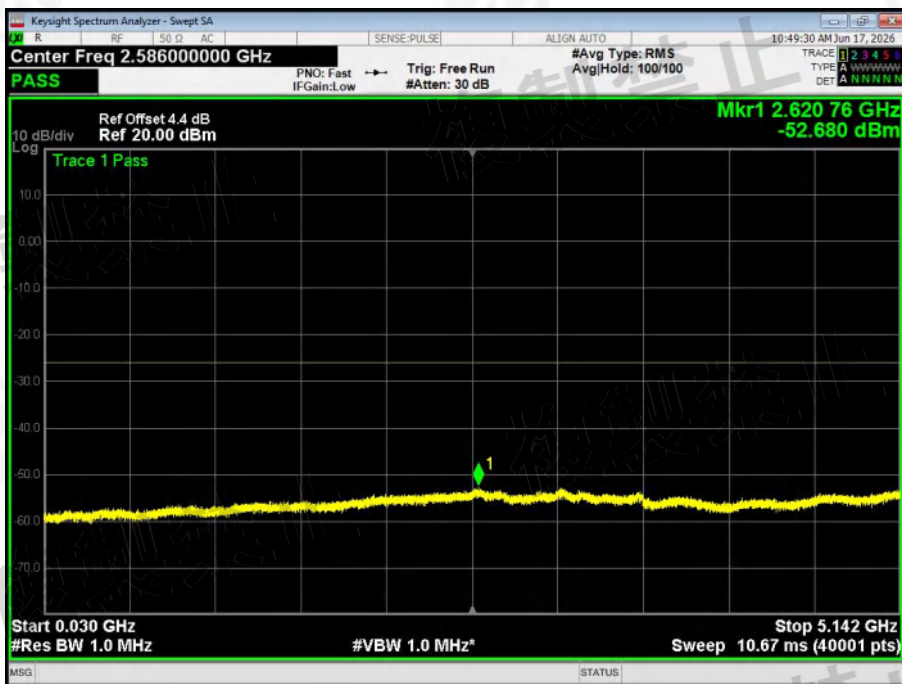
IEEE 802.11n20 CH40 - (5266.7MHz-26000MHz)



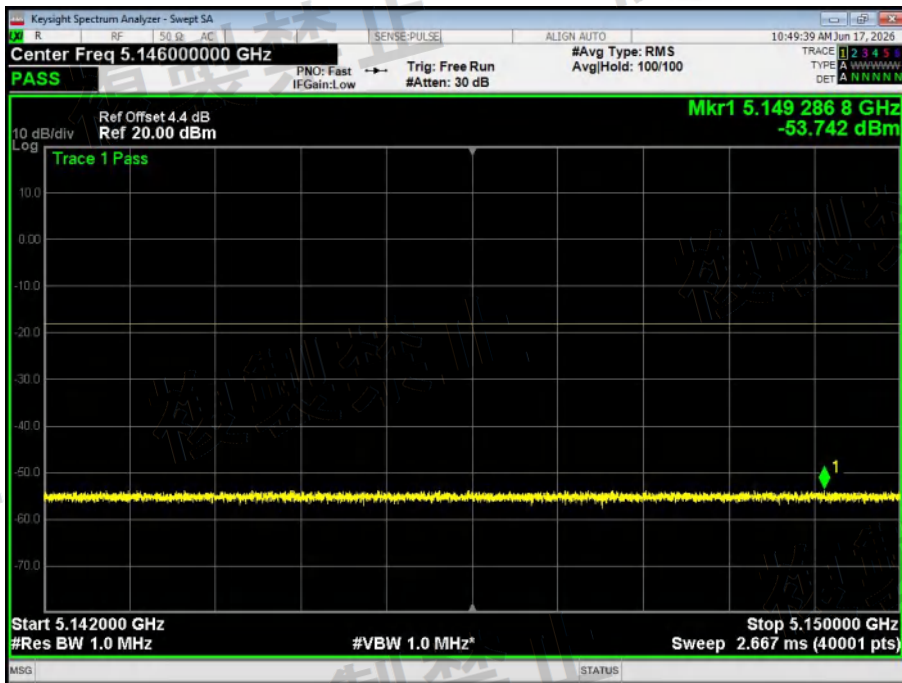


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11n20 CH48 - (30MHz - 5142MHz)

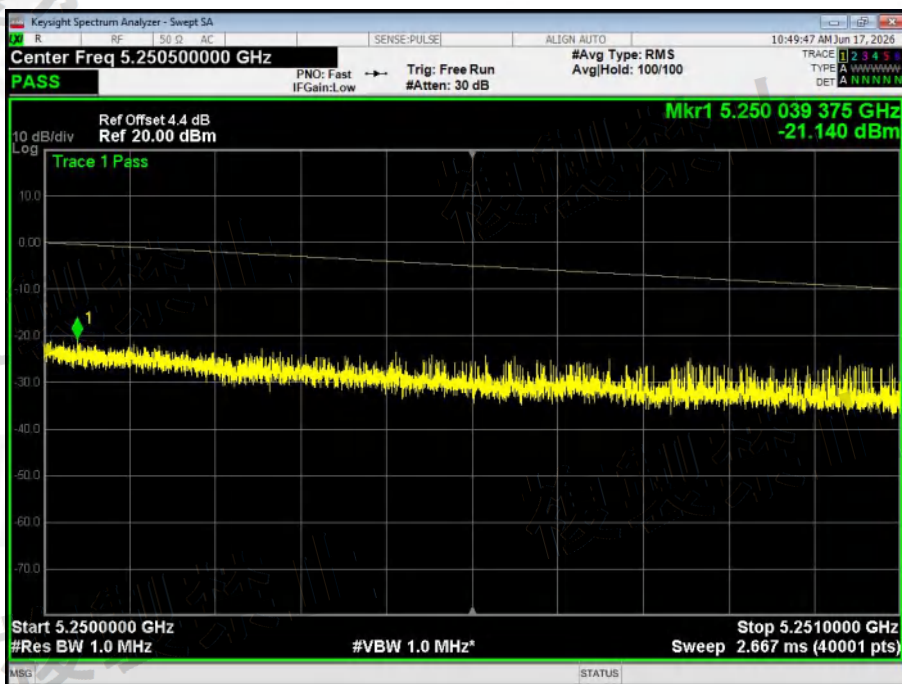


IEEE 802.11n20 CH48 - (5142MHz-5150MHz)

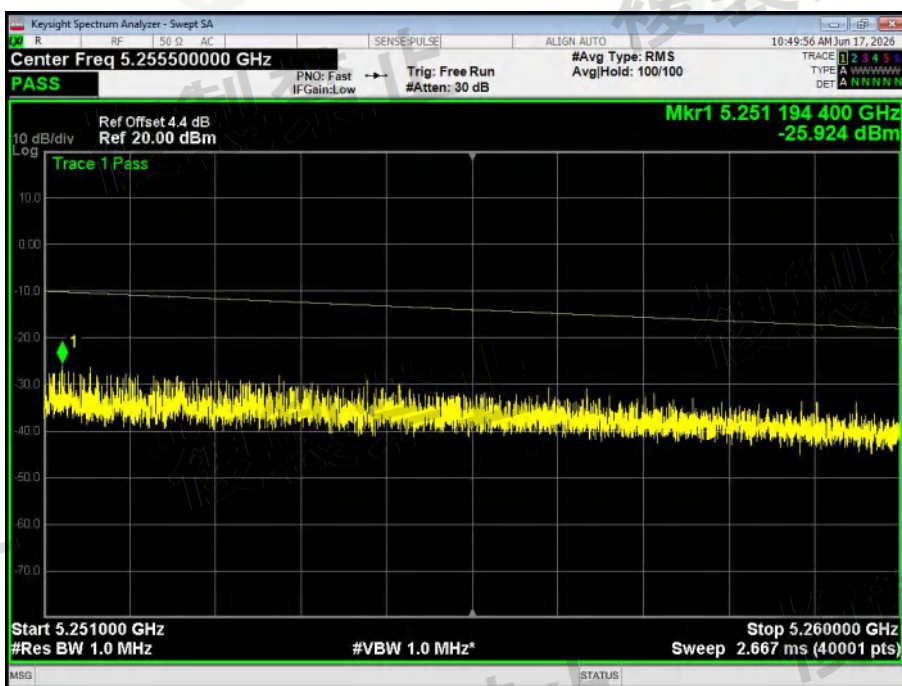




IEEE 802.11n20 CH48 - (5250MHz-5251MHz)

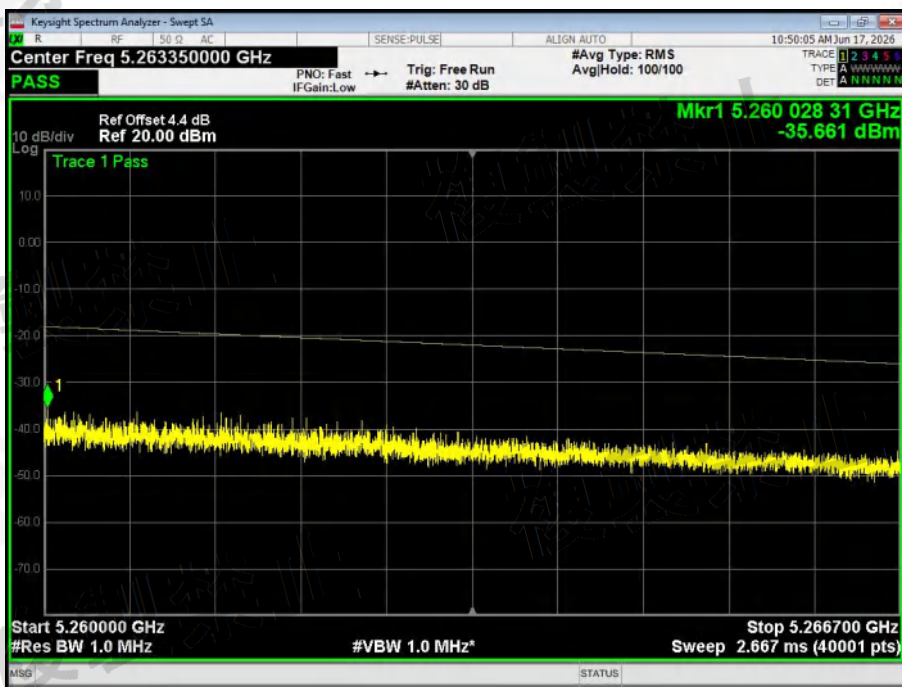


IEEE 802.11n20 CH48 - (5251MHz-5260MHz)





IEEE 802.11n20 CH48 - (5260MHz-5266.7MHz)



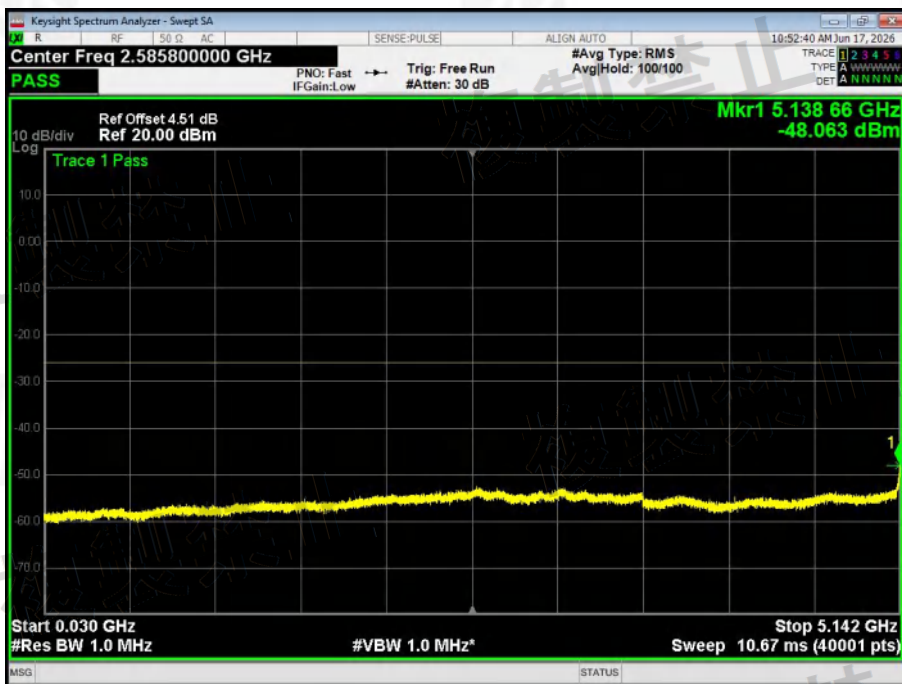
IEEE 802.11n20 CH48 - (5266.7MHz-26000MHz)



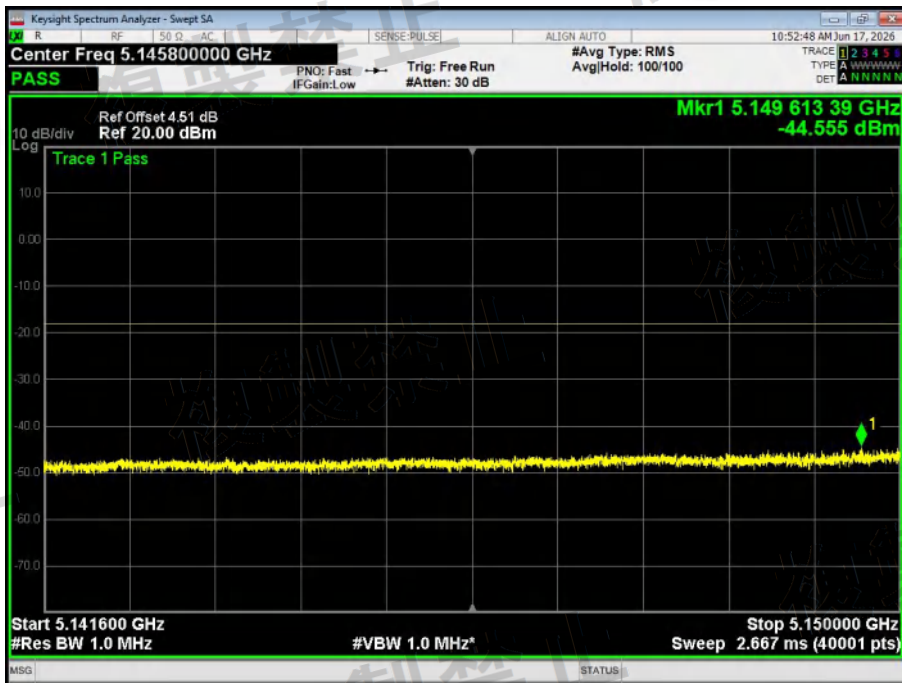


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11n40 CH38 - (30MHz - 5141.6MHz)

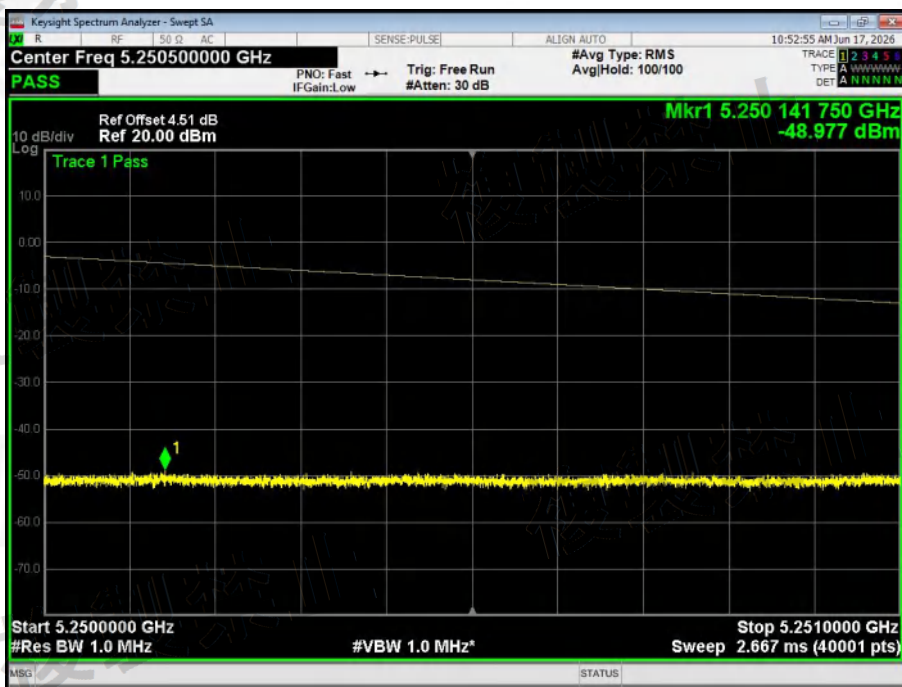


IEEE 802.11n40 CH38 - (5141.6MHz-5150MHz)

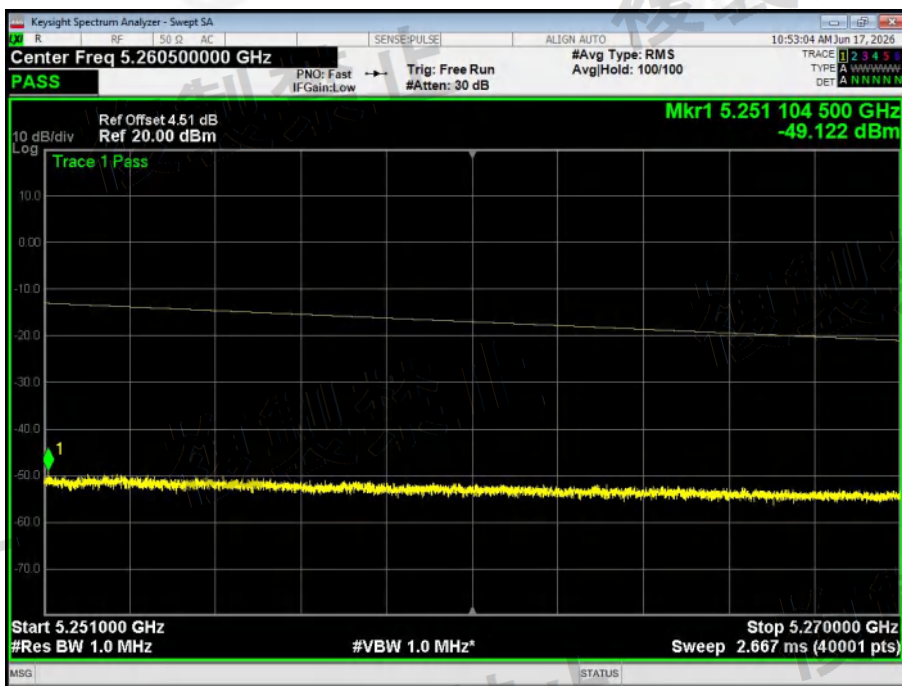




IEEE 802.11n40 CH38 - (5250MHz-5251MHz)

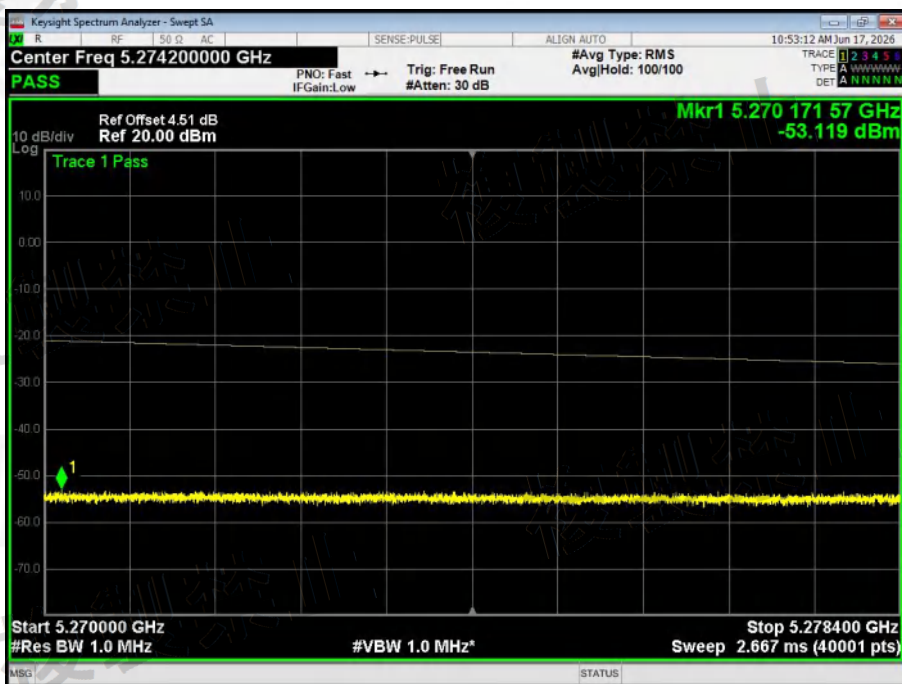


IEEE 802.11n40 CH38 - (5251MHz-5270MHz)





IEEE 802.11n40 CH38 - (5270MHz-5278.4MHz)



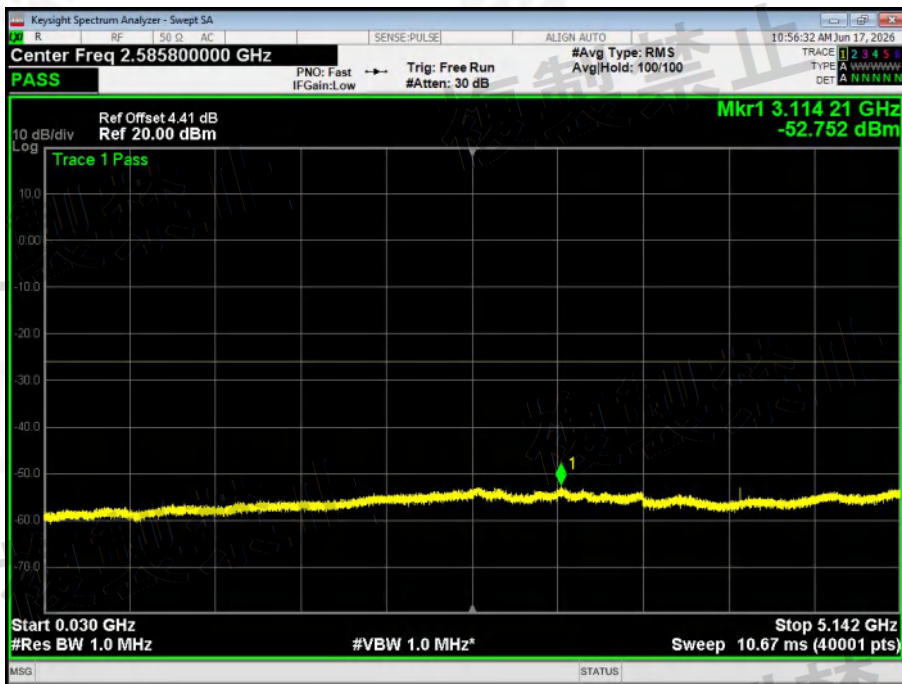
IEEE 802.11n40 CH38 - (5278.4MHz-26000MHz)



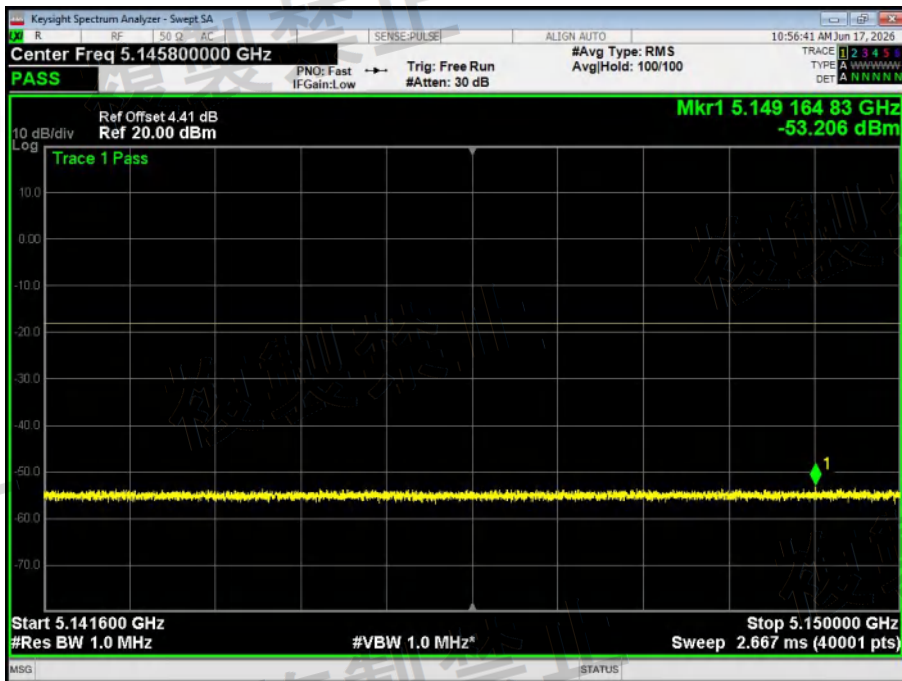


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11n40 CH46 - (30MHz - 5141.6MHz)

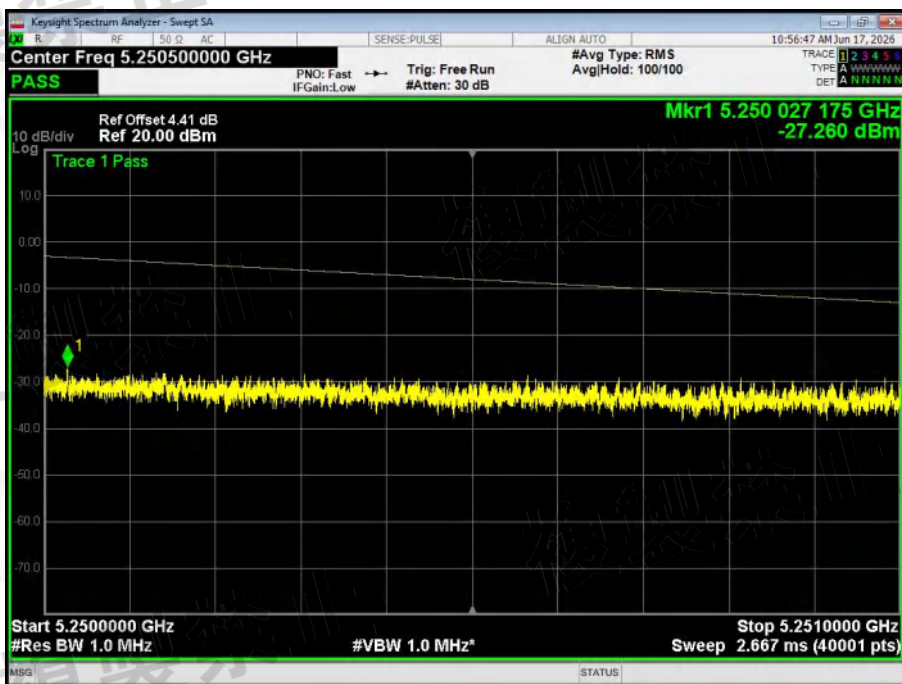


IEEE 802.11n40 CH46 - (5141.6MHz-5150MHz)

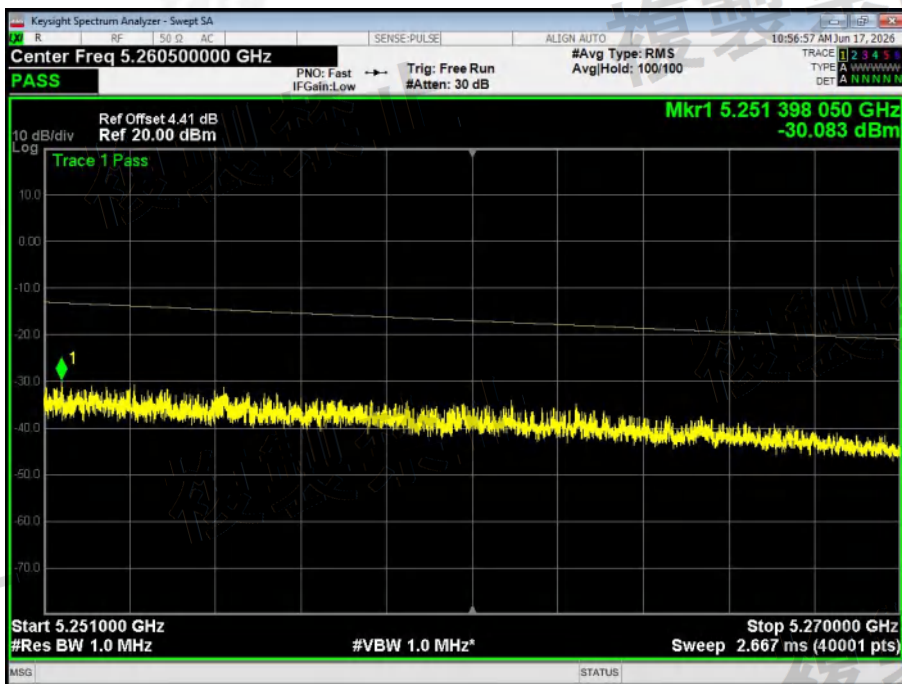




IEEE 802.11n40 CH46 - (5250MHz-5251MHz)

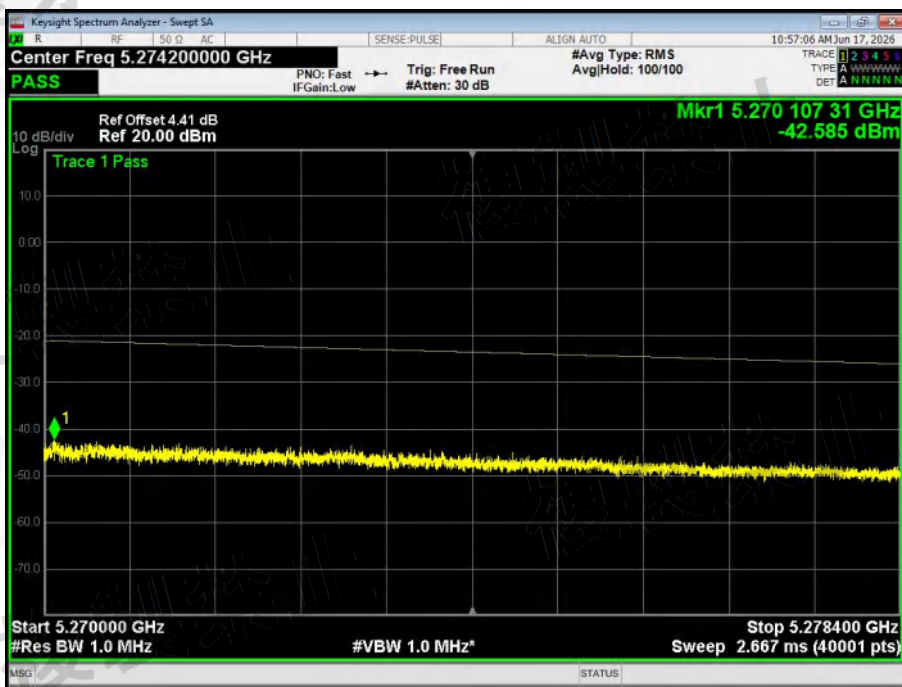


IEEE 802.11n40 CH46 - (5251MHz-5270MHz)





IEEE 802.11n40 CH46 - (5270MHz-5278.4MHz)



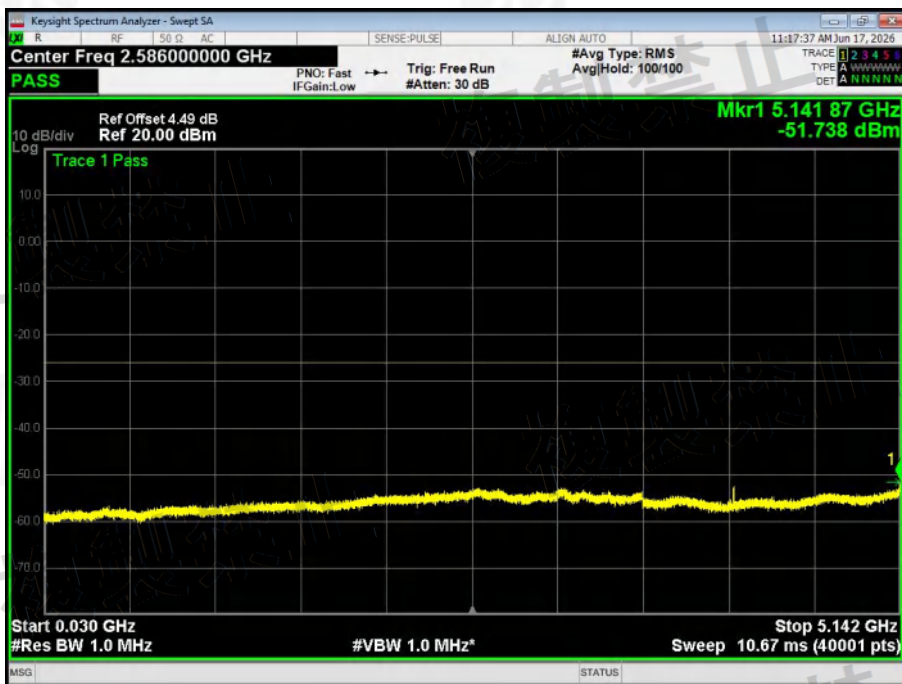
IEEE 802.11n40 CH46 - (5278.4MHz-26000MHz)



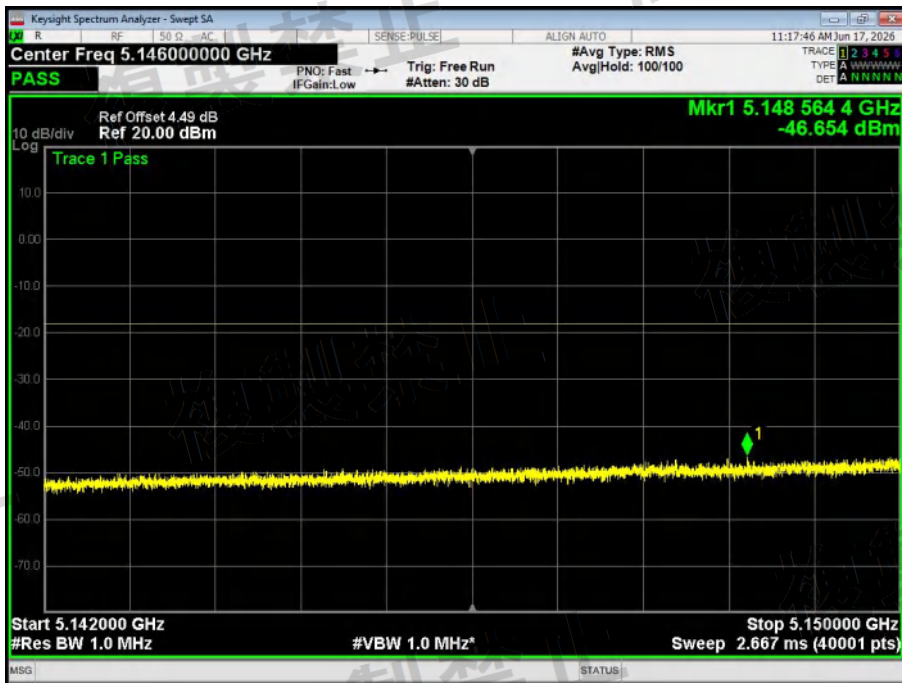


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11ac20 CH36 - (30MHz - 5142MHz)

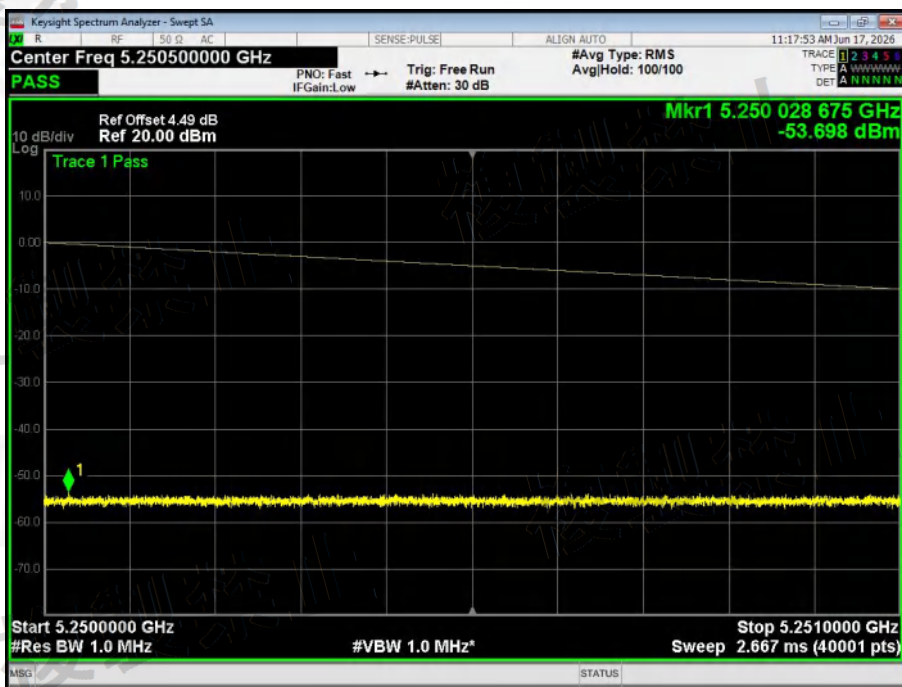


IEEE 802.11ac20 CH36 - (5142MHz-5150MHz)

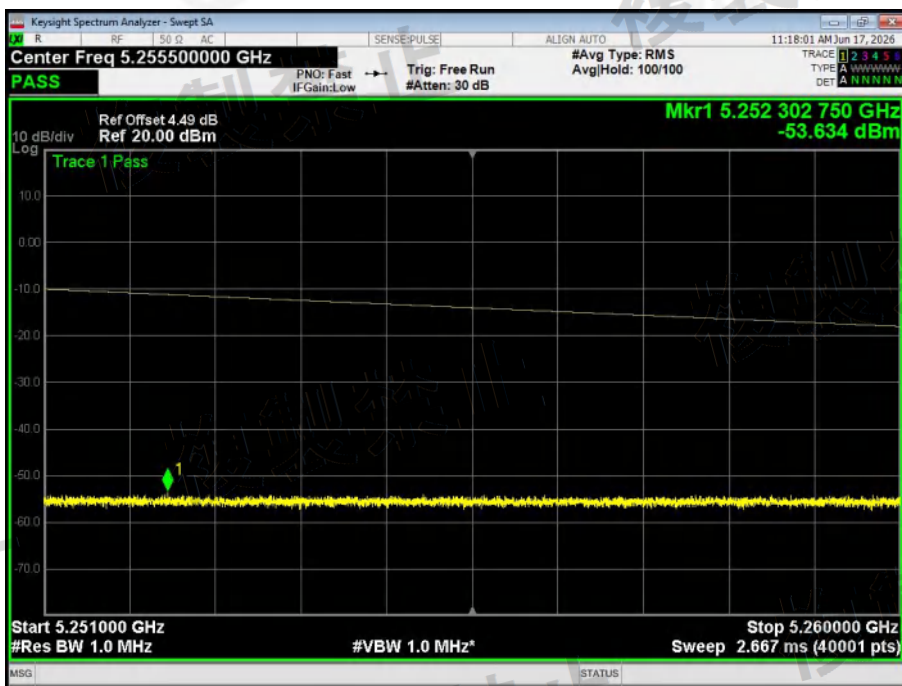




IEEE 802.11ac20 CH36 - (5250MHz-5251MHz)

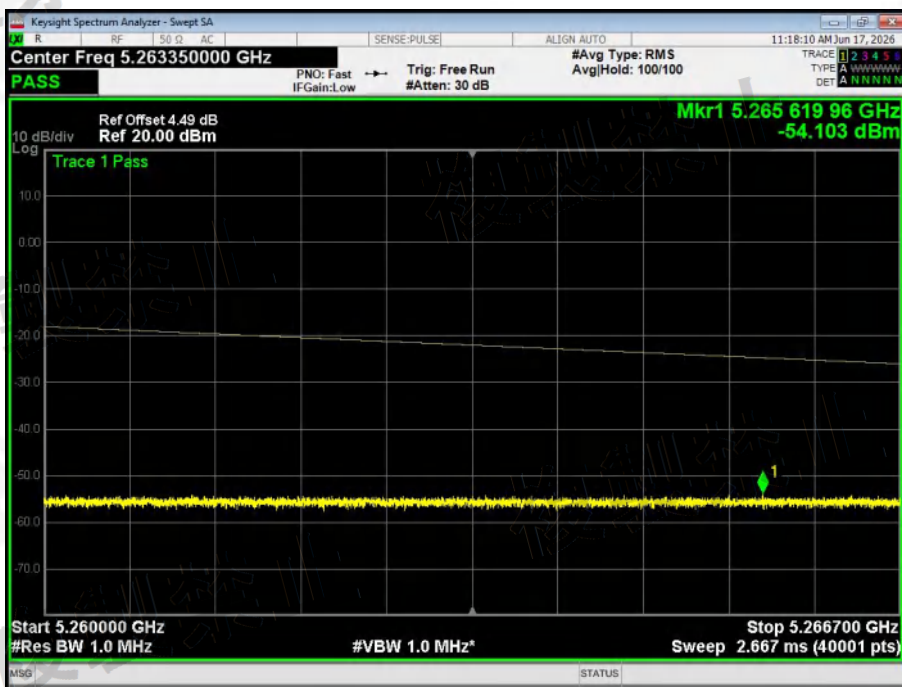


IEEE 802.11ac20 CH36 - (5251MHz-5260MHz)





IEEE 802.11ac20 CH36 - (5260MHz-5266.7MHz)



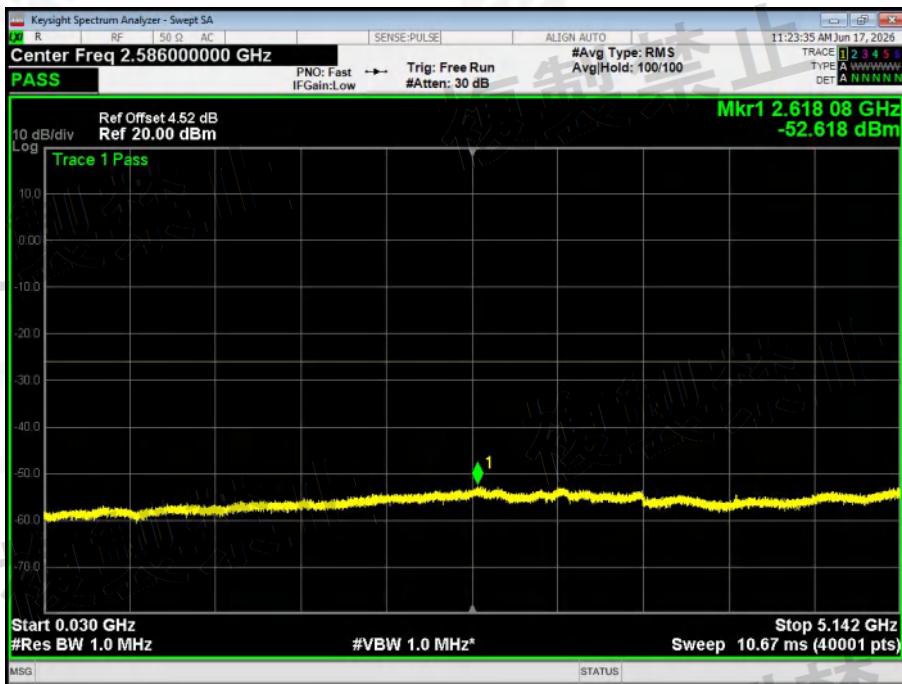
IEEE 802.11ac20 CH36 - (5266.7MHz-26000MHz)



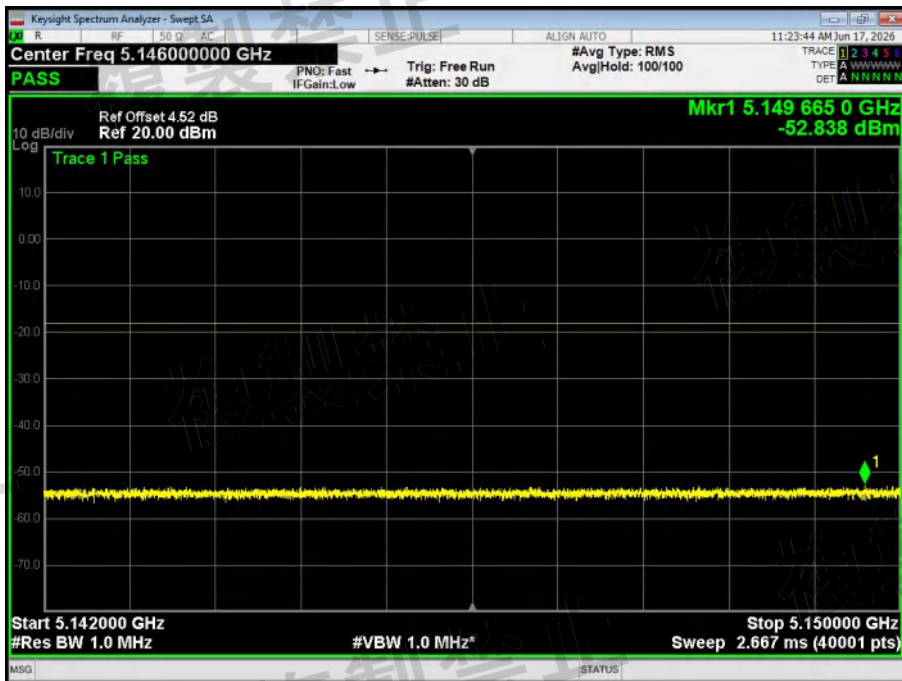


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11ac20 CH40 - (30MHz - 5142MHz)

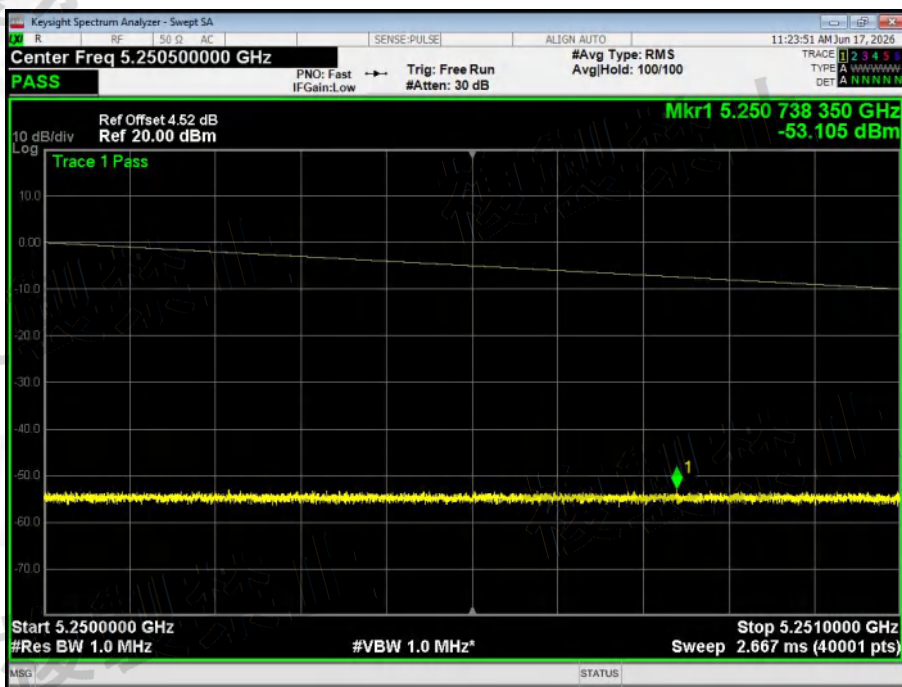


IEEE 802.11ac20 CH40 - (5142MHz-5150MHz)

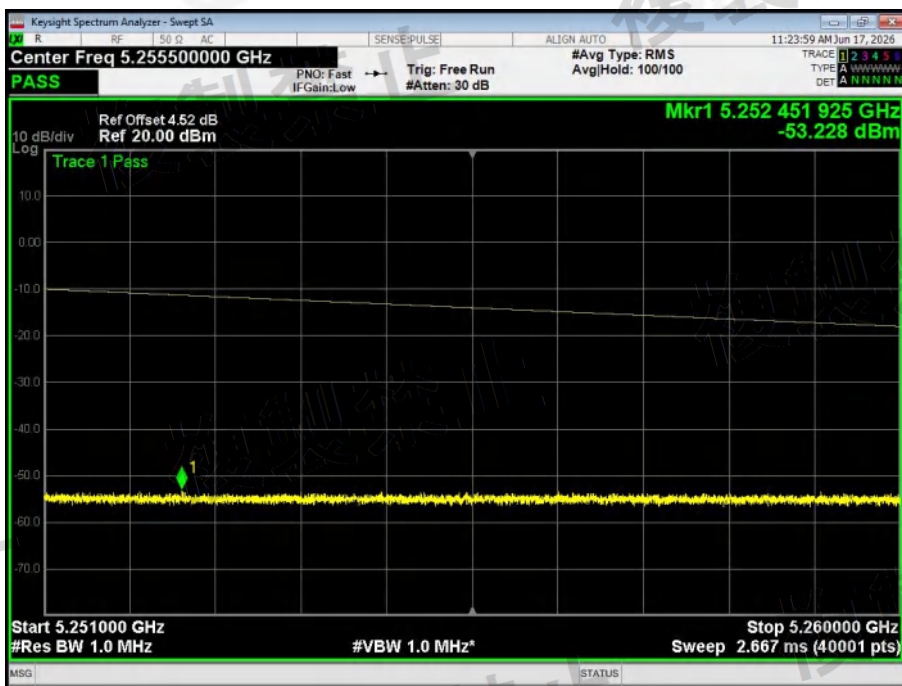




IEEE 802.11ac20 CH40 - (5250MHz-5251MHz)

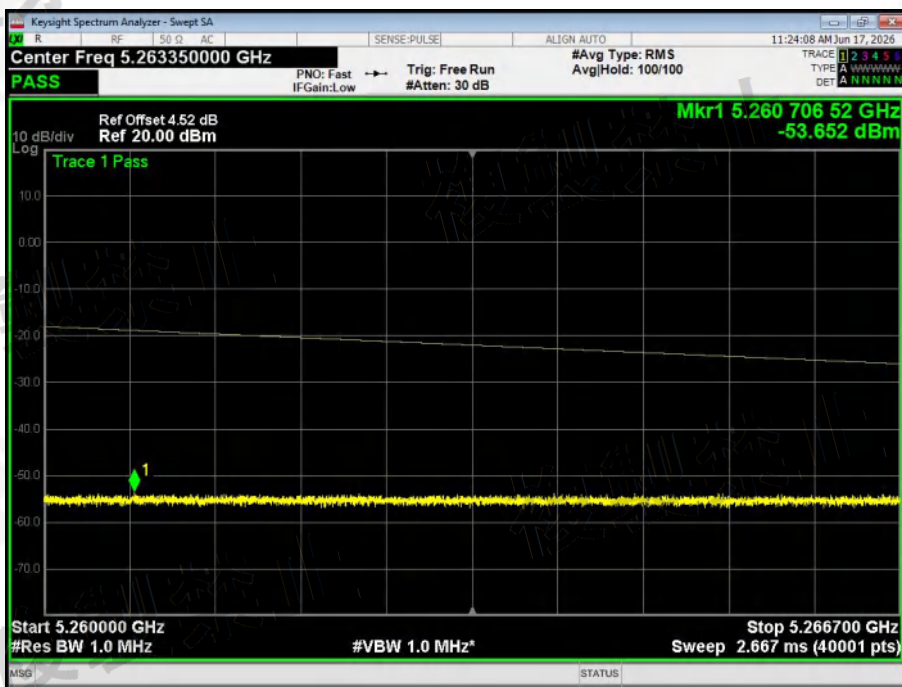


IEEE 802.11ac20 CH40 - (5251MHz-5260MHz)





IEEE 802.11ac20 CH40 - (5260MHz-5266.7MHz)



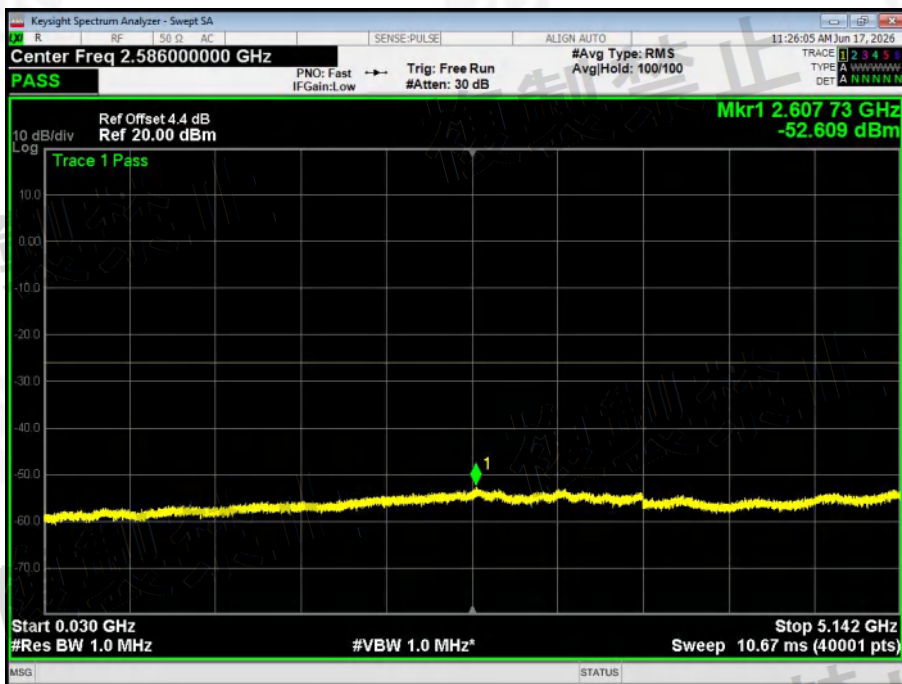
IEEE 802.11ac20 CH40 - (5266.7MHz-26000MHz)



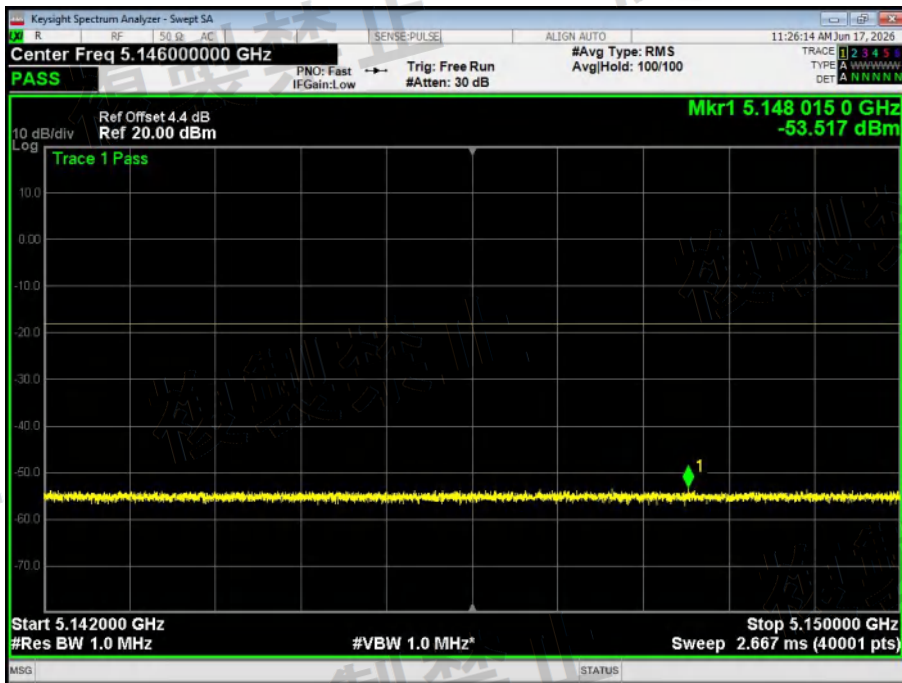


Test voltage	Normal	RESULT	PASS
--------------	--------	--------	------

IEEE 802.11ac20 CH48 - (30MHz - 5142MHz)

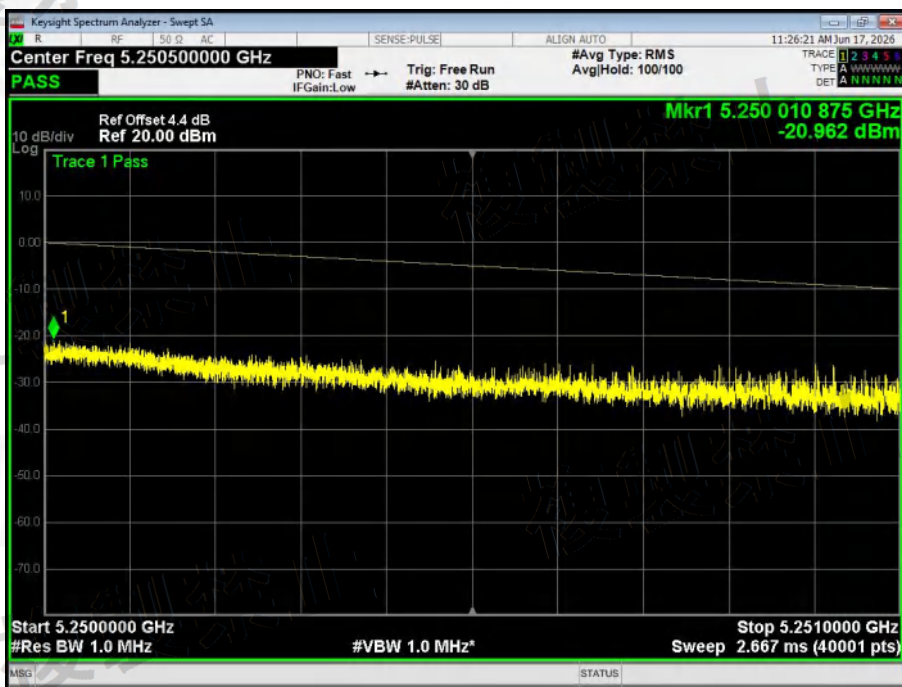


IEEE 802.11ac20 CH48 - (5142MHz-5150MHz)

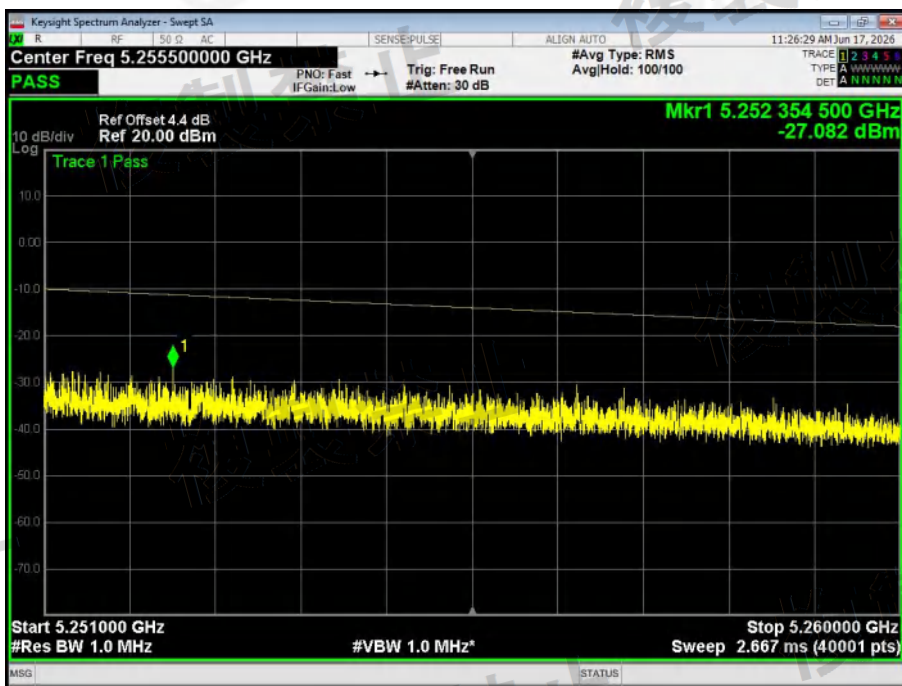




IEEE 802.11ac20 CH48 - (5250MHz-5251MHz)

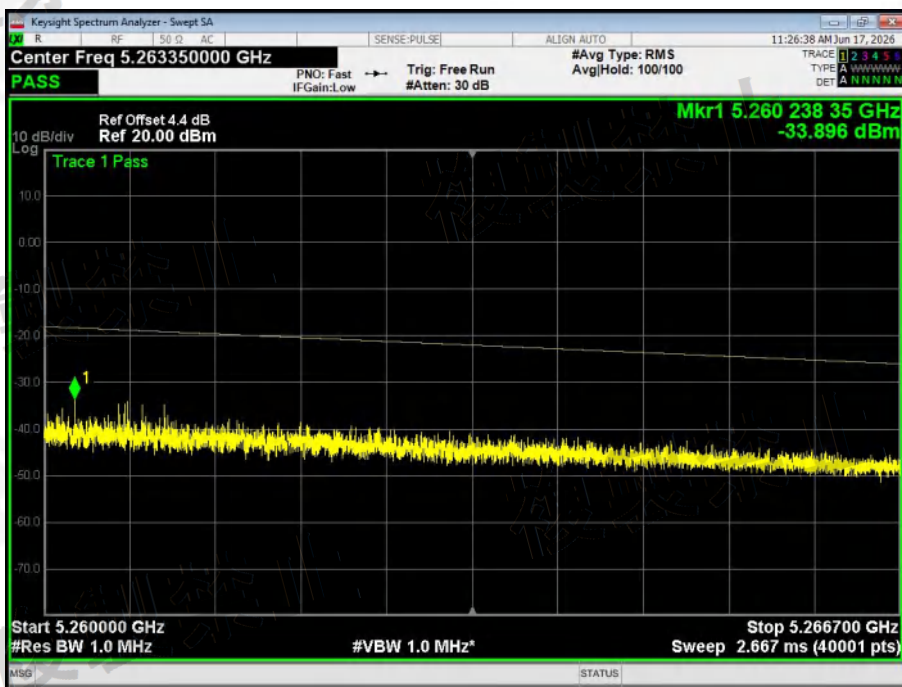


IEEE 802.11ac20 CH48 - (5251MHz-5260MHz)





IEEE 802.11ac20 CH48 - (5260MHz-5266.7MHz)



IEEE 802.11ac20 CH48 - (5266.7MHz-26000MHz)

