TEST REPORT

Reference No.	:	WTD25D11316005W004
Applicant	:	Shenzhen Sybran Technology Co.,Ltd.
Address	:	804, Bldg 5A, Block C, Chuangzhiyuncheng Phase II, Xingke 1st Rd, Xili St Nanshan, Shenzhen, China
Manufacturer	:	Shenzhen Sybran Technology Co.,Ltd.
Address	:	804, Bldg 5A, Block C, Chuangzhiyuncheng Phase II, Xingke 1st Rd, Xili St Nanshan, Shenzhen, China
Product	:	CODE27 Companion Hub
Model(s)	:	SyBran-01
Standards	:	Article 2 Paragraph 1 of Item 19-3, MIC Notice No.88 Appendix No.45
Date of Receipt Sample	:	2025-11-28
Date of Test	:	2025-12-02 to 2026-02-10
Date of Issue	:	2026-02-10
Test Result	:	**Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company.

The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD25D11316005W004	2025-11-28	2025-12-02 to 2026-02-10	2026-02-10	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:		CODE27 Companion Hub
Model(s):		SyBran-01
Model Description:		There are two hardware configurations for this model: configuration A and configuration B, the only difference being the cable specifications.
Hardware version:		YT-921 V_1.2
Software version:		rk3588s_yt921-userdebug 12 SQ3A.220705.003.A1 eng.dj 20260119.111702
Radio type:		WLAN
WLAN	Technical:	5G-802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80)
	Modulation:	OFDM
	Subcarriers:	802.11 a/g/n/ac: 3.2 subcarriers/MHz (312.5 kHz spacing) 802.11 ax: 12.8 subcarriers/MHz (78.125 kHz spacing)
	Frequency range:	W52 802.11a/n(HT20)/ac(VHT20): 5180-5240MHz 802.11n(HT40)/ac(VHT40): 5190-5230MHz 802.11ac(VHT80): 5210MHz W53 802.11a/n(HT20)/ac(VHT20): 5260-5320MHz 802.11n(HT40)/ac(VHT40): 5270-5310MHz 802.11ac(VHT80): 5290MHz W56 802.11a/n(HT20)/ac(VHT20): 5500-5700MHz 802.11n(HT40)/ac(VHT40): 5510-5670MHz 802.11ac(VHT80): 5530-5610MHz
	Output power:	ANT 1: W52 802.11a (HT20): 1.180mW/MHz 802.11n (HT20): 1.226mW/MHz 802.11ac (VHT20): 1.198mW/MHz 802.11n (HT40): 0.711mW/MHz 802.11ac (VHT40): 0.780mW/MHz 802.11ac (VHT80): 0.254mW/MHz 802.11ax(HE20): 1.168mW/MHz 802.11ax(HE40): 0.717mW/MHz 802.11ax(HE80): 0.257mW/MHz W53 802.11a (HT20): 0.654mW/MHz 802.11n (HT20): 0.708mW/MHz 802.11ac (VHT20): 0.692mW/MHz 802.11n (HT40): 0.307mW/MHz 802.11ac (VHT40): 0.311mW/MHz

		802.11ac (VHT80): 0.165mW/MHz 802.11ax(HE20): 0.675mW/MHz 802.11ax(HE40): 0.302mW/MHz 802.11ax(HE80): 0.183mW/MHz W56 802.11a (HT20): 1.907mW/MHz 802.11n (HT20): 1.814mW/MHz 802.11ac (VHT20): 1.862mW/MHz 802.11n (HT40): 0.672mW/MHz 802.11ac (VHT40): 0.669mW/MHz 802.11ac (VHT80): 0.326mW/MHz 802.11ax(HE20): 1.759mW/MHz 802.11ax(HE40): 0.673mW/MHz 802.11ax(HE80): 0.279mW/MHz ANT 2: W52 802.11a (HT20): 0.839mW/MHz 802.11n (HT20): 0.873mW/MHz 802.11ac (VHT20): 0.996mW/MHz 802.11n (HT40): 0.674mW/MHz 802.11ac (VHT40): 0.548mW/MHz 802.11ac (VHT80): 0.247mW/MHz 802.11ax(HE20): 0.996mW/MHz 802.11ax(HE40): 0.589mW/MHz 802.11ax(HE80): 0.221mW/MHz W53 802.11a (HT20): 0.534mW/MHz 802.11n (HT20): 0.554mW/MHz 802.11ac (VHT20): 0.503mW/MHz 802.11n (HT40): 0.258mW/MHz 802.11ac (VHT40): 0.239mW/MHz 802.11ac (VHT80): 0.140mW/MHz 802.11ax(HE20): 0.542mW/MHz 802.11ax(HE40): 0.235mW/MHz 802.11ax(HE80): 0.120mW/MHz W56 802.11a (HT20): 1.585mW/MHz 802.11n (HT20): 1.686mW/MHz 802.11ac (VHT20): 1.643mW/MHz 802.11n (HT40): 0.640mW/MHz 802.11ac (VHT40): 0.652mW/MHz 802.11ac (VHT80): 0.278mW/MHz 802.11ax(HE20): 1.516mW/MHz 802.11ax(HE40): 0.584mW/MHz 802.11ax(HE80): 0.324mW/MHz Total W52 802.11a (HT20): 2.014mW/MHz

		802.11n (HT20): 2.099mW/MHz 802.11ac (VHT20): 2.194mW/MHz 802.11n (HT40): 1.385mW/MHz 802.11ac (VHT40): 1.328mW/MHz 802.11ac (VHT80): 0.501mW/MHz 802.11ax(HE20): 2.164mW/MHz 802.11ax(HE40): 1.306mW/MHz 802.11ax(HE80): 0.478mW/MHz W53 802.11a (HT20): 1.131mW/MHz 802.11n (HT20): 1.262mW/MHz 802.11ac (VHT20): 1.195mW/MHz 802.11n (HT40): 0.565mW/MHz 802.11ac (VHT40): 0.550mW/MHz 802.11ac (VHT80): 0.305mW/MHz 802.11ax(HE20): 1.217mW/MHz 802.11ax(HE40): 0.537mW/MHz 802.11ax(HE80): 0.303mW/MHz W56 802.11a (HT20): 3.350mW/MHz 802.11n (HT20): 3.327mW/MHz 802.11ac (VHT20): 3.264mW/MHz 802.11n (HT40): 1.299mW/MHz 802.11ac (VHT40): 1.321mW/MHz 802.11ac (VHT80): 0.588mW/MHz 802.11ax(HE20): 3.244mW/MHz 802.11ax(HE40): 1.209mW/MHz 802.11ax(HE80): 0.584mW/MHz
	Antenna installation:	FPC Antenna
	Antenna gain:	ANT 1: 5.56 dBi ANT 2: 5.56 dBi
	Note: #: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.	

4.2 Details of E.U.T.

Power Supply Technical: DC 20V

Adapter: Model: A869-200325C-JP1
INPUT: 100-240V~ 50/60Hz 1.7A
OUTPUT:
DC 5V 3A
DC 9V 3A
DC 12V 3A
DC 15V 3A
DC 20V 3.25A
Manufacturer: Dongguan Aohal Technology Co.,Ld.

4.3 Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
36	5180	38	5190	40	5200	42	5210
44	5220	46	5230	48	5240	52	5260
54	5270	56	5280	58	5290	60	5300
62	5310	64	5320	100	5500	102	5510
104	5520	106	5530	108	5540	110	5550
112	5560	116	5580	118	5590	120	5600
122	5610	124	5620	126	5630	128	5640
132	5660	134	5670	136	5680	140	5700
142	5710	144	5720				

4.4 General condition

Ambient Condition: 22.6 ℃ 51.6 %RH

4.4.1 Environmental condition of test site

A power supply with the rated voltage and also the rated voltage +10% shall be used. However when it was confirmed that input voltage variation at the radio unit (except power supply section) in the radio equipment to be tested is less than +1% against a variation of +10% at the input voltage from the external power supply to the radio equipment, the test may be done for the rated voltage only and when the radio equipment was designed so as to be operated in a specified voltage variation limit within +10%, and which is indicated in the installation specification with the upper and the lower limits, the test shall be done for the rated voltage and the specified upper and lower limits of voltage.

4.4.2 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Have been confirmed the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1% by Manufacturer.

DC Input	RF_IC Input	Rate of fluctuation(%)
18V	3.3V	0.0
20V	3.3V	0.0
22V	3.3V	0.0
Note: The EUT has two hardware configurations, which do not affect the voltage input and parameters of the RF circuit.		

W52 (5.15-5.25GHz)			
Test mode	**Low channel**	**Middle channel**	**High channel**
Transmitting(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5180MHz	5200MHz	5240MHz
Transmitting(802.11n(HT240)/ac(VHT40) ax(HE40))	5190MHz	-	5230MHz
Transmitting(802.11ac(VHT80) ax(HE80))	-	5210 MHz	-
Receiving(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5180MHz	5200MHz	5240MHz
Receiving(802.11n(HT240)/ac(VHT40) ax(HE40))	5190MHz	-	5230MHz
Receiving(802.11ac(VHT80) ax(HE80))	-	5210 MHz	-

W53 (5.25-5.35GHz)			
Test mode	**Low channel**	**Middle channel**	**High channel**
Transmitting(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5260MHz	5280MHz	5320MHz
Transmitting(802.11n(HT240)/ac(VHT40) ax(HE40))	5270MHz	-	5310MHz
Transmitting(802.11ac(VHT80) ax(HE80))	-	5290 MHz	-
Receiving(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5260MHz	5280MHz	5320MHz
Receiving(802.11n(HT240)/ac(VHT40) ax(HE40))	5270MHz	-	5310MHz
Receiving(802.11ac(VHT80) ax(HE80))	-	5290 MHz	-

W56 (5.47-5.725GHz)			
Test mode	**Low channel**	**Middle channel**	**High channel**
Transmitting(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5500MHz	5580MHz	5700MHz
Transmitting(802.11n(HT240)/ac(VHT40) ax(HE40))	5510MHz	5550MHz	5670MHz
Transmitting(802.11ac(VHT80) ax(HE80))	5530MHz	5610 MHz	-
Receiving(802.11a/n(HT20)/ac(VHT20) ax(HE20))	5500MHz	5580MHz	5700MHz
Receiving(802.11n(HT240)/ac(VHT40) ax(HE40))	5510MHz	5550MHz	5670MHz
Receiving(802.11ac(VHT80) ax(HE80))	5530MHz	5610 MHz	-

Note: 802.11 ax HE20/40/80 support all RUs, only the worst case(full RU) is recorded in the report.

4.5 Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	EXA Signal Analyzer	Malaysia Keysight	N9010A	MY50520207	2025-04-19	2026-04-18
2	Spectrum Analyzer	R&S	FSL6	100959	2025-04-19	2026-04-18
3	DC power supply	Agilent	E3640A	MY40006693	2025-04-19	2026-04-18
4	Temperature & Humidity Chamber	Agilent	TH-1P-B	WIT-05121302	2025-11-14	2026-11-13
5	Temperature/ Humidity Meter	Agilent	ZC1-2	TR7-TH	2025-05-29	2026-05-28
6	EXG Analog Signal Generator	Malaysia Keysight	N5171B	MY53050845	2025-07-04	2026-07-03
7	Power Meter	R&S	NRP2	102031	2025-07-04	2026-07-03
8	Spectrum Analyzer	R&S	FSP30	100091	2025-04-19	2026-04-18
9	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08
10	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2025-07-04	2026-07-03
11	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	NA	2025-04-19	2026-04-18
12	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	336	2025-07-20	2026-07-19
13	Microwave Amplifier	SCHWARZBECK	BBV 9721	100472	2025-04-19	2026-04-18
14	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2025-04-19	2026-04-18
15	Attenuator	ShangHai HuaXiang	TS2-6dB-1G-A	20070707	2025-01-10 2026-01-08	2026-01-09 2027-01-07
16	Power Splitter	Mini-Circuits	ZNPD1-50-S+	SUU2751527	2025-01-10 2026-01-08	2026-01-09 2027-01-07
17	Power Sensor	TST	TSCB562R2	-	2025-12-05	2026-12-04

Remark:
(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
(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 (1).
(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)
From JRL Article 24-2, paragraph 4, Item 2
1. All Equipments Calibration use the calibration method (c).
2. All Equipments Calibration in GUANG ZHOU GRG METROLOGY&TEST CO., LTD./ No.163.Pingyun Rd, West of HuangPu Ave. Guangzhou, Guangdong, China.
3. Regarding the measuring device, Article 24-2, Paragraph 4 of the Radio Law.

TST Test software

Software name	TST-301
Software version	V2.0

4.6 Measurement Uncertainty

Parameter	**Uncertainty**
Radio Frequency	± 1 x 10^{-7}Hz
RF Power	± 0.42 dB
RF Power Density	± 0.7dB
Conducted Spurious Emissions	± 2.76 dB (9kHz~26500MHz)
Confidence interval：95%. Confidence factor: k=2	

5 Test Summary

Test Item	Result
Transmitting equipment	
Antenna Power	PASS
Tolerances for Antenna Power	PASS
Frequency Tolerance	PASS
Equivalent Isotropic Radiated Power	PASS
Transmission Rate	PASS
Transmission Burst Length	PASS
Unwanted Emissions Strength	PASS
Adjacent Channel Emitted Power	PASS
Out-band Leakage Power	PASS
Occupied Frequency Bandwidth	PASS
Receiving equipment	
Secondary Radiated Emissions	PASS
Controlling equipment	
Interference prevention function	PASS
Carrier Sensing Function	PASS
N/A is an abbreviation for Not Applicable.	

6 Measurements of Transmitting Equipment

6.1 Antenna Power and Antenna Power Tolerances

6.1.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

6.1.2 Limit

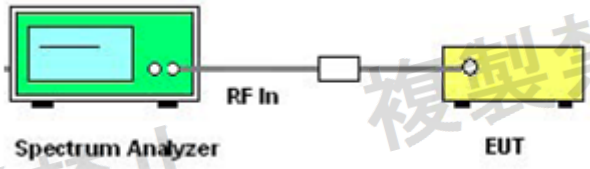
Antenna power of those using OFDM etc modulation scheme, the average power in the bandwidth of 1MHz is not more than 10 mW for HT20 , 5mW for HT40, 2.5mW for HT80 and 1.25mW for HT80+HT80.

Antenna Power Tolerances is not less than -80% and not more than +20% for W52 and W53 band, and not less than -50% and not more than +50% for W56 band.

6.1.3 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

6.1.4 Test Setup Layout



6.1.5 Test Procedures

Step 1

Connect the UUT to the spectrum analyzer and use the following settings:

Center Frequency: The center frequency of the UUT test channel

RBW: 1MHz

VBW: 1MHz

Span: Wide enough to cover the total power envelope of the signal of the UUT

Detector: Peak

Trance Mode：Max Hold

Find the Peak value for the power envelope and record the frequency.

Step 2

Change the spectrum analyzer and use the following settings:

Center Frequency: Record frequency of step 1.

RBW: 1MHz

VBW: 1MHz

Span: 0Hz

Sweep time: enough to capture the signal burst.

Detector: RMS

Capture the burst signal power and record it.

6.1.6 Test Result

ANT 1:

W52:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	-1.135	0.770	<=10.00	1.180	-34.75
	Middle	-1.051	0.785	<=10.00	1.180	-33.47
	High	0.719	1.180	<=10.00	1.180	0.00
802.11n-HT20	Low	-1.141	0.769	<=10.00	1.226	-37.28
	Middle	-0.013	0.997	<=10.00	1.226	-18.68
	High	0.885	1.226	<=10.00	1.226	0.00
802.11ac-VHT20	Low	-1.959	0.637	<=10.00	1.198	-46.83
	Middle	-0.273	0.939	<=10.00	1.198	-21.62
	High	0.785	1.198	<=10.00	1.198	0.00
802.11ax-HE20	Low	-0.931	0.807	<=10.00	1.168	-30.91
	Middle	-1.261	0.748	<=10.00	1.168	-35.96
	High	0.674	1.168	<=10.00	1.168	0.00
802.11n-HT40	Low	-2.118	0.614	<=5.00	0.711	-13.64
	High	-1.481	0.711	<=5.00	0.711	0.00
802.11ac-VHT40	Low	-2.306	0.588	<=5.00	0.780	-24.62
	High	-1.079	0.780	<=5.00	0.780	0.00
802.11ax-HE40	Low	-2.765	0.529	<=5.00	0.717	-26.22
	High	-1.445	0.717	<=5.00	0.717	0.00
802.11ac-VHT80	Low	-5.952	0.254	<=2.50	0.254	0.00
802.11ax-HE80	Low	-5.901	0.257	<=2.50	0.257	0.00

W53:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	-2.815	0.523	<=10.00	0.654	-20.03
	Middle	-1.844	0.654	<=10.00	0.654	0.00
	High	-2.240	0.597	<=10.00	0.654	-8.72
802.11n-HT20	Low	-2.848	0.519	<=10.00	0.708	-26.69
	Middle	-1.891	0.647	<=10.00	0.708	-8.62
	High	-1.500	0.708	<=10.00	0.708	0.00
802.11ac-VHT20	Low	-3.134	0.486	<=10.00	0.692	-29.77
	Middle	-2.557	0.555	<=10.00	0.692	-19.80
	High	-1.599	0.692	<=10.00	0.692	0.00
802.11ax-HE20	Low	-2.733	0.533	<=10.00	0.675	-21.04
	Middle	-2.147	0.610	<=10.00	0.675	-9.63
	High	-1.707	0.675	<=10.00	0.675	0.00
802.11n-HT40	Low	-5.544	0.279	<=5.00	0.307	-9.12
	High	-5.129	0.307	<=5.00	0.307	0.00
802.11ac-VHT40	Low	-5.317	0.294	<=5.00	0.311	-5.47
	High	-5.072	0.311	<=5.00	0.311	0.00
802.11ax-HE40	Low	-5.918	0.256	<=5.00	0.302	-15.23
	High	-5.200	0.302	<=5.00	0.302	0.00
802.11ac-VHT80	Low	-7.825	0.165	<=2.50	0.165	0.00
802.11ax-HE80	Low	-7.375	0.183	<=2.50	0.183	0.00

W56:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	2.804	1.907	<=10.00	1.907	0.00
	Middle	1.998	1.584	<=10.00	1.907	-16.94
	High	1.370	1.371	<=10.00	1.907	-28.11
802.11n-HT20	Low	2.586	1.814	<=10.00	1.814	0.00
	Middle	2.413	1.743	<=10.00	1.814	-3.91
	High	1.139	1.300	<=10.00	1.814	-28.34
802.11ac-VHT20	Low	2.700	1.862	<=10.00	1.862	0.00
	Middle	2.222	1.668	<=10.00	1.862	-10.42
	High	0.813	1.206	<=10.00	1.862	-35.23
802.11ax-HE20	Low	2.453	1.759	<=10.00	1.759	0.00
	Middle	2.119	1.629	<=10.00	1.759	-7.39
	High	1.452	1.397	<=10.00	1.759	-20.58
802.11n-HT40	Low	-1.726	0.672	<=5.00	0.672	0.00
	Middle	-1.811	0.659	<=5.00	0.672	-1.93
	High	-2.449	0.569	<=5.00	0.672	-15.33
802.11ac-VHT40	Low	-2.090	0.618	<=5.00	0.669	-7.62
	Middle	-1.746	0.669	<=5.00	0.669	0.00
	High	-2.403	0.575	<=5.00	0.669	-14.05
802.11ax-HE40	Low	-1.720	0.673	<=5.00	0.673	0.00
	Middle	-2.487	0.564	<=5.00	0.673	-16.20
	High	-2.708	0.536	<=5.00	0.673	-20.36
802.11ac-VHT80	Low	-4.868	0.326	<=2.50	0.326	0.00
	High	-5.686	0.270	<=2.50	0.326	-17.18
802.11ax-HE80	Low	-5.544	0.279	<=2.50	0.279	0.00
	High	-5.850	0.260	<=2.50	0.279	-6.81

ANT 2:

W52:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	-2.055	0.623	<=10.00	0.839	-25.74
	Middle	-0.762	0.839	<=10.00	0.839	0.00
	High	-0.788	0.834	<=10.00	0.839	-0.60
802.11n-HT20	Low	-1.555	0.699	<=10.00	0.873	-19.93
	Middle	-0.926	0.808	<=10.00	0.873	-7.45
	High	-0.590	0.873	<=10.00	0.873	0.00
802.11ac-VHT20	Low	-1.267	0.747	<=10.00	0.996	-25.00
	Middle	-0.799	0.832	<=10.00	0.996	-16.47
	High	-0.017	0.996	<=10.00	0.996	0.00
802.11ax-HE20	Low	-1.403	0.724	<=10.00	0.996	-27.31
	Middle	-1.057	0.784	<=10.00	0.996	-21.29
	High	-0.017	0.996	<=10.00	0.996	0.00
802.11n-HT40	Low	-2.652	0.543	<=5.00	0.674	-19.44
	High	-1.713	0.674	<=5.00	0.674	0.00
802.11ac-VHT40	Low	-3.307	0.467	<=5.00	0.548	-14.78
	High	-2.612	0.548	<=5.00	0.548	0.00
802.11ax-HE40	Low	-3.686	0.428	<=5.00	0.589	-27.33
	High	-2.299	0.589	<=5.00	0.589	0.00
802.11ac-VHT80	Low	-6.073	0.247	<=2.50	0.247	0.00
802.11ax-HE80	Low	-6.556	0.221	<=2.50	0.221	0.00

W53:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	-2.725	0.534	<=10.00	0.534	0.00
	Middle	-3.391	0.458	<=10.00	0.534	-14.23
	High	-2.725	0.534	<=10.00	0.534	0.00
802.11n-HT20	Low	-3.449	0.452	<=10.00	0.554	-18.41
	Middle	-3.261	0.472	<=10.00	0.554	-14.80
	High	-2.565	0.554	<=10.00	0.554	0.00
802.11ac-VHT20	Low	-4.056	0.393	<=10.00	0.503	-21.87
	Middle	-3.507	0.446	<=10.00	0.503	-11.33
	High	-2.984	0.503	<=10.00	0.503	0.00
802.11ax-HE20	Low	-3.251	0.473	<=10.00	0.542	-12.73
	Middle	-3.010	0.500	<=10.00	0.542	-7.75
	High	-2.660	0.542	<=10.00	0.542	0.00
802.11n-HT40	Low	-6.402	0.229	<=5.00	0.258	-11.24
	High	-5.884	0.258	<=5.00	0.258	0.00
802.11ac-VHT40	Low	-6.271	0.236	<=5.00	0.239	-1.26
	High	-6.216	0.239	<=5.00	0.239	0.00
802.11ax-HE40	Low	-6.882	0.205	<=5.00	0.235	-12.77
	High	-6.289	0.235	<=5.00	0.235	0.00
802.11ac-VHT80	Low	-8.539	0.140	<=2.50	0.140	0.00
802.11ax-HE80	Low	-9.208	0.120	<=2.50	0.120	0.00

W56:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	1.593	1.443	<=10.00	1.585	-8.96
	Middle	2.000	1.585	<=10.00	1.585	0.00
	High	1.370	1.371	<=10.00	1.585	-13.50
802.11n-HT20	Low	1.798	1.513	<=10.00	1.686	-10.26
	Middle	2.219	1.667	<=10.00	1.686	-1.13
	High	2.269	1.686	<=10.00	1.686	0.00
802.11ac-VHT20	Low	1.467	1.402	<=10.00	1.643	-14.67
	Middle	2.156	1.643	<=10.00	1.643	0.00
	High	1.649	1.462	<=10.00	1.643	-11.02
802.11ax-HE20	Low	1.717	1.485	<=10.00	1.516	-2.04
	Middle	1.807	1.516	<=10.00	1.516	0.00
	High	1.501	1.413	<=10.00	1.516	-6.79
802.11n-HT40	Low	-2.403	0.575	<=5.00	0.640	-10.16
	Middle	-1.938	0.640	<=5.00	0.640	0.00
	High	-2.147	0.610	<=5.00	0.640	-4.69
802.11ac-VHT40	Low	-2.373	0.579	<=5.00	0.652	-11.20
	Middle	-1.858	0.652	<=5.00	0.652	0.00
	High	-1.945	0.639	<=5.00	0.652	-1.99
802.11ax-HE40	Low	-2.708	0.536	<=5.00	0.584	-8.22
	Middle	-2.604	0.549	<=5.00	0.584	-5.99
	High	-2.336	0.584	<=5.00	0.584	0.00
802.11ac-VHT80	Low	-5.817	0.262	<=2.50	0.278	-5.76
	High	-5.560	0.278	<=2.50	0.278	0.00
802.11ax-HE80	Low	-5.622	0.274	<=2.50	0.324	-15.43
	High	-4.895	0.324	<=2.50	0.324	0.00

ANT 1 + ANT 2:

W52:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	1.440	1.393	<=10.00	2.014	-30.83
	Middle	2.106	1.624	<=10.00	2.014	-19.36
	High	3.041	2.014	<=10.00	2.014	0.00
802.11n-HT20	Low	1.667	1.468	<=10.00	2.099	-30.06
	Middle	2.565	1.805	<=10.00	2.099	-14.01
	High	3.220	2.099	<=10.00	2.099	0.00
802.11ac-VHT20	Low	1.411	1.384	<=10.00	2.194	-36.92
	Middle	2.482	1.771	<=10.00	2.194	-19.28
	High	3.412	2.194	<=10.00	2.194	0.00
802.11ax-HE20	Low	1.850	1.531	<=10.00	2.164	-29.25
	Middle	1.853	1.532	<=10.00	2.164	-29.21
	High	3.353	2.164	<=10.00	2.164	0.00
802.11n-HT40	Low	0.633	1.157	<=5.00	1.385	-16.46
	High	1.414	1.385	<=5.00	1.385	0.00
802.11ac-VHT40	Low	0.233	1.055	<=5.00	1.328	-20.56
	High	1.232	1.328	<=5.00	1.328	0.00
802.11ax-HE40	Low	-0.191	0.957	<=5.00	1.306	-26.72
	High	1.159	1.306	<=5.00	1.306	0.00
802.11ac-VHT80	Low	-3.002	0.501	<=2.50	0.501	0.00
802.11ax-HE80	Low	-3.206	0.478	<=2.50	0.478	0.00

W53:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	0.241	1.057	<=10.00	1.131	-6.54
	Middle	0.461	1.112	<=10.00	1.131	-1.68
	High	0.535	1.131	<=10.00	1.131	0.00
802.11n-HT20	Low	-0.128	0.971	<=10.00	1.262	-23.06
	Middle	0.488	1.119	<=10.00	1.262	-11.33
	High	1.011	1.262	<=10.00	1.262	0.00
802.11ac-VHT20	Low	-0.560	0.879	<=10.00	1.195	-26.44
	Middle	0.004	1.001	<=10.00	1.195	-16.23
	High	0.774	1.195	<=10.00	1.195	0.00
802.11ax-HE20	Low	0.026	1.006	<=10.00	1.217	-17.34
	Middle	0.453	1.110	<=10.00	1.217	-8.79
	High	0.853	1.217	<=10.00	1.217	0.00
802.11n-HT40	Low	-2.941	0.508	<=5.00	0.565	-10.09
	High	-2.480	0.565	<=5.00	0.565	0.00
802.11ac-VHT40	Low	-2.757	0.530	<=5.00	0.550	-3.64
	High	-2.596	0.550	<=5.00	0.550	0.00
802.11ax-HE40	Low	-3.363	0.461	<=5.00	0.537	-14.15
	High	-2.700	0.537	<=5.00	0.537	0.00
802.11ac-VHT80	Low	-5.157	0.305	<=2.50	0.305	0.00
802.11ax-HE80	Low	-5.186	0.303	<=2.50	0.303	0.00

W56:

Modulation	Channel	Antenna Power (dBm/MHz)	Test Result for Antenna Power (mW/MHz)	Antenna power Limit ((mW/MHz)	Declared Antenna Power (mW/MHz)	Tolerance (%)
802.11a	Low	5.250	3.350	<=10.00	3.350	0.00
	Middle	5.009	3.169	<=10.00	3.350	-5.40
	High	4.955	3.130	<=10.00	3.350	-6.57
802.11n-HT20	Low	5.221	3.327	<=10.00	3.327	0.00
	Middle	5.328	3.410	<=10.00	3.327	2.49
	High	4.751	2.986	<=10.00	3.327	-10.25
802.11ac-VHT20	Low	5.138	3.264	<=10.00	3.264	0.00
	Middle	5.200	3.311	<=10.00	3.264	1.44
	High	4.262	2.668	<=10.00	3.264	-18.26
802.11ax-HE20	Low	5.111	3.244	<=10.00	3.244	0.00
	Middle	4.976	3.145	<=10.00	3.244	-3.05
	High	4.487	2.810	<=10.00	3.244	-13.38
802.11n-HT40	Low	0.959	1.247	<=5.00	1.299	-4.00
	Middle	1.136	1.299	<=5.00	1.299	0.00
	High	0.715	1.179	<=5.00	1.299	-9.24
802.11ac-VHT40	Low	0.781	1.197	<=5.00	1.321	-9.39
	Middle	1.209	1.321	<=5.00	1.321	0.00
	High	0.842	1.214	<=5.00	1.321	-8.10
802.11ax-HE40	Low	0.824	1.209	<=5.00	1.209	0.00
	Middle	0.465	1.113	<=5.00	1.209	-7.94
	High	0.492	1.120	<=5.00	1.209	-7.36
802.11ac-VHT80	Low	-2.306	0.588	<=2.50	0.588	0.00
	High	-2.612	0.548	<=2.50	0.588	-6.80
802.11ax-HE80	Low	-2.573	0.553	<=2.50	0.584	-5.31
	High	-2.336	0.584	<=2.50	0.584	0.00

6.2 Frequency Tolerance

6.2.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

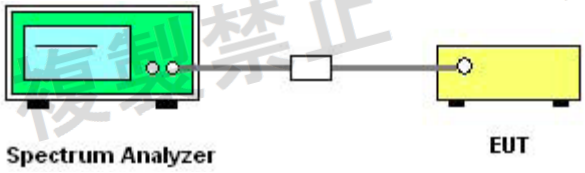
6.2.2 Limit

According to Article 2-1, the Tolerance of frequency: ±20x10^{-6}.

6.2.3 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

6.2.4 Test Setup



6.2.5 Test Procedures

1 Frequency accuracy of SA shall be less than 10% of limits tolerance (5ppm)
2 Setting of SA is following as: RB: 10 kHz / VB: 10 kHz / SPAN: 500 KHz
3 Center Frequency: The center frequency of testing for EUT
4 Sweep time: Auto
5 Sweep mode: Continuous sweep
6 Detect mode: Positive peak
7 EUT have transmitted absence of modulation signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc×106ppm and the limit is less than ±20ppm.

6.2.6 Test Result

W52:

Frequency (MHz)	Result (MHz)	Tolerance (kHz)	Tolerance (ppm)	Limit
5180.000	5180.000	-1	0.00	±20
5190.000	5189.999	-1	-0.19	±20
5200.000	5200.000	0	0.00	±20
5210.000	5209.999	-1	-0.19	±20
5230.000	5229.999	-1	-0.19	±20
5240.000	5240.000	0	0.00	±20

W53:

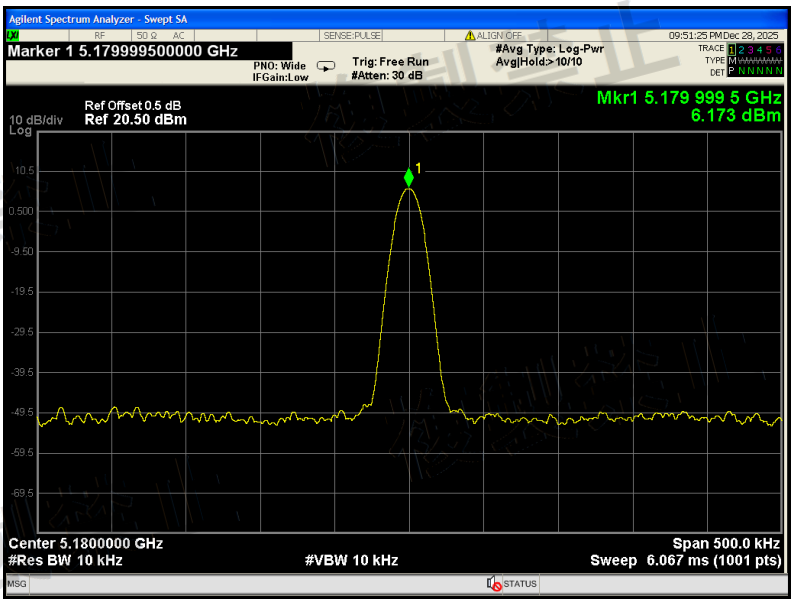
Frequency (MHz)	Result (MHz)	Tolerance (kHz)	Tolerance (ppm)	Limit
5260.000	5259.999	-1	-0.19	±20
5270.000	5269.999	-1	-0.19	±20
5280.000	5279.999	-1	-0.19	±20
5290.000	5289.999	-1	-0.19	±20
5310.000	5309.999	-1	-0.19	±20
5320.000	5319.999	-1	-0.19	±20

W56:

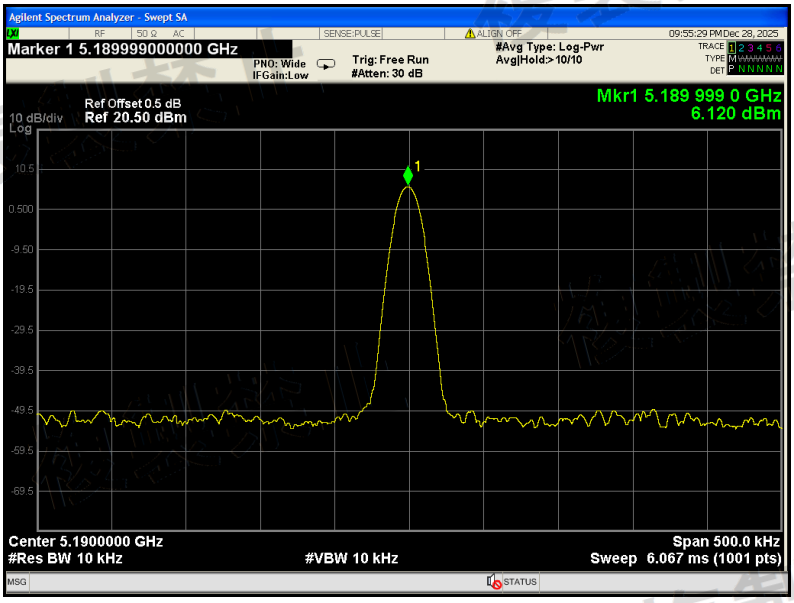
Frequency (MHz)	Result (MHz)	Tolerance (kHz)	Tolerance (ppm)	Limit
5500.000	5499.999	-1	-0.18	±20
5510.000	5509.999	-1	-0.18	±20
5530.000	5529.999	-1	-0.18	±20
5550.000	5549.999	-1	-0.18	±20
5580.000	5579.999	-1	-0.18	±20
5610.000	5609.999	-1	-0.18	±20
5670.000	5669.999	-1	-0.18	±20
5700.000	5699.999	-1	-0.18	±20

Test Plots

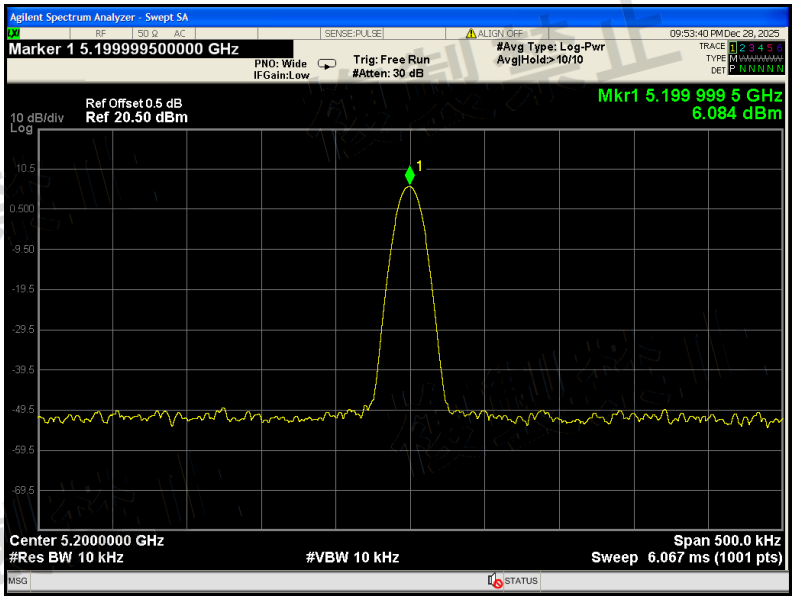
Channel 5180MHz



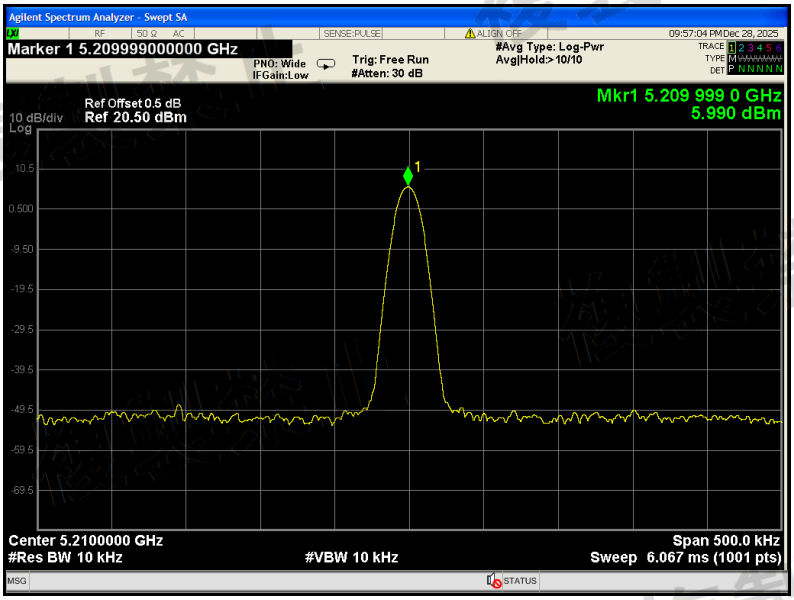
Channel 5190MHz



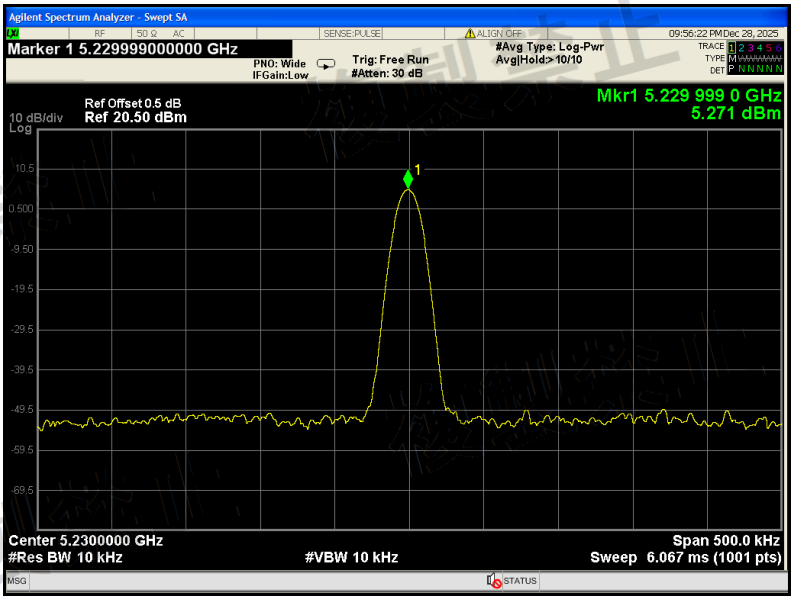
Channel 5200MHz



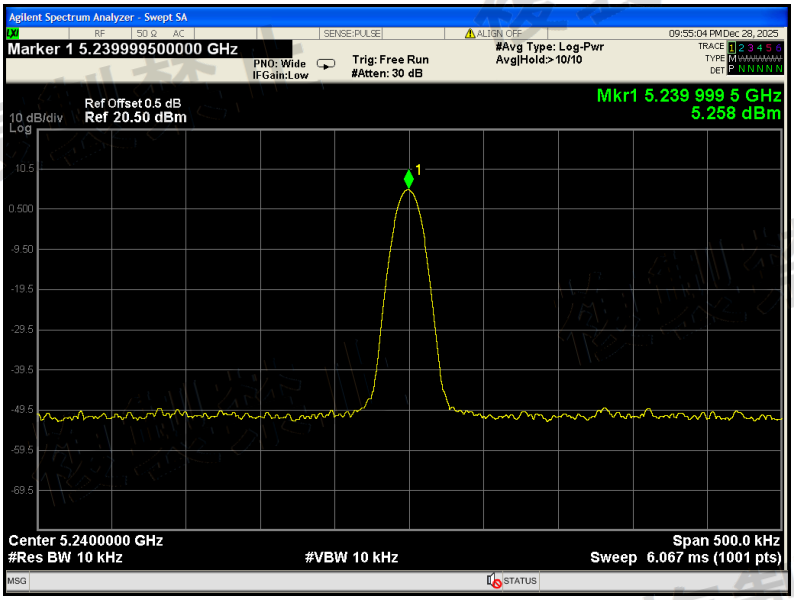
Channel 5210MHz



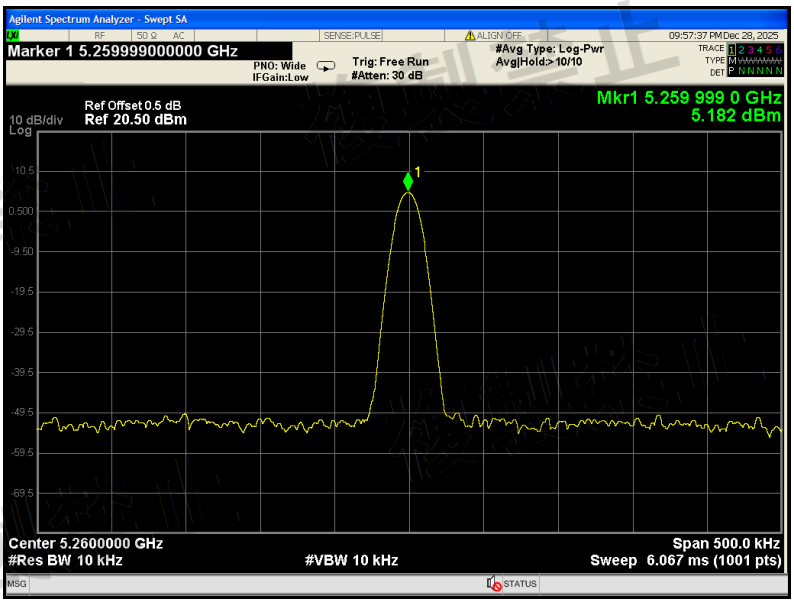
Channel 5230MHz



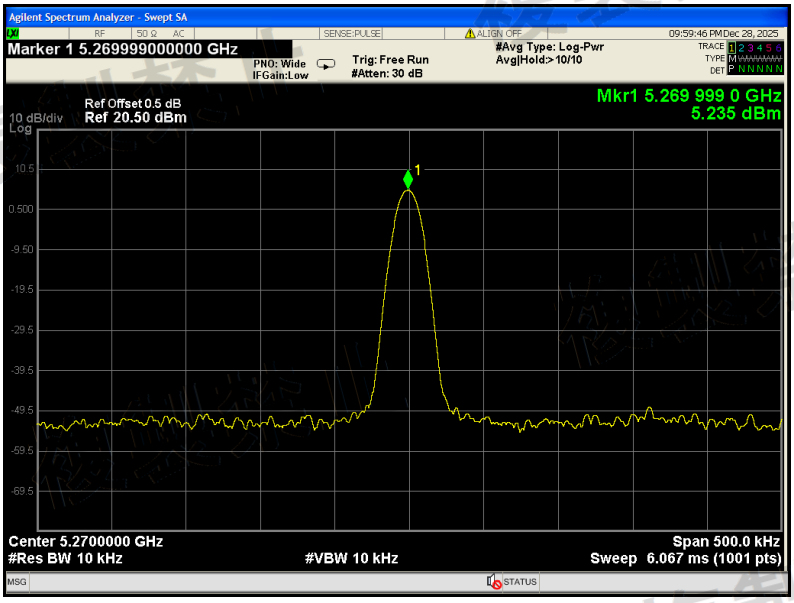
Channel 5240MHz



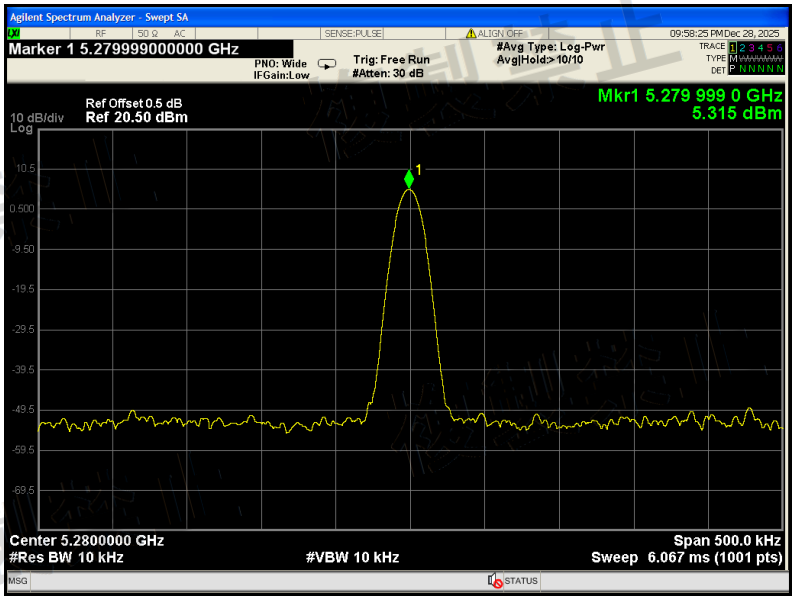
Channel 5260MHz



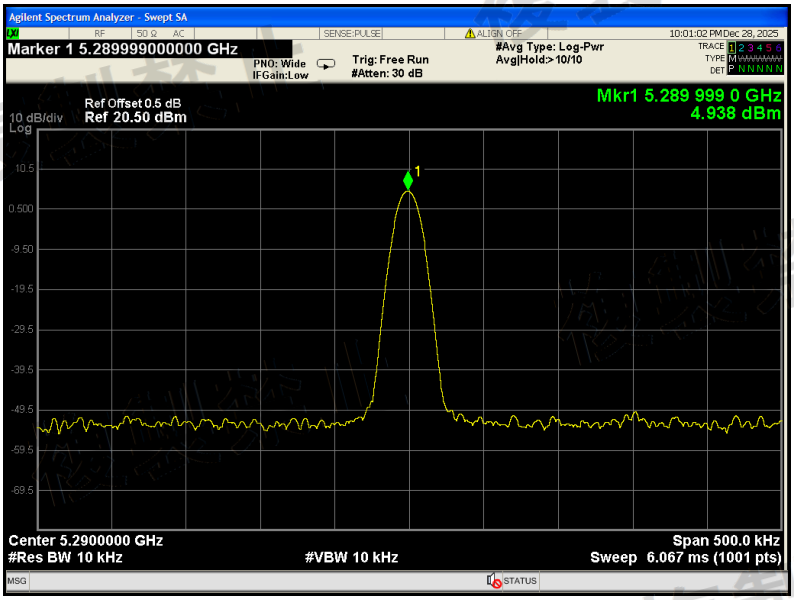
Channel 5270MHz



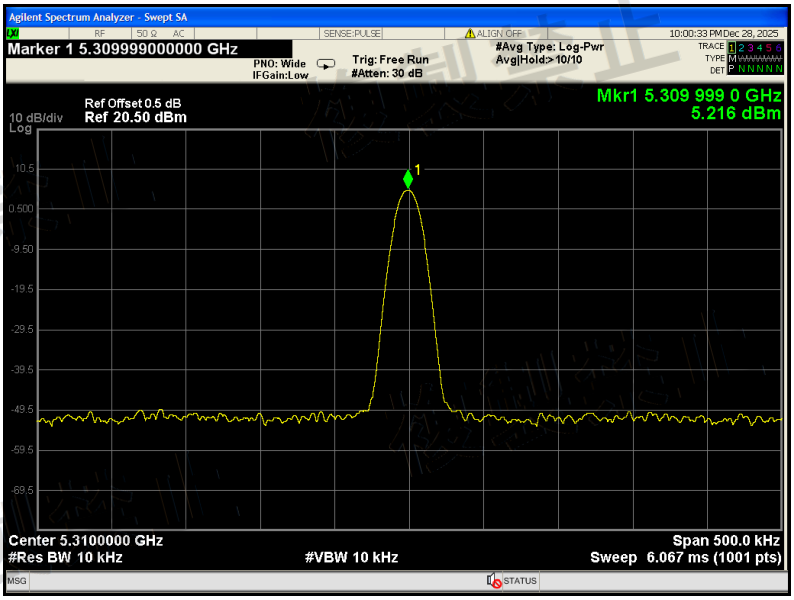
Channel 5280MHz



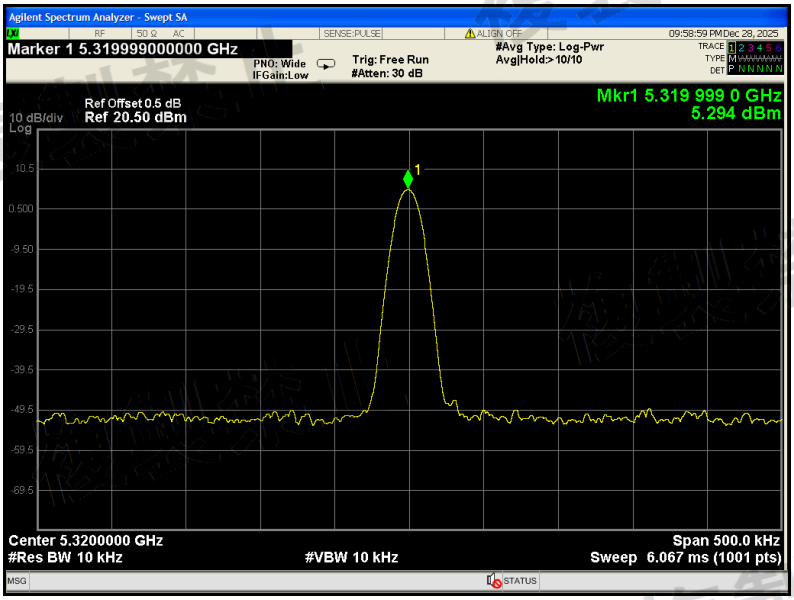
Channel 5290MHz



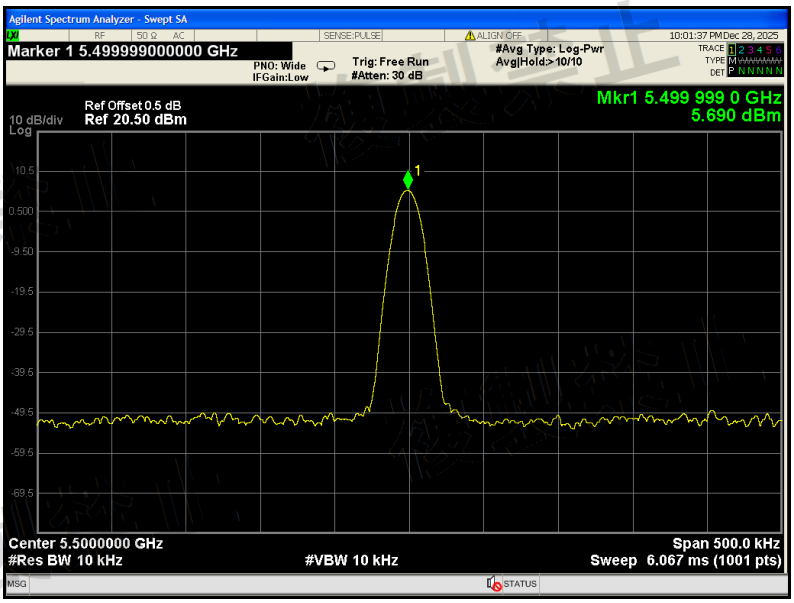
Channel 5310MHz



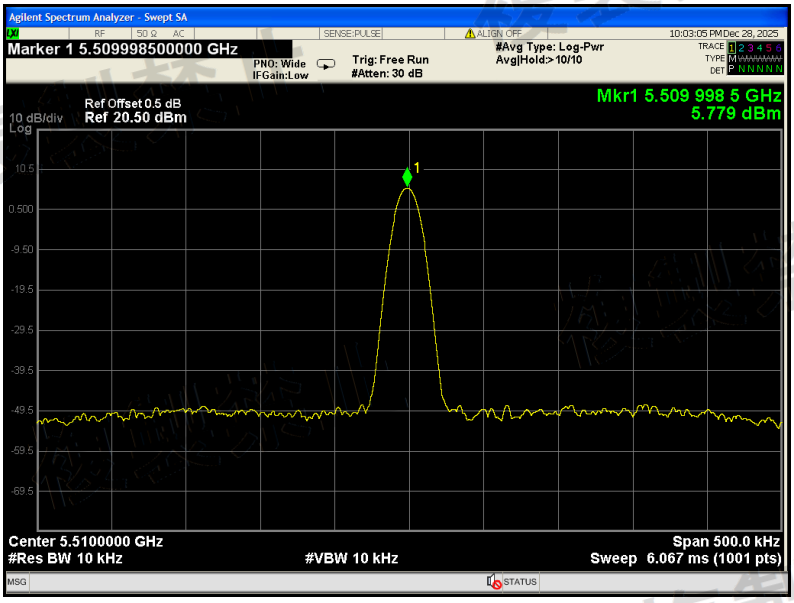
Channel 5320MHz



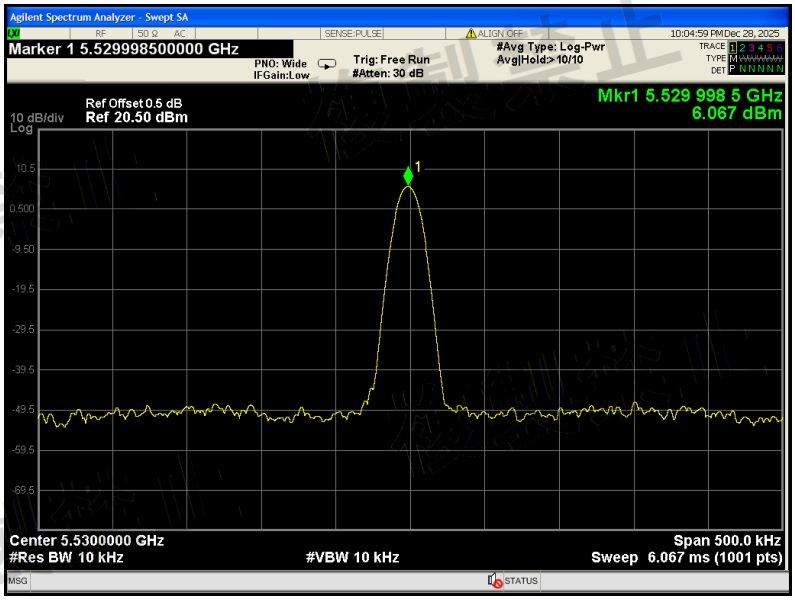
Channel 5500MHz



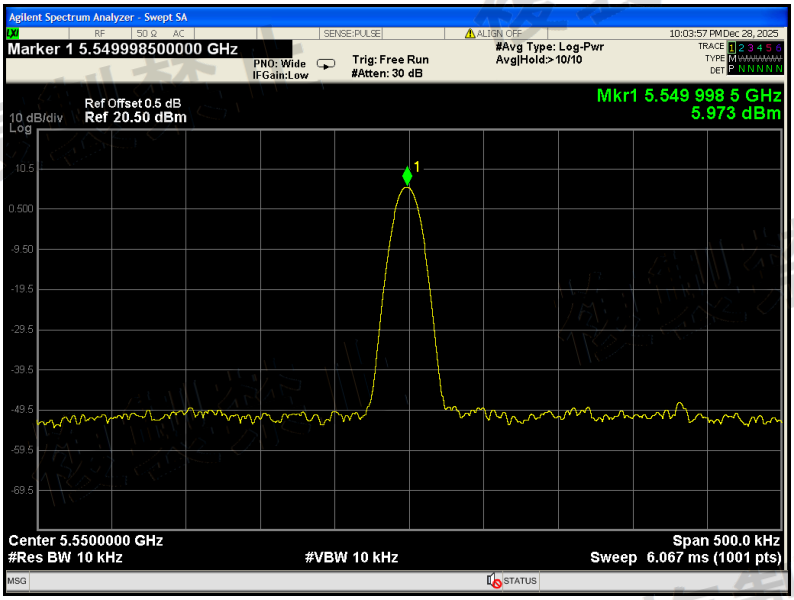
Channel 5510MHz



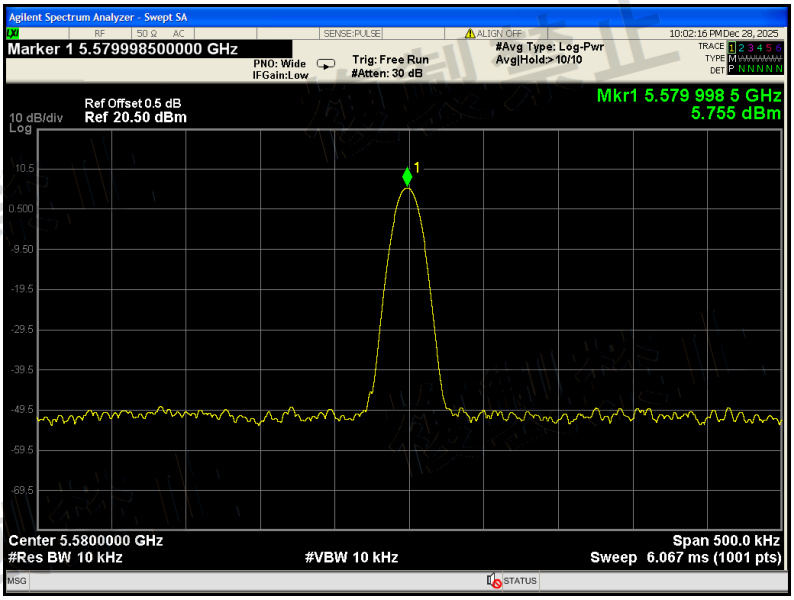
Channel 5530MHz



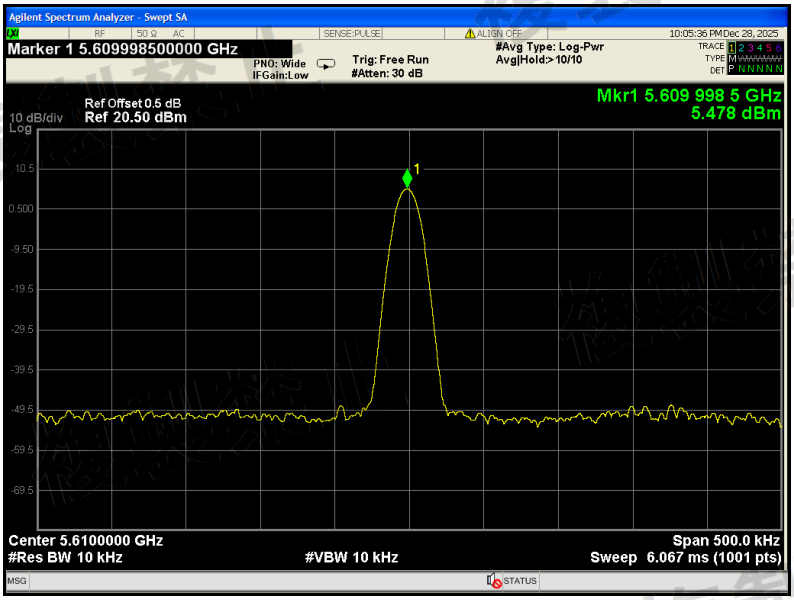
Channel 5550MHz



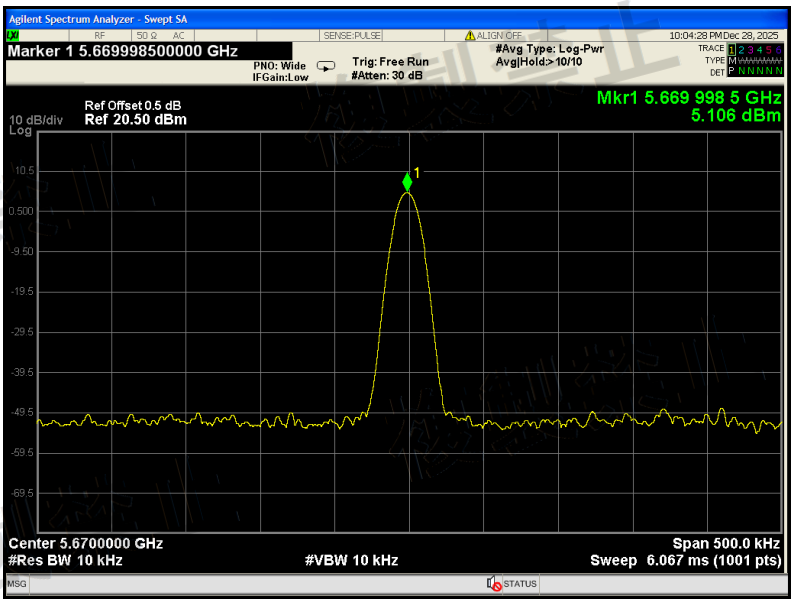
Channel 5580MHz



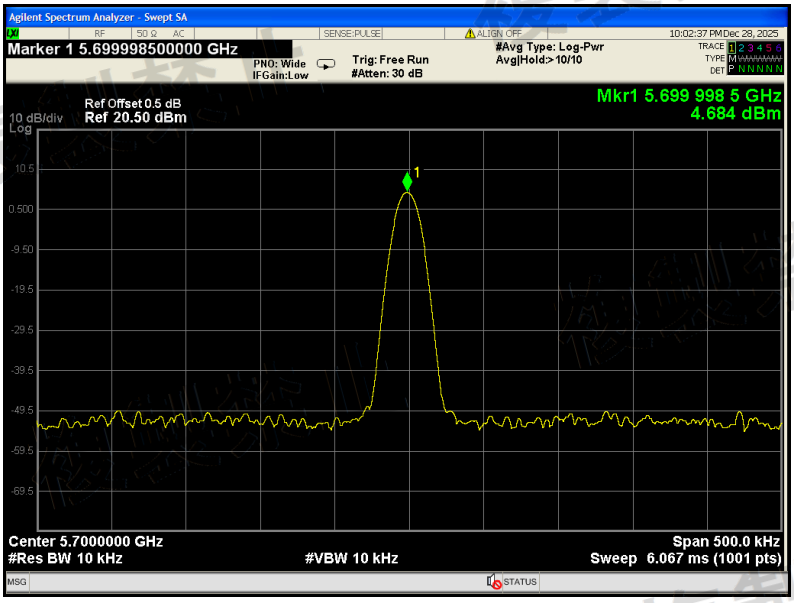
Channel 5610MHz



Channel 5670MHz



Channel 5700MHz



6.3 Equivalent Isotropic Radiated Power

6.3.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

6.3.2 Limit

According to Article 2 Paragraph 1 of Item 19-3, It equivalent isotropic radiated power in the bandwidth of 1MHz are as follows. However, there is a transitional measure.

a, Use radio waves in the W52 band, the isotropic radiated power should be 10mW or less for HT20 , 5mW or less for HT40, 2.5mW or less for HT80 and 1.25mW or less for HT80+HT80;

b, Use radio waves in the W53 band, the isotropic radiated power should be 10mW or less with TPC and 5mW or less without TPC for HT20, 5mW or less with TPC and 2.5mW or less without TPC for HT40, 2.5mW or less with TPC and 1.25mW or less without TPC for HT80, 1.25mW or less with TPC and 0.625mW or less without TPC for HT80+HT80;

c, Use radio waves in the W56 band, the isotropic radiated power should be 50mW or less with TPC and 25mW or less without TPC for HT20, 25mW or less with TPC and 12.5mW or less without TPC for HT40, 12.5mW or less with TPC and 6.25mW or less without TPC for HT80, 6.25mW or less with TPC and 3.125mW or less without TPC for HT80+HT80;

6.3.3 Test Procedures

EIRP=Conducted Power (dBm/MHz)+Antenna Gain(dBi)

6.3.4 Test Result

Remark：The EUT doesn't support TPC

ANT 1:

W52:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	0.770	10	5.56	2.77	10	PASS
	Middle	0.785	10		2.82		PASS
	High	1.180	10		4.25		PASS
802.11n-HT20	Low	0.769	10		2.77	10	PASS
	Middle	0.997	10		3.59		PASS
	High	1.226	10		4.41		PASS
802.11ac-VHT20	Low	0.637	10		2.29	10	PASS
	Middle	0.939	10		3.38		PASS
	High	1.198	10		4.31		PASS
802.11ax-HE20	Low	0.807	10		2.90	10	PASS
	Middle	0.748	10		2.69		PASS
	High	1.168	10		4.20		PASS
802.11n-HT40	Low	0.614	5		2.21	5	PASS
	High	0.711	5		2.56		PASS
802.11ac-VHT40	Low	0.588	5		2.12	5	PASS
	High	0.780	5		2.81		PASS
802.11ax-HE40	Low	0.529	5		1.90	5	PASS
	High	0.717	5		2.58		PASS
802.11ac-VHT80	Low	0.254	2.5		0.91	2.5	PASS
802.11ax-HE80	Low	0.257	2.5		0.92	2.5	PASS

W53:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	0.523	10	5.56	1.88	5	PASS
	Middle	0.654	10		2.35		PASS
	High	0.597	10		2.15		PASS
802.11n-HT20	Low	0.519	10		1.87	5	PASS
	Middle	0.647	10		2.33		PASS
	High	0.708	10		2.55		PASS
802.11ac-VHT20	Low	0.486	10		1.75	5	PASS
	Middle	0.555	10		2.00		PASS
	High	0.692	10		2.49		PASS
802.11ax-HE20	Low	0.533	10		1.92	5	PASS
	Middle	0.610	10		2.19		PASS
	High	0.675	10		2.43		PASS
802.11n-HT40	Low	0.279	5		1.00	2.5	PASS
	High	0.307	5		1.10		PASS
802.11ac-VHT40	Low	0.294	5		1.06	2.5	PASS
	High	0.311	5		1.12		PASS
802.11ax-HE40	Low	0.256	5		0.92	2.5	PASS
	High	0.302	5		1.09		PASS
802.11ac-VHT80	Low	0.165	2.5		0.59	1.25	PASS
802.11ax-HE80	Low	0.183	2.5		0.66	1.25	PASS

W56:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	1.907	10	5.56	6.86	25	PASS
	Middle	1.584	10		5.70		PASS
	High	1.371	10		4.93		PASS
802.11n-HT20	Low	1.814	10		6.53	25	PASS
	Middle	1.743	10		6.27		PASS
	High	1.300	10		4.68		PASS
802.11ac-VHT20	Low	1.862	10		6.70	25	PASS
	Middle	1.668	10		6.00		PASS
	High	1.206	10		4.34		PASS
802.11ax-HE20	Low	1.759	10		6.33	25	PASS
	Middle	1.629	10		5.86		PASS
	High	1.397	10		5.03		PASS
802.11n-HT40	Low	0.672	5		2.42	12.5	PASS
	Middle	0.659	5		2.37		PASS
	High	0.569	5		2.05		PASS
802.11ac-VHT40	Low	0.618	5		2.22	12.5	PASS
	Middle	0.669	5		2.41		PASS
	High	0.575	5		2.07		PASS
802.11ax-HE40	Low	0.673	5		2.42	12.5	PASS
	Middle	0.564	5		2.03		PASS
	High	0.536	5		1.93		PASS
802.11ac-VHT80	Low	0.326	2.5		1.17	6.25	PASS
	High	0.270	2.5		0.97		PASS
802.11ax-HE80	Low	0.279	2.5		1.00	6.25	PASS
	High	0.260	2.5		0.94		PASS

ANT 2:
W52:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	0.623	10	5.56	2.24	10	PASS
	Middle	0.839	10		3.02		PASS
	High	0.834	10		3.00		PASS
802.11n-HT20	Low	0.699	10		2.51	10	PASS
	Middle	0.808	10		2.91		PASS
	High	0.873	10		3.14		PASS
802.11ac-VHT20	Low	0.747	10		2.69	10	PASS
	Middle	0.832	10		2.99		PASS
	High	0.996	10		3.58		PASS
802.11ax-HE20	Low	0.724	10		2.60	10	PASS
	Middle	0.784	10		2.82		PASS
	High	0.996	10		3.58		PASS
802.11n-HT40	Low	0.543	5		1.95	5	PASS
	High	0.674	5		2.42		PASS
802.11ac-VHT40	Low	0.467	5		1.68	5	PASS
	High	0.548	5		1.97		PASS
802.11ax-HE40	Low	0.428	5		1.54	5	PASS
	High	0.589	5		2.12		PASS
802.11ac-VHT80	Low	0.247	2.5		0.89	2.5	PASS
802.11ax-HE80	Low	0.221	2.5		0.80	2.5	PASS

W53:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	0.534	10	5.56	1.92	5	PASS
	Middle	0.458	10		1.65		PASS
	High	0.534	10		1.92		PASS
802.11n-HT20	Low	0.452	10		1.63	5	PASS
	Middle	0.472	10		1.70		PASS
	High	0.554	10		1.99		PASS
802.11ac-VHT20	Low	0.393	10		1.41	5	PASS
	Middle	0.446	10		1.60		PASS
	High	0.503	10		1.81		PASS
802.11ax-HE20	Low	0.473	10		1.70	5	PASS
	Middle	0.500	10		1.80		PASS
	High	0.542	10		1.95		PASS
802.11n-HT40	Low	0.229	5		0.82	2.5	PASS
	High	0.258	5		0.93		PASS
802.11ac-VHT40	Low	0.236	5		0.85	2.5	PASS
	High	0.239	5		0.86		PASS
802.11ax-HE40	Low	0.205	5		0.74	2.5	PASS
	High	0.235	5		0.85		PASS
802.11ac-VHT80	Low	0.140	2.5		0.50	1.25	PASS
802.11ax-HE80	Low	0.120	2.5		0.43	1.25	PASS

W56:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	1.443	10	5.56	5.19	25	PASS
	Middle	1.585	10		5.70		PASS
	High	1.371	10		4.93		PASS
802.11n-HT20	Low	1.513	10		5.44	25	PASS
	Middle	1.667	10		6.00		PASS
	High	1.686	10		6.07		PASS
802.11ac-VHT20	Low	1.402	10		5.04	25	PASS
	Middle	1.643	10		5.91		PASS
	High	1.462	10		5.26		PASS
802.11ax-HE20	Low	1.485	10		5.34	25	PASS
	Middle	1.516	10		5.45		PASS
	High	1.413	10		5.08		PASS
802.11n-HT40	Low	0.575	5		2.07	12.5	PASS
	Middle	0.640	5		2.30		PASS
	High	0.610	5		2.19		PASS
802.11ac-VHT40	Low	0.579	5		2.08	12.5	PASS
	Middle	0.652	5		2.35		PASS
	High	0.639	5		2.30		PASS
802.11ax-HE40	Low	0.536	5		1.93	12.5	PASS
	Middle	0.549	5		1.98		PASS
	High	0.584	5		2.10		PASS
802.11ac-VHT80	Low	0.262	2.5		0.94	6.25	PASS
	High	0.278	2.5		1.00		PASS
802.11ax-HE80	Low	0.274	2.5		0.99	6.25	PASS
	High	0.324	2.5		1.17		PASS

ANT 1 + ANT 2:
W52:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	1.393	10	5.56	5.01	10	PASS
	Middle	1.624	10		5.84		PASS
	High	2.014	10		7.25		PASS
802.11n-HT20	Low	1.468	10		5.28	10	PASS
	Middle	1.805	10		6.5		PASS
	High	2.099	10		7.55		PASS
802.11ac-VHT20	Low	1.384	10		4.98	10	PASS
	Middle	1.771	10		6.37		PASS
	High	2.194	10		7.89		PASS
802.11ax-HE20	Low	1.531	10		5.5	10	PASS
	Middle	1.532	10		5.51		PASS
	High	2.164	10		7.78		PASS
802.11n-HT40	Low	1.157	5		4.16	5	PASS
	High	1.385	5		4.98		PASS
802.11ac-VHT40	Low	1.055	5		3.8	5	PASS
	High	1.328	5		4.78		PASS
802.11ax-HE40	Low	0.957	5		3.44	5	PASS
	High	1.306	5		4.7		PASS
802.11ac-VHT80	Low	0.501	2.5		1.8	2.5	PASS
802.11ax-HE80	Low	0.478	2.5		1.72	2.5	PASS

W53:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	1.057	10	5.56	3.8	5	PASS
	Middle	1.112	10		4		PASS
	High	1.131	10		4.07		PASS
802.11n-HT20	Low	0.971	10		3.5	5	PASS
	Middle	1.119	10		4.03		PASS
	High	1.262	10		4.54		PASS
802.11ac-VHT20	Low	0.879	10		3.16	5	PASS
	Middle	1.001	10		3.6		PASS
	High	1.195	10		4.3		PASS
802.11ax-HE20	Low	1.006	10		3.62	5	PASS
	Middle	1.11	10		3.99		PASS
	High	1.217	10		4.38		PASS
802.11n-HT40	Low	0.508	5		1.82	2.5	PASS
	High	0.565	5		2.03		PASS
802.11ac-VHT40	Low	0.53	5		1.91	2.5	PASS
	High	0.55	5		1.98		PASS
802.11ax-HE40	Low	0.461	5		1.66	2.5	PASS
	High	0.537	5		1.93		PASS
802.11ac-VHT80	Low	0.305	2.5		1.10	1.25	PASS
802.11ax-HE80	Low	0.303	2.5		1.09	1.25	PASS

W56:

Modulation	CH	Ant. Power (mW/MHz)		Gain (dBi)	EIRP (mW/MHz)		Verdict
		Power	Limit		EIRP	Limit	
802.11a	Low	3.35	10	5.56	12.05	25	PASS
	Middle	3.169	10		11.4		PASS
	High	2.742	10		9.86		PASS
802.11n-HT20	Low	3.327	10		11.97	25	PASS
	Middle	3.41	10		12.27		PASS
	High	2.986	10		10.75		PASS
802.11ac-VHT20	Low	3.264	10		11.74	25	PASS
	Middle	3.311	10		11.91		PASS
	High	2.668	10		9.6		PASS
802.11ax-HE20	Low	3.244	10		11.67	25	PASS
	Middle	3.145	10		11.31		PASS
	High	2.81	10		10.11		PASS
802.11n-HT40	Low	1.247	5		4.49	12.5	PASS
	Middle	1.299	5		4.67		PASS
	High	1.179	5		4.24		PASS
802.11ac-VHT40	Low	1.197	5		4.3	12.5	PASS
	Middle	1.321	5		4.76		PASS
	High	1.214	5		4.37		PASS
802.11ax-HE40	Low	1.209	5		4.35	12.5	PASS
	Middle	1.113	5		4.01		PASS
	High	1.12	5		4.03		PASS
802.11ac-VHT80	Low	0.588	2.5		2.11	6.25	PASS
	High	0.548	2.5		1.97		PASS
802.11ax-HE80	Low	0.553	2.5		1.99	6.25	PASS
	High	0.584	2.5		2.11		PASS

6.4 Occupied Frequency Bandwidth

6.4.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

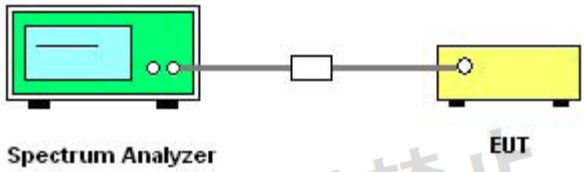
6.4.2 Limit

According to Article 2 Paragraph 1 of Item 19-3, permissible value for occupied bandwidth use the OFDM modulation shall be HT20 mode of OBW should be 20MHz or less, for HT40 mode of OBW should be 40MHz or less, for HT80 mode of OBW should be 80MHz or less, for HT80+HT80 mode of OBW should be 160MHz or less.

6.4.3 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

6.4.4 Test Setup



6.4.5 Test Procedures

1. Setting of SA is following as:
   RB/VB: 300kHz
   SPAN: 2 to 3.5 times the limit
   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.
SA set to 99% of occupied bandwidth to measure occupied bandwidth.

3. When the trace was stable, captures the plots and saved. Compare with the limits above.

4. Repeat above steps for all bandwidths.

6.4.6 Test Result

ANT 1:

W52:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	16.827	< 20
	Middle	16.756	< 20
	High	16.863	< 20
802.11n-HT20	Low	18.004	< 20
	Middle	18.010	< 20
	High	18.002	< 20
802.11ac-VHT20	Low	18.006	< 20
	Middle	18.005	< 20
	High	18.016	< 20
802.11ax-HE20	Low	18.919	< 20
	Middle	18.954	< 20
	High	18.937	< 20
802.11n-HT40	Low	36.345	< 40
	High	36.311	< 40
802.11ac-VHT40	Low	36.308	< 40
	High	36.408	< 40
802.11ax-HE40	Low	37.483	< 40
	High	37.535	< 40
802.11ac-VHT80	Low	75.771	< 80
802.11ax-HE80	Low	77.045	< 80

W53:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	16.898	< 20
	Middle	16.807	< 20
	High	16.783	< 20
802.11n-HT20	Low	18.040	< 20
	Middle	18.005	< 20
	High	18.015	< 20
802.11ac-VHT20	Low	18.005	< 20
	Middle	18.009	< 20
	High	18.002	< 20
802.11ax-HE20	Low	18.918	< 20
	Middle	18.943	< 20
	High	18.964	< 20
802.11n-HT40	Low	36.203	< 40
	High	36.219	< 40
802.11ac-VHT40	Low	36.227	< 40
	High	36.233	< 40
802.11ax-HE40	Low	37.526	< 40
	High	37.529	< 40
802.11ac-VHT80	Low	75.669	< 80
802.11ax-HE80	Low	77.028	< 80

W56:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	17.341	< 20
	Middle	17.102	< 20
	High	17.342	< 20
802.11n-HT20	Low	18.043	< 20
	Middle	18.049	< 20
	High	18.287	< 20
802.11ac-VHT20	Low	18.102	< 20
	Middle	18.115	< 20
	High	18.348	< 20
802.11ax-HE20	Low	19.128	< 20
	Middle	19.049	< 20
	High	19.030	< 20
802.11n-HT40	Low	36.497	< 40
	Middle	36.441	< 40
	High	36.774	< 40
802.11ac-VHT40	Low	36.448	< 40
	Middle	36.491	< 40
	High	36.724	< 40
802.11ax-HE40	Low	37.584	< 40
	Middle	37.576	< 40
	High	37.603	< 40
802.11ac-VHT80	Low	75.803	< 80
	High	75.891	< 80
802.11ax-HE80	Low	77.129	< 80
	High	77.072	< 80

ANT 2:

W52:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	16.943	< 20
	Middle	16.859	< 20
	High	16.795	< 20
802.11n-HT20	Low	18.096	< 20
	Middle	18.003	< 20
	High	18.018	< 20
802.11ac-VHT20	Low	18.420	< 20
	Middle	18.007	< 20
	High	18.004	< 20
802.11ax-HE20	Low	18.912	< 20
	Middle	18.874	< 20
	High	18.908	< 20
802.11n-HT40	Low	36.422	< 40
	High	36.332	< 40
802.11ac-VHT40	Low	36.376	< 40
	High	36.319	< 40
802.11ax-HE40	Low	37.556	< 40
	High	37.526	< 40
802.11ac-VHT80	Low	75.812	< 80
802.11ax-HE80	Low	77.022	< 80

W53:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	16.755	< 20
	Middle	16.726	< 20
	High	16.714	< 20
802.11n-HT20	Low	18.022	< 20
	Middle	18.001	< 20
	High	18.006	< 20
802.11ac-VHT20	Low	18.008	< 20
	Middle	18.000	< 20
	High	18.004	< 20
802.11ax-HE20	Low	18.906	< 20
	Middle	18.962	< 20
	High	19.021	< 20
802.11n-HT40	Low	36.219	< 40
	High	36.212	< 40
802.11ac-VHT40	Low	36.229	< 40
	High	36.176	< 40
802.11ax-HE40	Low	37.487	< 40
	High	37.497	< 40
802.11ac-VHT80	Low	75.642	< 80
802.11ax-HE80	Low	76.969	< 80

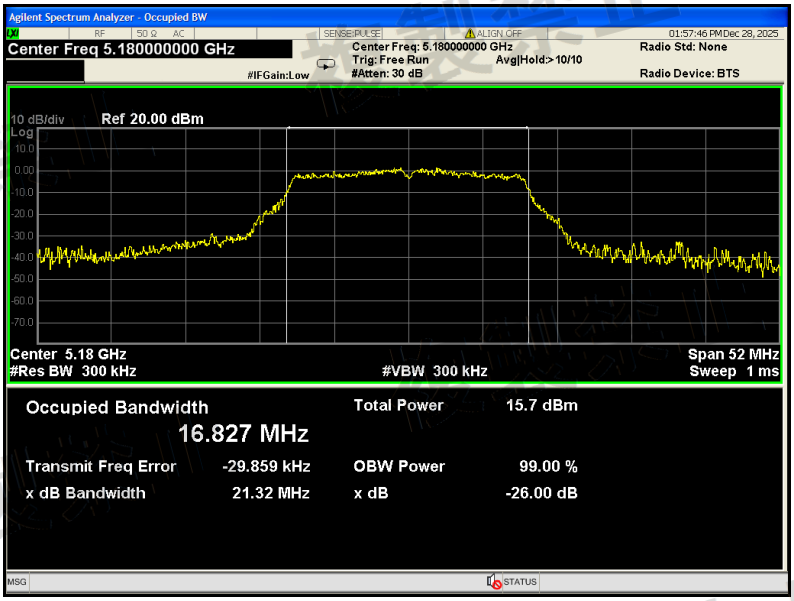
W56:

Modulation	Channel	Occupied Frequency Bandwidth (MHz)	Limit (MHz)
802.11a	Low	16.882	< 20
	Middle	16.831	< 20
	High	16.864	< 20
802.11n-HT20	Low	17.934	< 20
	Middle	17.861	< 20
	High	17.835	< 20
802.11ac-VHT20	Low	17.814	< 20
	Middle	17.879	< 20
	High	17.859	< 20
802.11ax-HE20	Low	18.949	< 20
	Middle	19.022	< 20
	High	18.943	< 20
802.11n-HT40	Low	36.314	< 40
	Middle	36.309	< 40
	High	36.365	< 40
802.11ac-VHT40	Low	36.316	< 40
	Middle	36.315	< 40
	High	36.37	< 40
802.11ax-HE40	Low	37.443	< 40
	Middle	37.408	< 40
	High	37.493	< 40
802.11ac-VHT80	Low	75.824	< 80
	High	75.698	< 80
802.11ax-HE80	Low	76.964	< 80
	High	77.049	< 80

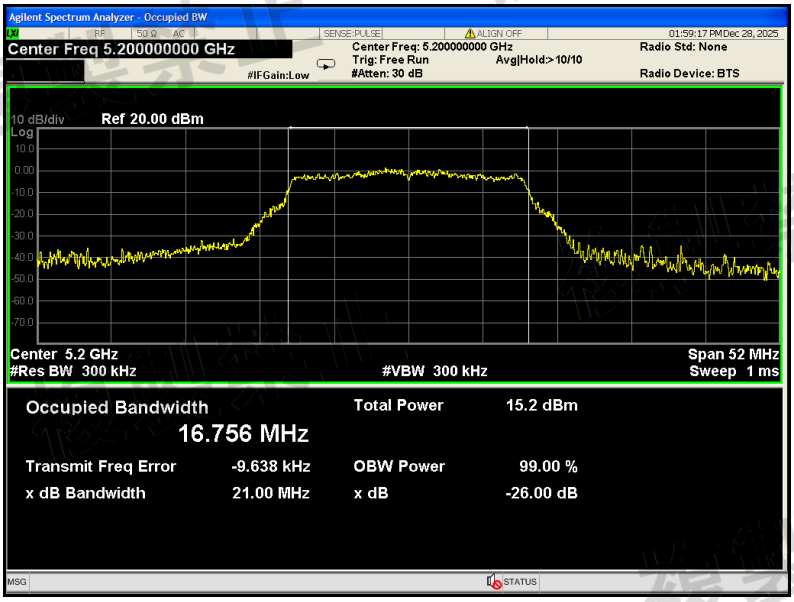
Test Plots

ANT 1:

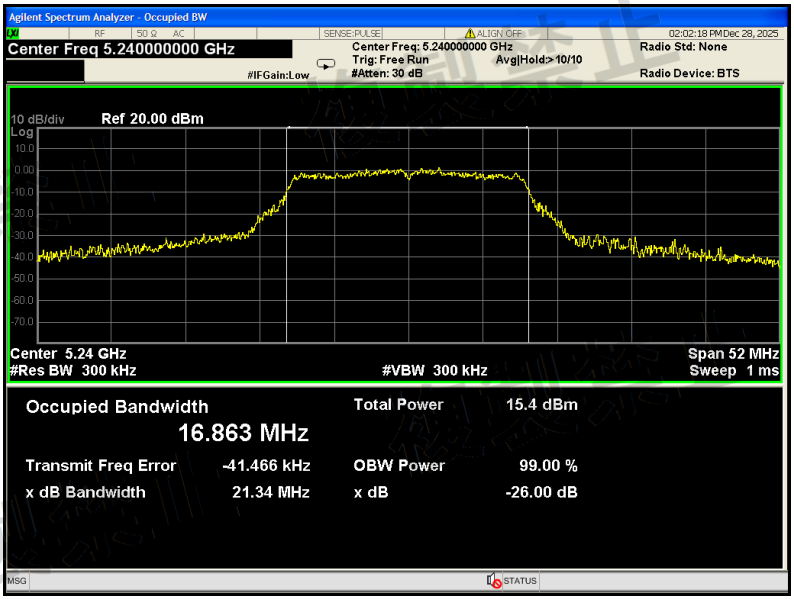
W52 802.11a Low channel



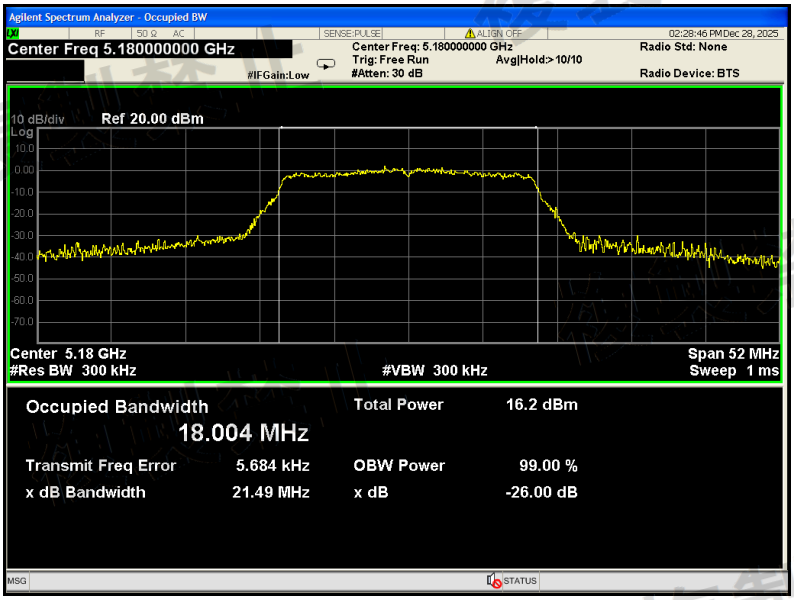
W52 802.11a Middle channel



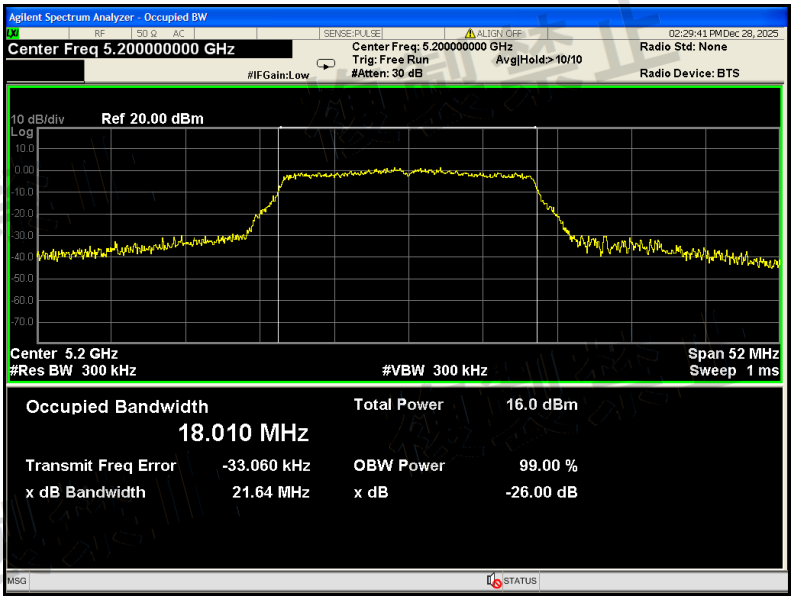
W52 802.11a High channel



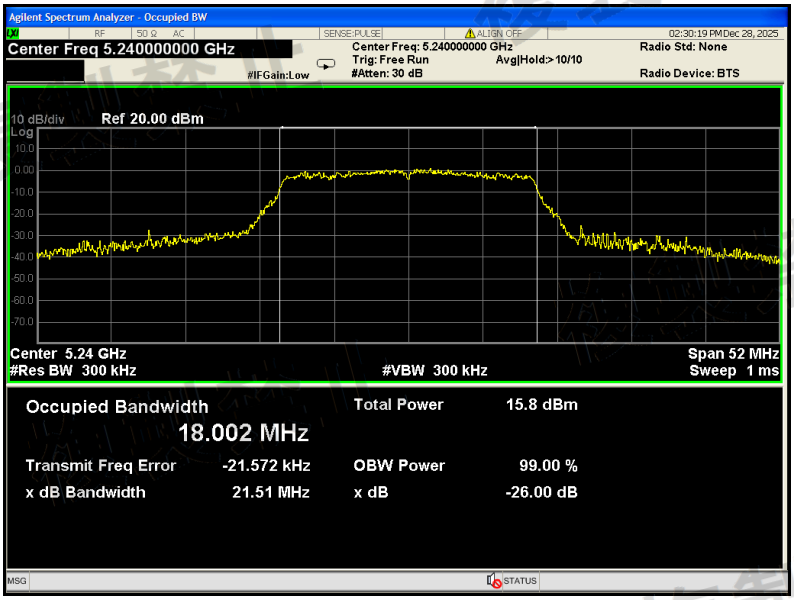
W52 802.11n-HT20 Low channel



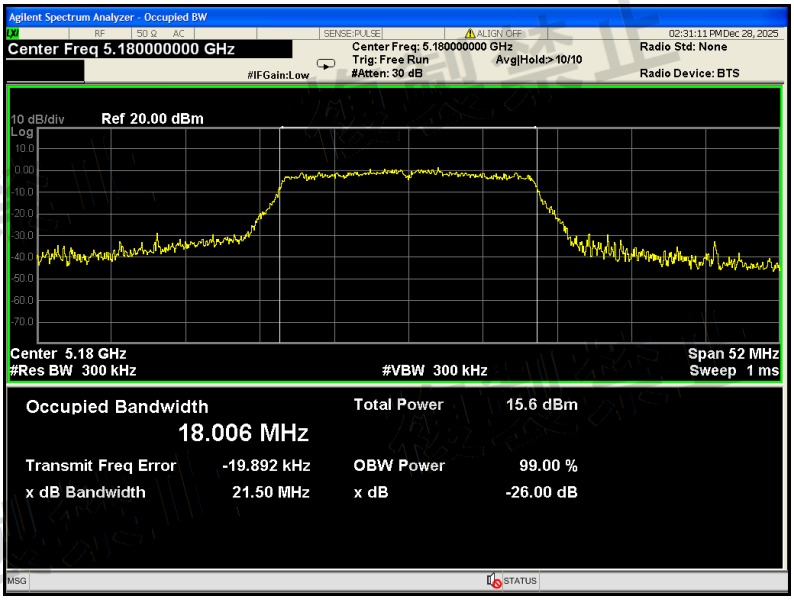
W52 802.11n-HT20 Middle channel



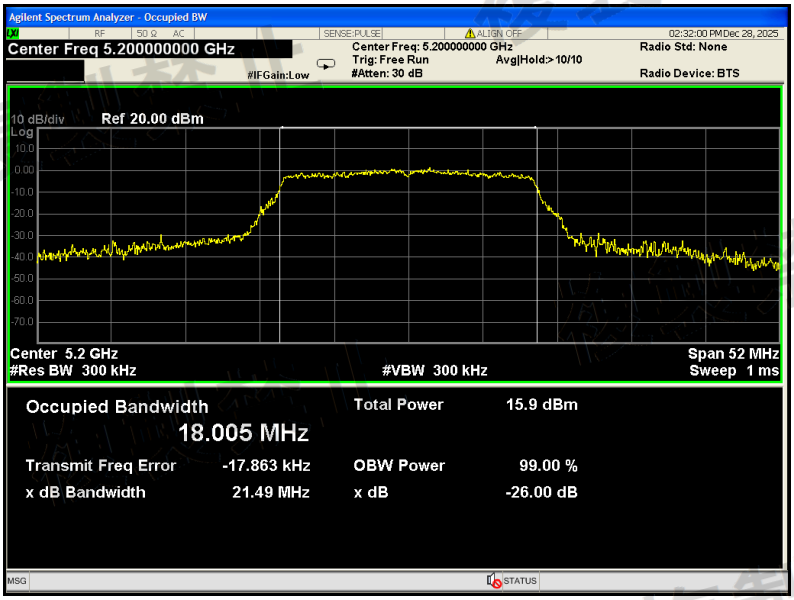
W52 802.11n-HT20 High channel



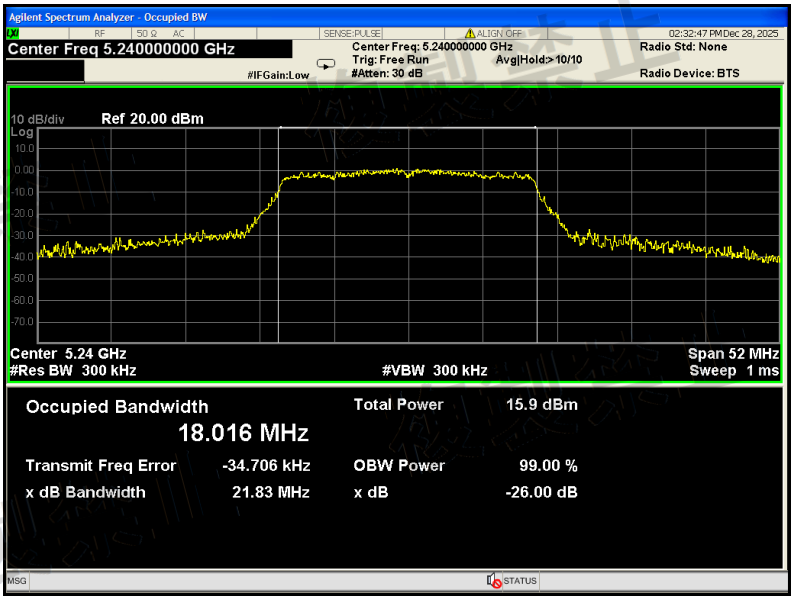
W52 802.11ac-VHT20 Low channel



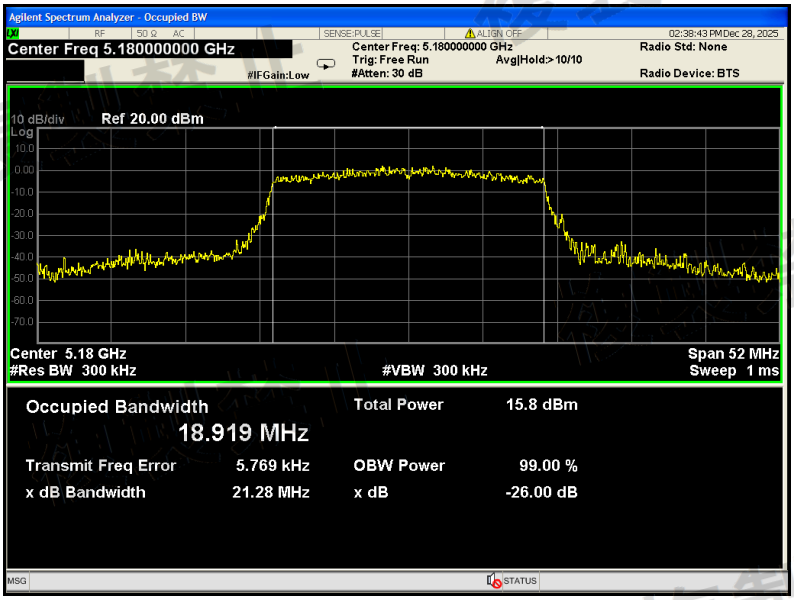
W52 802.11ac-VHT20 Middle channel



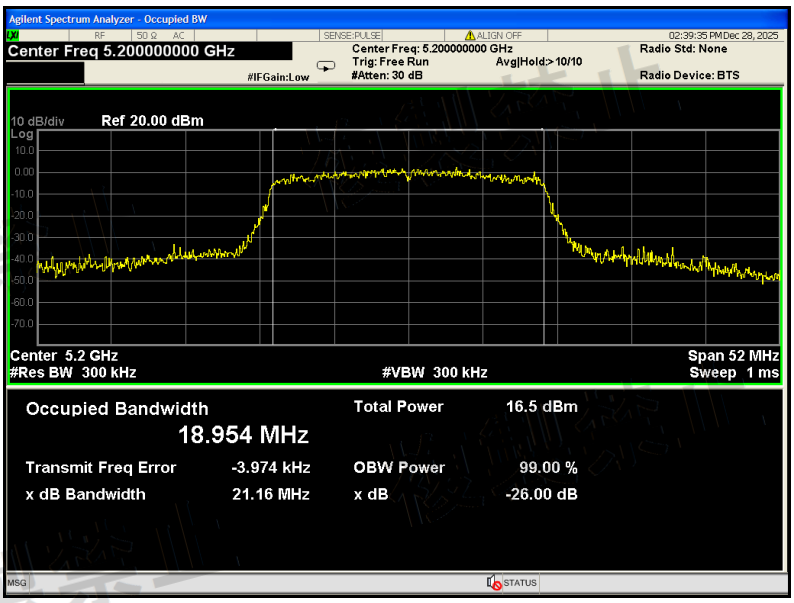
W52 802.11ac-VHT20 High channel



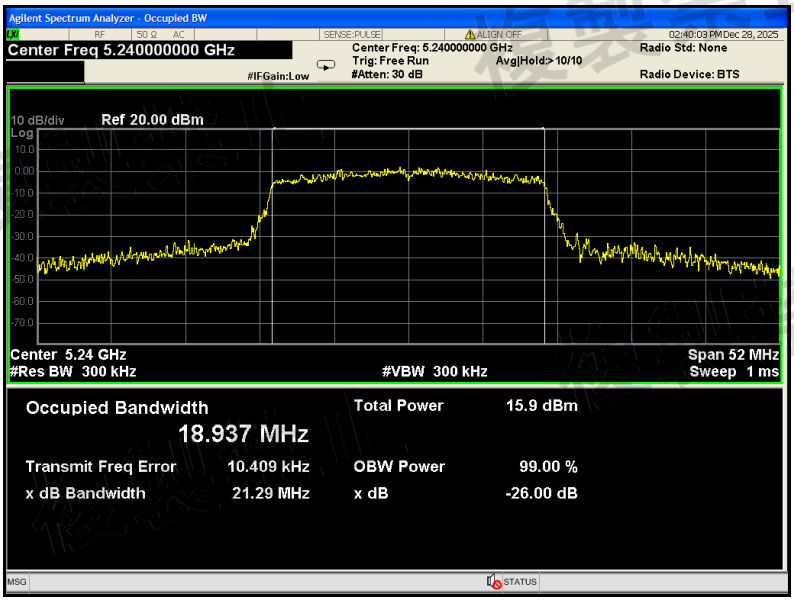
W52 802.11ax-HE20 Low channel



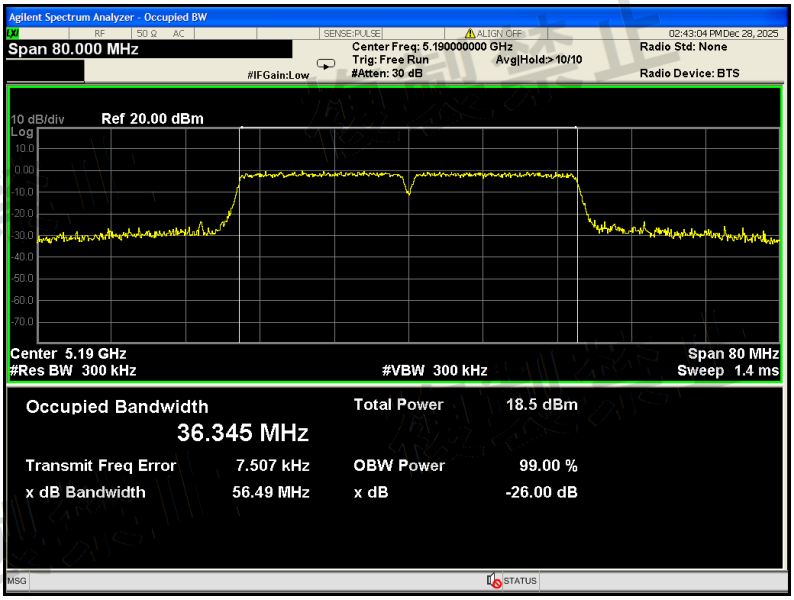
W52 802.11ax-HE20 Middle channel



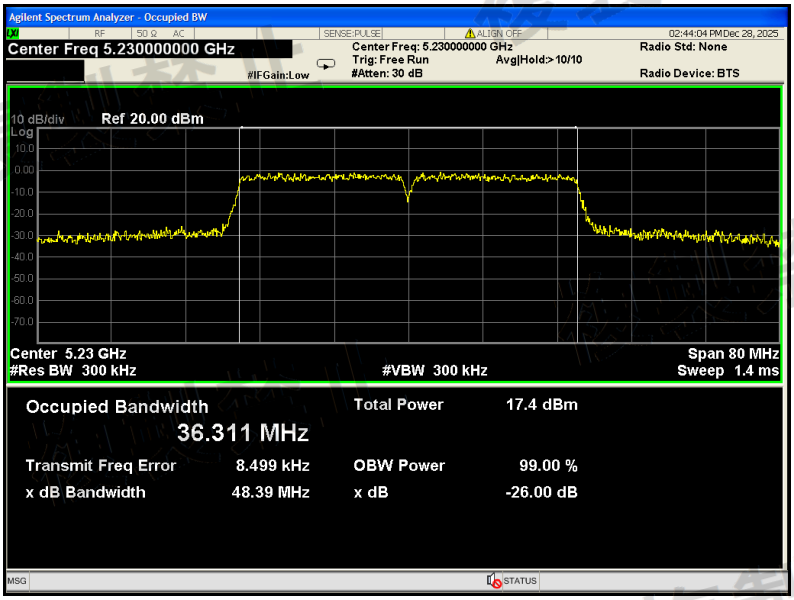
W52 802.11ax-HE20 High channel



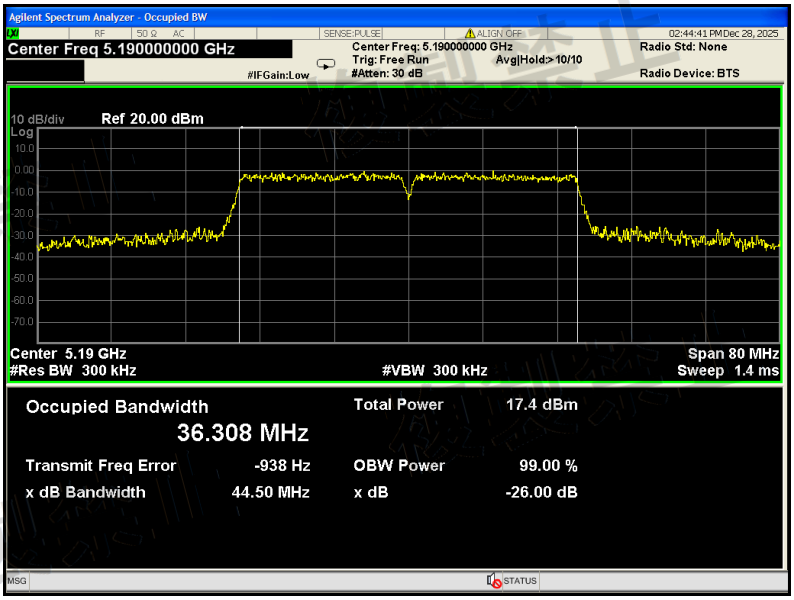
W52 802.11n-HT40 Low channel



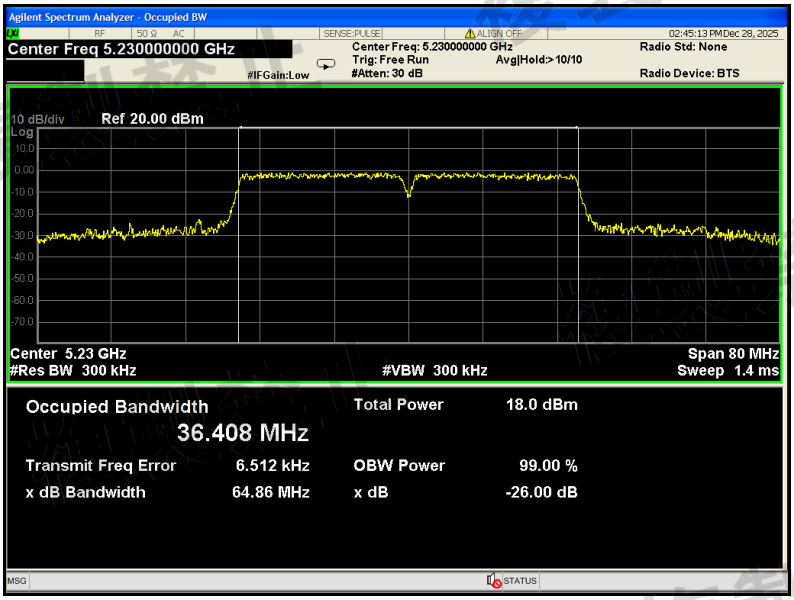
W52 802.11n-HT40 High channel



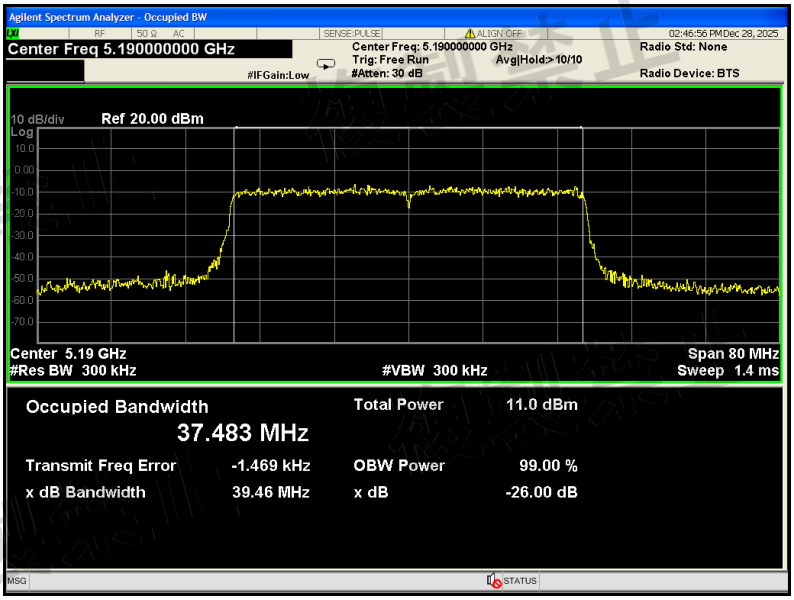
W52 802.11ac-VHT40 Low channel



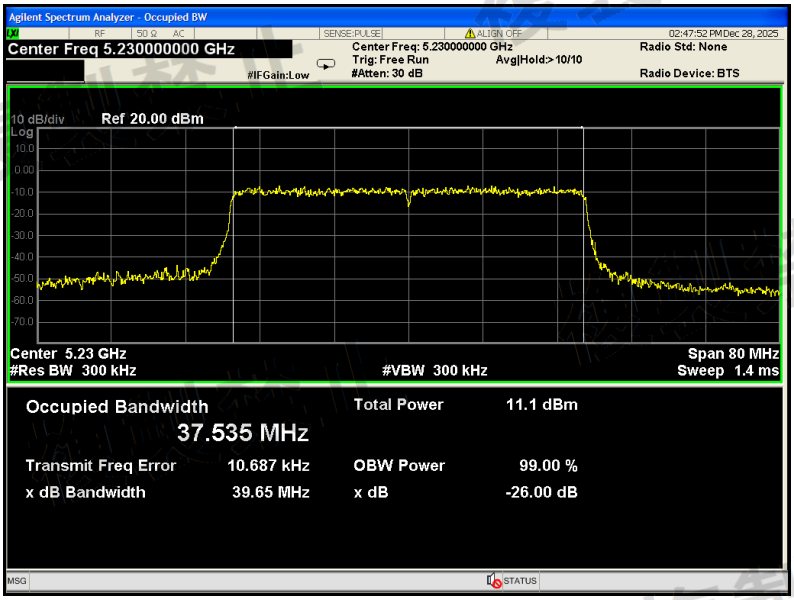
W52 802.11ac-VHT40 High channel



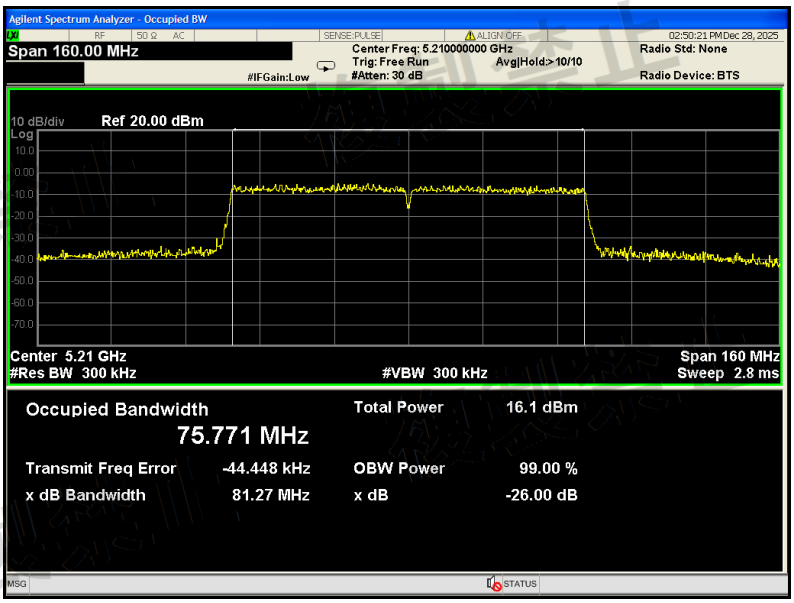
W52 802.11ax-HE40 Low channel



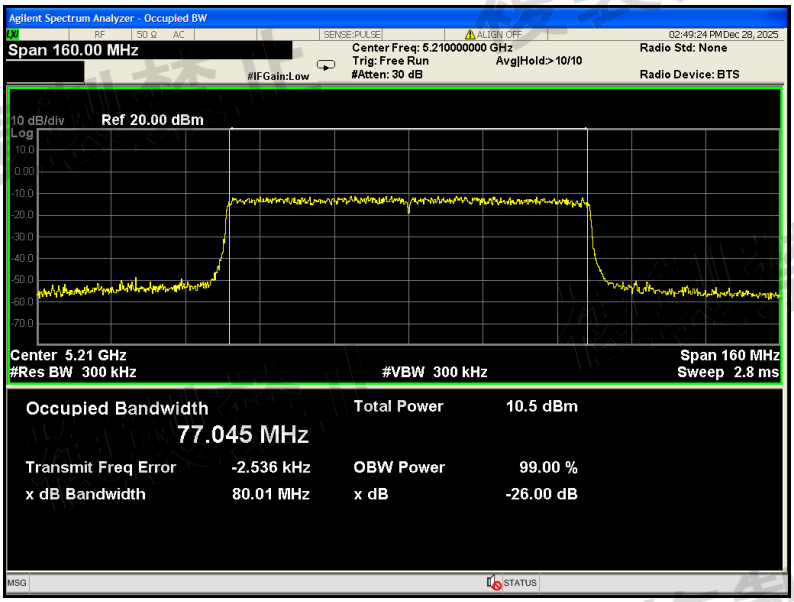
W52 802.11ax-HE40 High channel



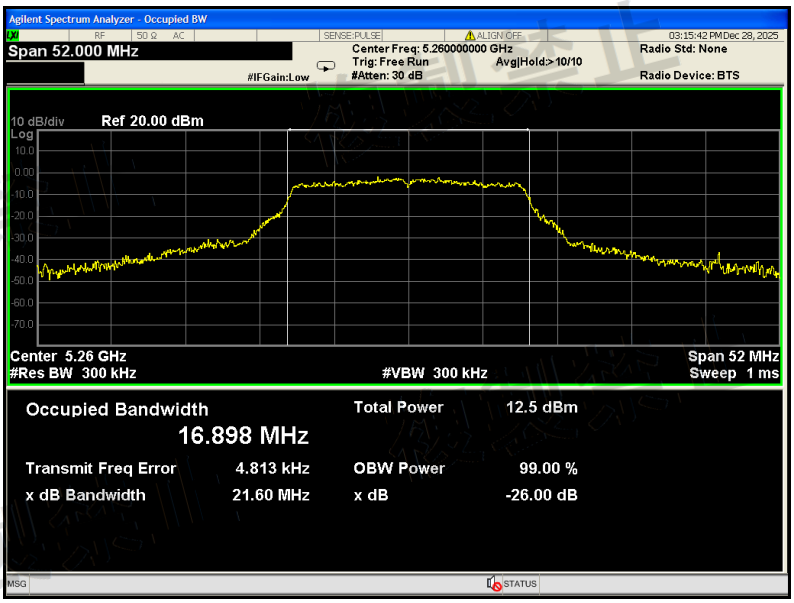
W52 802.11ac-VHT80 Low channel



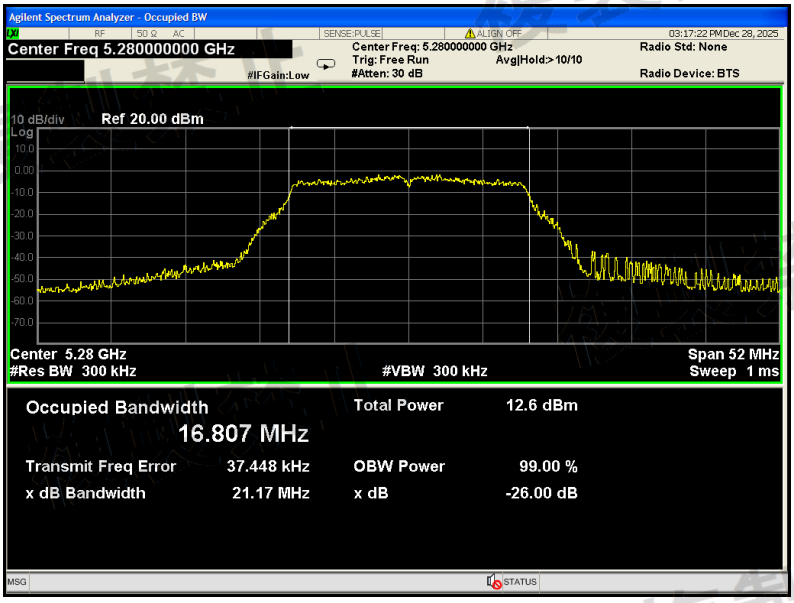
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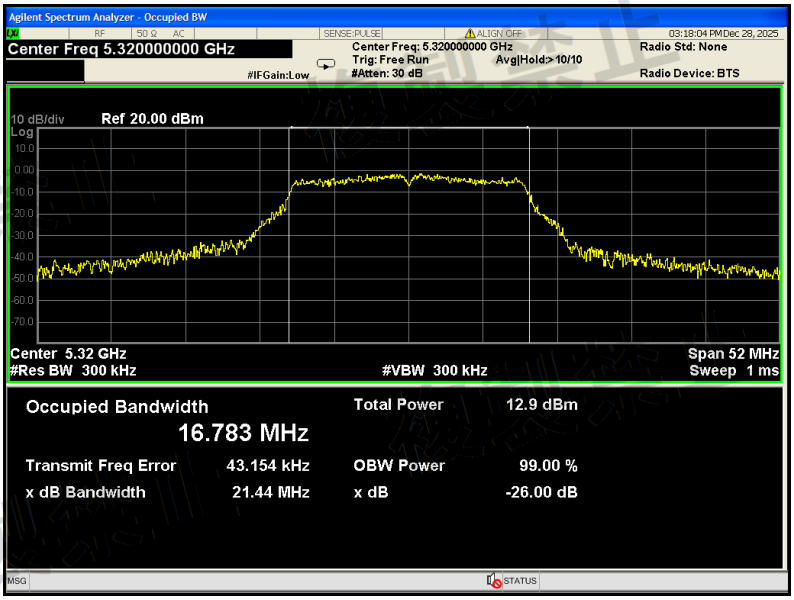
W53 802.11a Low channel



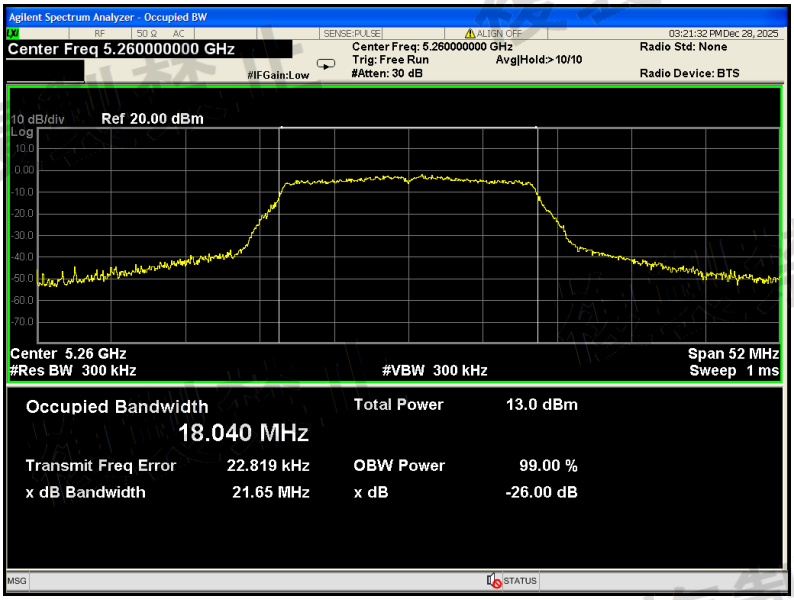
W53 802.11a Middle channel



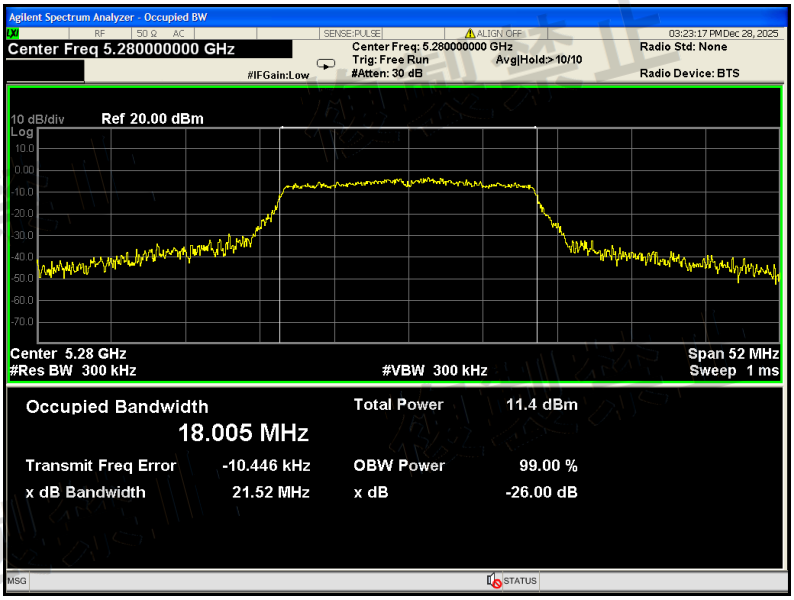
W53 802.11a High channel



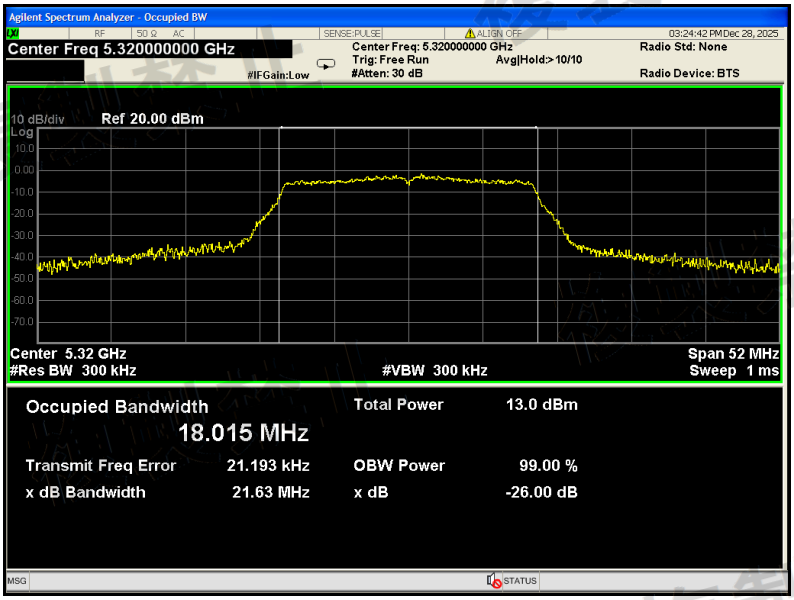
W53 802.11n-HT20 Low channel



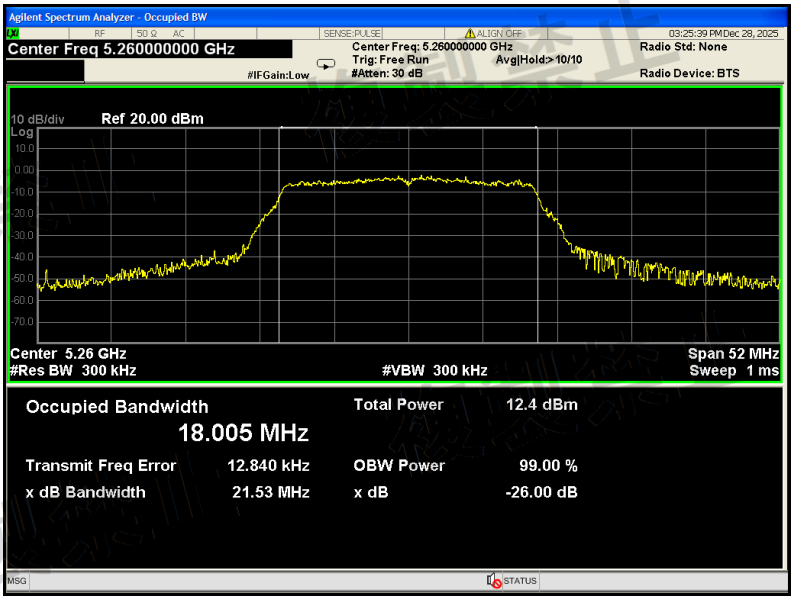
W53 802.11n-HT20 Middle channel



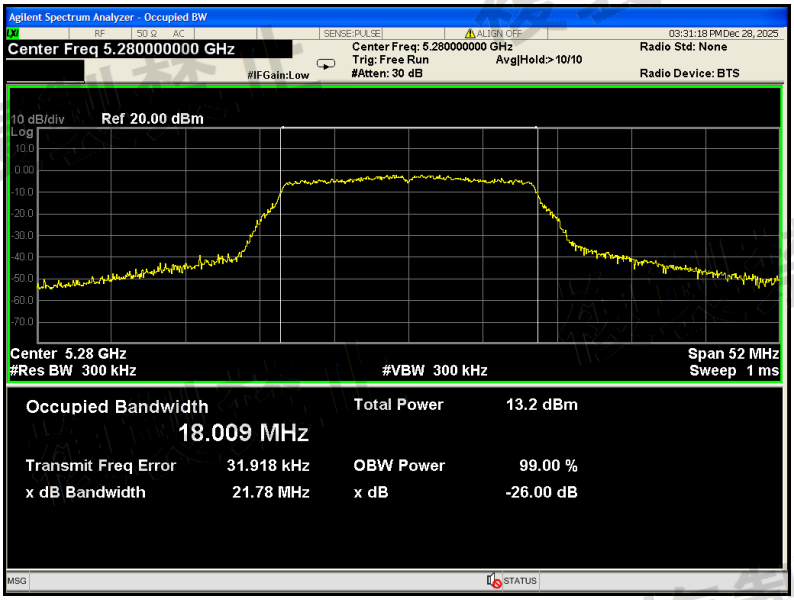
W53 802.11n-HT20 High channel



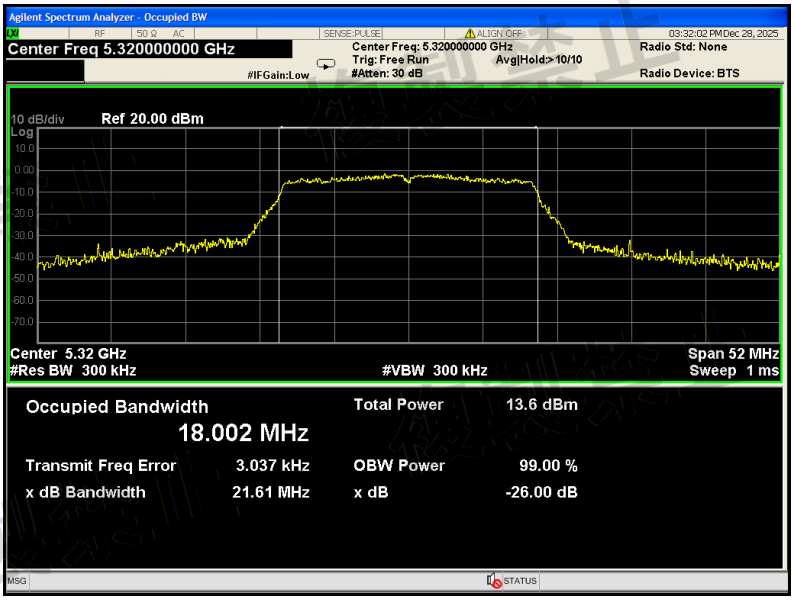
W53 802.11ac-VHT20 Low channel



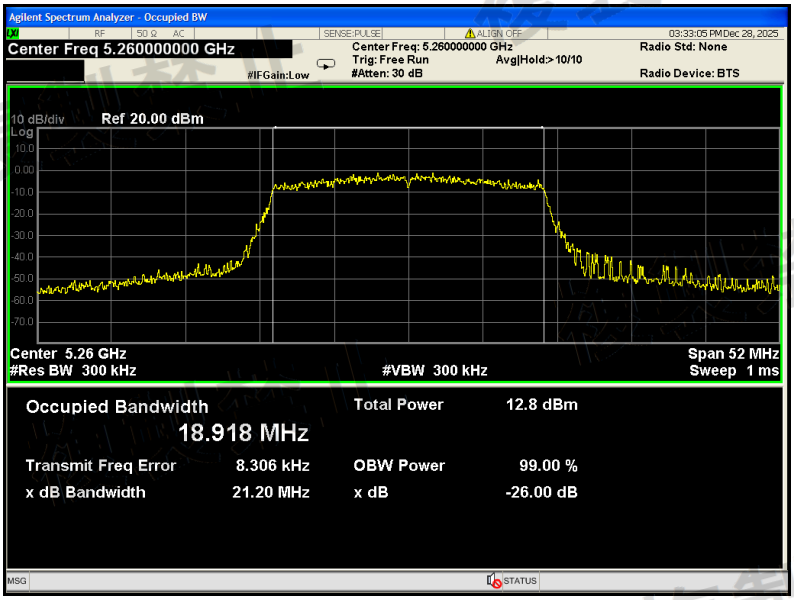
W53 802.11ac-VHT20 Middle channel



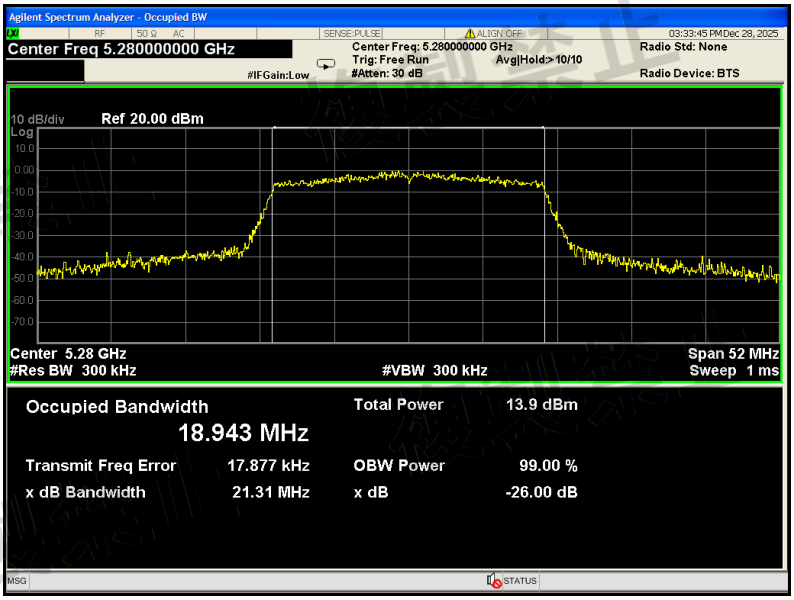
W53 802.11ac-VHT20 High channel



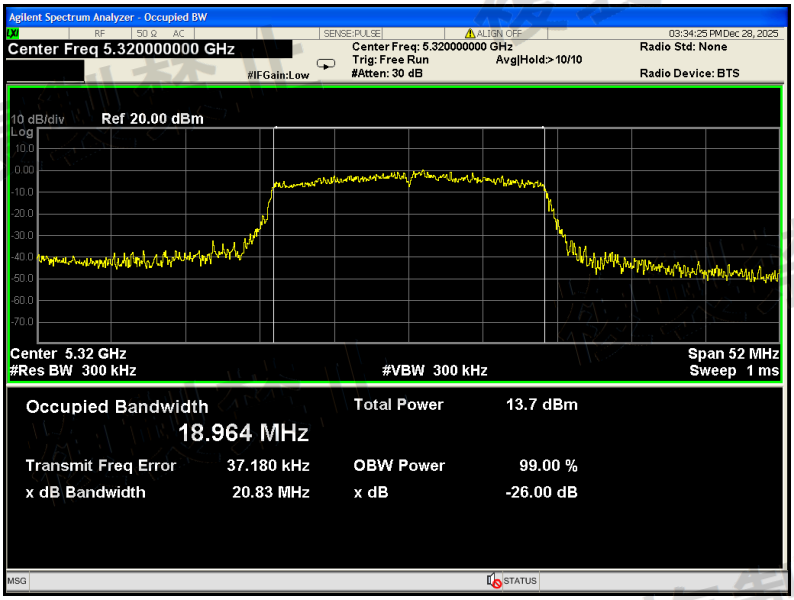
W53 802.11ax-HE20 Low channel



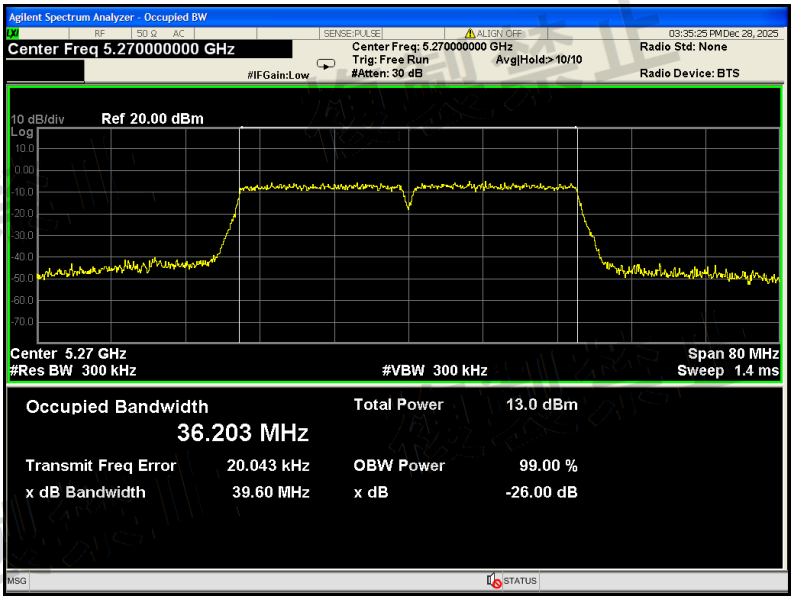
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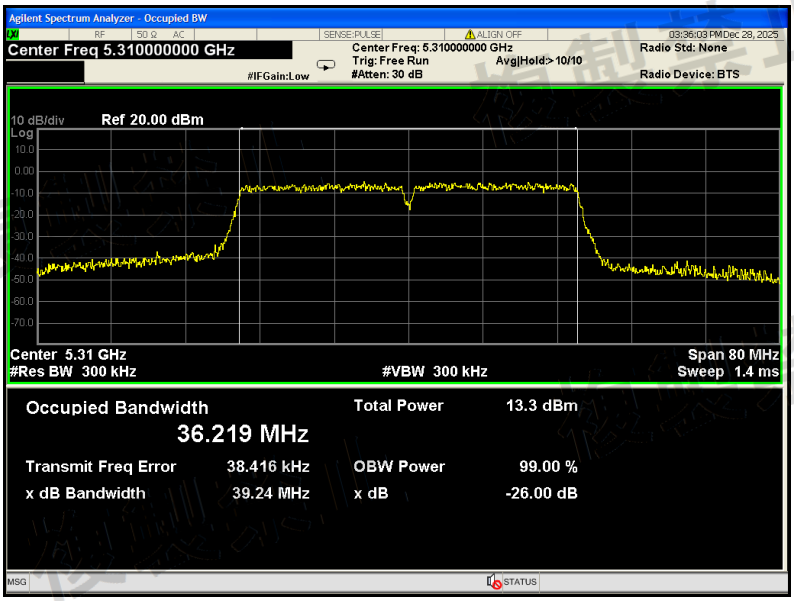
W53 802.11ax-HE20 High channel



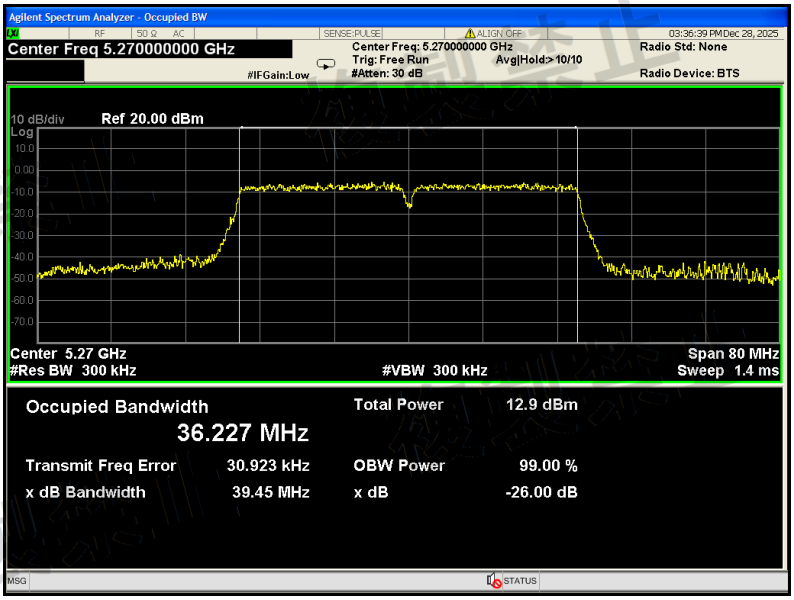
W53 802.11n-HT40 Low channel



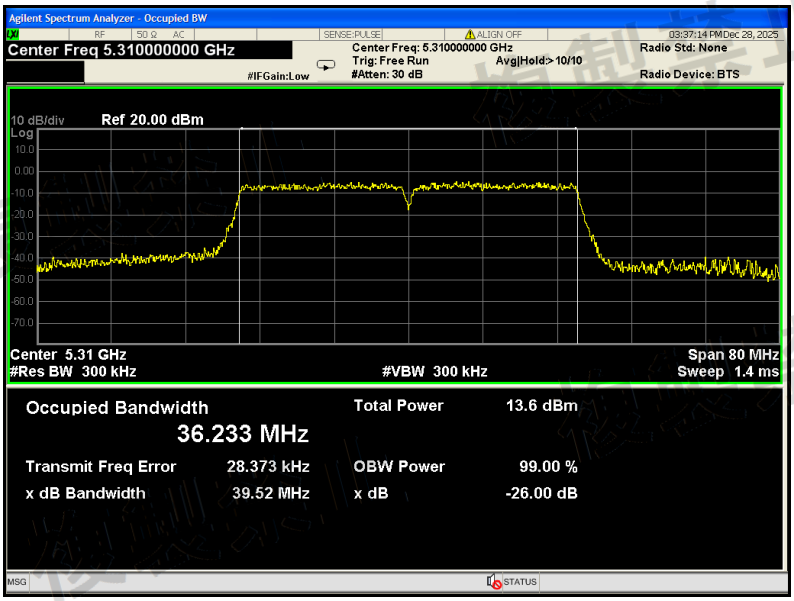
W53 802.11n-HT40 High channel



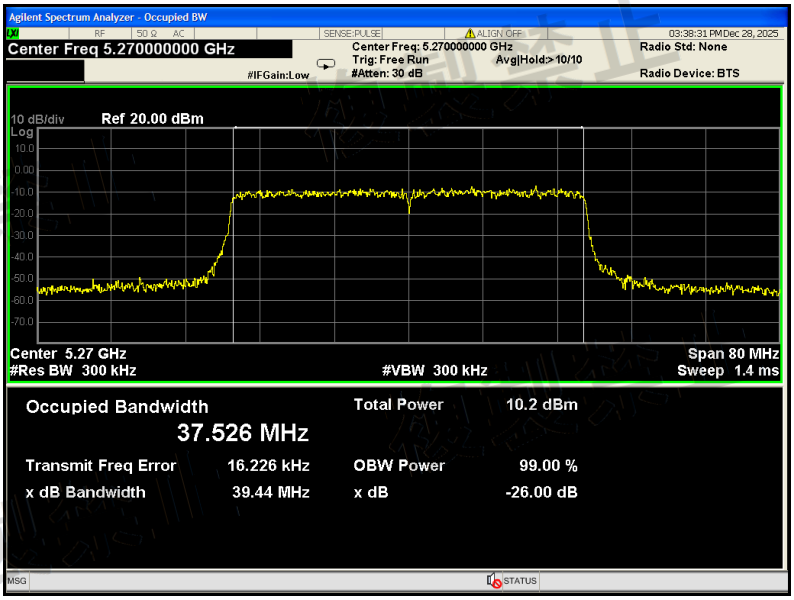
W53 802.11ac-VHT40 Low channel



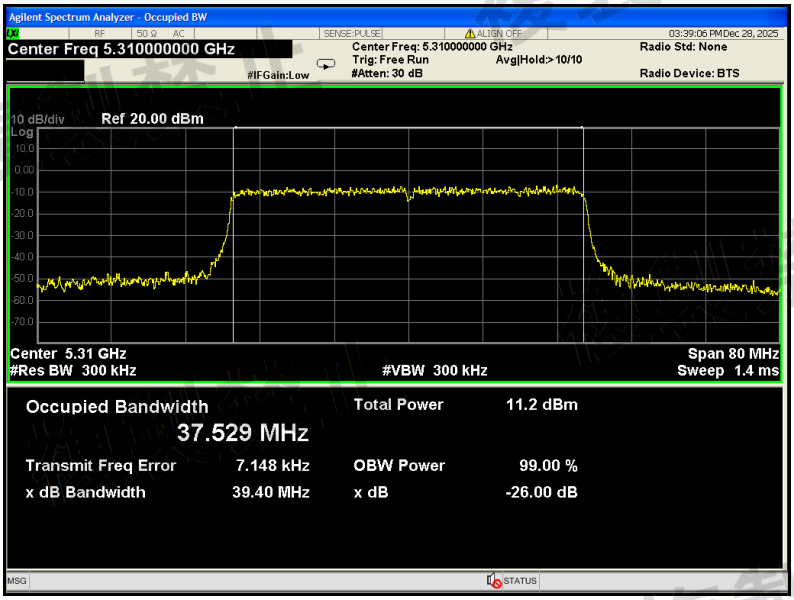
W53 802.11ac-VHT40 High channel



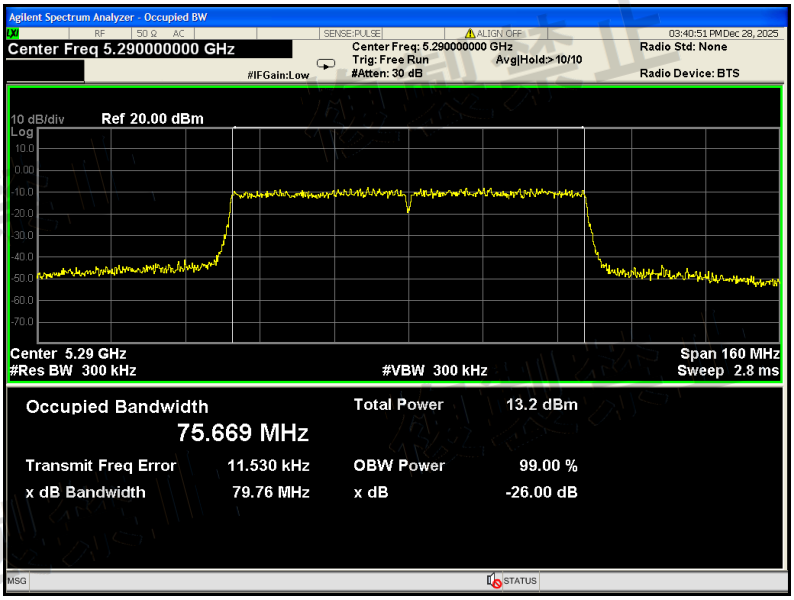
W53 802.11ax-HE40 Low channel



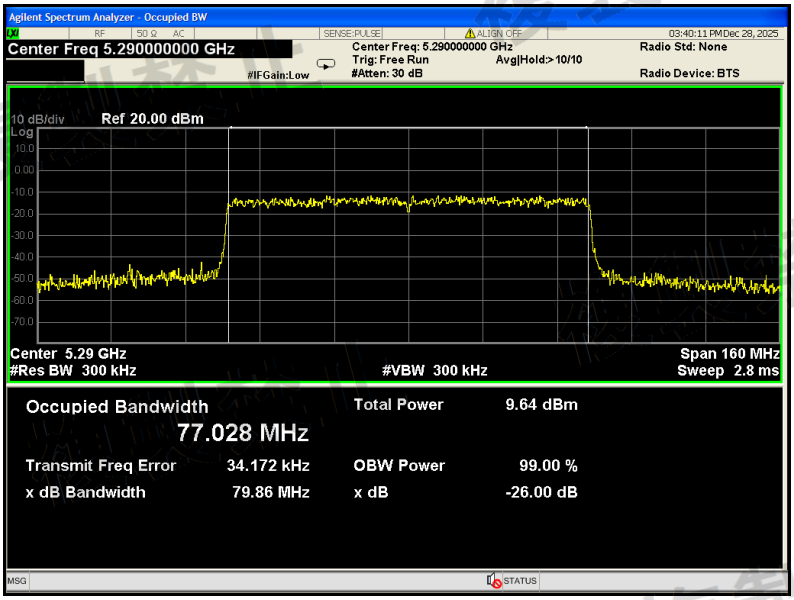
W53 802.11ax-HE40 Middle channel



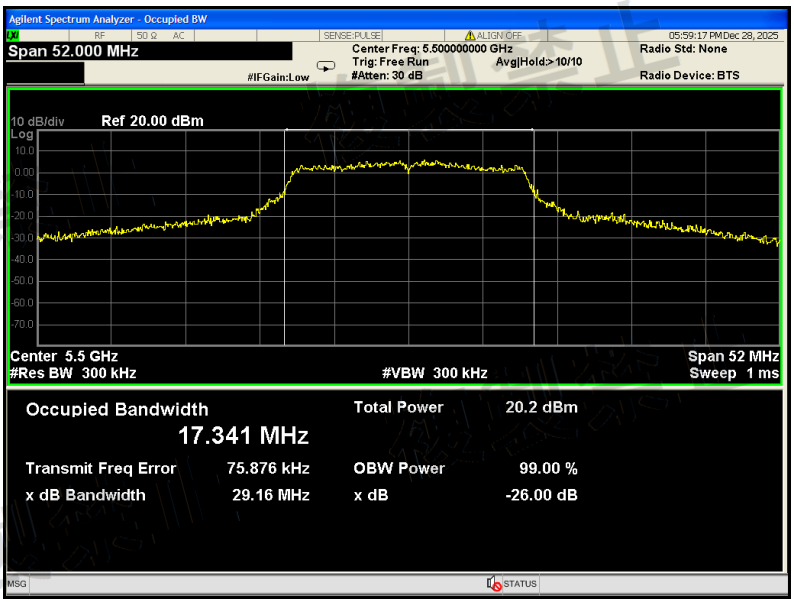
W53 802.11ac-VHT80 Low channel



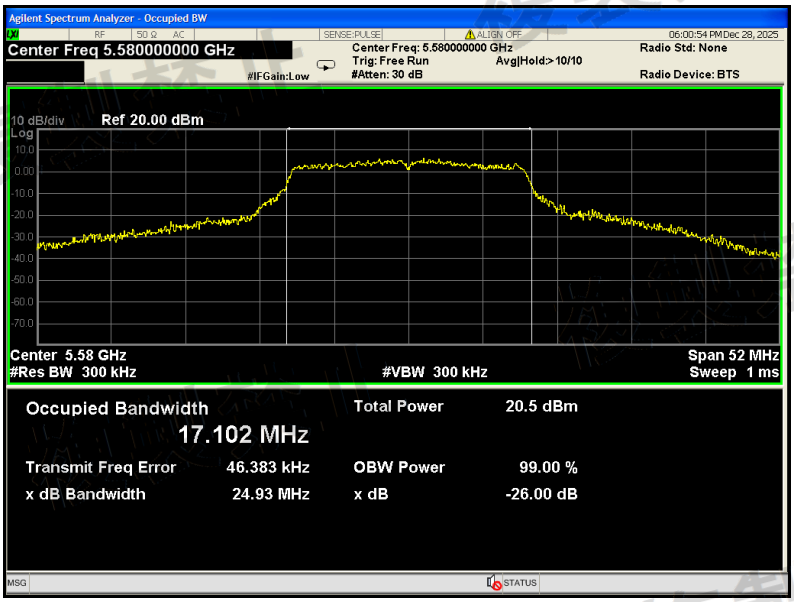
W53 802.11ax-HE80 Low channel



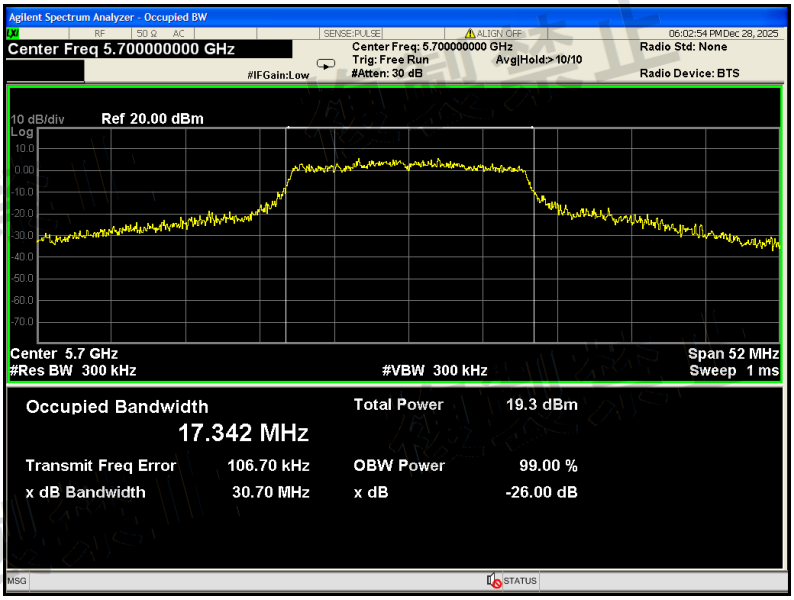
W56 802.11a Low channel



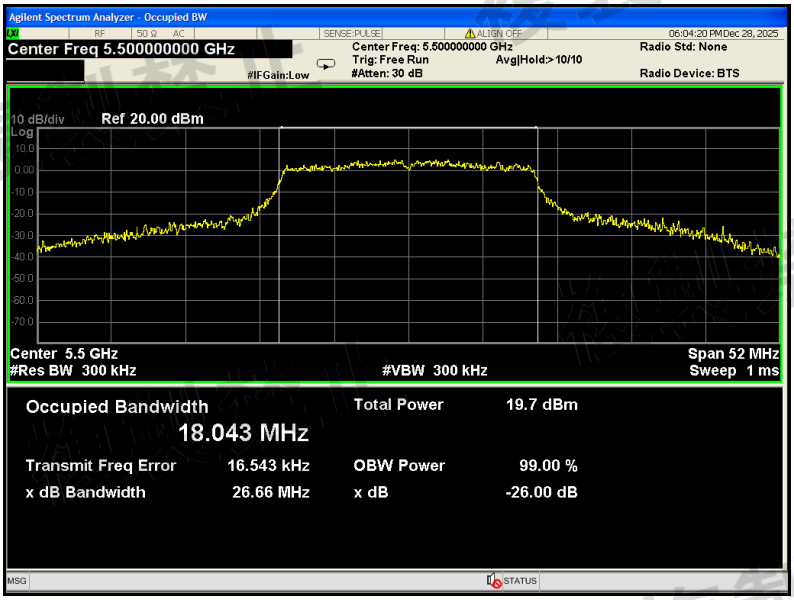
W56 802.11a Middle channel



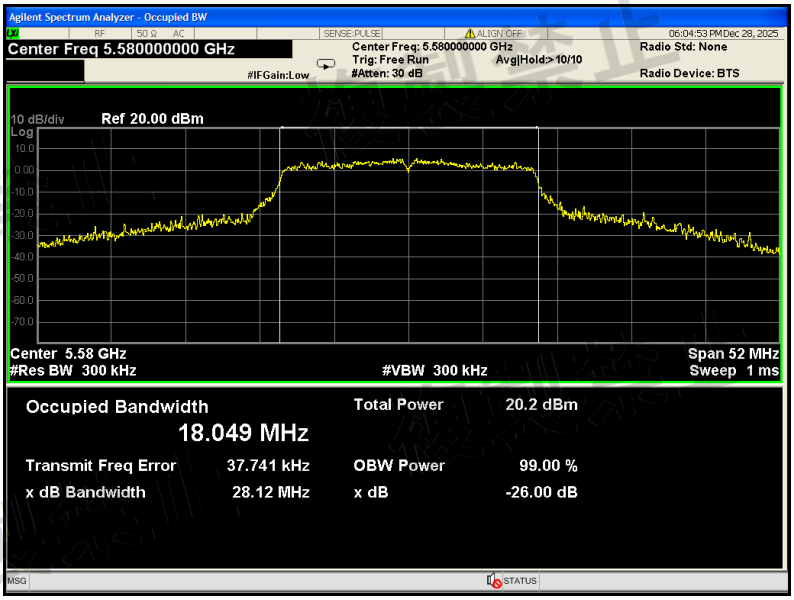
W56 802.11a High channel



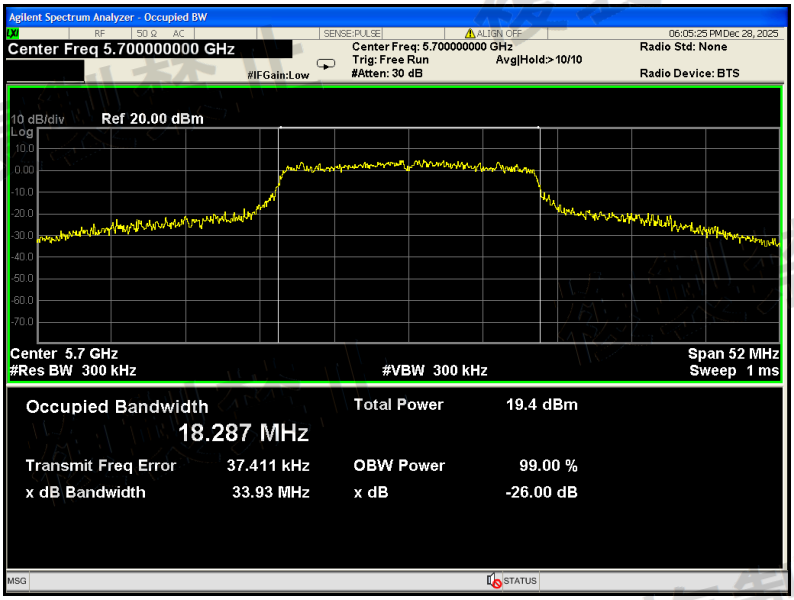
W56 802.11n-HT20 Low channel



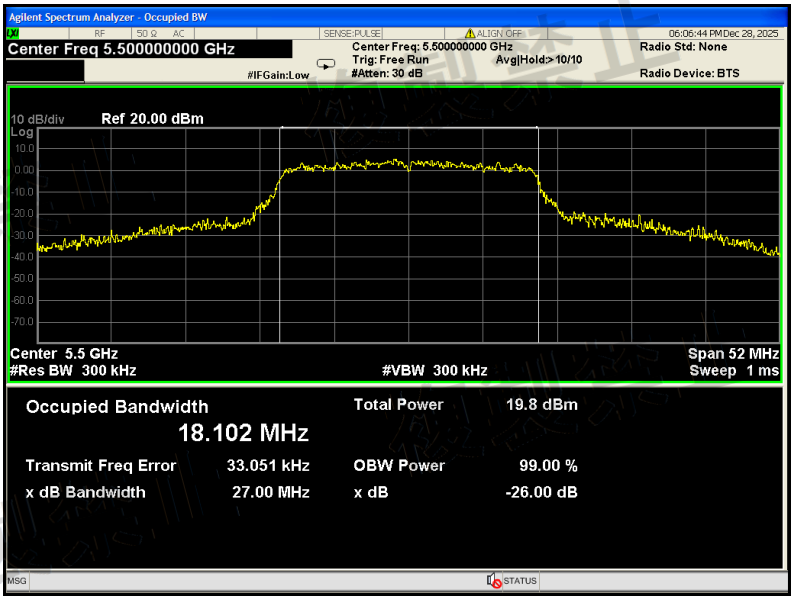
W56 802.11n-HT20 Middle channel



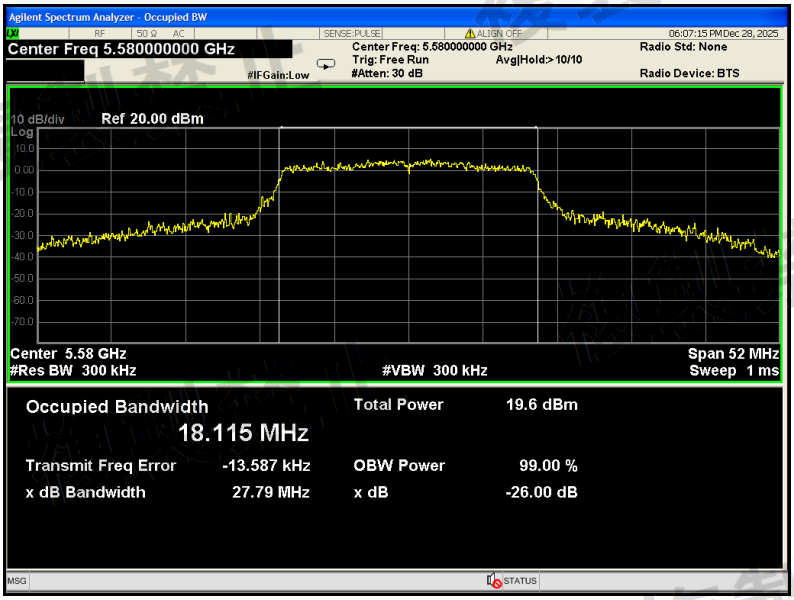
W56 802.11n-HT20 High channel



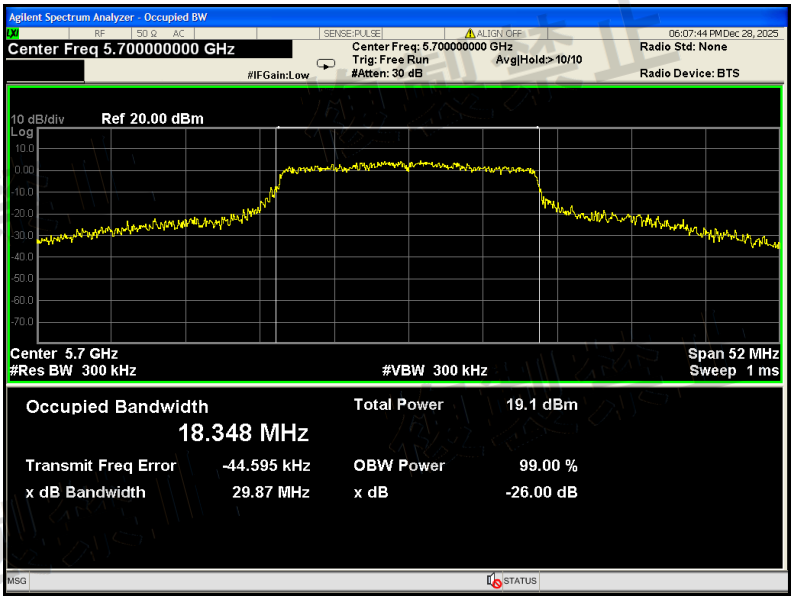
W56 802.11ac-VHT20 Low channel



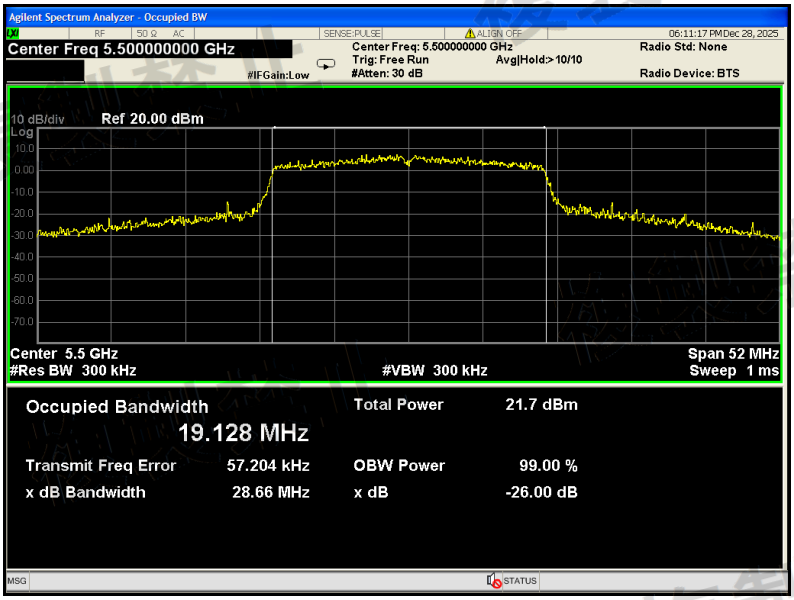
W56 802.11ac-VHT20 Middle channel



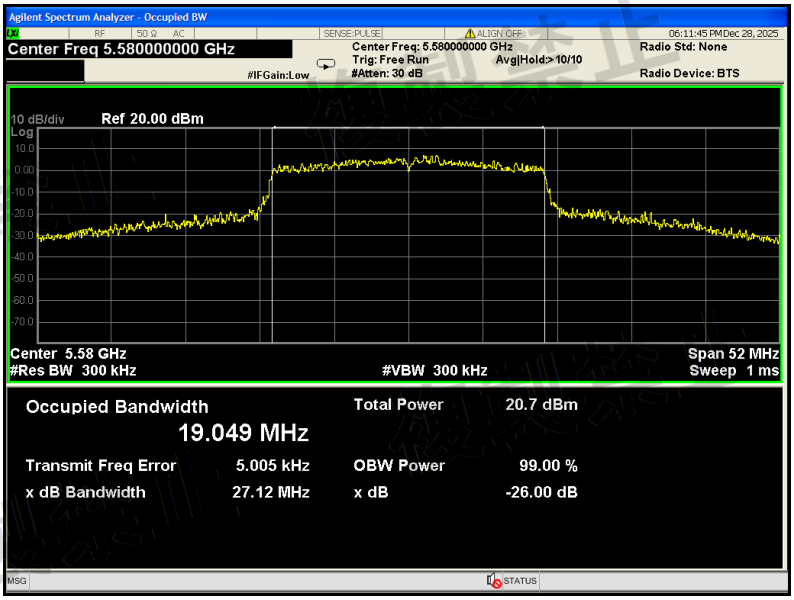
W56 802.11ac-VHT20 High channel



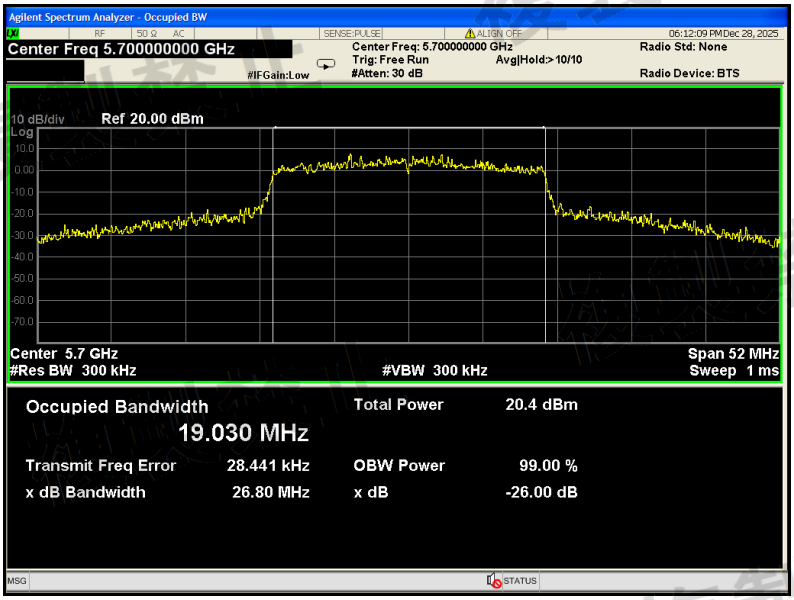
W56 802.11ax-HE20 Low channel



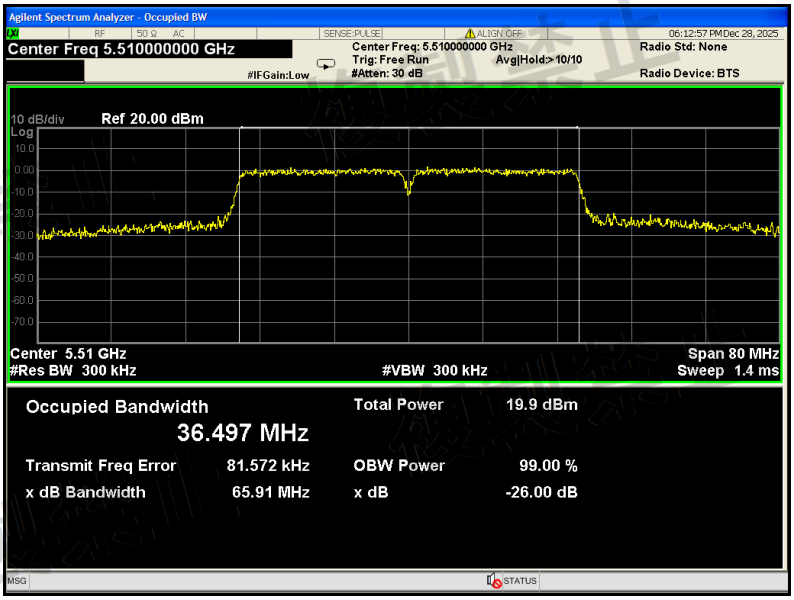
W56 802.11ax-HE20 Middle channel



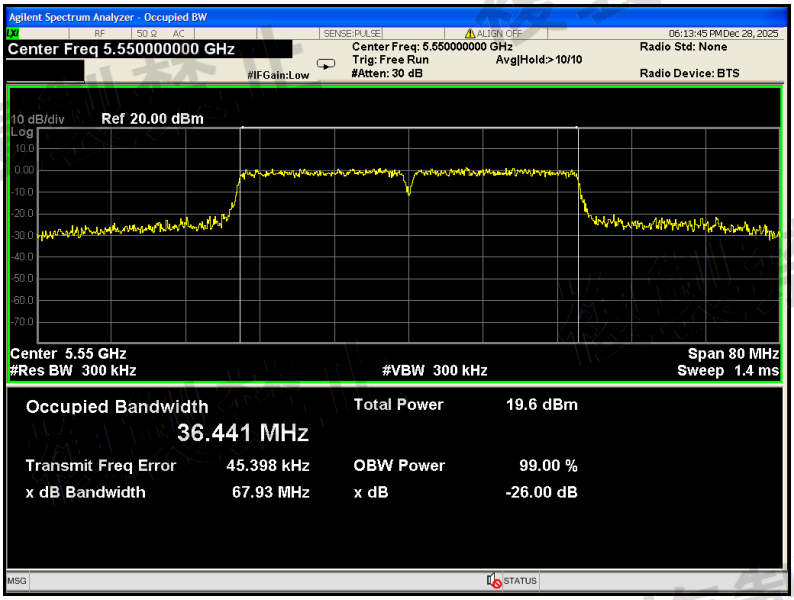
W56 802.11ax-HE20 High channel



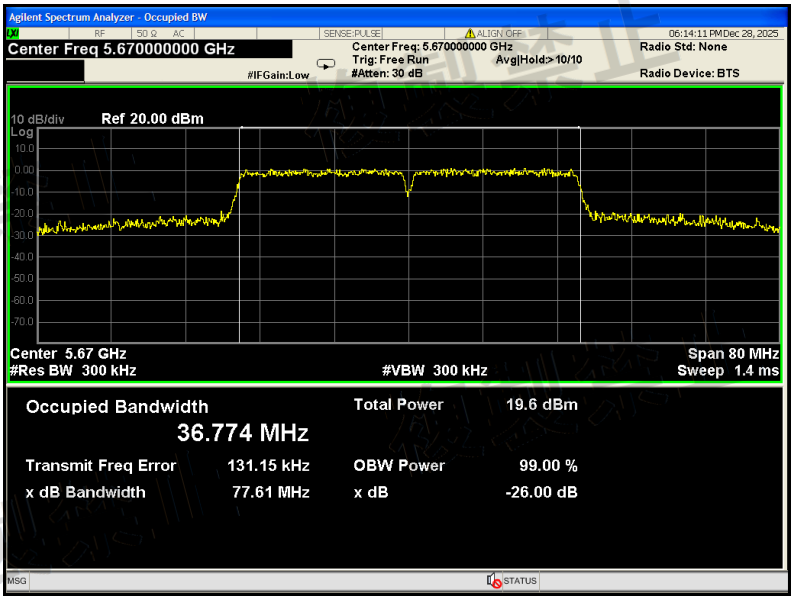
W56 802.11n-HT40 Low channel



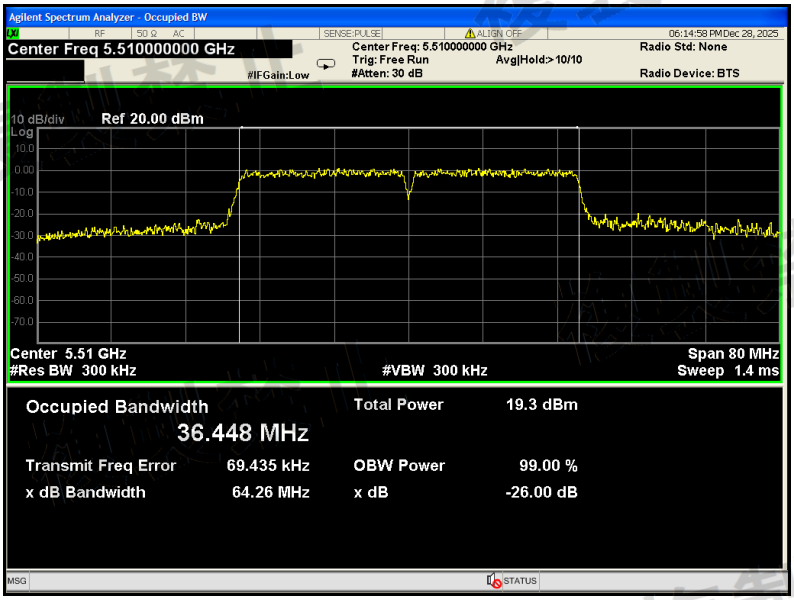
W56 802.11n-HT40 Middle channel



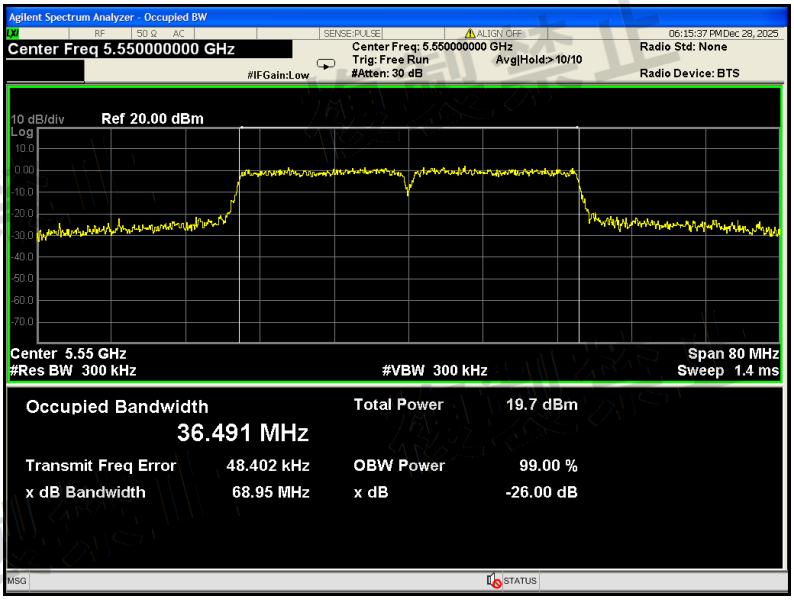
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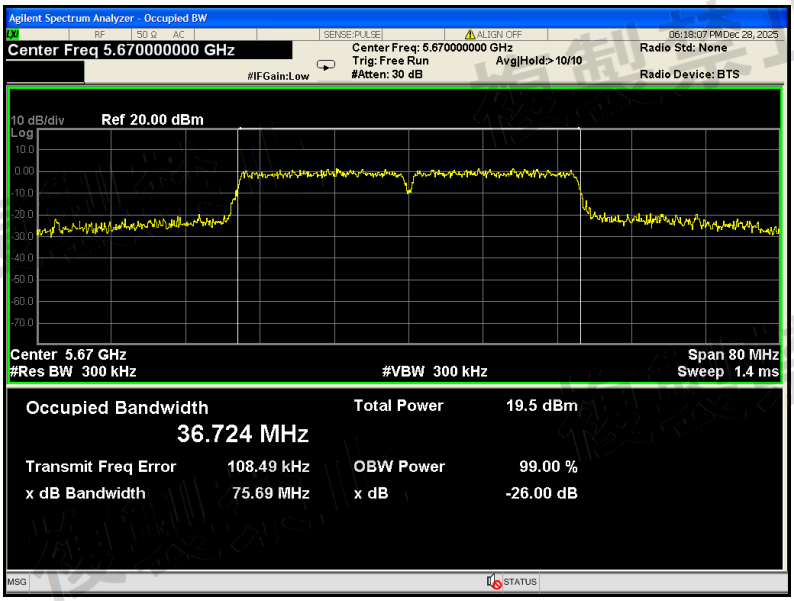
W56 802.11ac-VHT40 Low channel



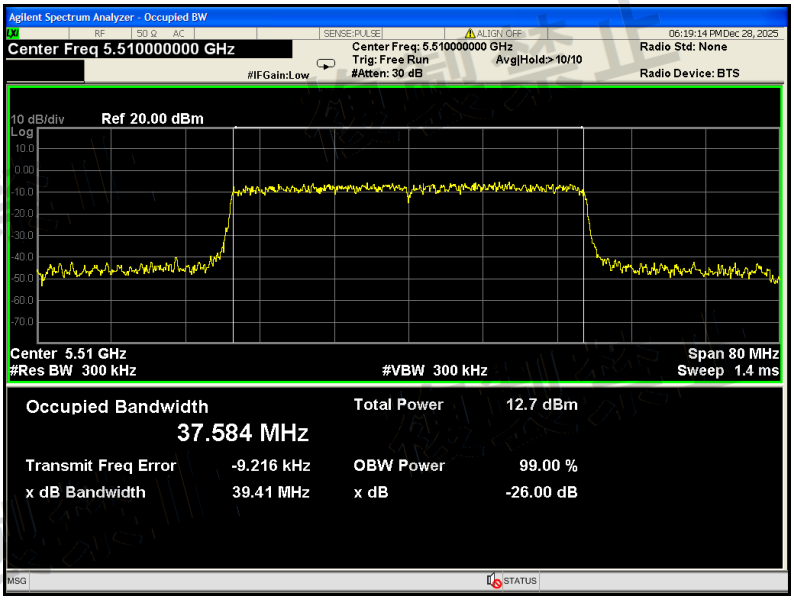
W56 802.11ac-VHT40 Middle channel



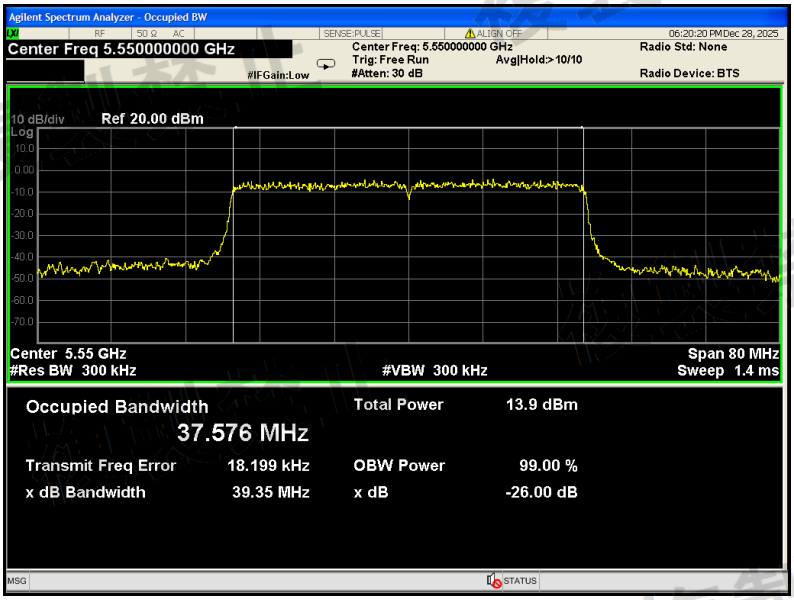
W56 802.11ac-VHT40 High channel



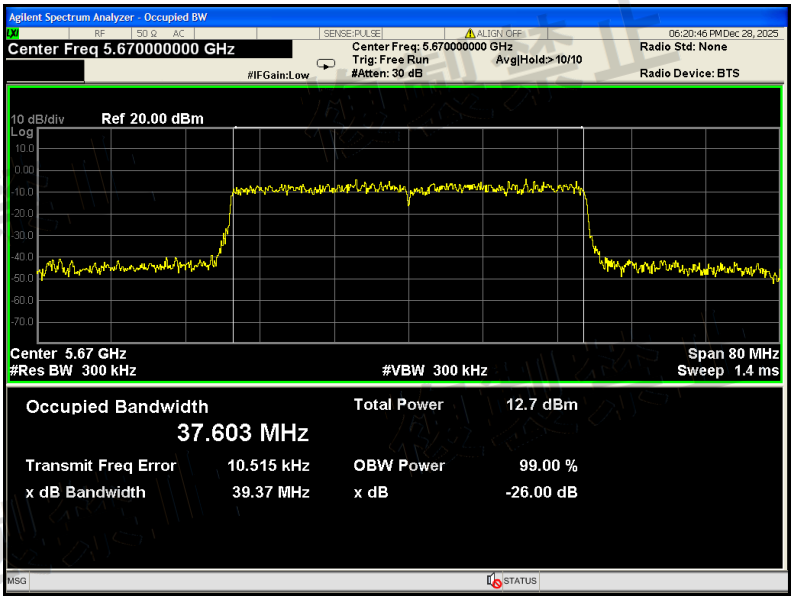
W56 802.11ax-HE40 Low channel



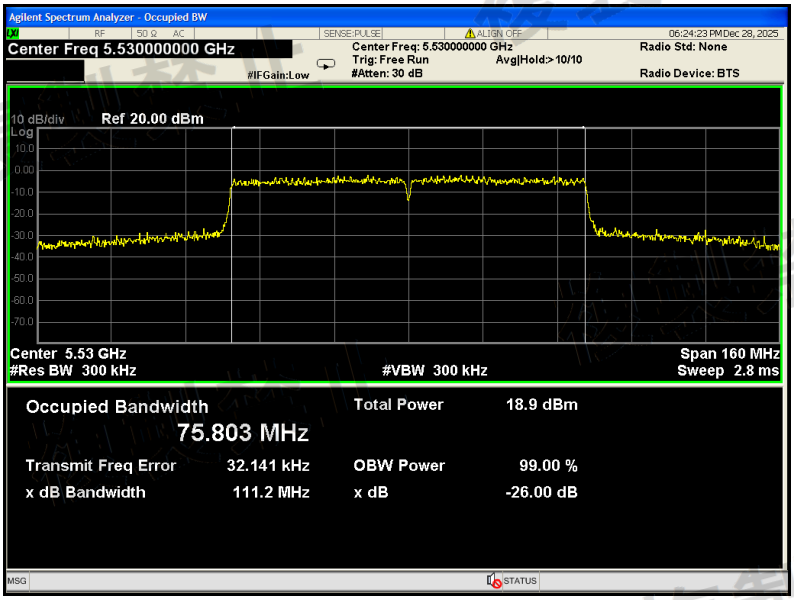
W56 802.11ax-HE40 Middle channel



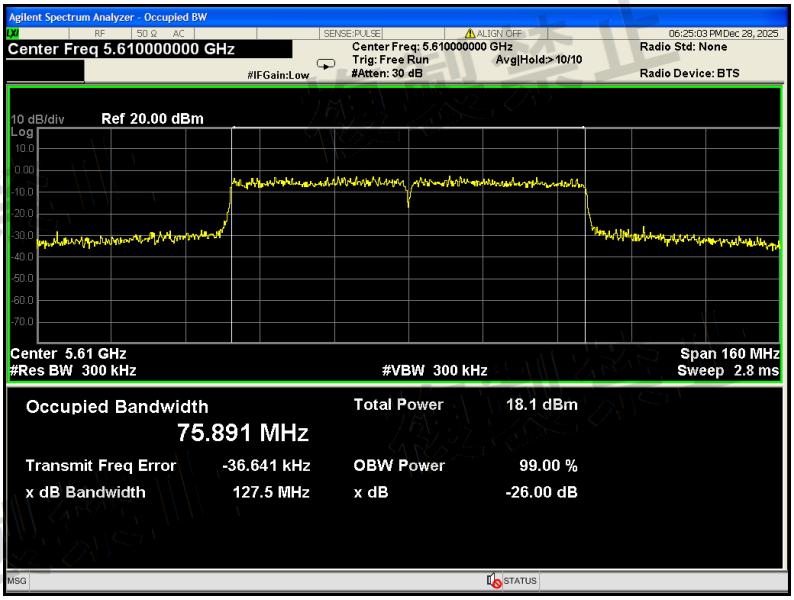
W56 802.11ax-HE40 High channel



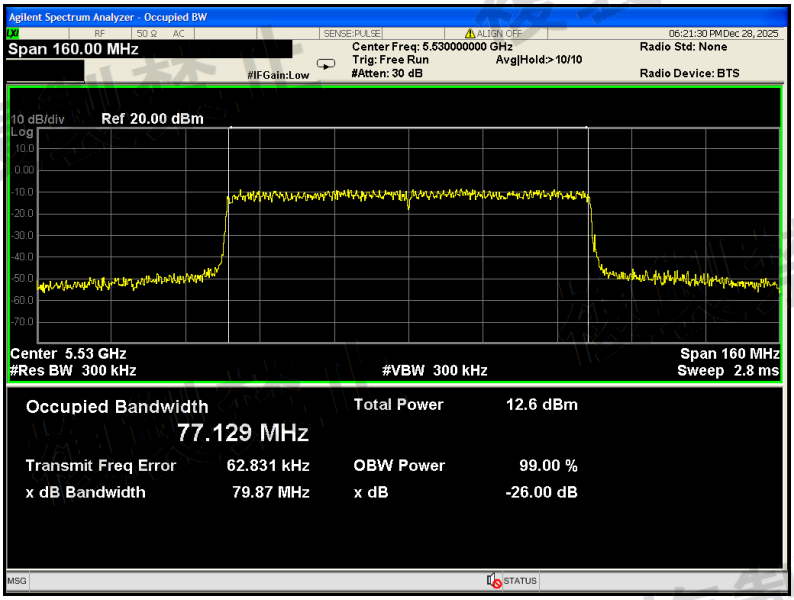
W56 802.11ac-VHT80 Low channel



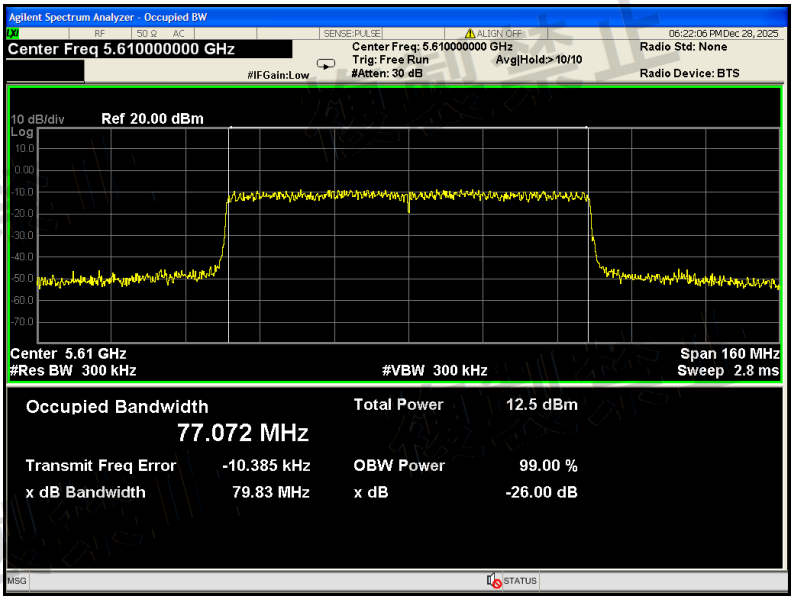
W56 802.11ac-VHT80 High channel



W56 802.11ax-HE80 Low channel

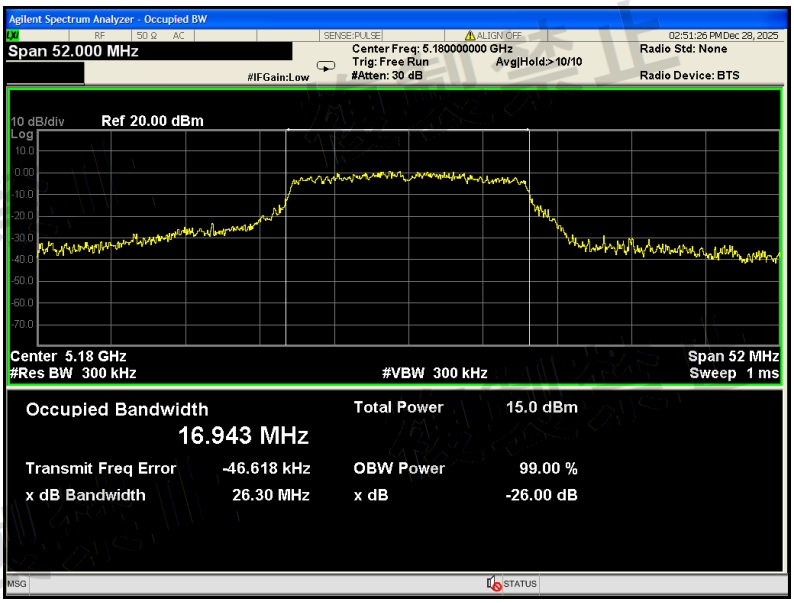


W56 802.11ax-HE80 High channel

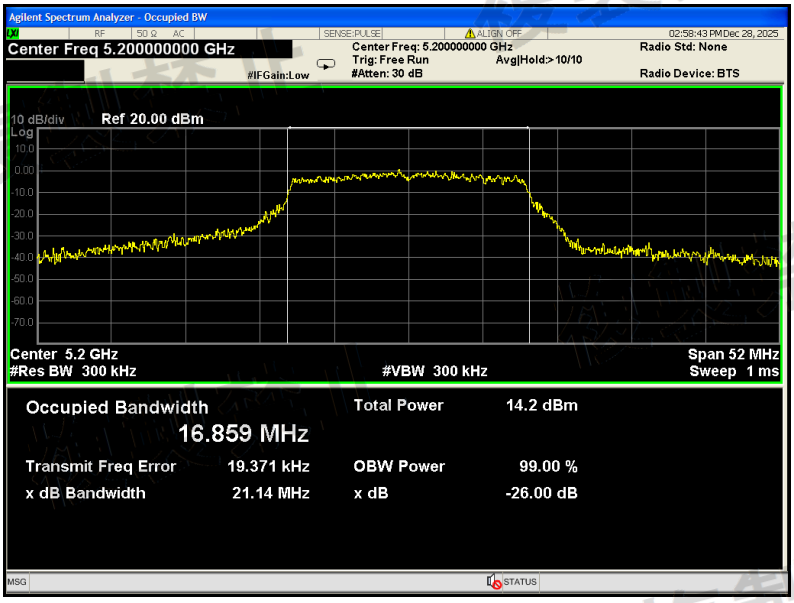


ANT 2:

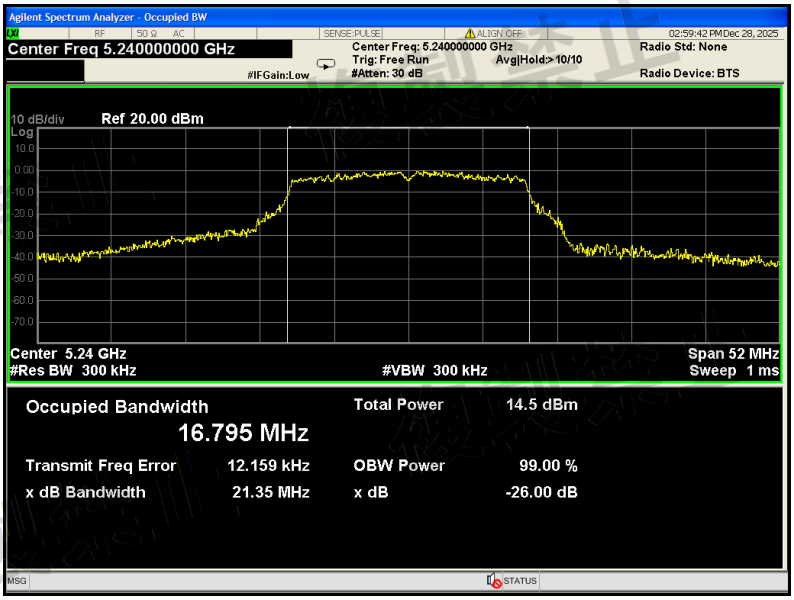
W52 802.11a Low channel



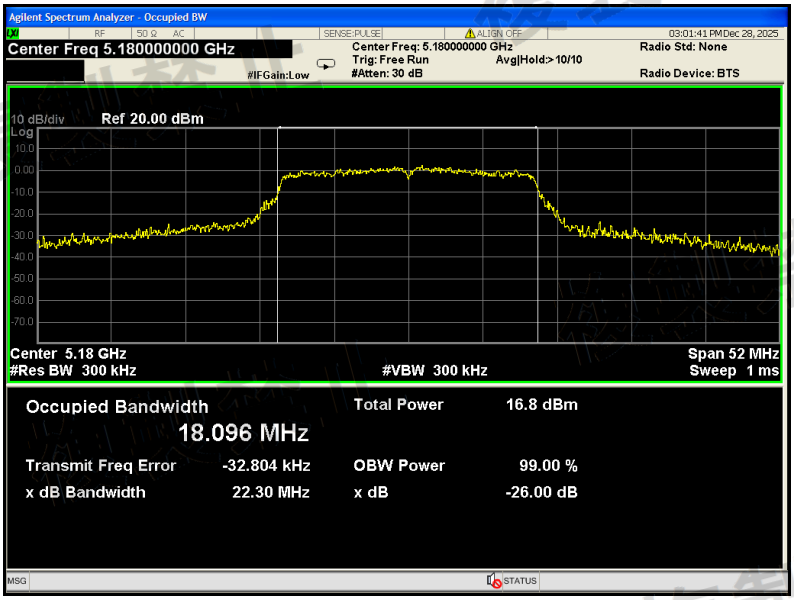
W52 802.11a Middle channel



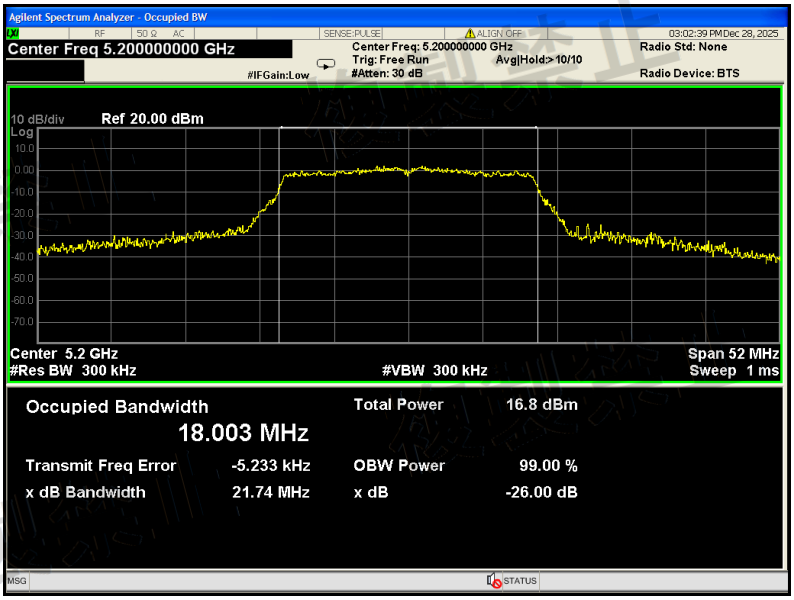
W52 802.11a High channel



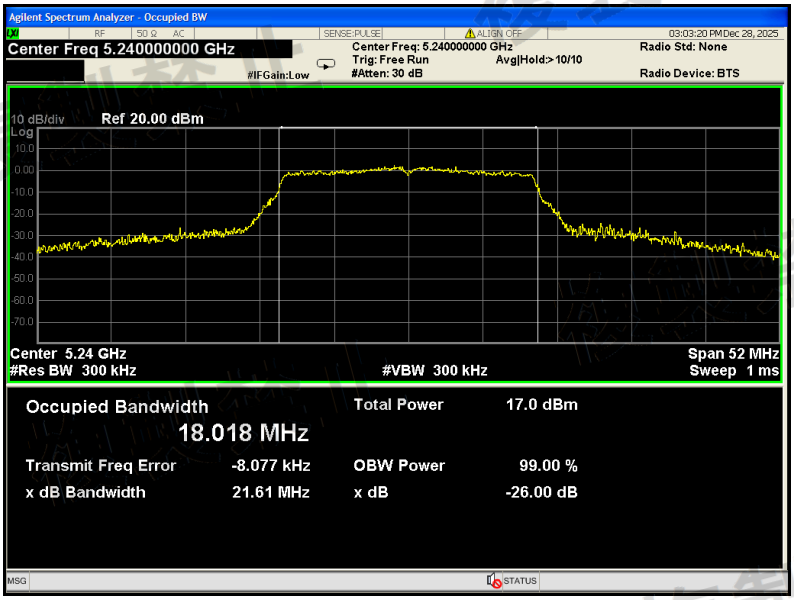
W52 802.11n-HT20 Low channel



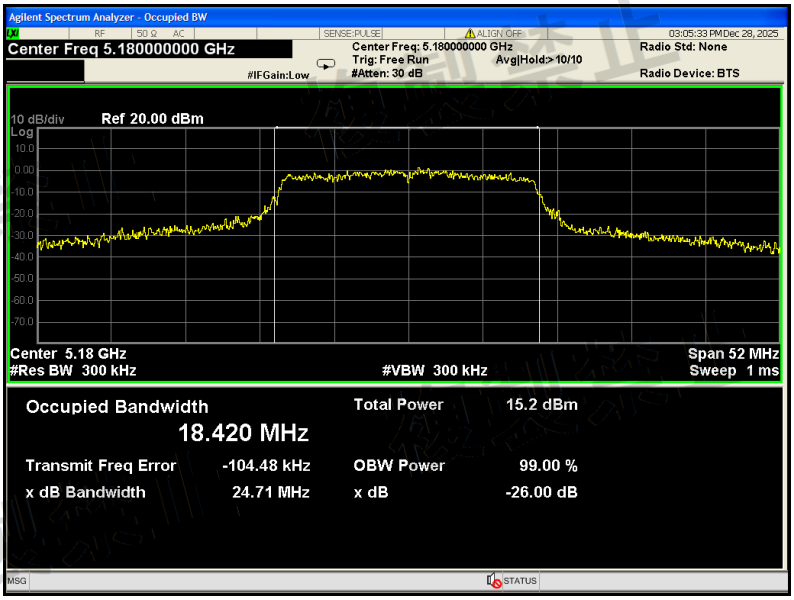
W52 802.11n-HT20 Middle channel



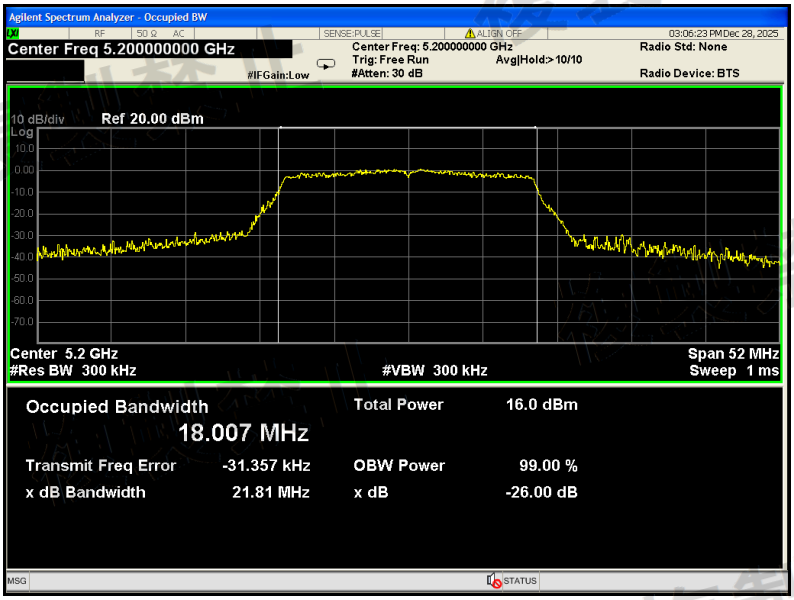
W52 802.11n-HT20 High channel



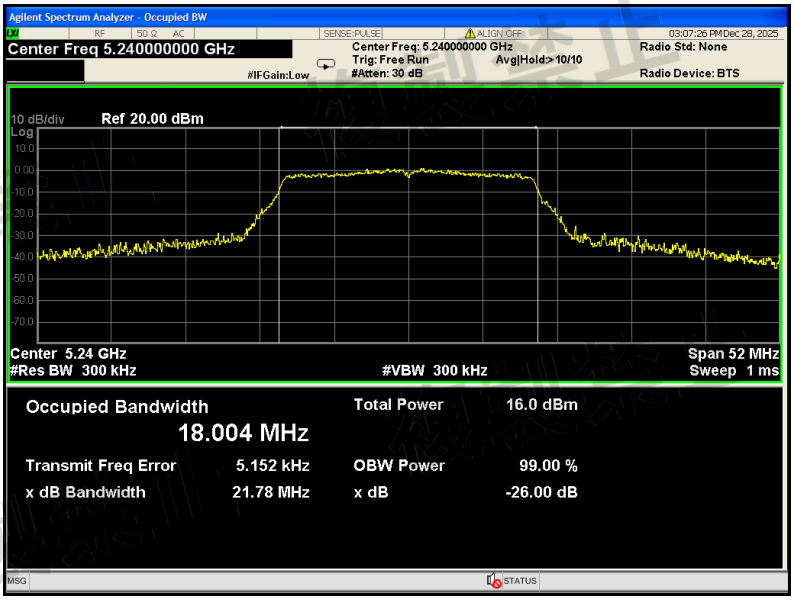
W52 802.11ac-VHT20 Low channel



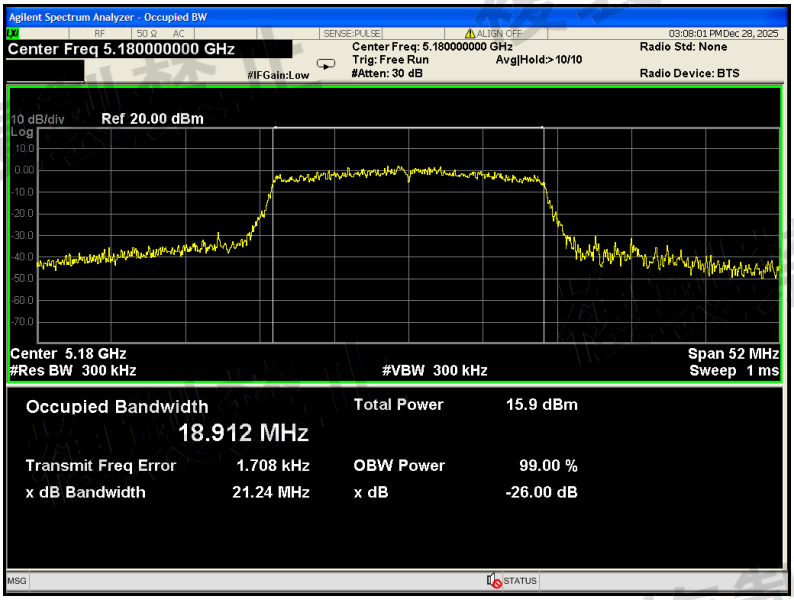
W52 802.11ac-VHT20 Middle channel



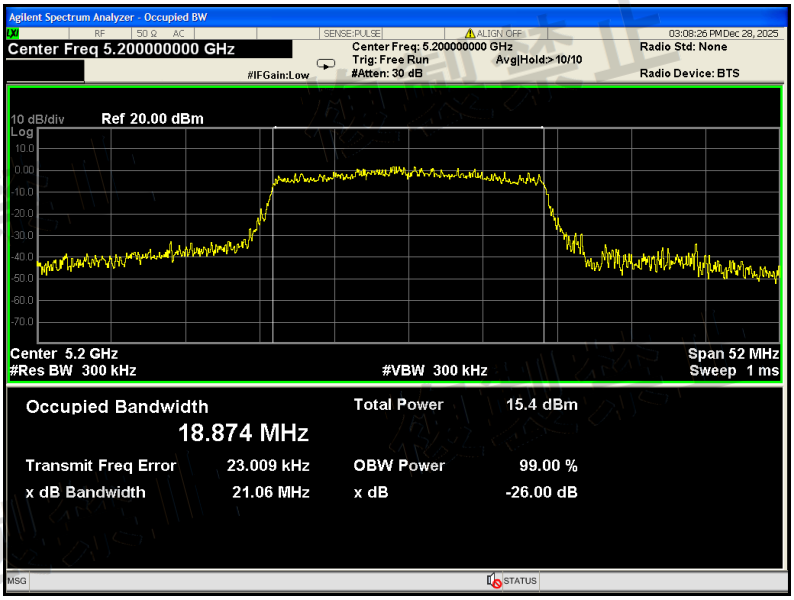
W52 802.11ac-VHT20 High channel



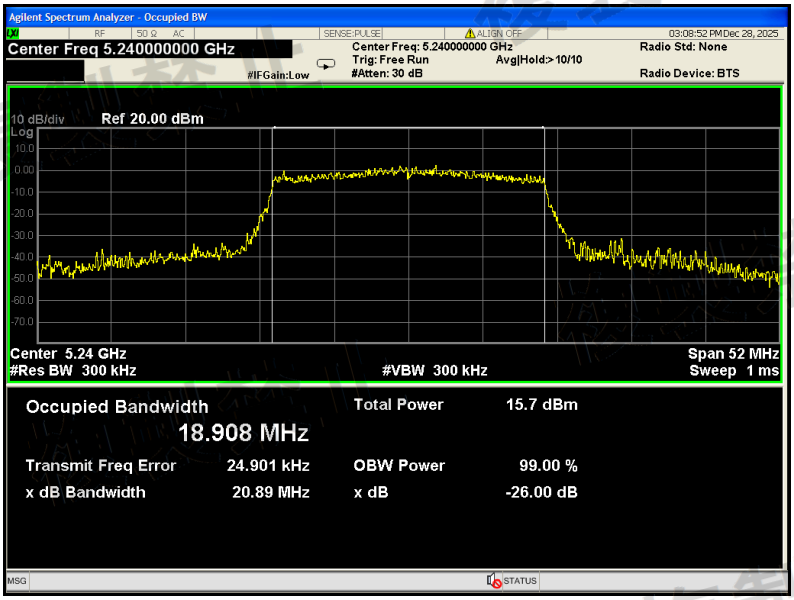
W52 802.11ax-HE20 Low channel



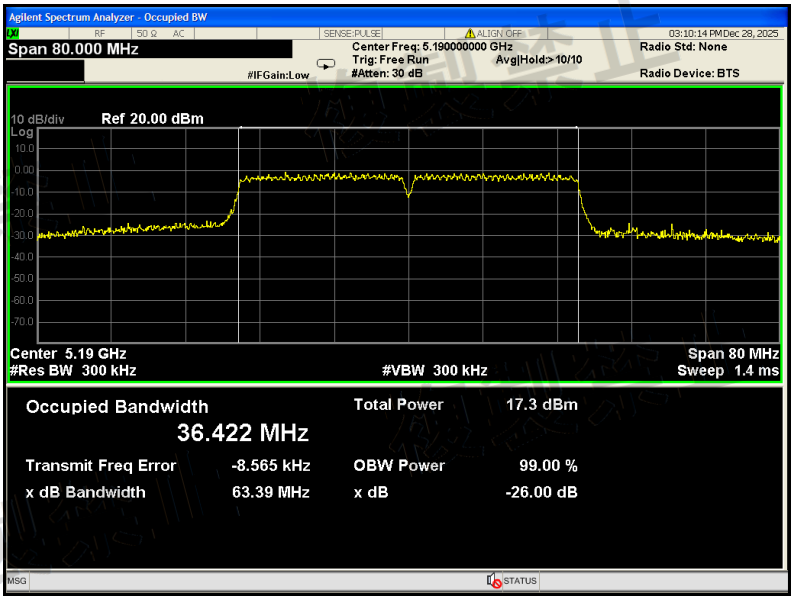
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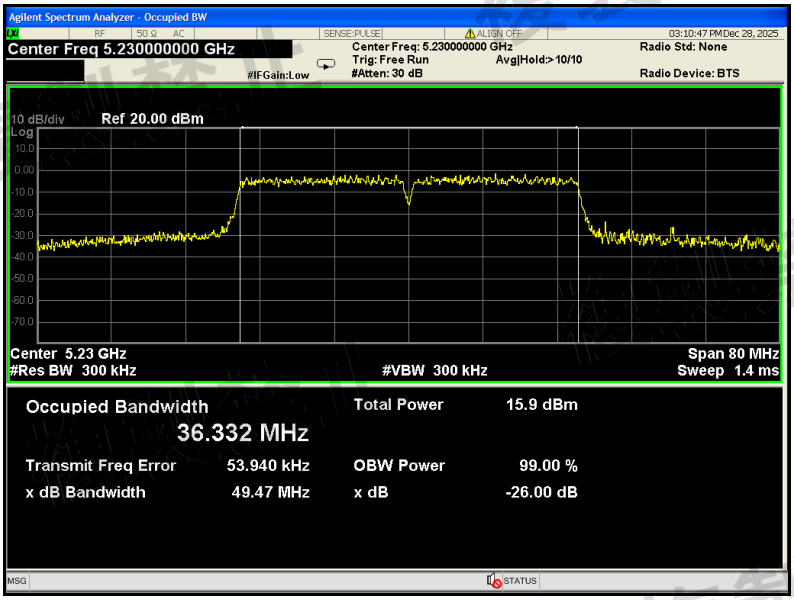
W52 802.11ax-HE20 High channel



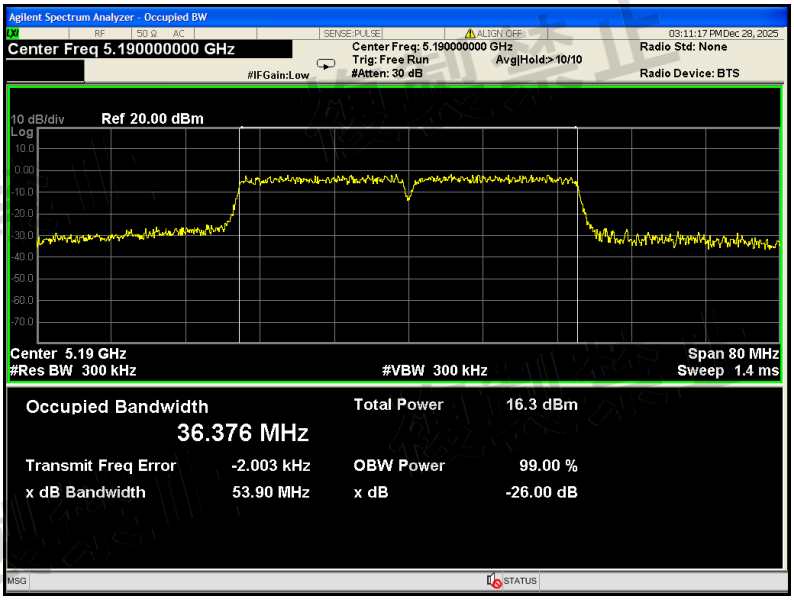
W52 802.11n-HT40 Low channel



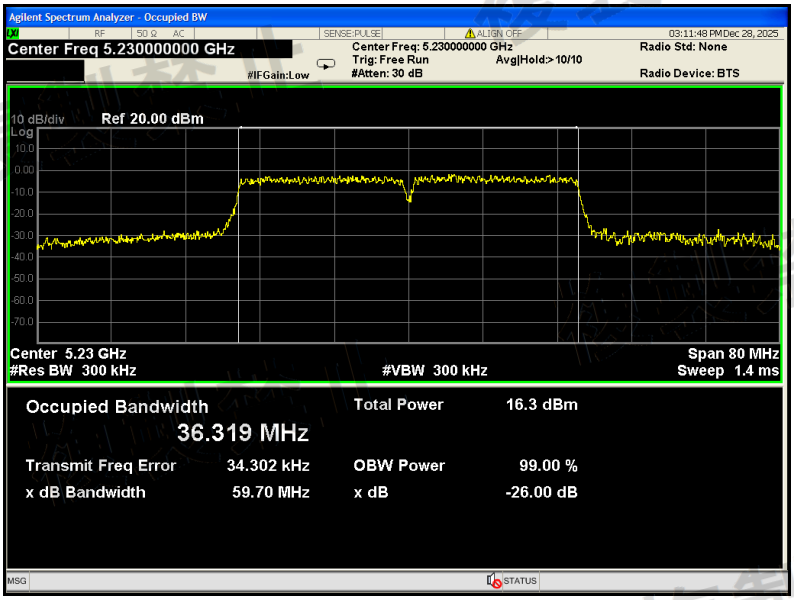
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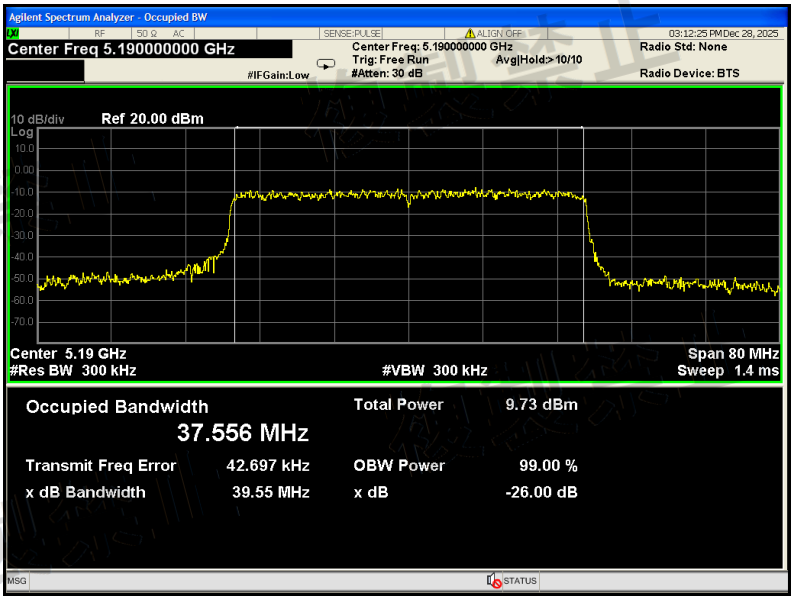
W52 802.11ac-VHT40 Low channel



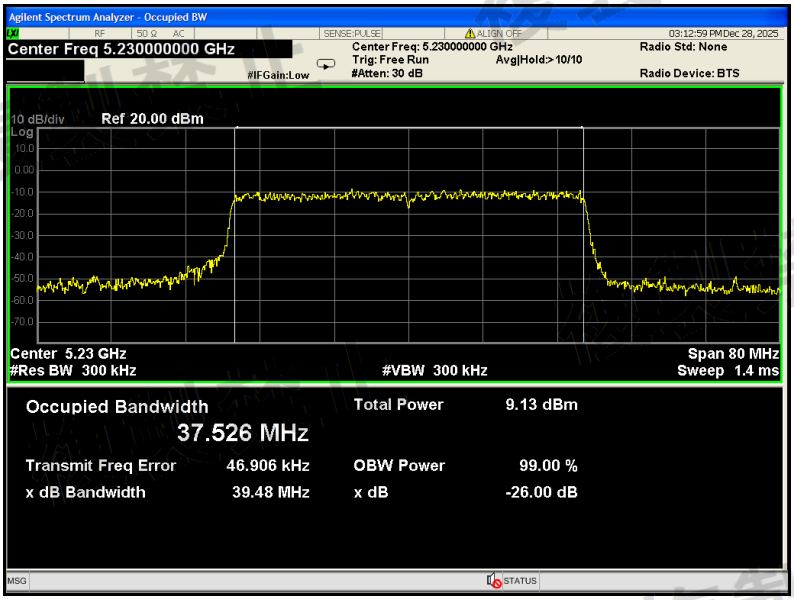
W52 802.11ac-VHT40 High channel



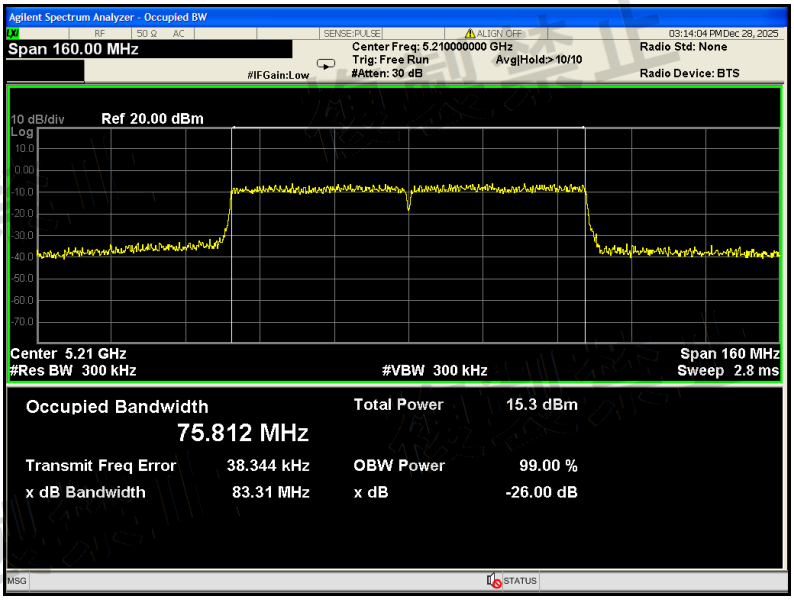
W52 802.11ax-HE40 Low channel



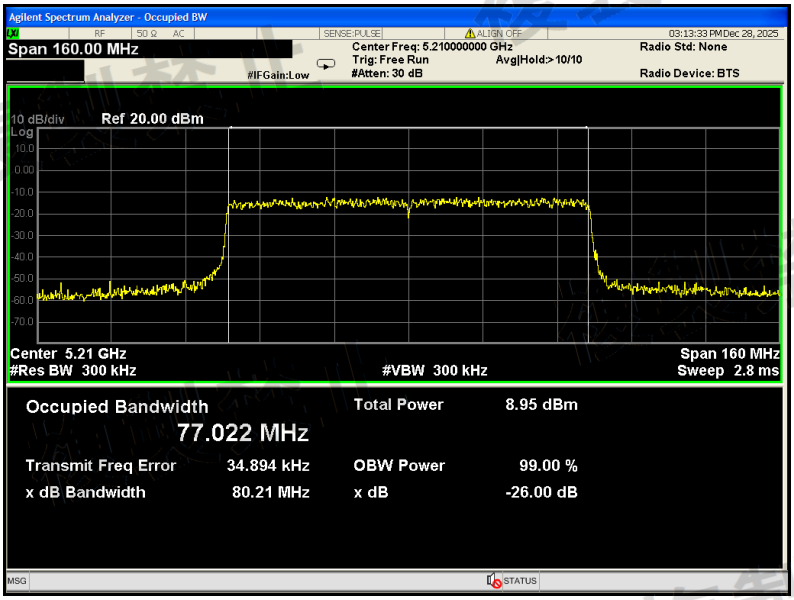
W52 802.11ax-HE40 High channel



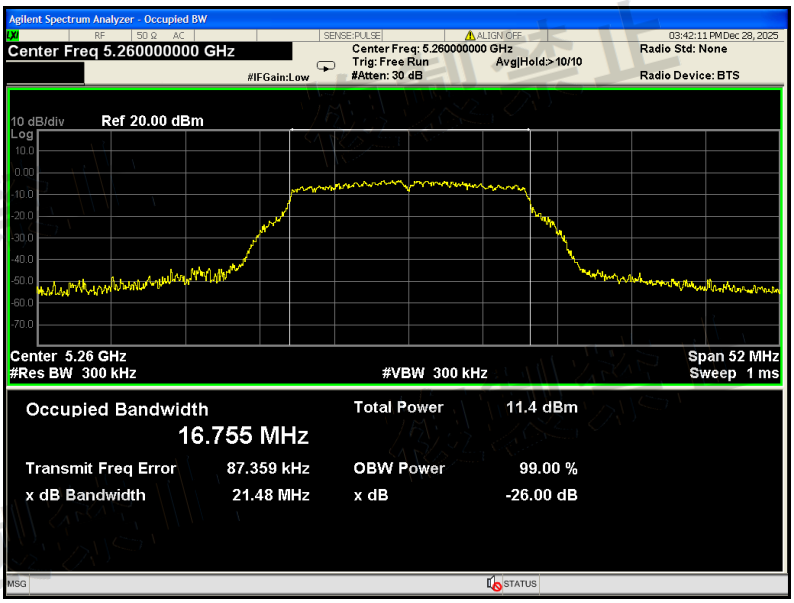
W52 802.11ac-VHT80 Low channel



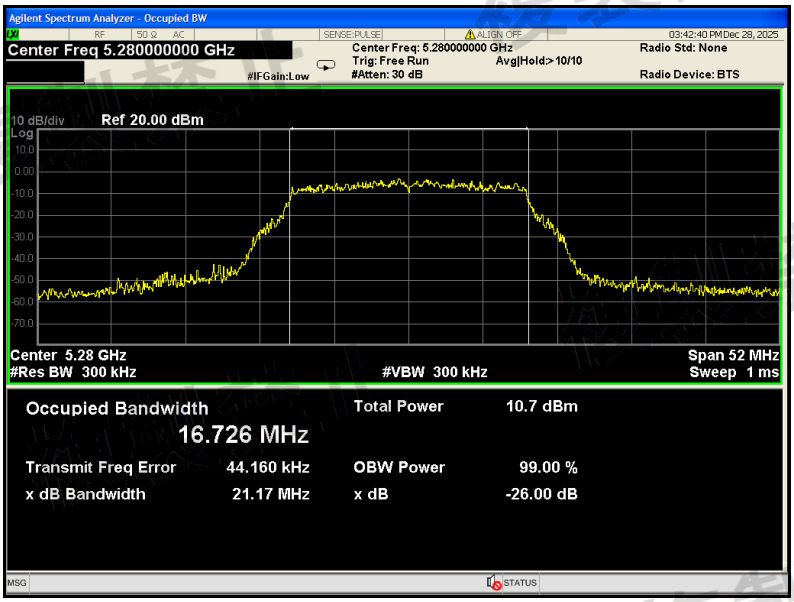
W52 802.11ax-HE80 Low channel



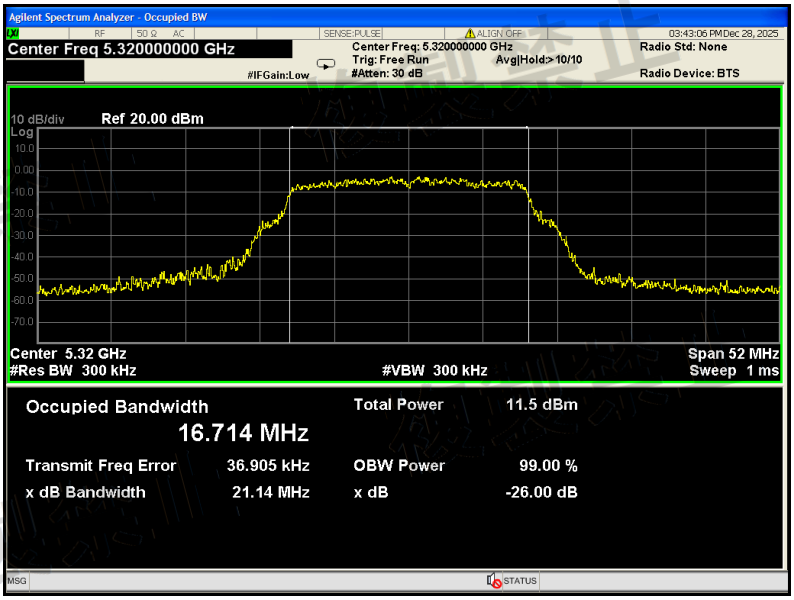
W53 802.11a Low channel



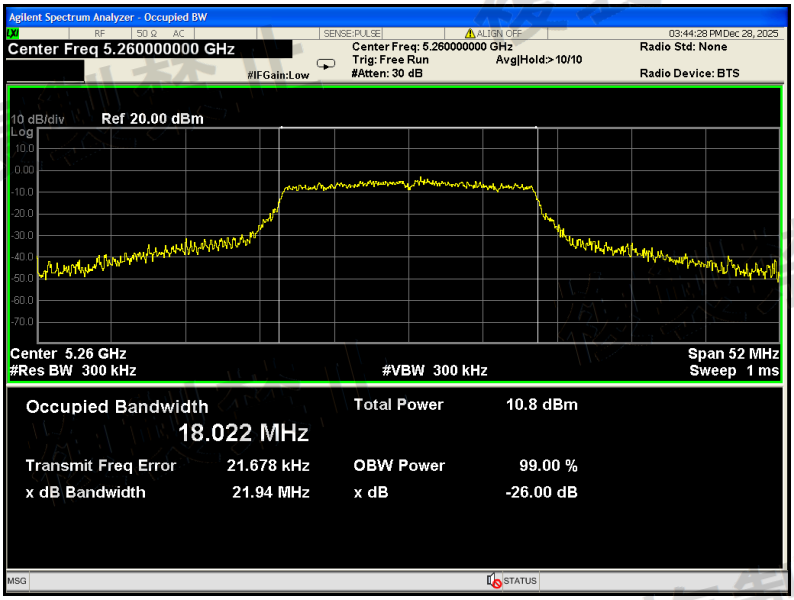
W53 802.11a Middle channel



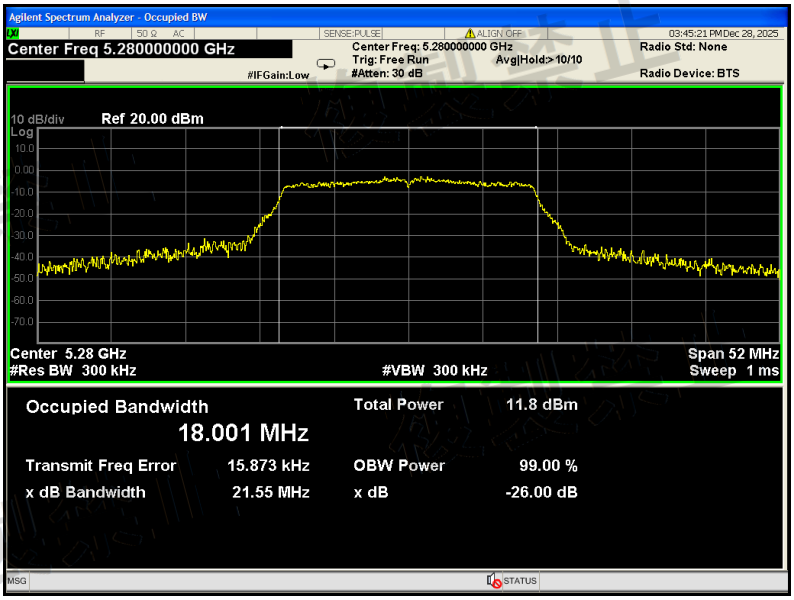
W53 802.11a High channel



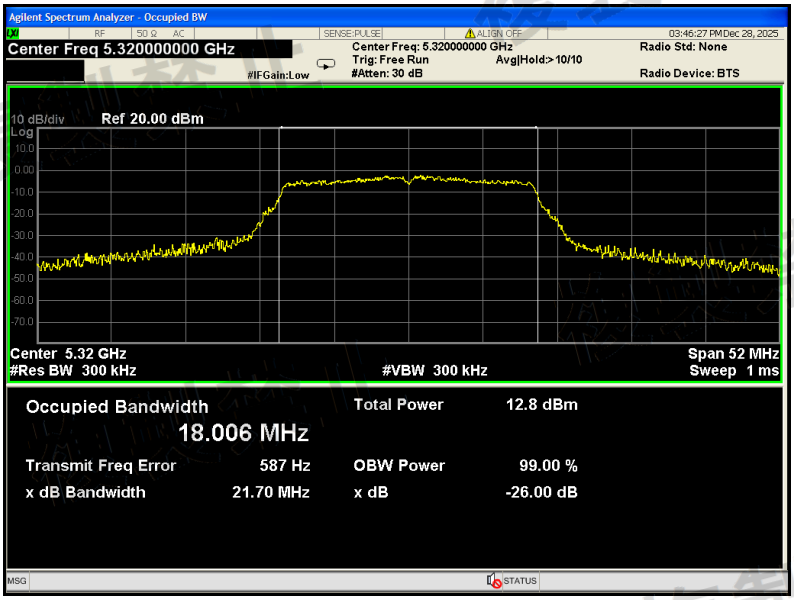
W53 802.11n-HT20 Low channel



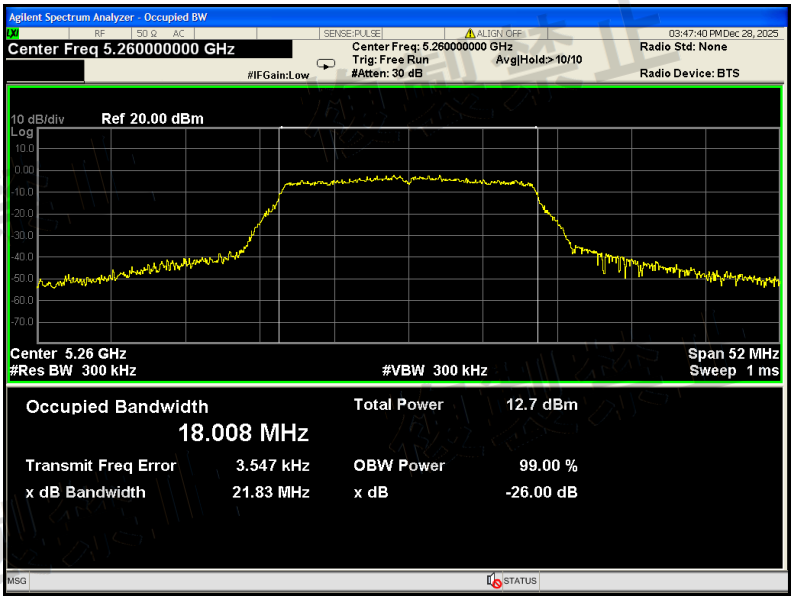
W53 802.11n-HT20 Middle channel



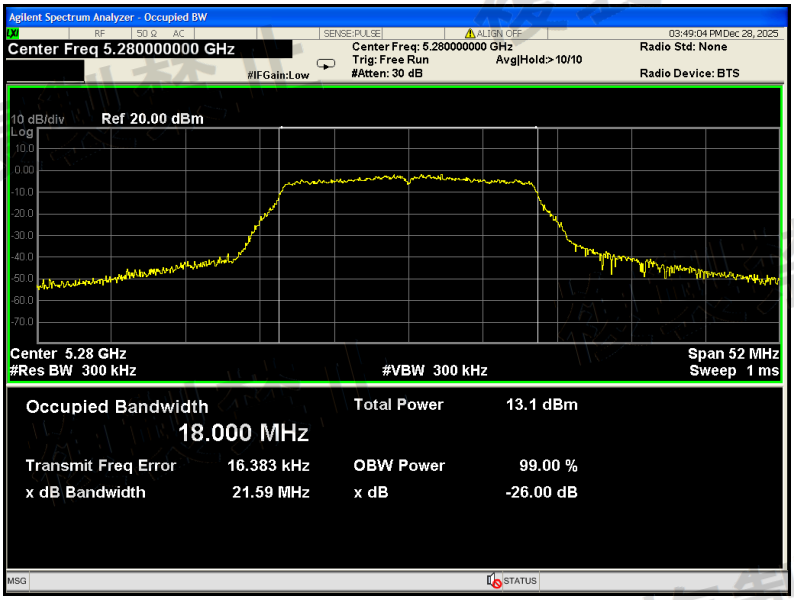
W53 802.11n-HT20 High channel



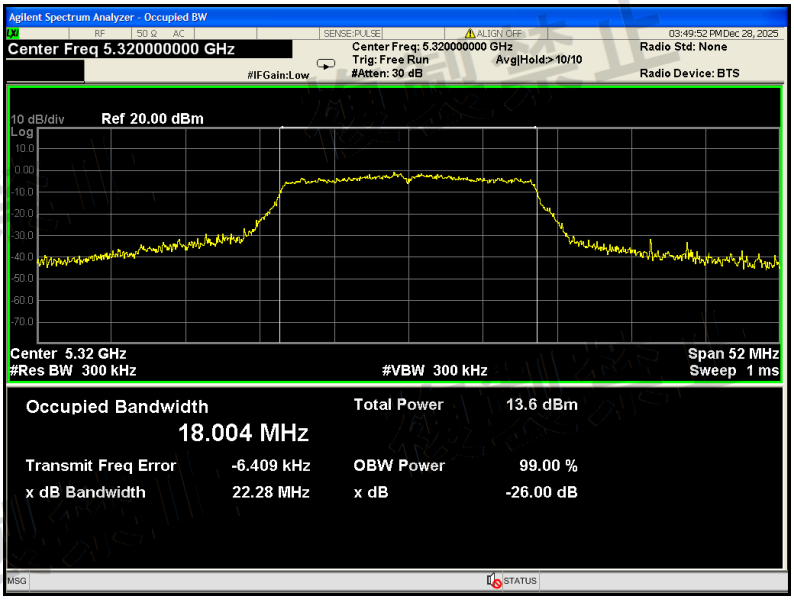
W53 802.11ac-VHT20 Low channel



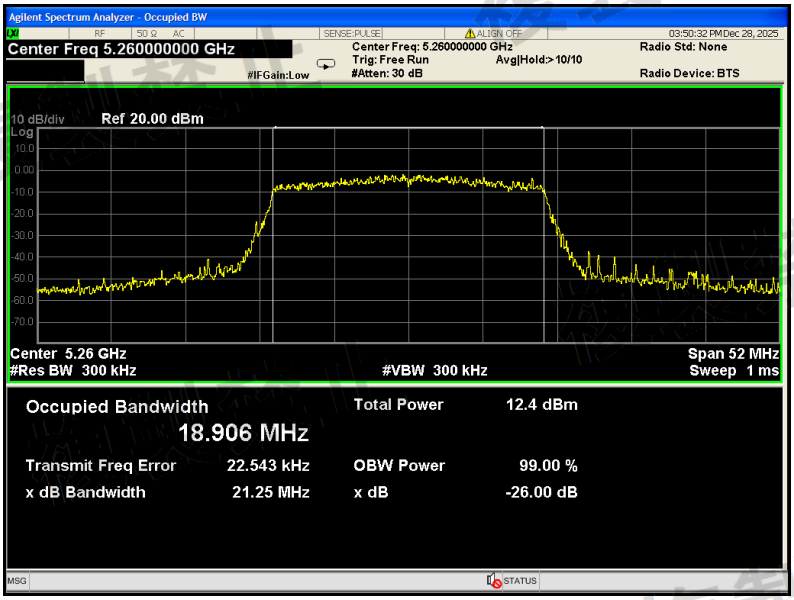
W53 802.11ac-VHT20 Middle channel



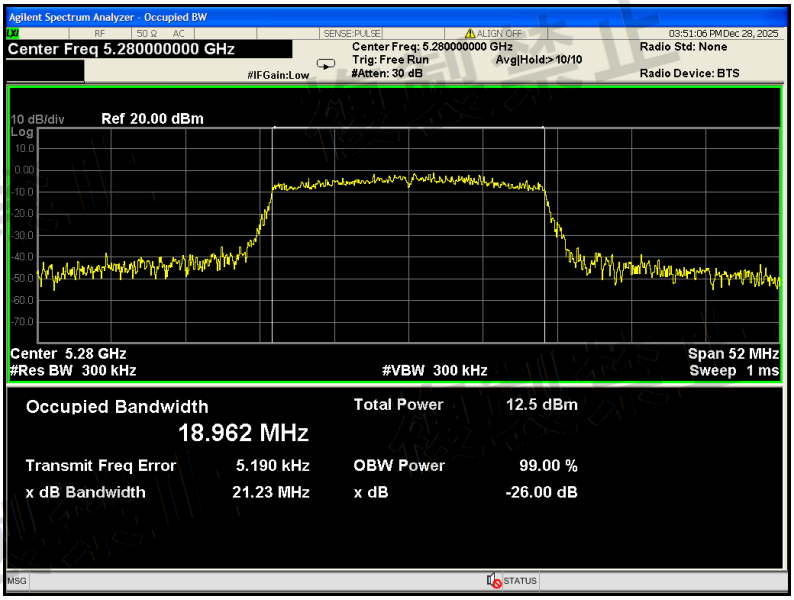
W53 802.11ac-VHT20 High channel



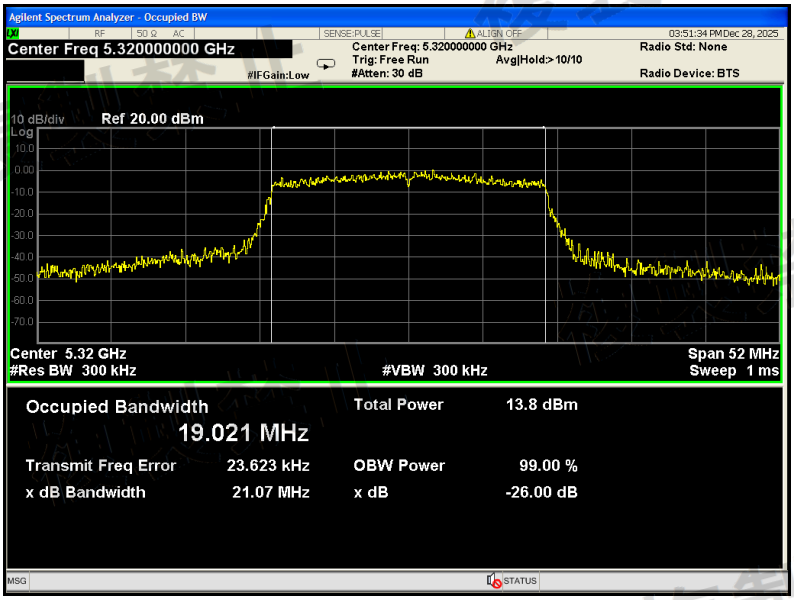
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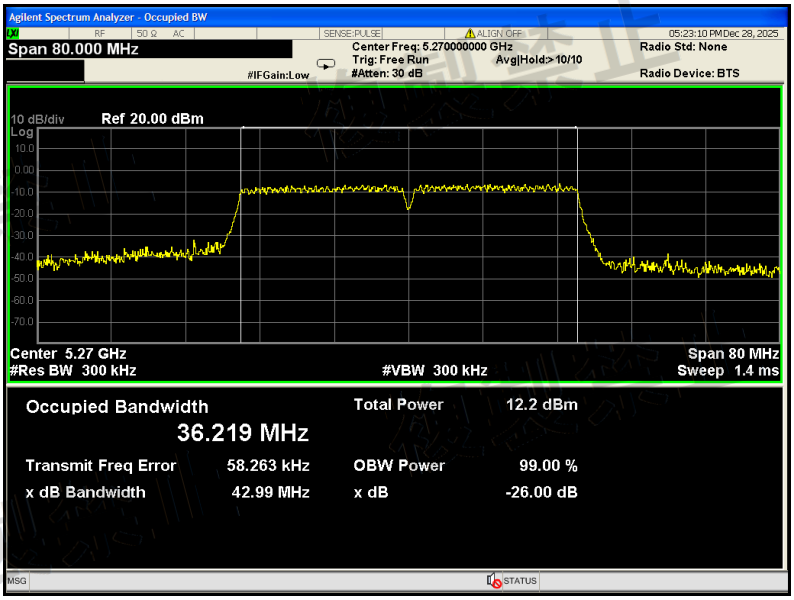
W53 802.11ax-HE20 Middle channel



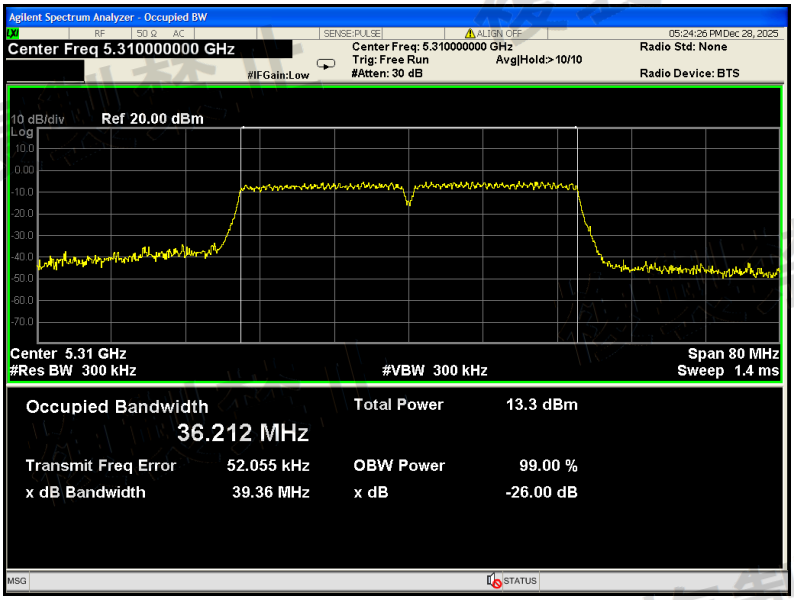
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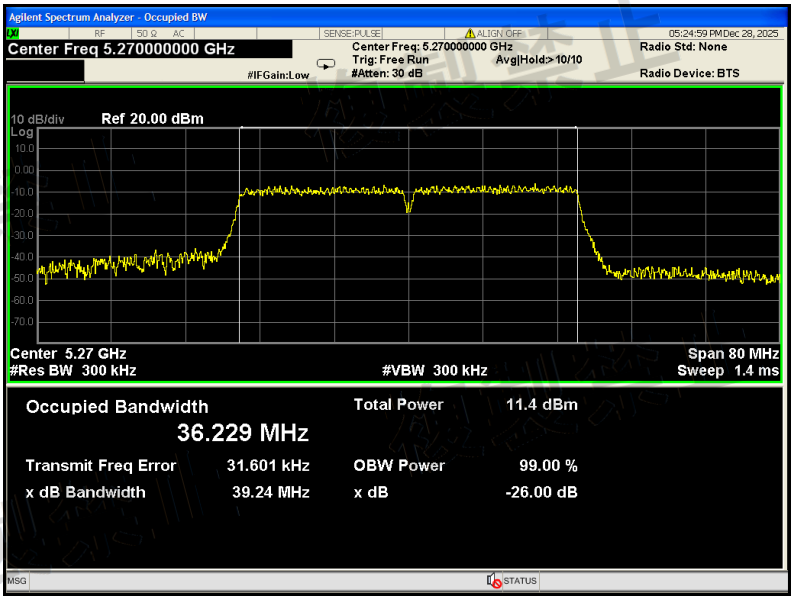
W53 802.11n-HT40 Low channel



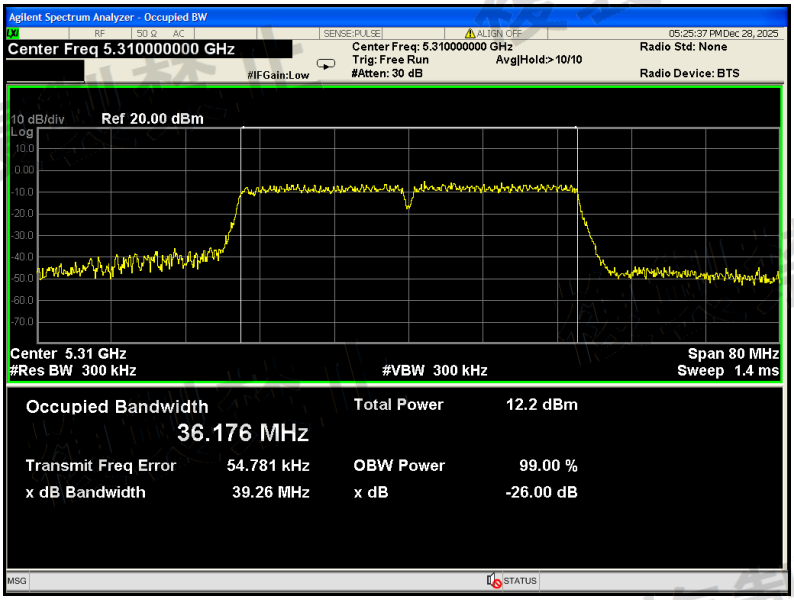
W53 802.11n-HT40 High channel



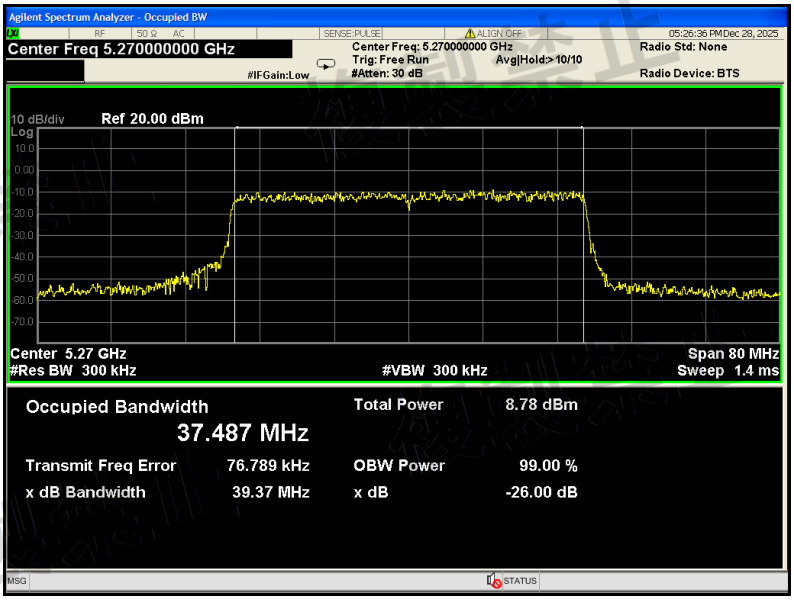
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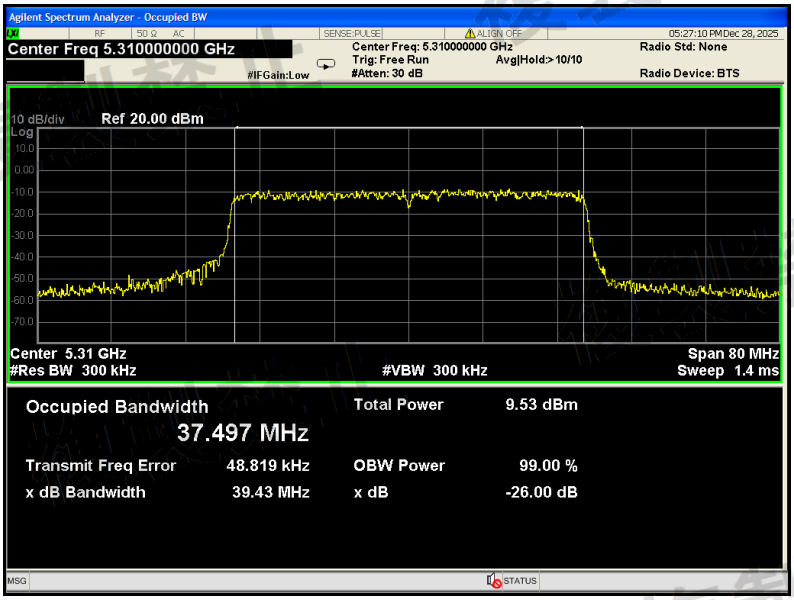
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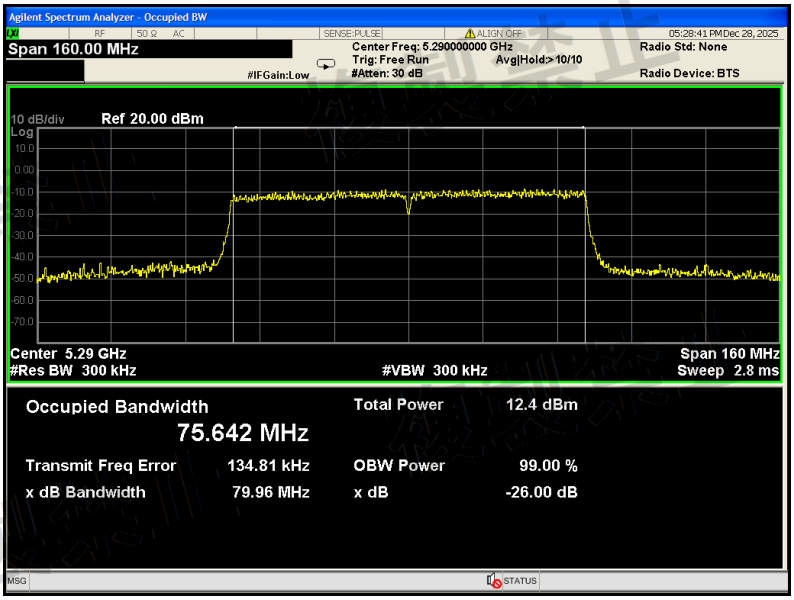
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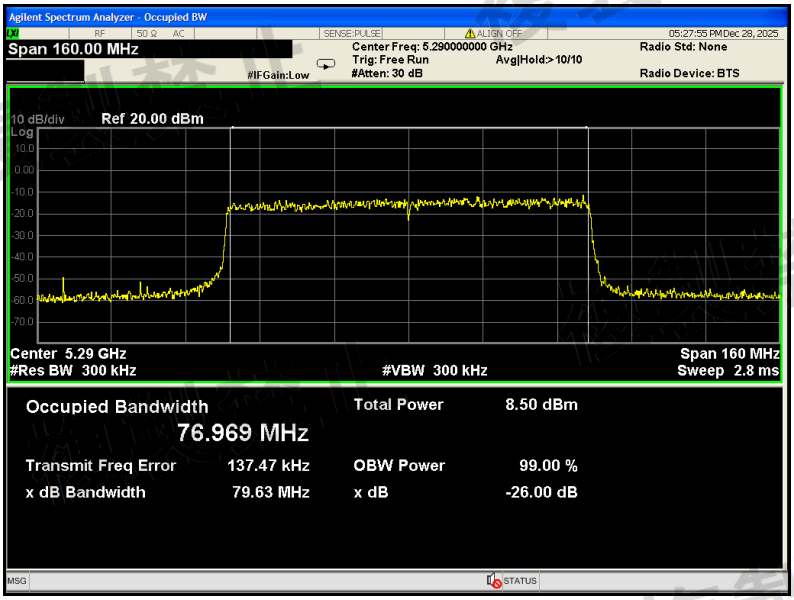
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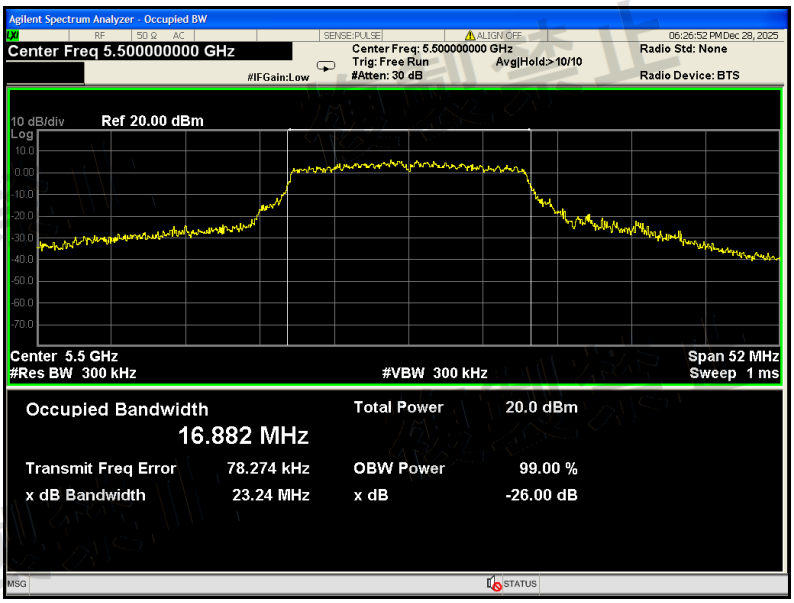
W53 802.11ac-VHT80 Low channel



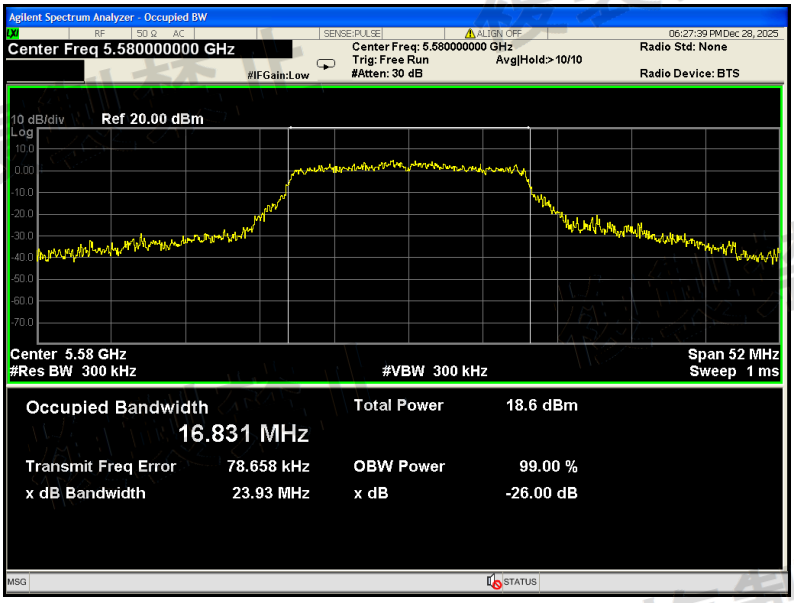
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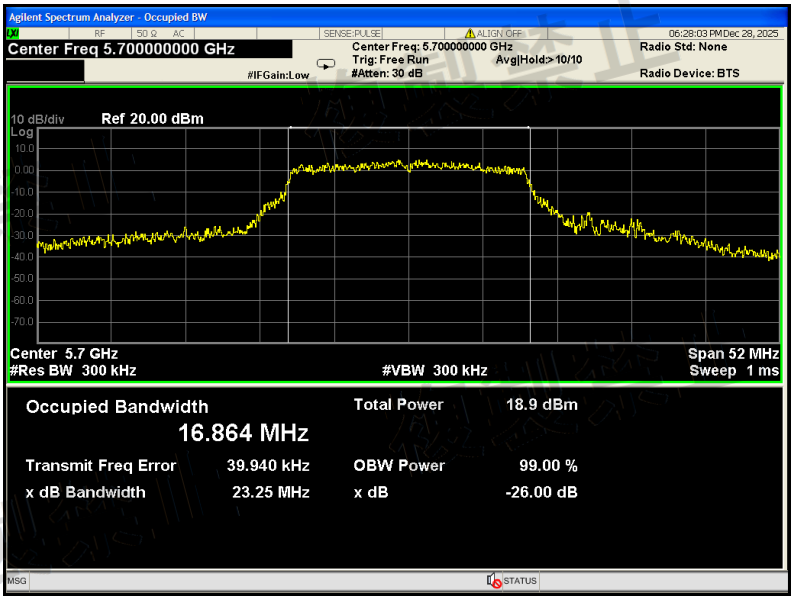
W56 802.11a Low channel



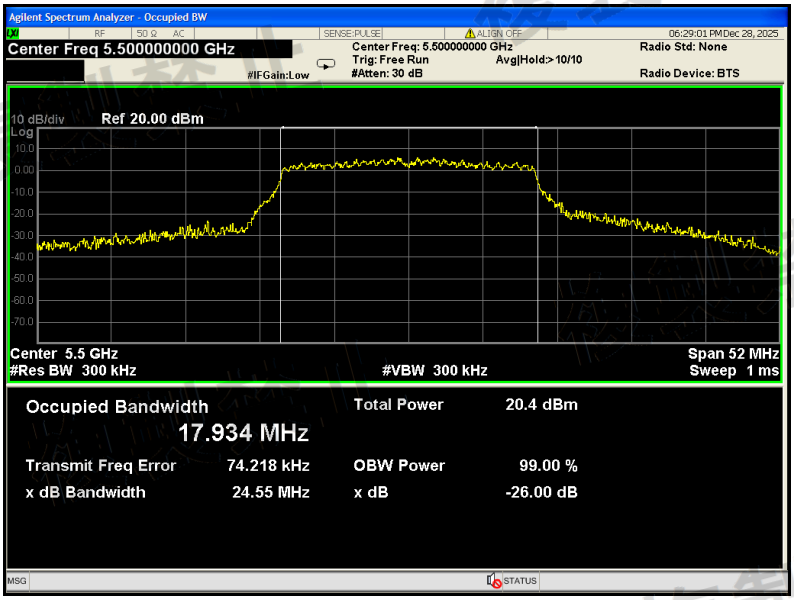
W56 802.11a Middle channel



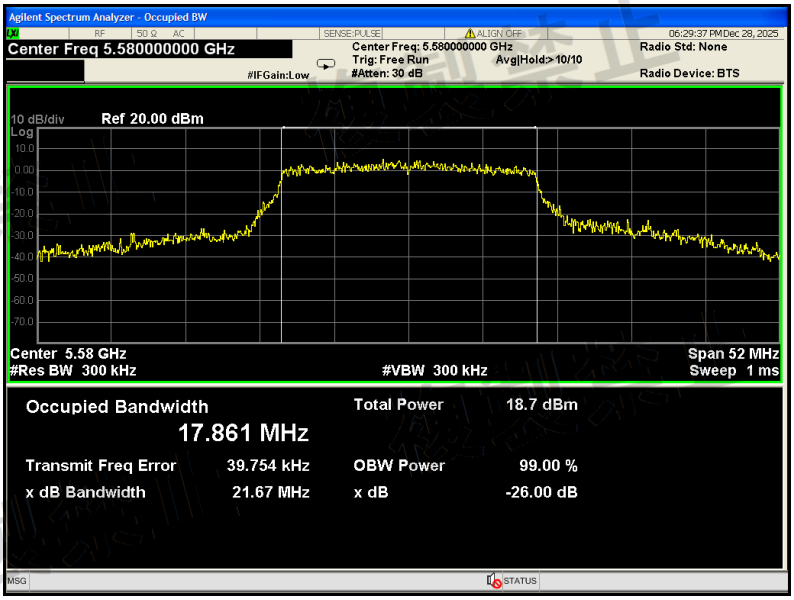
W56 802.11a High channel



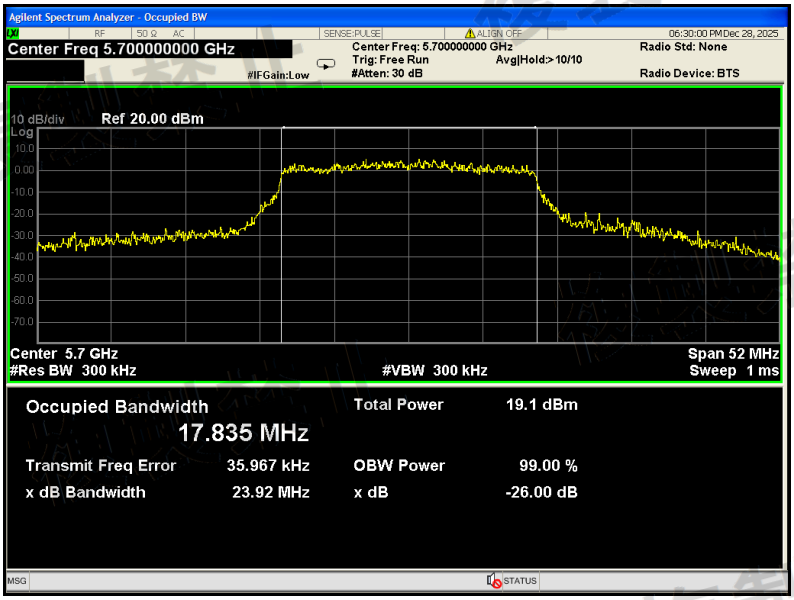
W56 802.11n-HT20 Low channel



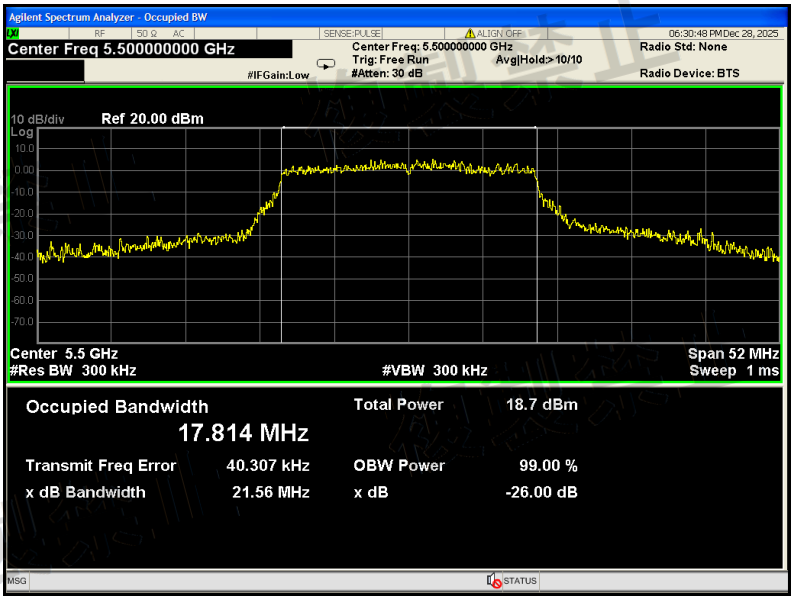
W56 802.11n-HT20 Middle channel



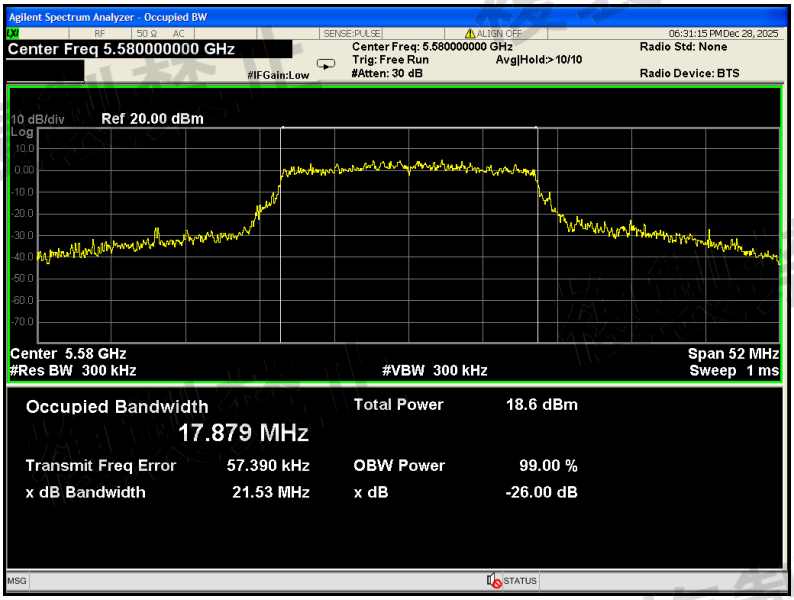
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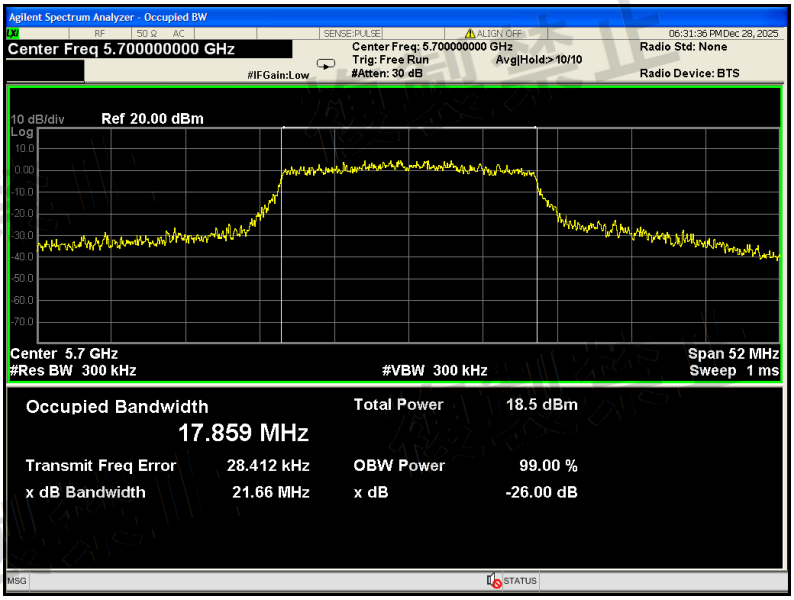
W56 802.11ac-VHT20 Low channel



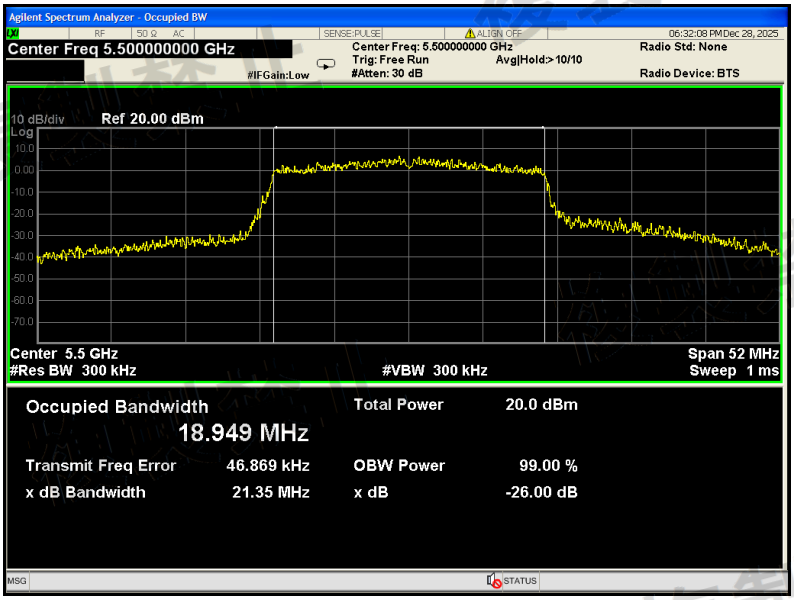
W56 802.11ac-VHT20 Middle channel



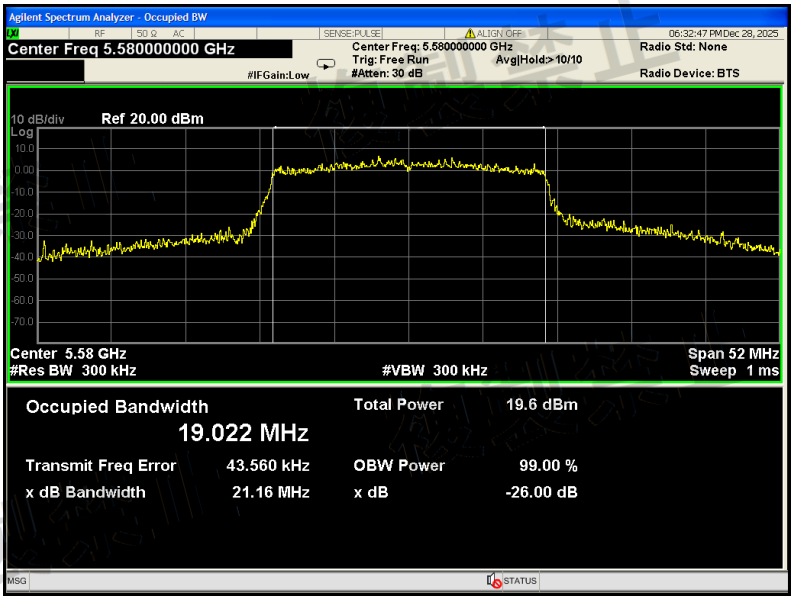
W56 802.11ac-VHT20 High channel



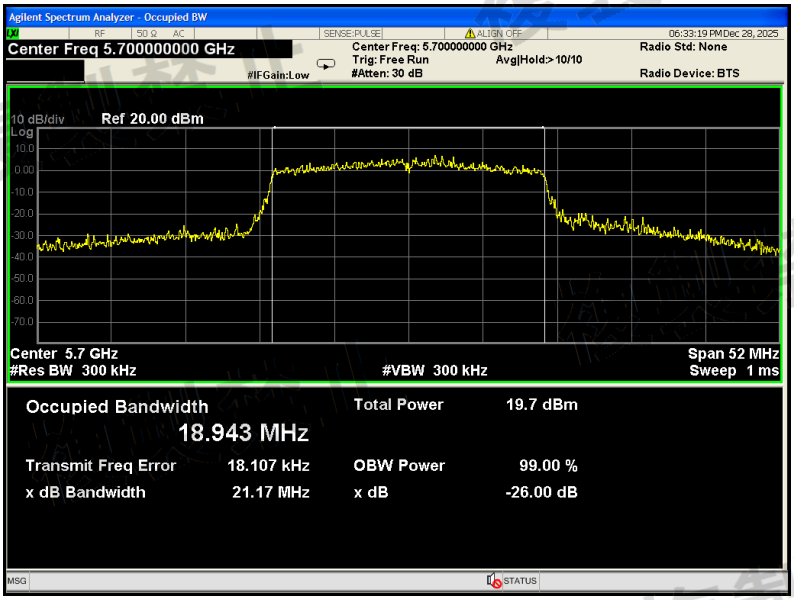
W56 802.11ax-HE20 Low channel



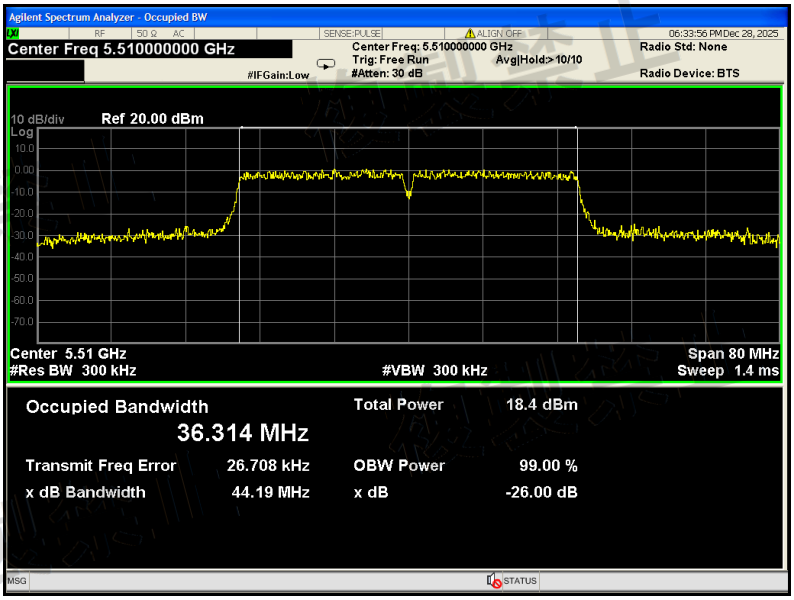
W56 802.11ax-HE20 Middle channel



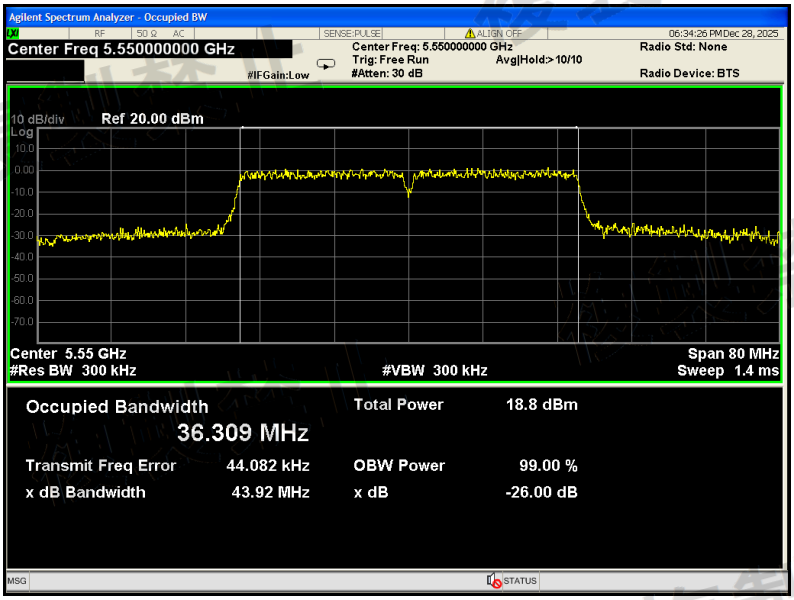
W56 802.11ax-HE20 High channel



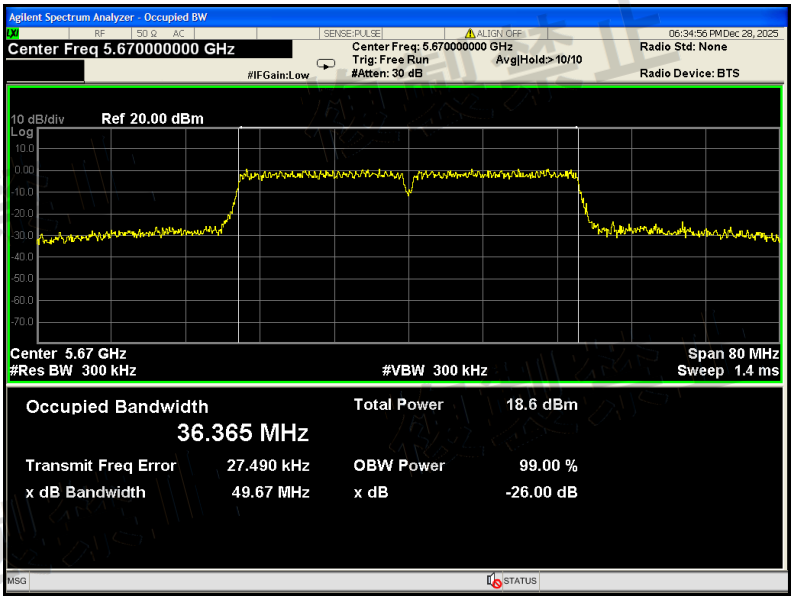
W56 802.11n-HT40 Low channel



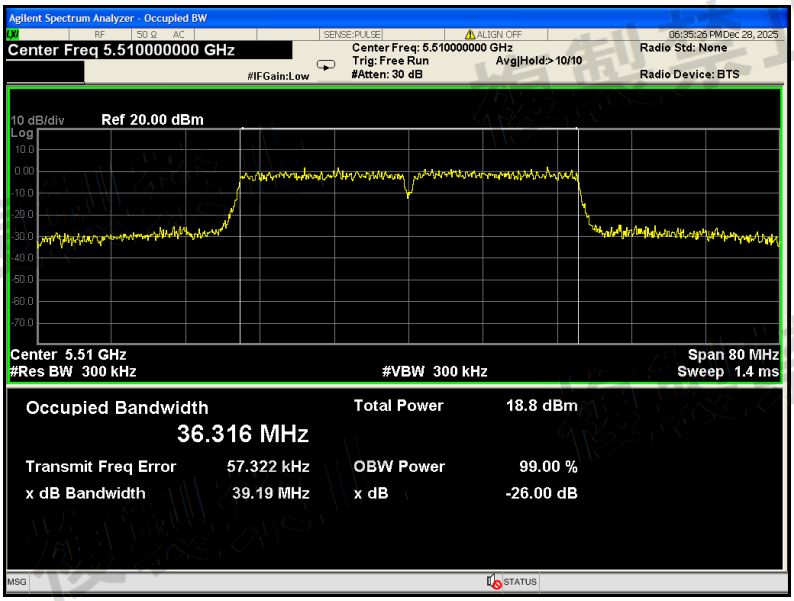
W56 802.11n-HT40 Middle channel



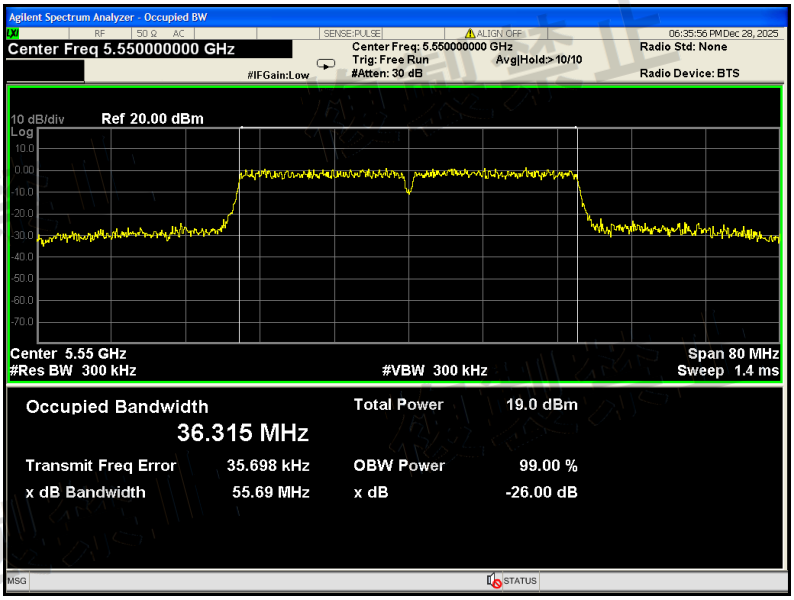
W56 802.11n-HT40 High channel



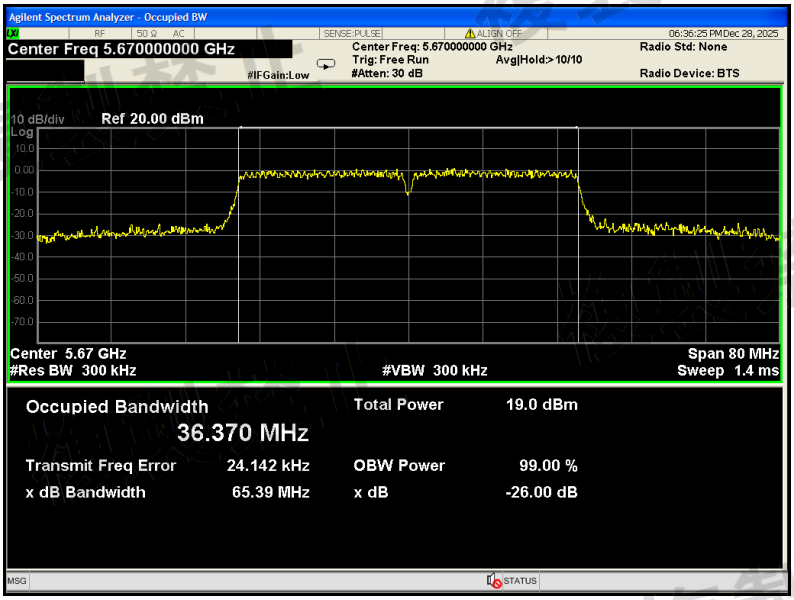
W56 802.11ac-VHT40 Low channel



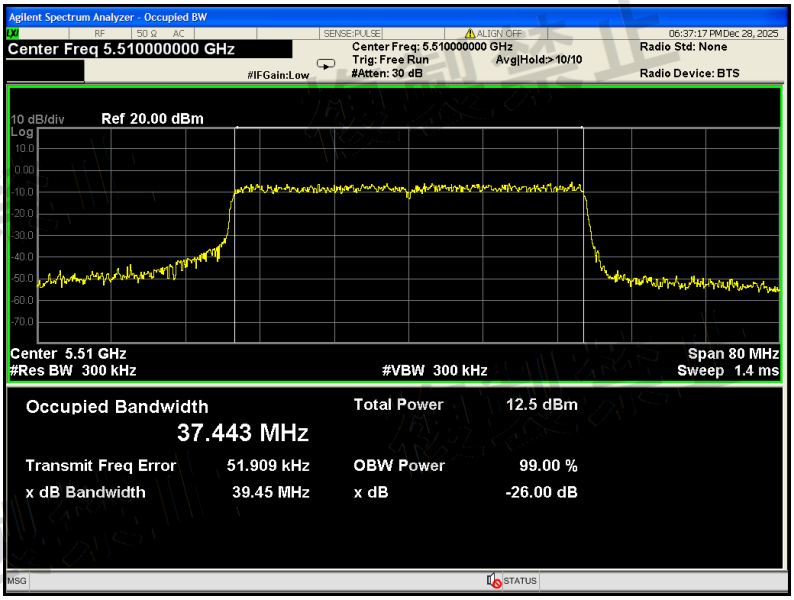
W56 802.11ac-VHT40 Middle channel



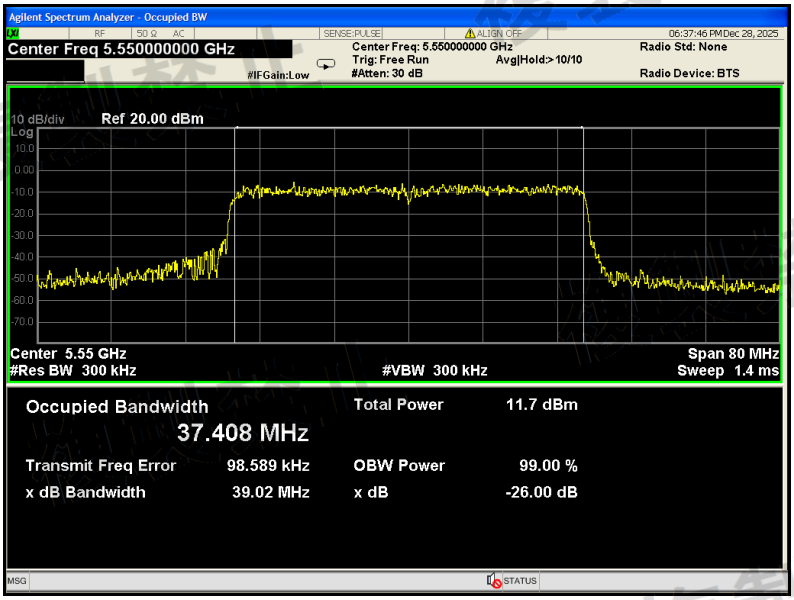
W56 802.11ac-VHT40 High channel



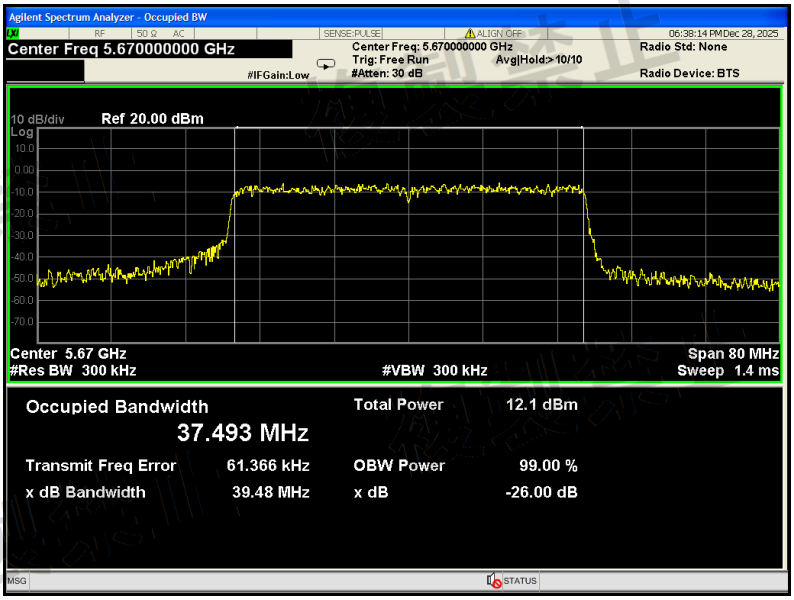
W56 802.11ax-HE40 Low channel



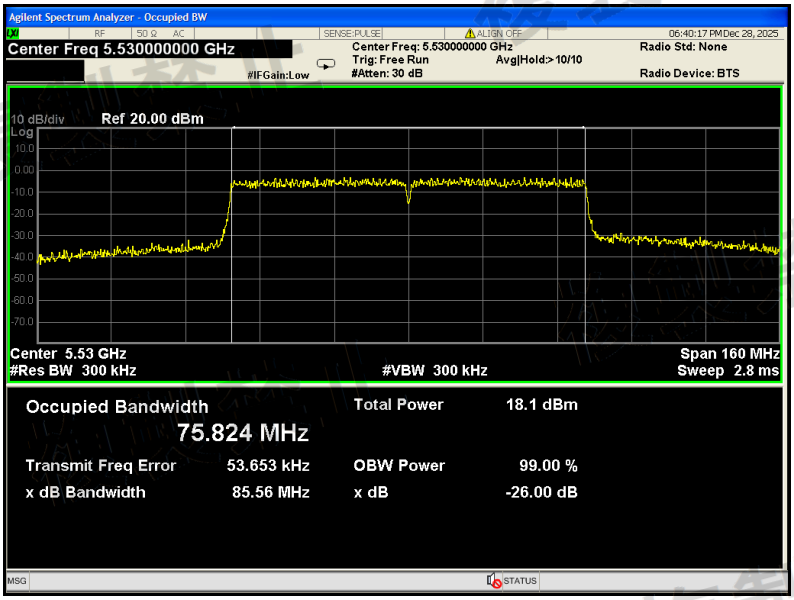
W56 802.11ax-HE40 Middle channel



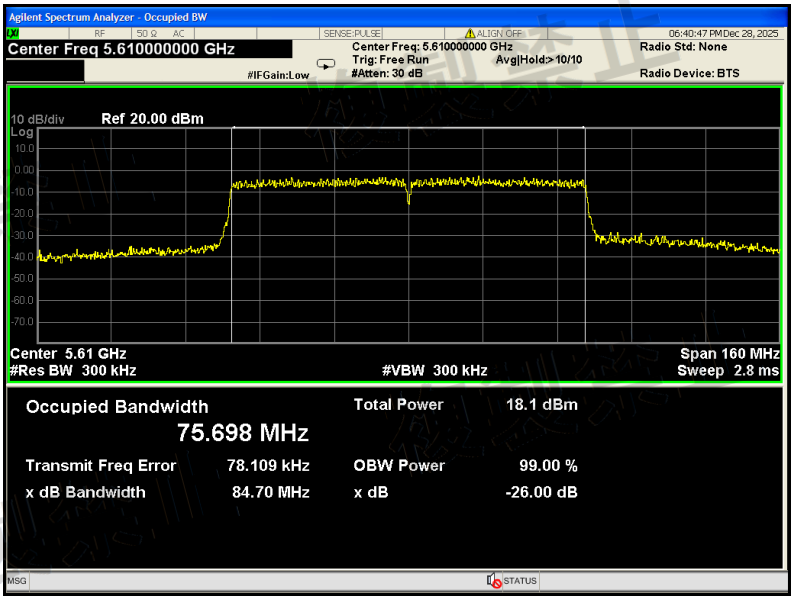
W56 802.11ax-HE40 High channel



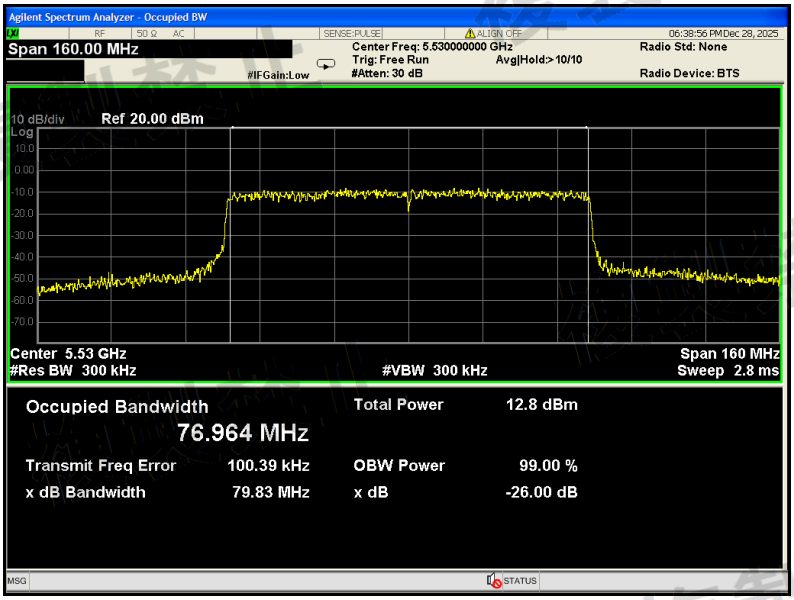
W56 802.11ac-VHT80 Low channel



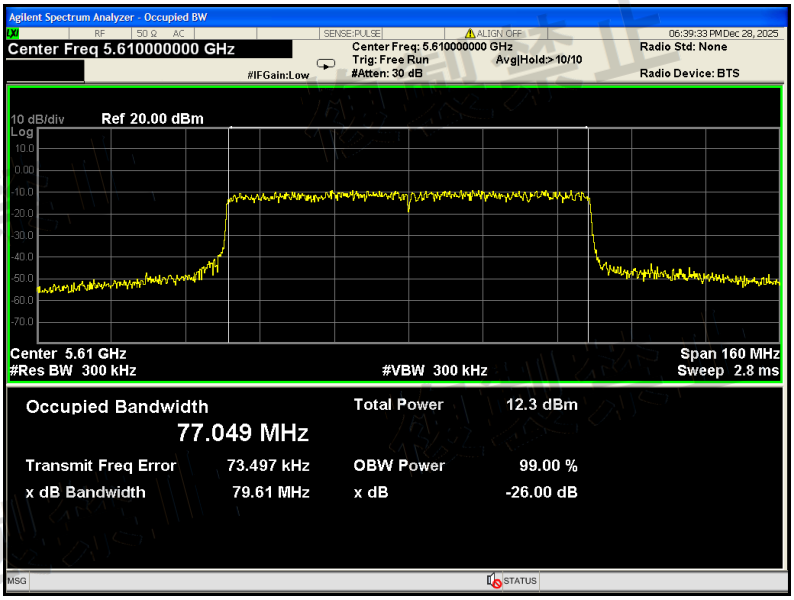
W56 802.11ac-VHT80 High channel



W56 802.11ac-VHT80 Low channel



W56 802.11ac-VHT80 High channel



6.5 Transmission Rate

6.5.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

6.5.2 Limit

According to Article Article 2 Paragraph 1 of Item 19-3, transmission speed for radio equipment use the OFDM modulation shall be capable of transmitting signals at 20 Mbit / s or faster for HT20 , 40 Mbit / s for HT40 , 80 Mbit / s for HT80 and 160 Mbit / s for HT80+HT80.

6.5.3 Test Setup



6.5.4 Test Procedures

1. Connect the EUT to Wireless AP by Wi-Fi function;
2. Connect the Wireless AP to Laptop by wired cable;
3. Run the throughput test software “iPerf”;
4. Record the transmitting rate;
5. Repeat above steps for all modes

6.5.5 Result

Modulation	Bandwidth (MHz)	Transmission rate(Mbps)
802.11a	20	54
802.11n	20, 40	160
802.11ac	20, 40, 80	433.3

6.6 Transmission Burst Length

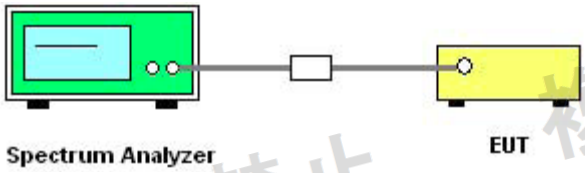
6.6.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

6.6.2 Limit

According to Article 2 Paragraph 1 of Item 19-3, transmission burst length is 8ms or less.

6.6.3 Test Setup



6.6.4 Test Procedures

1. Connect the EUT to Wireless AP by Wi-Fi function;
1. EUT have transmitted the maximum modulation signal and fixed Channelize.
2. Setting of SA is following as: RBW: 1MHz / VBW: 1MHz /Span = 0 /
Sweep time: 5ms / Sweep Mode: Single sweep / Detect mode: RMS /
Trace mode: Max hold.
3. Press the Sweep Button, and captured at least on burst by SA;
4. Use the delta function to marker the burst length
5. When the trace completed, saved the plots;
6. Repeat above steps for applicable test frequencies and Channel Bandwidth.

6.6.5 Result

ANT 1:

W52:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.395	8
802.11n-HT20	1.305	8
802.11ac-VHT20	1.315	8
802.11ax(HE20)	1.020	8
802.11n-HT40	0.648	8
802.11ac-VHT40	0.657	8
802.11ax(HE40)	0.087	8
802.11ac-VHT80	0.323	8
802.11ax(HE80)	0.077	8
Note: The result only show the worst channel each mode.		

W53:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.398	8
802.11n-HT20	1.308	8
802.11ac-VHT20	1.313	8
802.11ax(HE20)	1.023	8
802.11n-HT40	0.645	8
802.11ac-VHT40	0.654	8
802.11ax(HE40)	0.087	8
802.11ac-VHT80	0.318	8
802.11ax(HE80)	0.077	8
Note: The result only show the worst channel each mode.		

W56:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.387	8
802.11n-HT20	1.302	8
802.11ac-VHT20	1.312	8
802.11ax(HE20)	1.017	8
802.11n-HT40	0.648	8
802.11ac-VHT40	0.651	8
802.11ax(HE40)	0.088	8
802.11ac-VHT80	0.322	8
802.11ax(HE80)	0.078	8
Note: The result only show the worst channel each mode.		

ANT 2:

W52:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.395	8
802.11n-HT20	1.305	8
802.11ac-VHT20	1.315	8
802.11ax(HE20)	1.020	8
802.11n-HT40	0.644	8
802.11ac-VHT40	0.656	8
802.11ax(HE40)	0.087	8
802.11ac-VHT80	0.323	8
802.11ax(HE80)	0.077	8
Note: The result only show the worst channel each mode.		

W53:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.397	8
802.11n-HT20	1.307	8
802.11ac-VHT20	1.317	8
802.11ax(HE20)	1.022	8
802.11n-HT40	0.647	8
802.11ac-VHT40	0.659	8
802.11ax(HE40)	0.087	8
802.11ac-VHT80	0.322	8
802.11ax(HE80)	0.078	8
Note: The result only show the worst channel each mode.		

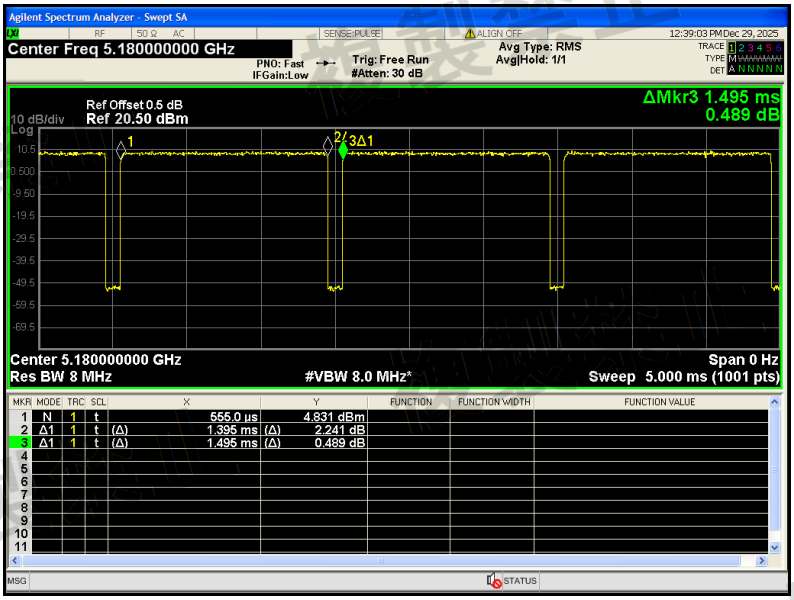
W56:

Modulation	Measurement Burst Length(ms)	Limit(ms)
802.11a	1.392	8
802.11n-HT20	1.307	8
802.11ac-VHT20	1.312	8
802.11ax(HE20)	1.022	8
802.11n-HT40	0.644	8
802.11ac-VHT40	0.653	8
802.11ax(HE40)	0.087	8
802.11ac-VHT80	0.324	8
802.11ax(HE80)	0.077	8
Note: The result only show the worst channel each mode.		

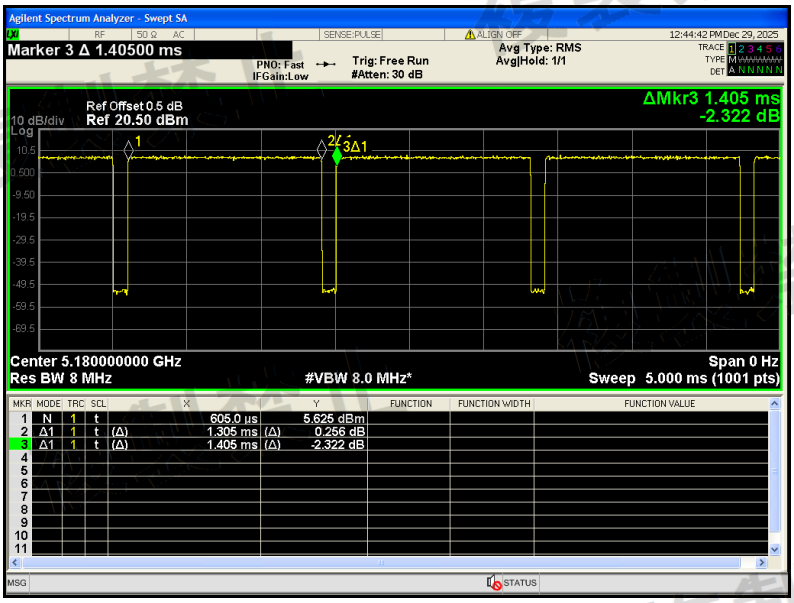
ANT 1:

Test Plots

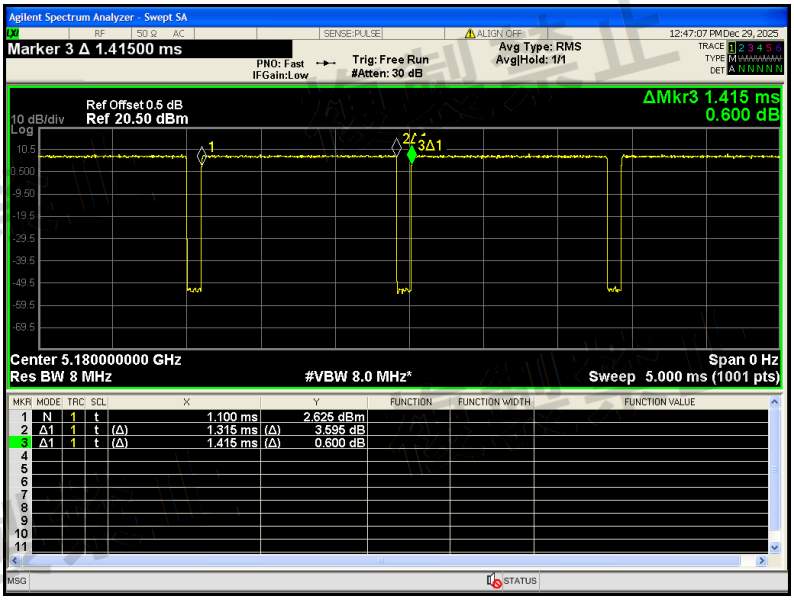
W52 802.11a Low channel



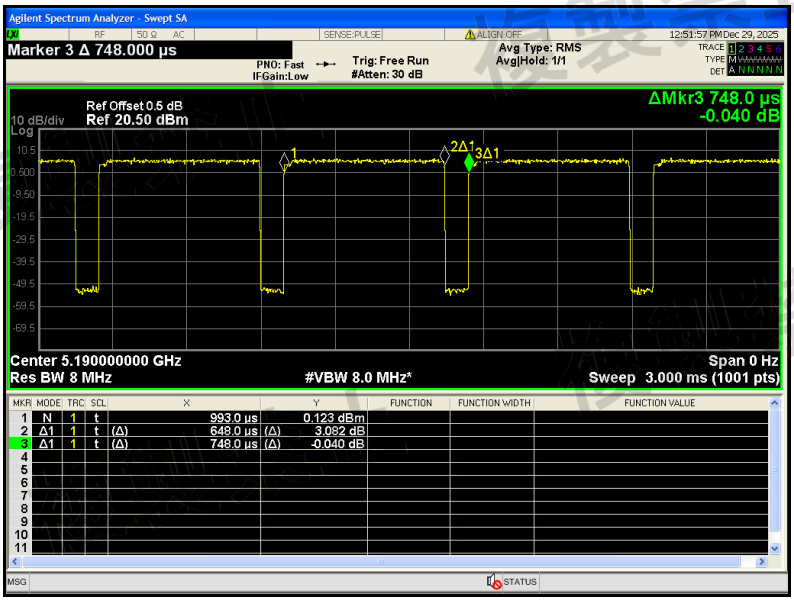
W52 802.11n-HT20 Low channel



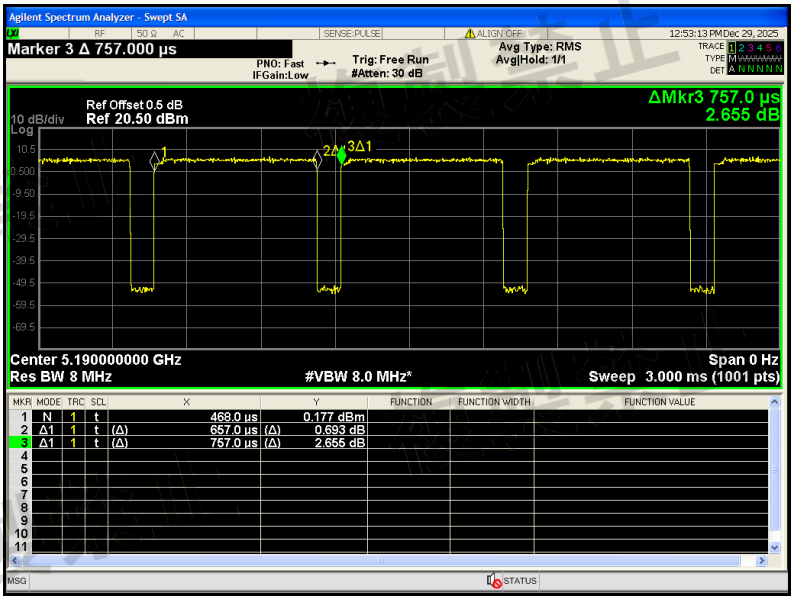
W52 802.11ac-VHT20 Low channel



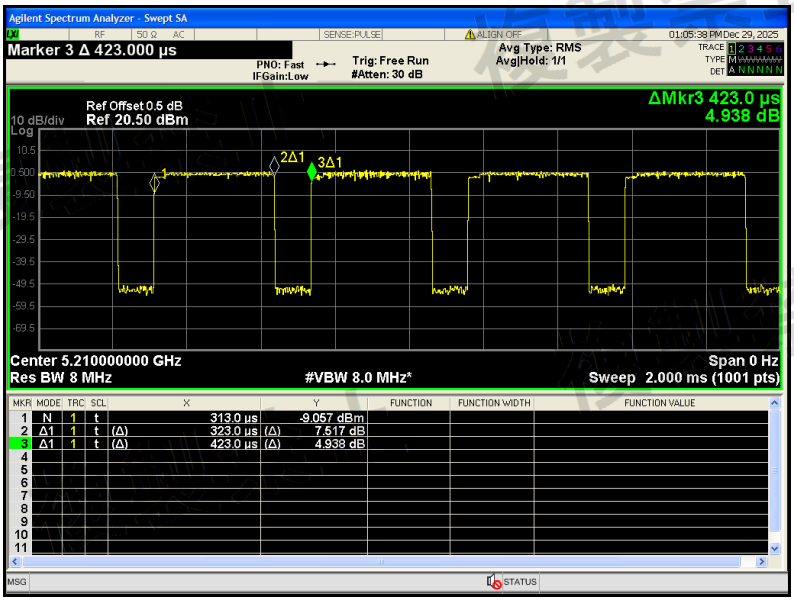
W52 802.11n-HT40 Low channel



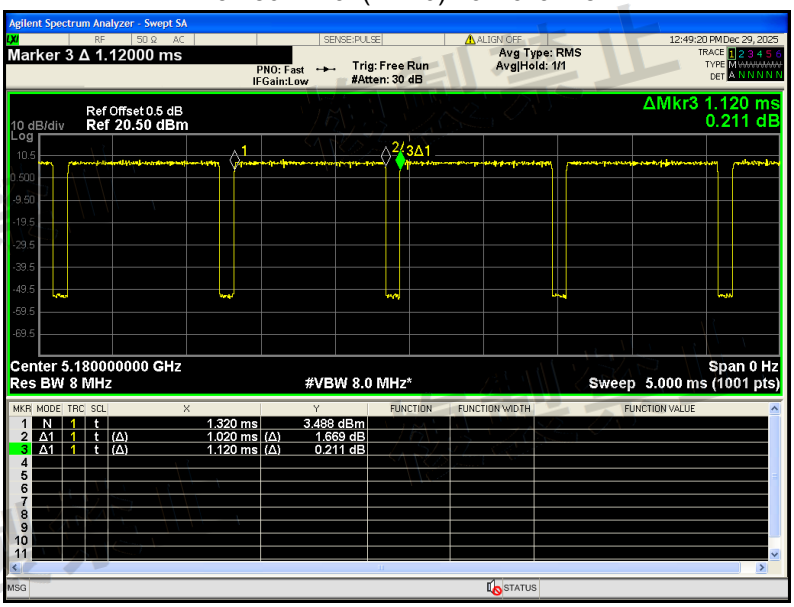
W52 802.11ac-VHT40 Low channel



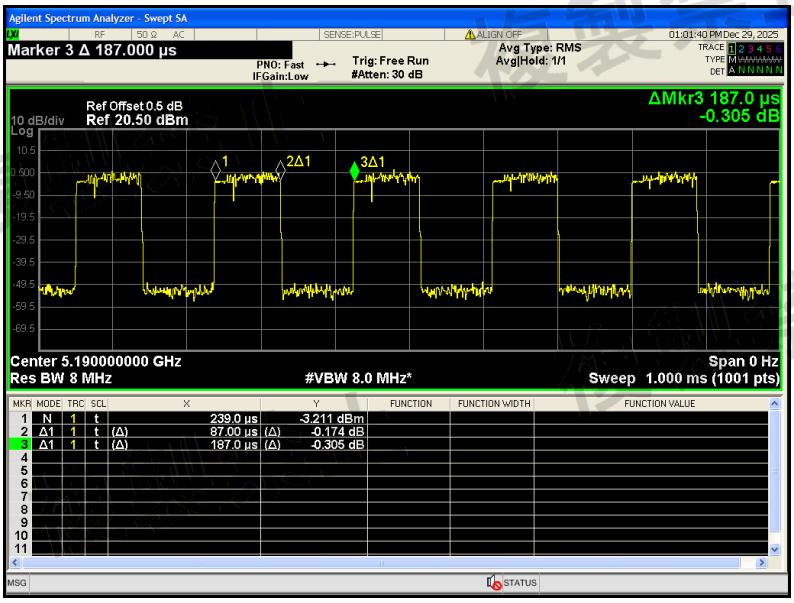
W52 802.11ac-VHT80 Low channel



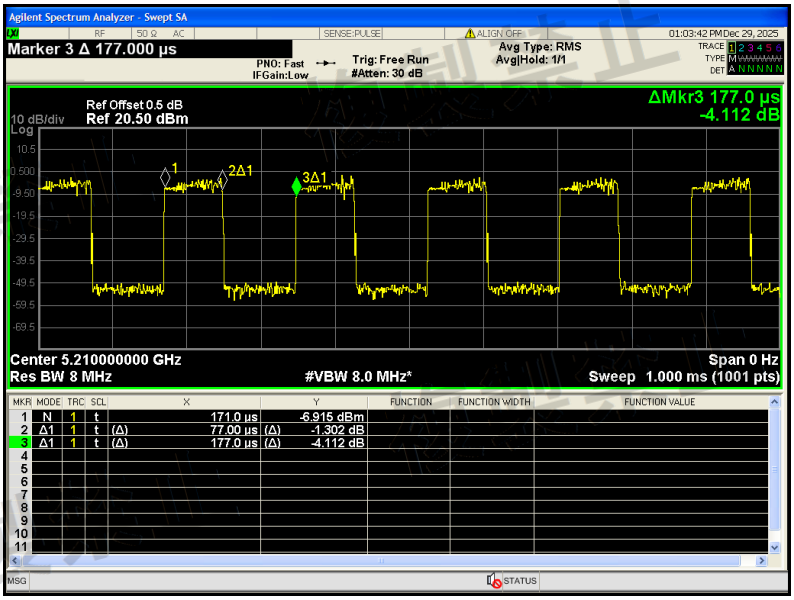
W52 802.11ax(HE20) Low channel



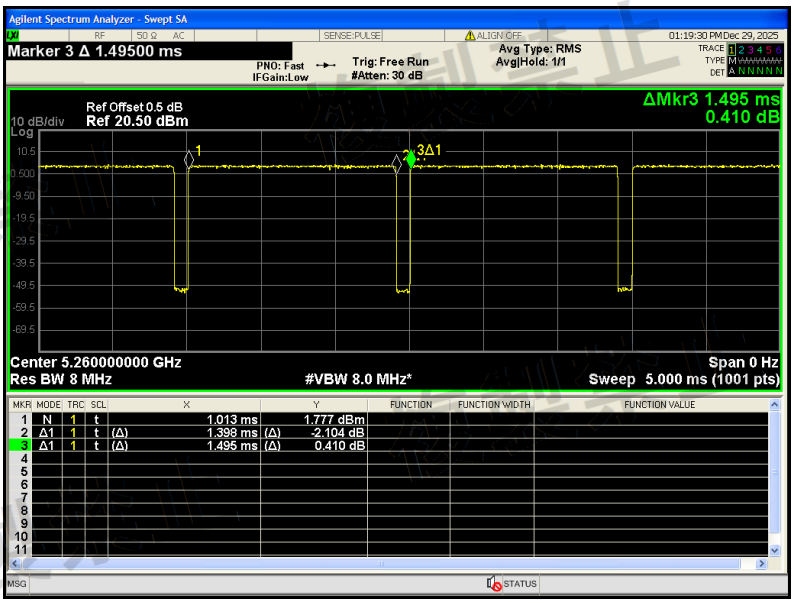
W52 802.11ax(HE40) Low channel



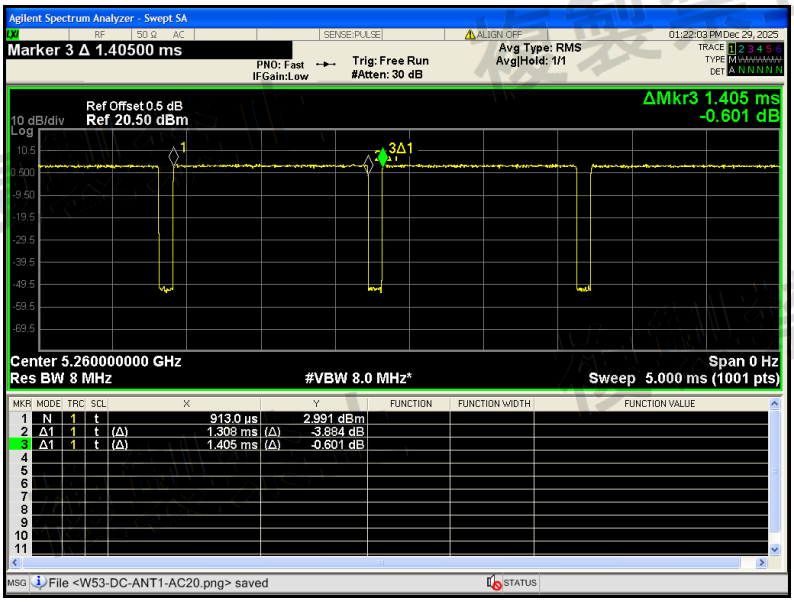
W52 802.11ax(HE80) Low channel



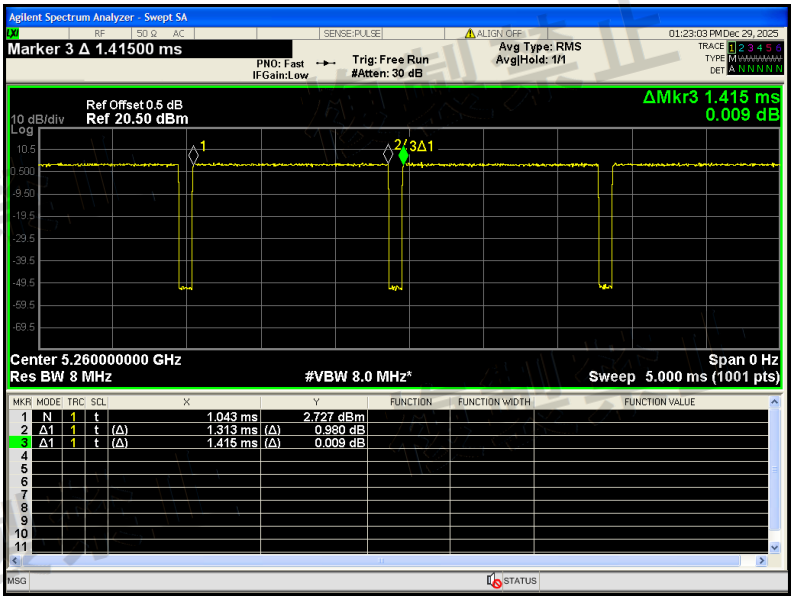
W53 802.11a Low channel



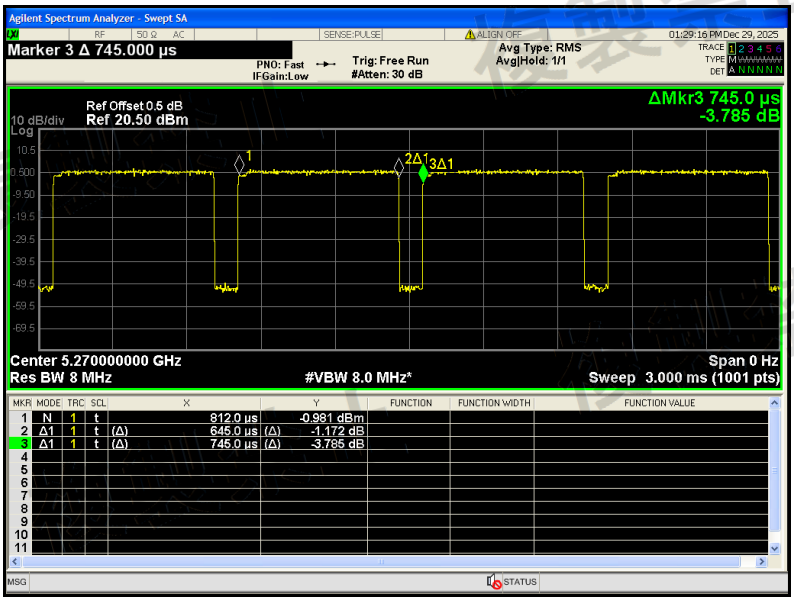
W53 802.11n-HT20 Low channel



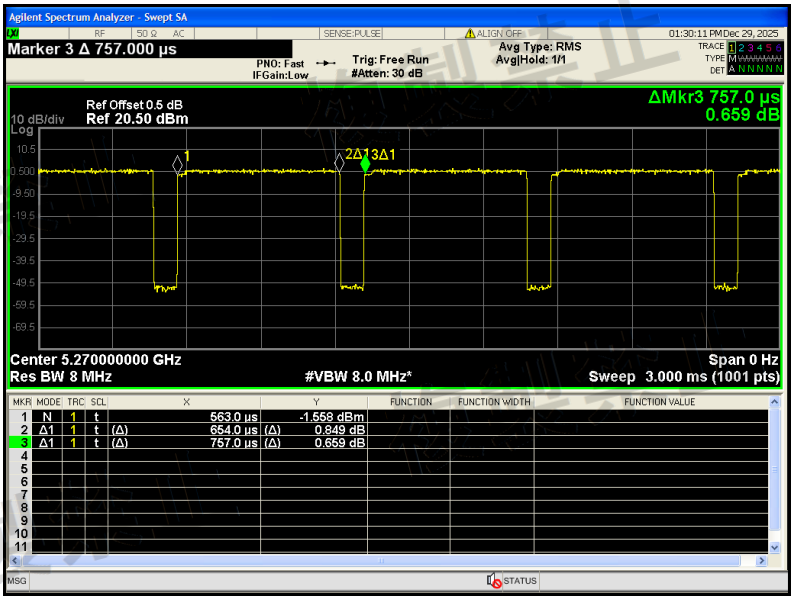
W53 802.11ac-VHT20 Low channel



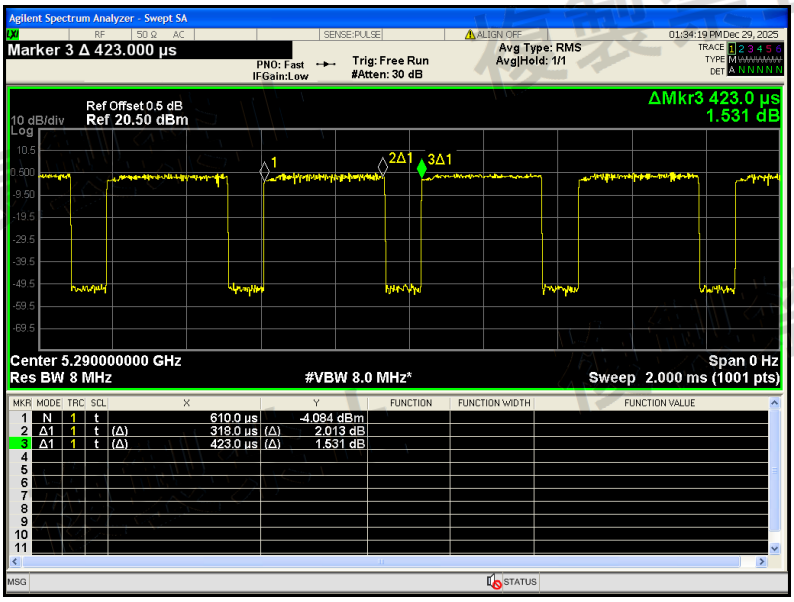
W53 802.11n-HT40 Low channel



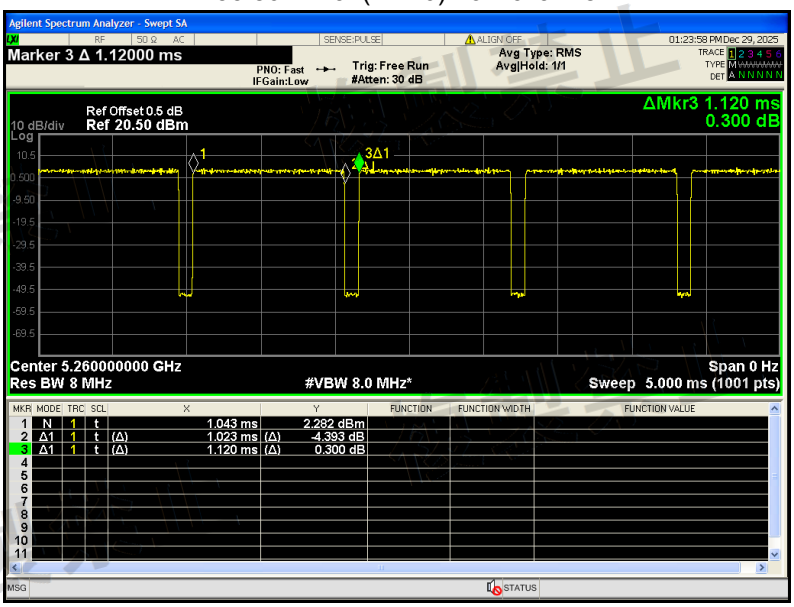
W53 802.11ac-VHT40 Low channel



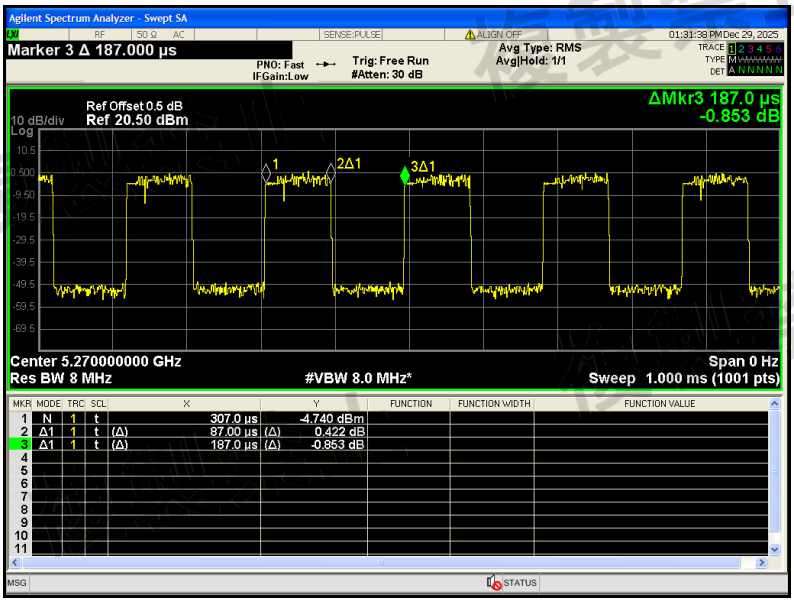
W53 802.11ac-VHT80 Low channel



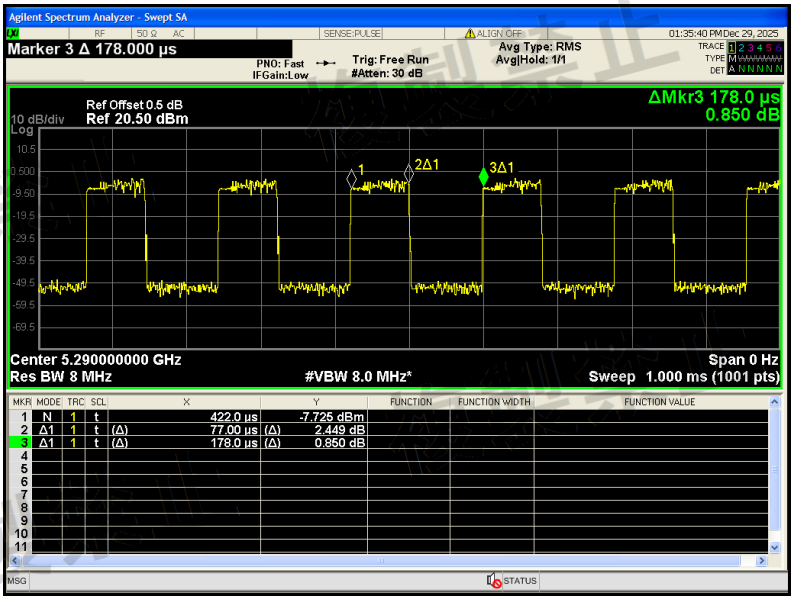
W53 802.11ax(HE20) Low channel



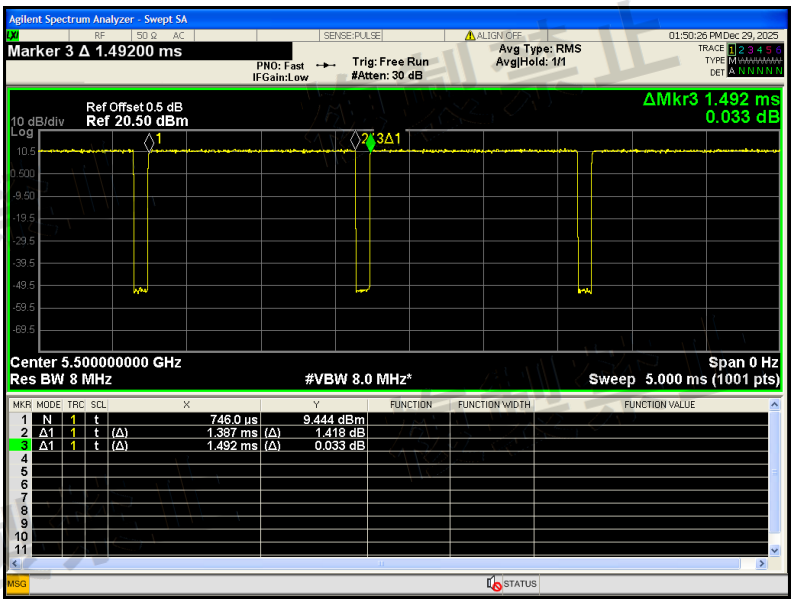
W53 802.11ax(HE40) Low channel



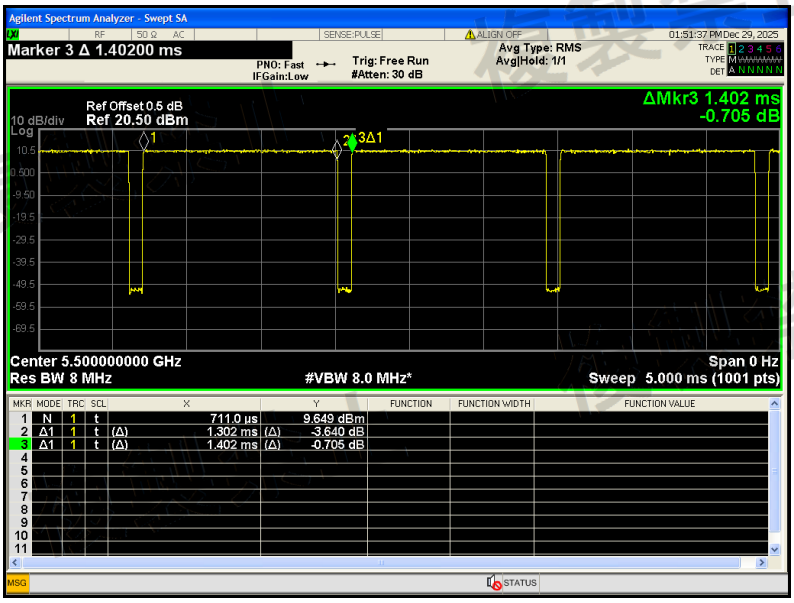
W53 802.11ax(HE80) Low channel



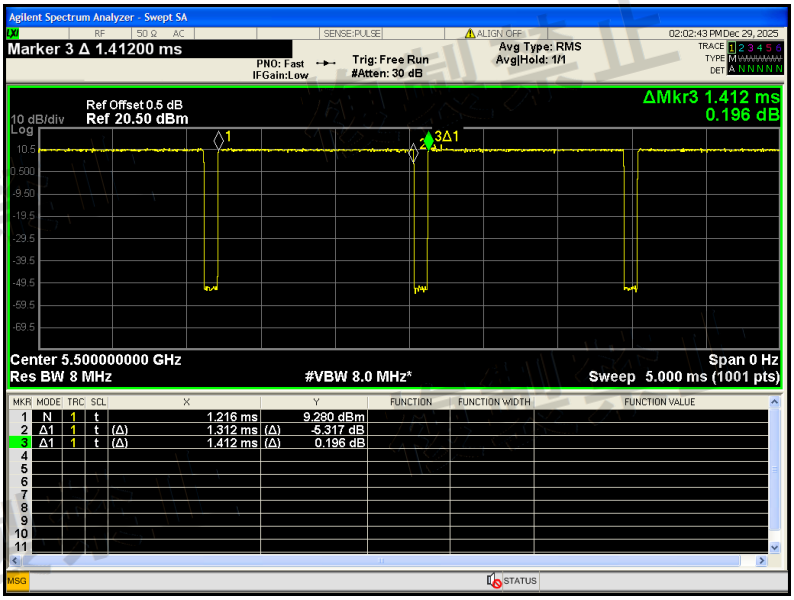
W56 802.11a Low channel



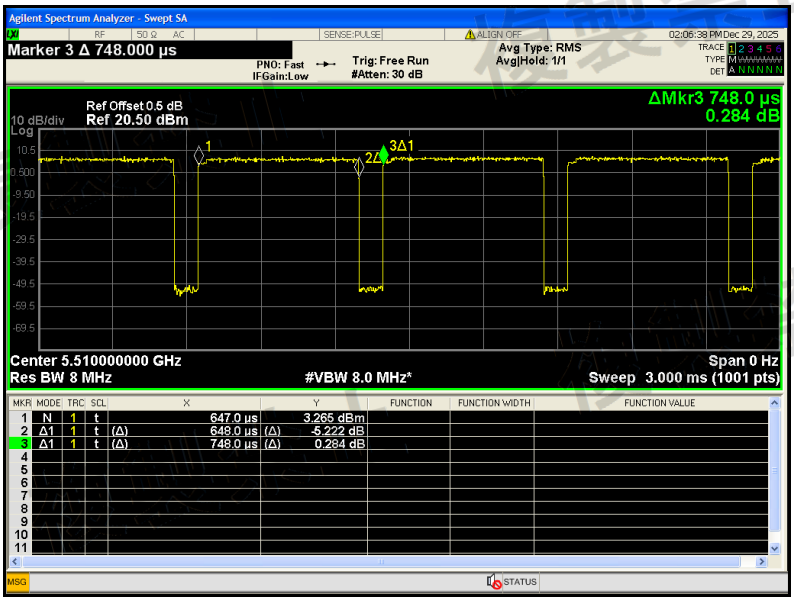
W56 802.11n-HT20 Low channel



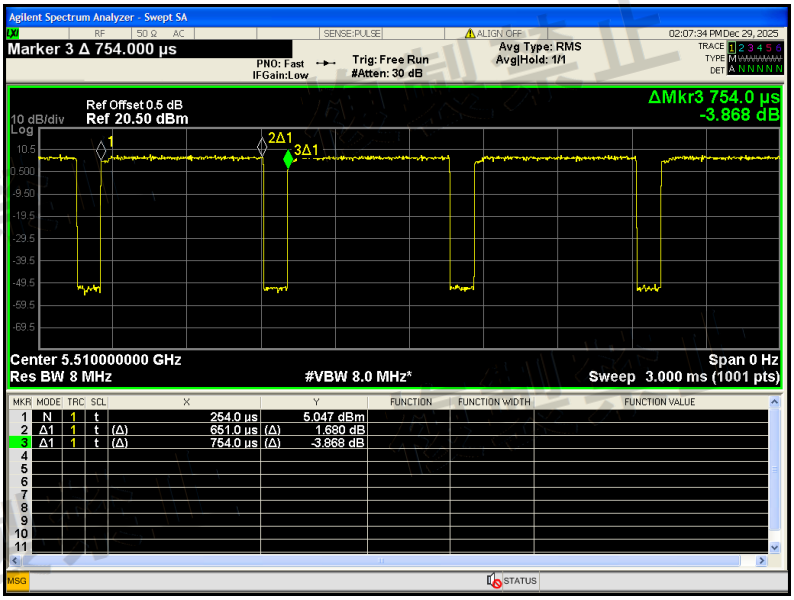
W56 802.11ac-VHT20 Low channel



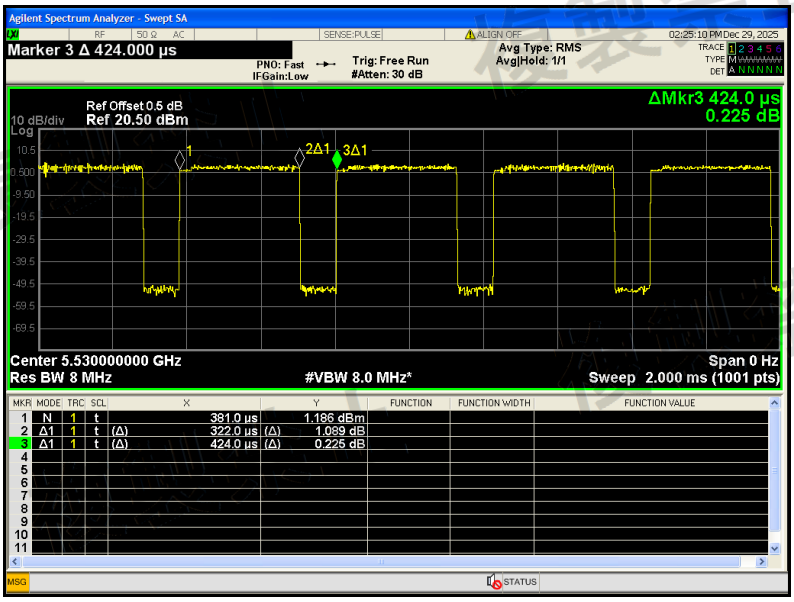
W56 802.11n-HT40 Low channel



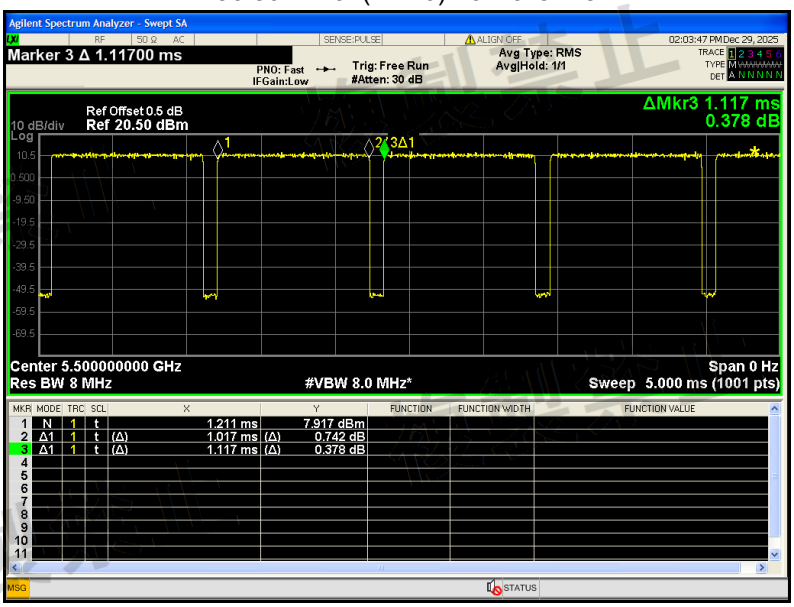
W56 802.11ac-VHT40 Low channel



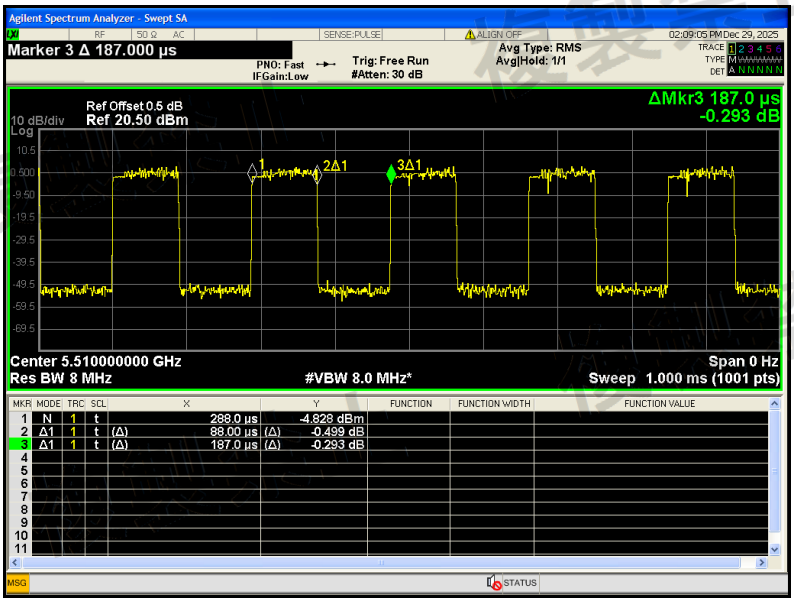
W56 802.11ac-VHT80 Low channel



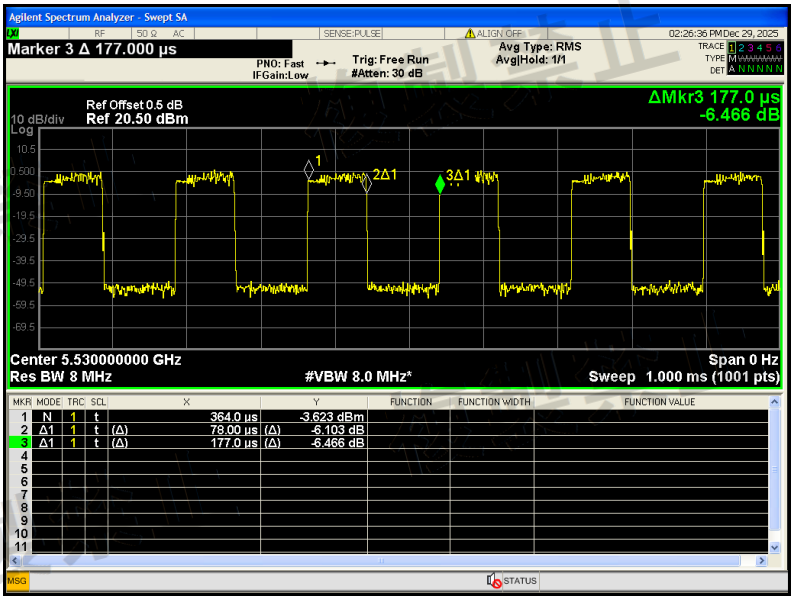
W56 802.11ax(HE20) Low channel



W56 802.11ax(HE40) Low channel



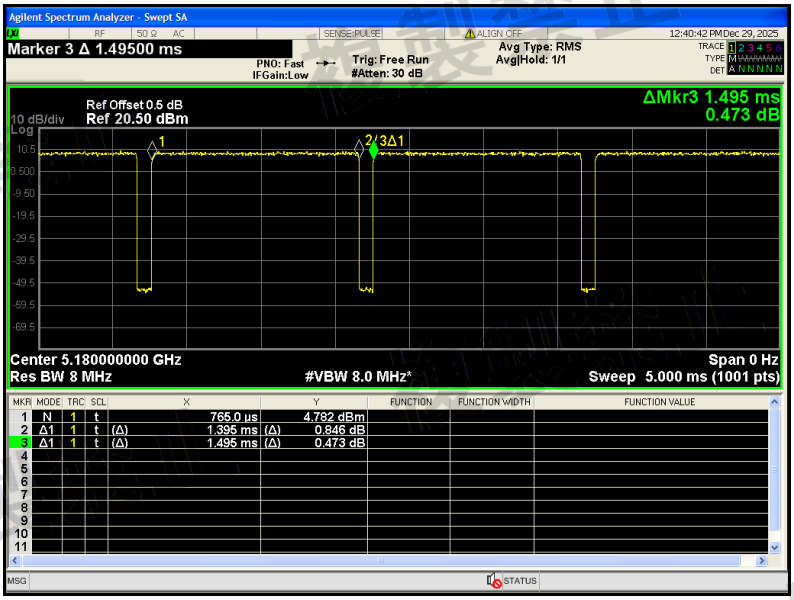
W56 802.11ax(HE80) Low channel



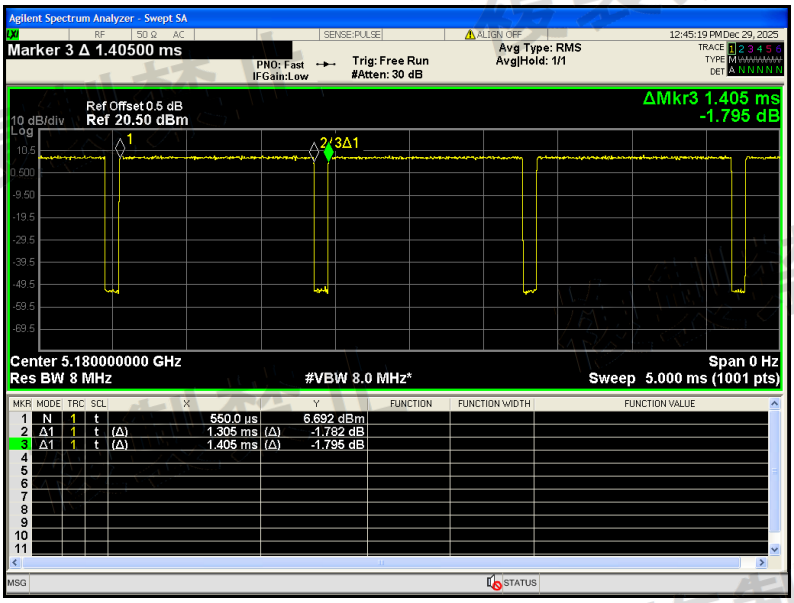
ANT 2:

Test Plots

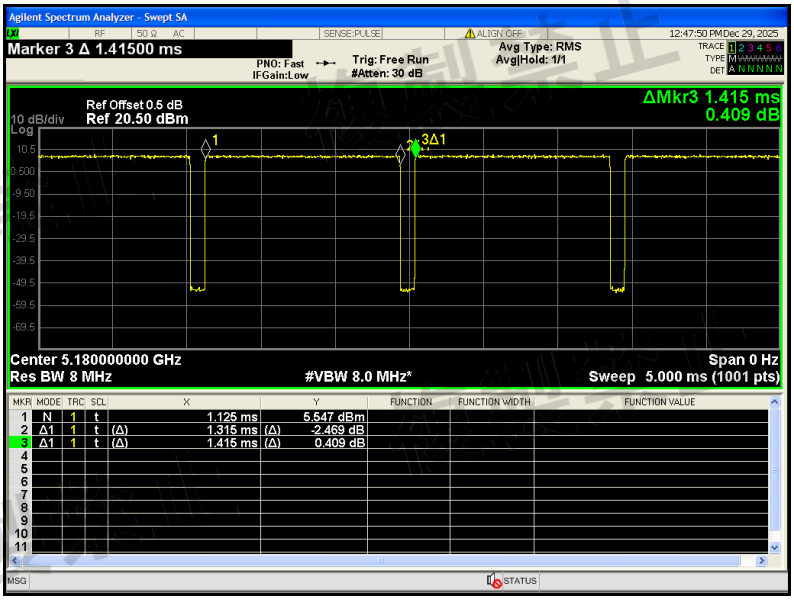
W52 802.11a Low channel



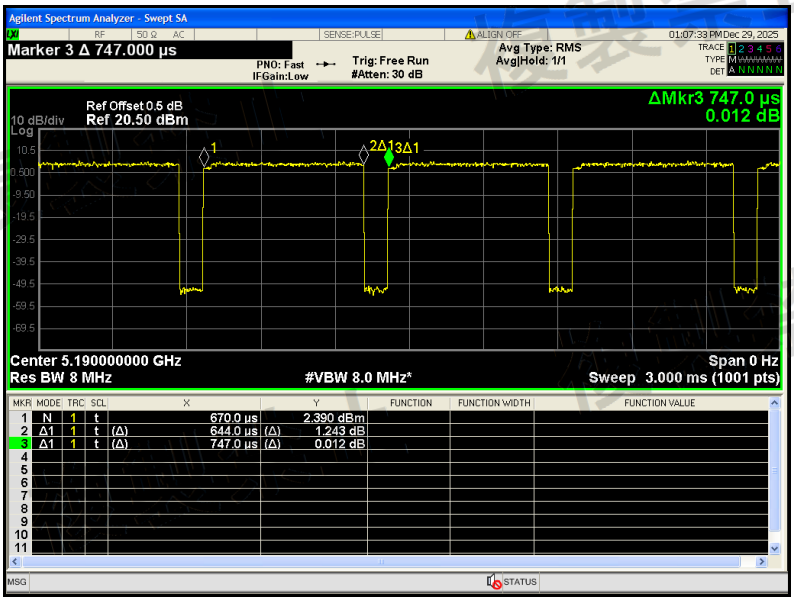
W52 802.11n-HT20 Low channel



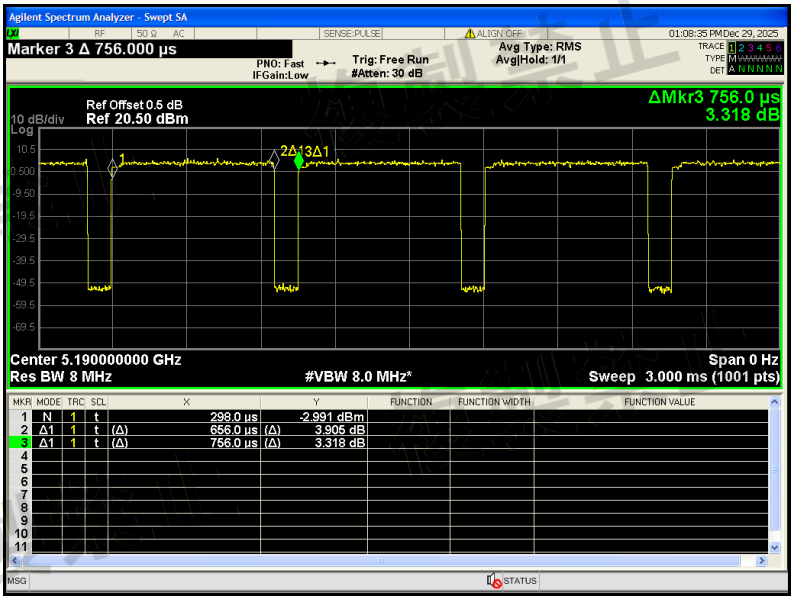
W52 802.11ac-VHT20 Low channel



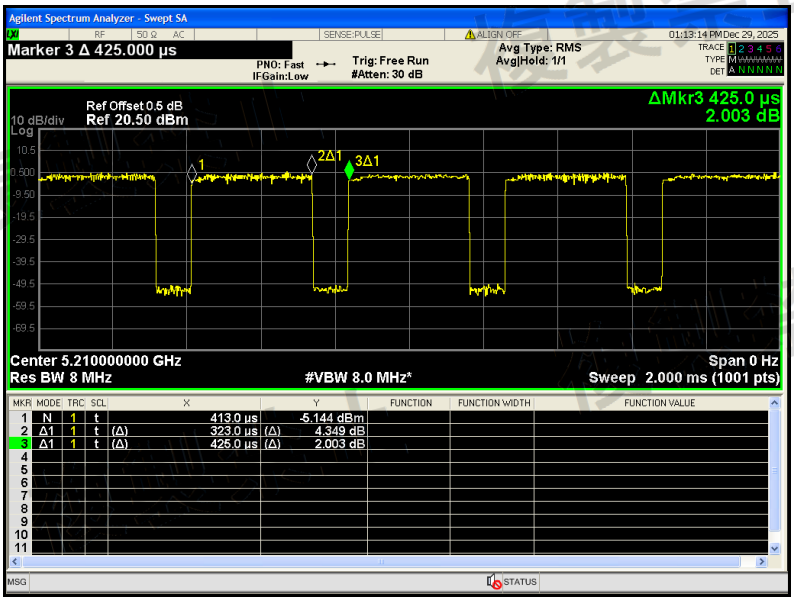
W52 802.11n-HT40 Low channel



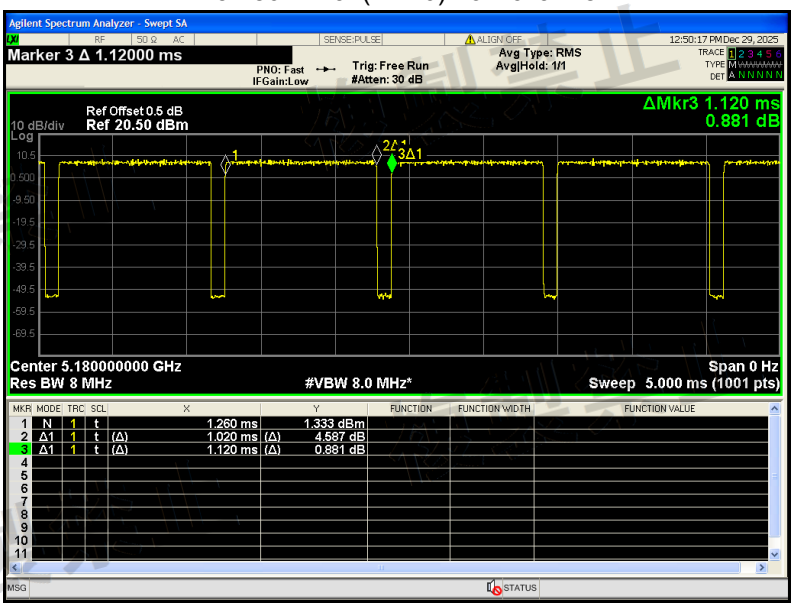
W52 802.11ac-VHT40 Low channel



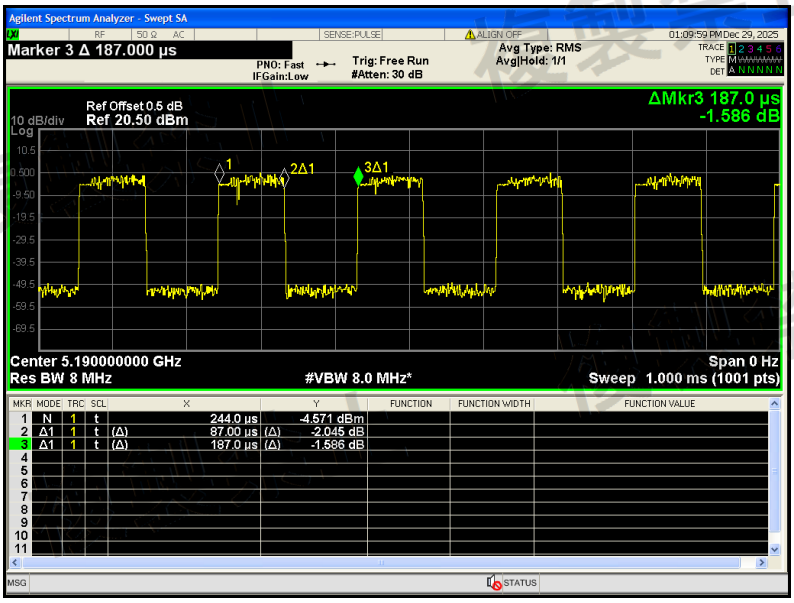
W52 802.11ac-VHT80 Low channel



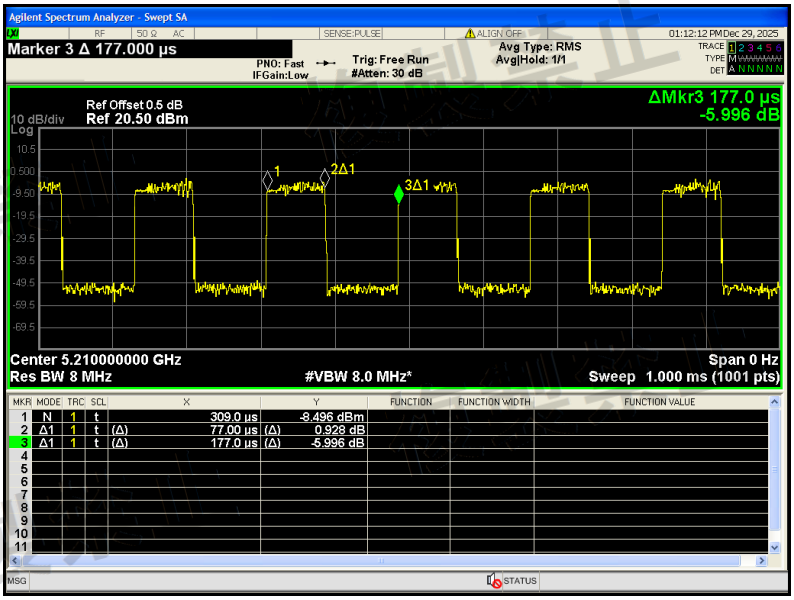
W52 802.11ax(HE20) Low channel



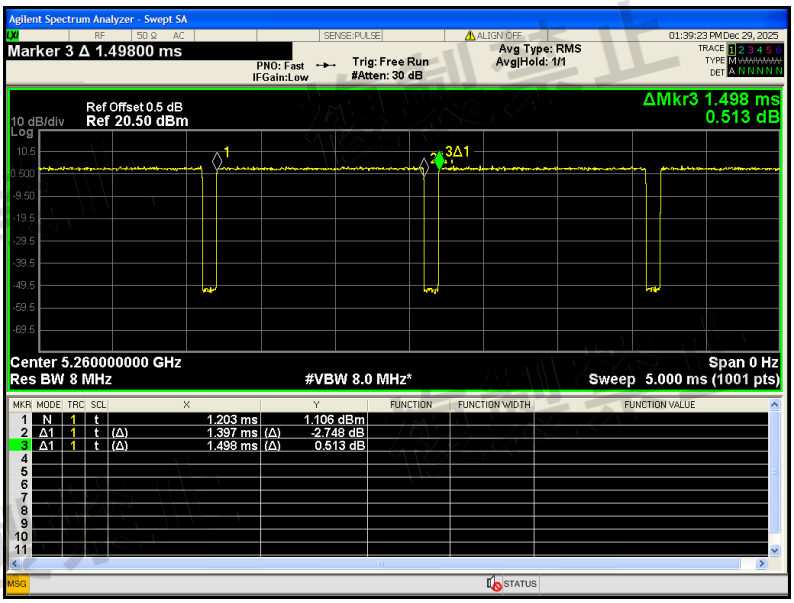
W52 802.11ax(HE40) Low channel



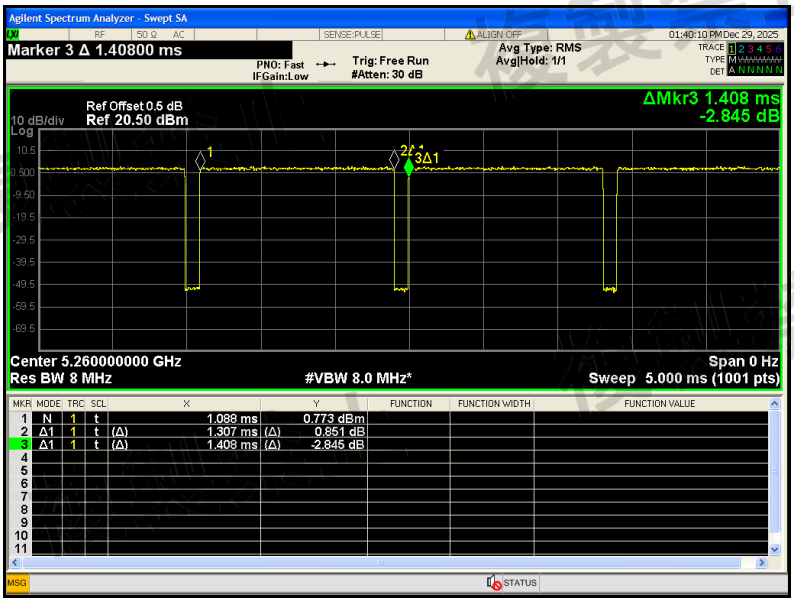
W52 802.11ax(HE80) Low channel



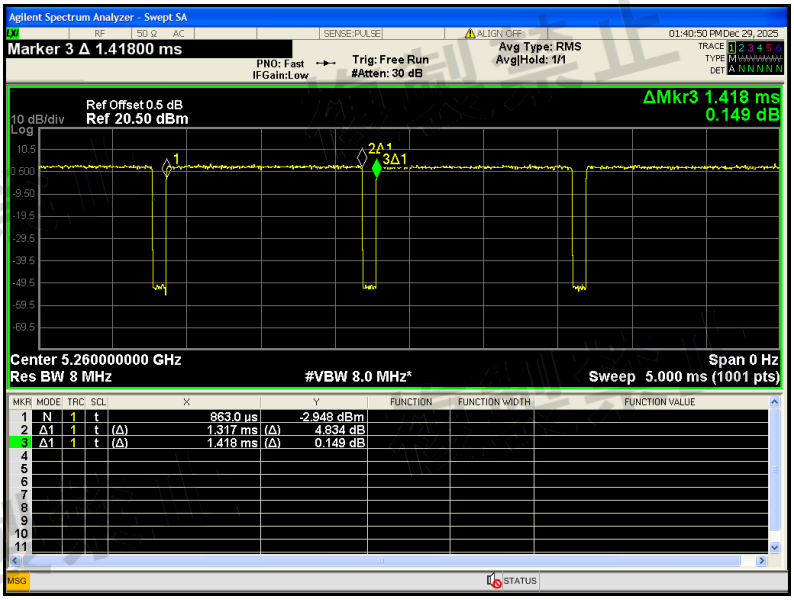
W53 802.11a Low channel



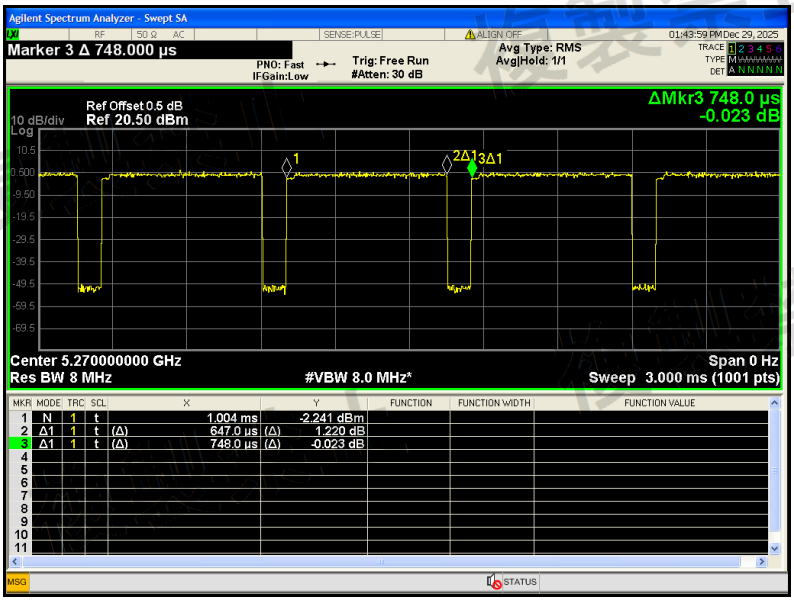
W53 802.11n-HT20 Low channel



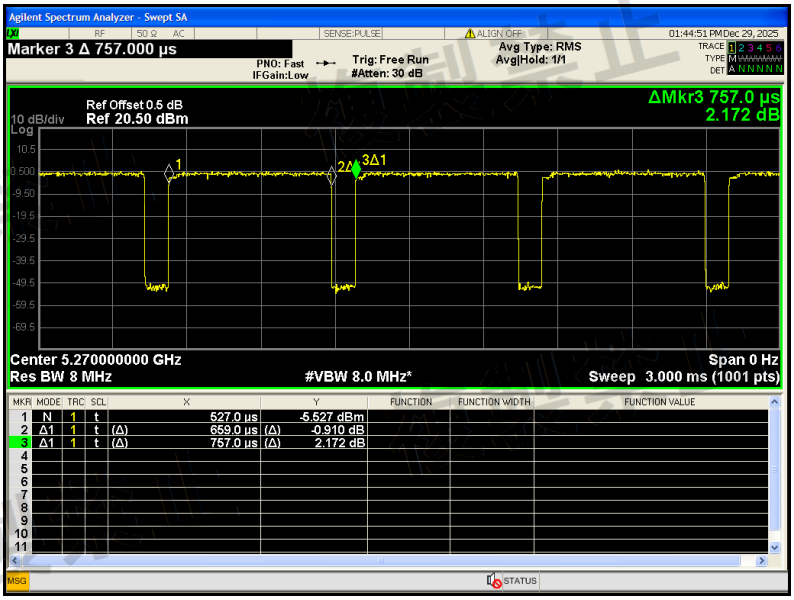
W53 802.11ac-VHT20 Low channel



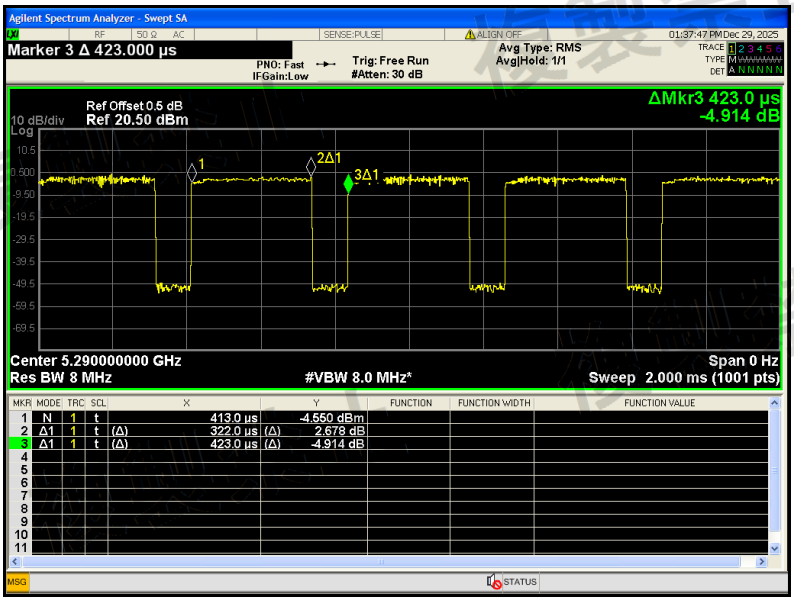
W53 802.11n-HT40 Low channel



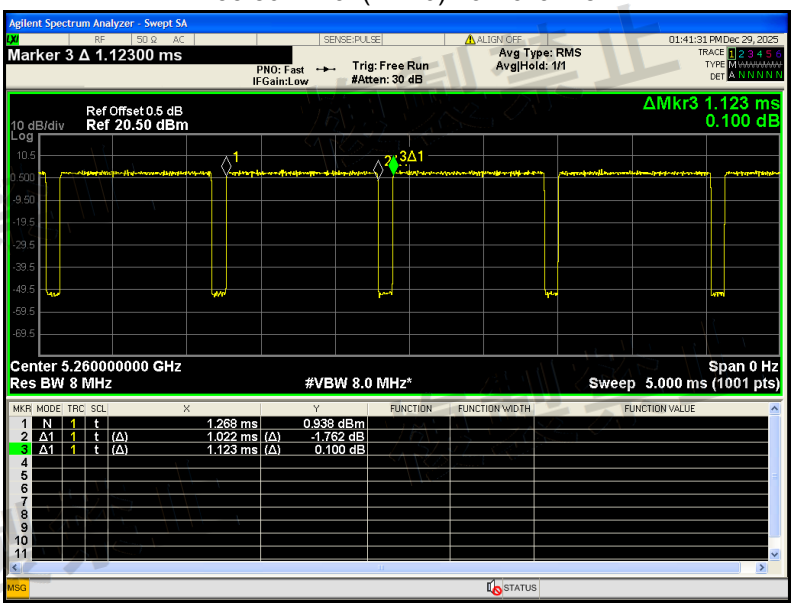
W53 802.11ac-VHT40 Low channel



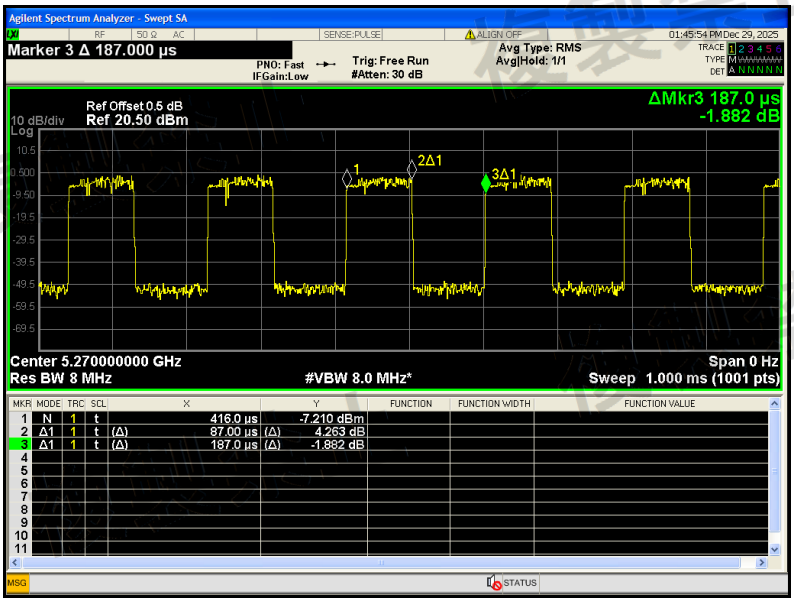
W53 802.11ac-VHT80 Low channel



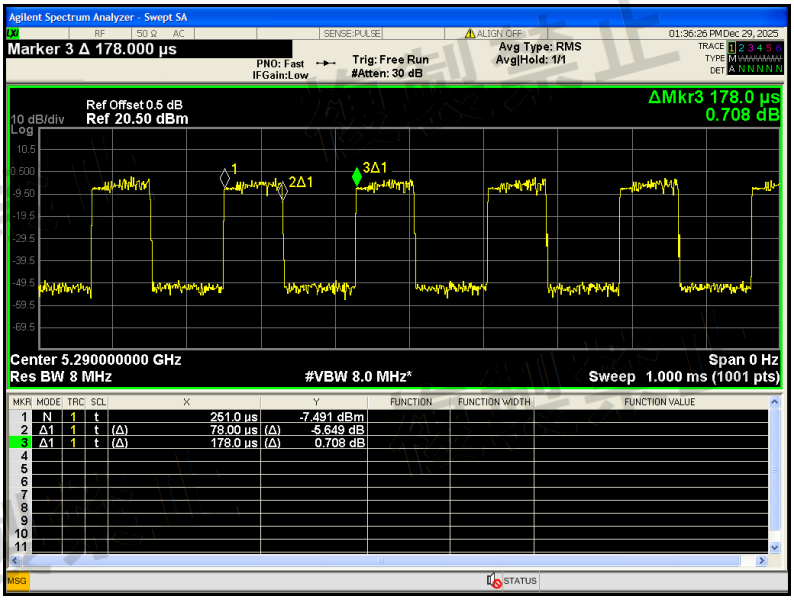
W53 802.11ax(HE20) Low channel



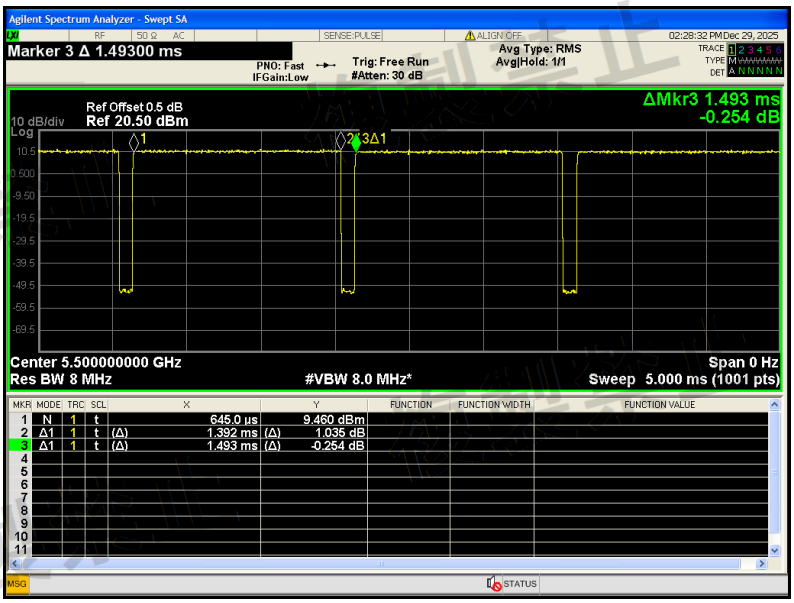
W53 802.11ax(HE40) Low channel



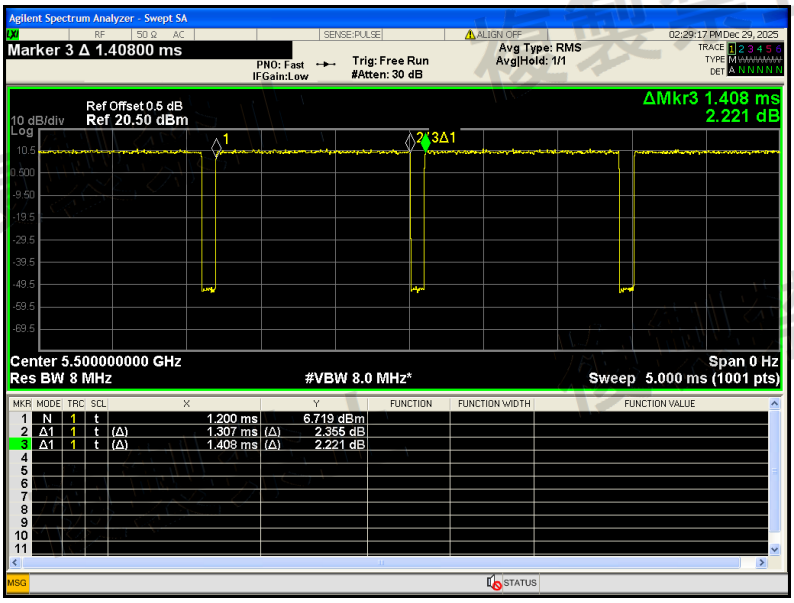
W53 802.11ax(HE80) Low channel



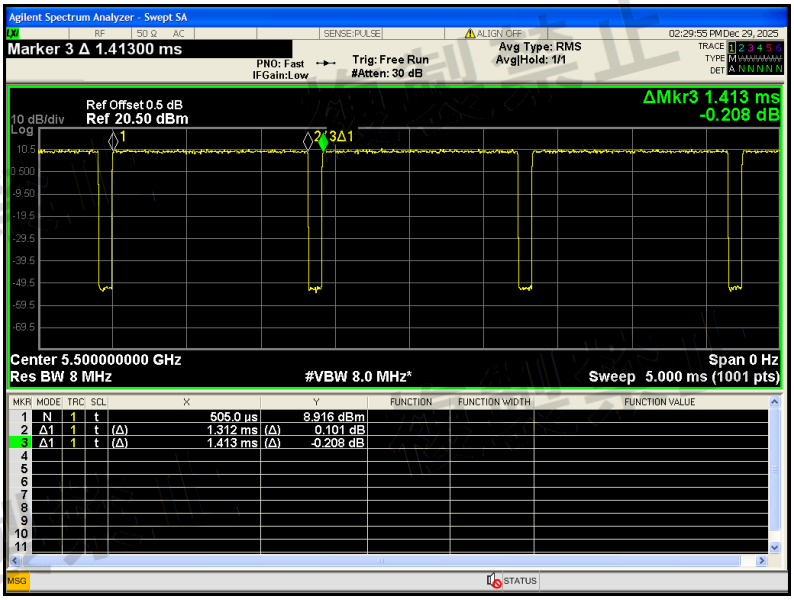
W56 802.11a Low channel



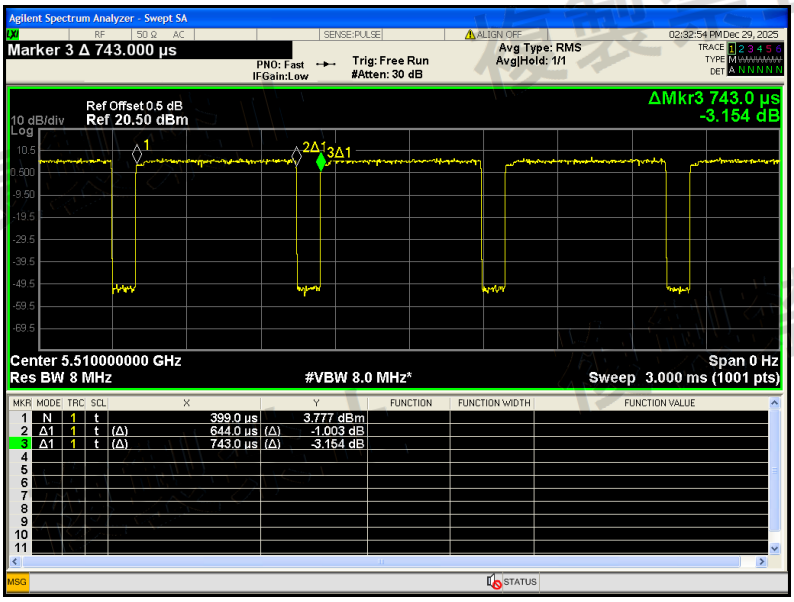
W56 802.11n-HT20 Low channel



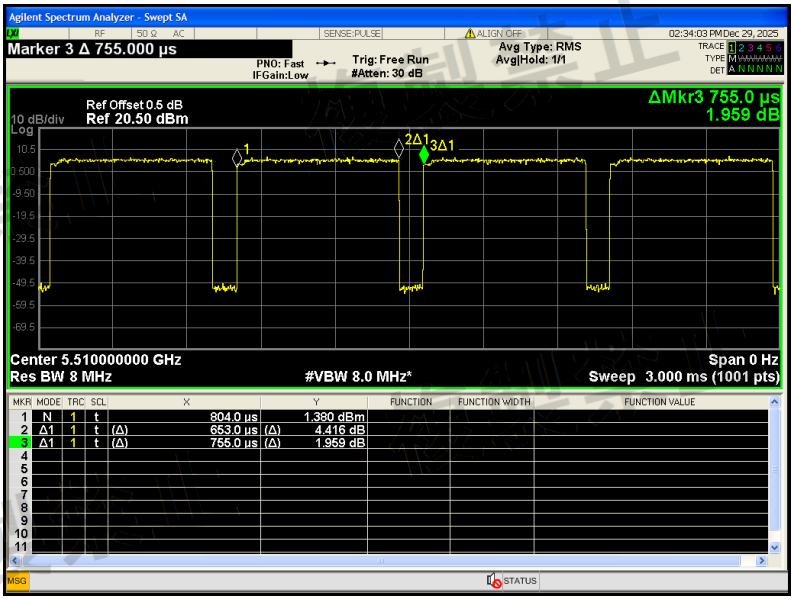
W56 802.11ac-VHT20 Low channel



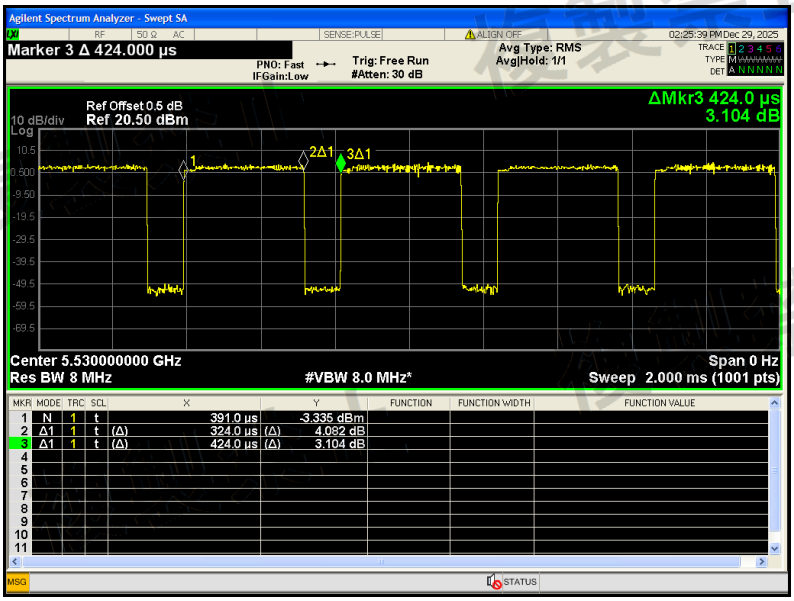
W56 802.11n-HT40 Low channel



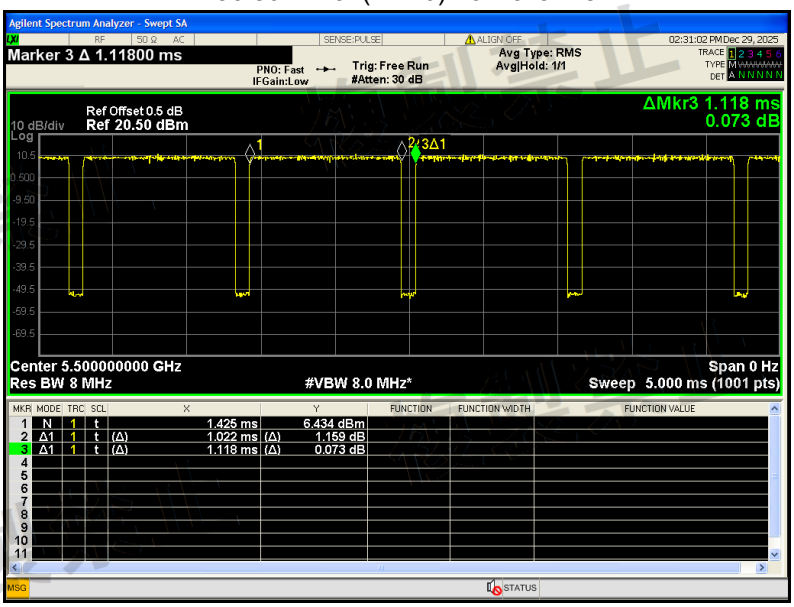
W56 802.11ac-VHT40 Low channel



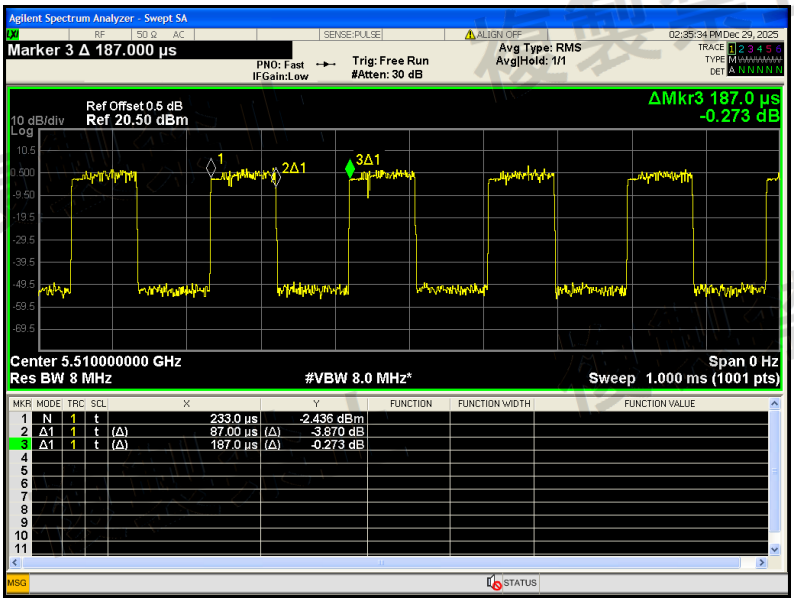
W56 802.11ac-VHT80 Low channel



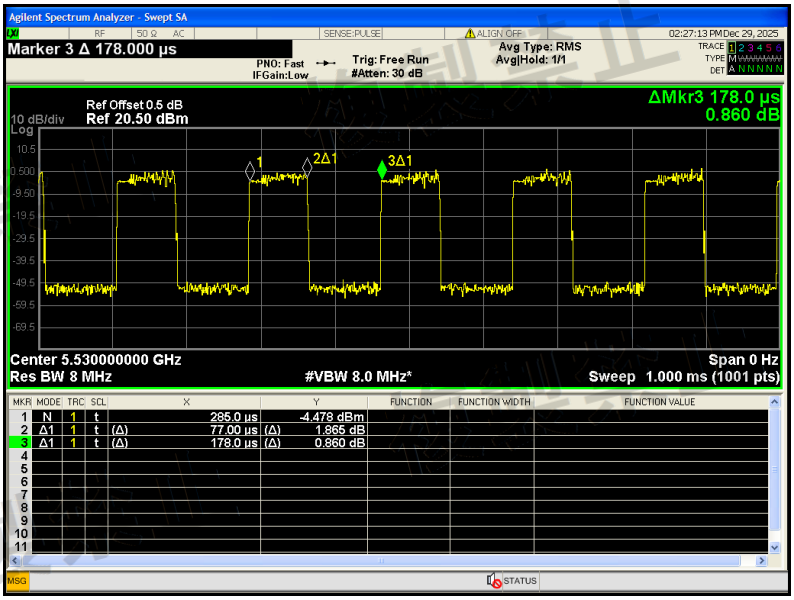
W56 802.11ax(HE20) Low channel



W56 802.11ax(HE40) Low channel



W56 802.11ax(HE80) Low channel



6.7 Unwanted Emissions Strength

6.7.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

6.7.2 Limit

According to Article 2-1-19-3, unwanted emission intensity of tolerance (tolerance defined by the average power of the unwanted emission for each frequency supplied to the feeder at the time of modulation) is as follows.

W52:

1, 20MHz system:

OBW: 18MHz or less

5,142 MHz or less: 2.5 μW/MHz (-26dBm/MHz);

5,142 - 5,150 MHz: 15 μW/MHz (-18dBm/MHz);

5,250 - 5,251 MHz: $10^{1-(f-9)}$mW/MHz (90dBm/MHz);

5,251 - 5,260 MHz: $10^{-1-(8/90)(f-11)}$mW/MHz (-8dBm/MHz);

5,260 - 5,266.7 MHz: $10^{-1.8-(6/50)(f-20)}$mW/MHz (-2dBm/MHz);

5,266.7 MHz or more: 2.5 μW/MHz (-26dBm/MHz);

f = MHz, Difference from 5240 (MHz);

2, 40MHz system:

5,141.6 MHz or less: 2.5 μW/MHz (-26dBm/MHz);

5,141.6 - 5,150 MHz: 15 μW/MHz (-18dBm/MHz);

5,250 - 5,251 MHz: $10^{-(f-20)+log(1/2)}$mW/MHz (193dBm/MHz);

5,251 - 5,270 MHz: $10^{-(8/190)(f-21)-1+log(1/2)}$mW/MHz (4dBm/MHz);

5,270 - 5,278.4 MHz: $10^{-(3/50)(f-40)-1.8+log(1/2)}$mW/MHz (40dBm/MHz);

5,278.4 MHz or more: 2.5 μW/MHz (-26dBm/MHz);

f = MHz, Difference from 5230 (MHz);

3, 80MHz system:

5,123.2 MHz or less: 2.5 μW/MHz (-26dBm/MHz);

5,123.2 - 5,150 MHz: 15 μW/MHz (-18dBm/MHz);

5,250 - 5,251 MHz: $10^{-(f-40)+log(1/4)}$mW/MHz (396dBm/MHz);

5,251 - 5,290 MHz: $10^{-(8/390)(f-41)-1+log(1/4)}$mW/MHz (16dBm/MHz);

5,290 - 5,296.7 MHz: $10^{-(3/100)(f-80)-1.8+log(1/4)}$mW/MHz (46dBm/MHz);

5,296.7 MHz or more: 2.5 μW/MHz (-26dBm/MHz);

4, 160MHz system:

5,099.6 MHz or less: 2.5 uW/MHz (-26dBm/MHz);

5,099.6 - 5,150 MHz: 15 uW/MHz (-18dBm/MHz);

5,350 - 5,400.4 MHz: 15 uW/MHz (-18dBm/MHz);

5,400.4 MHz or more: 2.5 uW/MHz (-26dBm/MHz);

W53:

1, 20MHz system:

OBW: 18MHz or less

5,233.3MHz or less: 2.5 μW/MHz(-26dBm/MHz);

5,233.3 - 5,240 MHz: $10^{-1.8-(6/50)(f-20)}$mW/MHz(-2dBm/MHz);

5,240 - 5,249 MHz: $10^{-1-(8/90)(f-11)}$mW/MHz(-8dBm/MHz);

5,249 - 5,250 MHz: $10^{1-(f-9)}$mW/MHz(90dBm/MHz);

5,350 MHz or more: 2.5 μW/MHz(-26dBm/MHz);

f = MHz, Difference from 5260 (MHz);

2, 40MHz system:

5,221.6 MHz or less: 2.5 μW/MHz(-26dBm/MHz);

5,221.6 - 5,230 MHz: $10^{-(3/50)(f-40)-1.8+\log(1/2)}$mW/MHz(40dBm/MHz);

5,230 - 5,249 MHz: $10^{-(8/190)(f-21)-1+\log(1/2)}$mW/MHz(14dBm/MHz);

5,249 - 5,250 MHz: $10^{-(f-20)+\log(1/2)}$mW/MHz(193dBm/MHz);

5,350 - 5,358.4 MHz: 15 μW/MHz(-18dBm/MHz);

5,358.4 MHz or more: 2.5 μW/MHz(-26dBm/MHz);

f = MHz, Difference from 5270 (MHz);

3, 80MHz system:

5,203.3 MHz or less: 2.5 μW/MHz(-26dBm/MHz);

5,203.3 - 5,210 MHz: $10^{-(3/100)(f-80)-1.8+\log(1/4)}$mW/MHz (46dBm/MHz);

5,210 - 5,249 MHz: $10^{-(8/390)(f-41)-1+\log(1/4)}$mW/MHz (16dBm/MHz);

5,249 - 5,250 MHz: $10^{-(f-40)+\log(1/4)}$mW/MHz (396dBm/MHz);

5,350 - 5,376.8 MHz: 15 μW/MHz (-18dBm/MHz);

5,376.8 MHz or more: 2.5 μW/MHz (-26dBm/MHz);

f = MHz, Difference from 5290 (MHz);

4, 160MHz system:

5,099.6 MHz or less: 2.5 uW/MHz (-26dBm/MHz);

5,099.6 - 5,150 MHz: 15 uW/MHz (-18dBm/MHz);

5,350 - 5,400.4 MHz: 15 uW/MHz (-18dBm/MHz);

5,400.4 MHz or more: 2.5 uW/MHz (-26dBm/MHz);

W56:

1, 20MHz system:

DSSS, etc.

5,470 MHz or less: 12.5 uW/MHz (-19dBm/MHz);

5,730 MHz or more: 12.5 uW/MHz (-19dBm/MHz);

OFDM:

5,460 MHz or less: 2.5 uW/MHz (-26dBm/MHz);

5,460 - 5,470 MHz: 12.5 uW/MHz (-19dBm/MHz);

5,745 - 5,765 MHz: 12.5 uW/MHz (-19dBm/MHz);

Over 5,765 MHz: 2.5 uW/MHz (-26dBm/MHz);

2, 40MHz system:

5,460 MHz or less: 12.5 uW/MHz (-19dBm/MHz);

5,460 - 5,470 MHz: 50 uW/MHz (-13dBm/MHz);

5,770 MHz or more: 12.5 uW/MHz (-19dBm/MHz);

3, 80MHz system:

5,460 MHz or less: 12.5 uW/MHz (-19dBm/MHz);

5,460 - 5,469.5 MHz: 50 uW/MHz (-13dBm/MHz);

5,469.5 - 5,470 MHz: 51.2 uW/MHz (-13dBm/MHz);

5,770 MHz or more: 12.5 uW/MHz (-19dBm/MHz);

4, 160MHz system:

5,419.6 MHz or less: 12.5 uW/MHz (-19dBm/MHz);

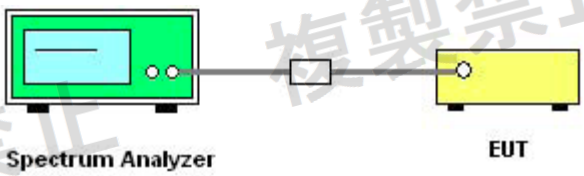
5,419.6 - 5,470 MHz: 50 uW/MHz (-13dBm/MHz);

5,725 MHz or more: 12.5 uW/MHz (-19dBm/MHz);

6.7.3 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

6.7.4 Test Setup



6.7.5 Test Procedures

1. EUT have transmitted the maximum modulation signal and fixed Channelize.
2. Setting of SA is following as: RBW: 1MHz / VBW: 1MHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak /Trace mode: Max hold.
3. Using the Spurious Emissions function of SA, setting the limit line and frequency as the limit table,
4. When the trace completed, compared with limit, and saved the plots;

Repeat above steps for applicable test frequencies, Channel bandwidths.

6.7.6 Test Result

ANT 1 + ANT 2(Only record the worst case):

Modulation	Channel	Test Mode	Test Result
802.11a	Low	Transmitting	PASS
	Middle	Transmitting	PASS
	High	Transmitting	PASS
802.11n-HT20	Low	Transmitting	PASS
	Middle	Transmitting	PASS
	High	Transmitting	PASS
802.11ac-VHT20	Low	Transmitting	PASS
	Middle	Transmitting	PASS
	High	Transmitting	PASS
802.11ax-HE20	Low	Transmitting	PASS
	Middle	Transmitting	PASS
	High	Transmitting	PASS
802.11n-HT40	Low	Transmitting	PASS
	High	Transmitting	PASS
802.11ac-VHT40	Low	Transmitting	PASS
	High	Transmitting	PASS
802.11ax-HE40	Low	Transmitting	PASS
	High	Transmitting	PASS
802.11ac-VHT80	Low	Transmitting	PASS
802.11ax-HE80	Low	Transmitting	PASS

Unwanted emissions:

W52:

Modulation	Channel	Band (GHz)	Frequency (GHz)	Max EIRP Value (dBm)	Max EIRP Value (μW/MHz)	EIRP Limit (μW/MHz)
802.11a	Low	0.03-5.142	5.142	-41.748	0.067	2.5
		5.2667-26	25.736	-44.167	0.038	2.5
	Middle	0.03-5.142	5.142	-50.640	0.009	2.5
		5.2667-26	25.714	-44.760	0.033	2.5
	High	0.03-5.142	4.881	-54.961	0.003	2.5
		5.2667-26	5.267	-42.930	0.051	2.5
802.11n-HT20	Low	0.03-5.142	5.137	-43.008	0.050	2.5
		5.2667-26	25.714	-44.964	0.032	2.5
	Middle	0.03-5.142	5.142	-52.097	0.006	2.5
		5.2667-26	25.714	-44.739	0.034	2.5
	High	0.03-5.142	3.573	-54.867	0.003	2.5
		5.2667-26	5.267	-42.842	0.052	2.5
802.11ac-VHT20	Low	0.03-5.142	5.142	-41.344	0.073	2.5
		5.2667-26	25.757	-44.544	0.035	2.5
	Middle	0.03-5.142	5.137	-52.396	0.006	2.5
		5.2667-26	25.736	-44.934	0.032	2.5
	High	0.03-5.142	3.332	-54.610	0.003	2.5
		5.2667-26	25.736	-44.505	0.035	2.5
802.11ax-HE20	Low	0.03-5.142	5.142	-43.111	0.049	2.5
		5.2667-26	25.417	-44.945	0.032	2.5
	Middle	0.03-5.142	5.137	-52.556	0.006	2.5
		5.2667-26	25.736	-44.493	0.036	2.5
	High	0.03-5.142	2.530	-54.976	0.003	2.5
		5.2667-26	25.736	-44.775	0.033	2.5
802.11n-HT40	Low	0.03-5.1416	5.142	-33.617	0.435	2.5
		5.1784-26	25.439	-44.694	0.034	2.5
	High	0.03-5.1416	5.142	-45.077	0.031	2.5
		5.1784-26	5.278	-38.226	0.150	2.5
802.11ac-VHT40	Low	0.03-5.1416	5.142	-36.583	0.220	2.5
		5.1784-26	25.736	-44.387	0.036	2.5
	High	0.03-5.1416	5.136	-45.226	0.030	2.5
		5.1784-26	5.278	-37.606	0.174	2.5
802.11ax-HE40	Low	0.03-5.1416	4.017	-55.099	0.003	2.5
		5.1784-26	25.715	-44.710	0.034	2.5
	High	0.03-5.1416	3.986	-54.832	0.003	2.5
		5.1784-26	25.736	-44.800	0.033	2.5
802.11ac-VHT80	Low	0.03-5.1232	5.123	-41.379	0.073	2.5
		5.2967-26	5.2967	-43.784	0.042	2.5
802.11ax-HE80	Low	0.03-5.1232	3.993	-54.664	0.003	2.5
		5.2967-26	25.715	-43.948	0.040	2.5

W53:

Modulation	Channel	Band (GHz)	Frequency (GHz)	Max EIRP Value (dBm)	Max EIRP Value (μW/MHz)	EIRP Limit (μW/MHz)
802.11a	Low	0.03-5.2333	5.233	-54.442	0.004	2.5
		5.35-26	25.717	-44.536	0.035	2.5
	Middle	0.03-5.2333	2.517	-54.761	0.003	2.5
		5.35-26	25.696	-44.839	0.033	2.5
	High	0.03-5.2333	5.192	-53.922	0.004	2.5
		5.35-26	25.717	-44.885	0.032	2.5
802.11n-HT20	Low	0.03-5.2333	5.223	-54.400	0.004	2.5
		5.35-26	25.717	-44.723	0.034	2.5
	Middle	0.03-5.2333	2.366	-54.906	0.003	2.5
		5.35-26	25.717	-44.497	0.036	2.5
	High	0.03-5.2333	3.605	-54.456	0.004	2.5
		5.35-26	25.760	-44.814	0.033	2.5
802.11ac-VHT20	Low	0.03-5.2333	5.228	-52.281	0.006	2.5
		5.35-26	25.739	-44.999	0.032	2.5
	Middle	0.03-5.2333	5.192	-54.066	0.004	2.5
		5.35-26	25.696	-44.349	0.037	2.5
	High	0.03-5.2333	3.610	-54.995	0.003	2.5
		5.35-26	25.717	-44.504	0.035	2.5
802.11ax-HE20	Low	0.03-5.2333	5.233	-54.180	0.004	2.5
		5.35-26	25.739	-44.652	0.034	2.5
	Middle	0.03-5.2333	3.979	-54.546	0.004	2.5
		5.35-26	25.760	-44.544	0.035	2.5
	High	0.03-5.2333	2.689	-55.113	0.003	2.5
		5.35-26	25.739	-44.803	0.033	2.5
802.11n-HT40	Low	0.03-5.2216	5.216	-48.720	0.013	2.5
		5.3584-26	25.718	-44.876	0.033	2.5
	High	0.03-5.2216	3.109	-54.834	0.003	2.5
		5.3584-26	25.739	-44.339	0.037	2.5
802.11ac-VHT40	Low	0.03-5.2216	5.216	-49.341	0.012	2.5
		5.3584-26	25.739	-44.539	0.035	2.5
	High	0.03-5.2216	4.837	-55.117	0.003	2.5
		5.3584-26	25.718	-44.429	0.036	2.5
802.11ax-HE40	Low	0.03-5.2216	2.647	-54.453	0.004	2.5
		5.3584-26	25.485	-44.371	0.037	2.5
	High	0.03-5.2216	2.480	-54.914	0.003	2.5
		5.3584-26	25.739	-44.539	0.035	2.5
802.11ac-VHT80	Low	0.03-5.2033	5.198	-46.639	0.022	2.5
		5.3768-26	25.740	-44.776	0.033	2.5
802.11ax-HE80	Low	0.03-5.2033	5.188	-52.236	0.006	2.5
		5.3768-26	25.761	-44.626	0.034	2.5

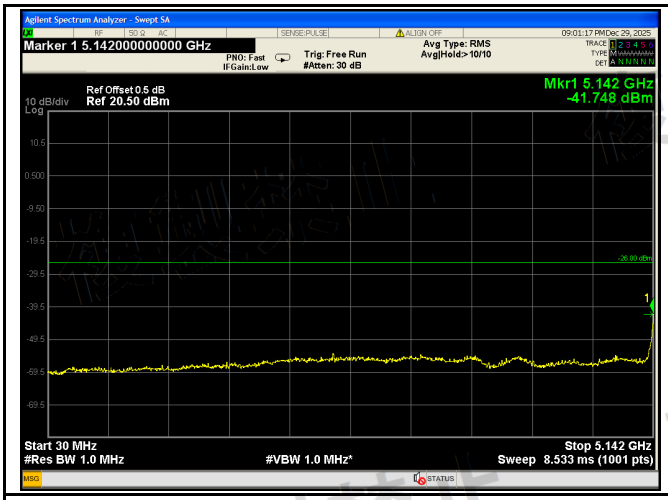
W56:

Modulation	Channel	Band (GHz)	Frequency (GHz)	Max EIRP Value (dBm)	Max EIRP Value (μW/MHz)	EIRP Limit (μW/MHz)
802.11a	Low	0.03-5.46	5.460	-44.751	0.033	12.5
		5.765-26	25.712	-44.357	0.037	12.5
	Middle	0.03-5.46	3.098	-54.649	0.003	12.5
		5.765-26	25.712	-44.615	0.035	12.5
	High	0.03-5.46	3.988	-54.668	0.003	12.5
		5.765-26	25.754	-44.635	0.034	12.5
802.11n-HT20	Low	0.03-5.46	5.46	-40.131	0.097	12.5
		5.765-26	25.712	-44.722	0.034	12.5
	Middle	0.03-5.46	2.506	-54.870	0.003	12.5
		5.765-26	25.691	-44.620	0.035	12.5
	High	0.03-5.46	2.169	-55.045	0.003	12.5
		5.765-26	25.754	-44.517	0.035	12.5
802.11ac-VHT20	Low	0.03-5.46	5.460	-38.696	0.135	12.5
		5.765-26	25.463	-44.982	0.032	12.5
	Middle	0.03-5.46	4.010	-54.821	0.003	12.5
		5.765-26	25.733	-44.424	0.036	12.5
	High	0.03-5.46	2.680	-54.869	0.003	12.5
		5.765-26	25.422	-44.620	0.035	12.5
802.11ax-HE20	Low	0.03-5.46	5.46	-39.099	0.123	12.5
		5.765-26	25.754	-44.620	0.035	12.5
	Middle	0.03-5.46	5.449	-53.523	0.004	12.5
		5.765-26	25.733	-44.275	0.037	12.5
	High	0.03-5.46	5.335	-54.850	0.003	12.5
		5.765-26	25.733	-44.809	0.033	12.5
802.11n-HT40	Low	0.03-5.46	5.460	-35.131	0.307	12.5
		5.77-26	25.754	-44.693	0.034	12.5
	Middle	0.03-5.46	5.460	-50.574	0.009	12.5
		5.77-26	25.733	-44.830	0.033	12.5
	High	0.03-5.46	3.988	-54.925	0.003	12.5
		5.77-26	25.733	-44.073	0.039	12.5
802.11ac-VHT40	Low	0.03-5.46	5.460	-35.049	0.313	12.5
		5.77-26	25.692	-44.494	0.036	12.5
	Middle	0.03-5.46	5.460	-48.663	0.014	12.5
		5.77-26	25.733	-44.592	0.035	12.5
	High	0.03-5.46	2.647	-55.002	0.003	12.5
		5.77-26	25.484	-44.643	0.034	12.5
802.11ax-HE40	Low	0.03-5.46	5.460	-51.282	0.007	12.5
		5.77-26	25.774	-44.651	0.034	12.5
	Middle	0.03-5.46	3.093	-54.012	0.004	12.5
		5.77-26	25.712	-44.797	0.033	12.5
	High	0.03-5.46	2.544	-54.319	0.004	12.5
		5.77-26	25.733	-44.503	0.035	12.5
802.11ac-	Low	0.03-5.46	5.460	-31.635	0.686	12.5

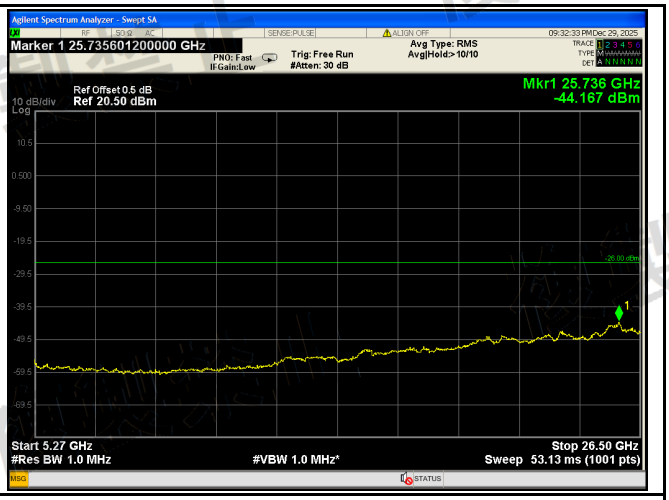
VHT80		5.77-26	25.795	-44.436	0.036	12.5
	High	0.03-5.46	5.455	-43.270	0.047	12.5
		5.77-26	25.733	-44.830	0.033	12.5
802.11ax-HE80	Low	0.03-5.46	5.460	-48.954	0.013	12.5
		5.77-26	25.733	-44.893	0.032	12.5
	High	0.03-5.46	5.438	-54.042	0.004	12.5
		5.77-26	25.733	-44.631	0.034	12.5

Test Plots:

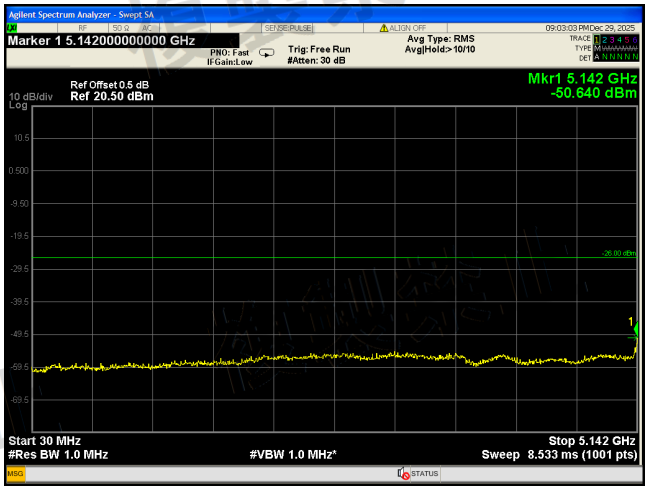
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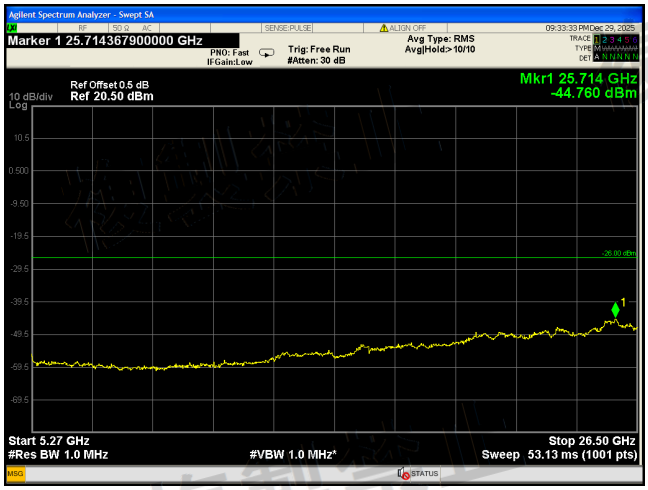
802.11a Low CH 30MHz-5142MHz



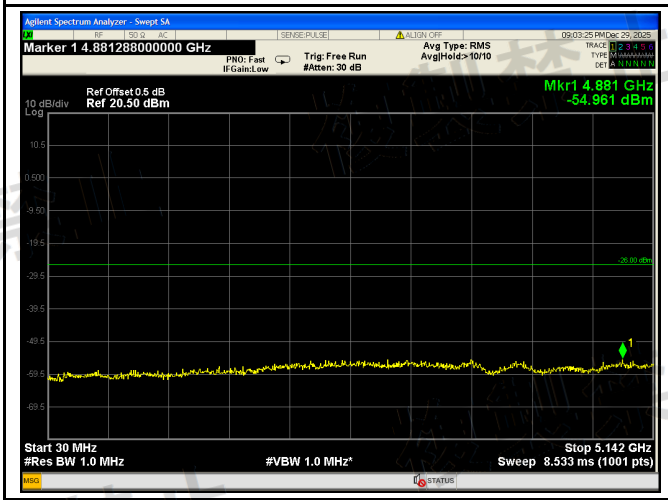
802.11a Low CH 5266.7MHz-26GHz



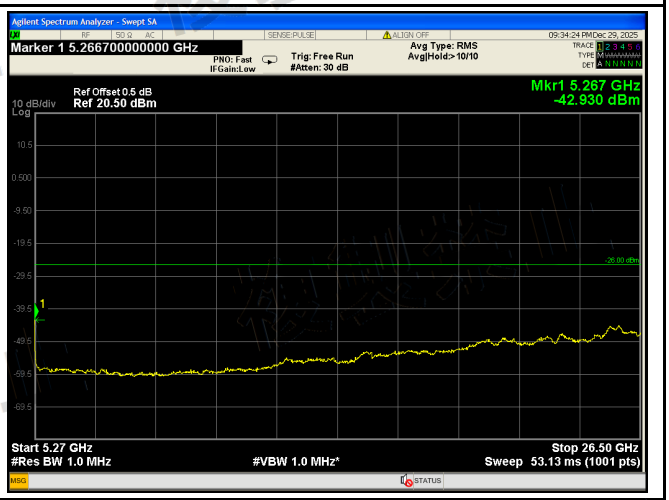
802.11a Middle CH 30MHz-5142MHz



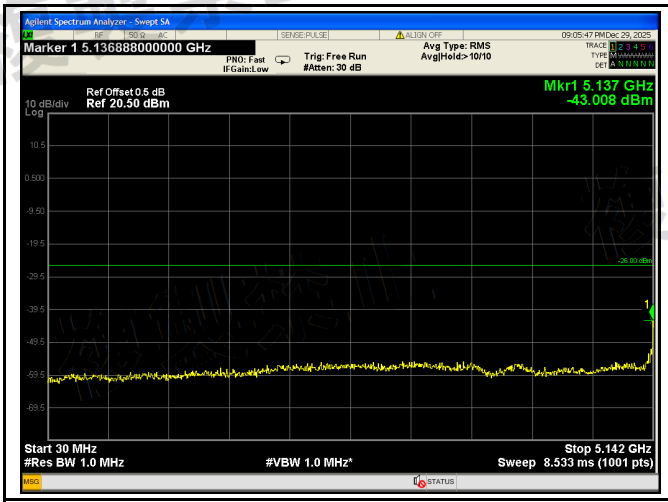
802.11a Middle CH 5266.7MHz-26GHz



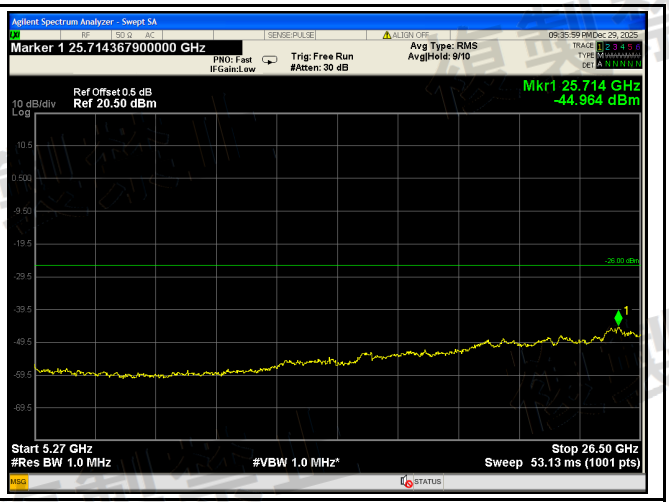
802.11a High CH 30MHz-5142MHz



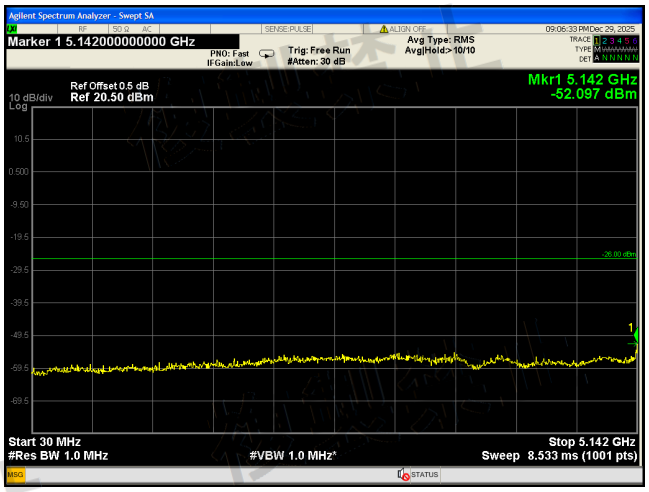
802.11a High CH 5266.7MHz-26GHz



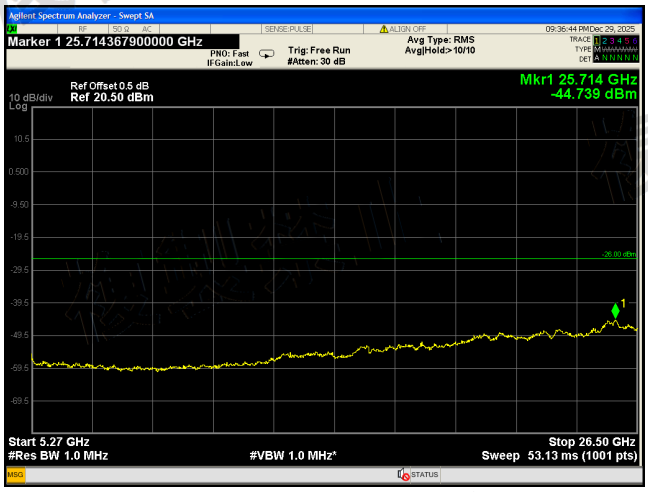
802.11n HT20 Low CH 30MHz-5142MHz



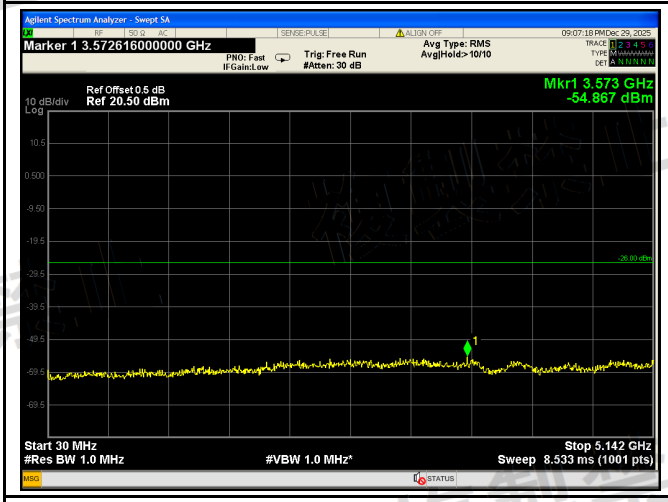
802.11n HT20 Low CH 5266.7MHz-26GHz



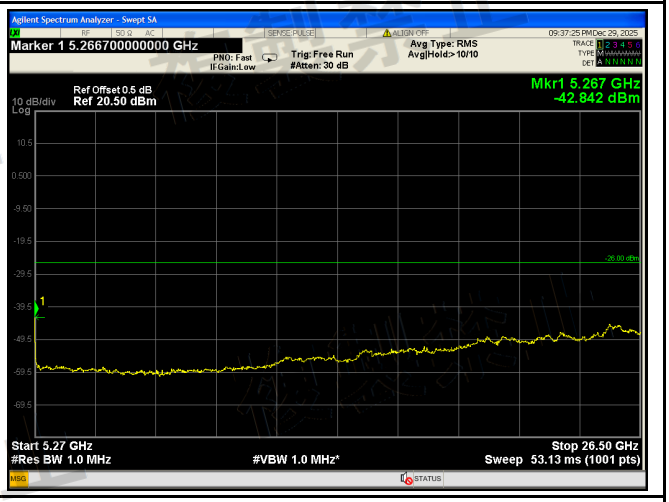
802.11n HT20 Middle CH 30MHz-5142MHz



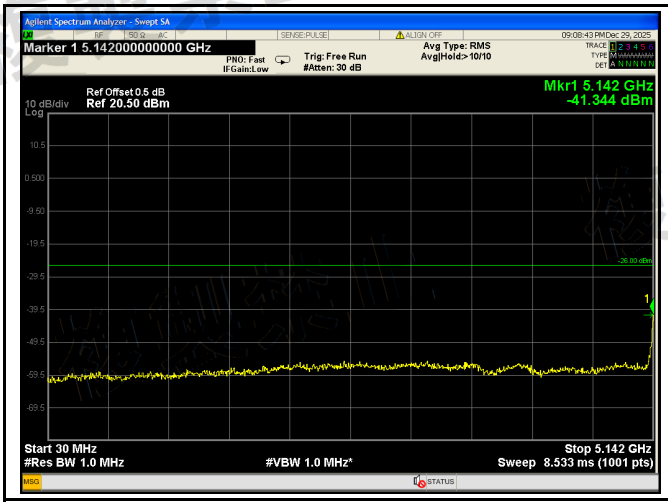
802.11n HT20 Middle CH 5266.7MHz-26GHz



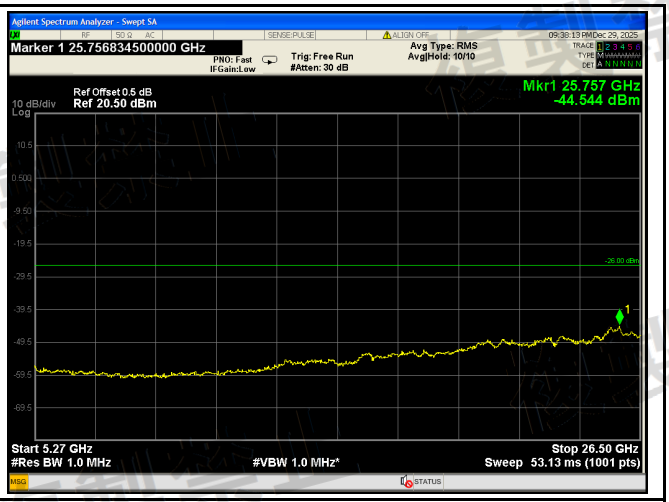
802.11n HT20 High CH 30MHz-5142MHz



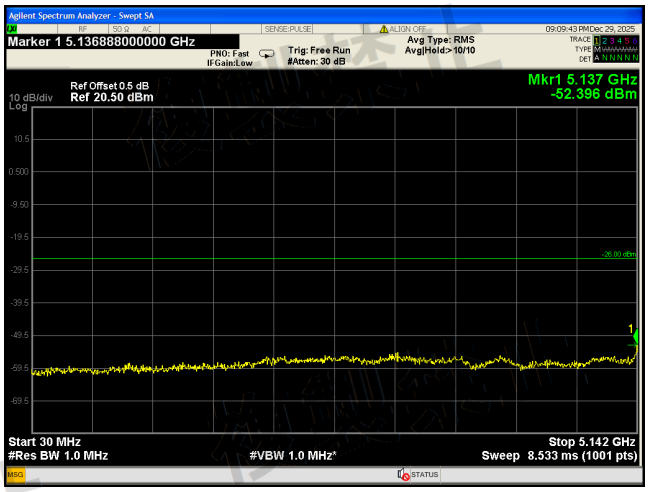
802.11n HT20 High CH 5266.7MHz-26GHz



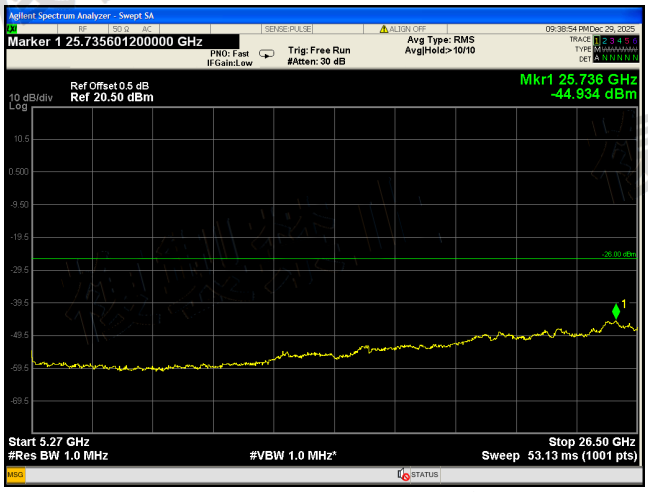
802.11ac VHT20 Low CH 30MHz-5142MHz



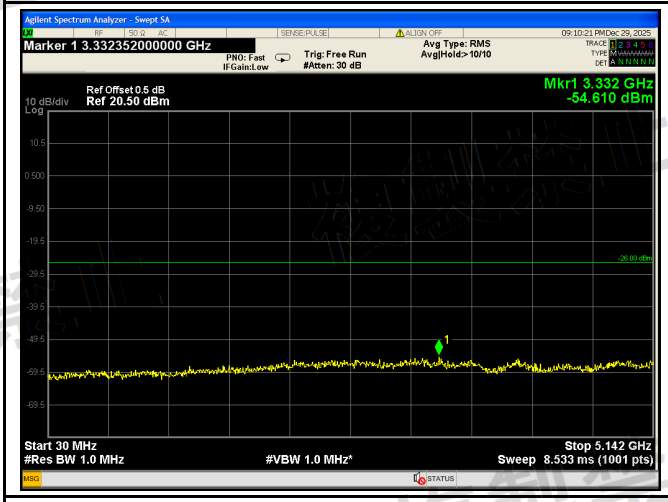
802.11ac VHT20 Low CH 5266.7MHz-26GHz



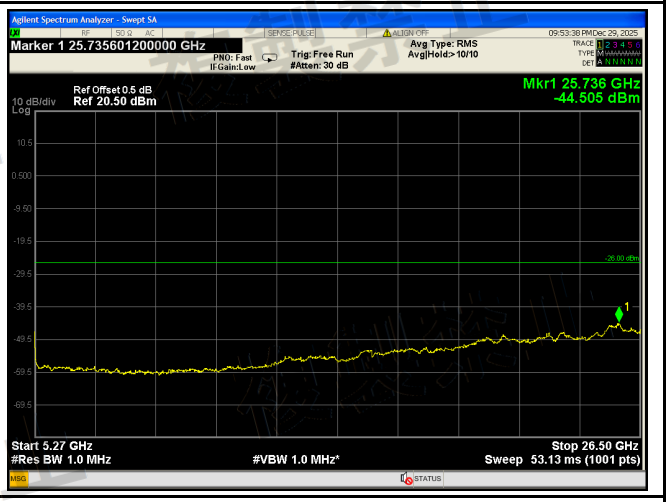
802.11ac VHT20 Middle CH 30MHz-5142MHz



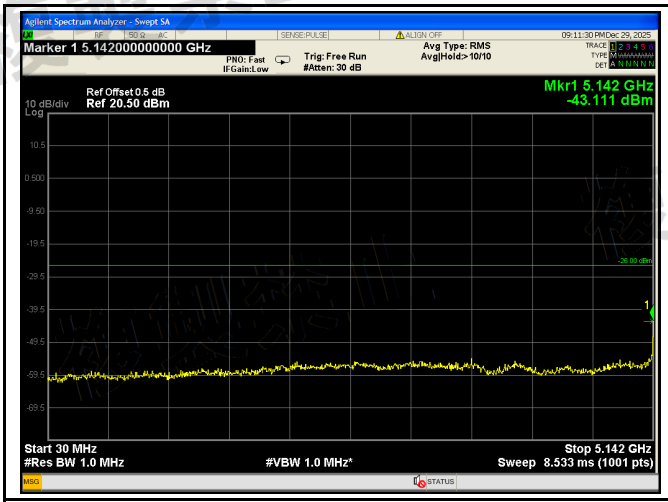
802.11ac VHT20 Middle CH 5266.7MHz-26GHz



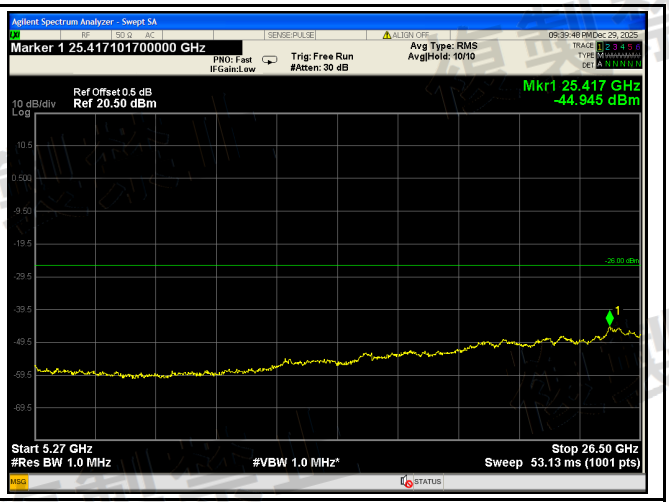
802.11ac VHT20 High CH 30MHz-5142MHz



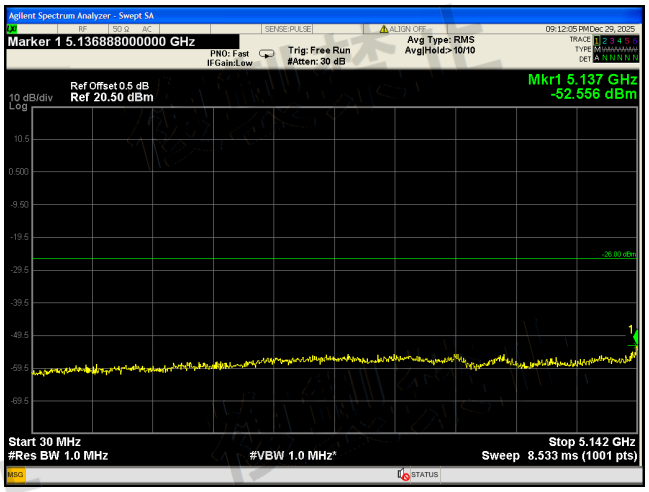
802.11ac VHT20 High CH 5266.7MHz-26GHz



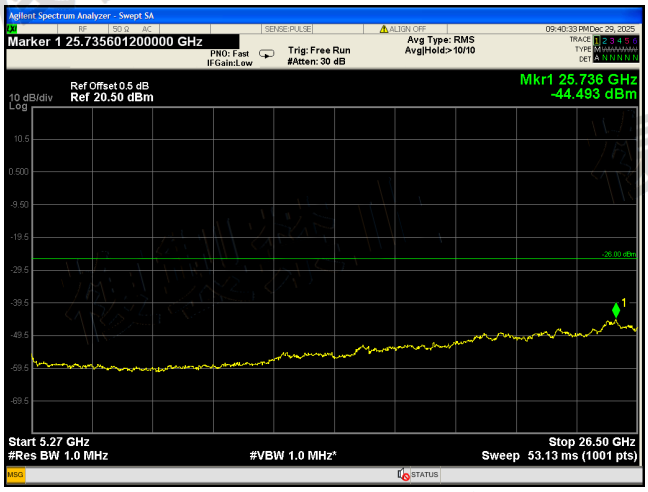
802.11ax HE20 Low CH 30MHz-5142MHz



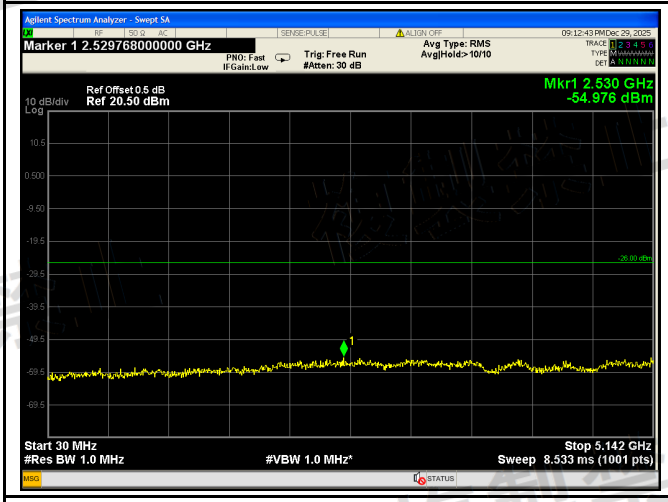
802.11ax HE20 Low CH 5266.7MHz-26GHz



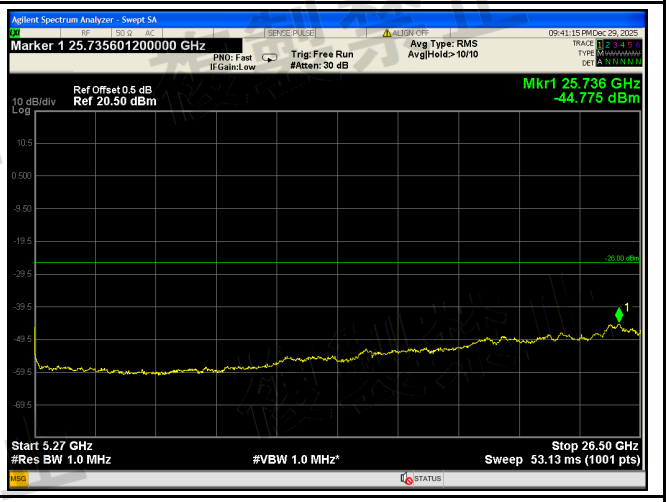
802.11ax HE20 Middle CH 30MHz-5142MHz



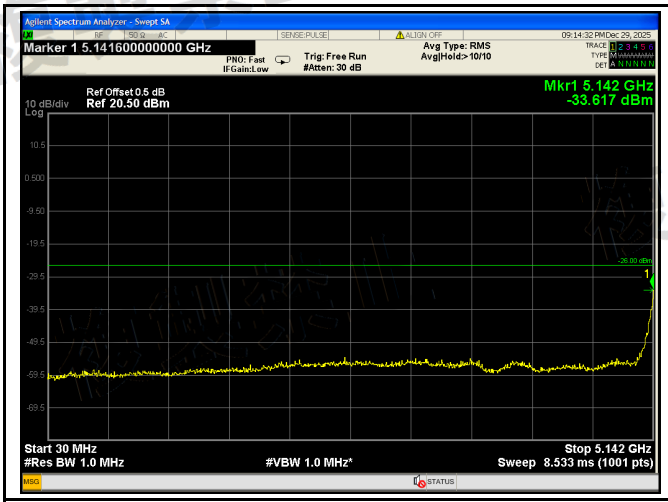
802.11ax HE20 Middle CH 5266.7MHz-26GHz



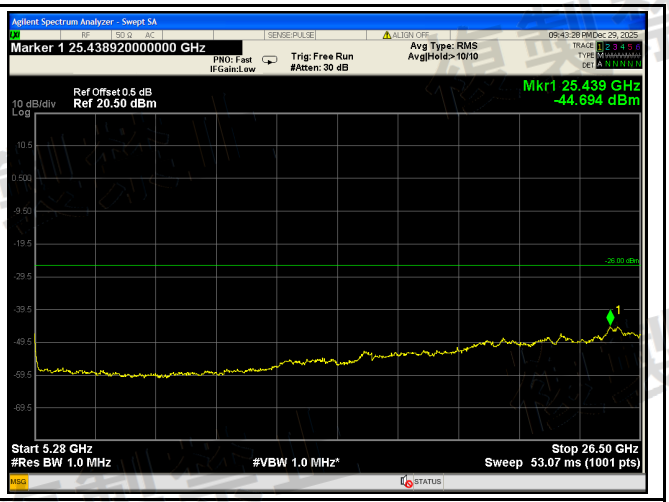
802.11ax HE20 High CH 30MHz-5142MHz



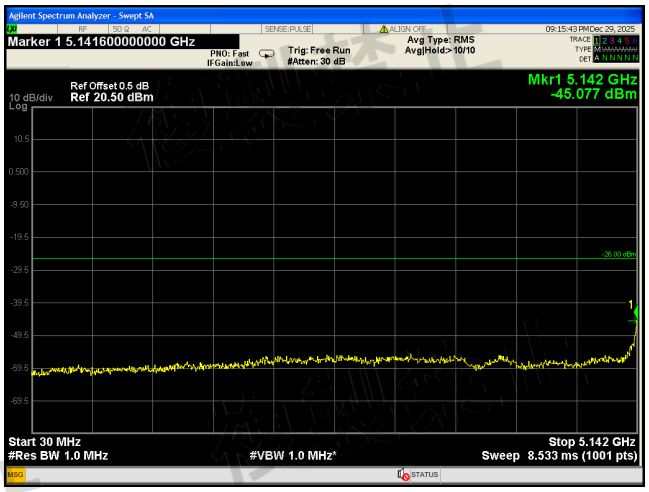
802.11ax HE20 High CH 5266.7MHz-26GHz



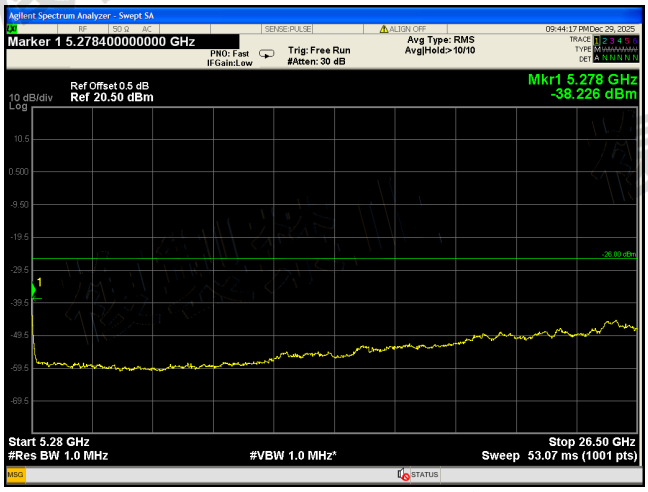
802.11n HT40 Low CH 30MHz-5141.6MHz



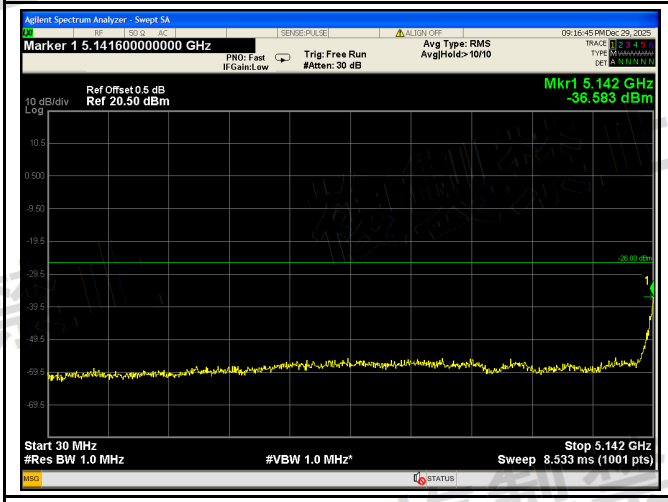
802.11n HT40 Low CH 5278.4MHz-26GHz



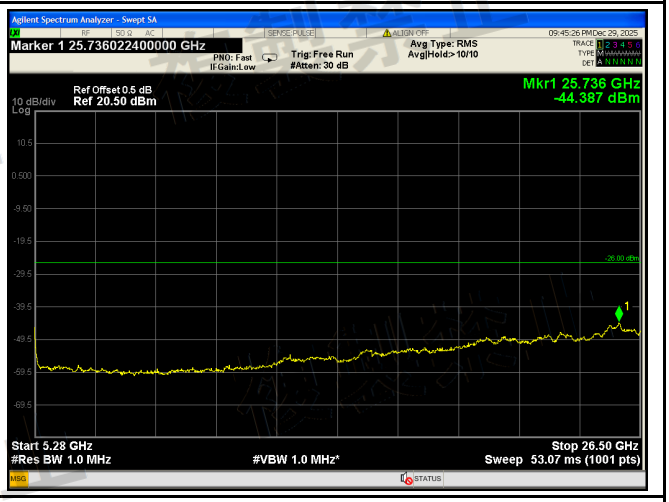
802.11n HT40 High CH 30MHz-5141.6MHz



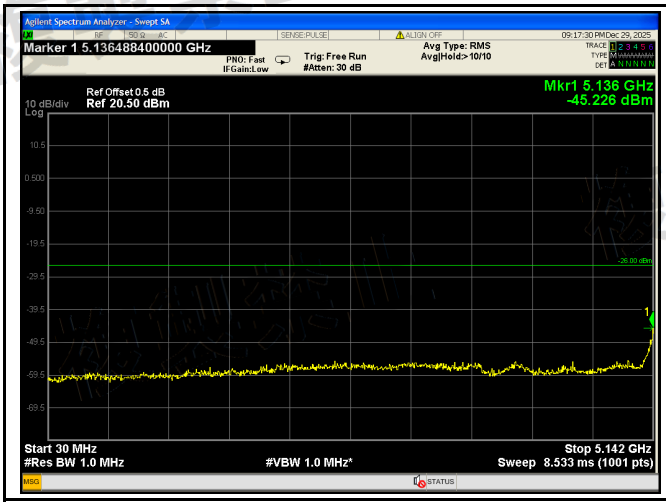
802.11n HT40 High CH 5278.4MHz-26GHz



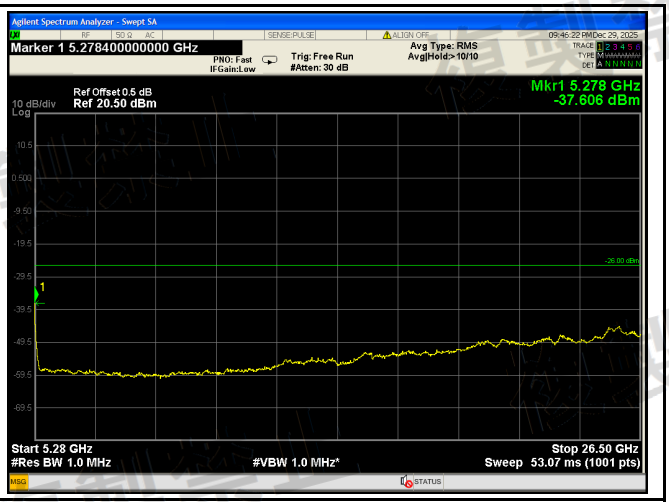
802.11ac VHT40 Low CH 30MHz-5141.6MHz



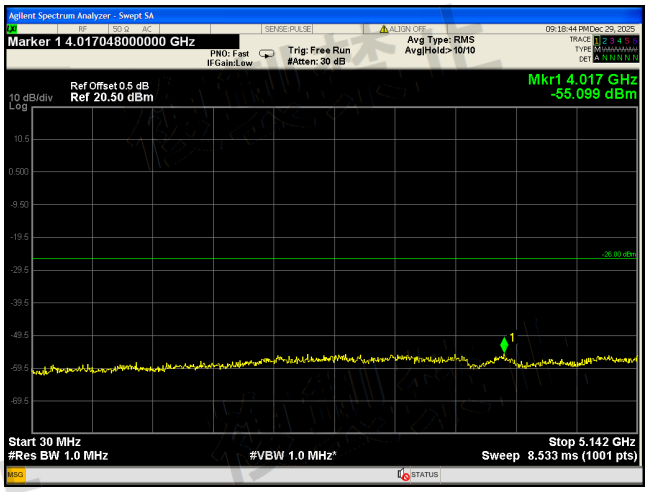
802.11ac VHT40 Low CH 5278.4MHz-26GHz



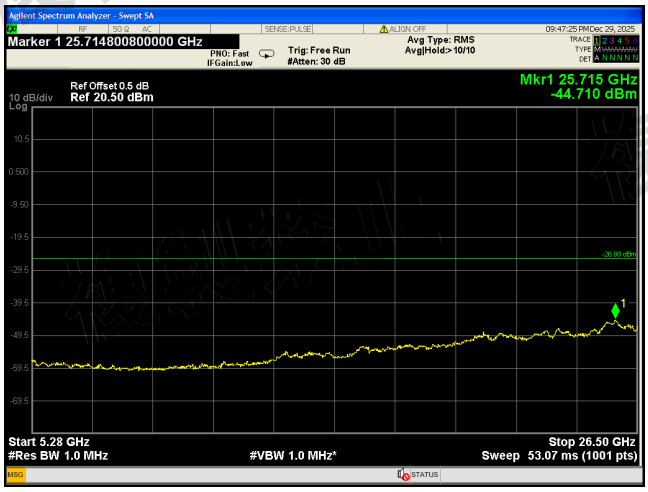
802.11ac VHT40 High CH 30MHz-5141.6MHz



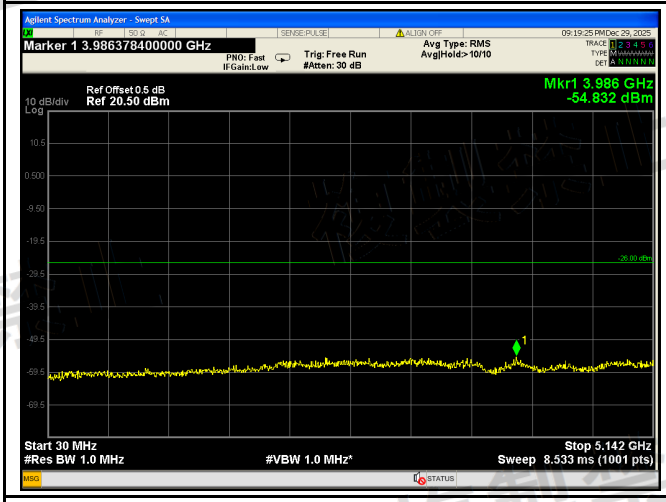
802.11ac VHT40 High CH 5278.4MHz-26GHz



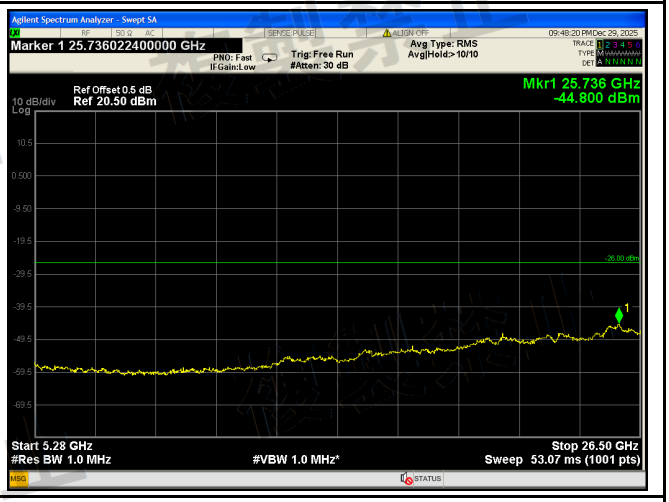
802.11ax HE40 Low CH 30MHz-5141.6MHz



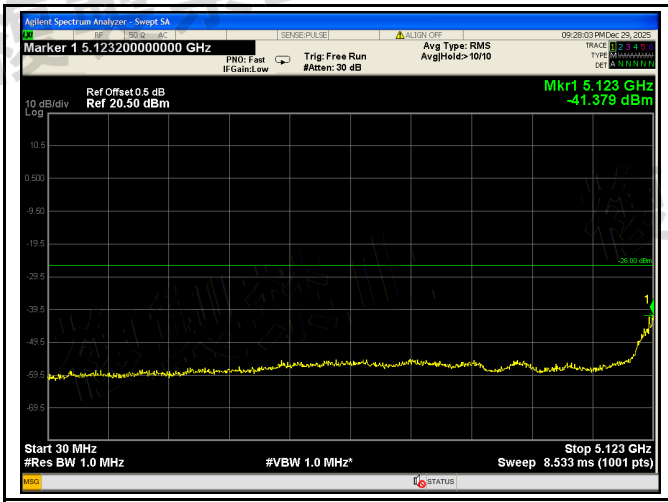
802.11ax HE40 Low CH 5278.4MHz-26GHz



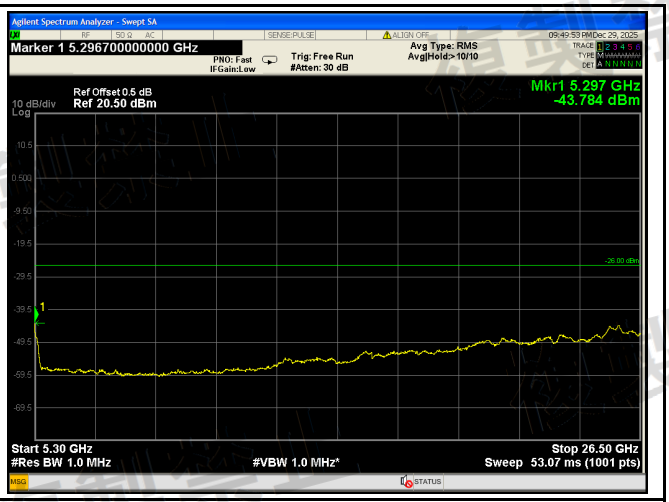
802.11ax HE40 High CH 30MHz-5141.6MHz



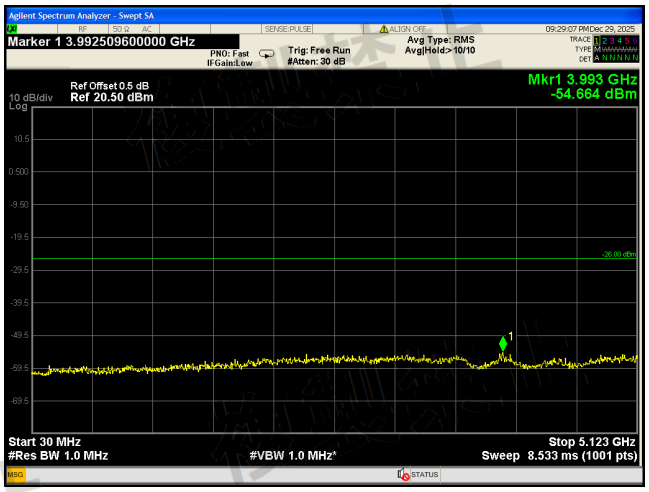
802.11ax HE40 High CH 5278.4MHz-26GHz



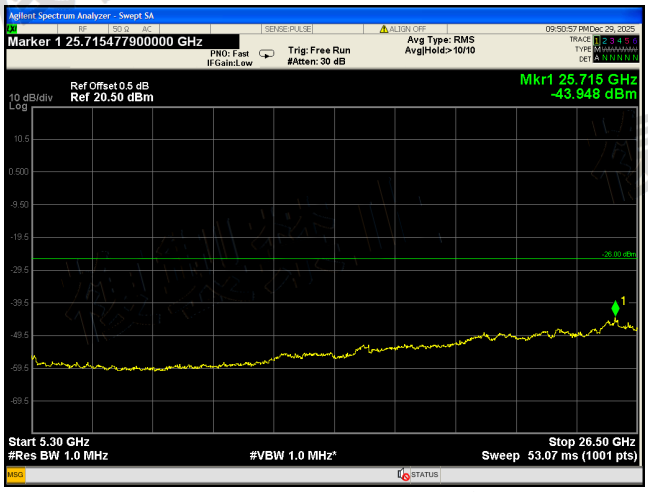
802.11ac VHT80 30MHz-5123.2MHz



802.11ac VHT80 5296.7MHz-26GHz

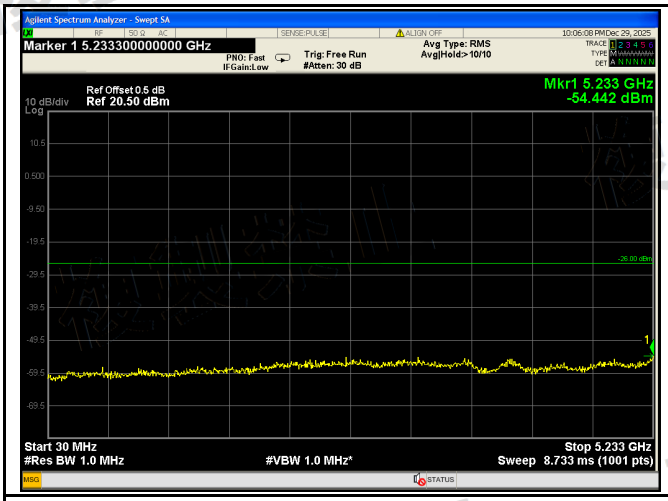


802.11ax HE80 30MHz-5123.2MHz

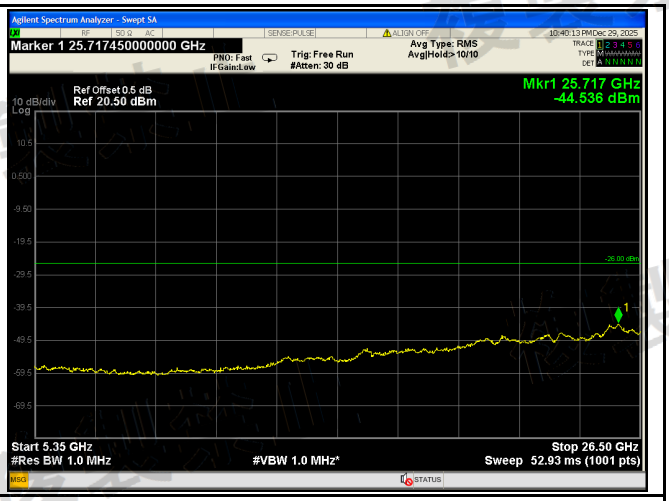


802.11ax HE80 5296.7MHz-26GHz

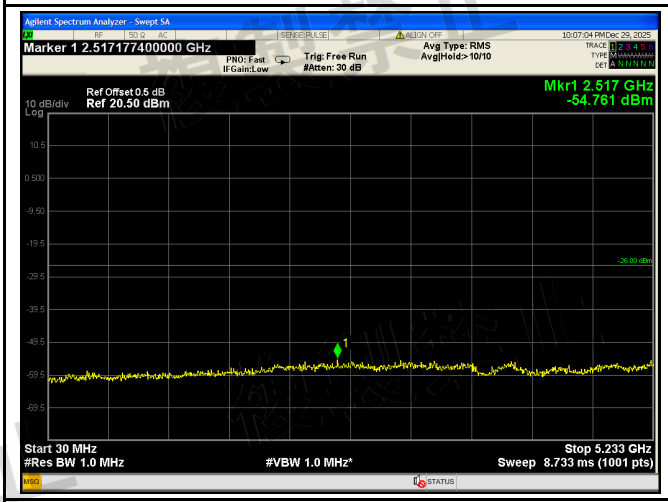
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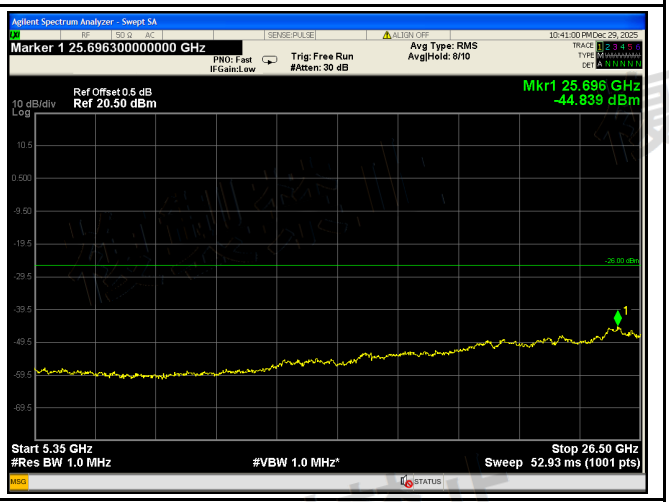
802.11a Low CH 30MHz-5233.3MHz



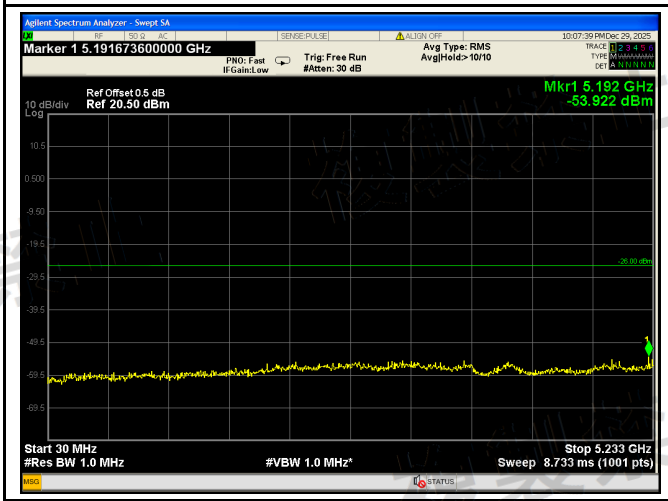
802.11a Low CH 5350MHz-26GHz



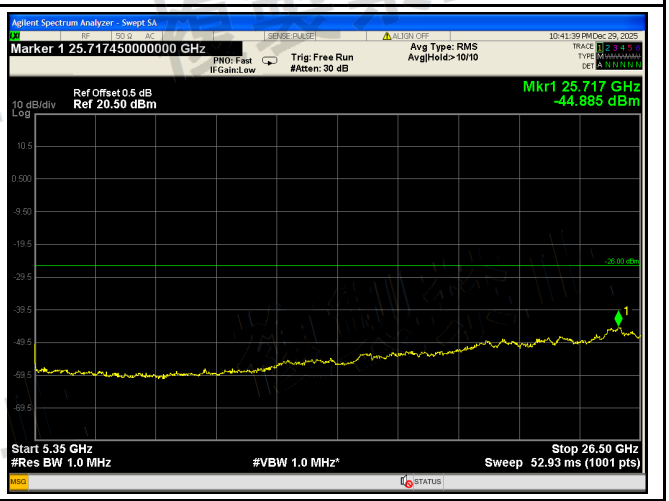
802.11a Middle CH 30MHz-5233.3MHz



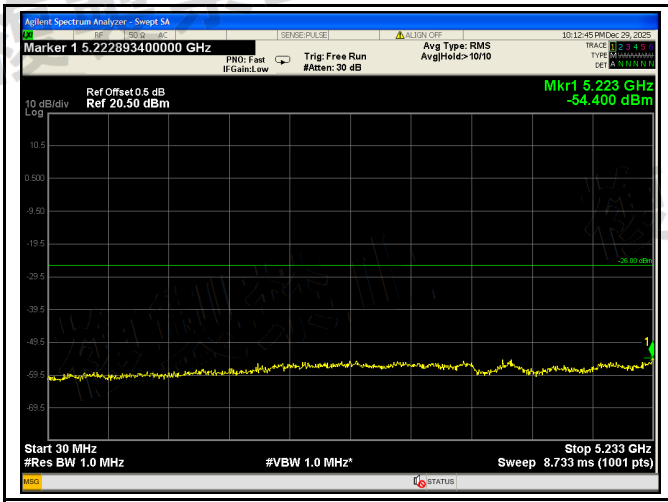
802.11a Middle CH 5350MHz-26GHz



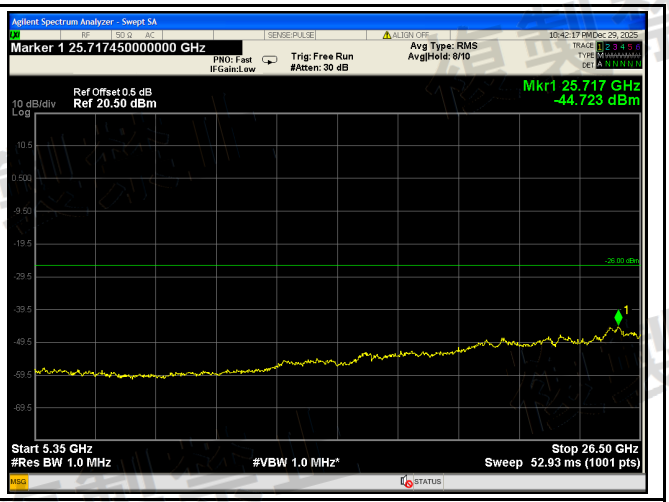
802.11a High CH 30MHz-5233.3MHz



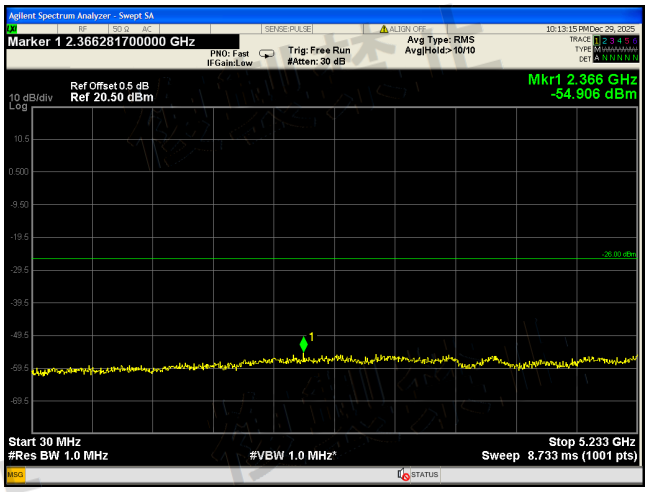
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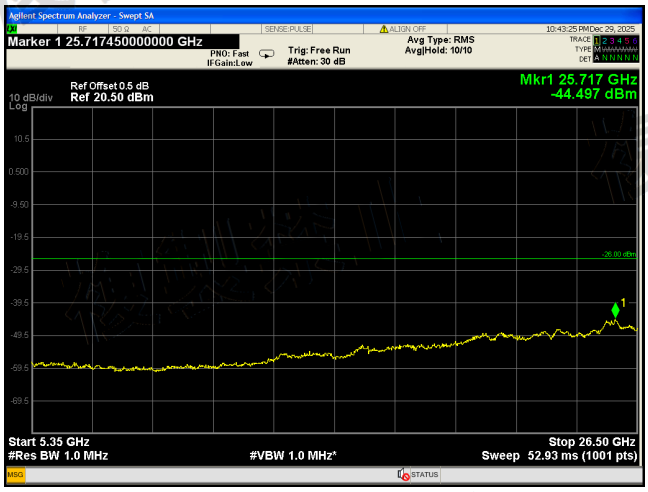
802.11n HT20 Low CH 30MHz-5233.3MHz



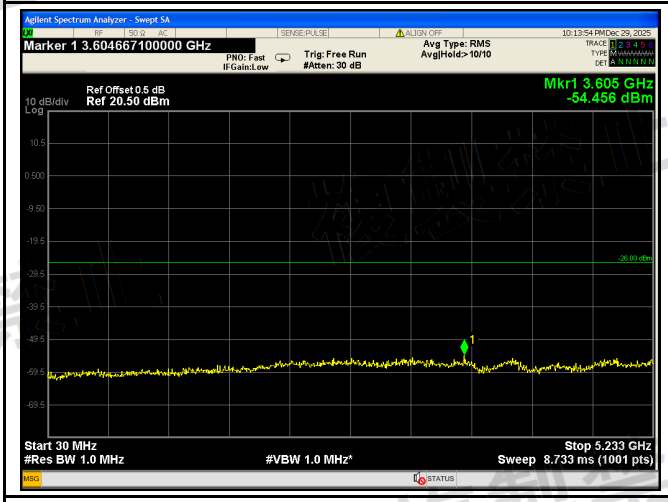
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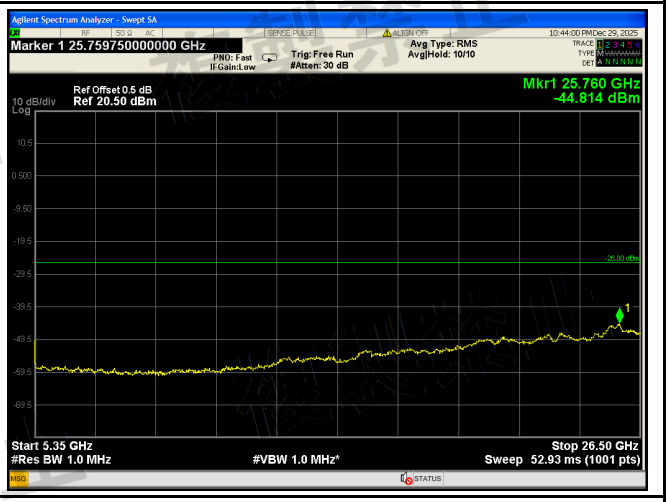
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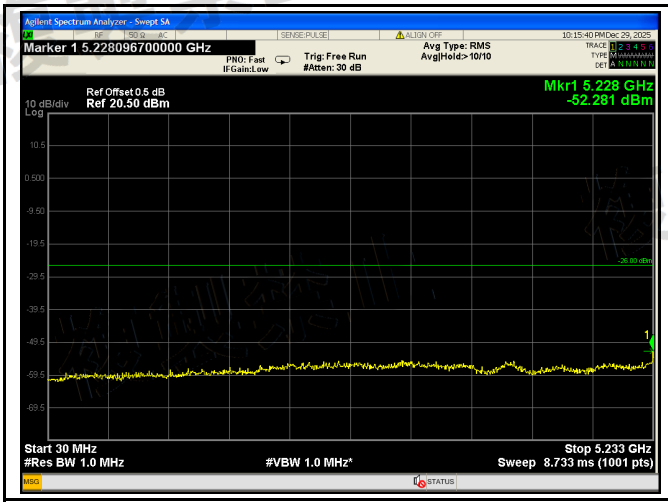
802.11n HT20 Middle CH 5350MHz-26GHz



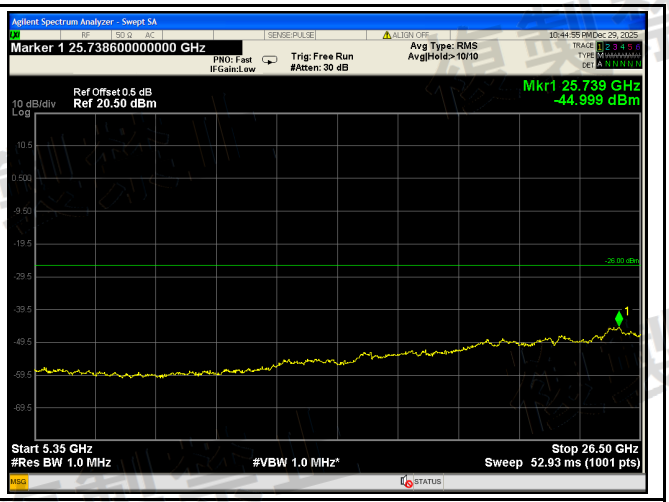
802.11n HT20 High CH 30MHz-5233.3MHz



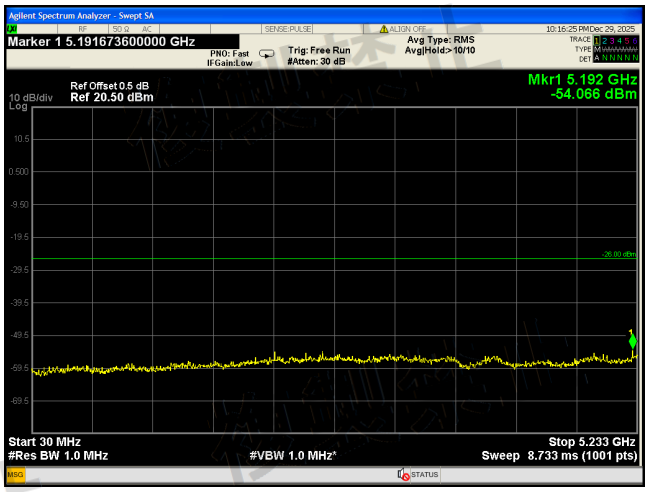
802.11n HT20 High CH 5350MHz-26GHz



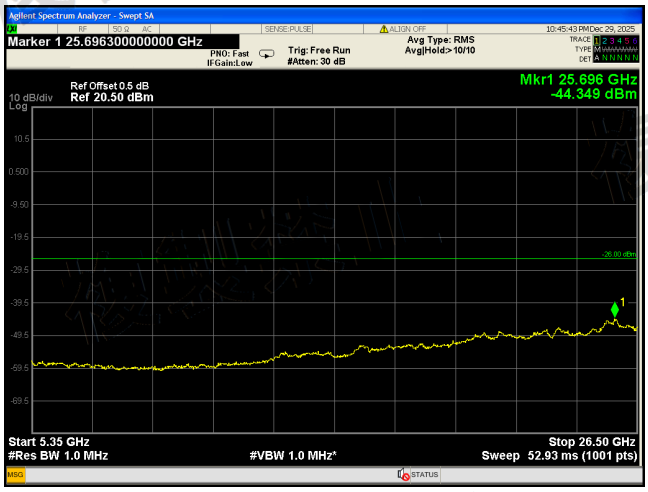
802.11ac VHT20 Low CH 30MHz-5233.3MHz



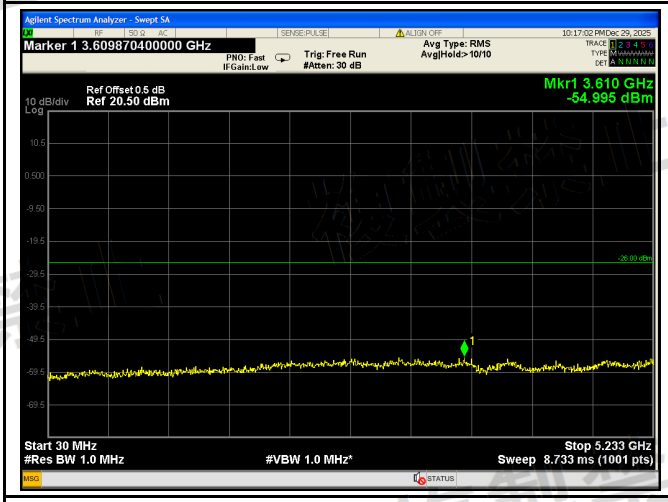
802.11ac VHT20 Low CH 5350MHz-26GHz



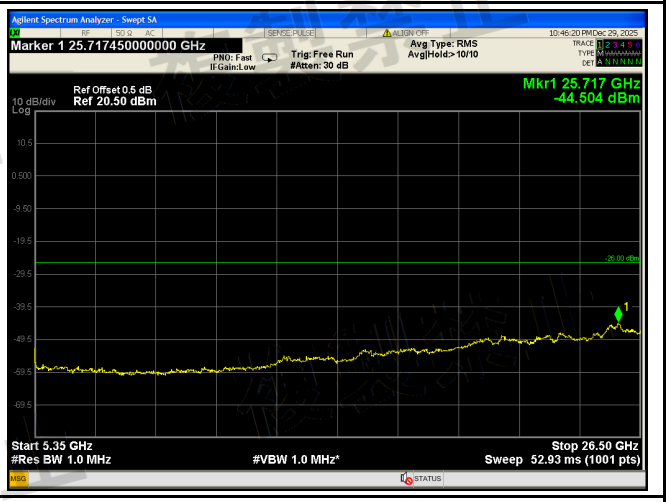
802.11ac VHT20 Middle CH 30MHz-5233.3MHz



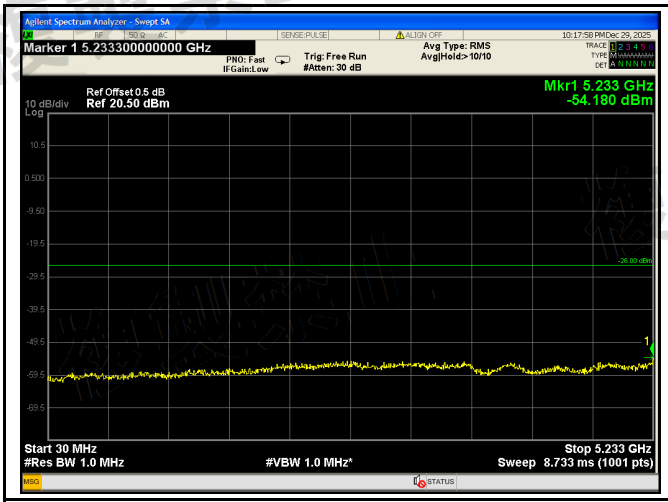
802.11ac VHT20 Middle CH 5350MHz-26GHz



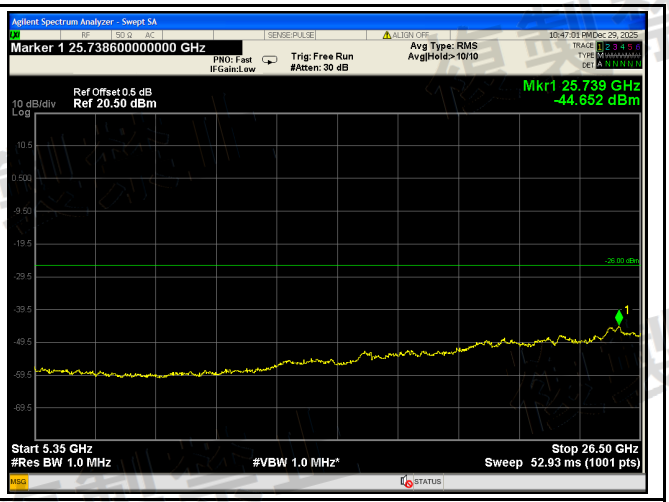
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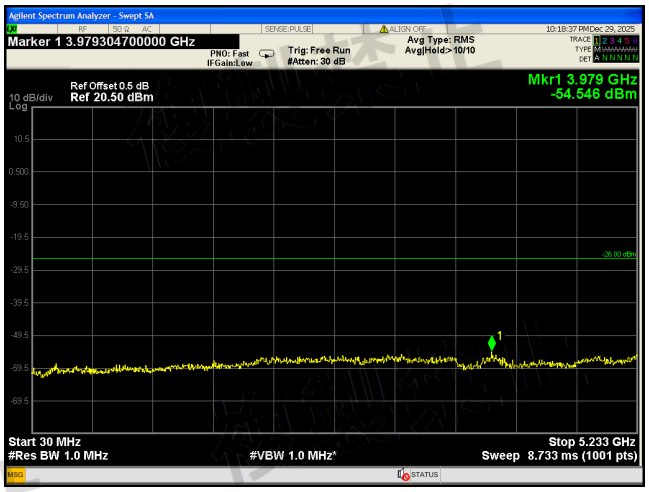
802.11ac VHT20 High CH 5350MHz-26GHz



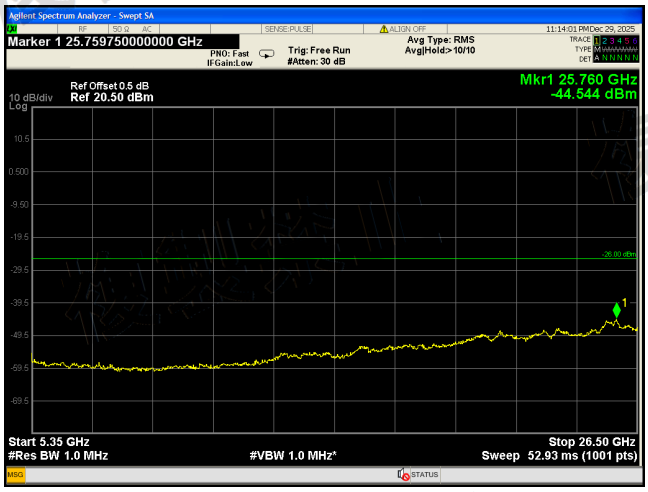
802.11ax HE20 Low CH 30MHz-5233.3MHz



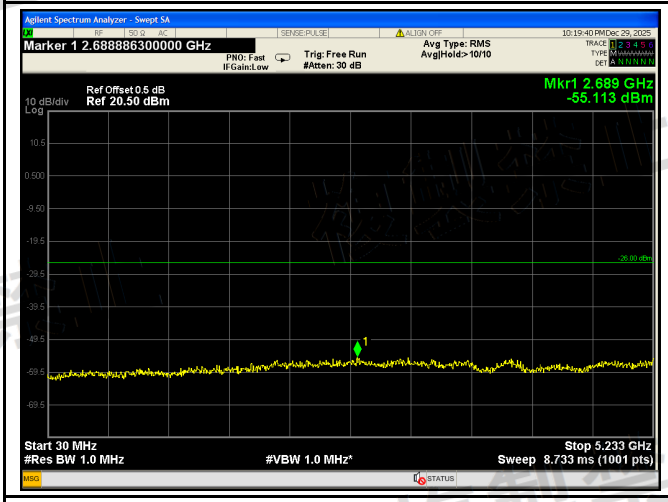
802.11ax HE20 Low CH 5350MHz-26GHz



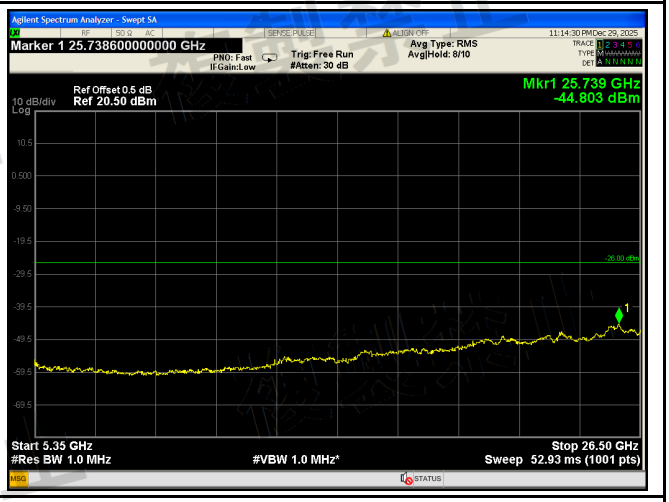
802.11ax HE20 Middle CH 30MHz-5233.3MHz



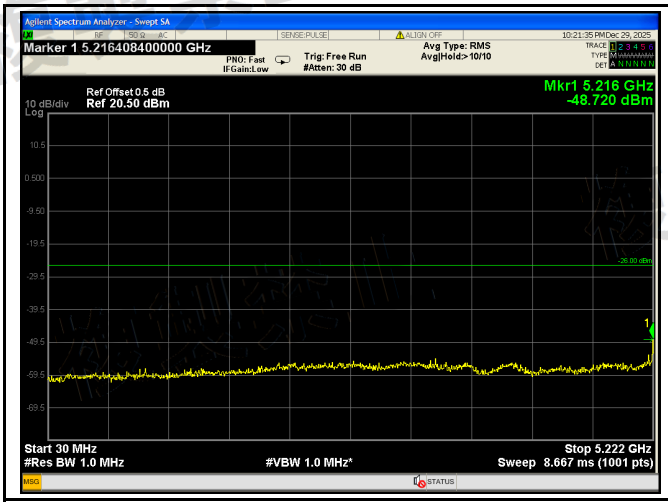
802.11ax HE20 Middle CH 5350MHz-26GHz



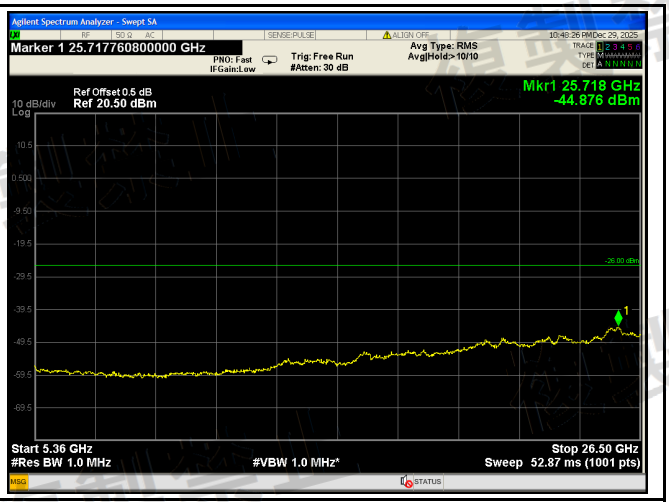
802.11ax HE20 High CH 30MHz-5233.3MHz



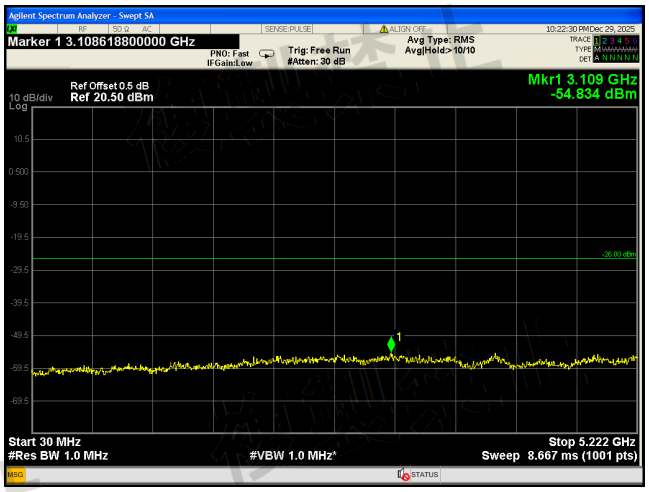
802.11ax HE20 High CH 5350MHz-26GHz



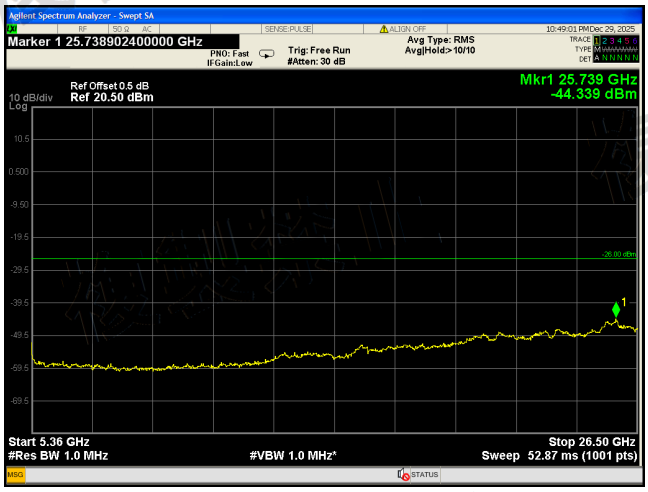
802.11n HT40 Low CH 30MHz-5221.6MHz



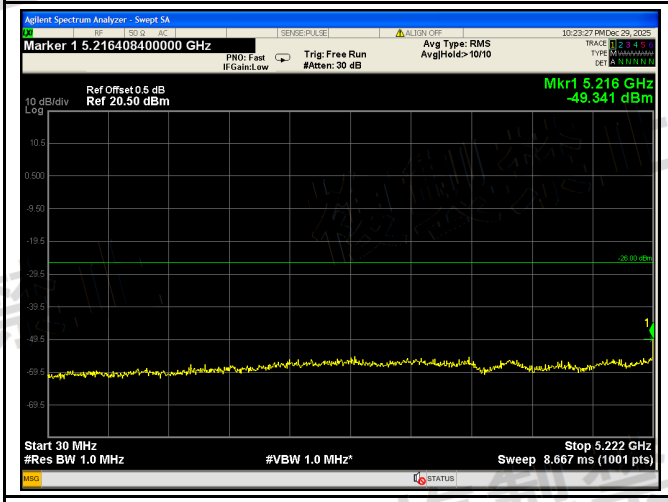
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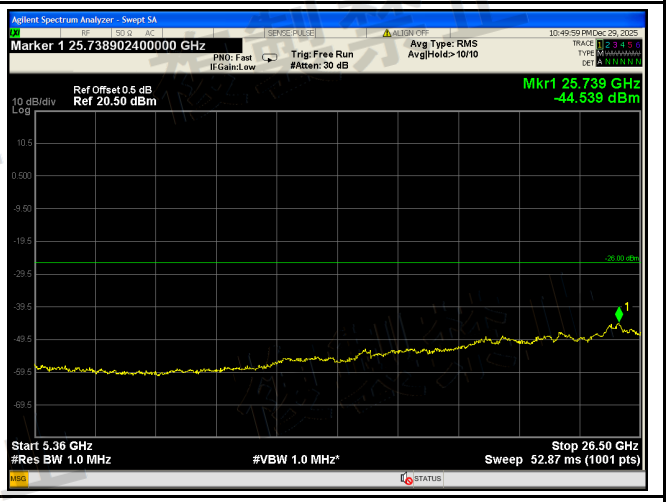
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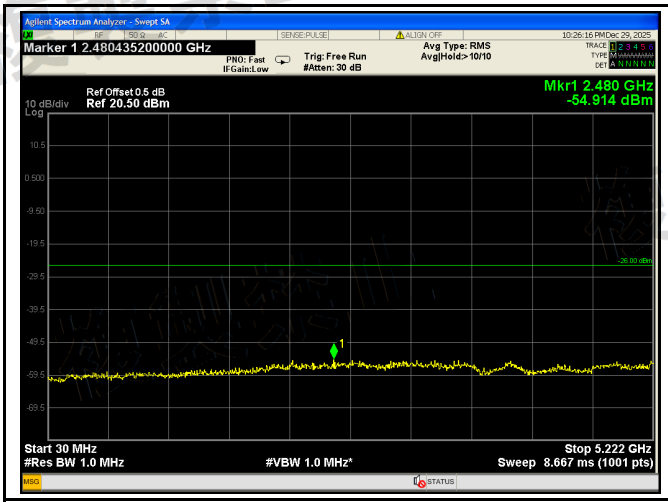
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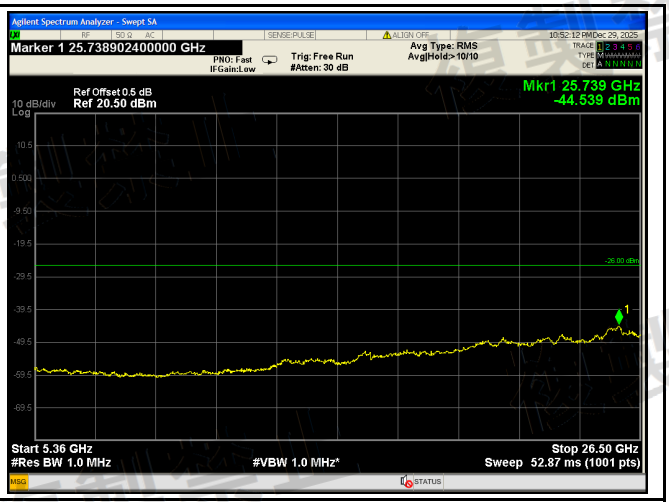
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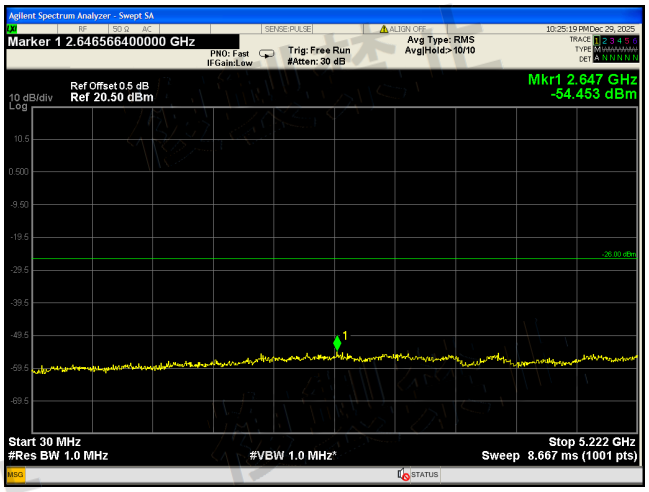
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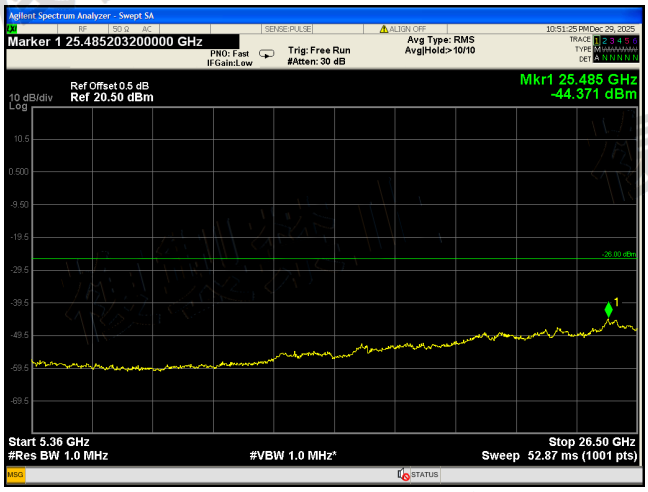
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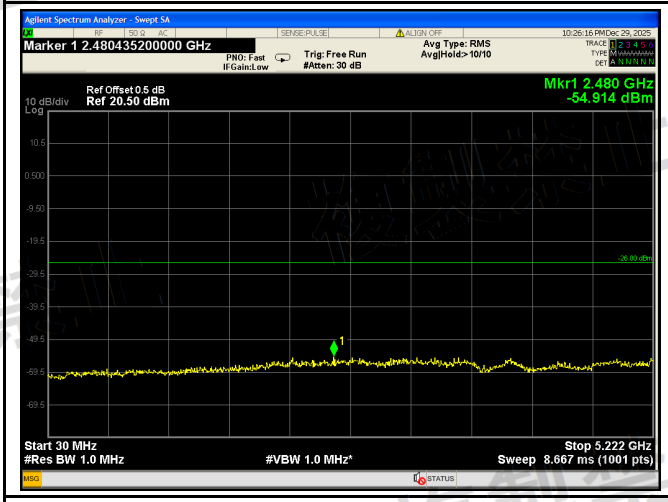
802.11ac VHT40 High CH 5358.4MHz-26GHz



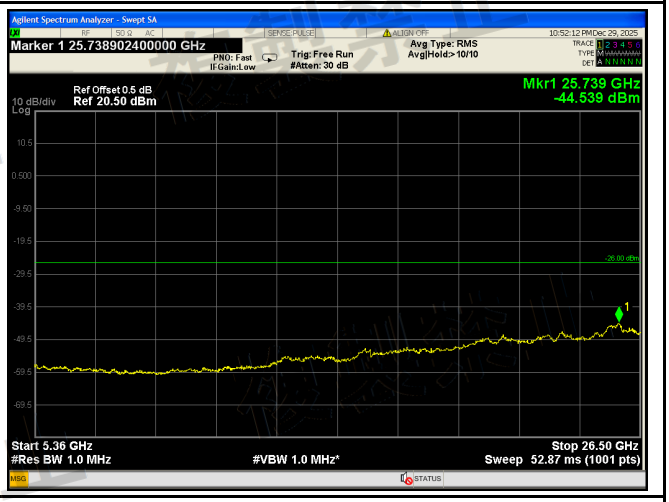
802.11ax HE40 Low CH 30MHz-5221.6MHz



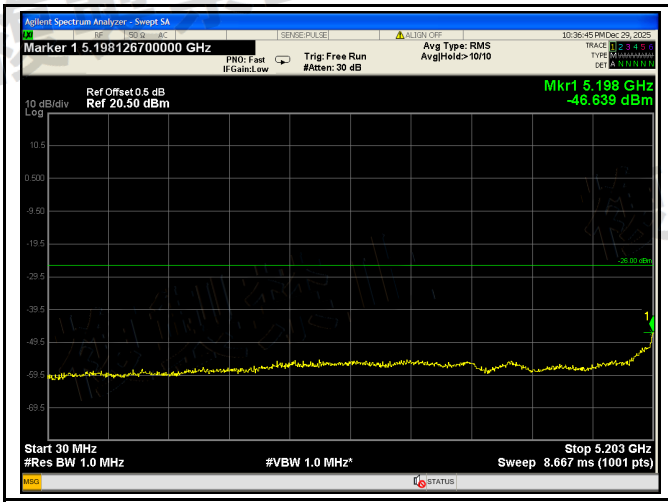
802.11ax HE40 Low CH 5358.4MHz-26GHz



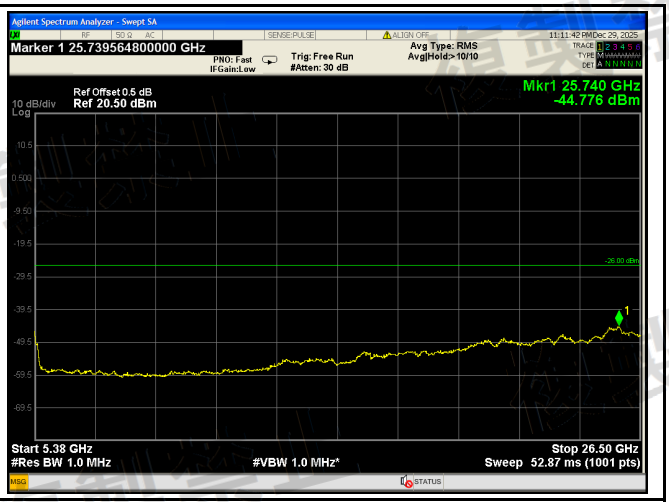
802.11ax HE40 High CH 30MHz-5221.6MHz



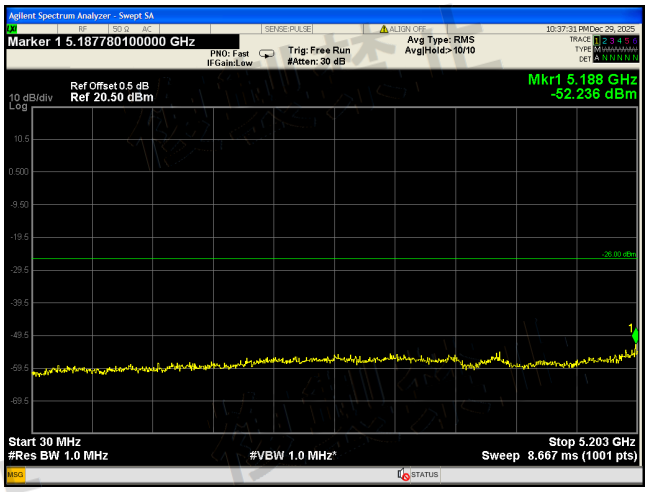
802.11ax HE40 High CH 5358.4MHz-26GHz



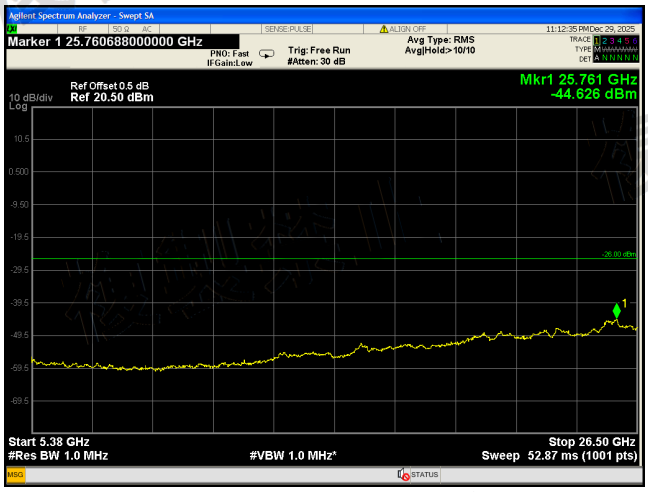
802.11ac VHT80 Low 30MHz-5203.3MHz



802.11ac VHT80 Low 5376.8MHz-26GHz

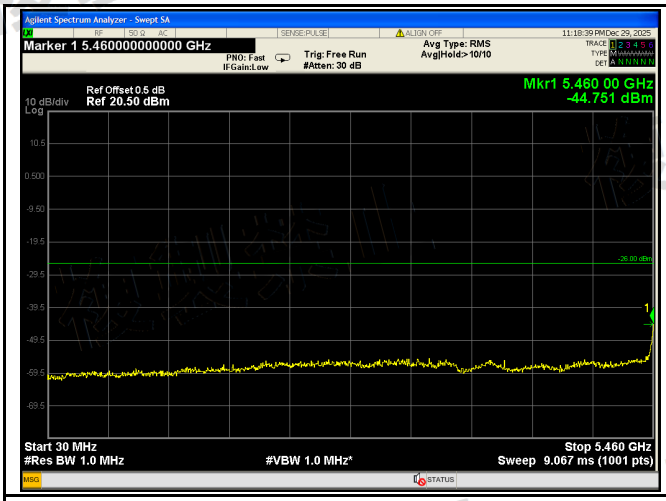


802.11ax HE80 Low 30MHz-5203.3MHz

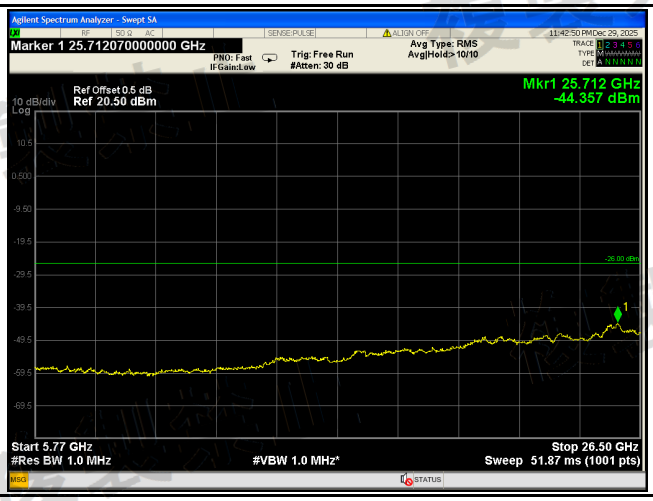


802.11ax HE80 Low 5376.8MHz-26GHz

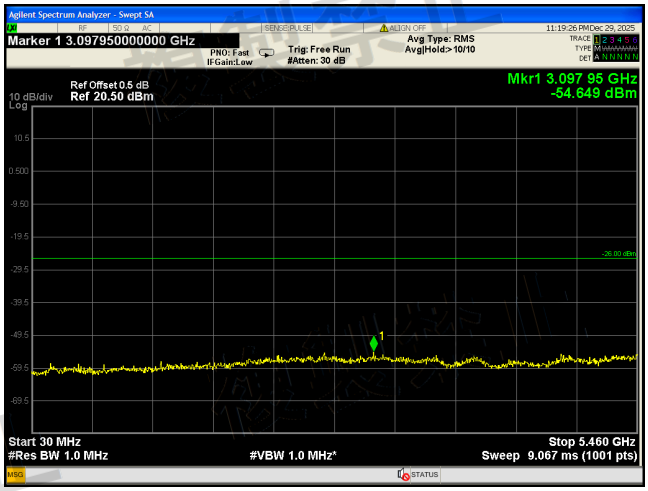
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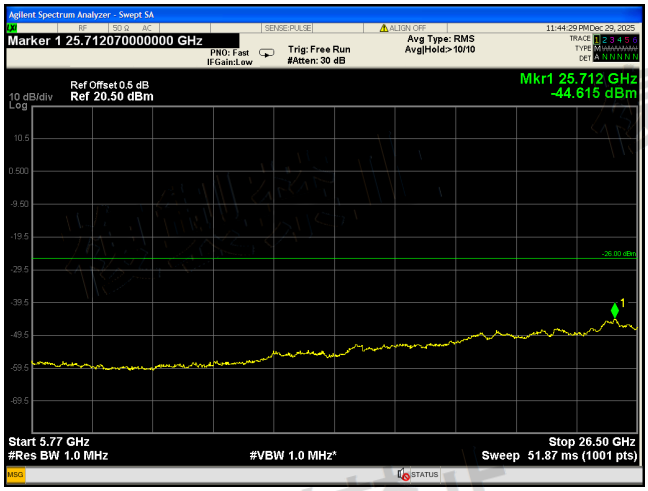
802.11a Low CH 30MHz-5460MHz



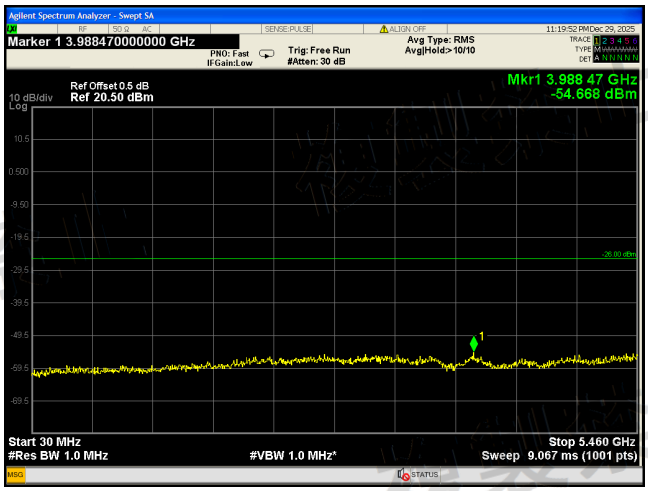
802.11a Low CH 5765MHz-26GHz



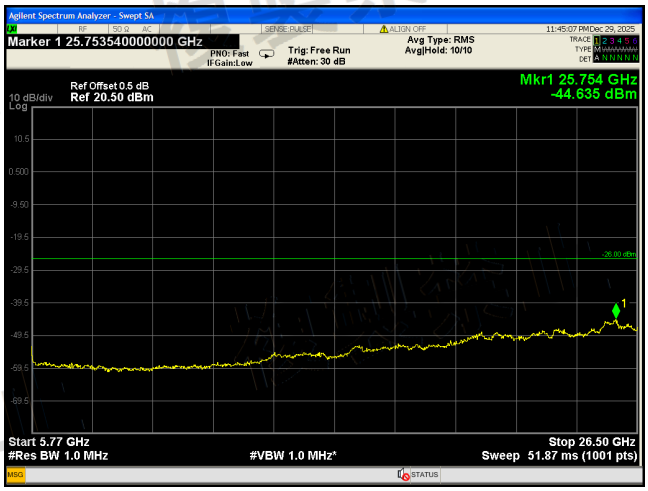
802.11a Middle CH 30MHz-5460MHz



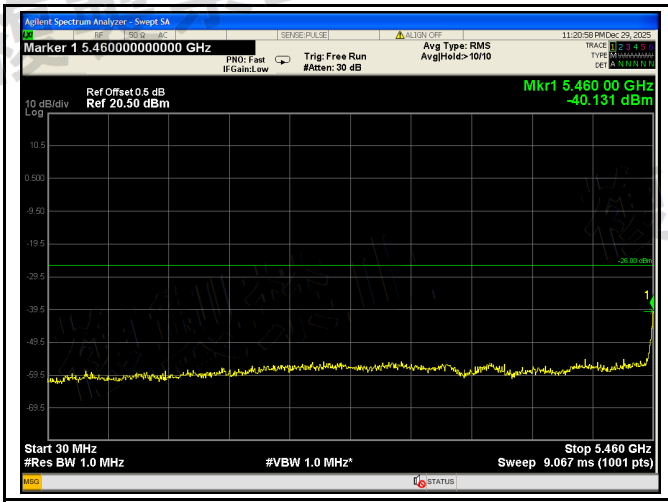
802.11a Middle CH 5765MHz-26GHz



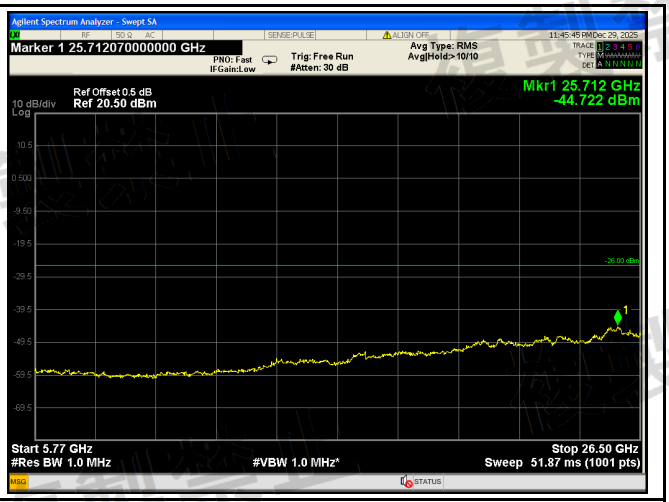
802.11a High CH 30MHz-5460MHz



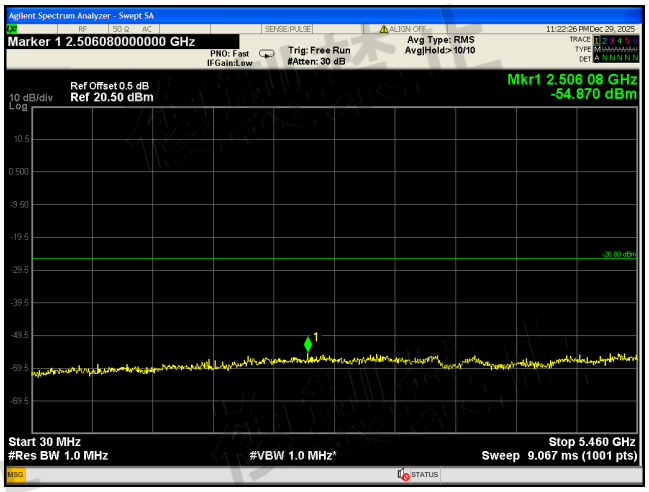
802.11a High CH 5765MHz-26GHz



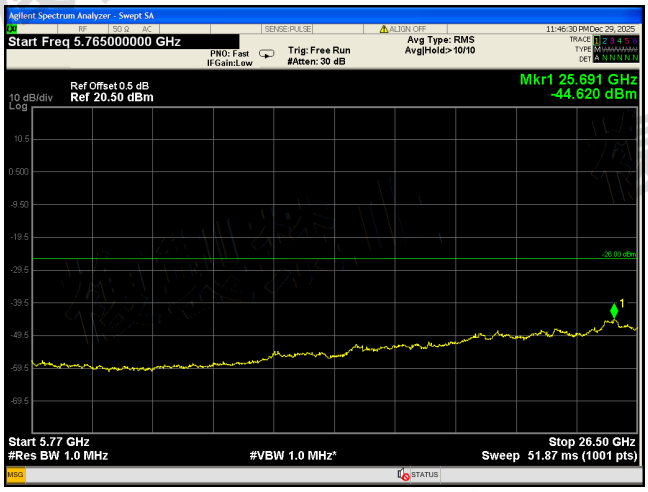
802.11n HT20 Low CH 30MHz-5460MHz



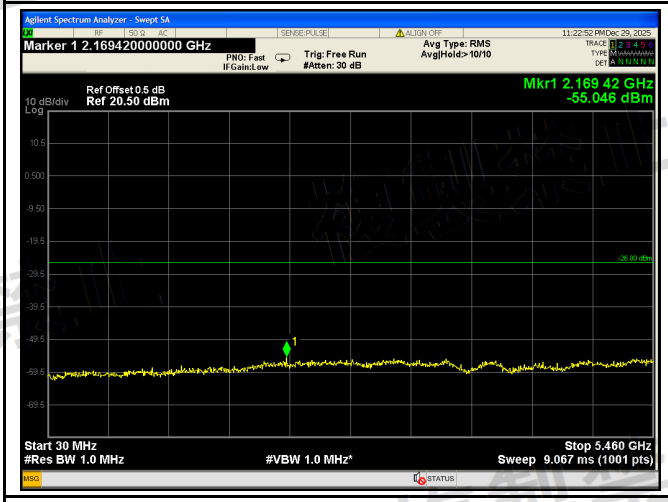
802.11n HT20 Low CH 5765MHz-26GHz



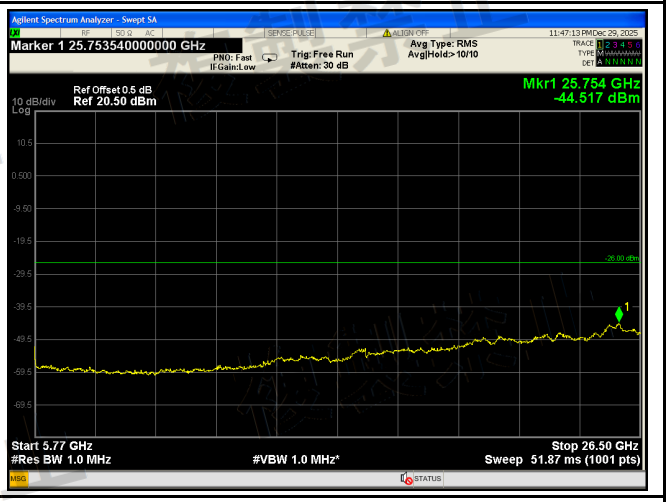
802.11n HT20 Middle CH 30MHz-5460MHz



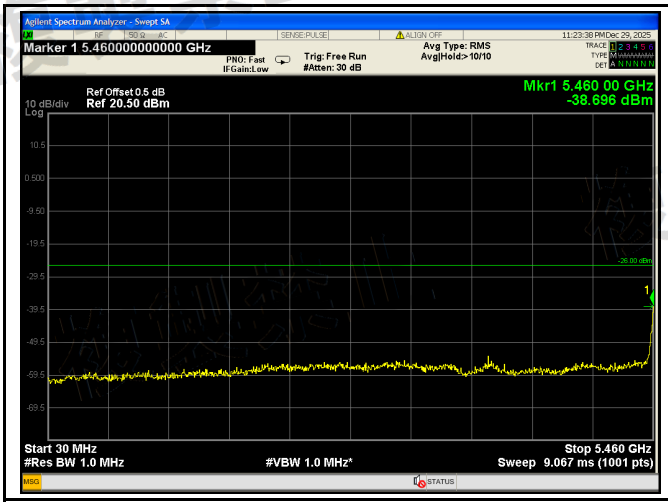
802.11n HT20 Middle CH 5765MHz-26GHz



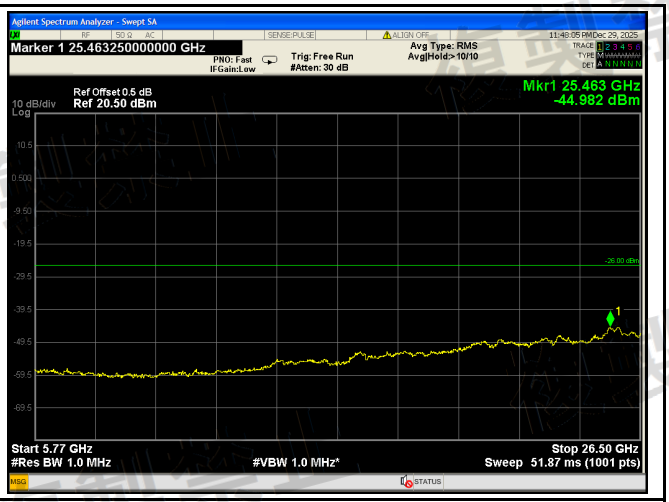
802.11n HT20 High CH 30MHz-5460MHz



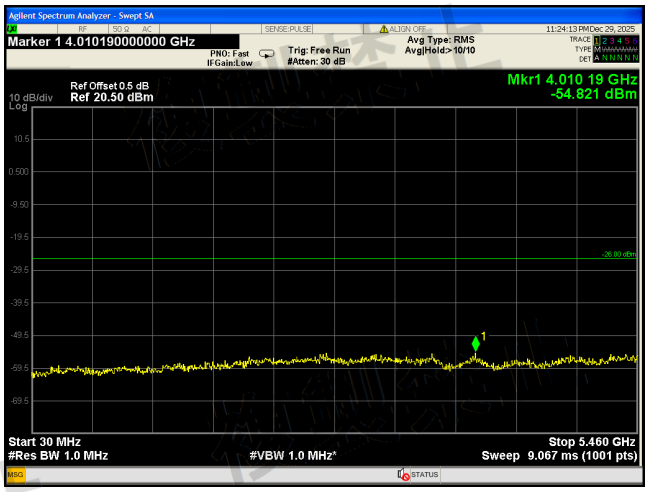
802.11n HT20 High CH 5765MHz-26GHz



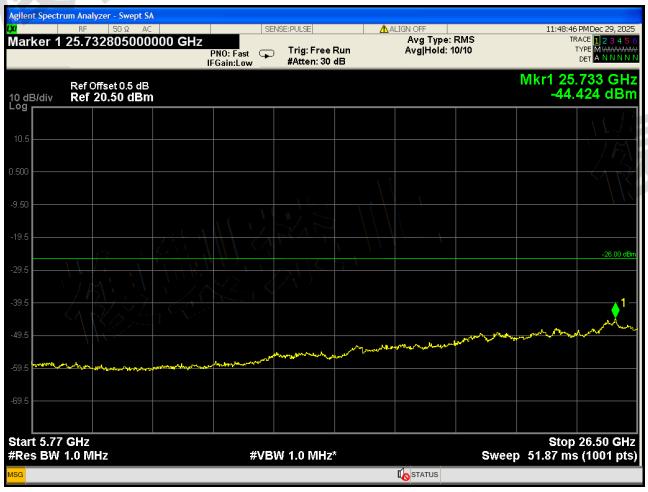
802.11ac VHT20 Low CH 30MHz-5460MHz



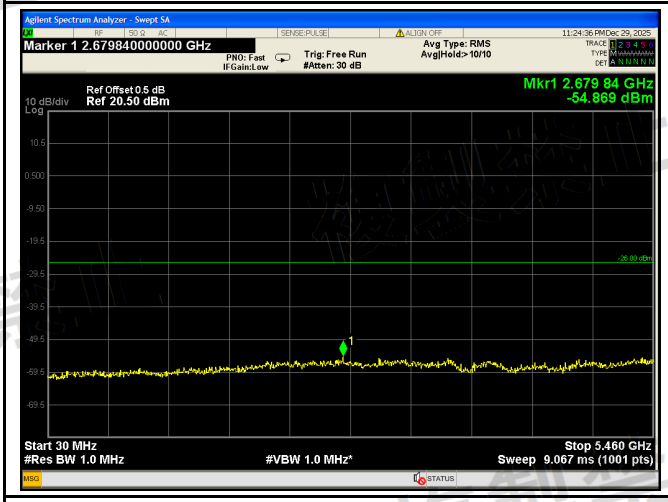
802.11ac VHT20 Low CH 5765MHz-26GHz



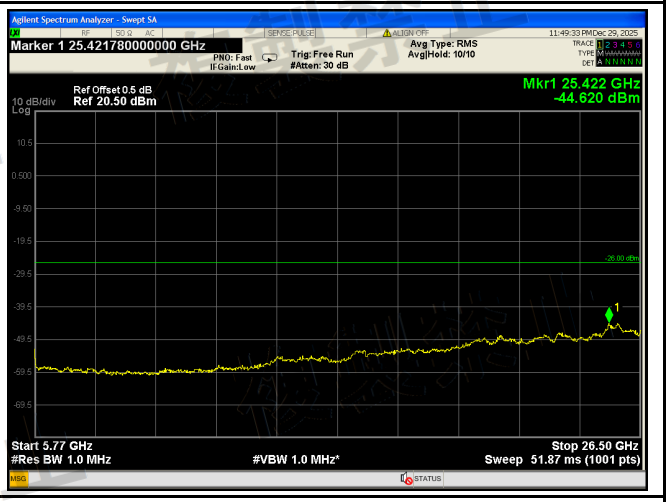
802.11ac VHT20 Middle CH 30MHz-5460MHz



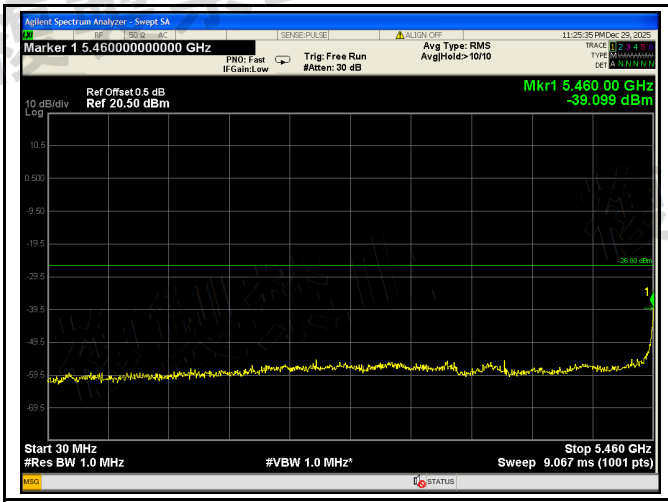
802.11ac VHT20 Middle CH 5765MHz-26GHz



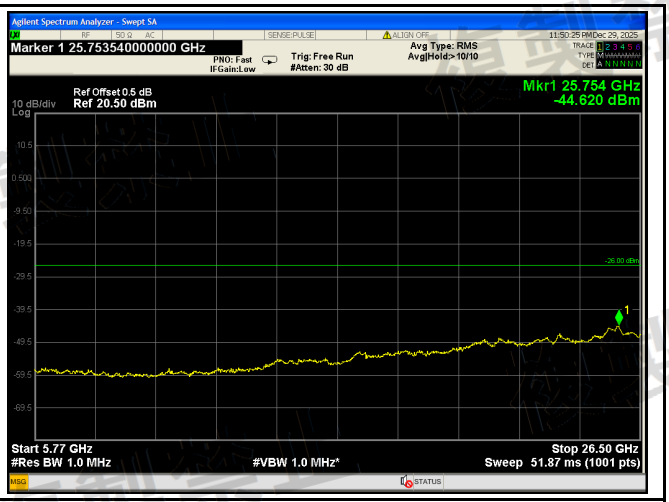
802.11ac VHT20 High CH 30MHz-5460MHz



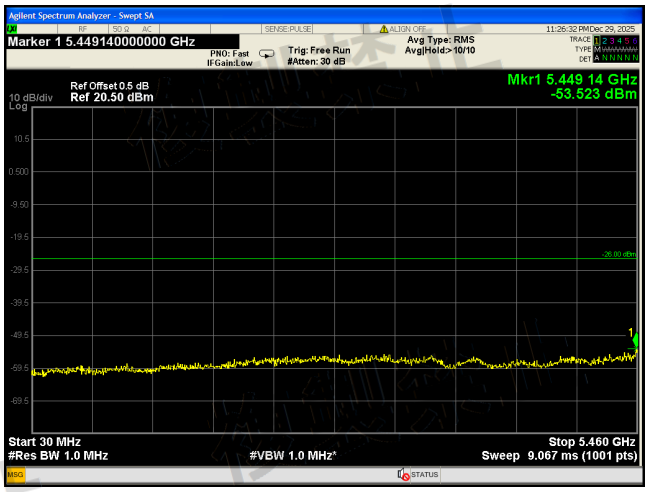
802.11ac VHT20 High CH 5765MHz-26GHz



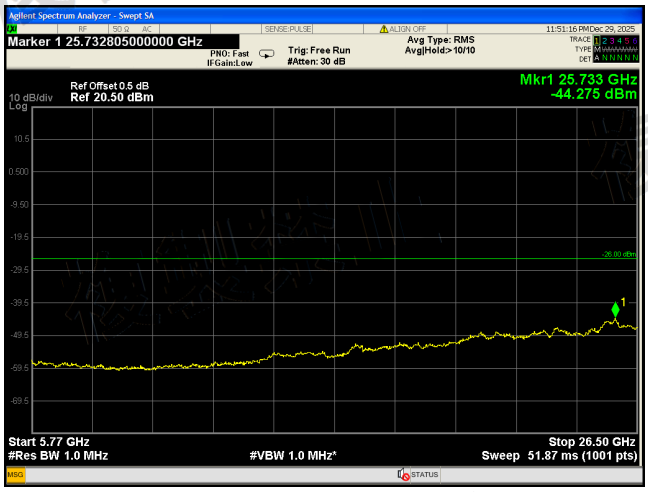
802.11ax HE20 Low CH 30MHz-5460MHz



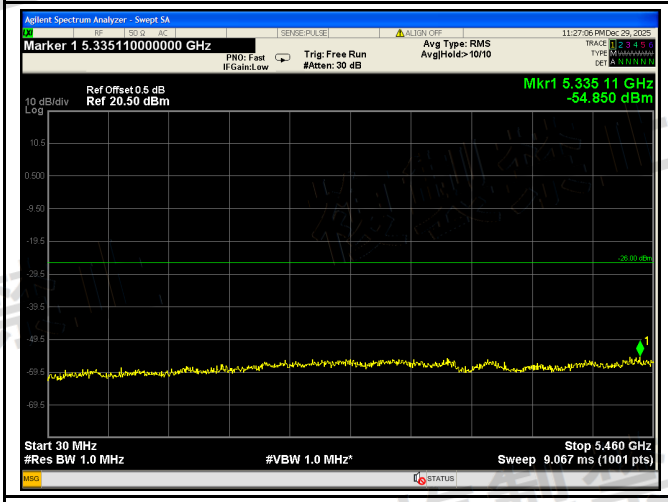
802.11ax HE20 Low CH 5765MHz-26GHz



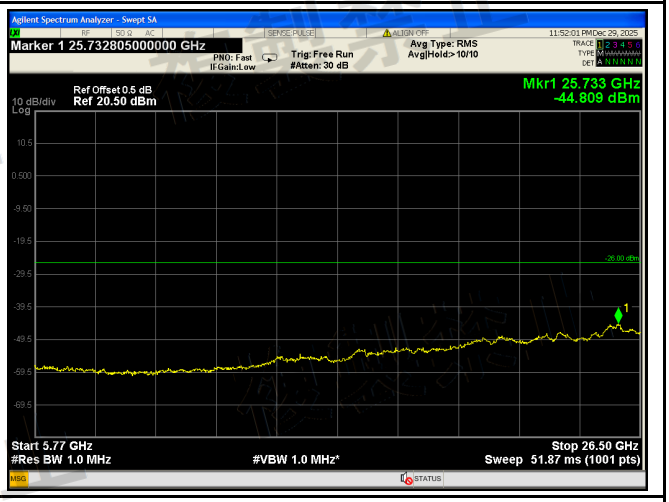
802.11ax HE20 Middle CH 30MHz-5460MHz



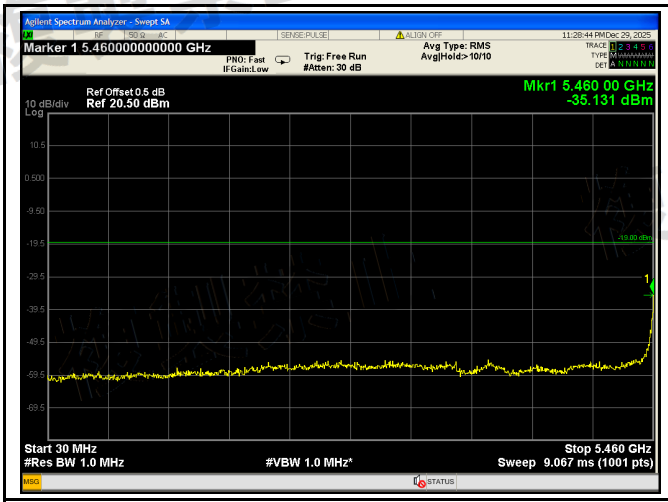
802.11ax HE20 Middle CH 5765MHz-26GHz



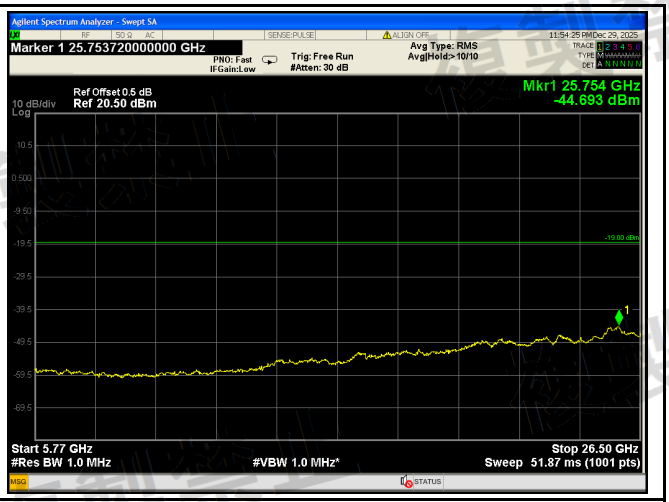
802.11ax HE20 High CH 30MHz-5460MHz



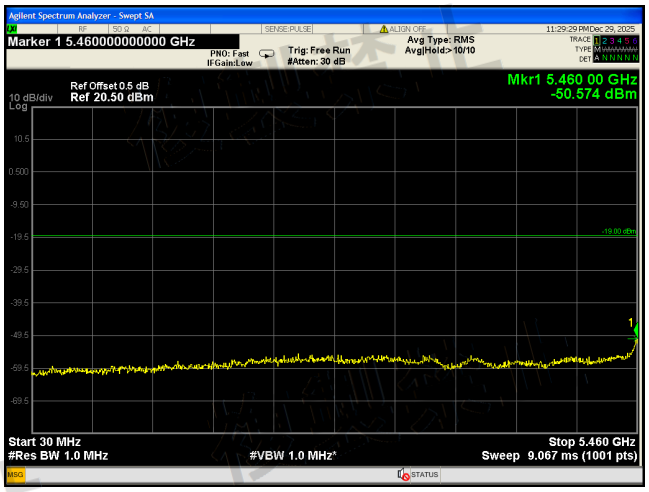
802.11ax HE20 High CH 5765MHz-26GHz



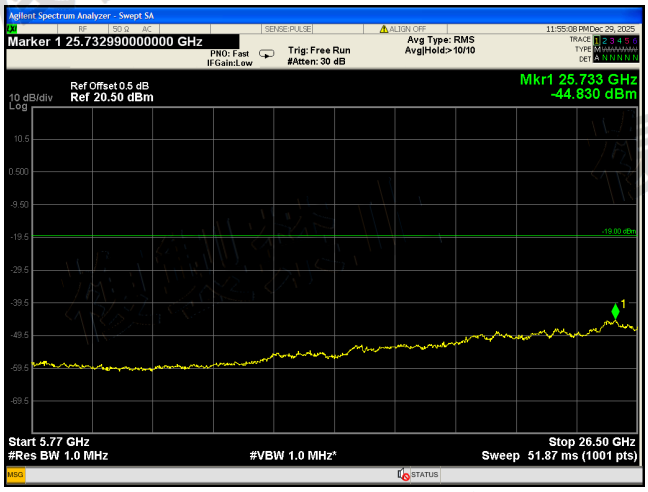
802.11n HT40 Low CH 30MHz-5460MHz



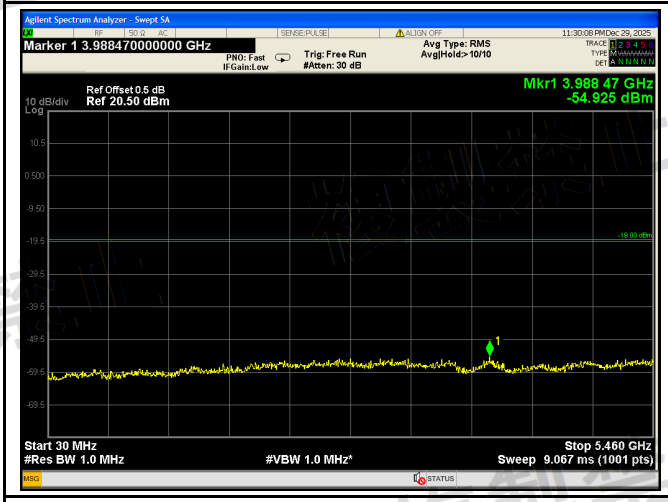
802.11n HT40 Low CH 5770MHz-26GHz



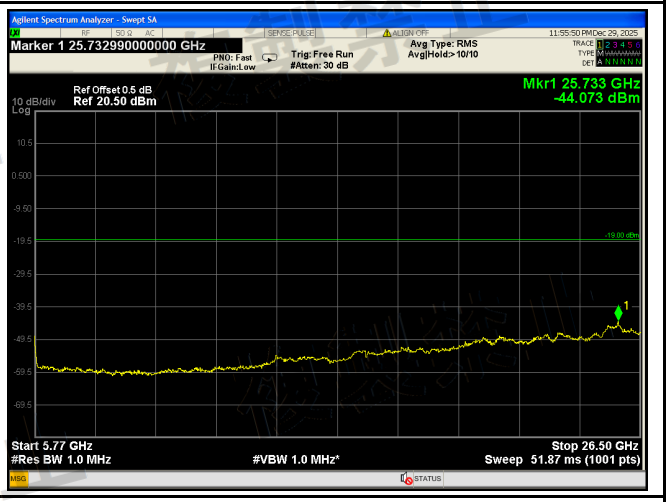
802.11n HT40 Middle CH 30MHz-5460MHz



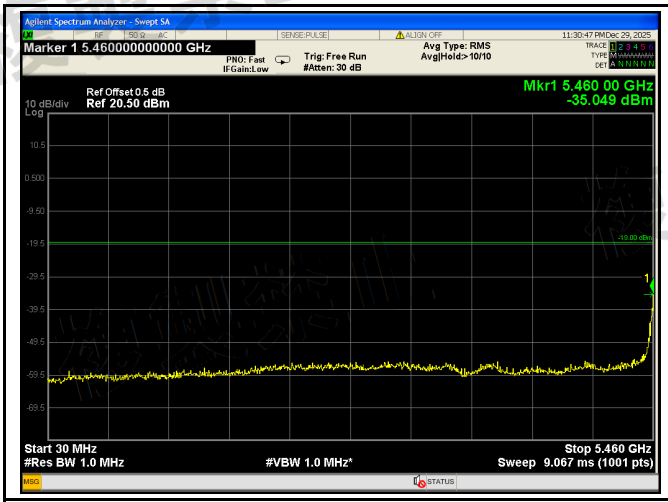
802.11n HT40 Middle CH 5770MHz-26GHz



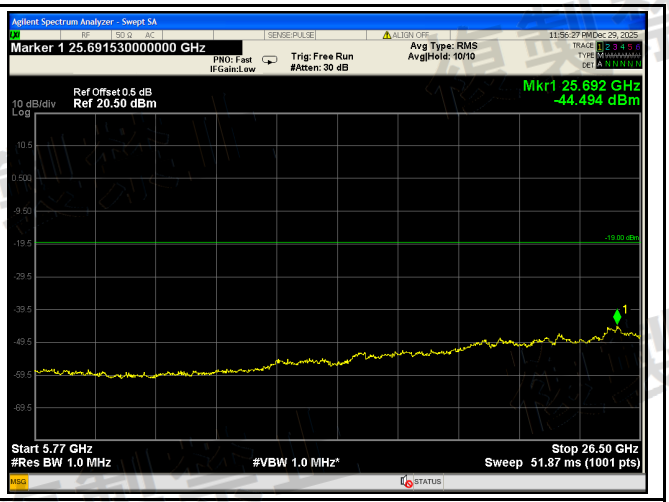
802.11n HT40 High CH 30MHz-5460MHz



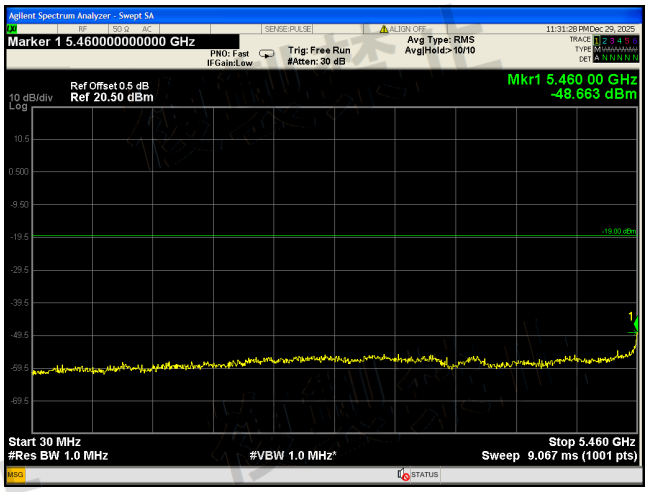
802.11n HT40 High CH 5770MHz-26GHz



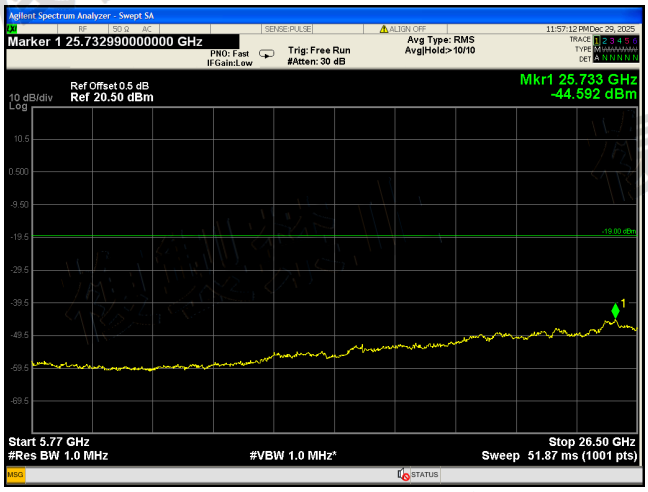
802.11ac VHT40 Low CH 30MHz-5460MHz



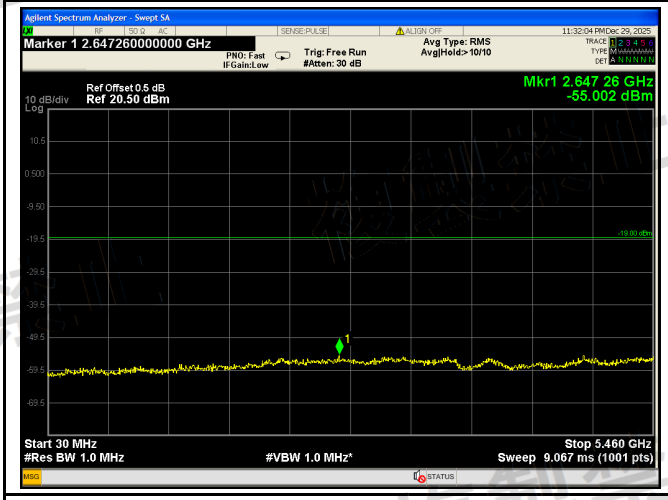
802.11ac VHT40 Low CH 5770MHz-26GHz



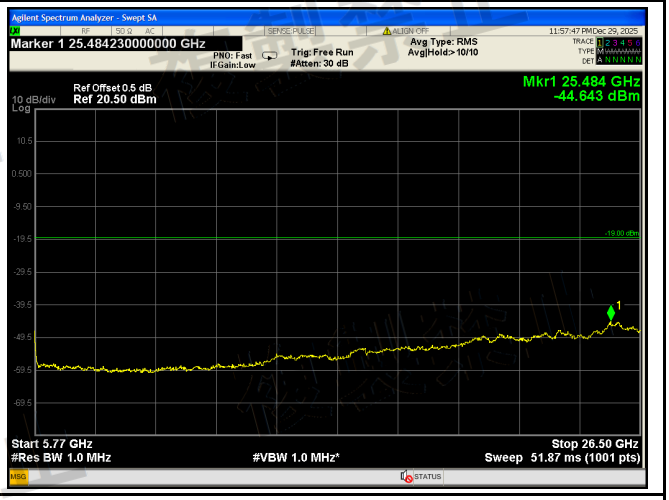
802.11ac VHT40 Middle 30MHz-5460MHz



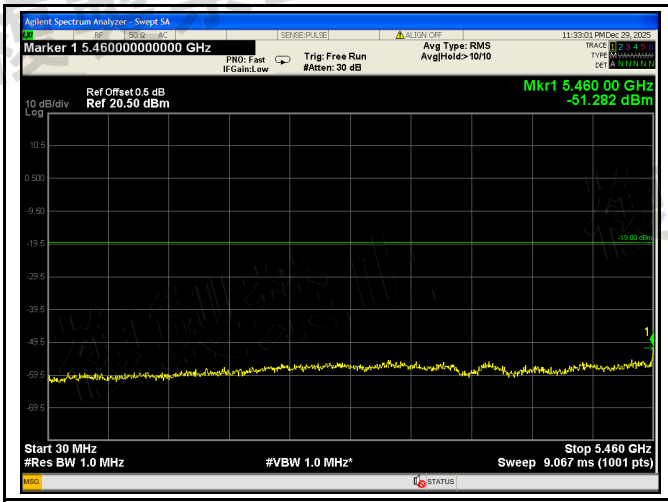
802.11ac VHT40 Middle 5770MHz-26GHz



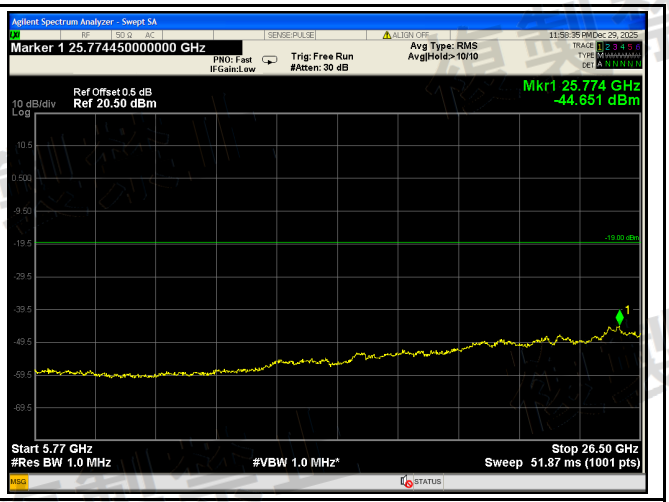
802.11ac VHT40 High CH 30MHz-5460MHz



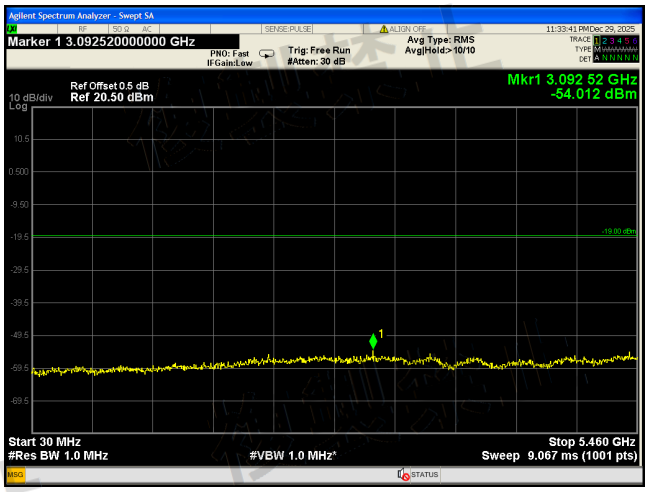
802.11ac VHT40 High CH 5770MHz-26GHz



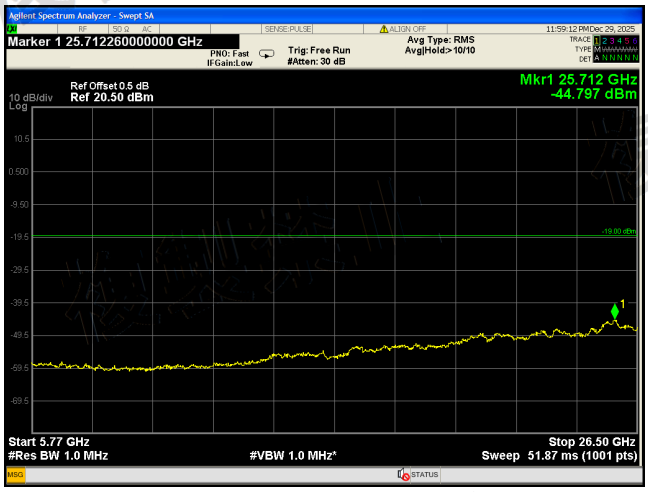
802.11ax HE40 Low CH 30MHz-5460MHz



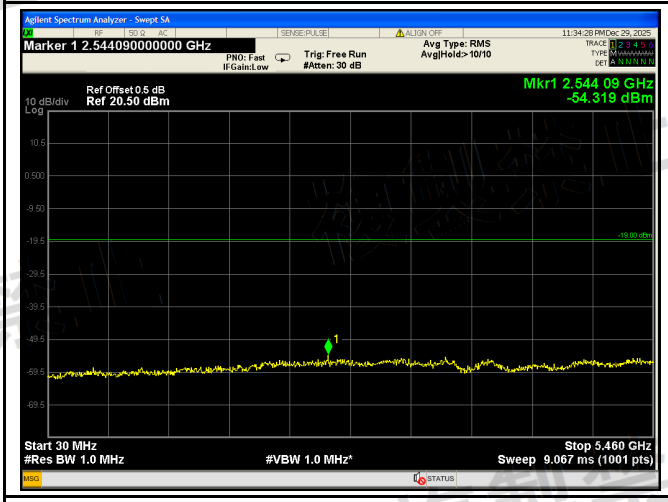
802.11ax HE40 Low CH 5770MHz-26GHz



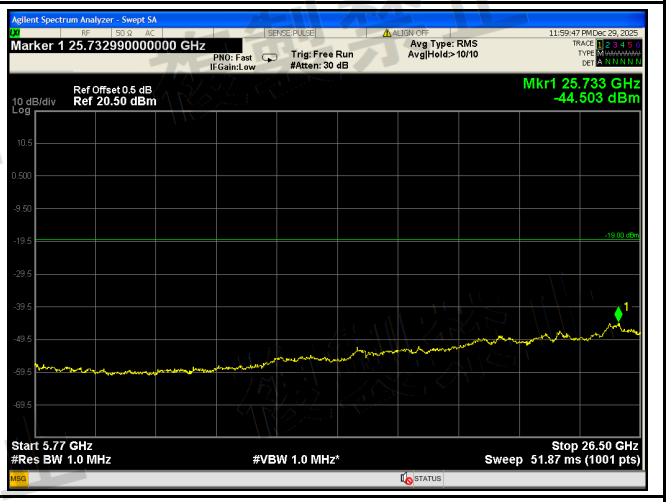
802.11ax HE40 Middle 30MHz-5460MHz



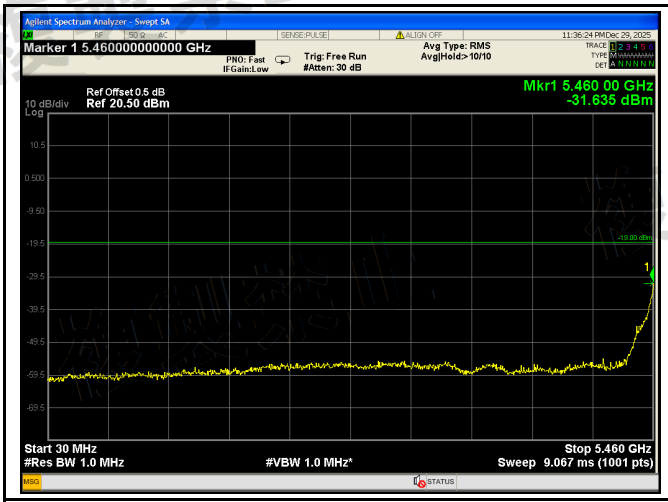
802.11ax HE40 Middle 5770MHz-26GHz



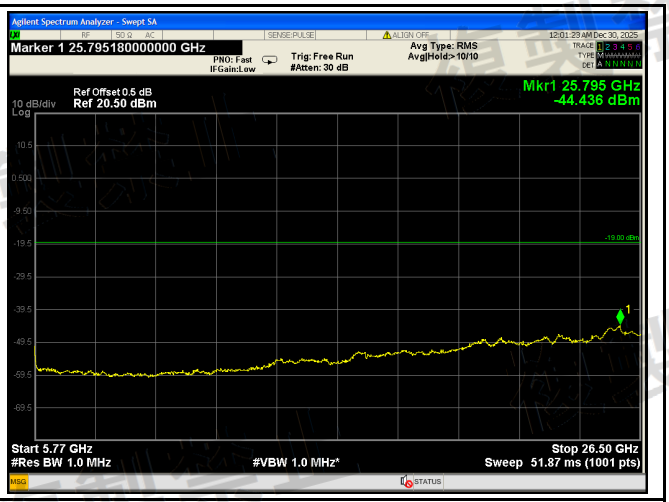
802.11ax HE40 High CH 30MHz-5460MHz



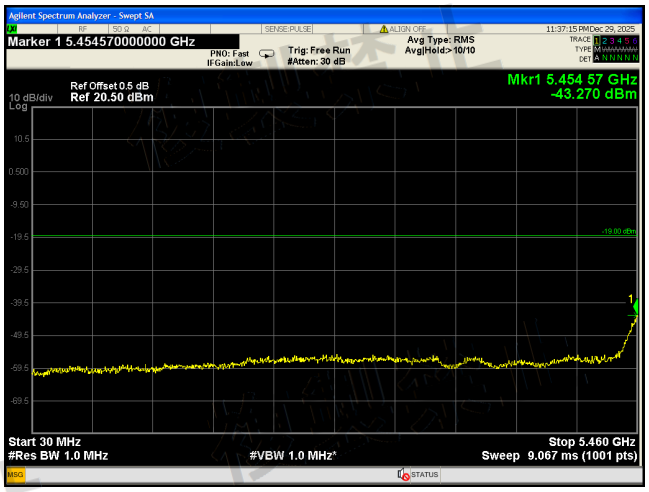
802.11ax HE40 High CH 5770MHz-26GHz



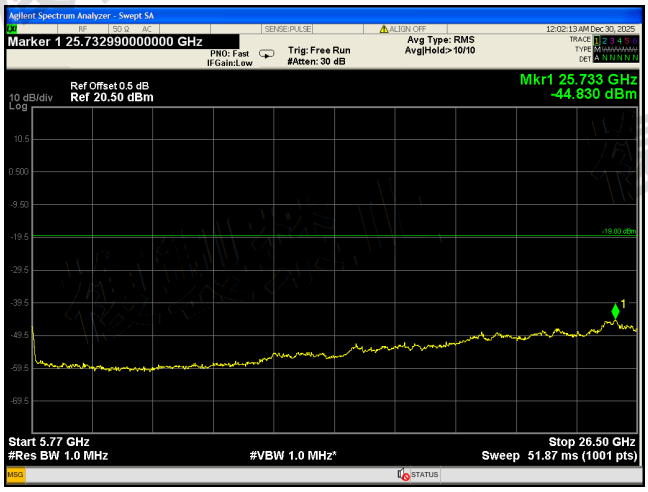
802.11ac VHT80 Low CH 30MHz-5460MHz



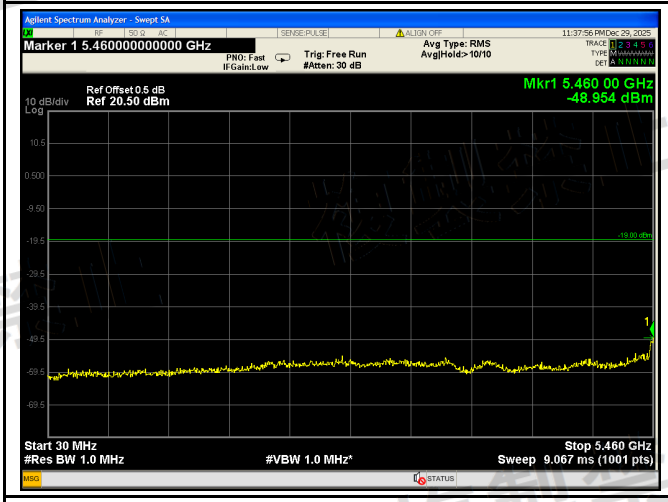
802.11ac VHT80 Low CH 5770MHz-26GHz



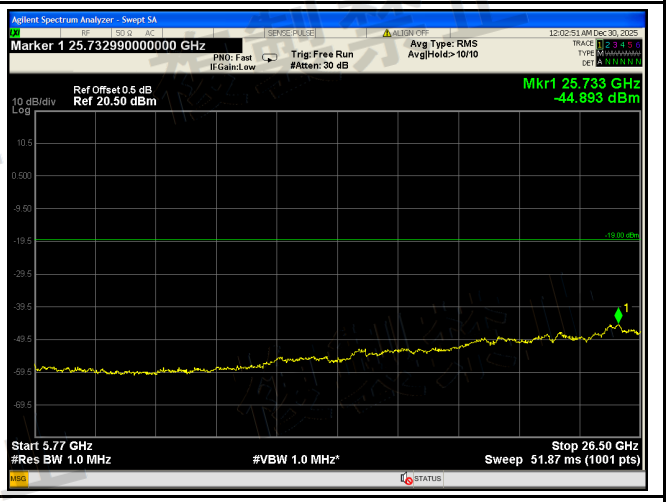
802.11ac VHT80 High 30MHz-5460MHz



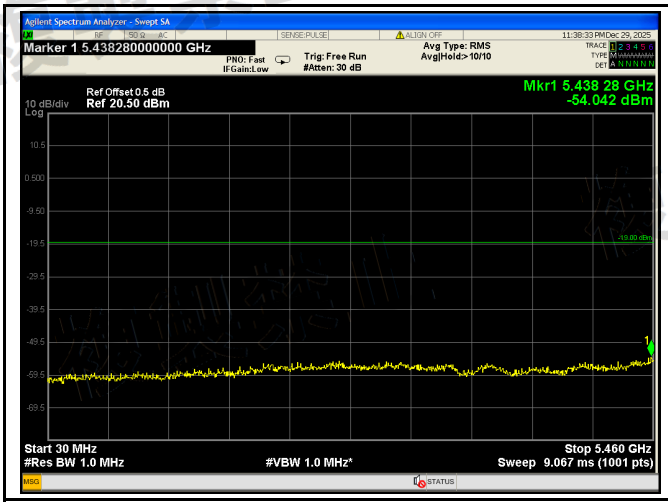
802.11ac VHT80 High CH 5770MHz-26GHz



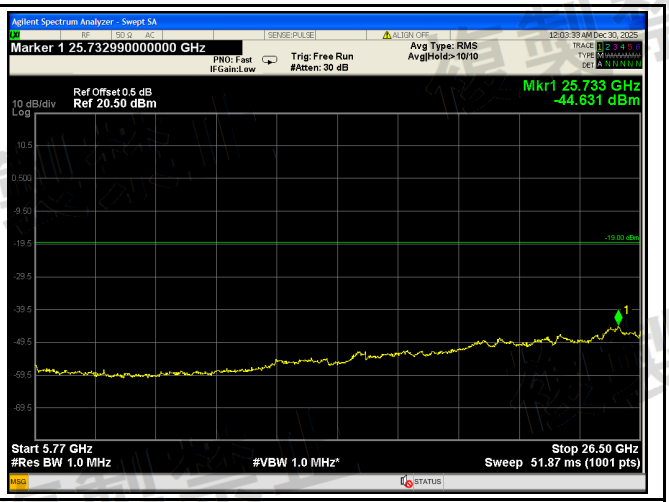
802.11ax HE80 Low CH 30MHz-5460MHz



802.11ax HE80 Low CH 5770MHz-26GHz



802.11ax HE80 High 30MHz-5460MHz



802.11ax HE80 High CH 5770MHz-26GHz

Out Of Bands Emissions:

Mode	Freq. (MHz)	Freq. Range		Marker					Limit (uW /MHz)	Verdict
		Start (MHz)	Stop (MHz)	Freq. (MHz)	PK EIRP (dBm /MHz)	PK EIRP (uW /MHz)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)		
802.11a	5180	5142	5150	5148.584	-20.19	9.574	/	/	15	Pass
		5250	5251	5250.593	-33.23	0.475	/	/	255.27	Pass
				5250.954	-33.48	0.449	/	/	111.173	Pass
		5251	5260	5256.787	-33.64	0.432	/	/	30.591	Pass
				5259.073	-34.79	0.332	/	/	19.16	Pass
		5260	5266.7	5260.63	-34.15	0.385	/	/	13.317	Pass
				5266.687	-35.51	0.281	/	/	2.498	Pass
	5200	5142	5150	5148.352	-30.63	0.865	/	/	15	Pass
		5250	5251	5250.868	-29.72	1.067	/	/	135.519	Pass
		5251	5260	5257.246	-32.01	0.629	/	/	27.848	Pass
				5259.955	-34.32	0.369	/	/	15.996	Pass
		5260	5266.7	5260.168	-33.14	0.485	/	/	15.13	Pass
				5266.66	-35.03	0.314	/	/	2.517	Pass
	5240	5142	5150	5147.544	-34.97	0.319	/	/	15	Pass
		5250	5251	5250	1.55	1429.087	-15.41	28.748	1000	Pass
				5250.987	-5.62	274.059	-20.88	8.175	103.039	Pass
		5251	5260	5251.018	-6.98	200.453	-21.06	7.830	99.632	Pass
				5255.995	-11.12	77.306	-27.52	1.769	35.975	Pass
		5260	5266.7	5260.255	-15.99	25.181	-29.89	1.025	14.771	Pass
				5266.265	-19.44	11.385	-31.79	0.663	2.807	Pass
	5260	5233.3	5240	5233.588	-27.53	1.766	/	/	2.695	Pass
				5239.866	-24.27	3.743	/	/	15.273	Pass
		5240	5249	5248.937	-12.57	55.374	/	/	98.719	Pass
		5249	5250	5249.103	-9.06	124.297	/	/	126.765	Pass
				5249.984	-2.75	531.196	/	/	963.829	Pass
	5300	5233.3	5240	5233.602	-36.03	0.250	/	/	2.705	Pass
				5236.958	-35.31	0.294	/	/	6.838	Pass
		5240	5249	5240.144	-36.23	0.238	/	/	16.323	Pass
				5246.084	-34.15	0.385	/	/	55.055	Pass
		5249	5250	5249	-34.50	0.355	/	/	100	Pass
				5249.113	-33.71	0.425	/	/	129.718	Pass
	5320	5233.3	5240	5233.481	-36.07	0.247	/	/	2.616	Pass
				5236.148	-35.93	0.256	/	/	5.467	Pass
		5240	5249	5240.054	-36.44	0.227	/	/	16.025	Pass
				5244.023	-35.53	0.280	/	/	36.108	Pass
		5249	5250	5249	-35.34	0.292	/	/	100	Pass
				5249.744	-34.43	0.361	/	/	554.626	Pass
	5500	5460	5470	5469.35	-17.41	18.176	-29.87	1.031	12.5	Pass

		5745	5765	5751.5	-35.10	0.309	/	/	12.5	Pass
	5600	5460	5470	5466.86	-35.59	0.276	/	/	12.5	Pass
		5745	5765	5757.48	-34.76	0.334	/	/	12.5	Pass
	5700	5460	5470	5461.76	-35.53	0.280	/	/	12.5	Pass
				5462.76	-35.53	0.280	/	/	12.5	Pass
		5745	5765	5745.8	-25.44	2.856	/	/	12.5	Pass
802.11n (HT20)	5180	5142	5150	5149.352	-19.54	11.109	/	/	15	Pass
		5250	5251	5250.238	-32.44	0.570	/	/	578.096	Pass
				5250.995	-33.96	0.402	/	/	101.158	Pass
		5251	5260	5257.039	-34.67	0.341	/	/	29.054	Pass
				5259.694	-35.29	0.296	/	/	16.873	Pass
		5260	5266.7	5261.032	-34.86	0.326	/	/	11.917	Pass
				5266.251	-35.34	0.292	/	/	2.818	Pass
	5200	5142	5150	5146.272	-27.90	1.623	/	/	15	Pass
		5250	5251	5250.006	-27.34	1.847	/	/	986.279	Pass
				5250.911	-28.72	1.341	/	/	122.744	Pass
		5251	5260	5254.465	-29.07	1.239	/	/	49.204	Pass
				5256.958	-29.71	1.070	/	/	29.539	Pass
		5260	5266.7	5264.985	-31.32	0.738	/	/	3.998	Pass
	5240	5142	5150	5146.44	-35.89	0.258	/	/	15	Pass
		5250	5251	5250.056	3.40	2187.483	-13.08	49.156	879.023	Pass
				5250.816	-2.42	572.378	-18.71	13.464	152.757	Pass
		5251	5260	5251.027	-6.63	217.462	-20.32	9.283	99.449	Pass
				5258.029	-12.26	59.371	-28.56	1.394	23.725	Pass
		5260	5266.7	5260.429	-14.29	37.251	-29.99	1.002	14.077	Pass
				5263.973	-14.36	36.677	-31.81	0.658	5.287	Pass
	5260	5233.3	5240	5233.648	-25.52	2.805	-35.26	0.298	2.74	Pass
				5239.94	-20.79	8.328	/	/	15.588	Pass
		5240	5249	5248.973	-10.49	89.251	/	/	99.449	Pass
		5249	5250	5249.255	-5.01	315.656	-22.59	5.510	179.887	Pass
				5249.984	0.74	1184.960	-16.06	24.781	963.829	Pass
	5300	5233.3	5240	5234.044	-35.64	0.273	/	/	3.057	Pass
				5238.07	-34.35	0.367	/	/	9.298	Pass
		5240	5249	5240.018	-35.35	0.292	/	/	15.907	Pass
				5244.284	-33.99	0.399	/	/	38.089	Pass
		5249	5250	5249.022	-32.97	0.504	/	/	105.196	Pass
				5249.451	-30.28	0.937	/	/	282.488	Pass
	5320	5233.3	5240	5233.829	-36.14	0.243	/	/	2.881	Pass

				5238.499	-35.79	0.264	/	/	10.468	Pass
		5240	5249	5240.045	-36.90	0.204	/	/	15.996	Pass
				5246.507	-35.73	0.267	/	/	60.034	Pass
		5249	5250	5249.045	-34.91	0.323	/	/	110.917	Pass
	5500	5460	5470	5468.65	-16.95	20.184	-29.67	1.078	12.5	Pass
		5745	5765	5752.18	-35.39	0.289	/	/	12.5	Pass
	5600	5460	5470	5466.25	-35.42	0.287	/	/	12.5	Pass
		5745	5765	5755.5	-34.41	0.362	/	/	12.5	Pass
	5700	5460	5470	5466.34	-34.79	0.332	/	/	12.5	Pass
		5745	5765	5745.08	-25.41	2.877	/	/	12.5	Pass
802.11n (HT40)	5190	5141.6	5150	5148.244	-12.47	56.594	-25.96	2.534	15	Pass
		5250	5251	5250.609	-21.73	6.721	/	/	123.018	Pass
				5250.958	-22.03	6.264	/	/	55.077	Pass
		5251	5270	5252.558	-23.65	4.318	/	/	42.99	Pass
				5267.283	-26.66	2.157	/	/	10.313	Pass
		5270	5278.4	5270.428	-25.77	2.646	/	/	7.469	Pass
				5276.678	-25.99	2.519	/	/	3.15	Pass
	5230	5141.6	5150	5146.38	-24.72	3.374	/	/	15	Pass
		5250	5251	5250.28	-3.82	415.005	-19.95	10.123	262.404	Pass
				5250.993	-5.45	285.296	-20.96	8.014	50.812	Pass
		5251	5270	5257.783	-7.31	185.829	-21.64	6.857	25.904	Pass
				5268.1	-10.30	93.258	-24.37	3.654	9.527	Pass
		5270	5278.4	5270.151	-9.30	117.509	-25.35	2.919	7.761	Pass
				5271.814	-9.79	104.869	-26.40	2.291	6.168	Pass
	5270	5221.6	5230	5221.701	-25.35	2.919	-40.08	0.098	2.518	Pass
				5228.522	-22.59	5.502	/	/	6.461	Pass
		5230	5249	5238.36	-17.56	17.537	/	/	17.823	Pass
				5247.651	-16.98	20.065	/	/	43.87	Pass
		5249	5250	5249.161	-13.50	44.713	/	/	72.439	Pass
				5249.9	-9.68	107.705	/	/	397.164	Pass
		5350	5358.4	5354.897	-32.43	0.571	/	/	15	Pass
	5310	5221.6	5230	5222.171	-33.44	0.453	/	/	2.687	Pass
				5229.412	-32.61	0.548	/	/	7.306	Pass
		5230	5249	5231.083	-33.09	0.491	/	/	8.802	Pass
				5247.043	-30.13	0.970	/	/	41.359	Pass
		5249	5250	5249.167	-26.91	2.035	/	/	73.446	Pass
				5249.403	-26.72	2.126	/	/	126.465	Pass
		5350	5358.4	5351.386	-24.41	3.625	/	/	15	Pass

	5510	5460	5470	5469.92	-11.73	67.196	-25.10	3.088	50	Pass
	5590	5460	5470	5467.27	-30.50	0.892	/	/	50	Pass
	5670	5460	5470	5460.33	-35.45	0.285	/	/	50	Pass
802.11ac (VHT20)	5180	5142	5150	5149.944	-20.24	9.467	/	/	15	Pass
		5250	5251	5250.728	-33.06	0.494	/	/	187.068	Pass
				5251	-34.15	0.385	/	/	100	Pass
		5251	5260	5253.331	-34.11	0.388	/	/	62.058	Pass
				5259.991	-35.72	0.268	/	/	15.878	Pass
		5260	5266.7	5264.925	-34.95	0.320	/	/	4.064	Pass
				5266.66	-36.15	0.243	/	/	2.517	Pass
	5200	5142	5150	5149.296	-25.80	2.629	/	/	15	Pass
		5250	5251	5250.228	-26.71	2.131	/	/	591.562	Pass
				5250.957	-27.98	1.593	/	/	110.408	Pass
		5251	5260	5251.927	-28.84	1.305	/	/	82.718	Pass
				5259.406	-31.34	0.734	/	/	17.898	Pass
		5260	5266.7	5262.439	-31.22	0.754	/	/	8.078	Pass
				5266.62	-31.60	0.692	/	/	2.544	Pass
	5240	5142	5150	5148.536	-35.34	0.292	/	/	15	Pass
		5250	5251	5250.028	4.13	2591.101	-12.72	53.478	937.562	Pass
				5250.7	-0.87	818.048	-17.90	16.203	199.526	Pass
		5251	5260	5251.108	-7.35	184.007	-20.56	8.792	97.814	Pass
				5256.643	-9.61	109.475	-27.40	1.818	31.506	Pass
		5260	5266.7	5260.529	-14.01	39.695	-29.92	1.019	13.694	Pass
				5265.641	-17.98	15.905	-30.72	0.847	3.335	Pass
	5260	5233.3	5240	5235.27	-22.48	5.648	-34.59	0.347	4.289	Pass
				5238.365	-21.43	7.191	/	/	10.088	Pass
		5240	5249	5248.928	-11.45	71.544	/	/	98.537	Pass
		5249	5250	5249.11	-6.46	225.934	-23.84	4.131	128.825	Pass
				5249.963	0.32	1075.910	-16.32	23.338	918.333	Pass
	5300	5233.3	5240	5233.367	-35.99	0.252	/	/	2.535	Pass
				5237.166	-35.44	0.286	/	/	7.243	Pass
		5240	5249	5240.009	-36.50	0.224	/	/	15.878	Pass
				5247.794	-33.96	0.401	/	/	78.127	Pass
		5249	5250	5249.038	-32.54	0.557	/	/	109.144	Pass
				5249.945	-31.49	0.710	/	/	881.049	Pass
	5320	5233.3	5240	5233.407	-36.25	0.237	/	/	2.564	Pass
				5237.313	-35.57	0.278	/	/	7.543	Pass
		5240	5249	5240.198	-36.37	0.231	/	/	16.504	Pass
				5247.506	-35.26	0.298	/	/	73.655	Pass
		5249	5250	5249.008	-35.06	0.312	/	/	101.859	Pass
				5249.726	-34.66	0.342	/	/	532.108	Pass
	5500	5460	5470	5468.43	-16.60	21.892	-29.69	1.074	12.5	Pass
		5745	5765	5753.08	-35.35	0.291	/	/	12.5	Pass

	5600	5460	5470	5468.32	-35.40	0.289	/	/	12.5	Pass
		5745	5765	5751.5	-34.93	0.321	/	/	12.5	Pass
	5700	5460	5470	5462.29	-35.62	0.274	/	/	12.5	Pass
		5745	5765	5745.28	-25.59	2.760	/	/	12.5	Pass
802.11ac (VHT40)	5190	5141.6	5150	5146.17	-12.29	59.039	-26.66	2.159	15	Pass
		5250	5251	5250.814	-20.93	8.080	/	/	76.731	Pass
				5250.953	-21.51	7.059	/	/	55.715	Pass
		5251	5270	5256.928	-23.86	4.114	/	/	28.143	Pass
				5266.39	-25.44	2.860	/	/	11.245	Pass
		5270	5278.4	5277.93	-26.81	2.083	/	/	2.65	Pass
	5230	5141.6	5150	5147.203	-25.40	2.881	/	/	15	Pass
		5250	5251	5250.141	-3.08	491.822	-19.35	11.612	361.385	Pass
				5250.898	-3.85	412.216	-20.91	8.114	63.237	Pass
		5251	5270	5254.933	-7.29	186.462	-21.31	7.390	34.148	Pass
				5269.639	-12.04	62.453	-25.85	2.598	8.207	Pass
		5270	5278.4	5272.083	-8.79	132.281	-26.02	2.502	5.943	Pass
	5270	5221.6	5230	5225.976	-23.32	4.654	-42.06	0.062	4.545	Pass
				5229.362	-22.43	5.709	/	/	7.256	Pass
		5230	5249	5239.253	-17.81	16.550	/	/	19.434	Pass
				5247.898	-17.46	17.935	/	/	44.933	Pass
		5249	5250	5249.03	-14.35	36.756	/	/	53.576	Pass
				5249.996	-10.07	98.289	/	/	495.416	Pass
		5350	5358.4	5351.613	-32.76	0.530	/	/	15	Pass
	5310	5221.6	5230	5221.995	-33.70	0.426	/	/	2.622	Pass
				5228.933	-33.24	0.474	/	/	6.838	Pass
		5230	5249	5230.399	-32.72	0.534	/	/	8.237	Pass
				5246.264	-30.06	0.986	/	/	38.35	Pass
		5249	5250	5249.052	-28.23	1.503	/	/	56.36	Pass
				5249.2	-26.78	2.100	/	/	79.245	Pass
		5350	5358.4	5350.815	-24.42	3.614	/	/	15	Pass
	5510	5460	5470	5469.7	-11.93	64.075	-25.19	3.025	50	Pass
	5590	5460	5470	5463.7	-30.56	0.879	/	/	50	Pass
	5670	5460	5470	5460.09	-35.69	0.270	/	/	50	Pass
802.11ac (VHT80)	5210	5123.2	5150	5145.015	-17.69	17.002	-29.12	1.226	15	Pass
		5250	5251	5250.02	-6.93	202.834	/	/	238.748	Pass

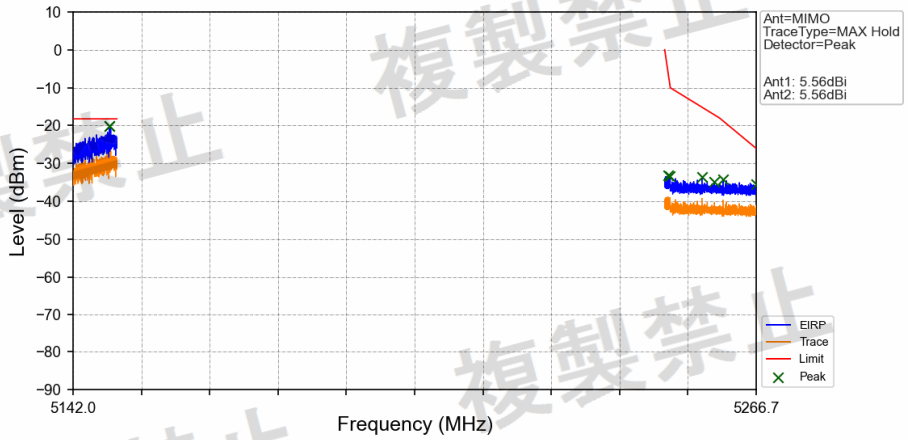
				5250.99	-11.79	66.296	-25.35	2.920	25.582	Pass
		5251	5290	5256.226	-13.37	46.078	-26.82	2.079	19.532	Pass
				5289.493	-18.79	13.219	-31.44	0.717	4.058	Pass
		5290	5296.7	5294.322	-20.01	9.974	-32.10	0.616	2.94	Pass
	5290	5203.3	5210	5204.432	-25.42	2.872	-38.13	0.154	2.697	Pass
				5209.732	-24.88	3.250	/	/	3.89	Pass
		5210	5249	5215.616	-25.06	3.116	/	/	5.166	Pass
				5248.922	-18.67	13.590	/	/	24.908	Pass
		5249	5250	5249.067	-14.95	32.011	-30.06	0.986	29.17	Pass
				5249.899	-10.33	92.699	/	/	198.125	Pass
		5350	5376.8	5357.638	-23.95	4.028	/	/	15	Pass
	5530	5460	5469.5	5460.133	-14.67	34.142	/	/	50	Pass
		5469.5	5470	5469.61	-14.09	38.989	/	/	51.2	Pass
	5610	5460	5469.5	5467.923	-23.63	4.331	/	/	50	Pass
		5469.5	5470	5469.576	-21.94	6.404	/	/	51.2	Pass
802.11ax (HEW20)	5180	5142	5150	5147.864	-20.81	8.302	/	/	15	Pass
		5250	5250.2	5250.161	-32.26	0.595	/	/	801.678	Pass
				5250.169	-32.29	0.591	/	/	763.25	Pass
		5250.2	5251	5250.598	-32.34	0.583	/	/	252.348	Pass
				5250.998	-33.63	0.434	/	/	100.462	Pass
		5251	5260	5259.721	-33.23	0.475	/	/	16.78	Pass
		5260	5266.7	5264.201	-34.41	0.362	/	/	4.965	Pass
				5266.151	-34.79	0.332	/	/	2.897	Pass
	5200	5142	5150	5145.688	-27.38	1.828	/	/	15	Pass
		5250	5250.2	5250.084	-27.09	1.954	/	/	1286.274	Pass
				5250.172	-27.94	1.605	/	/	749.319	Pass
		5250.2	5251	5250.498	-27.46	1.796	/	/	317.687	Pass
				5250.947	-28.40	1.445	/	/	112.98	Pass
		5251	5260	5252.854	-29.79	1.049	/	/	68.423	Pass
				5258.911	-31.86	0.651	/	/	19.806	Pass
		5260	5266.7	5261.635	-29.69	1.075	/	/	10.088	Pass
				5266.07	-32.44	0.570	/	/	2.962	Pass
	5240	5142	5150	5145.288	-33.19	0.480	/	/	15	Pass
		5250	5250.2	5250.058	7.30	5371.830	-5.15	305.269	1508.922	Pass
				5250.183	6.26	4231.154	-7.17	192.016	700.379	Pass
		5250.2	5251	5250.244	5.47	3520.205	-8.40	144.677	570.164	Pass
				5250.413	4.34	2716.663	-11.89	64.686	386.367	Pass
		5251	5260	5251	-6.12	244.157	-22.43	5.710	100	Pass

		5260	5266.7	5261.032	-14.67	34.117	-31.45	0.716	11.917	Pass
				5266.606	-19.10	12.296	-33.77	0.420	2.554	Pass
	5260	5233.3	5240	5235.344	-24.60	3.467	/	/	4.378	Pass
				5239.893	-22.29	5.907	/	/	15.387	Pass
		5240	5249	5249	-9.58	110.188	-27.92	1.615	100	Pass
		5249	5249.8	5249.729	1.79	1511.648	-12.09	61.787	535.797	Pass
		5249.8	5250	5249.805	1.60	1445.630	-10.42	90.694	650.629	Pass
				5249.963	3.82	2408.678	-7.60	173.684	1716.59	Pass
	5300	5233.3	5240	5233.488	-36.25	0.237	/	/	2.622	Pass
				5239.786	-35.51	0.281	/	/	14.939	Pass
		5240	5249	5240.378	-35.60	0.276	/	/	17.124	Pass
				5248.505	-34.45	0.359	/	/	90.365	Pass
		5249	5249.8	5249.023	-33.06	0.495	/	/	105.439	Pass
				5249.505	-32.26	0.595	/	/	319.89	Pass
		5249.8	5250	5249.823	-32.96	0.506	/	/	726.663	Pass
				5249.956	-32.76	0.530	/	/	1644.372	Pass
	5320	5233.3	5240	5233.789	-35.70	0.269	/	/	2.849	Pass
				5239.377	-35.00	0.316	/	/	13.343	Pass
		5240	5249	5240.189	-36.34	0.232	/	/	16.474	Pass
				5245.634	-34.99	0.317	/	/	50.211	Pass
		5249	5249.8	5249.069	-34.56	0.350	/	/	117.22	Pass
		5249.8	5250	5249.803	-34.64	0.343	/	/	642.688	Pass
				5249.997	-34.38	0.365	/	/	2115.112	Pass
	5500	5460	5470	5469.77	-17.15	19.254	-29.68	1.076	12.5	Pass
		5745	5765	5753.48	-35.33	0.293	/	/	12.5	Pass
	5600	5460	5470	5468.33	-34.90	0.324	/	/	12.5	Pass
		5745	5765	5751.74	-34.85	0.327	/	/	12.5	Pass
	5700	5460	5470	5467.72	-35.14	0.306	/	/	12.5	Pass
		5745	5765	5745.8	-24.90	3.237	/	/	12.5	Pass
802.11ax (HEW40)	5190	5141.6	5150	5143.86	-13.71	42.573	-28.00	1.586	15	Pass
		5250	5251	5250.069	-22.66	5.414	/	/	426.55	Pass
				5250.981	-23.72	4.250	/	/	52.236	Pass
		5251	5270	5255.047	-24.13	3.864	/	/	33.773	Pass
				5268.518	-26.95	2.017	/	/	9.149	Pass
		5270	5278.4	5275.183	-26.29	2.347	/	/	3.872	Pass

				5277.4	-27.20	1.906	/	/	2.851	Pass
	5230	5141.6	5150	5149.546	-23.73	4.238	/	/	15	Pass
		5250	5251	5250.03	-0.57	877.895	-14.42	36.142	466.627	Pass
				5250.907	-4.63	344.165	-20.26	9.426	61.94	Pass
		5251	5270	5252.577	-4.39	364.148	-19.94	10.146	42.911	Pass
				5266.865	-7.81	165.551	-22.73	5.328	10.739	Pass
		5270	5278.4	5270.958	-12.46	56.700	-25.12	3.074	6.942	Pass
				5278.4	-13.82	41.512	-29.42	1.143	2.483	Pass
	5270	5221.6	5230	5224.137	-26.55	2.213	/	/	3.525	Pass
				5227.287	-25.94	2.544	/	/	5.447	Pass
		5230	5249	5238.265	-19.05	12.445	/	/	17.659	Pass
				5247.347	-18.56	13.924	/	/	42.596	Pass
		5249	5250	5249.969	-5.56	278.058	/	/	465.554	Pass
				5249.992	-5.53	280.019	/	/	490.874	Pass
		5350	5358.4	5356.628	-36.54	0.222	/	/	15	Pass
	5310	5221.6	5230	5224.557	-35.14	0.306	/	/	3.736	Pass
				5229.714	-33.97	0.401	/	/	7.617	Pass
		5230	5249	5233.154	-32.77	0.529	/	/	10.759	Pass
				5238.778	-30.75	0.841	/	/	18.56	Pass
		5249	5250	5249.047	-31.05	0.786	/	/	55.715	Pass
				5249.84	-28.57	1.389	/	/	345.915	Pass
		5350	5358.4	5355.107	-25.22	3.006	/	/	15	Pass
	5510	5460	5470	5468.41	-12.00	63.155	-25.82	2.619	50	Pass
	5590	5460	5470	5461.19	-28.54	1.399	/	/	50	Pass
	5670	5460	5470	5465.06	-33.85	0.412	/	/	50	Pass
802.11ax (HEW80)	5210	5123.2	5150	5144.935	-16.19	24.064	-27.50	1.780	15	Pass
		5250	5251	5250.001	-2.88	515.225	-17.67	17.101	249.425	Pass
				5250.947	-11.09	77.891	-24.93	3.216	28.245	Pass
		5251	5290	5257.981	-14.53	35.251	-26.25	2.372	17.978	Pass
				5280.094	-17.12	19.387	-28.67	1.357	6.326	Pass
		5290	5296.7	5290.429	-18.77	13.265	-30.64	0.864	3.847	Pass
	5290	5203.3	5210	5205.973	-26.57	2.201	/	/	3	Pass
				5207.863	-26.03	2.497	/	/	3.418	Pass
		5210	5249	5211.599	-24.86	3.265	/	/	4.273	Pass
				5248.961	-18.49	14.162	/	/	24.954	Pass
		5249	5250	5249.031	-13.97	40.122	-31.65	0.684	26.85	Pass
				5249.959	-6.50	223.935	/	/	227.478	Pass
		5350	5376.8	5353.725	-23.72	4.247	/	/	15	Pass
	5530	5460	5469.5	5466.812	-14.70	33.904	/	/	50	Pass
		5469.5	5470	5469.997	-13.03	49.730	/	/	51.2	Pass

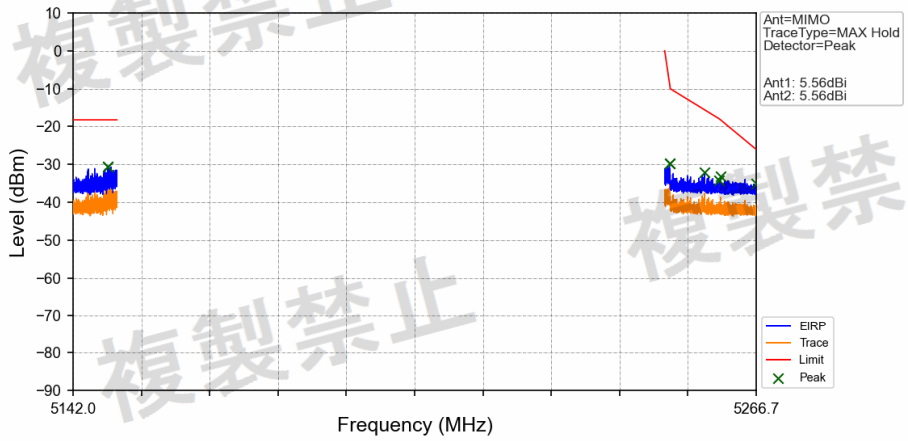
	5610	5460	5469.5	5462.518	-22.70	5.366	/	/	50	Pass
		5469.5	5470	5469.645	-21.52	7.042	/	/	51.2	Pass

802.11a_LCH_5180MHz_MIMO_NTNV



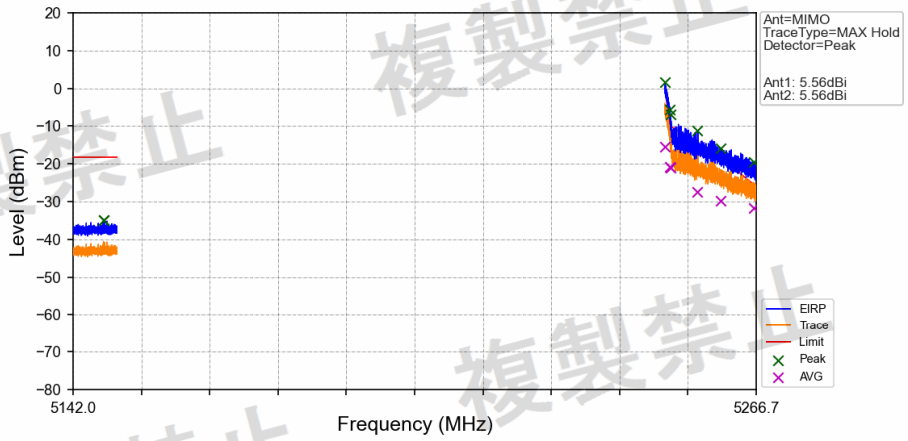
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.584	-25.74	/	MIMO	-20.19	/	-18.24	Pass
5142	5150	1	1	5148.584	-25.74	/	MIMO	-20.19	/	-18.24	Pass
5250	5251	1	1	5250.593	-38.79	/	MIMO	-33.23	/	-5.93	Pass
5250	5251	1	1	5250.954	-39.04	/	MIMO	-33.48	/	-9.54	Pass
5251	5260	1	1	5256.787	-39.20	/	MIMO	-33.64	/	-15.14	Pass
5251	5260	1	1	5259.073	-40.35	/	MIMO	-34.79	/	-17.18	Pass
5260	5266.7	1	1	5260.630	-39.71	/	MIMO	-34.15	/	-18.76	Pass
5260	5266.7	1	1	5266.687	-41.07	/	MIMO	-35.51	/	-26.02	Pass

802.11a_MCH_5200MHz_MIMO_NTNV



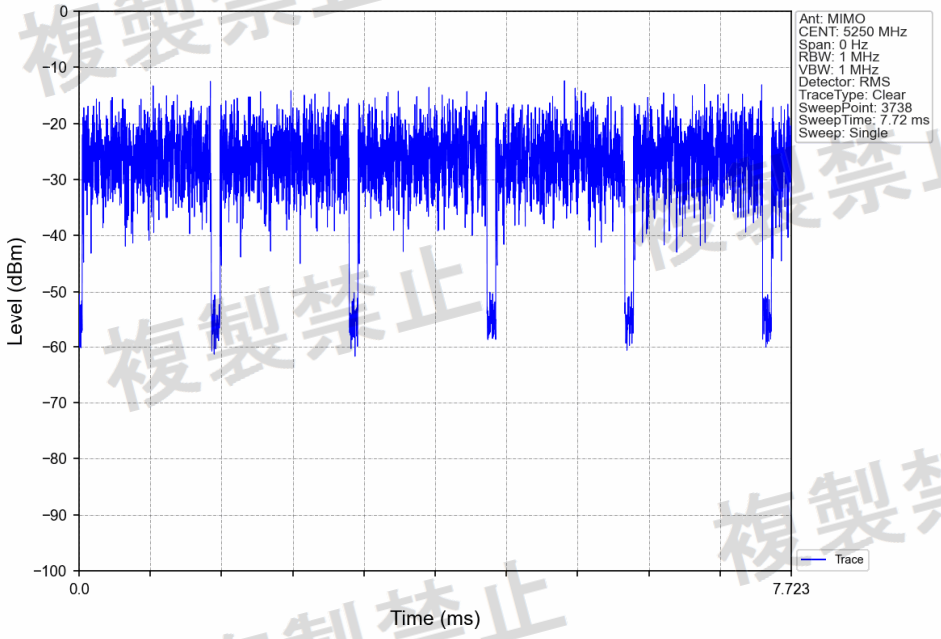
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.352	-36.19	/	MIMO	-30.63	/	-18.24	Pass
5142	5150	1	1	5148.352	-36.19	/	MIMO	-30.63	/	-18.24	Pass
5250	5251	1	1	5250.868	-35.28	/	MIMO	-29.72	/	-8.68	Pass
5250	5251	1	1	5250.868	-35.28	/	MIMO	-29.72	/	-8.68	Pass
5251	5260	1	1	5257.246	-37.57	/	MIMO	-32.01	/	-15.55	Pass
5251	5260	1	1	5259.955	-39.89	/	MIMO	-34.32	/	-17.96	Pass
5260	5266.7	1	1	5260.168	-38.70	/	MIMO	-33.14	/	-18.2	Pass
5260	5266.7	1	1	5266.660	-40.60	/	MIMO	-35.03	/	-25.99	Pass

802.11a_HCH_5240MHz_MIMO_NTNV

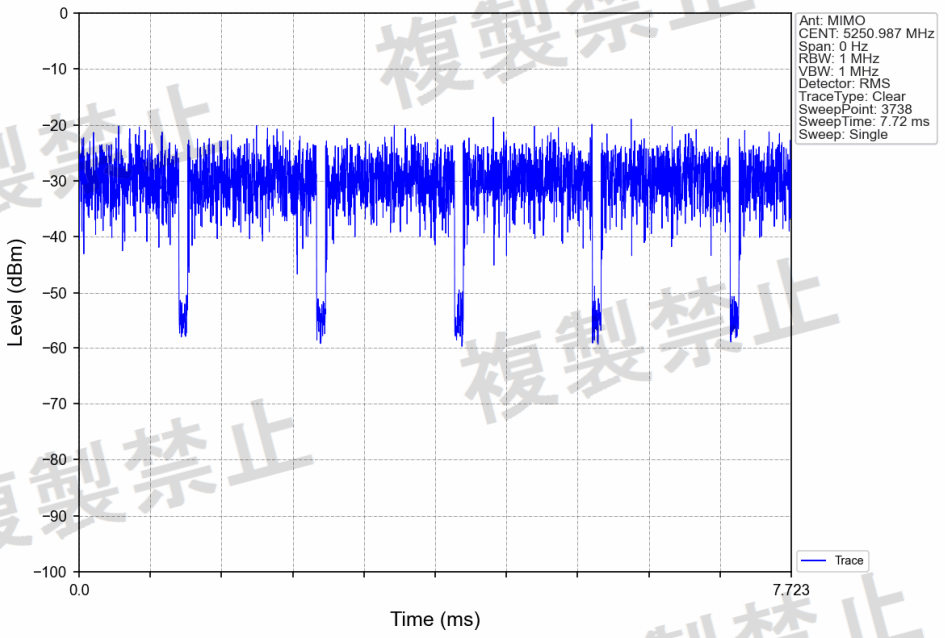


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.544	-40.53	/	MIMO	-34.97	/	-18.24	Pass
5142	5150	1	1	5147.544	-40.53	/	MIMO	-34.97	/	-18.24	Pass
5250	5251	1	1	5250.000	-4.01	-20.97	MIMO	1.55	-15.41	0	Pass
5250	5251	1	1	5250.987	-11.18	-26.44	MIMO	-5.62	-20.88	-9.87	Pass
5251	5260	1	1	5251.018	-12.54	-26.62	MIMO	-6.98	-21.06	-10.02	Pass
5251	5260	1	1	5255.995	-16.68	-33.08	MIMO	-11.12	-27.52	-14.44	Pass
5260	5266.7	1	1	5260.255	-21.55	-35.45	MIMO	-15.99	-29.89	-18.31	Pass
5260	5266.7	1	1	5266.265	-24.99	-37.35	MIMO	-19.44	-31.79	-25.52	Pass

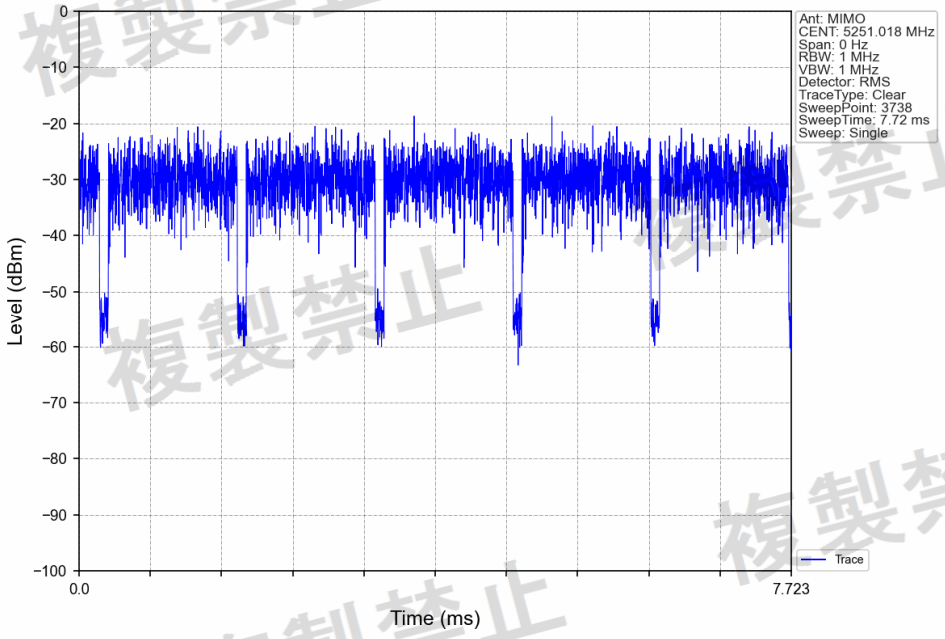
802.11a_HCH_5240MHz_MIMO_NTNV



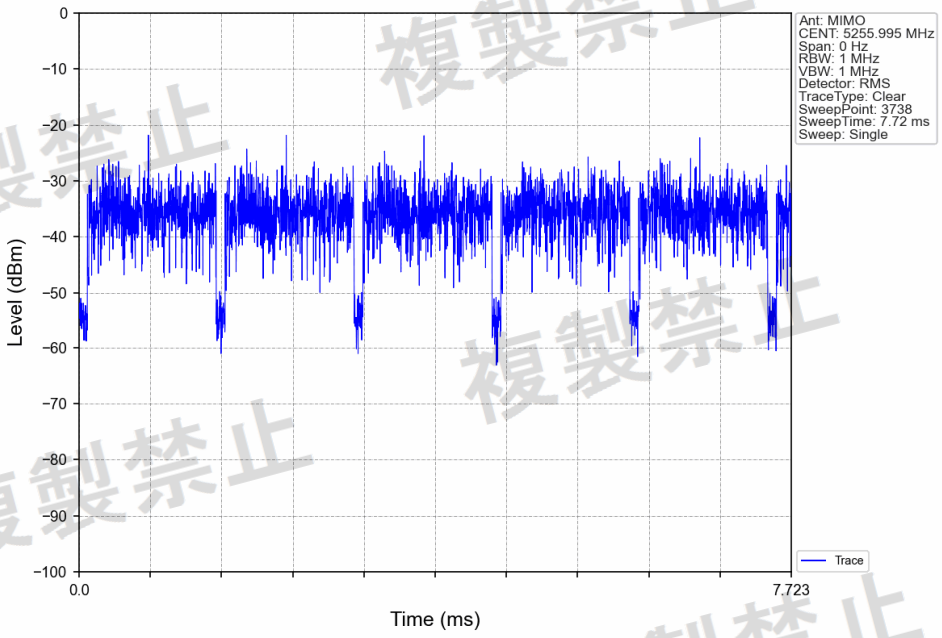
802.11a_HCH_5240MHz_MIMO_NTNV



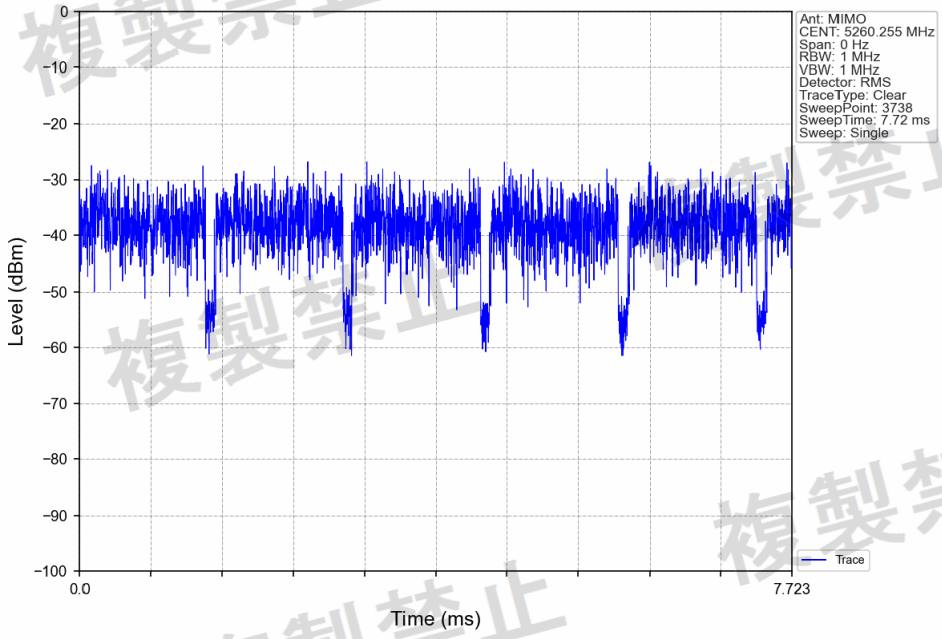
802.11a_HCH_5240MHz_MIMO_NTNV



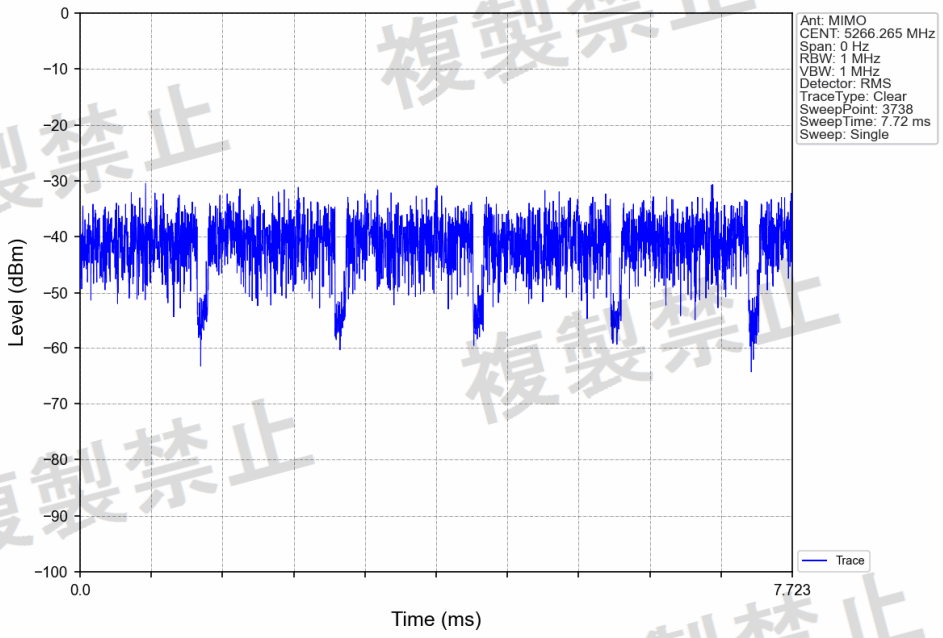
802.11a_HCH_5240MHz_MIMO_NTNV



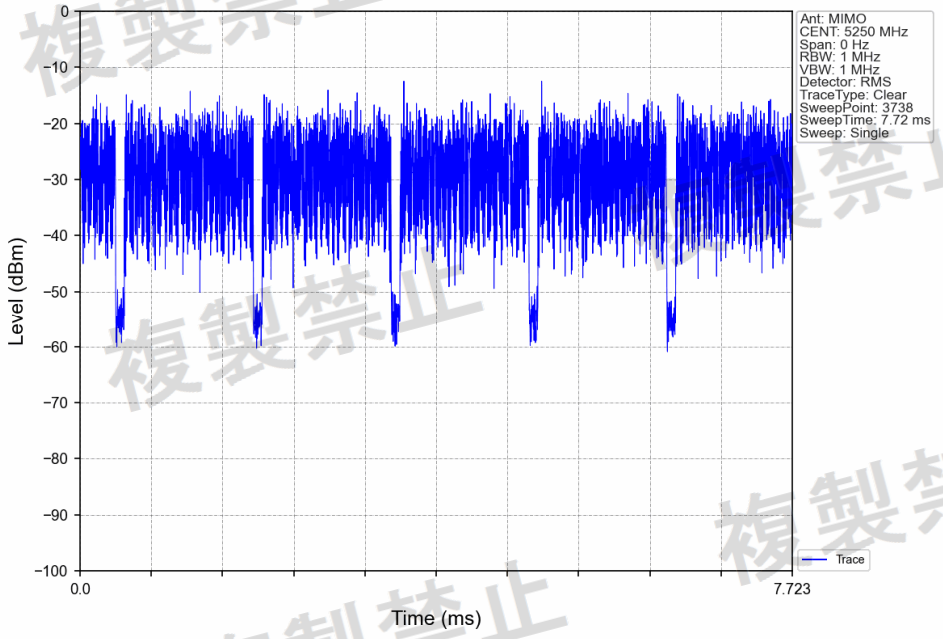
802.11a_HCH_5240MHz_MIMO_NTNV



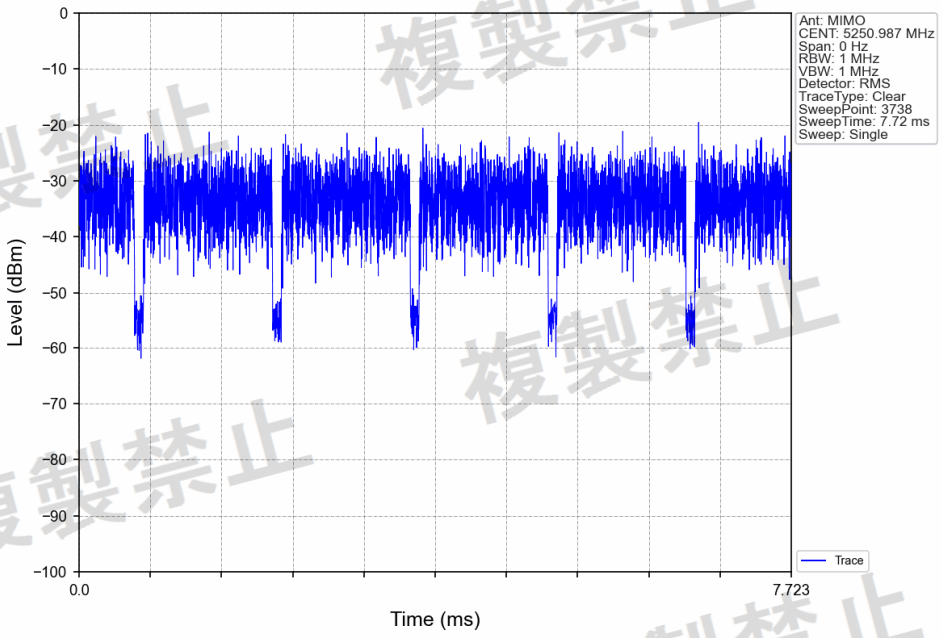
802.11a_HCH_5240MHz_MIMO_NTNV



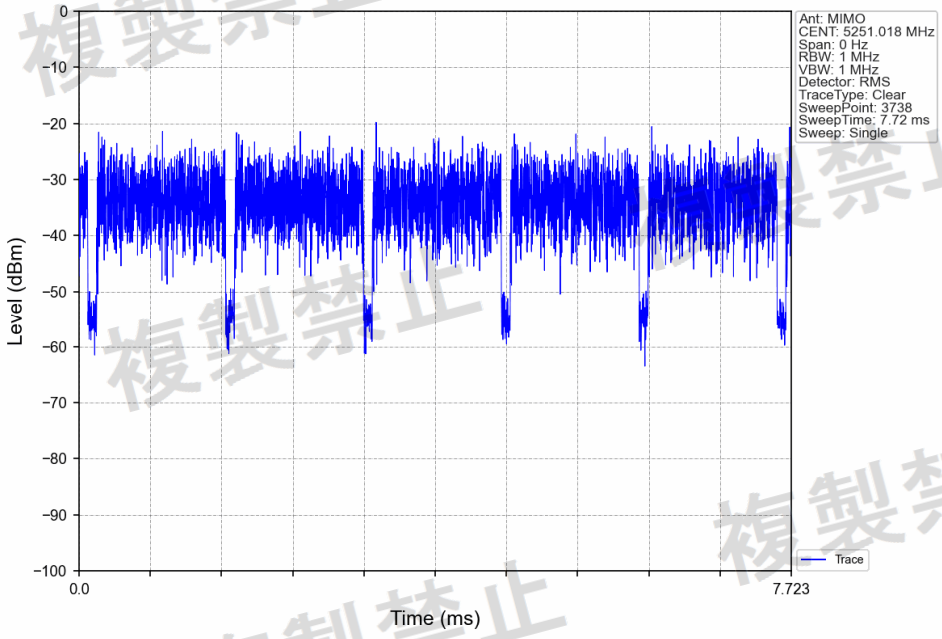
802.11a_HCH_5240MHz_MIMO_NTNV



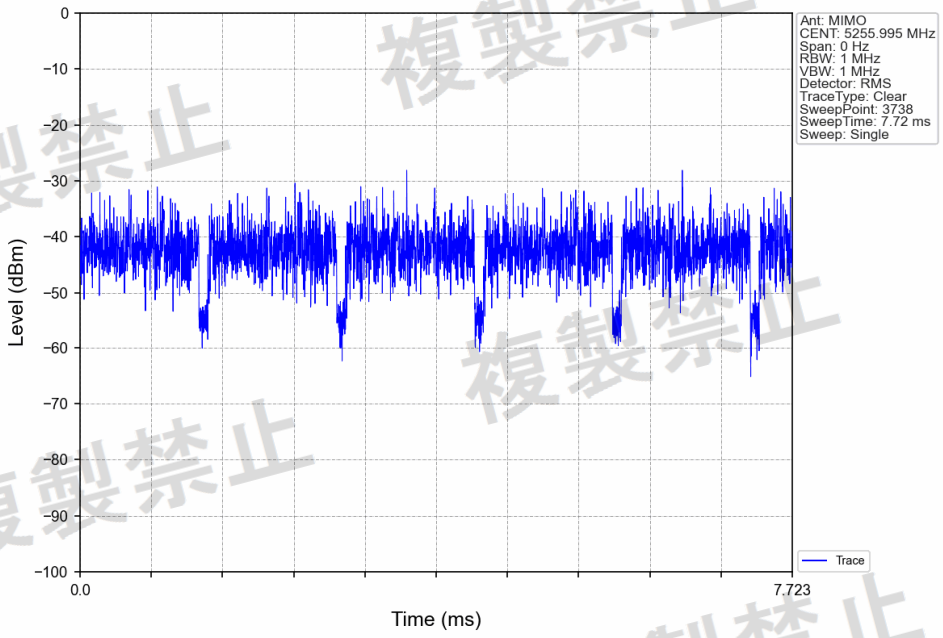
802.11a_HCH_5240MHz_MIMO_NTNV



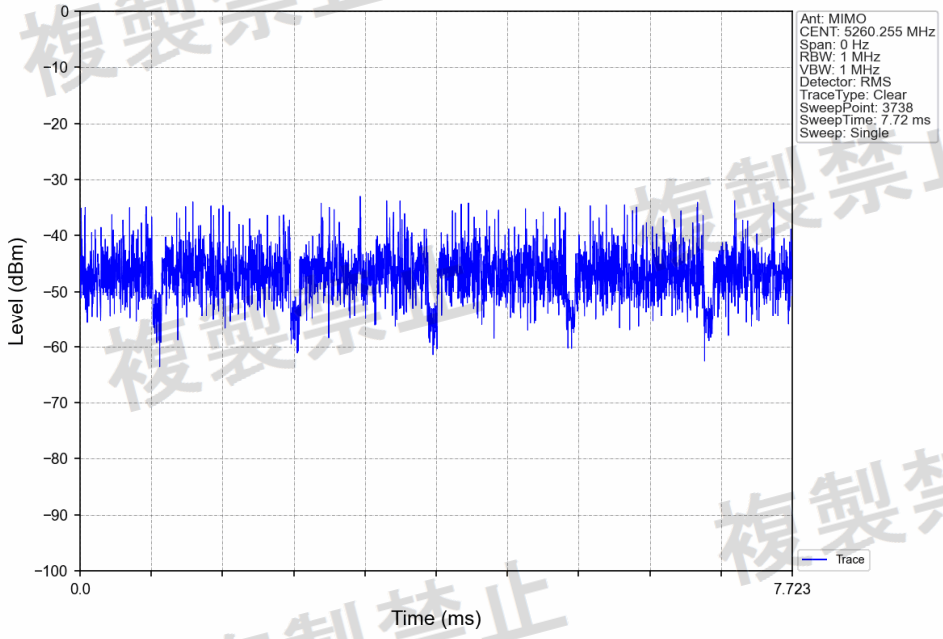
802.11a_HCH_5240MHz_MIMO_NTNV



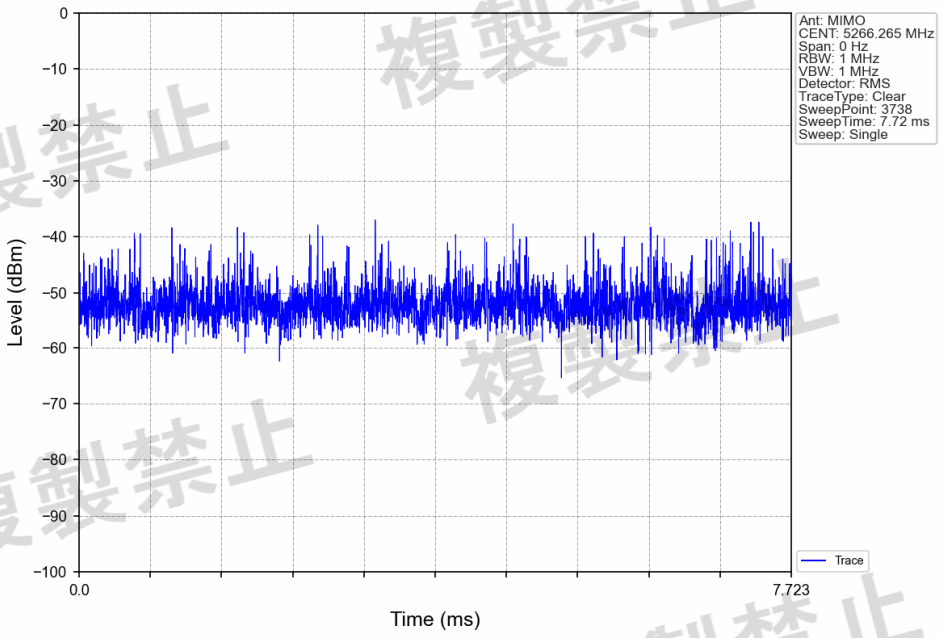
802.11a_HCH_5240MHz_MIMO_NTNV



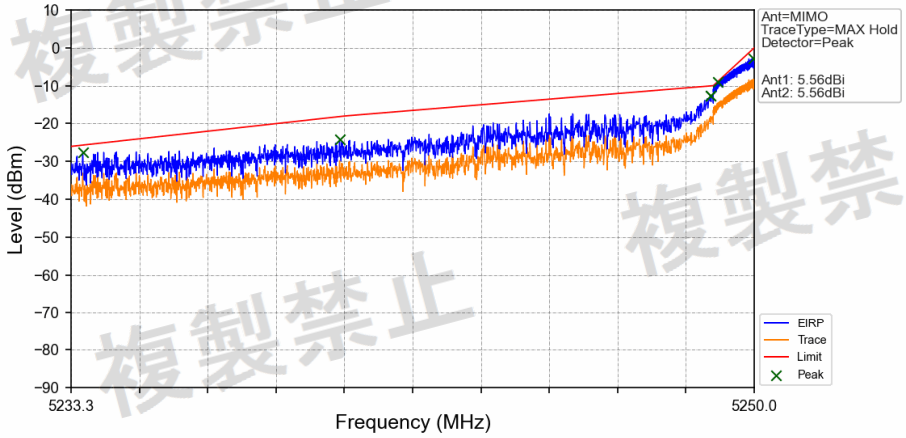
802.11a_HCH_5240MHz_MIMO_NTNV



802.11a_HCH_5240MHz_MIMO_NTNV

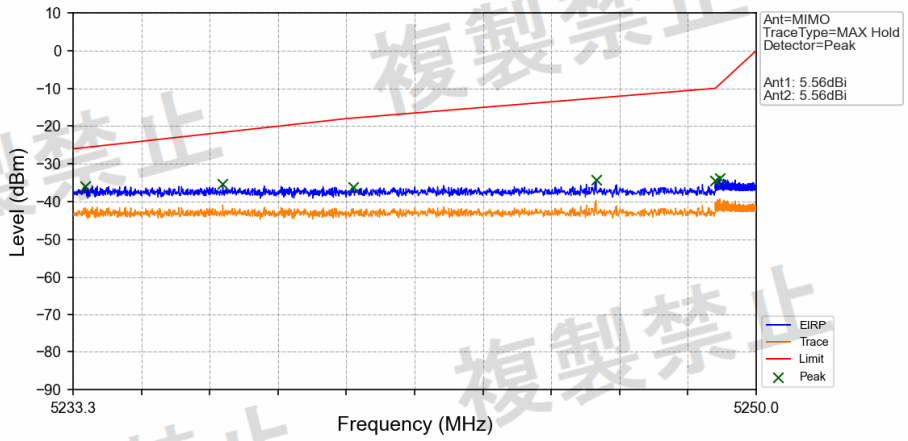


802.11a_LCH_5260MHz_MIMO_NTNV



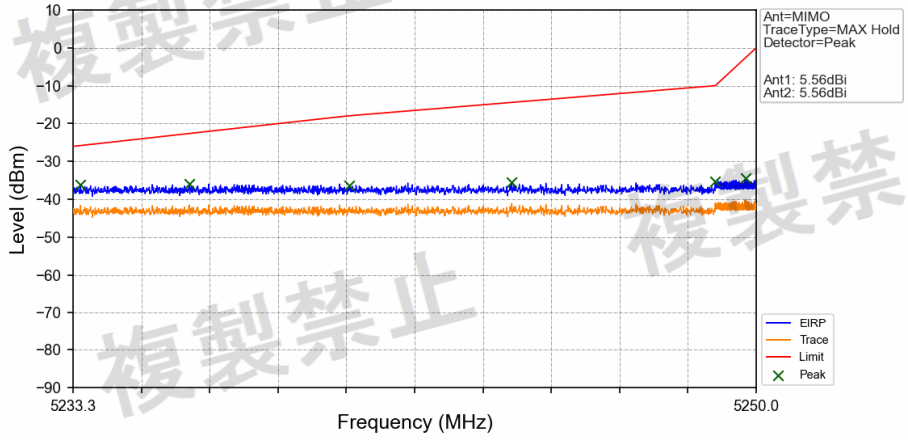
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.588	-33.09	/	MIMO	-27.53	/	-25.69	Pass
5233.3	5240	1	1	5239.866	-29.83	/	MIMO	-24.27	/	-18.16	Pass
5240	5249	1	1	5248.937	-18.13	/	MIMO	-12.57	/	-10.06	Pass
5240	5249	1	1	5248.937	-18.13	/	MIMO	-12.57	/	-10.06	Pass
5249	5250	1	1	5249.103	-14.62	/	MIMO	-9.06	/	-8.97	Pass
5249	5250	1	1	5249.984	-8.31	/	MIMO	-2.75	/	-0.16	Pass

802.11a_MCH_5300MHz_MIMO_NTNV



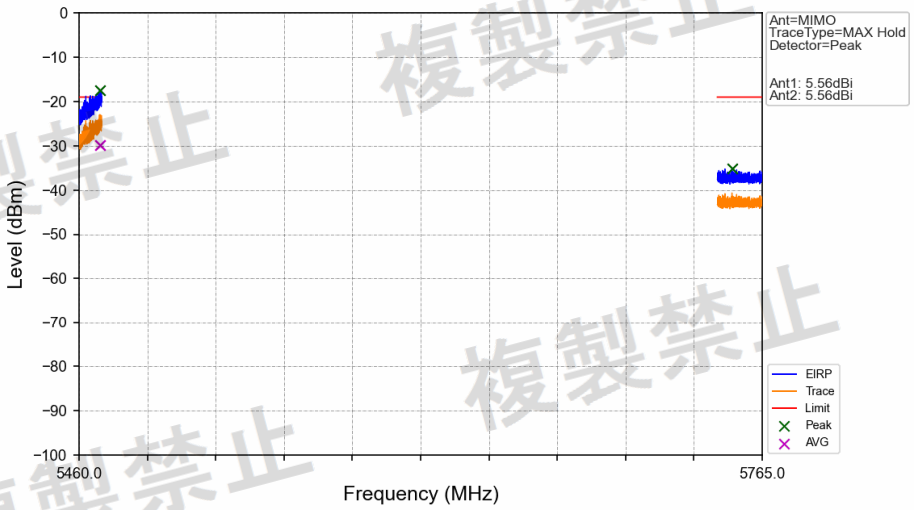
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.602	-41.58	/	MIMO	-36.03	/	-25.68	Pass
5233.3	5240	1	1	5236.958	-40.87	/	MIMO	-35.31	/	-21.65	Pass
5240	5249	1	1	5240.144	-41.79	/	MIMO	-36.23	/	-17.87	Pass
5240	5249	1	1	5246.084	-39.70	/	MIMO	-34.15	/	-12.59	Pass
5249	5250	1	1	5249.000	-40.06	/	MIMO	-34.50	/	-10	Pass
5249	5250	1	1	5249.113	-39.27	/	MIMO	-33.71	/	-8.87	Pass

802.11a_HCH_5320MHz_MIMO_NTNV



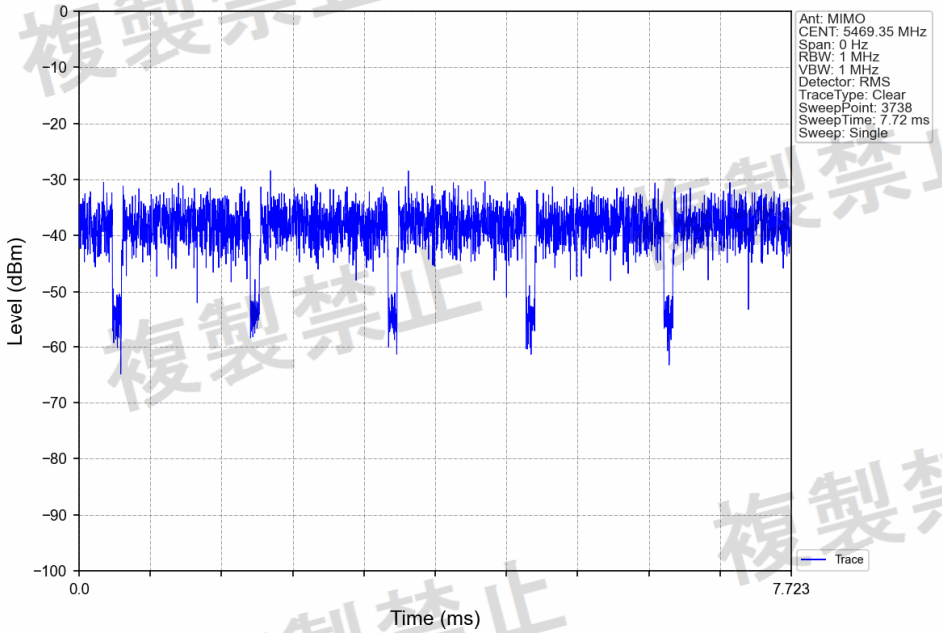
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.481	-41.63	/	MIMO	-36.07	/	-25.82	Pass
5233.3	5240	1	1	5236.148	-41.49	/	MIMO	-35.93	/	-22.62	Pass
5240	5249	1	1	5240.054	-42.00	/	MIMO	-36.44	/	-17.95	Pass
5240	5249	1	1	5244.023	-41.09	/	MIMO	-35.53	/	-14.42	Pass
5249	5250	1	1	5249.000	-40.90	/	MIMO	-35.34	/	-10	Pass
5249	5250	1	1	5249.744	-39.99	/	MIMO	-34.43	/	-2.56	Pass

802.11a_LCH_5500MHz_MIMO_NTNV

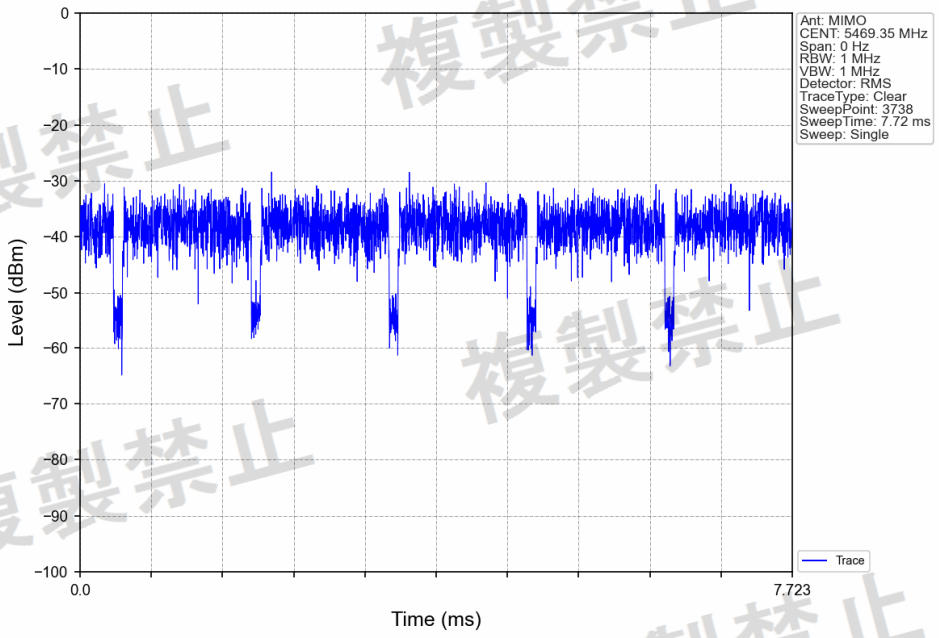


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5469.350	-22.97	-35.43	MIMO	-17.41	-29.87	-19.03	Pass
5460	5470	1	1	5469.350	-22.97	-35.43	MIMO	-17.41	-29.87	-19.03	Pass
5745	5765	1	1	5751.500	-40.66	/	MIMO	-35.10	/	-19.03	Pass
5745	5765	1	1	5751.500	-40.66	/	MIMO	-35.10	/	-19.03	Pass

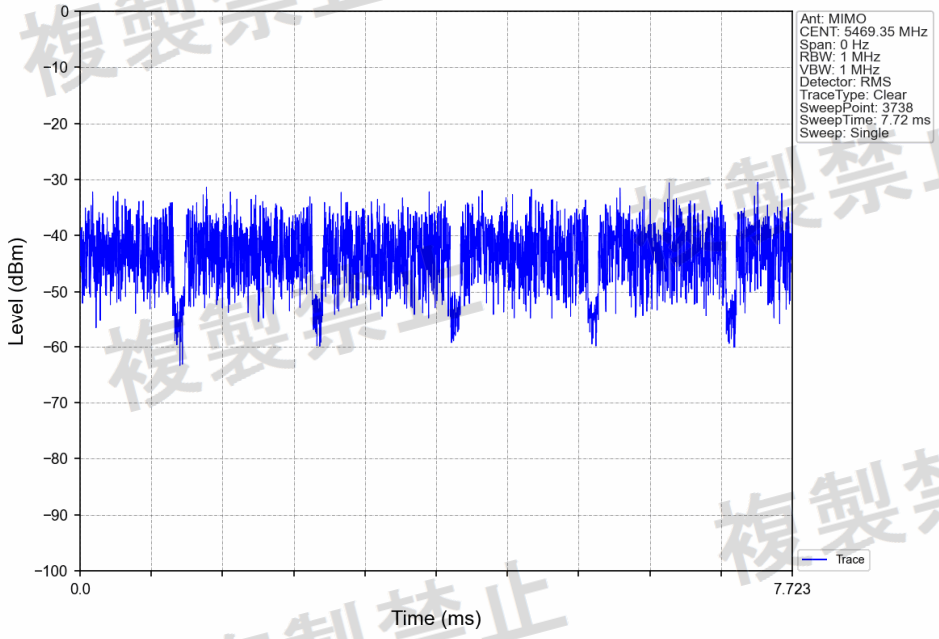
802.11a_LCH_5500MHz_MIMO_NTNV



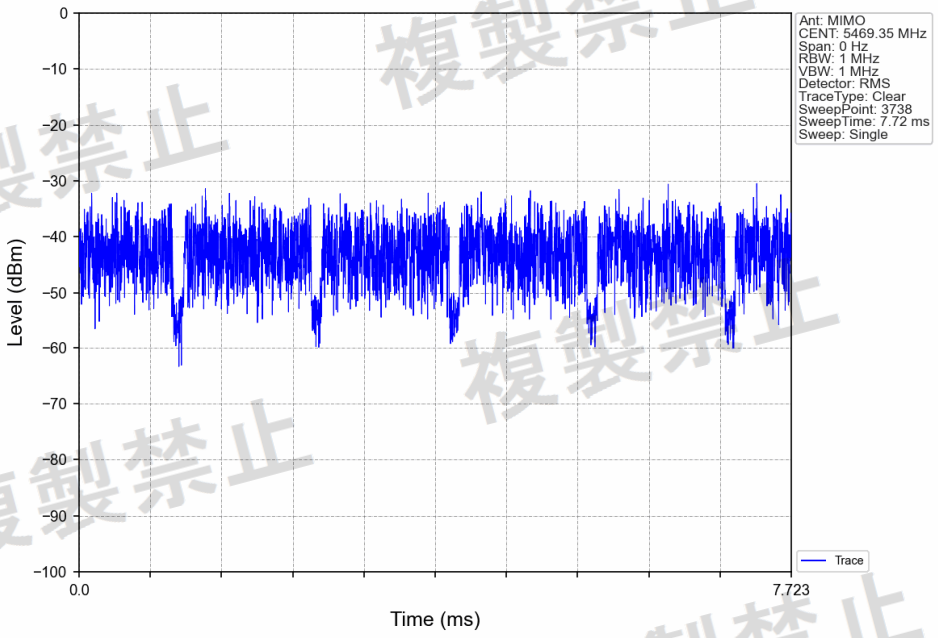
802.11a_LCH_5500MHz_MIMO_NTNV



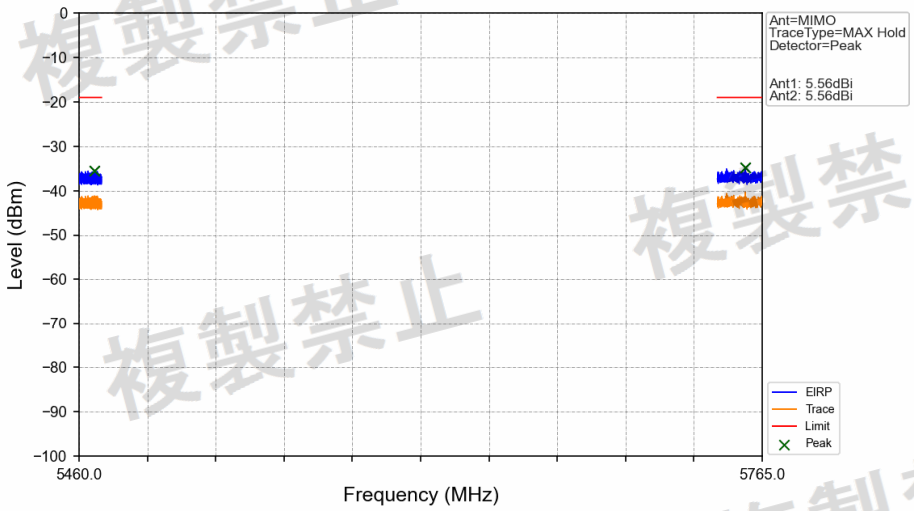
802.11a_LCH_5500MHz_MIMO_NTNV



802.11a_LCH_5500MHz_MIMO_NTNV

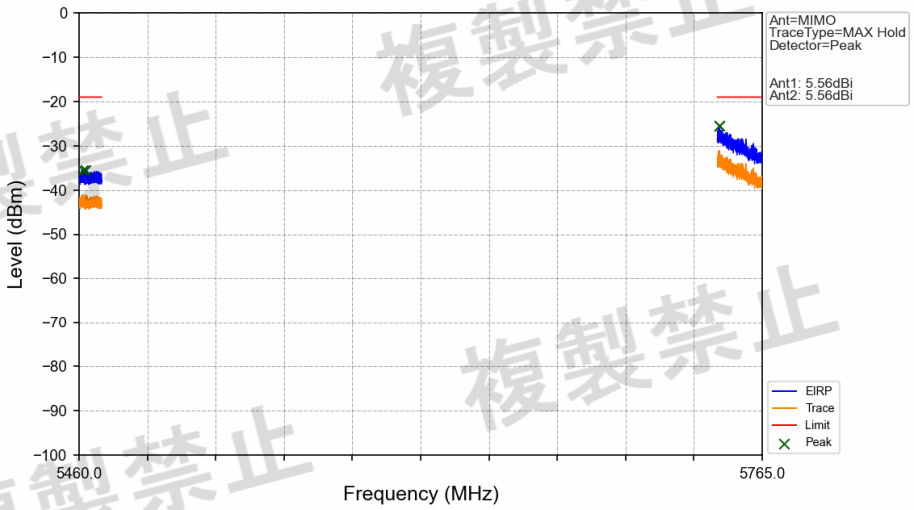


802.11a_MCH_5600MHz_MIMO_NTNV



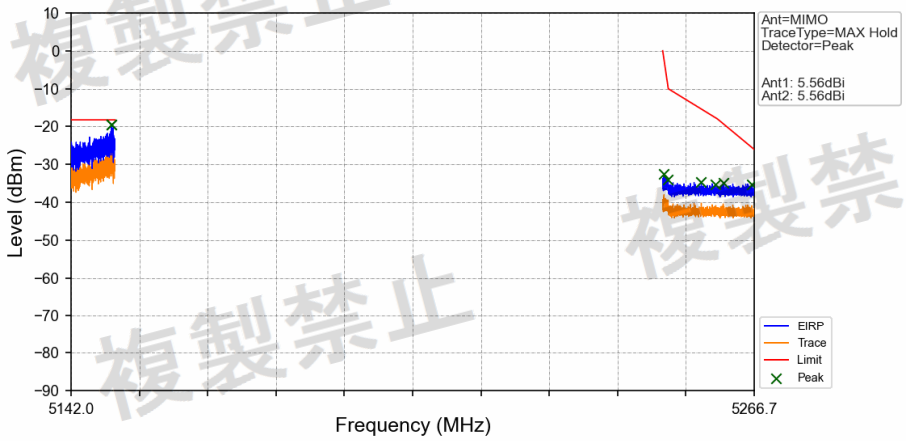
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5466.860	-41.15	/	MIMO	-35.59	/	-19.03	Pass
5460	5470	1	1	5466.860	-41.15	/	MIMO	-35.59	/	-19.03	Pass
5745	5765	1	1	5757.480	-40.32	/	MIMO	-34.76	/	-19.03	Pass
5745	5765	1	1	5757.480	-40.32	/	MIMO	-34.76	/	-19.03	Pass

802.11a_HCH_5700MHz_MIMO_NTNV



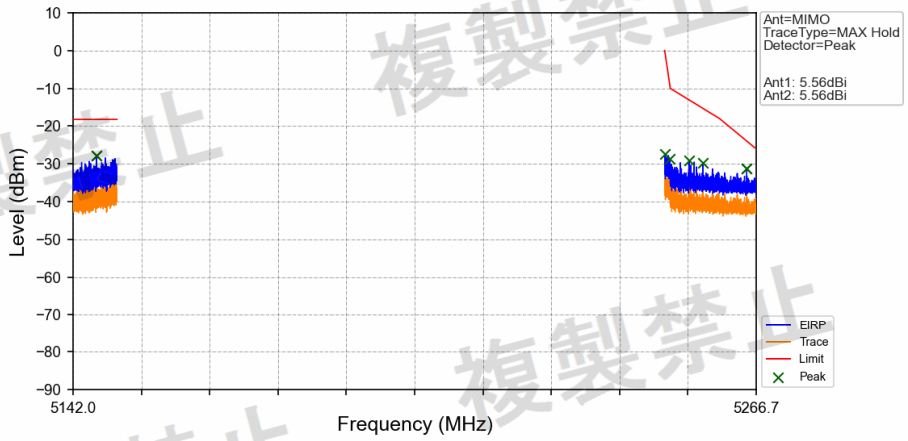
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5461.760	-41.09	/	MIMO	-35.53	/	-19.03	Pass
5460	5470	1	1	5462.760	-41.09	/	MIMO	-35.53	/	-19.03	Pass
5745	5765	1	1	5745.800	-31.00	/	MIMO	-25.44	/	-19.03	Pass
5745	5765	1	1	5745.800	-31.00	/	MIMO	-25.44	/	-19.03	Pass

802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



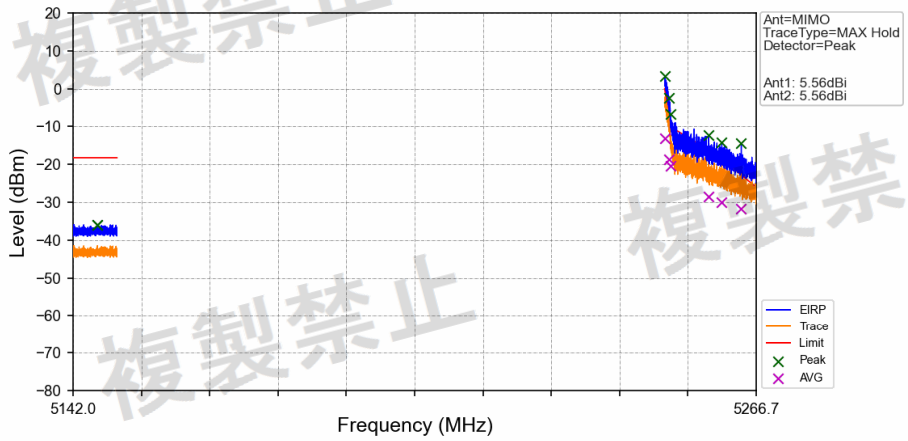
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.352	-25.11	/	MIMO	-19.54	/	-18.24	Pass
5142	5150	1	1	5149.352	-25.11	/	MIMO	-19.54	/	-18.24	Pass
5250	5251	1	1	5250.238	-38.00	/	MIMO	-32.44	/	-2.38	Pass
5250	5251	1	1	5250.995	-39.52	/	MIMO	-33.96	/	-9.95	Pass
5251	5260	1	1	5257.039	-40.23	/	MIMO	-34.67	/	-15.37	Pass
5251	5260	1	1	5259.694	-40.85	/	MIMO	-35.29	/	-17.73	Pass
5260	5266.7	1	1	5261.032	-40.42	/	MIMO	-34.86	/	-19.24	Pass
5260	5266.7	1	1	5266.251	-40.90	/	MIMO	-35.34	/	-25.5	Pass

802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



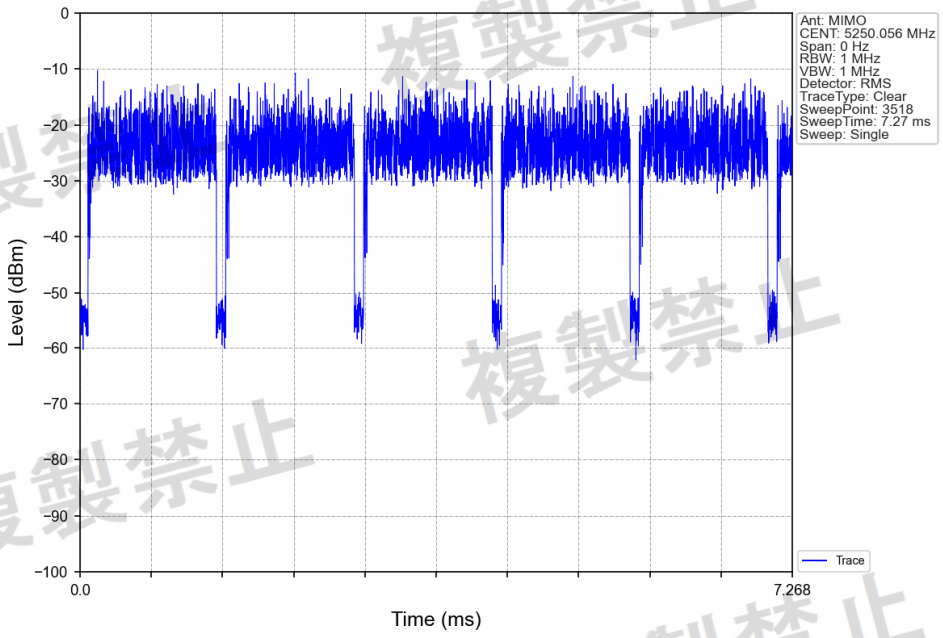
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5146.272	-33.46	/	MIMO	-27.90	/	-18.24	Pass
5142	5150	1	1	5146.272	-33.46	/	MIMO	-27.90	/	-18.24	Pass
5250	5251	1	1	5250.006	-32.89	/	MIMO	-27.34	/	-0.06	Pass
5250	5251	1	1	5250.911	-34.28	/	MIMO	-28.72	/	-9.11	Pass
5251	5260	1	1	5254.465	-34.63	/	MIMO	-29.07	/	-13.08	Pass
5251	5260	1	1	5256.958	-35.27	/	MIMO	-29.71	/	-15.3	Pass
5260	5266.7	1	1	5264.985	-36.88	/	MIMO	-31.32	/	-23.98	Pass
5260	5266.7	1	1	5264.985	-36.88	/	MIMO	-31.32	/	-23.98	Pass

802.11n(HT20)_HCH_5240MHz_MIMO_NTNV

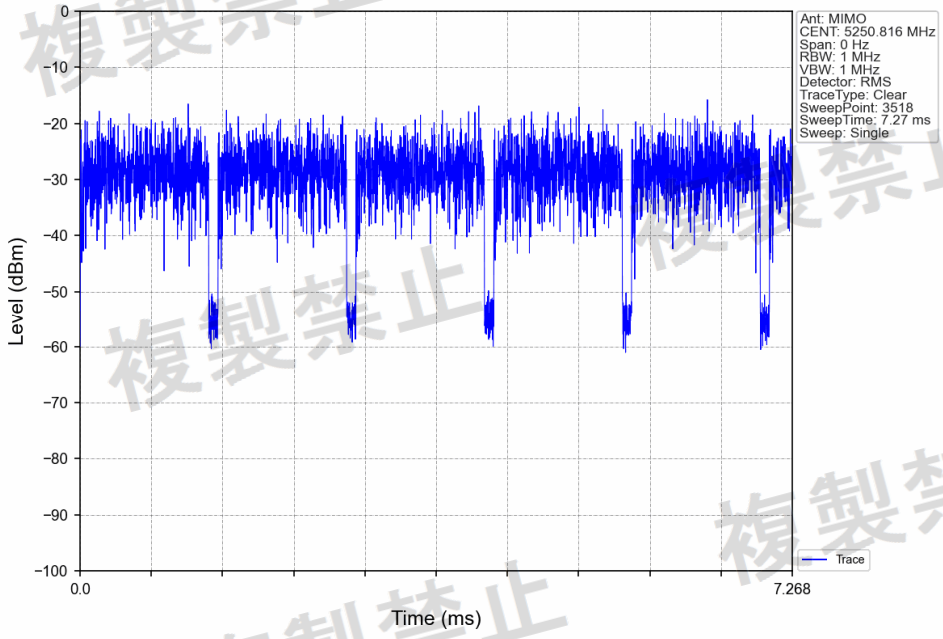


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5146.440	-41.44	/	MIMO	-35.89	/	-18.24	Pass
5142	5150	1	1	5146.440	-41.44	/	MIMO	-35.89	/	-18.24	Pass
5250	5251	1	1	5250.056	-2.16	-18.64	MIMO	3.40	-13.08	-0.56	Pass
5250	5251	1	1	5250.816	-7.99	-24.27	MIMO	-2.42	-18.71	-8.16	Pass
5251	5260	1	1	5251.027	-12.19	-25.88	MIMO	-6.63	-20.32	-10.02	Pass
5251	5260	1	1	5258.029	-17.82	-34.12	MIMO	-12.26	-28.56	-16.25	Pass
5260	5266.7	1	1	5260.429	-19.85	-35.55	MIMO	-14.29	-29.99	-18.51	Pass
5260	5266.7	1	1	5263.973	-19.91	-37.37	MIMO	-14.36	-31.81	-22.77	Pass

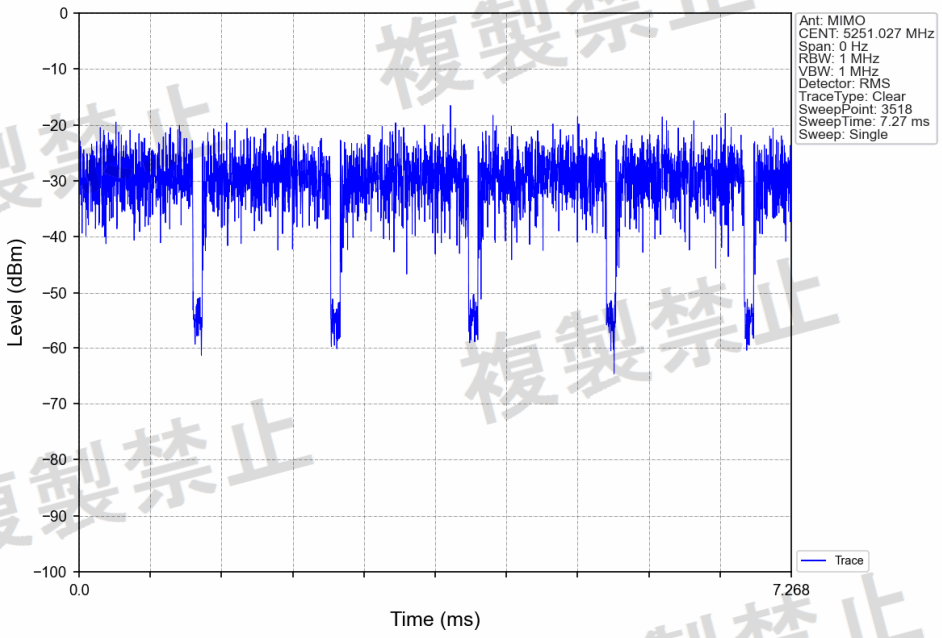
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



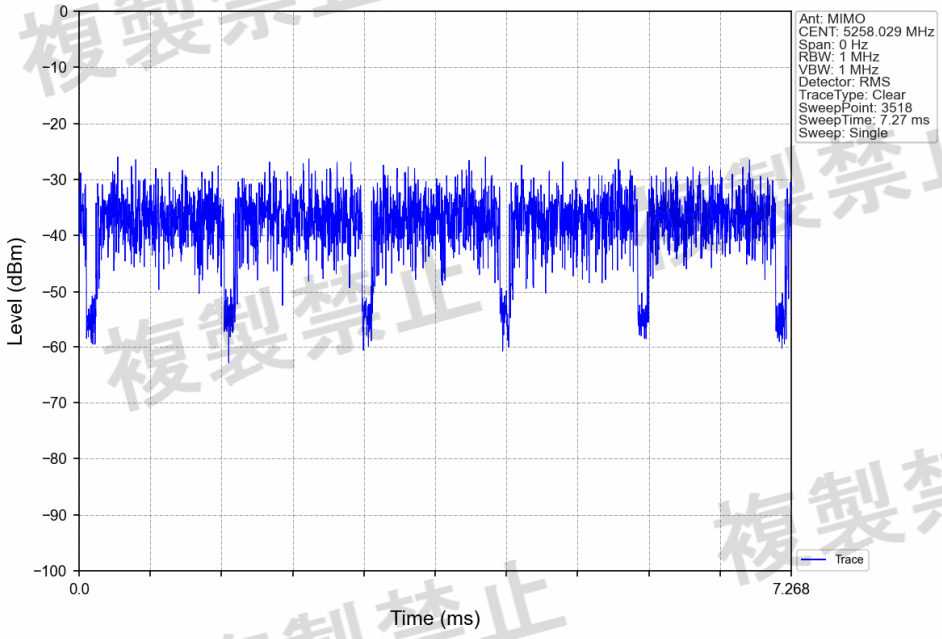
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



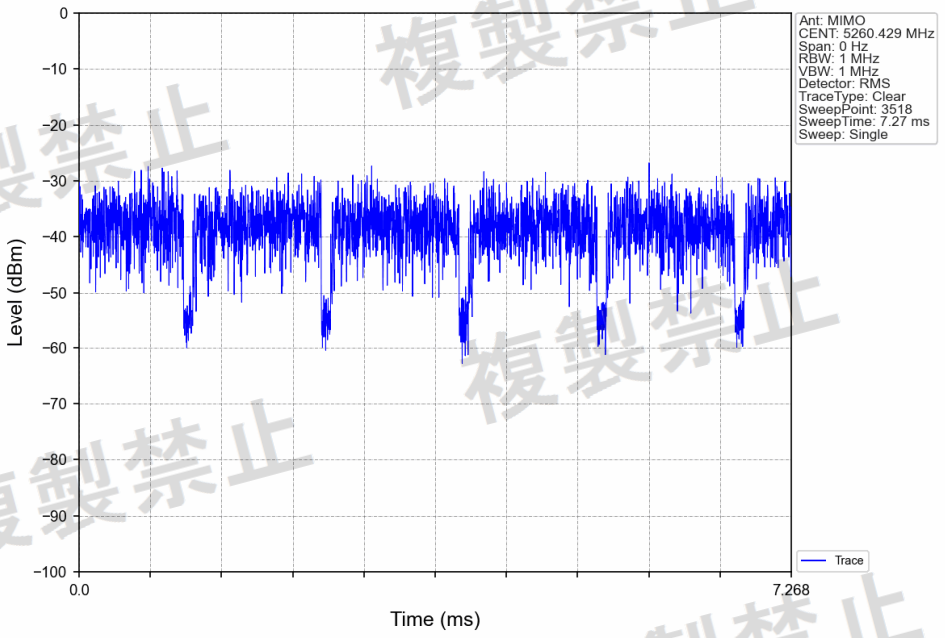
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



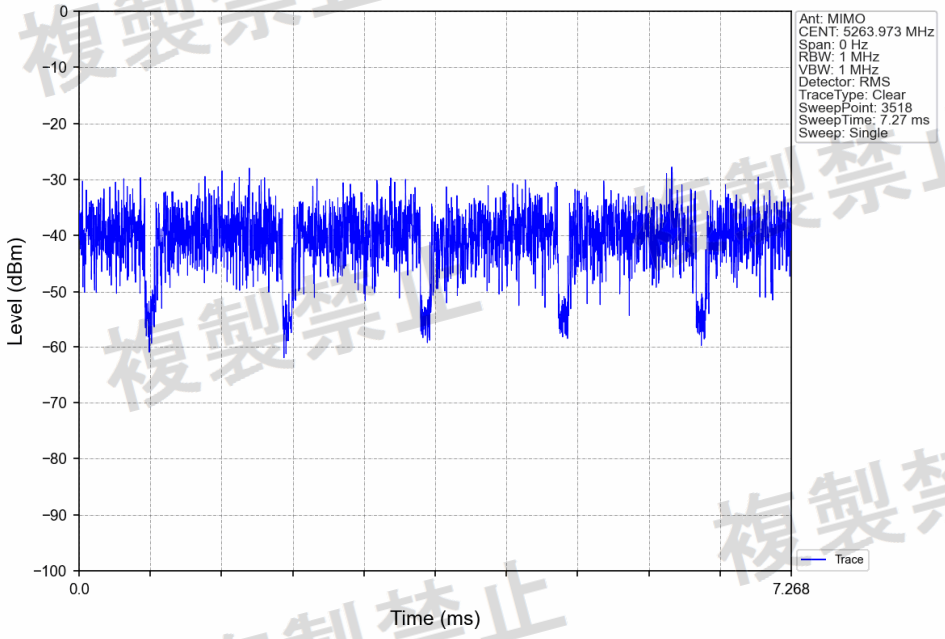
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



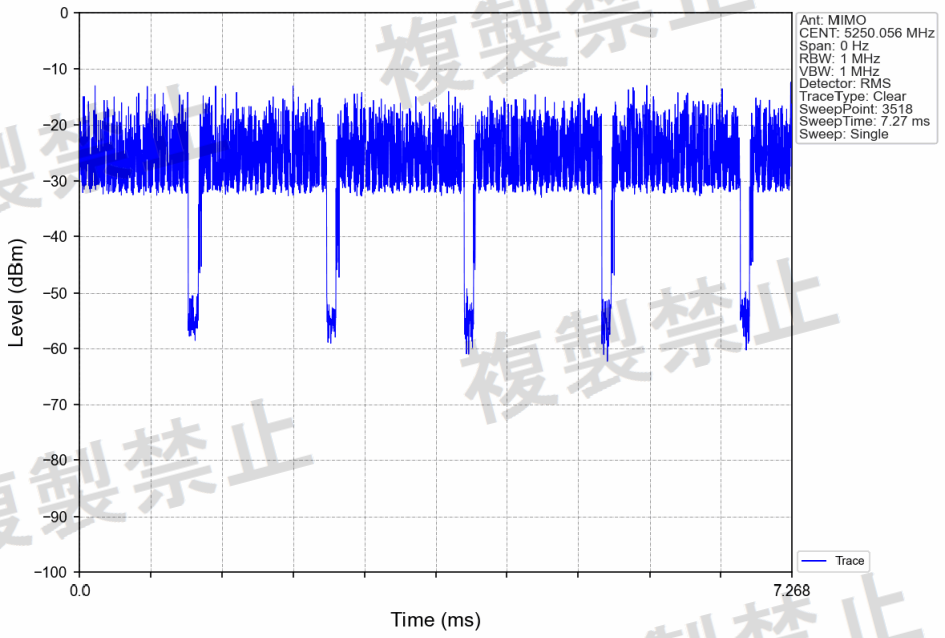
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



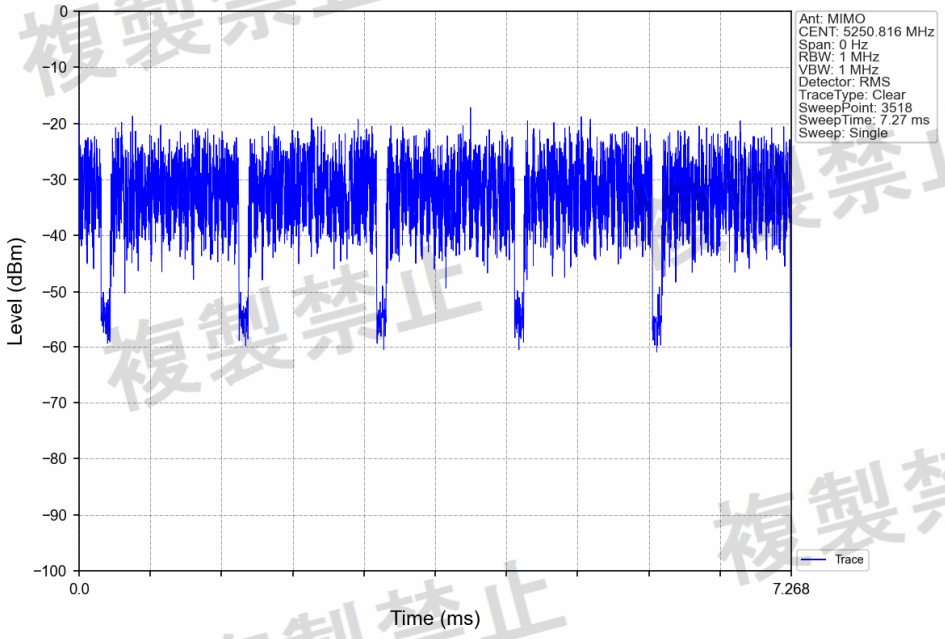
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



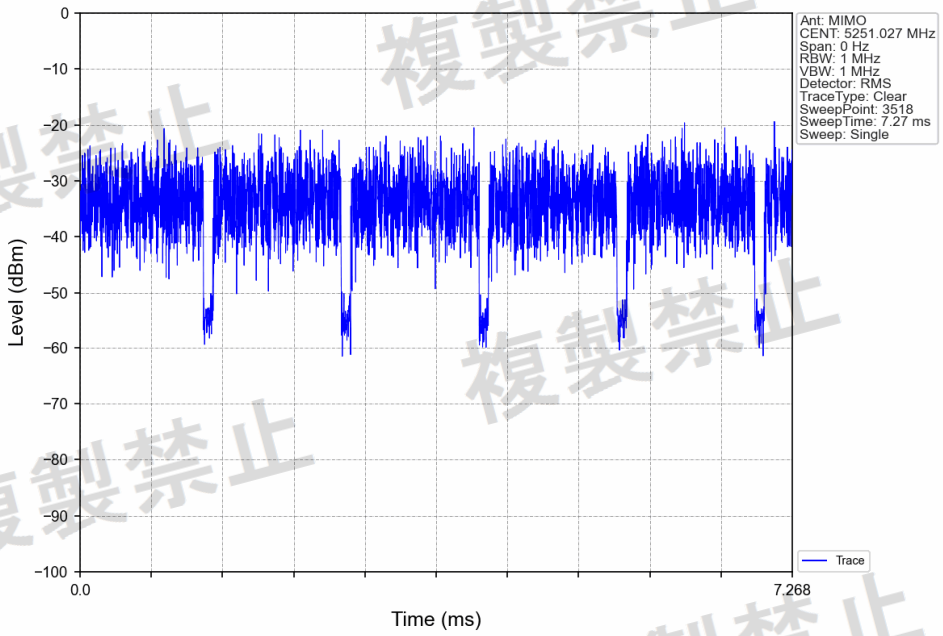
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



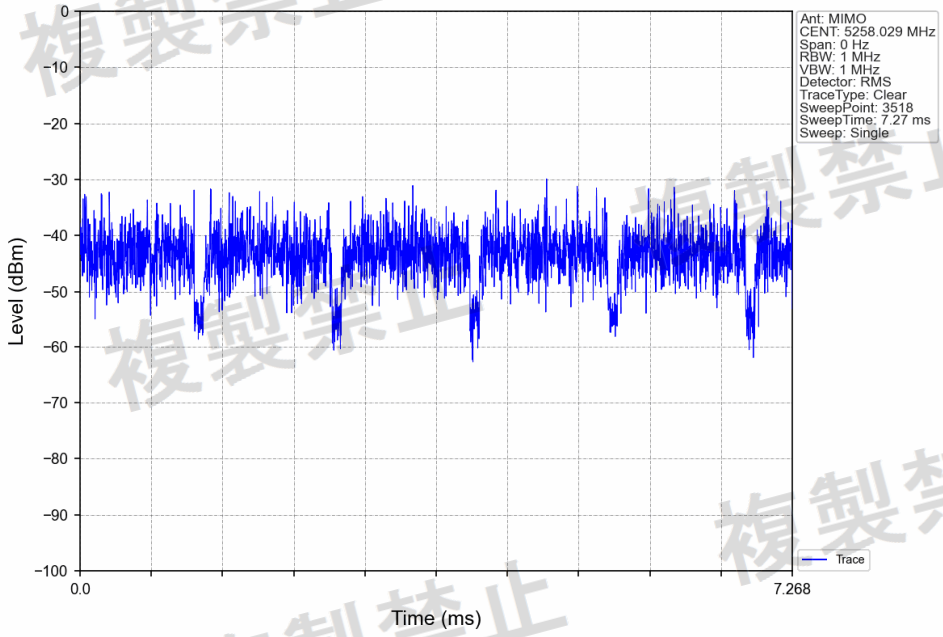
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



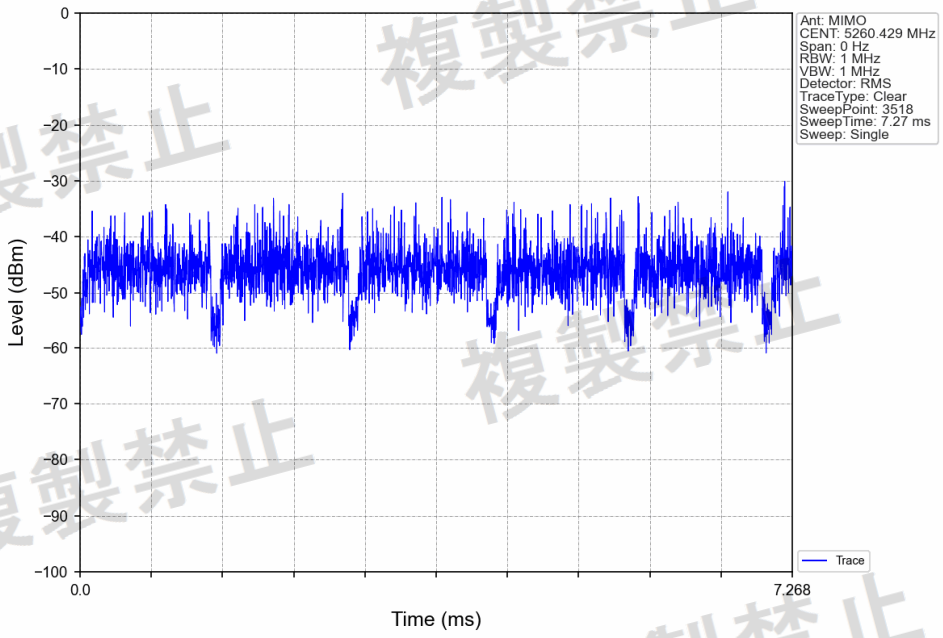
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



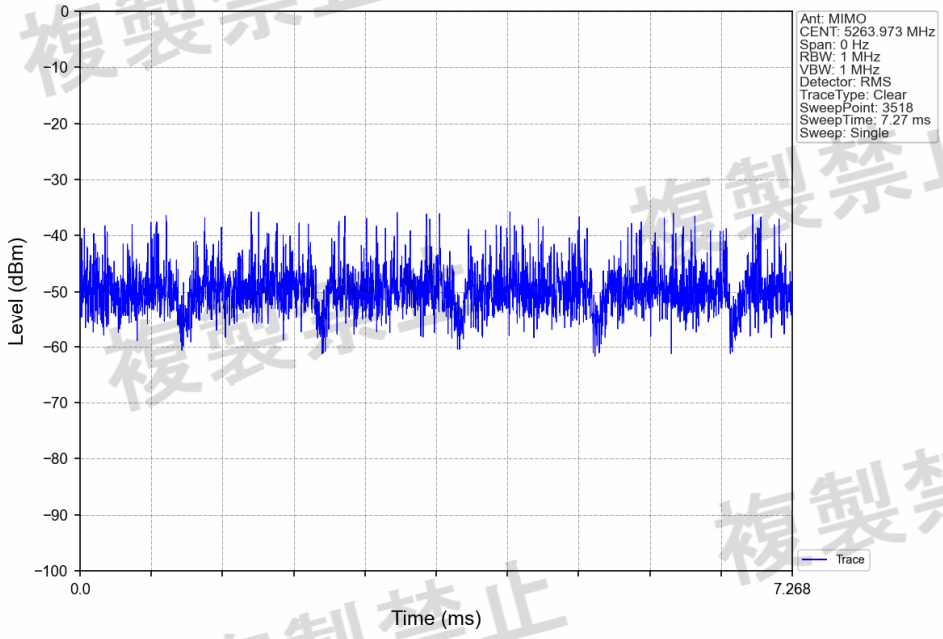
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



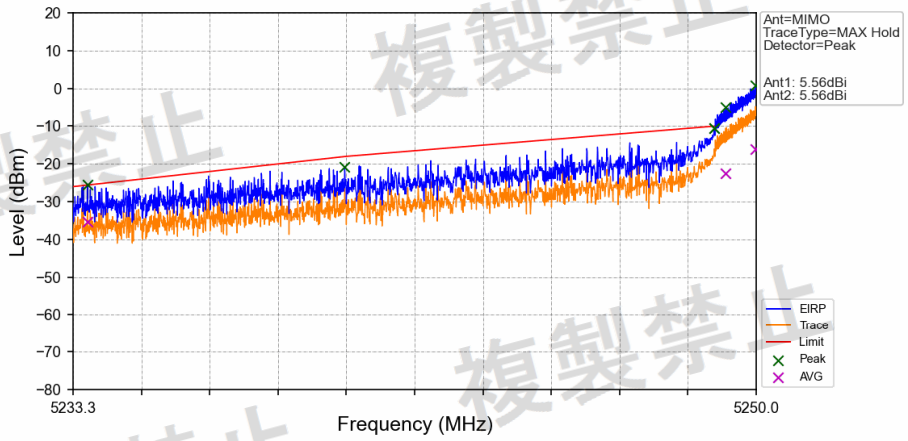
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



802.11n(HT20)_HCH_5240MHz_MIMO_NTNV

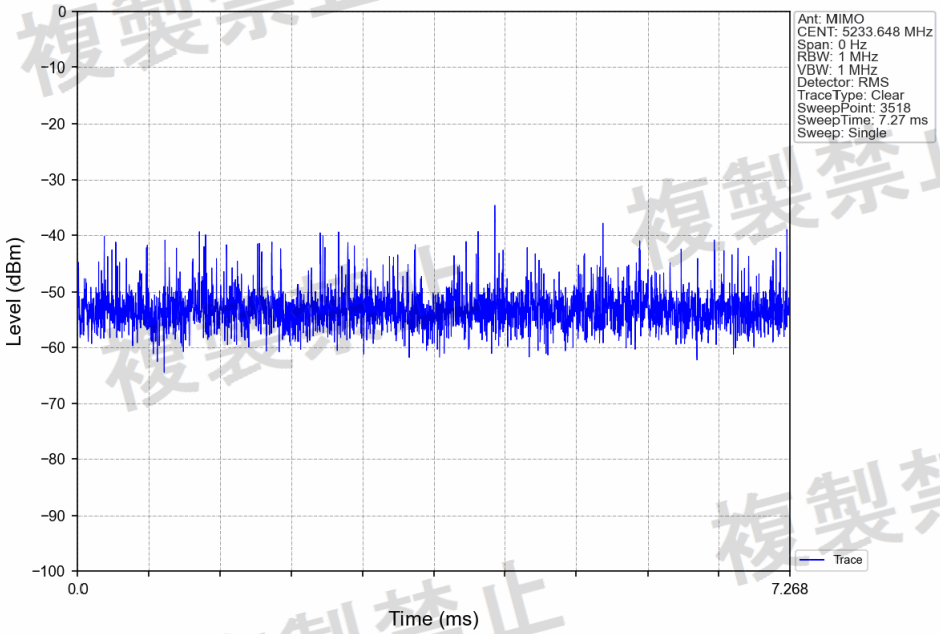


802.11n(HT20)_LCH_5260MHz_MIMO_NTNV

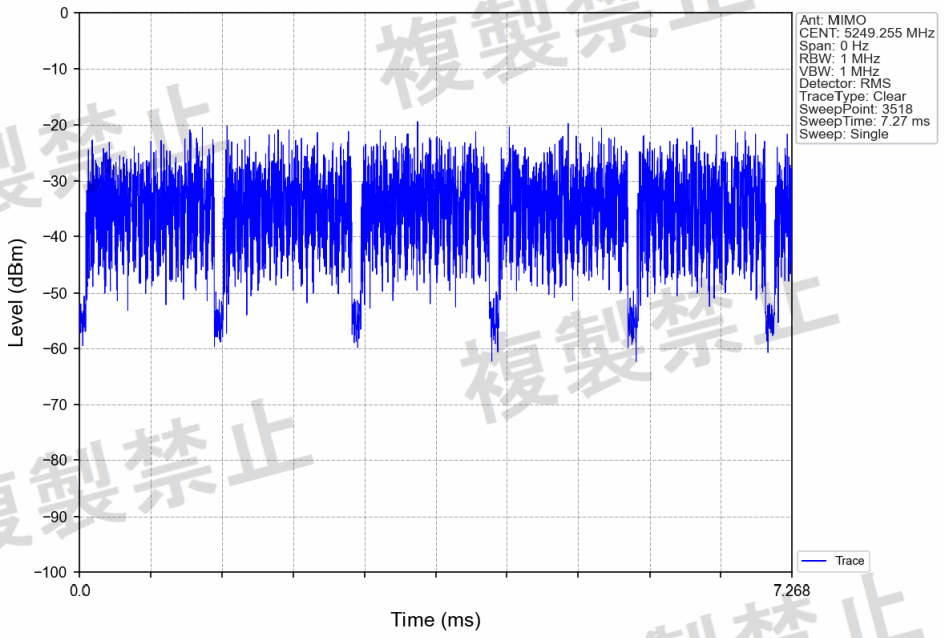


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.648	-31.08	-40.82	MIMO	-25.52	-35.26	-25.62	Pass
5233.3	5240	1	1	5239.940	-26.36	/	MIMO	-20.79	/	-18.07	Pass
5240	5249	1	1	5248.973	-16.05	/	MIMO	-10.49	/	-10.02	Pass
5240	5249	1	1	5248.973	-16.05	/	MIMO	-10.49	/	-10.02	Pass
5249	5250	1	1	5249.255	-10.56	-28.15	MIMO	-5.01	-22.59	-7.45	Pass
5249	5250	1	1	5249.984	-4.82	-21.62	MIMO	0.74	-16.06	-0.16	Pass

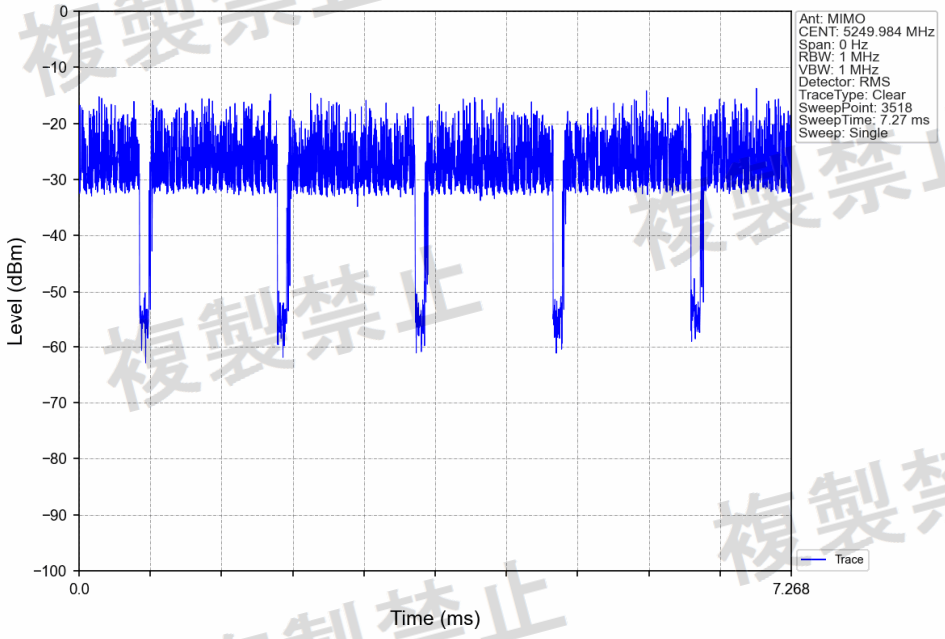
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



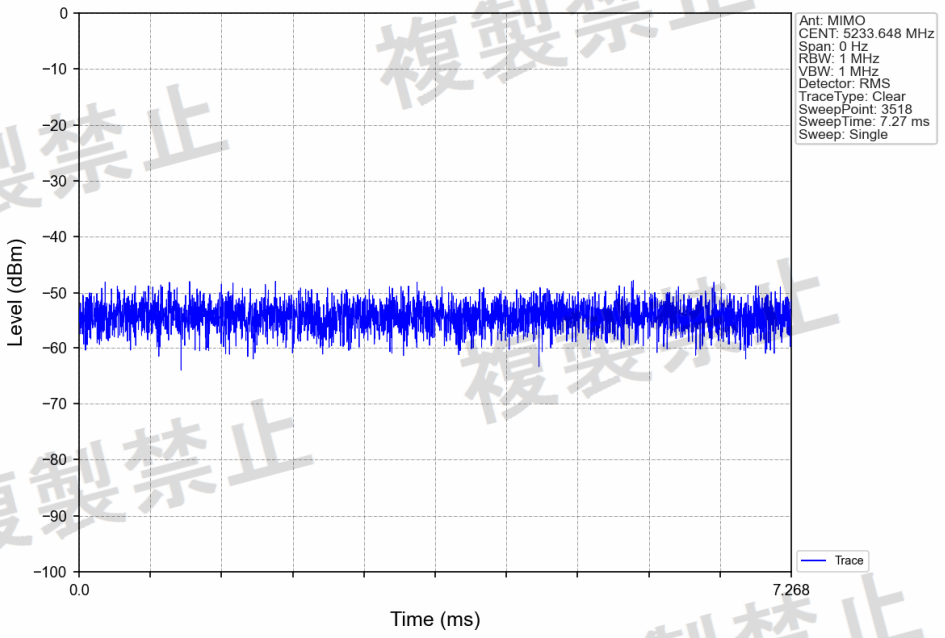
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



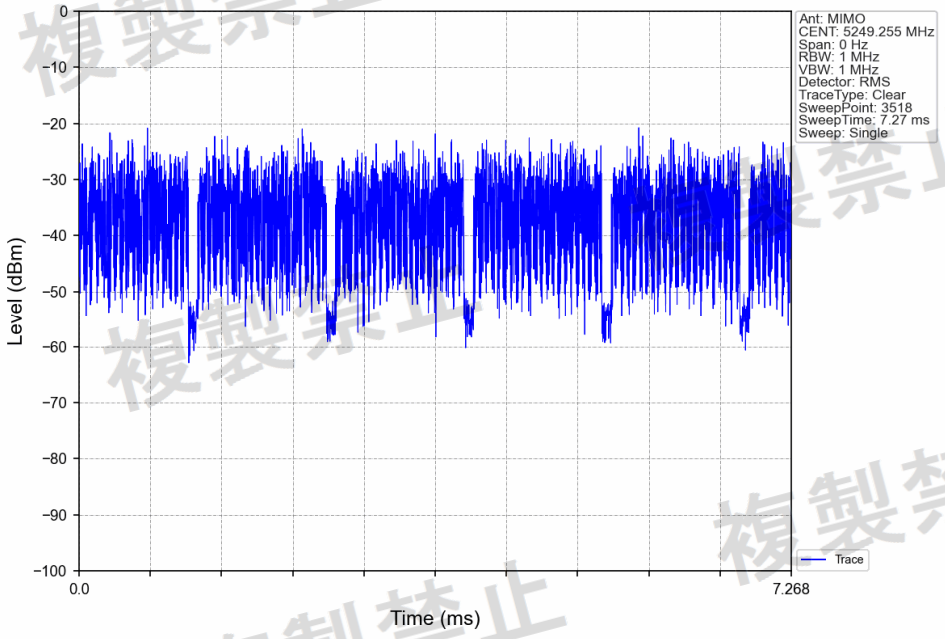
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



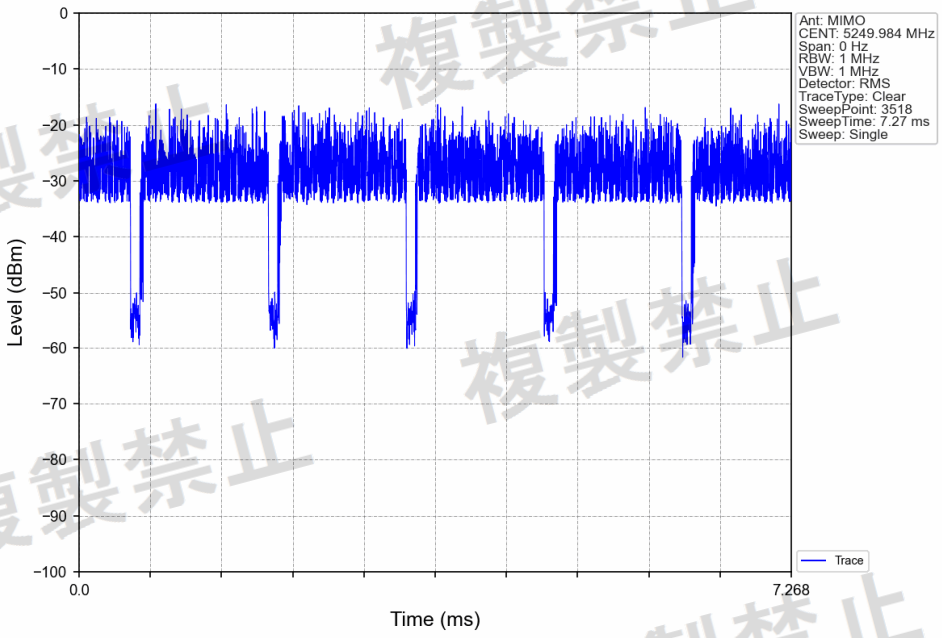
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



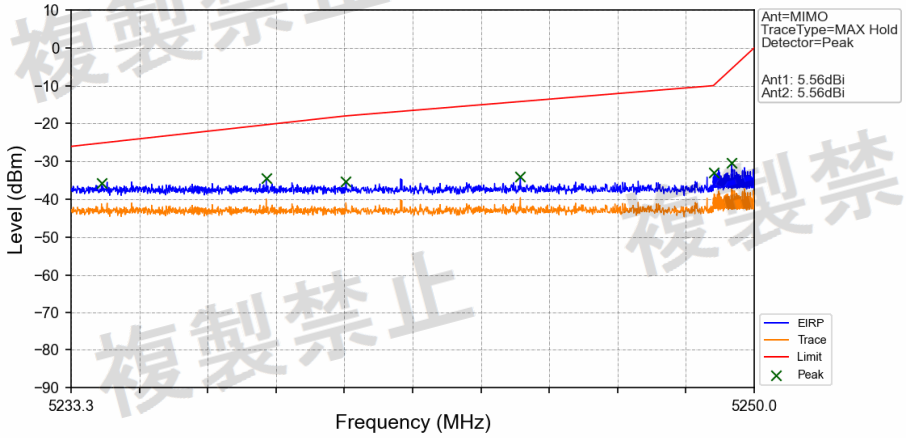
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



802.11n(HT20)_LCH_5260MHz_MIMO_NTNV

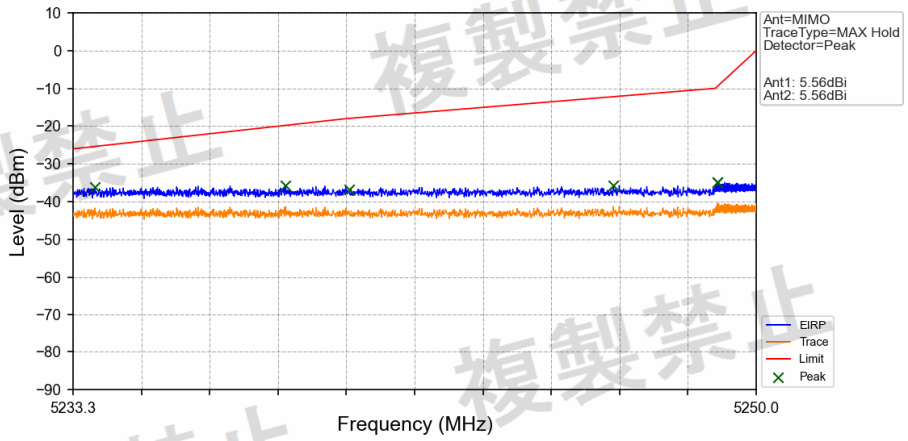


802.11n(HT20)_MCH_5300MHz_MIMO_NTNV



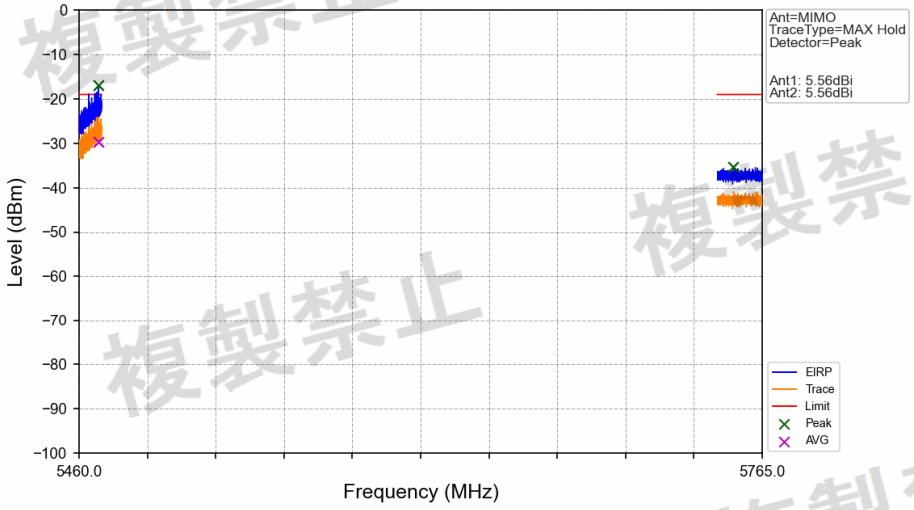
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5234.044	-41.20	/	MIMO	-35.64	/	-25.15	Pass
5233.3	5240	1	1	5238.070	-39.92	/	MIMO	-34.35	/	-20.32	Pass
5240	5249	1	1	5240.018	-40.91	/	MIMO	-35.35	/	-17.98	Pass
5240	5249	1	1	5244.284	-39.55	/	MIMO	-33.99	/	-14.19	Pass
5249	5250	1	1	5249.022	-38.53	/	MIMO	-32.97	/	-9.78	Pass
5249	5250	1	1	5249.451	-35.84	/	MIMO	-30.28	/	-5.49	Pass

802.11n(HT20)_HCH_5320MHz_MIMO_NTNV



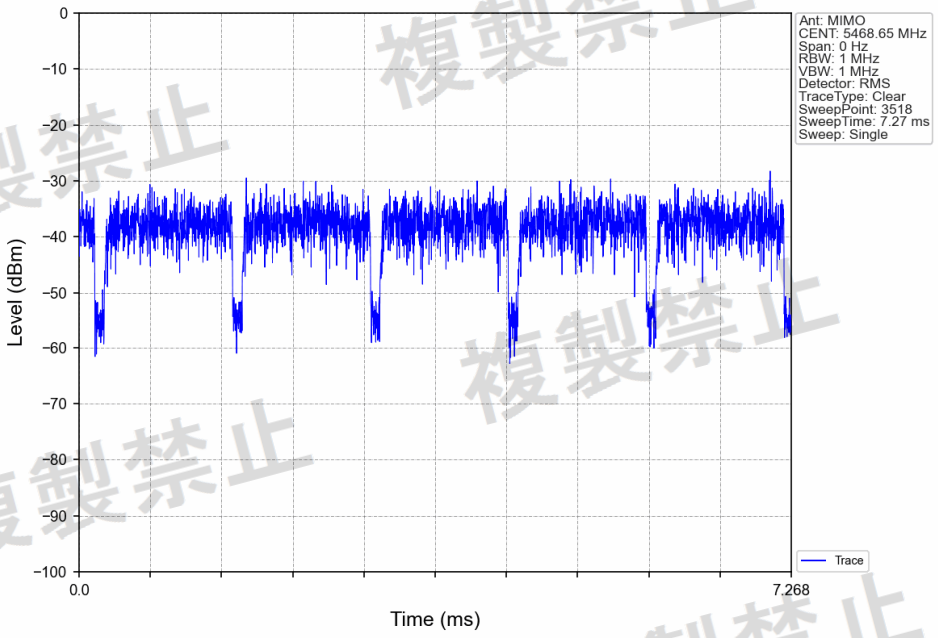
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.829	-41.70	/	MIMO	-36.14	/	-25.4	Pass
5233.3	5240	1	1	5238.499	-41.35	/	MIMO	-35.79	/	-19.8	Pass
5240	5249	1	1	5240.045	-42.46	/	MIMO	-36.90	/	-17.96	Pass
5240	5249	1	1	5246.507	-41.29	/	MIMO	-35.73	/	-12.22	Pass
5249	5250	1	1	5249.045	-40.47	/	MIMO	-34.91	/	-9.55	Pass
5249	5250	1	1	5249.045	-40.47	/	MIMO	-34.91	/	-9.55	Pass

802.11n(HT20)_LCH_5500MHz_MIMO_NTNV

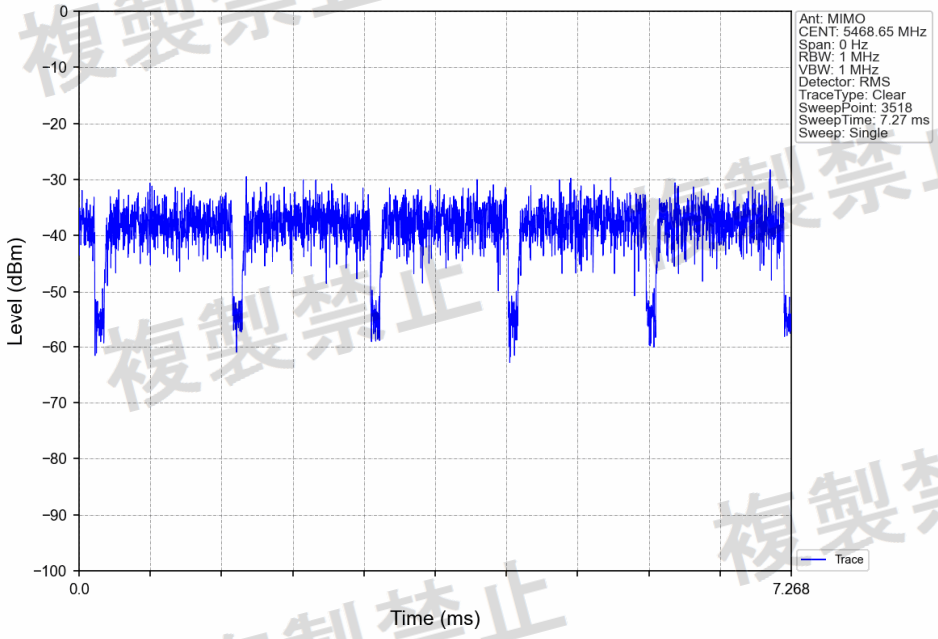


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5468.650	-22.51	-35.23	MIMO	-16.95	-29.67	-19.03	Pass
5460	5470	1	1	5468.650	-22.51	-35.23	MIMO	-16.95	-29.67	-19.03	Pass
5745	5765	1	1	5752.180	-40.94	/	MIMO	-35.39	/	-19.03	Pass
5745	5765	1	1	5752.180	-40.94	/	MIMO	-35.39	/	-19.03	Pass

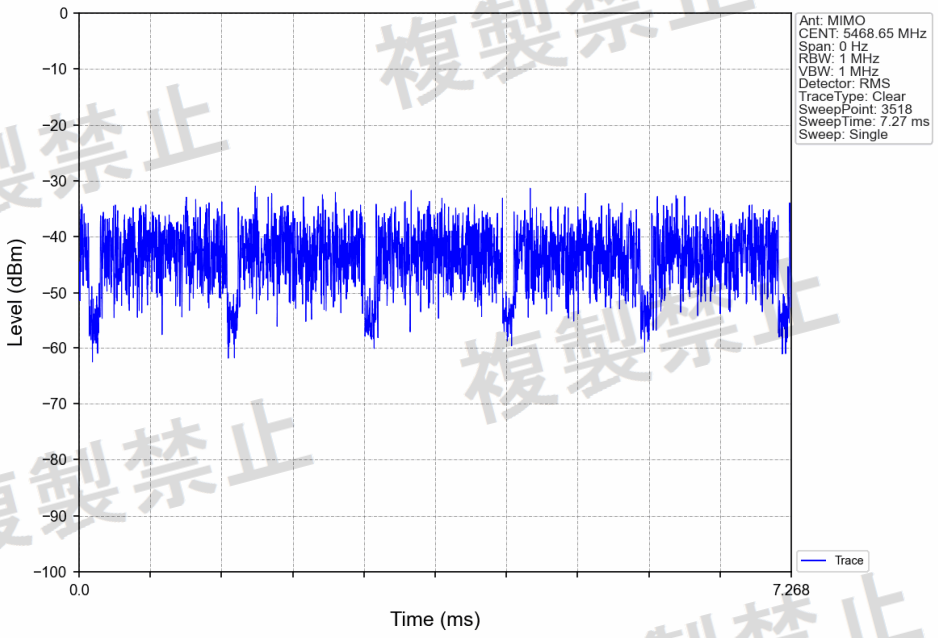
802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



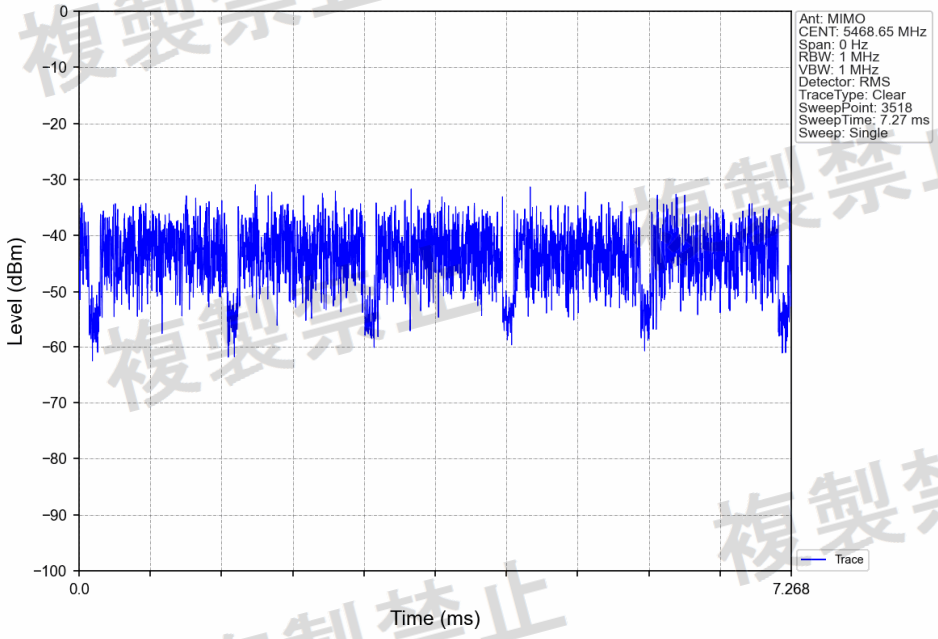
802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



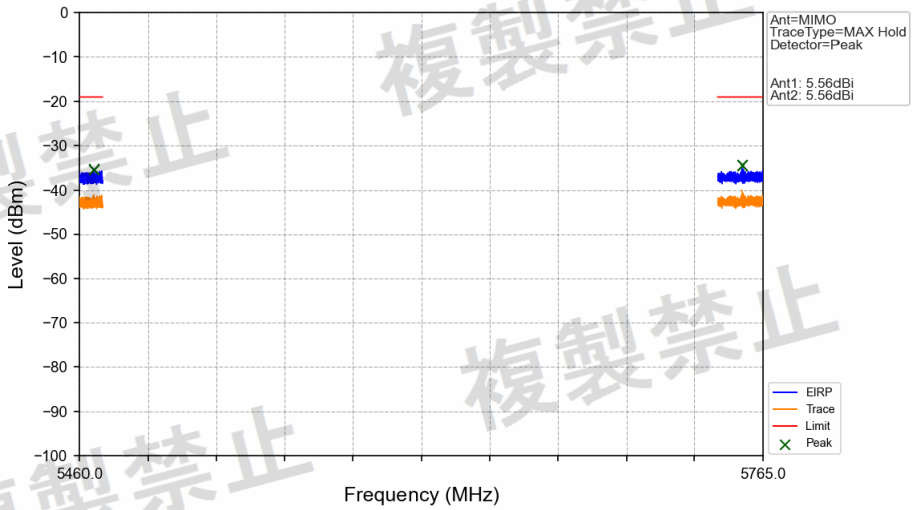
802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



802.11n(HT20)_LCH_5500MHz_MIMO_NTNV

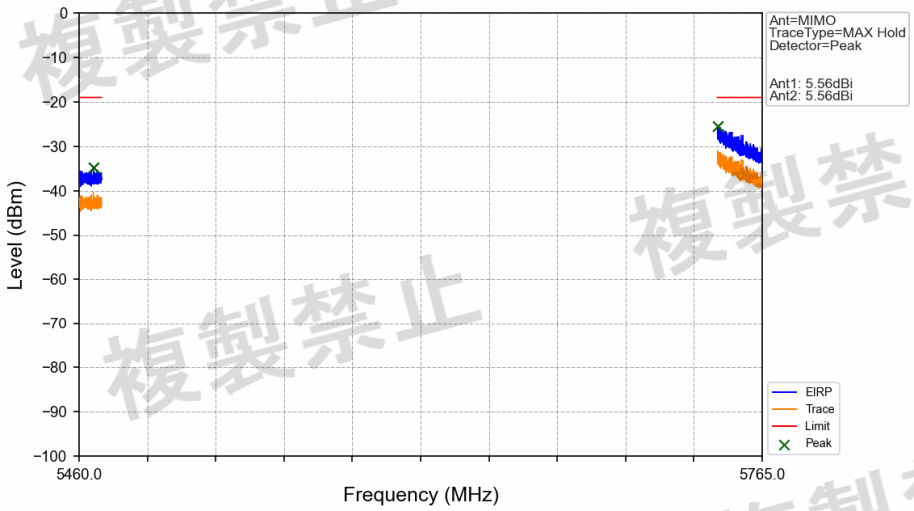


802.11n(HT20)_MCH_5600MHz_MIMO_NTNV



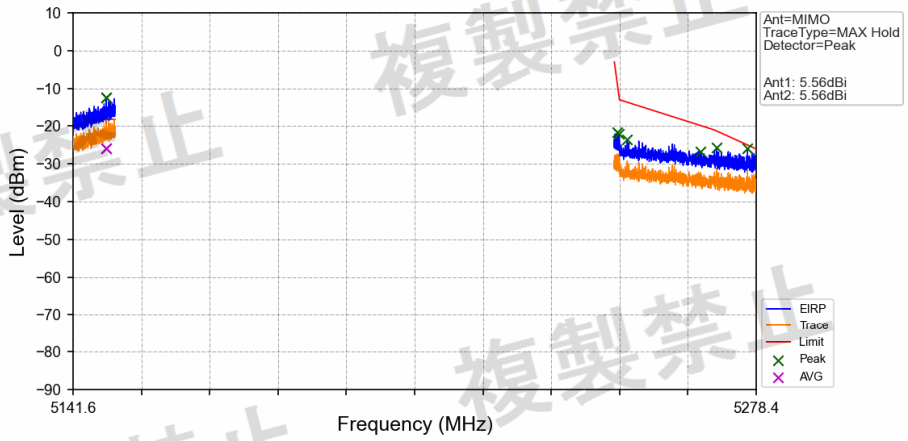
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5466.250	-40.98	/	MIMO	-35.42	/	-19.03	Pass
5460	5470	1	1	5466.250	-40.98	/	MIMO	-35.42	/	-19.03	Pass
5745	5765	1	1	5755.500	-39.97	/	MIMO	-34.41	/	-19.03	Pass
5745	5765	1	1	5755.500	-39.97	/	MIMO	-34.41	/	-19.03	Pass

802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



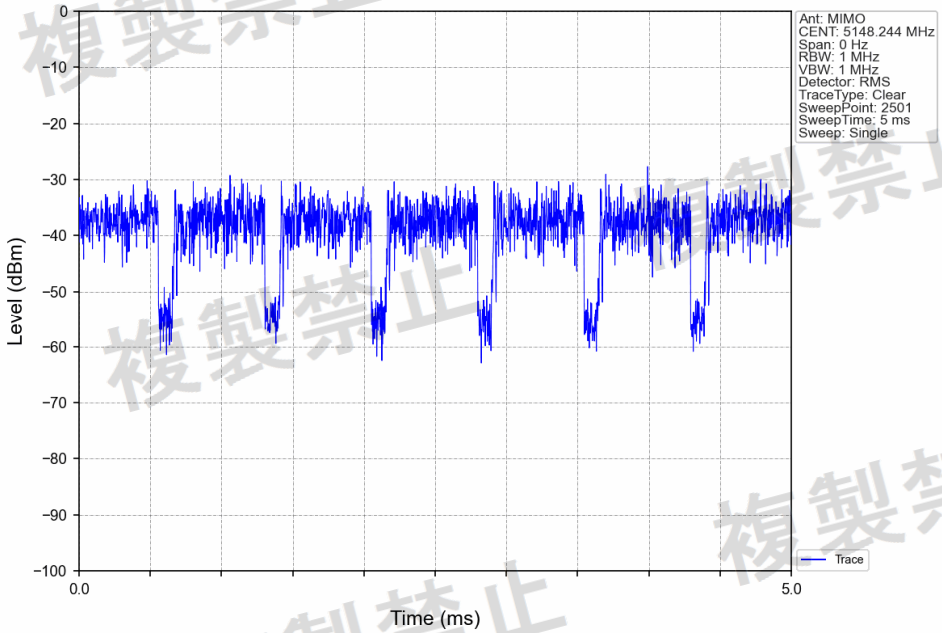
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5466.340	-40.35	/	MIMO	-34.79	/	-19.03	Pass
5460	5470	1	1	5466.340	-40.35	/	MIMO	-34.79	/	-19.03	Pass
5745	5765	1	1	5745.080	-30.97	/	MIMO	-25.41	/	-19.03	Pass
5745	5765	1	1	5745.080	-30.97	/	MIMO	-25.41	/	-19.03	Pass

802.11n(HT40)_LCH_5190MHz_MIMO_NTNV

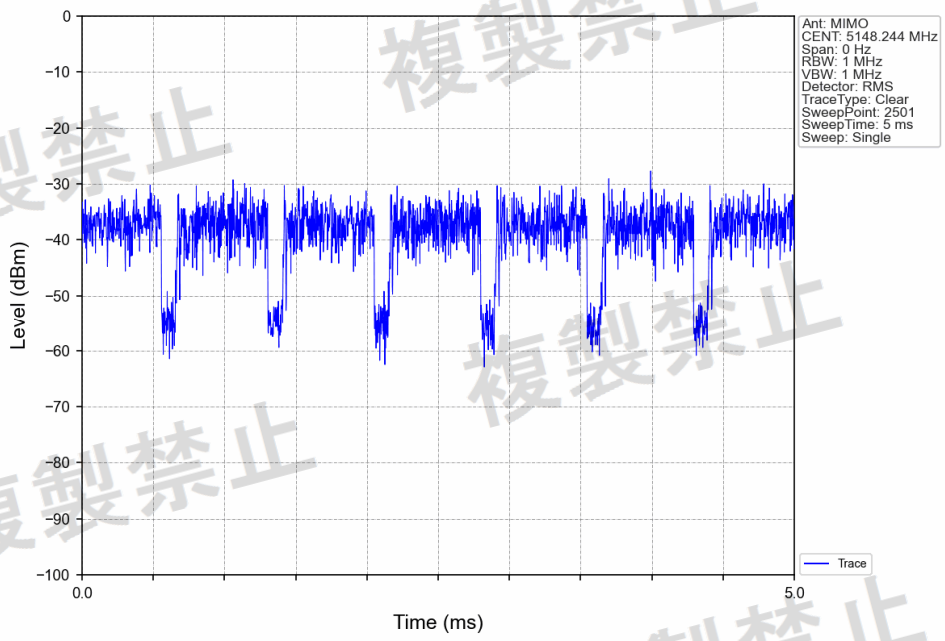


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5148.244	-18.03	-31.52	MIMO	-12.47	-25.96	-18.24	Pass
5141.6	5150	1	1	5148.244	-18.03	-31.52	MIMO	-12.47	-25.96	-18.24	Pass
5250	5251	1	1	5250.609	-27.29	/	MIMO	-21.73	/	-9.1	Pass
5250	5251	1	1	5250.958	-27.59	/	MIMO	-22.03	/	-12.59	Pass
5251	5270	1	1	5252.558	-29.21	/	MIMO	-23.65	/	-13.67	Pass
5251	5270	1	1	5267.283	-32.23	/	MIMO	-26.66	/	-19.87	Pass
5270	5278.4	1	1	5270.428	-31.34	/	MIMO	-25.77	/	-21.27	Pass
5270	5278.4	1	1	5276.678	-31.55	/	MIMO	-25.99	/	-25.02	Pass

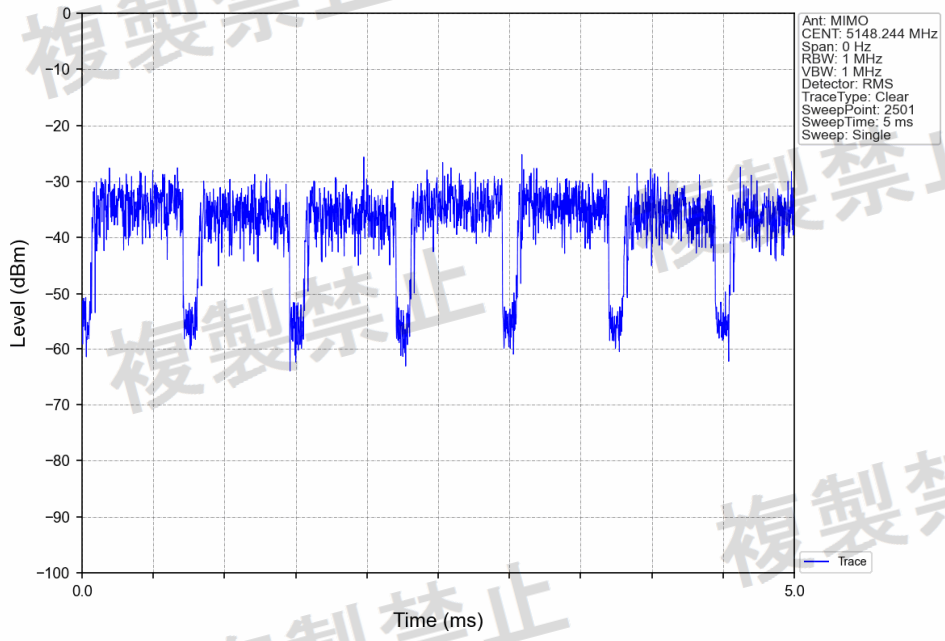
802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



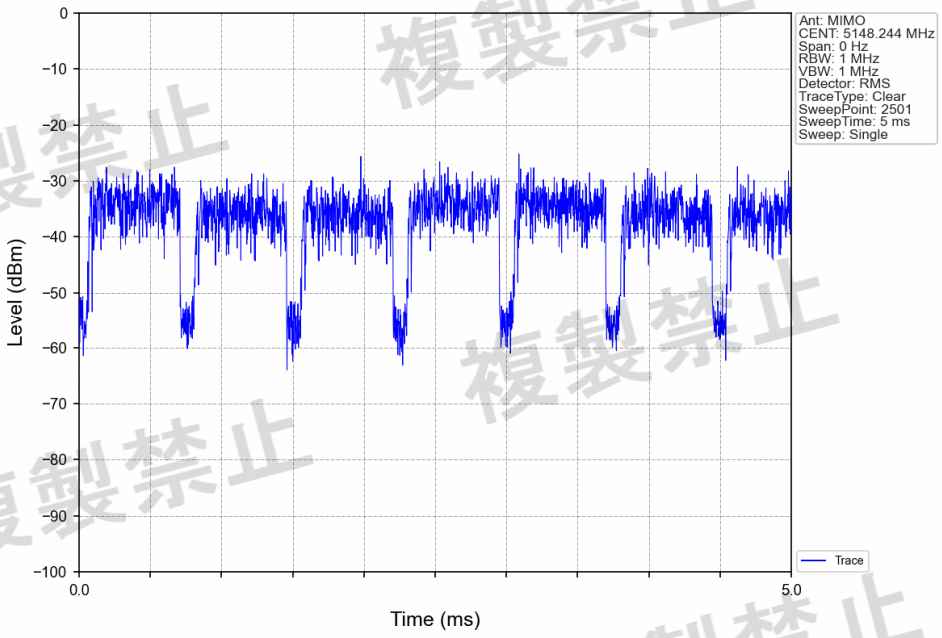
802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



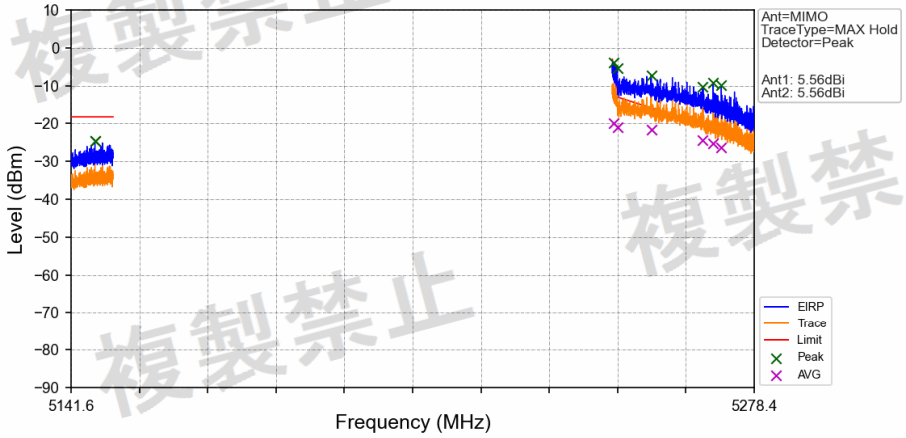
802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



802.11n(HT40)_LCH_5190MHz_MIMO_NTNV

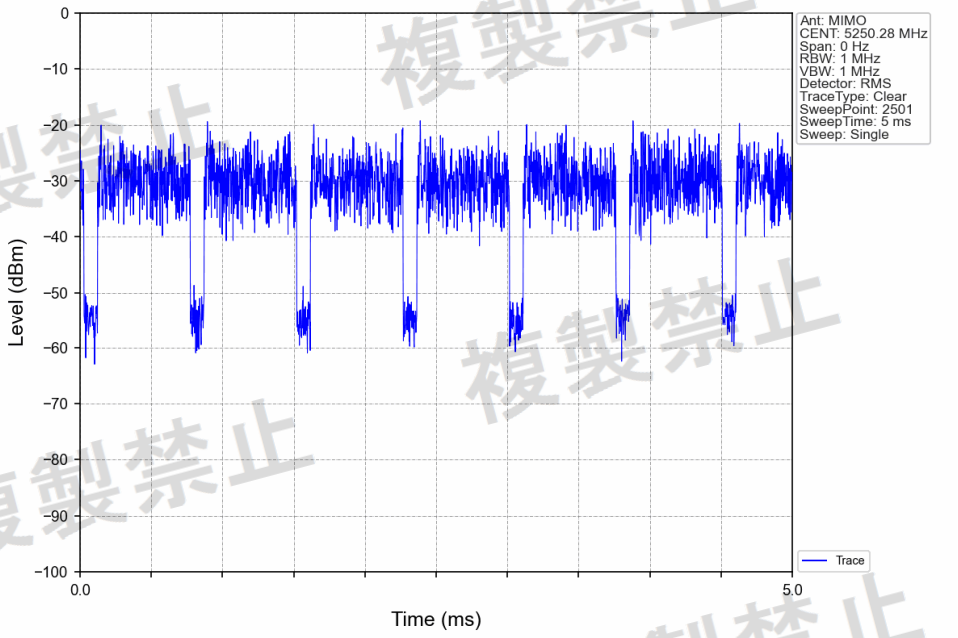


802.11n(HT40)_HCH_5230MHz_MIMO_NTNV

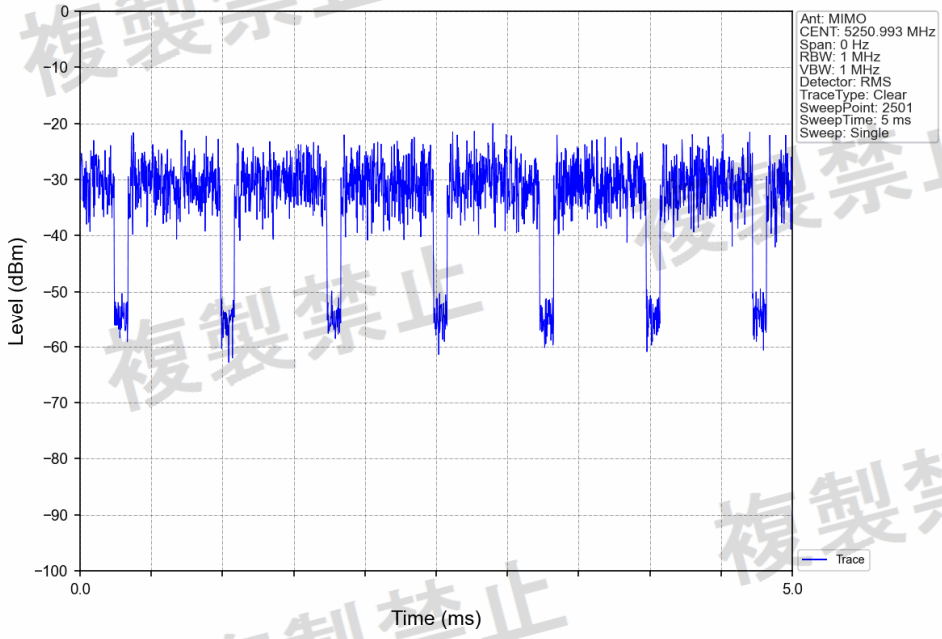


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.380	-30.28	/	MIMO	-24.72	/	-18.24	Pass
5141.6	5150	1	1	5146.380	-30.28	/	MIMO	-24.72	/	-18.24	Pass
5250	5251	1	1	5250.280	-9.38	-25.51	MIMO	-3.82	-19.95	-5.81	Pass
5250	5251	1	1	5250.993	-11.01	-26.52	MIMO	-5.45	-20.96	-12.94	Pass
5251	5270	1	1	5257.783	-12.87	-27.20	MIMO	-7.31	-21.64	-15.87	Pass
5251	5270	1	1	5268.100	-15.86	-29.93	MIMO	-10.30	-24.37	-20.21	Pass
5270	5278.4	1	1	5270.151	-14.86	-30.91	MIMO	-9.30	-25.35	-21.1	Pass
5270	5278.4	1	1	5271.814	-15.35	-31.96	MIMO	-9.79	-26.40	-22.1	Pass

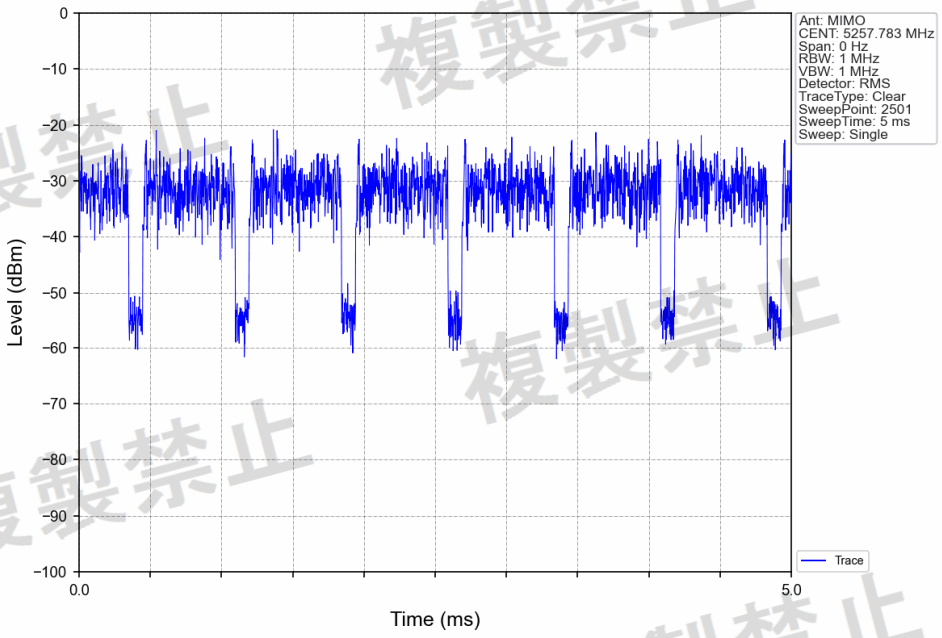
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



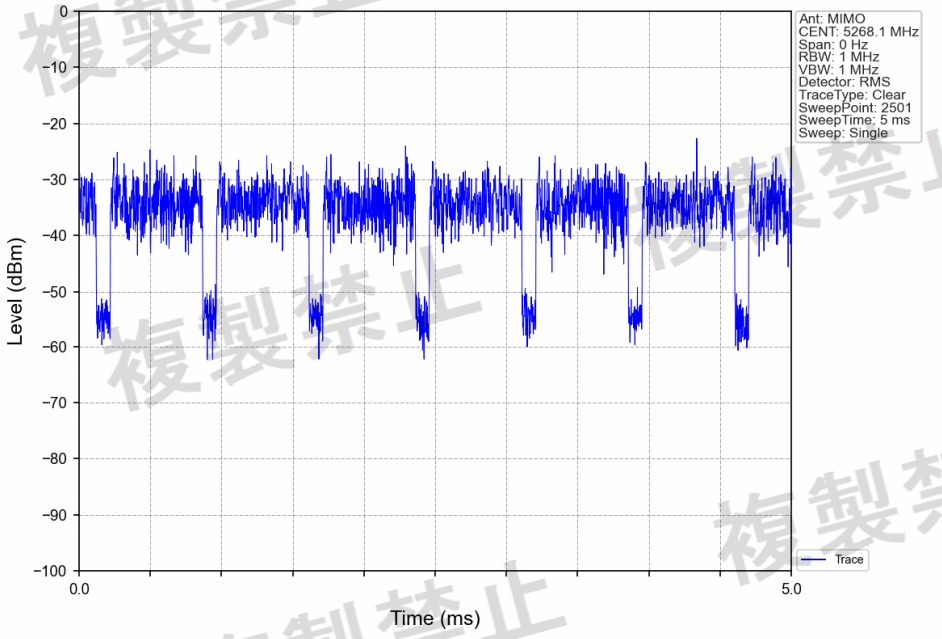
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



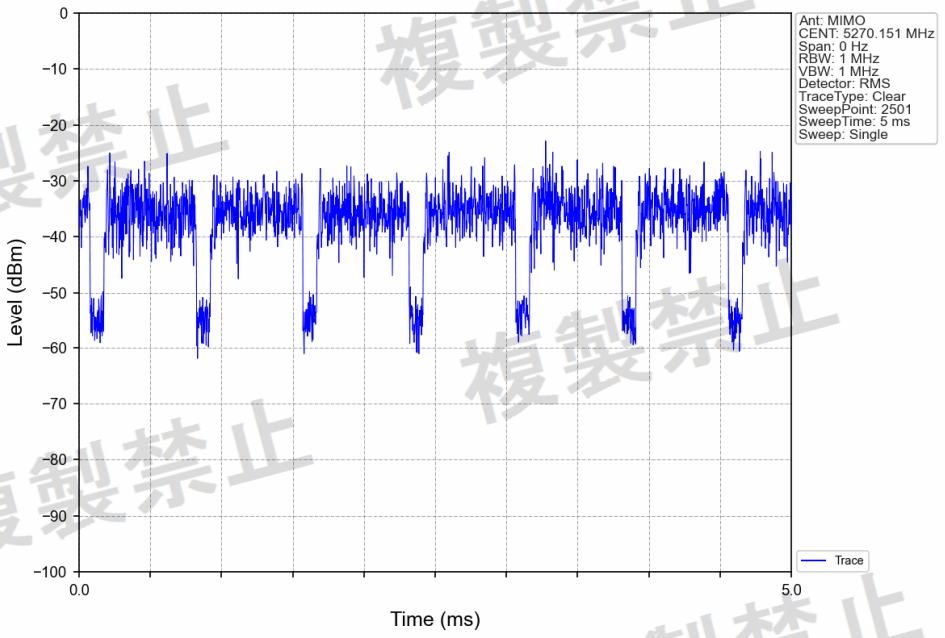
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



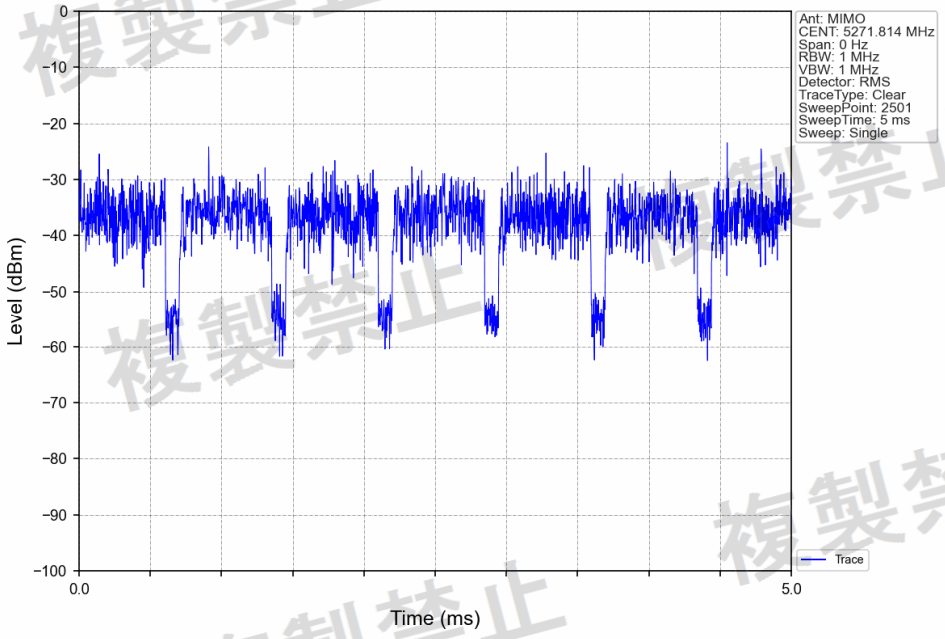
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



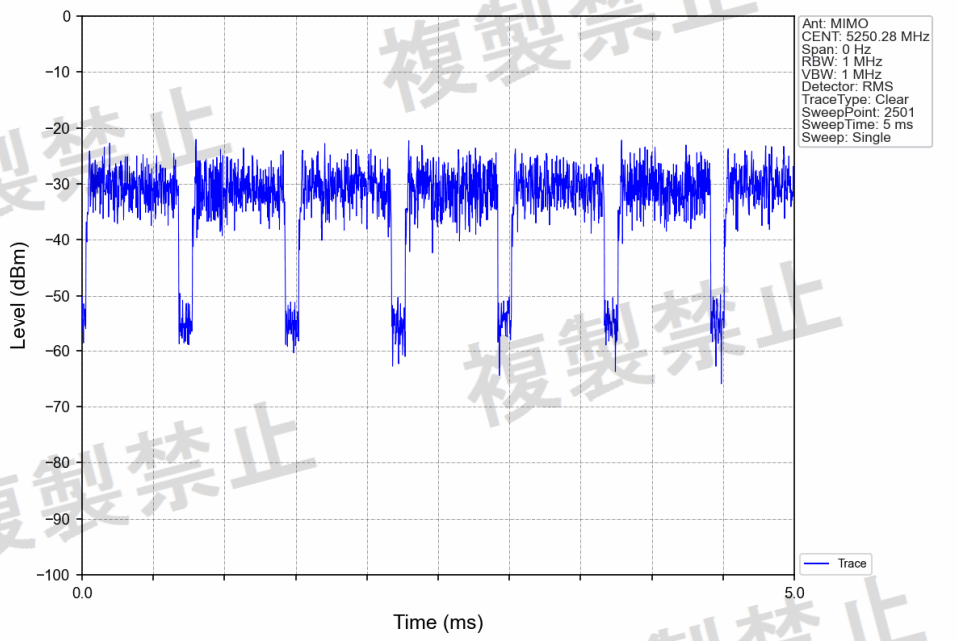
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



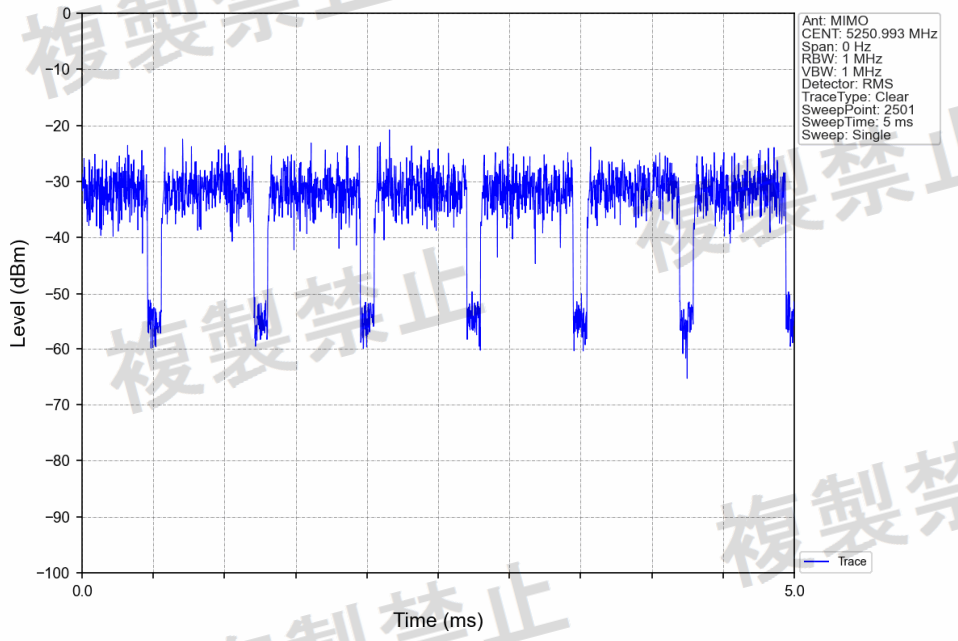
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



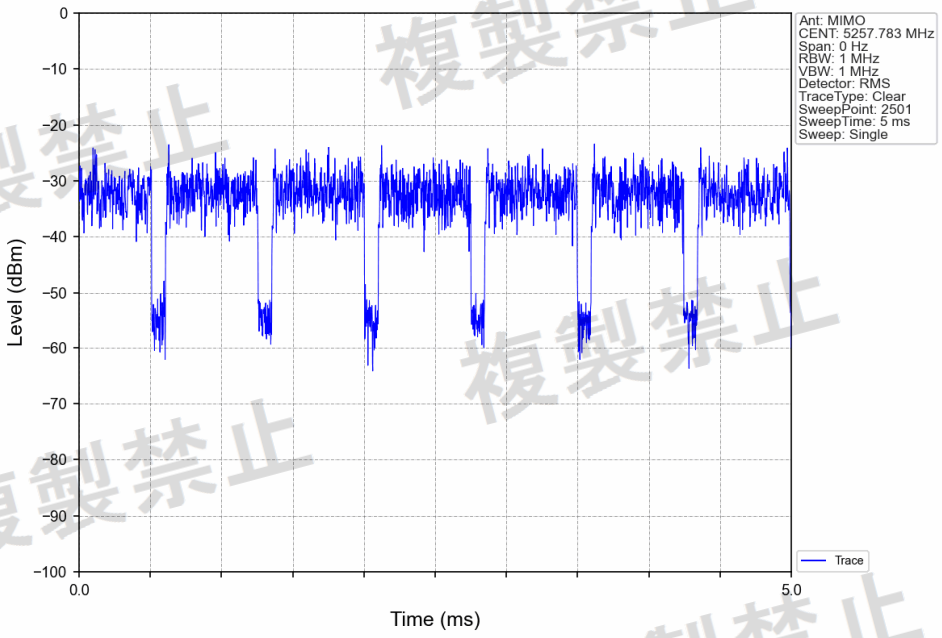
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



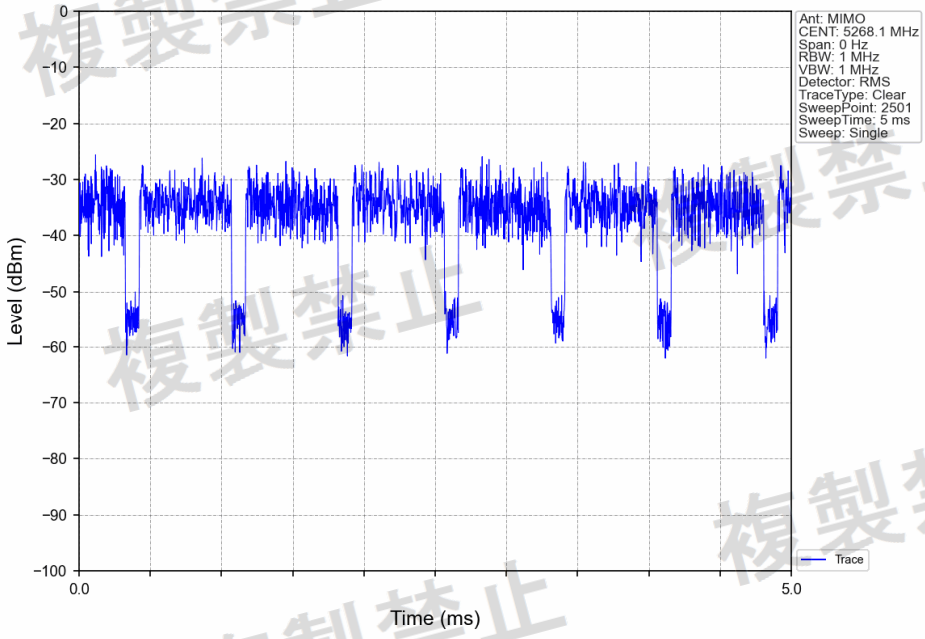
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



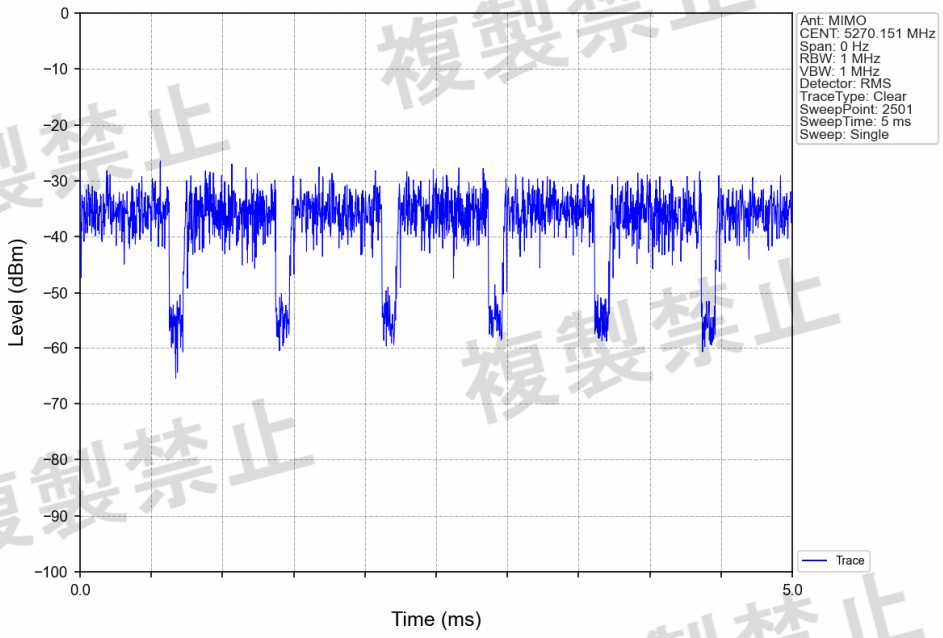
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



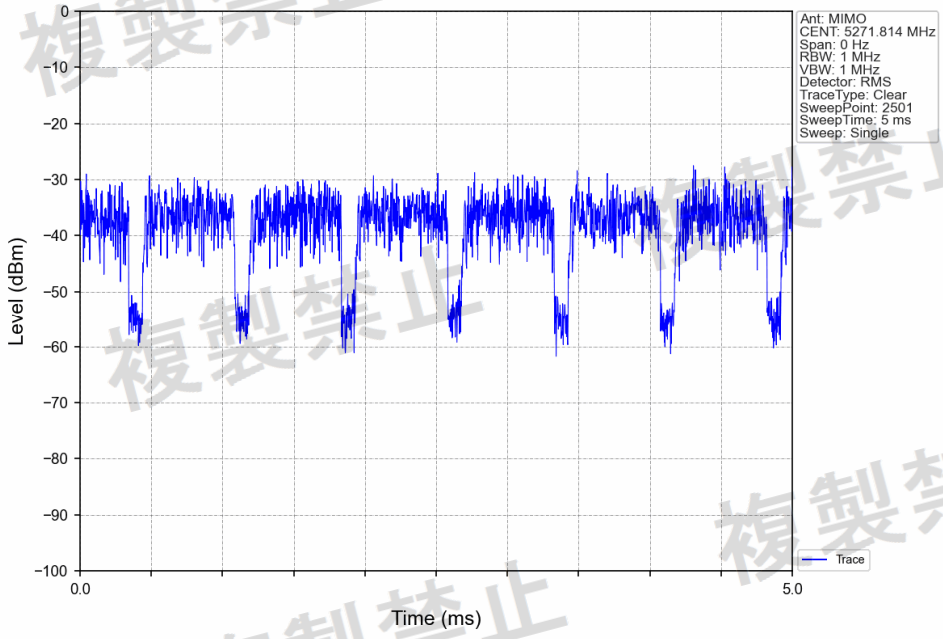
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



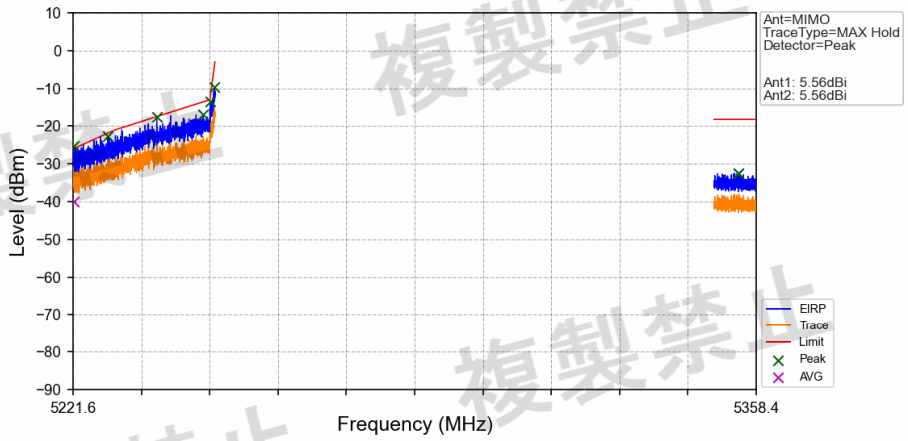
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



802.11n(HT40)_HCH_5230MHz_MIMO_NTNV

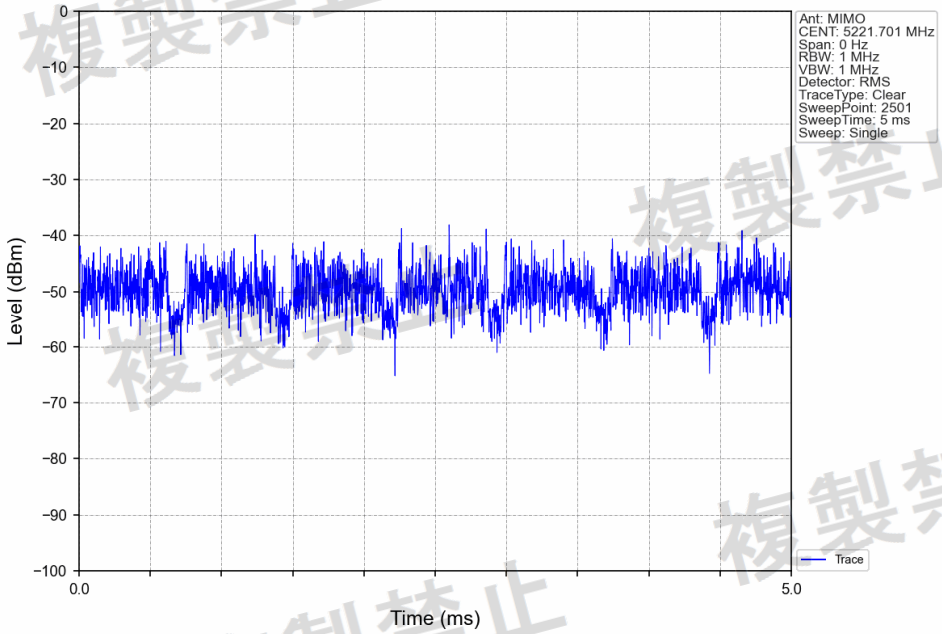


802.11n(HT40)_LCH_5270MHz_MIMO_NTNV

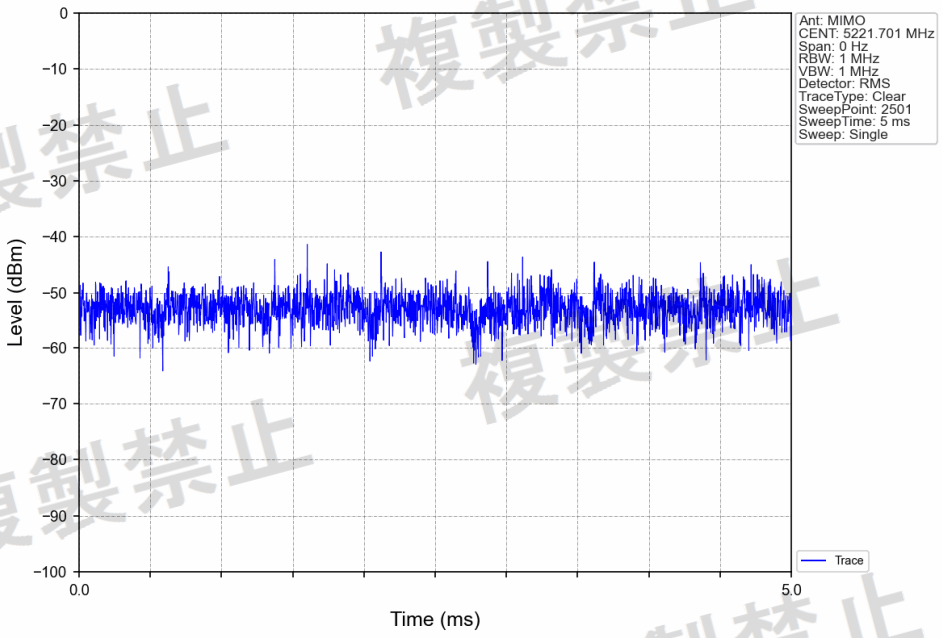


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5221.701	-30.91	-45.64	MIMO	-25.35	-40.08	-25.99	Pass
5221.6	5230	1	1	5228.522	-28.16	/	MIMO	-22.59	/	-21.9	Pass
5230	5249	1	1	5238.360	-23.12	/	MIMO	-17.56	/	-17.49	Pass
5230	5249	1	1	5247.651	-22.53	/	MIMO	-16.98	/	-13.58	Pass
5249	5250	1	1	5249.161	-19.05	/	MIMO	-13.50	/	-11.4	Pass
5249	5250	1	1	5249.900	-15.23	/	MIMO	-9.68	/	-4.01	Pass
5350	5358.4	1	1	5354.897	-37.99	/	MIMO	-32.43	/	-18.24	Pass
5350	5358.4	1	1	5354.897	-37.99	/	MIMO	-32.43	/	-18.24	Pass

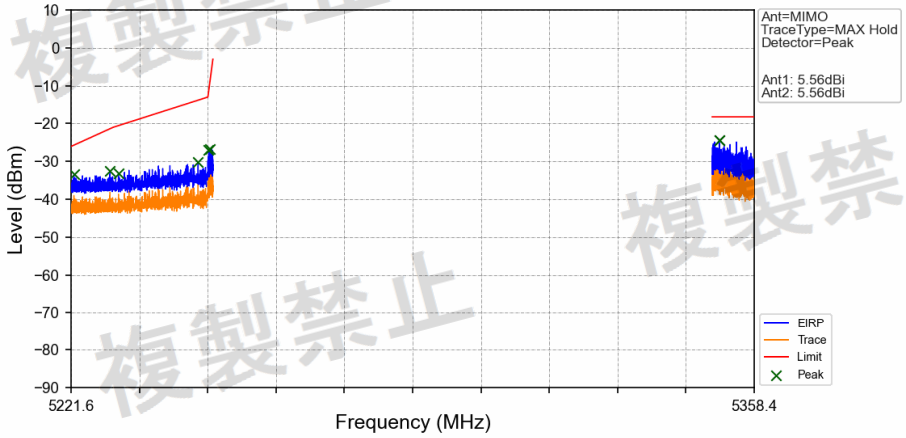
802.11n(HT40)_LCH_5270MHz_MIMO_NTNV



802.11n(HT40)_LCH_5270MHz_MIMO_NTNV

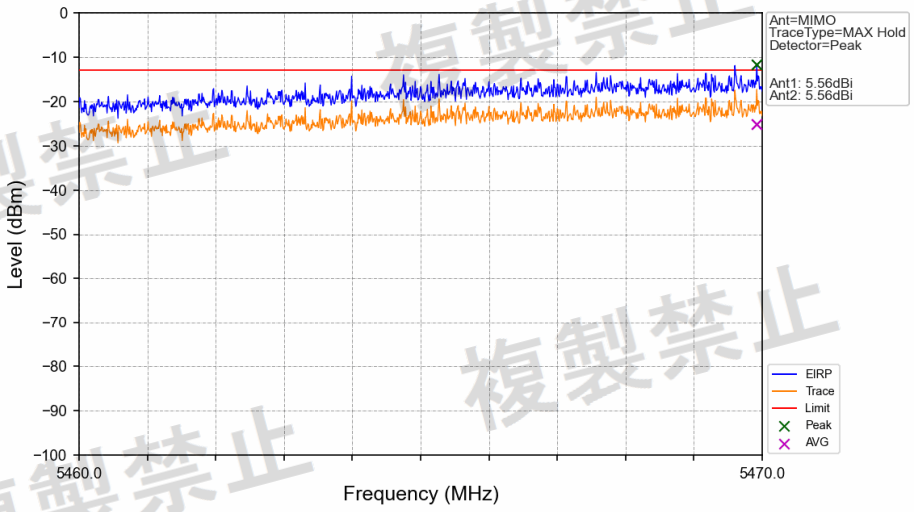


802.11n(HT40)_HCH_5310MHz_MIMO_NTNV



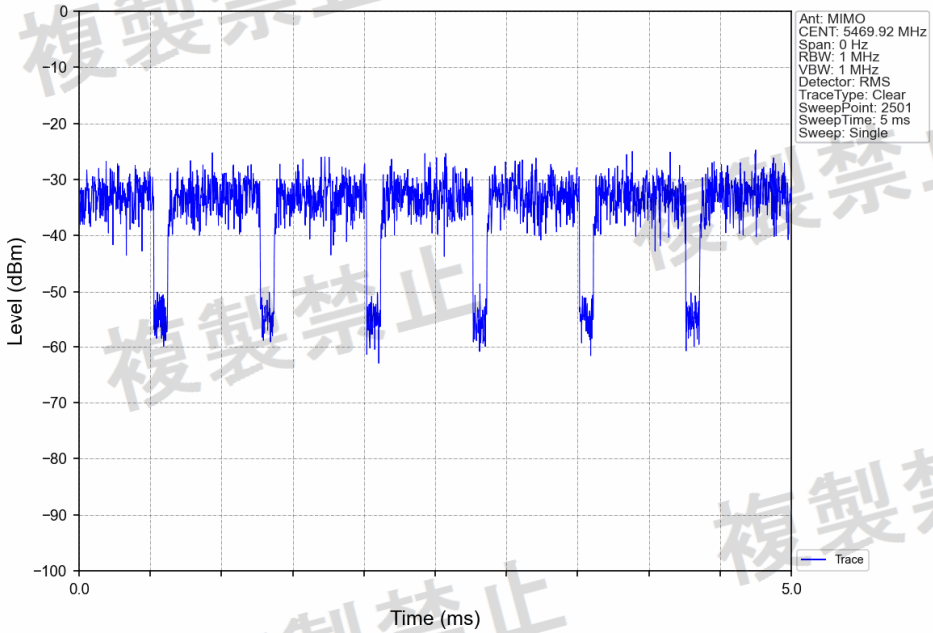
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5222.171	-38.99	/	MIMO	-33.44	/	-25.71	Pass
5221.6	5230	1	1	5229.412	-38.17	/	MIMO	-32.61	/	-21.36	Pass
5230	5249	1	1	5231.083	-38.65	/	MIMO	-33.09	/	-20.55	Pass
5230	5249	1	1	5247.043	-35.69	/	MIMO	-30.13	/	-13.83	Pass
5249	5250	1	1	5249.167	-32.48	/	MIMO	-26.91	/	-11.34	Pass
5249	5250	1	1	5249.403	-32.28	/	MIMO	-26.72	/	-8.98	Pass
5350	5358.4	1	1	5351.386	-29.97	/	MIMO	-24.41	/	-18.24	Pass
5350	5358.4	1	1	5351.386	-29.97	/	MIMO	-24.41	/	-18.24	Pass

802.11n(HT40)_LCH_5510MHz_MIMO_NTNV

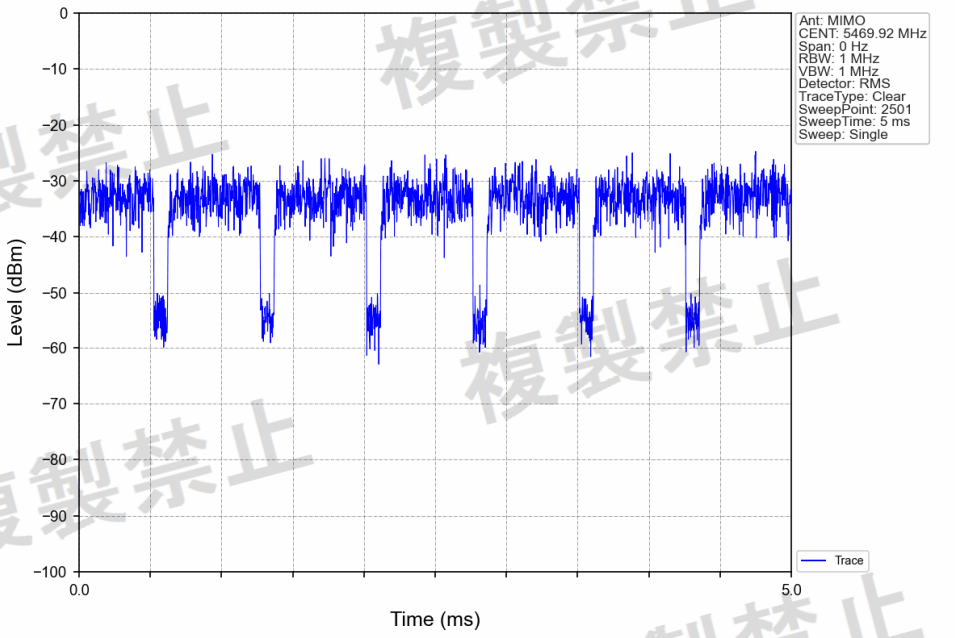


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5469.920	-17.29	-30.66	MIMO	-11.73	-25.10	-13.01	Pass
5460	5470	1	1	5469.920	-17.29	-30.66	MIMO	-11.73	-25.10	-13.01	Pass

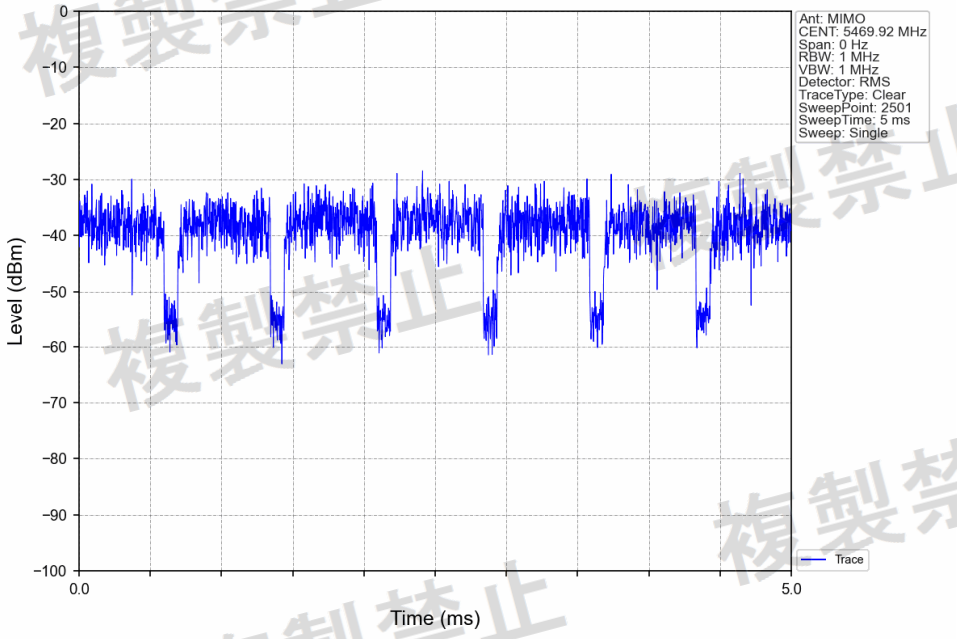
802.11n(HT40)_LCH_5510MHz_MIMO_NTNV



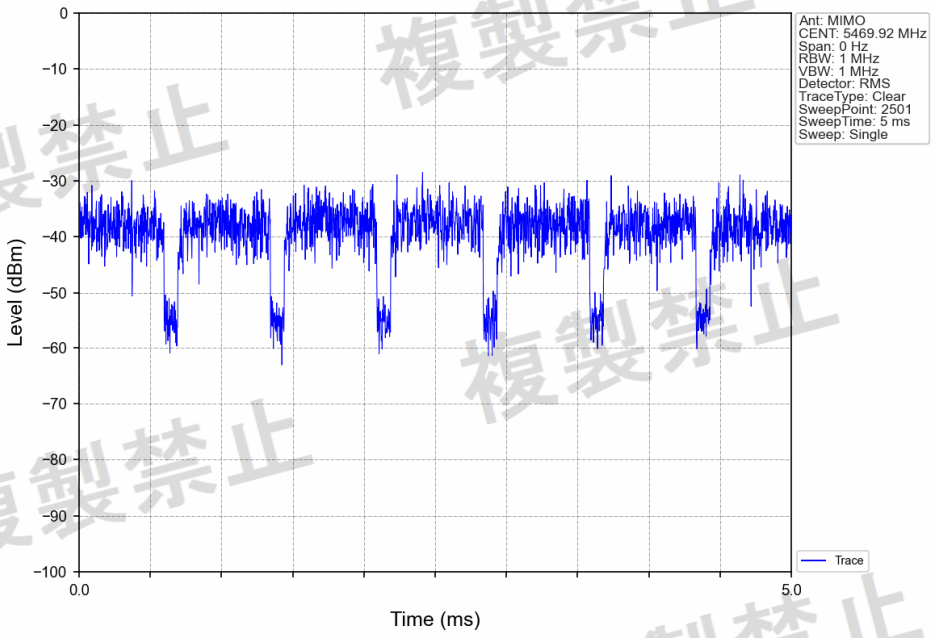
802.11n(HT40)_LCH_5510MHz_MIMO_NTNV



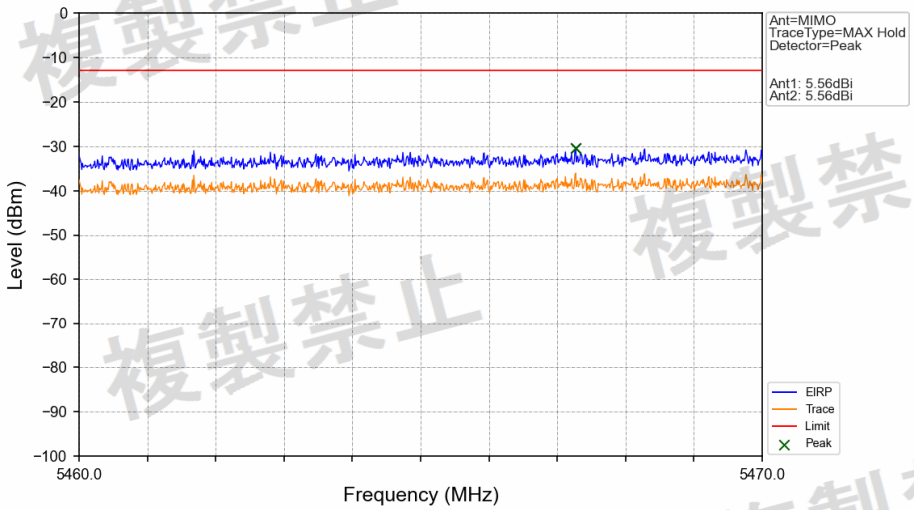
802.11n(HT40)_LCH_5510MHz_MIMO_NTNV



802.11n(HT40)_LCH_5510MHz_MIMO_NTNV

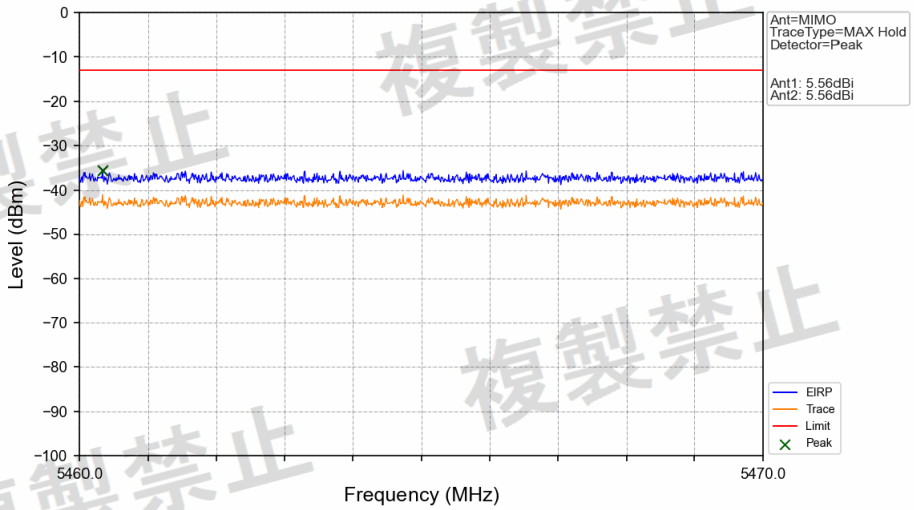


802.11n(HT40)_MCH_5590MHz_MIMO_NTNV



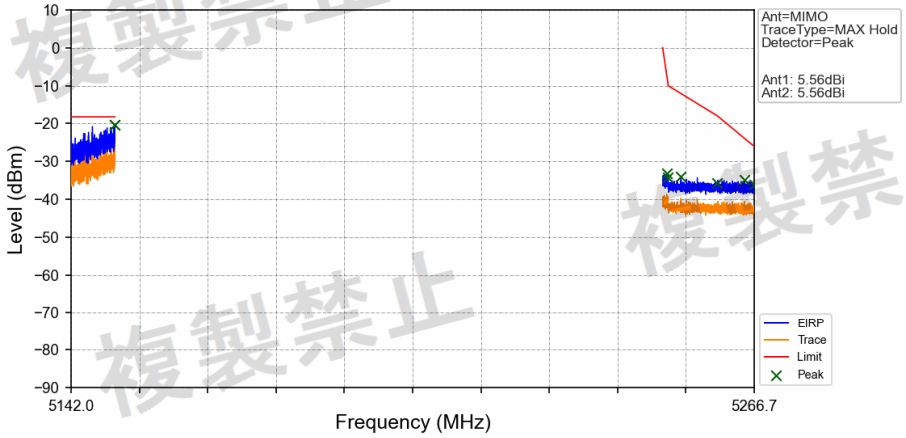
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5467.270	-36.06	/	MIMO	-30.50	/	-13.01	Pass
5460	5470	1	1	5467.270	-36.06	/	MIMO	-30.50	/	-13.01	Pass

802.11n(HT40)_HCH_5670MHz_MIMO_NTNV



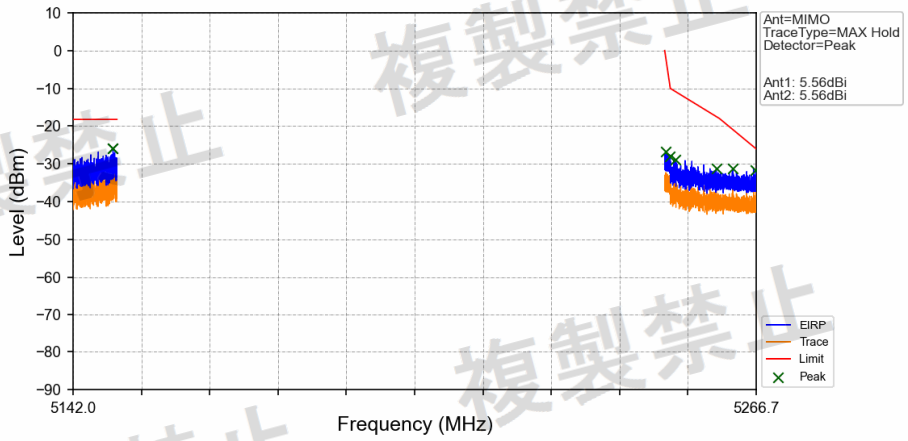
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5460.330	-41.01	/	MIMO	-35.45	/	-13.01	Pass
5460	5470	1	1	5460.330	-41.01	/	MIMO	-35.45	/	-13.01	Pass

802.11ac(VHT20)_LCH_5180MHz_MIMO_NTNV



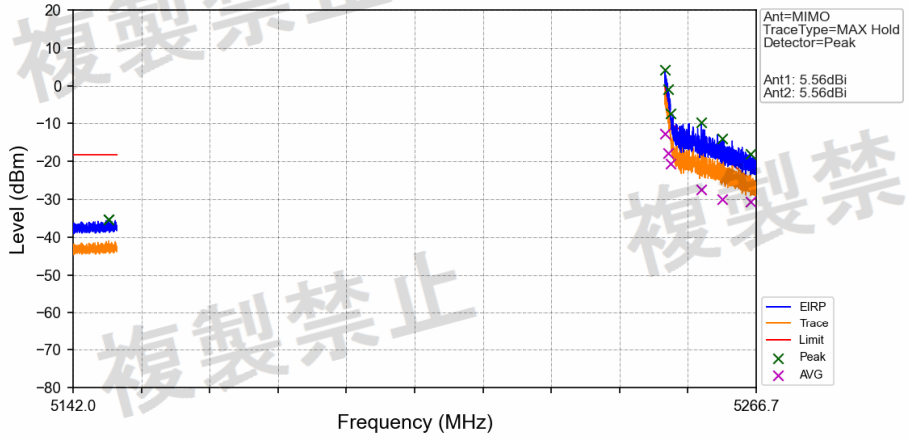
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.944	-25.80	/	MIMO	-20.24	/	-18.24	Pass
5142	5150	1	1	5149.944	-25.80	/	MIMO	-20.24	/	-18.24	Pass
5250	5251	1	1	5250.728	-38.62	/	MIMO	-33.06	/	-7.28	Pass
5250	5251	1	1	5251.000	-39.71	/	MIMO	-34.15	/	-10	Pass
5251	5260	1	1	5253.331	-39.67	/	MIMO	-34.11	/	-12.07	Pass
5251	5260	1	1	5259.991	-41.28	/	MIMO	-35.72	/	-17.99	Pass
5260	5266.7	1	1	5264.925	-40.52	/	MIMO	-34.95	/	-23.91	Pass
5260	5266.7	1	1	5266.660	-41.71	/	MIMO	-36.15	/	-25.99	Pass

802.11ac(VHT20)_MCH_5200MHz_MIMO_NTNV



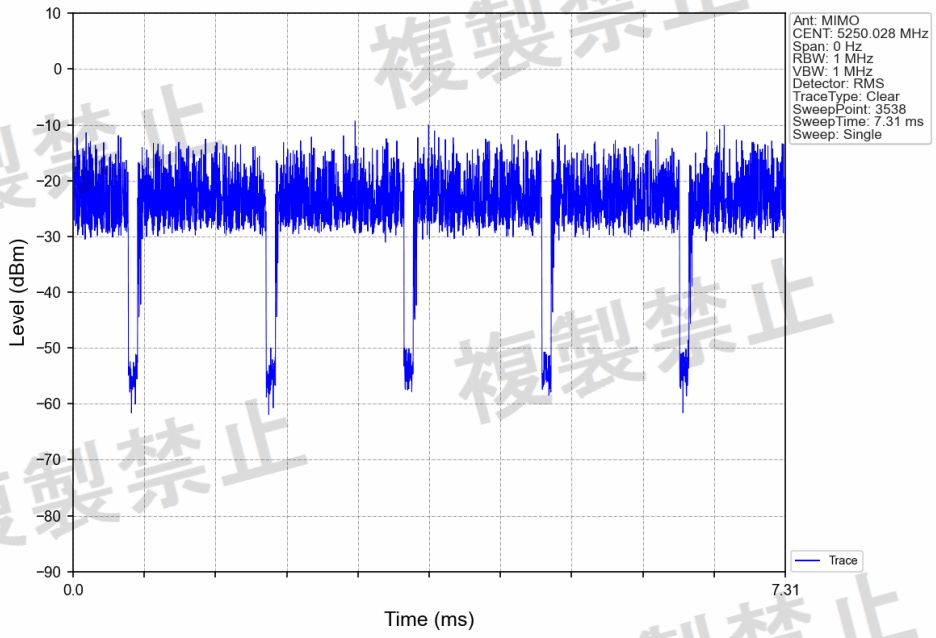
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.296	-31.36	/	MIMO	-25.80	/	-18.24	Pass
5142	5150	1	1	5149.296	-31.36	/	MIMO	-25.80	/	-18.24	Pass
5250	5251	1	1	5250.228	-32.27	/	MIMO	-26.71	/	-2.28	Pass
5250	5251	1	1	5250.957	-33.54	/	MIMO	-27.98	/	-9.57	Pass
5251	5260	1	1	5251.927	-34.40	/	MIMO	-28.84	/	-10.82	Pass
5251	5260	1	1	5259.406	-36.90	/	MIMO	-31.34	/	-17.47	Pass
5260	5266.7	1	1	5262.439	-36.78	/	MIMO	-31.22	/	-20.93	Pass
5260	5266.7	1	1	5266.620	-37.16	/	MIMO	-31.60	/	-25.94	Pass

802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV

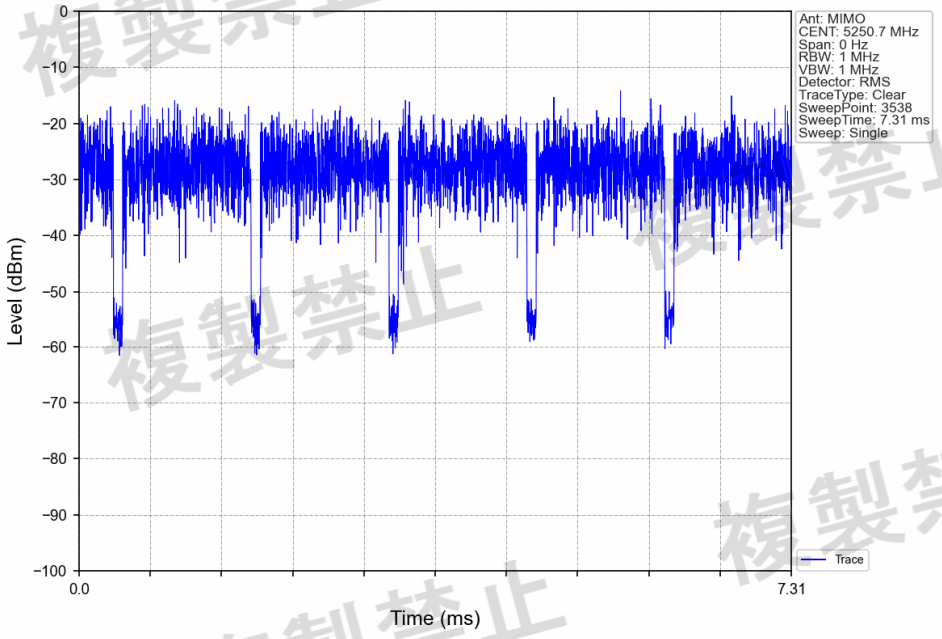


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.536	-40.90	/	MIMO	-35.34	/	-18.24	Pass
5142	5150	1	1	5148.536	-40.90	/	MIMO	-35.34	/	-18.24	Pass
5250	5251	1	1	5250.028	-1.42	-18.28	MIMO	4.13	-12.72	-0.28	Pass
5250	5251	1	1	5250.700	-6.43	-23.46	MIMO	-0.87	-17.90	-7	Pass
5251	5260	1	1	5251.108	-12.91	-26.12	MIMO	-7.35	-20.56	-10.1	Pass
5251	5260	1	1	5256.643	-15.16	-32.96	MIMO	-9.61	-27.40	-15.02	Pass
5260	5266.7	1	1	5260.529	-19.57	-35.48	MIMO	-14.01	-29.92	-18.63	Pass
5260	5266.7	1	1	5265.641	-23.54	-36.28	MIMO	-17.98	-30.72	-24.77	Pass

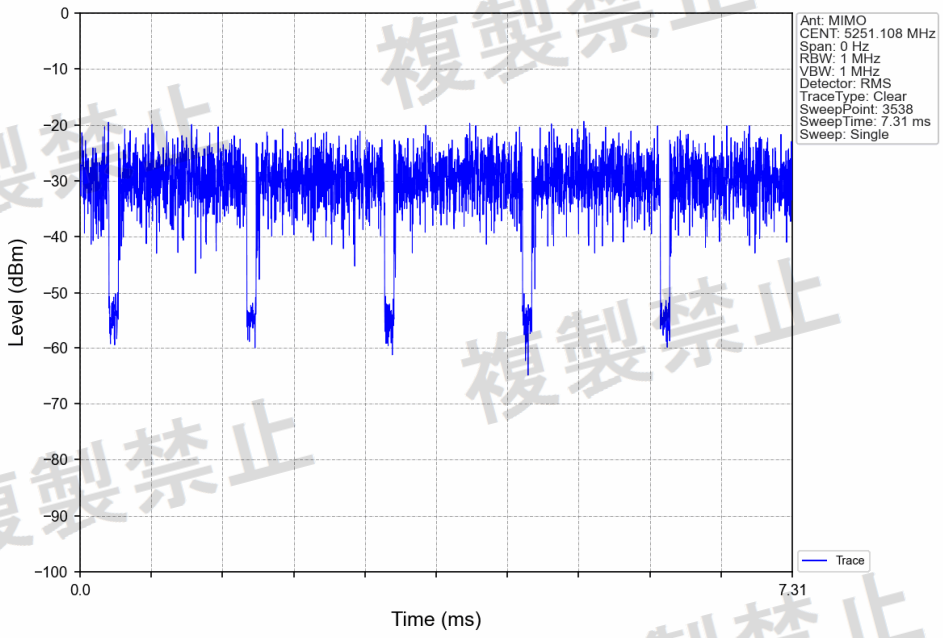
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



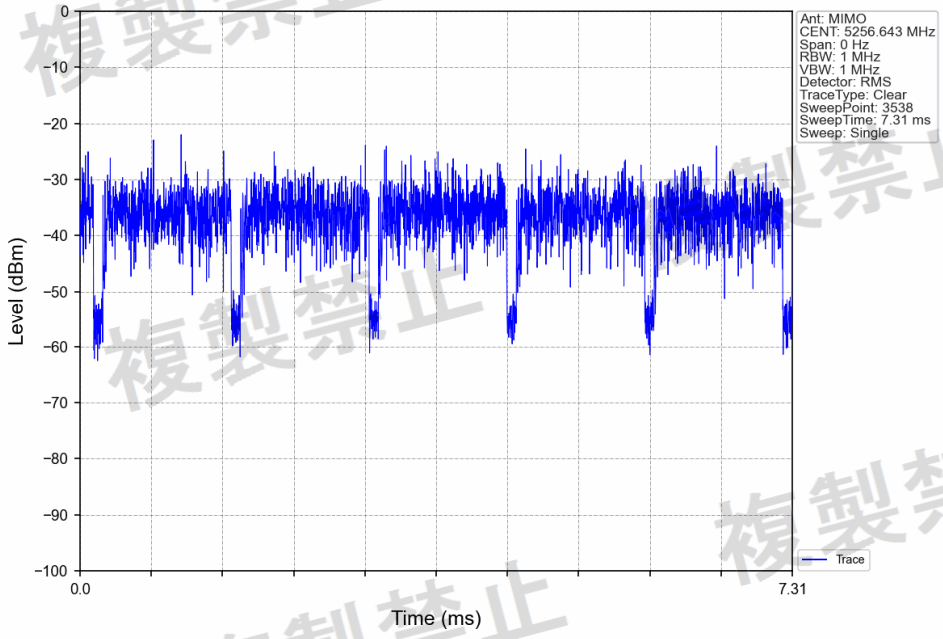
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



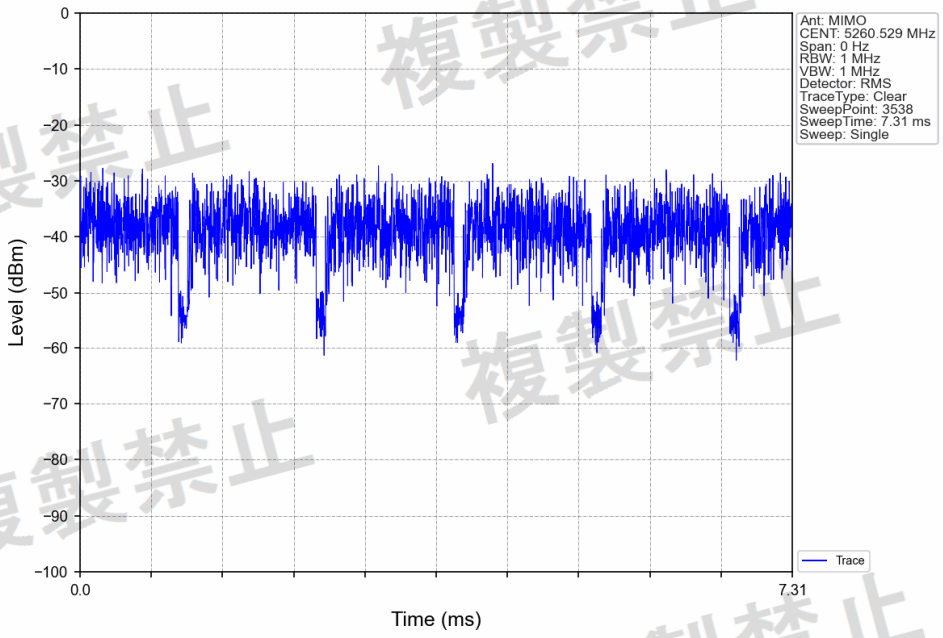
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



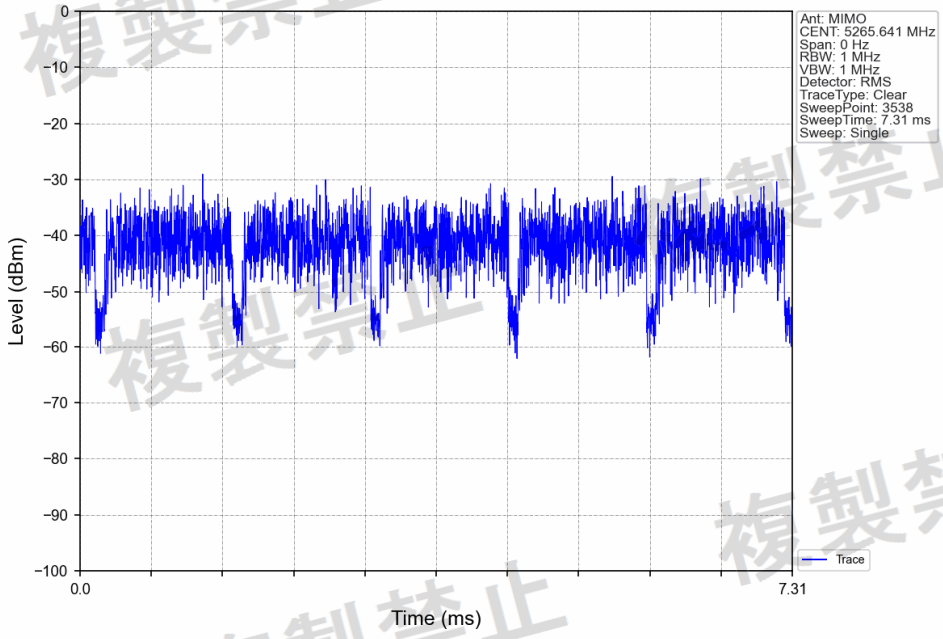
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



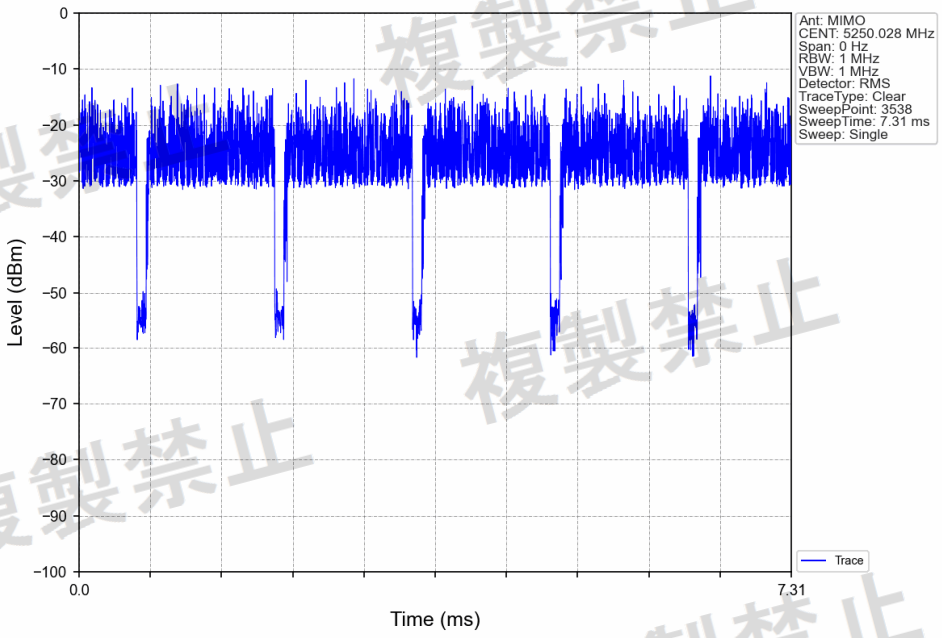
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



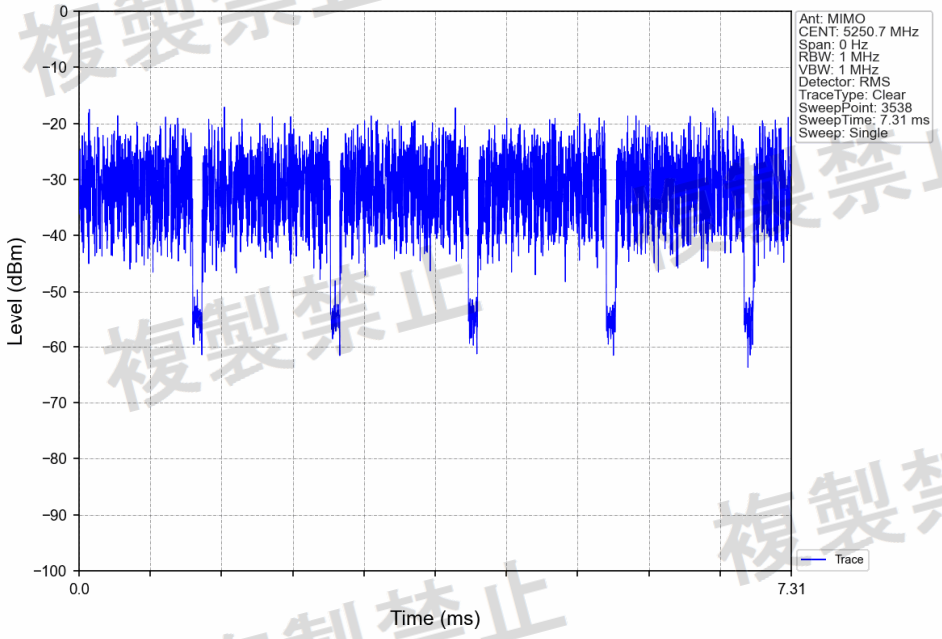
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



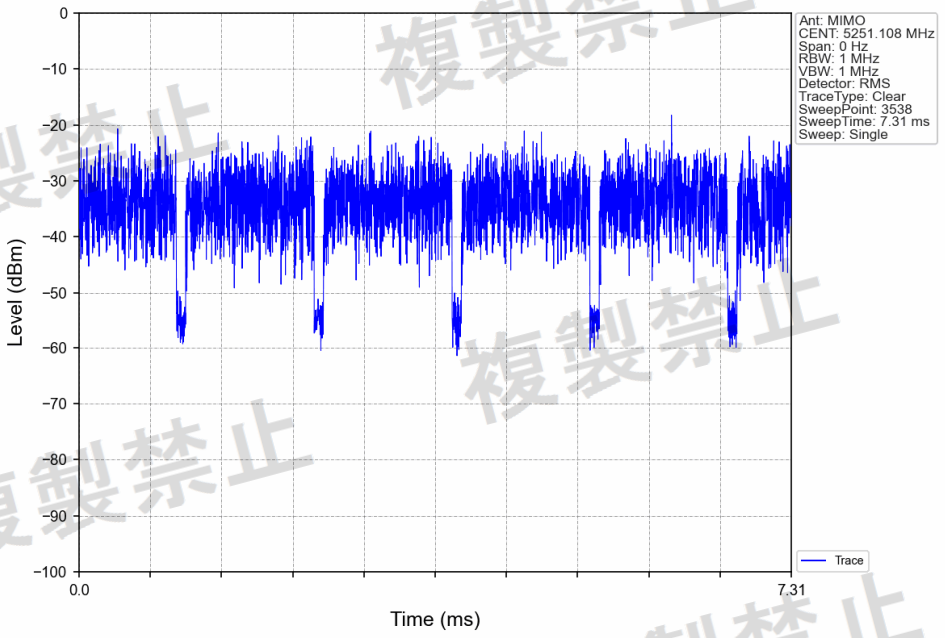
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



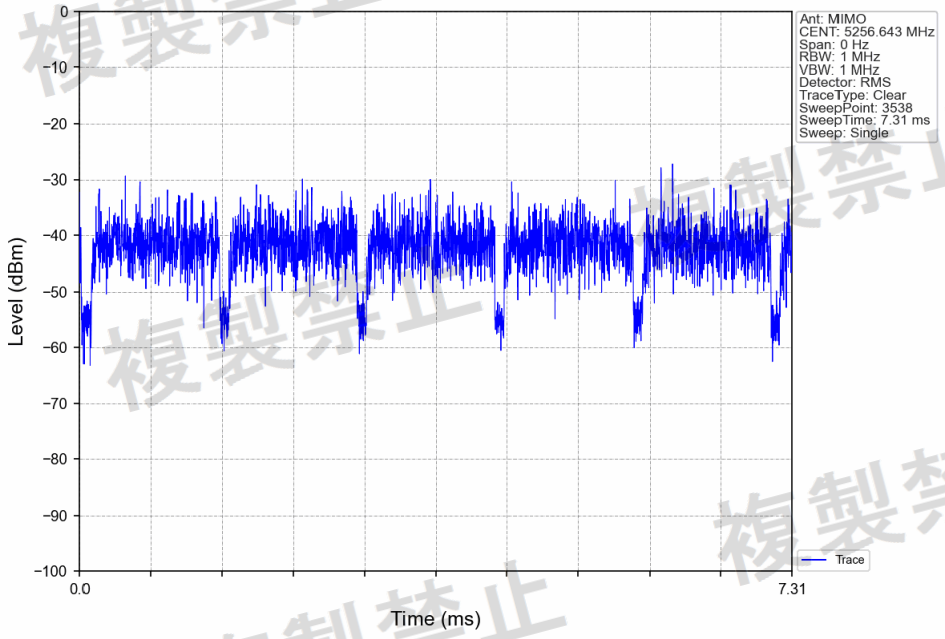
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



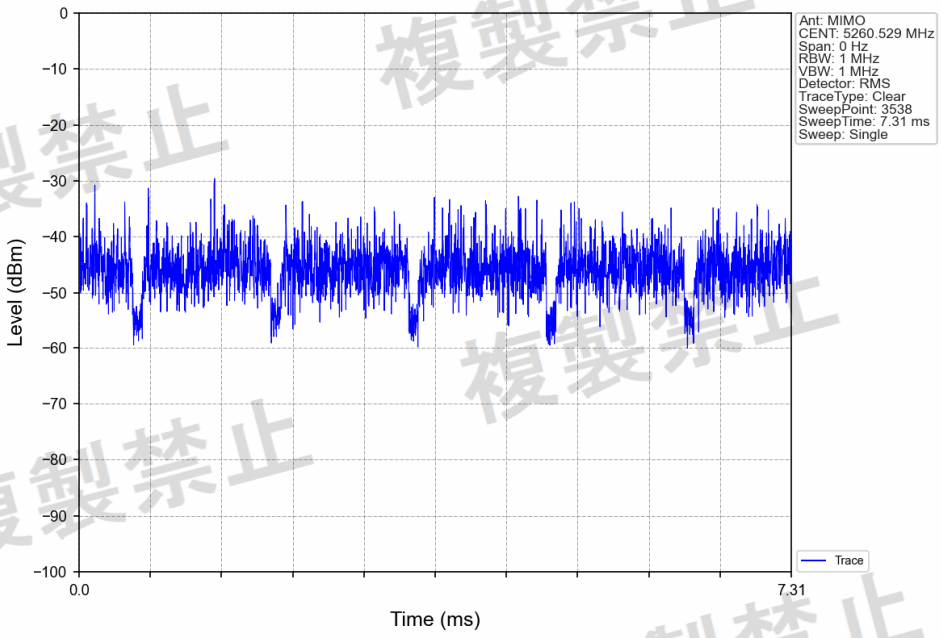
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



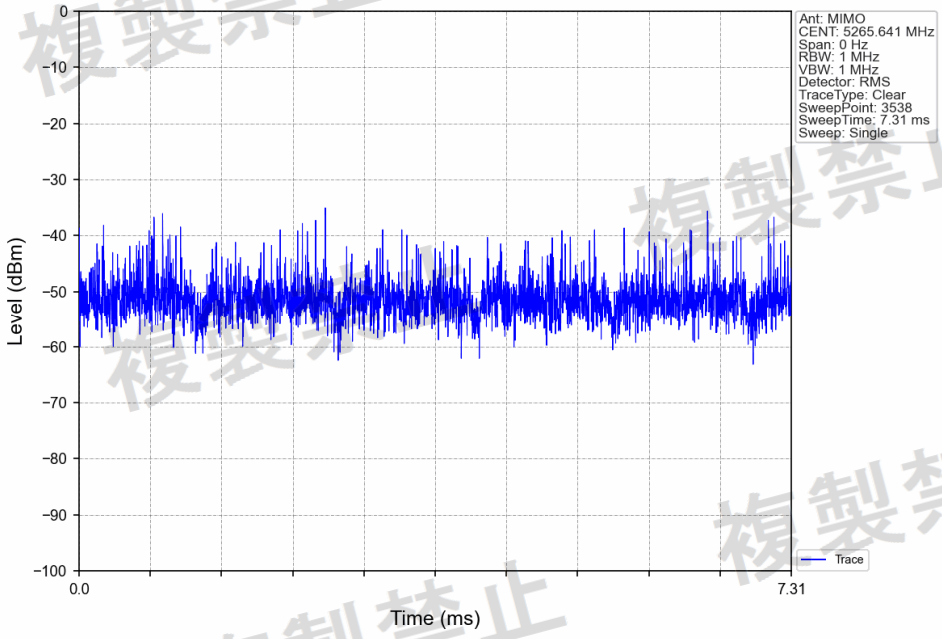
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



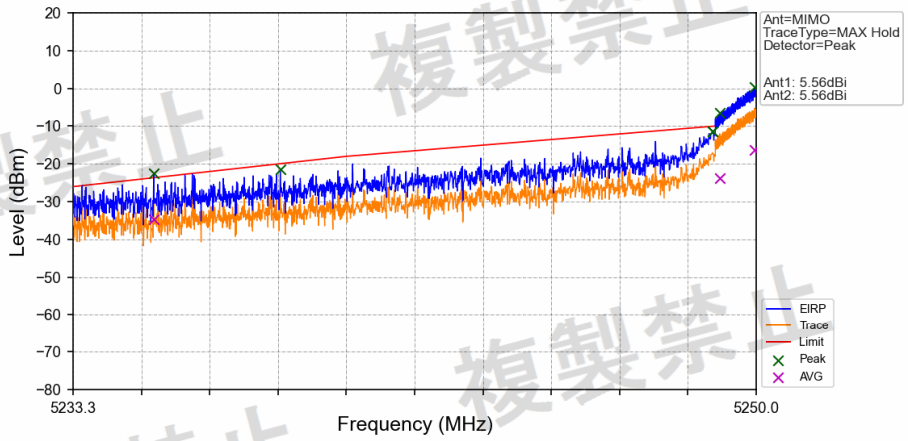
802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV

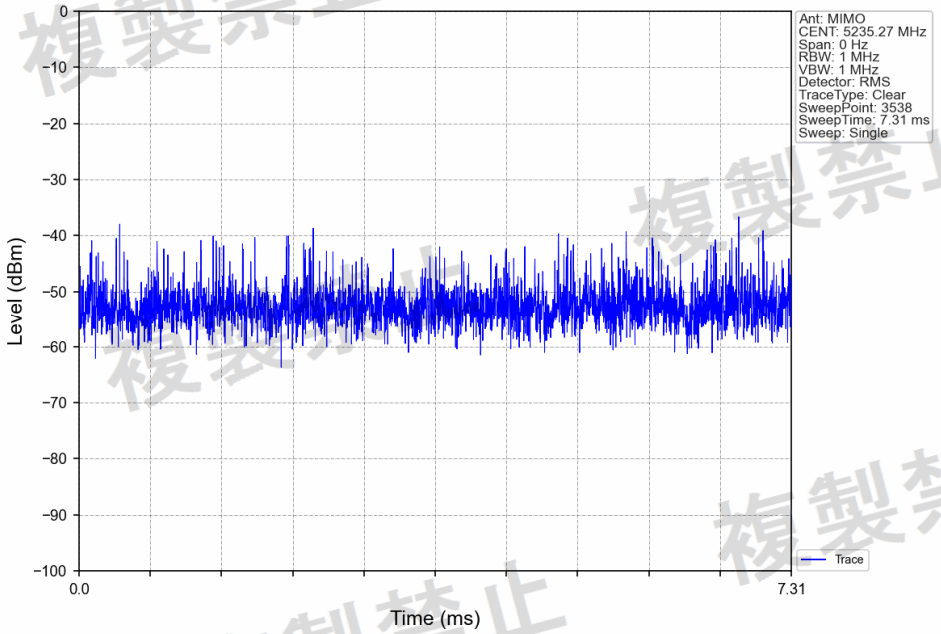


802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV

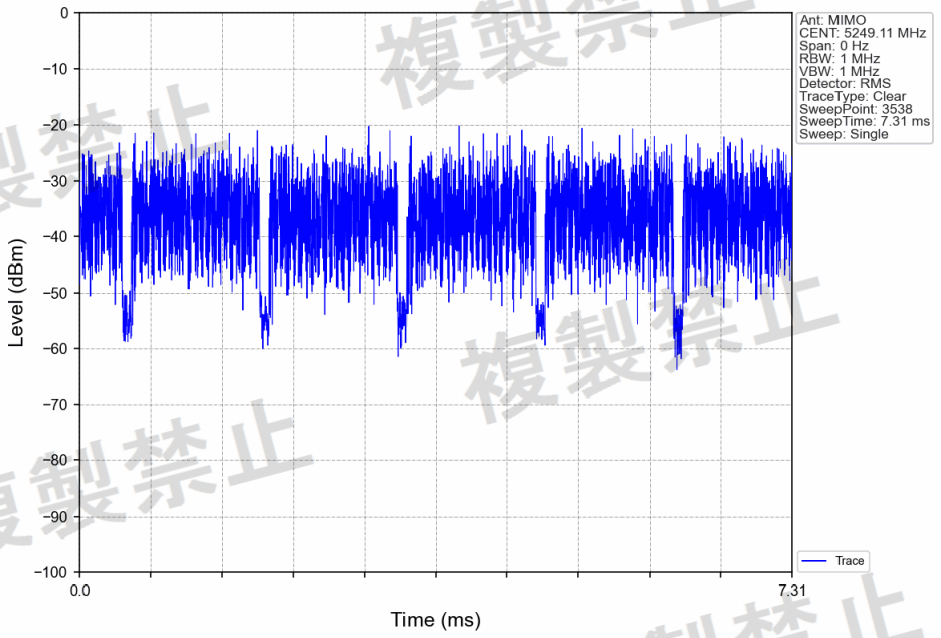


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5235.270	-28.04	-40.15	MIMO	-22.48	-34.59	-23.68	Pass
5233.3	5240	1	1	5238.365	-26.99	/	MIMO	-21.43	/	-19.96	Pass
5240	5249	1	1	5248.928	-17.01	/	MIMO	-11.45	/	-10.06	Pass
5240	5249	1	1	5248.928	-17.01	/	MIMO	-11.45	/	-10.06	Pass
5249	5250	1	1	5249.110	-12.02	-29.40	MIMO	-6.46	-23.84	-8.9	Pass
5249	5250	1	1	5249.963	-5.24	-21.88	MIMO	0.32	-16.32	-0.37	Pass

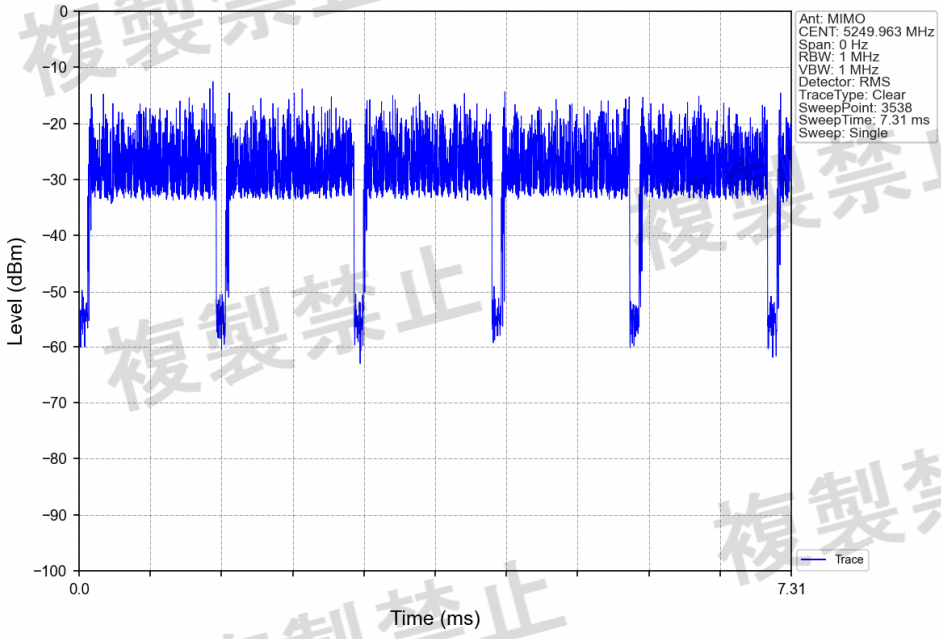
802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV



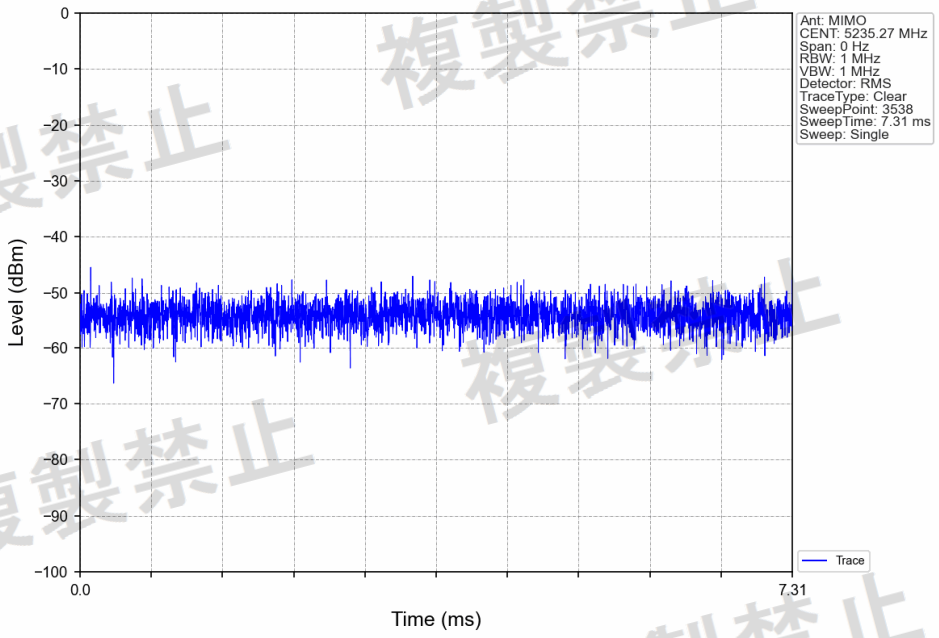
802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV



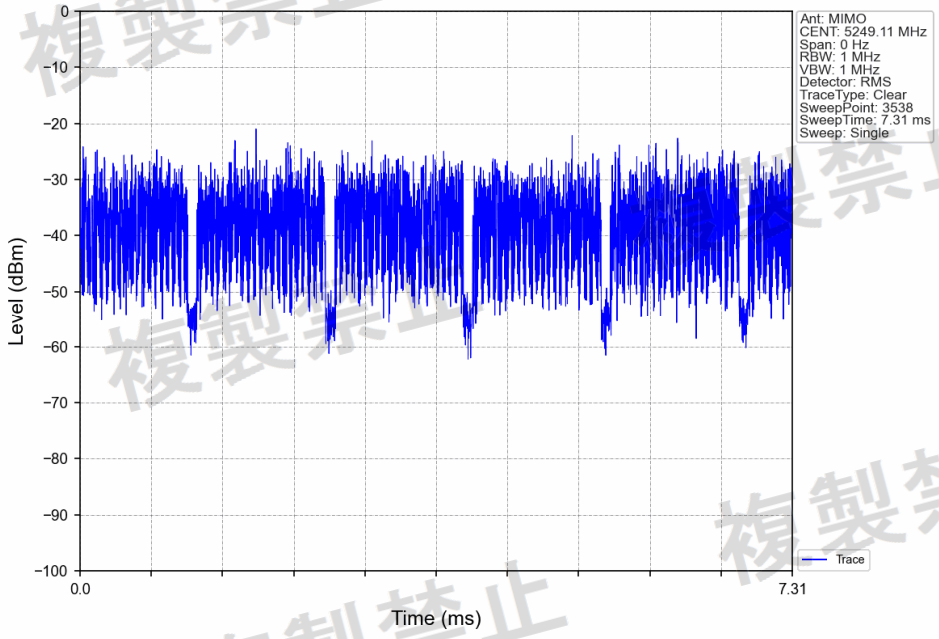
802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV



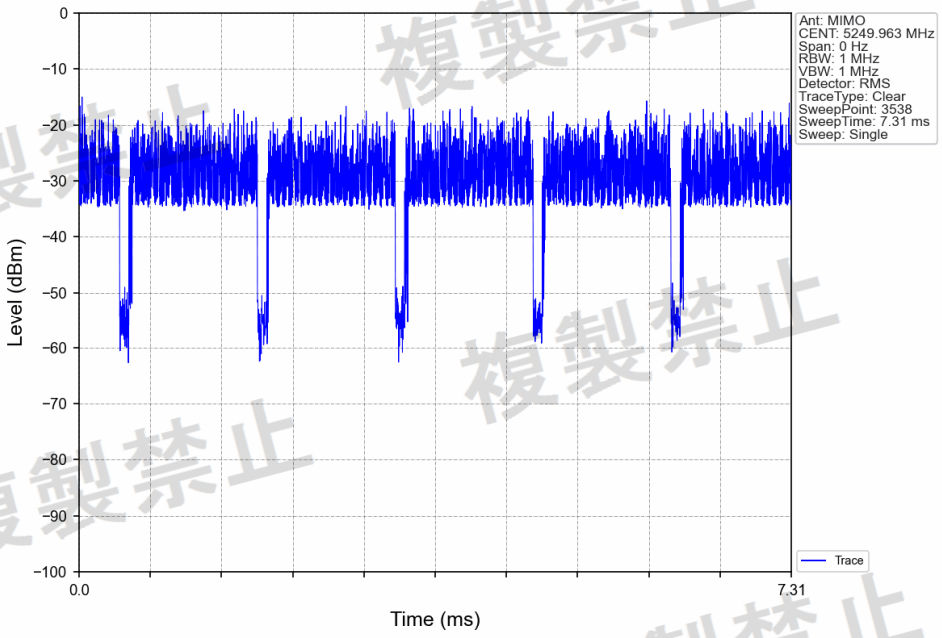
802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV



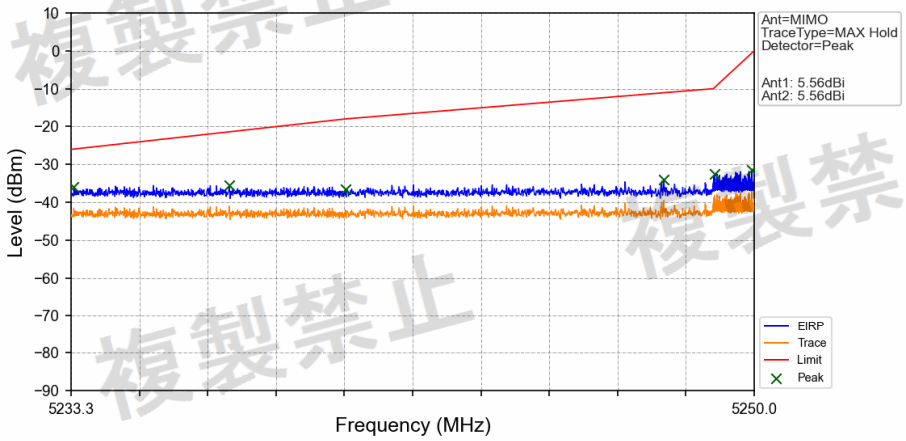
802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV



802.11ac(VHT20)_LCH_5260MHz_MIMO_NTNV

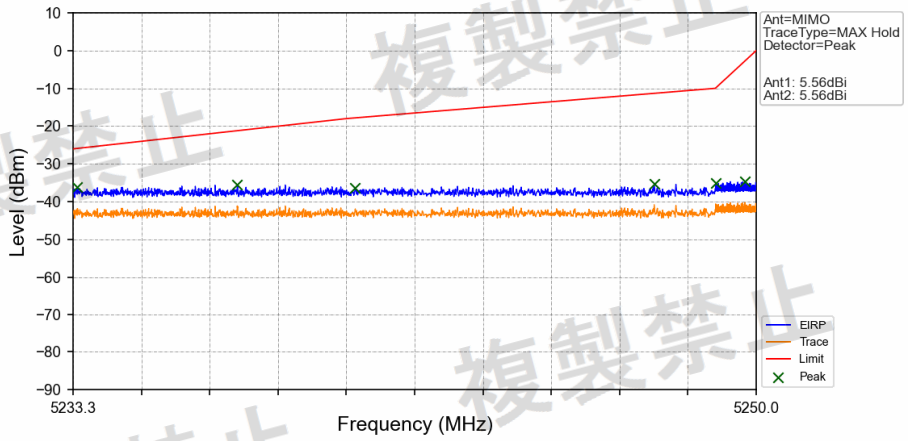


802.11ac(VHT20)_MCH_5300MHz_MIMO_NTNV



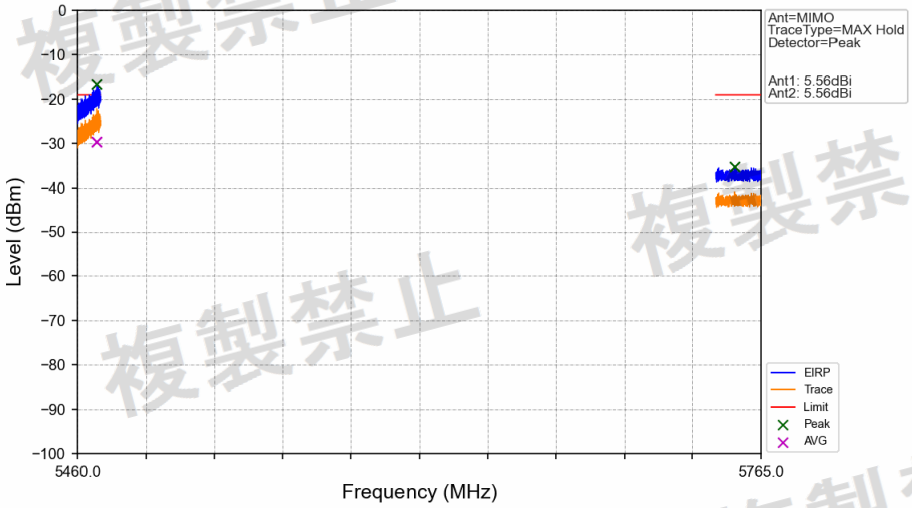
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.367	-41.55	/	MIMO	-35.99	/	-25.96	Pass
5233.3	5240	1	1	5237.166	-41.00	/	MIMO	-35.44	/	-21.4	Pass
5240	5249	1	1	5240.009	-42.06	/	MIMO	-36.50	/	-17.99	Pass
5240	5249	1	1	5247.794	-39.52	/	MIMO	-33.96	/	-11.07	Pass
5249	5250	1	1	5249.038	-38.10	/	MIMO	-32.54	/	-9.62	Pass
5249	5250	1	1	5249.945	-37.05	/	MIMO	-31.49	/	-0.55	Pass

802.11ac(VHT20)_HCH_5320MHz_MIMO_NTNV



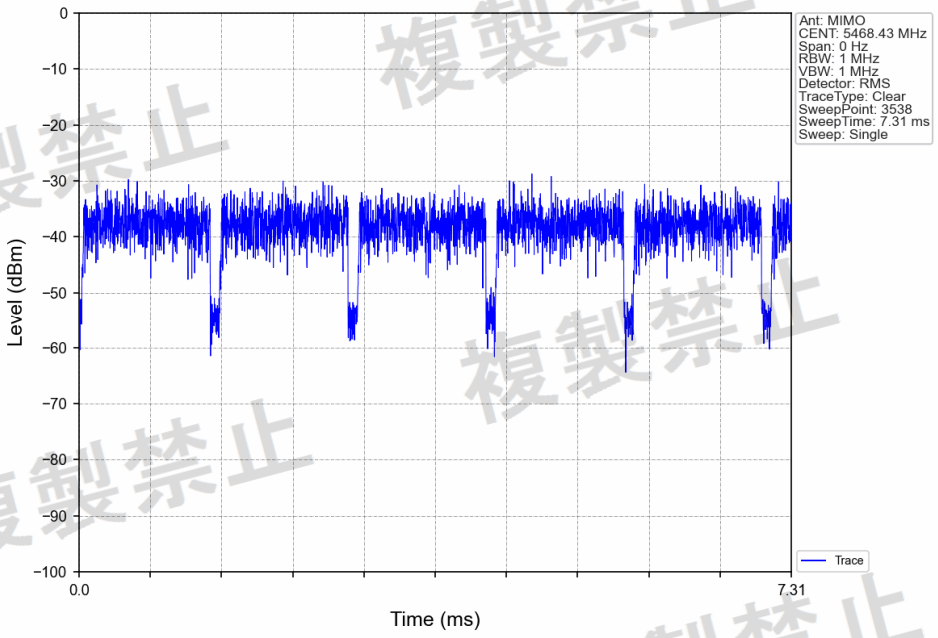
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.407	-41.81	/	MIMO	-36.25	/	-25.91	Pass
5233.3	5240	1	1	5237.313	-41.12	/	MIMO	-35.57	/	-21.22	Pass
5240	5249	1	1	5240.198	-41.93	/	MIMO	-36.37	/	-17.82	Pass
5240	5249	1	1	5247.506	-40.82	/	MIMO	-35.26	/	-11.33	Pass
5249	5250	1	1	5249.008	-40.62	/	MIMO	-35.06	/	-9.92	Pass
5249	5250	1	1	5249.726	-40.22	/	MIMO	-34.66	/	-2.74	Pass

802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV

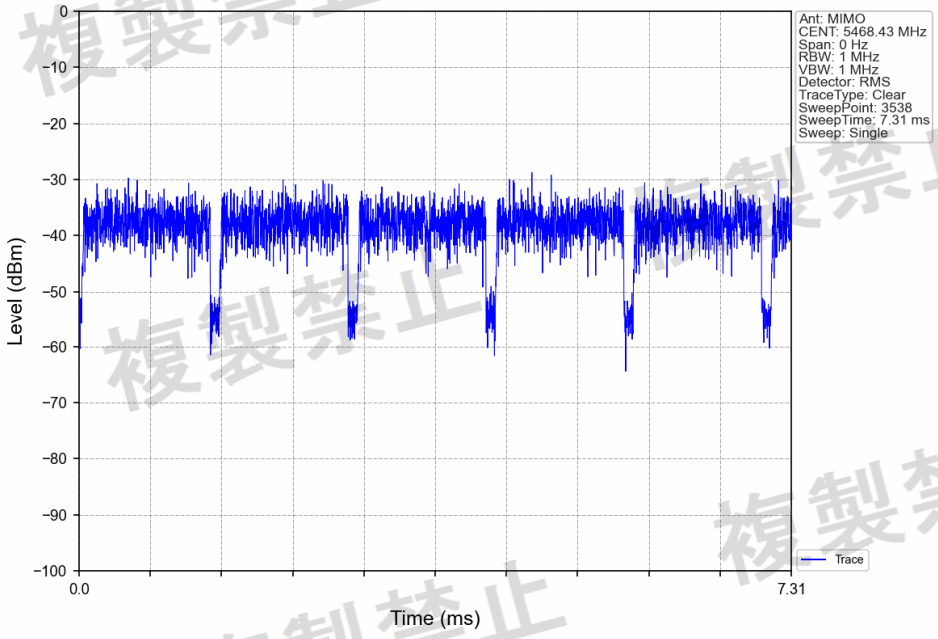


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5468.430	-22.16	-35.25	MIMO	-16.60	-29.69	-19.03	Pass
5460	5470	1	1	5468.430	-22.16	-35.25	MIMO	-16.60	-29.69	-19.03	Pass
5745	5765	1	1	5753.080	-40.92	/	MIMO	-35.35	/	-19.03	Pass
5745	5765	1	1	5753.080	-40.92	/	MIMO	-35.35	/	-19.03	Pass

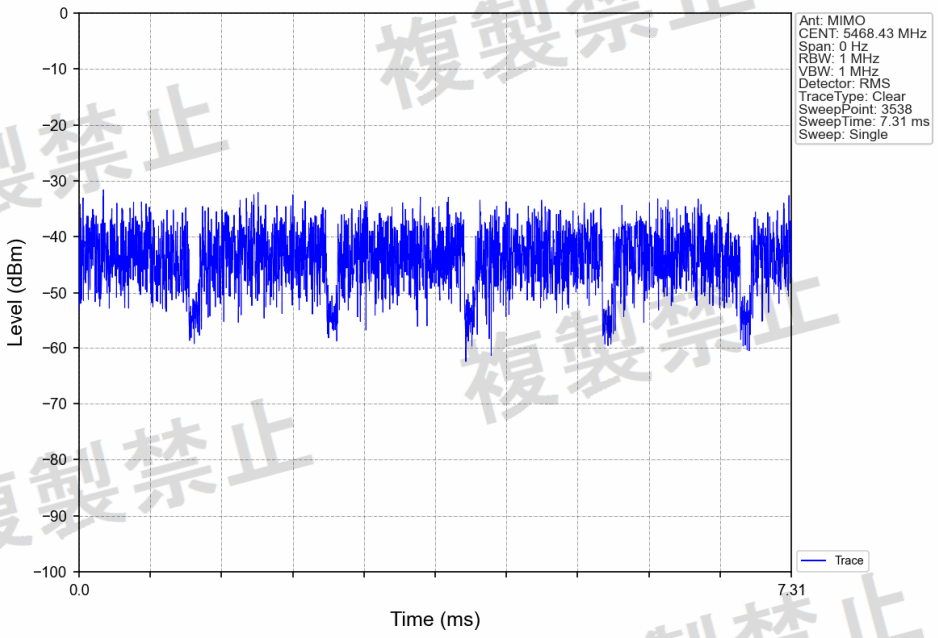
802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV



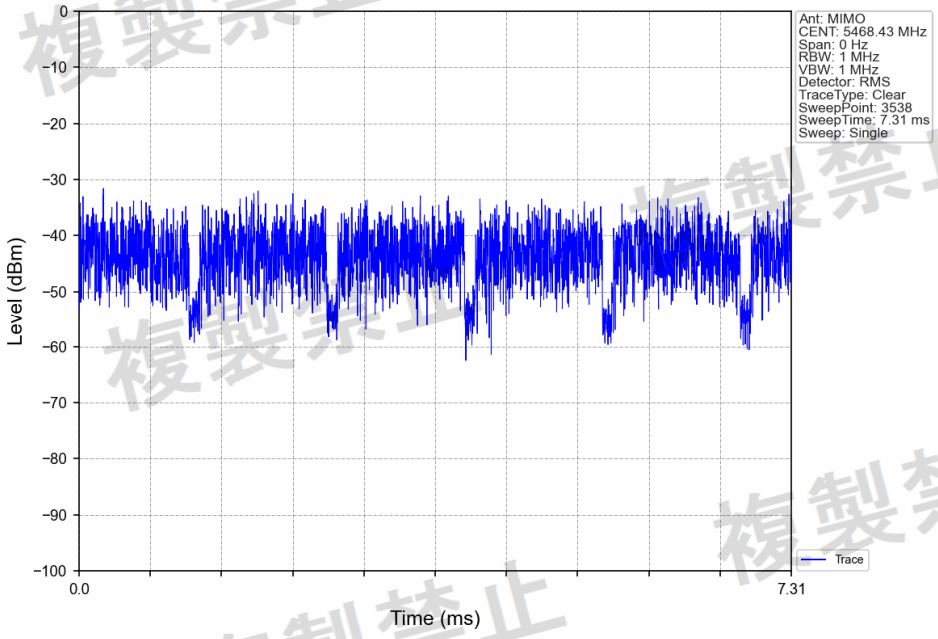
802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV



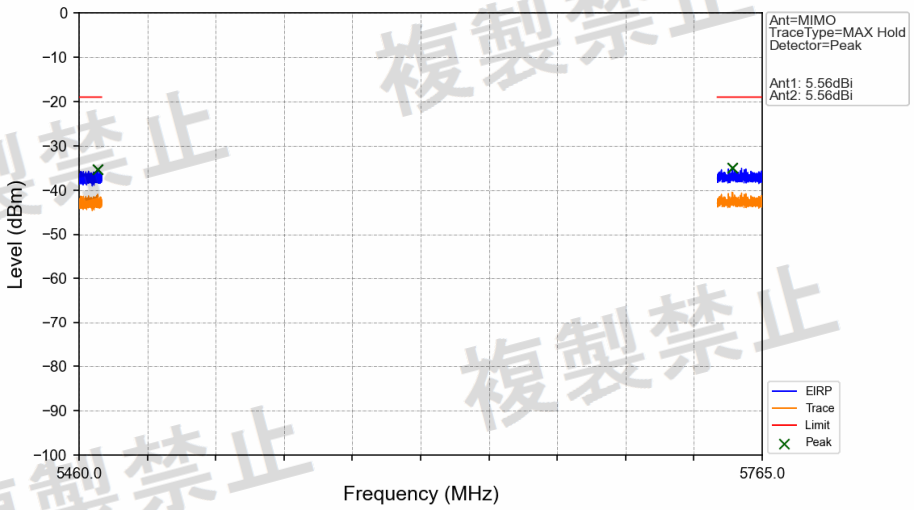
802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV



802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV

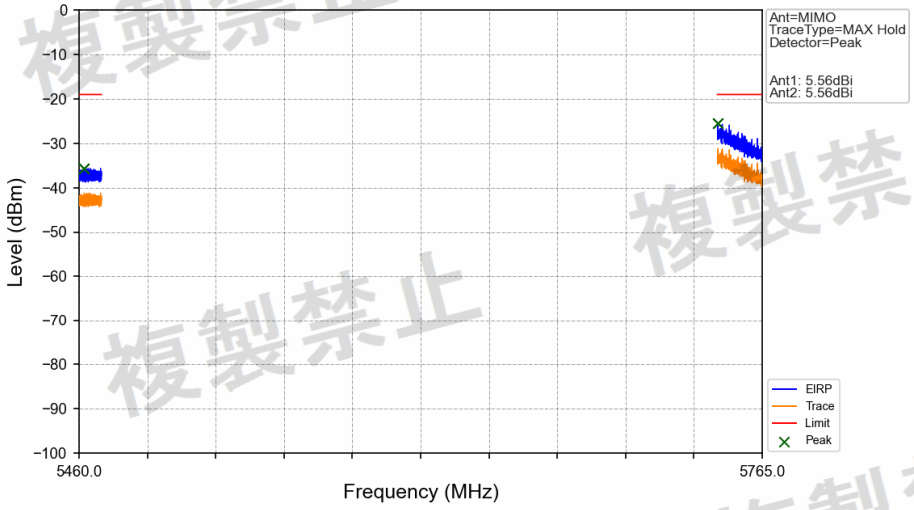


802.11ac(VHT20)_MCH_5600MHz_MIMO_NTNV



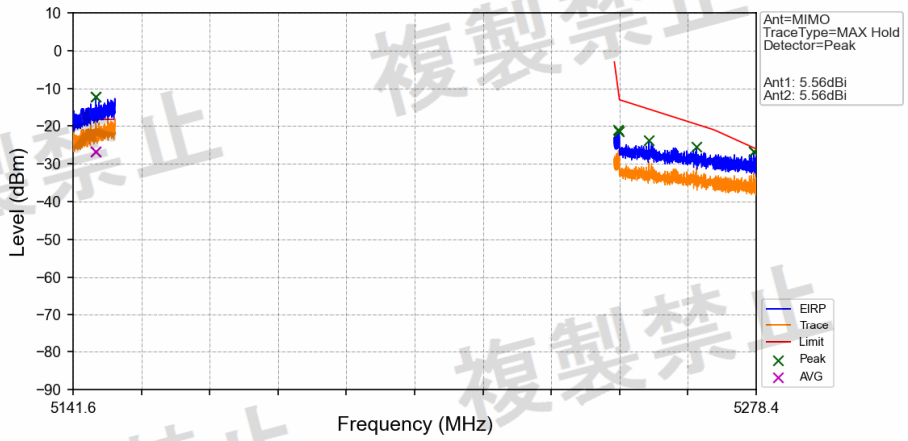
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5468.320	-40.96	/	MIMO	-35.40	/	-19.03	Pass
5460	5470	1	1	5468.320	-40.96	/	MIMO	-35.40	/	-19.03	Pass
5745	5765	1	1	5751.500	-40.49	/	MIMO	-34.93	/	-19.03	Pass
5745	5765	1	1	5751.500	-40.49	/	MIMO	-34.93	/	-19.03	Pass

802.11ac(VHT20)_HCH_5700MHz_MIMO_NTNV



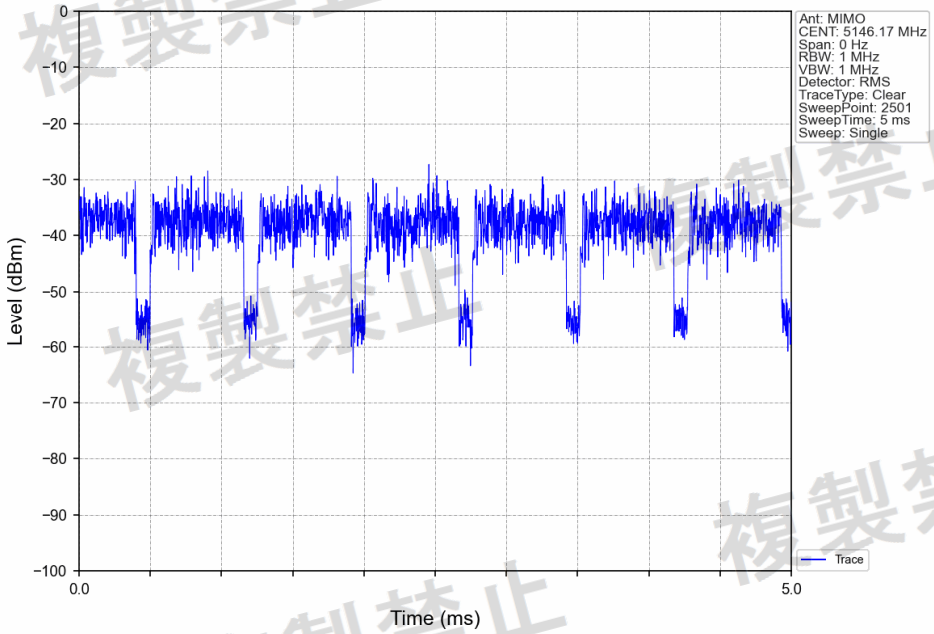
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5462.290	-41.18	/	MIMO	-35.62	/	-19.03	Pass
5460	5470	1	1	5462.290	-41.18	/	MIMO	-35.62	/	-19.03	Pass
5745	5765	1	1	5745.280	-31.15	/	MIMO	-25.59	/	-19.03	Pass
5745	5765	1	1	5745.280	-31.15	/	MIMO	-25.59	/	-19.03	Pass

802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV

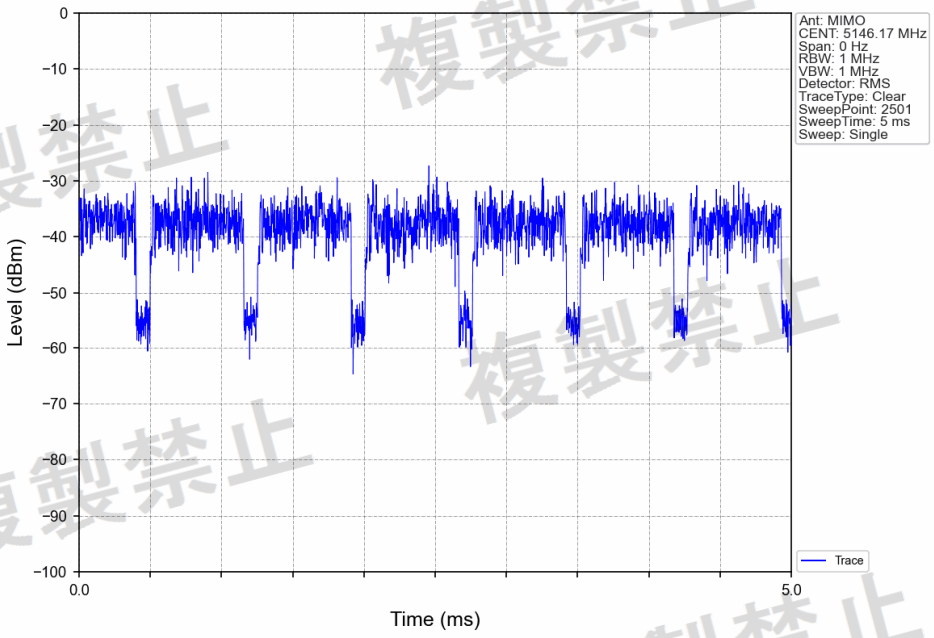


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.170	-17.85	-32.22	MIMO	-12.29	-26.66	-18.24	Pass
5141.6	5150	1	1	5146.170	-17.85	-32.22	MIMO	-12.29	-26.66	-18.24	Pass
5250	5251	1	1	5250.814	-26.49	/	MIMO	-20.93	/	-11.15	Pass
5250	5251	1	1	5250.953	-27.07	/	MIMO	-21.51	/	-12.54	Pass
5251	5270	1	1	5256.928	-29.42	/	MIMO	-23.86	/	-15.51	Pass
5251	5270	1	1	5266.390	-31.00	/	MIMO	-25.44	/	-19.49	Pass
5270	5278.4	1	1	5277.930	-32.37	/	MIMO	-26.81	/	-25.77	Pass
5270	5278.4	1	1	5277.930	-32.37	/	MIMO	-26.81	/	-25.77	Pass

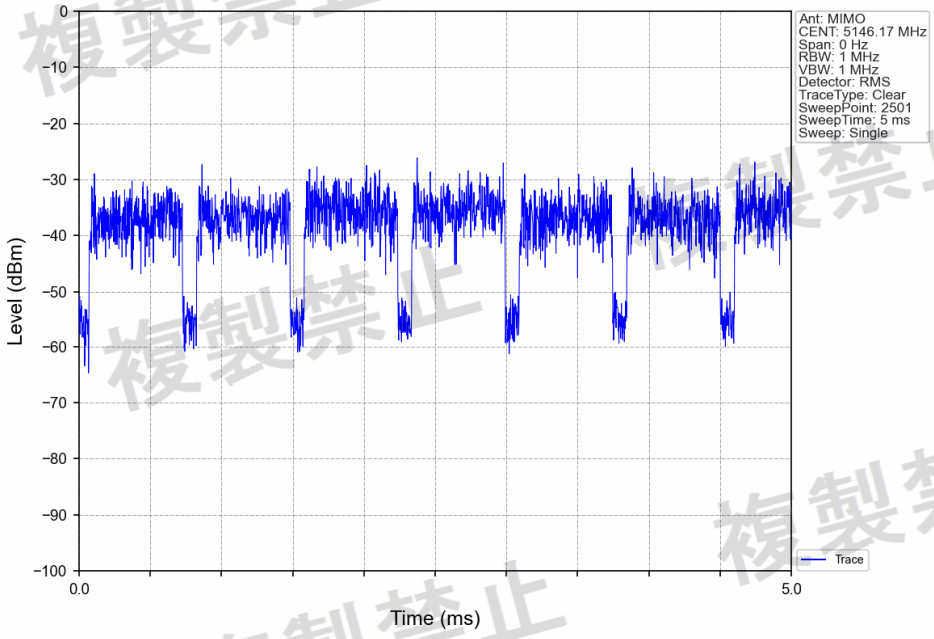
802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



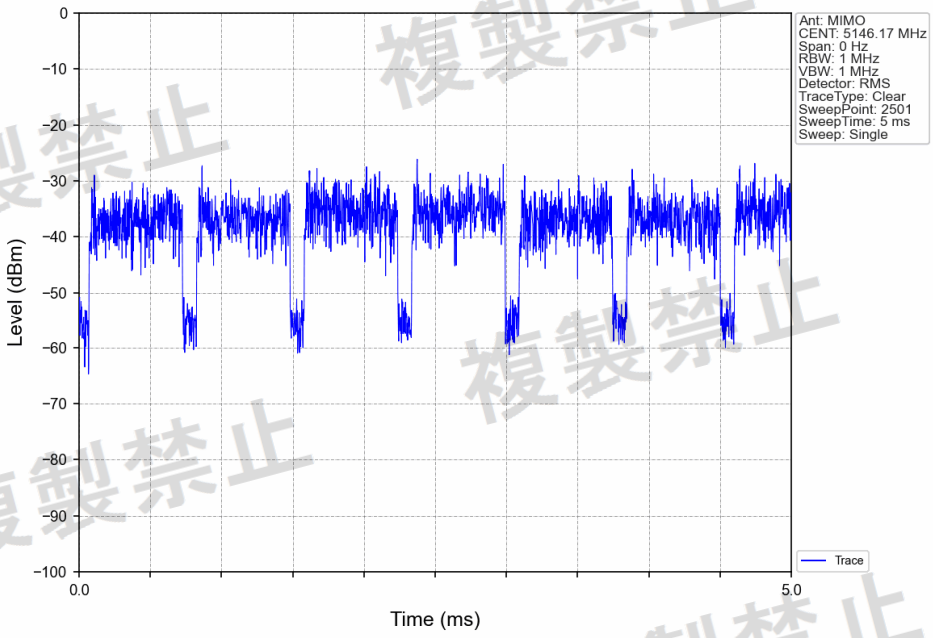
802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



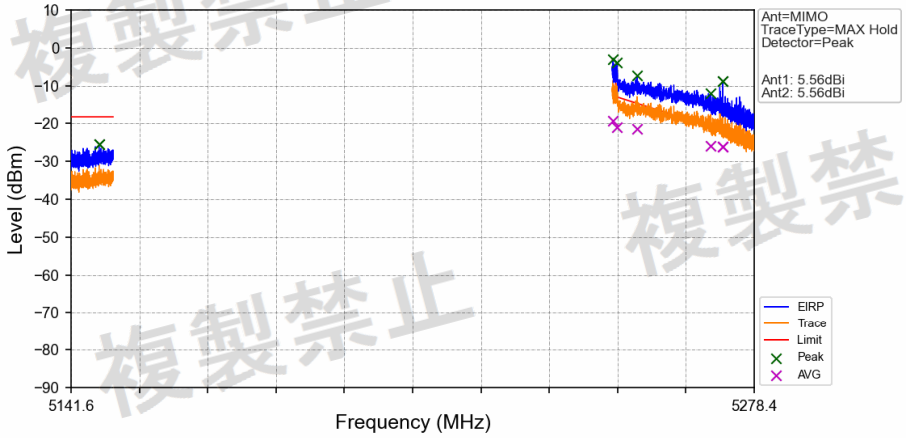
802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV

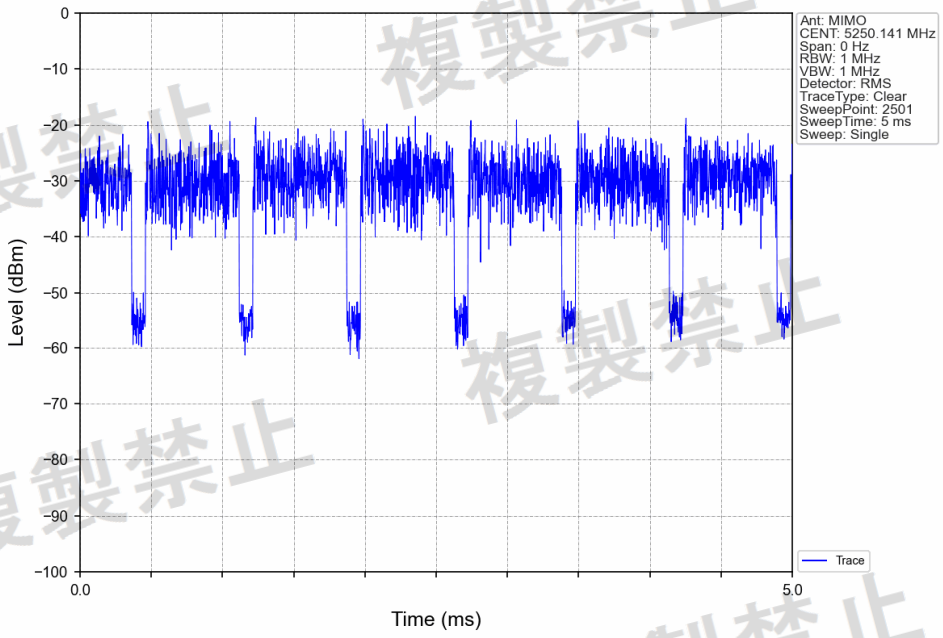


802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV

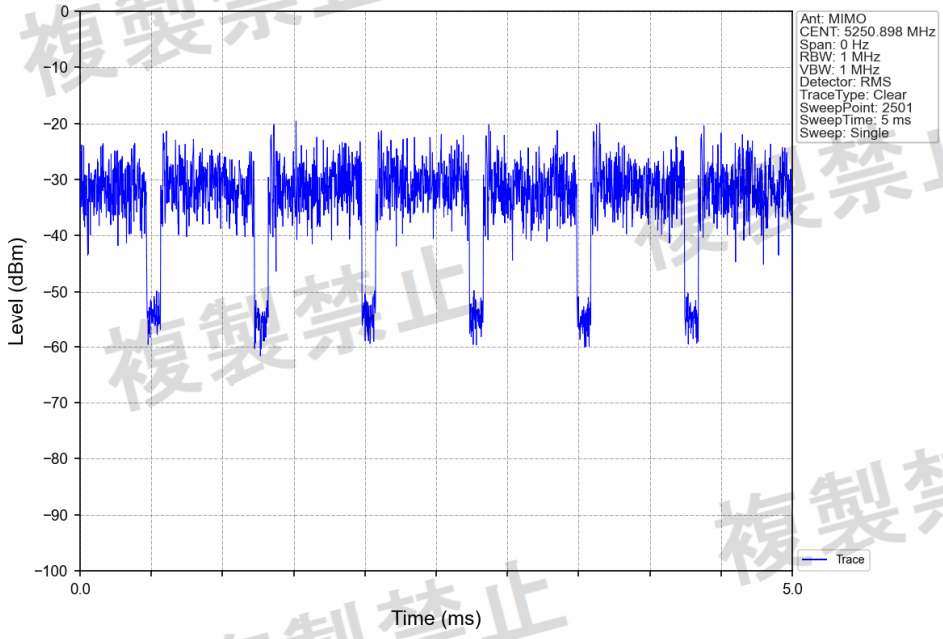


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5147.203	-30.97	/	MIMO	-25.40	/	-18.24	Pass
5141.6	5150	1	1	5147.203	-30.97	/	MIMO	-25.40	/	-18.24	Pass
5250	5251	1	1	5250.141	-8.64	-24.91	MIMO	-3.08	-19.35	-4.42	Pass
5250	5251	1	1	5250.898	-9.41	-26.47	MIMO	-3.85	-20.91	-11.99	Pass
5251	5270	1	1	5254.933	-12.86	-26.87	MIMO	-7.29	-21.31	-14.67	Pass
5251	5270	1	1	5269.639	-17.60	-31.41	MIMO	-12.04	-25.85	-20.86	Pass
5270	5278.4	1	1	5272.083	-14.34	-31.58	MIMO	-8.79	-26.02	-22.26	Pass
5270	5278.4	1	1	5272.083	-14.34	-31.58	MIMO	-8.79	-26.02	-22.26	Pass

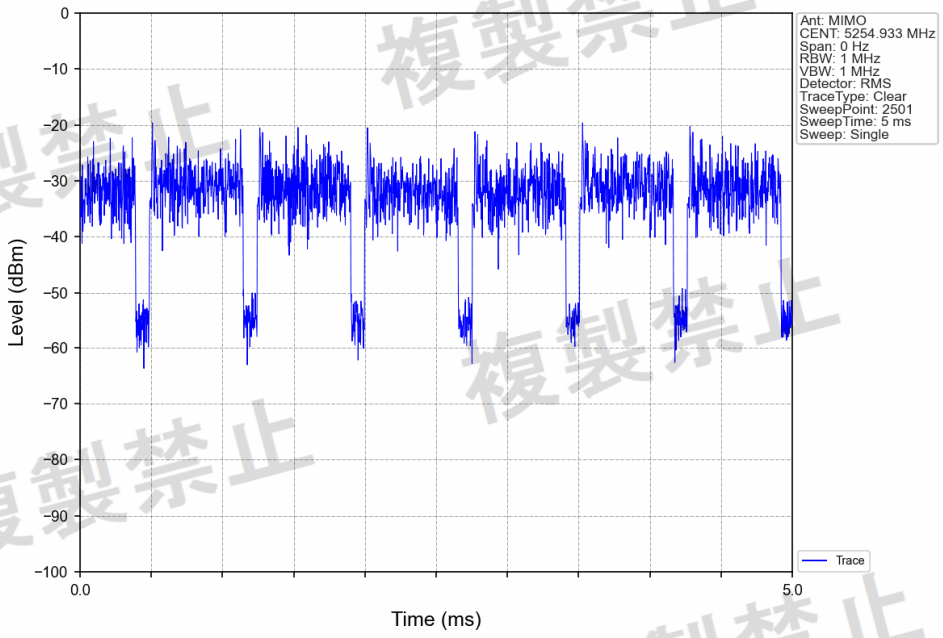
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



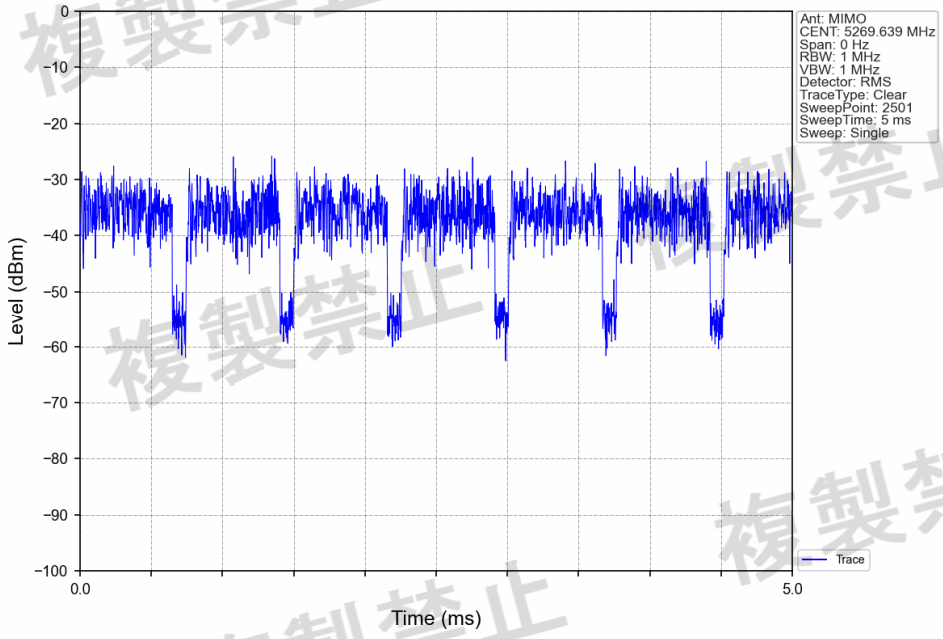
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



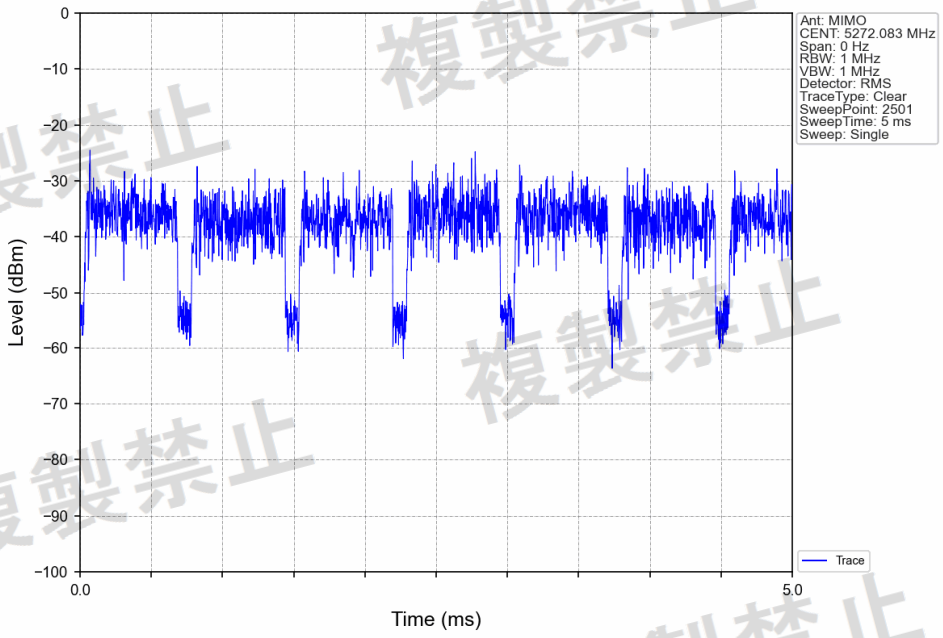
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



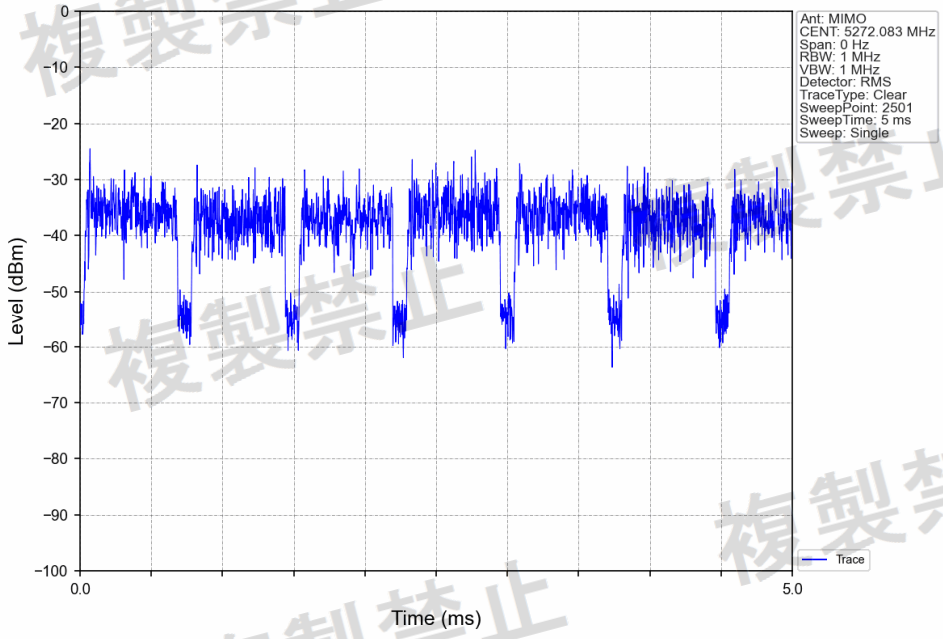
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



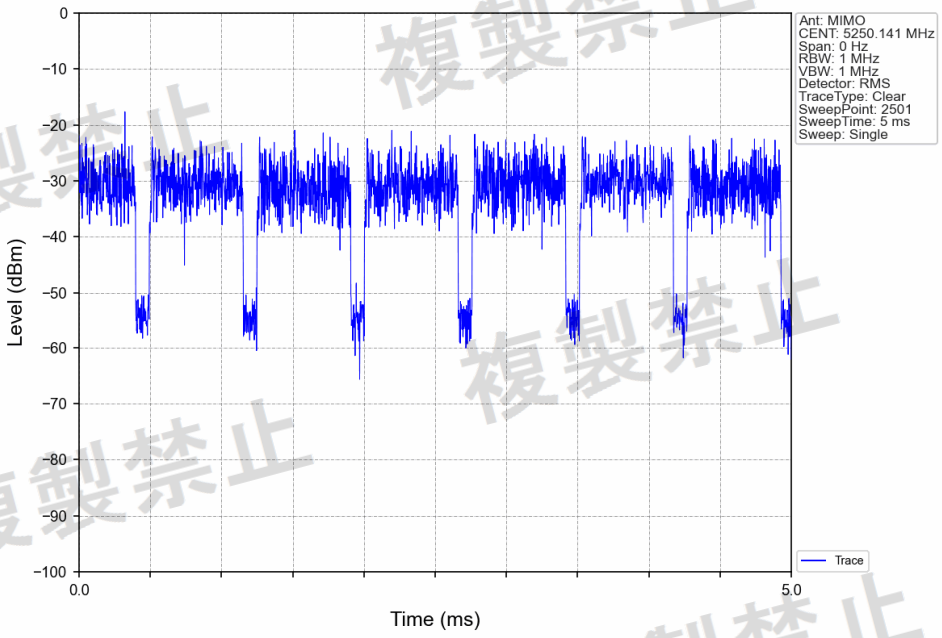
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



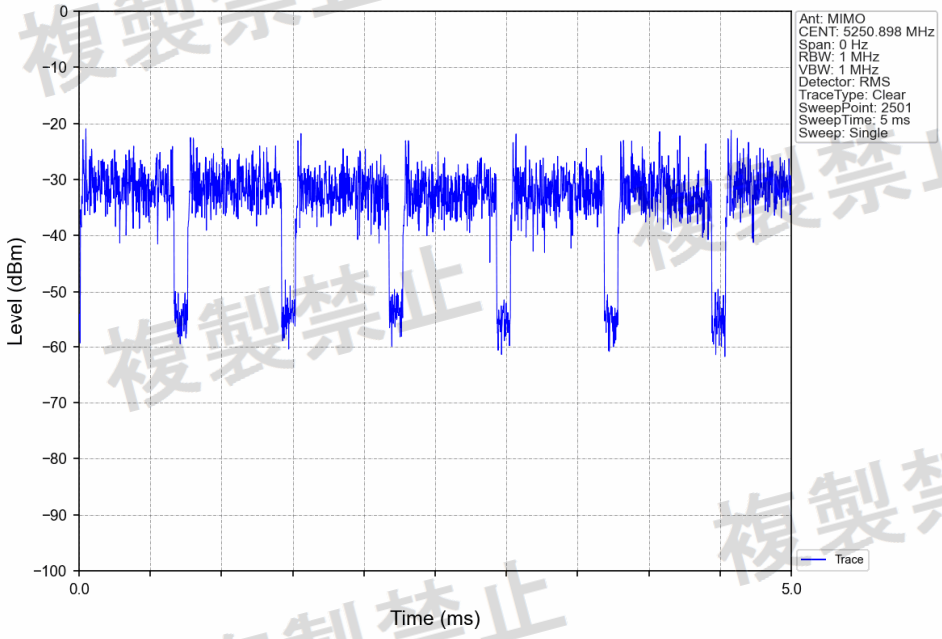
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



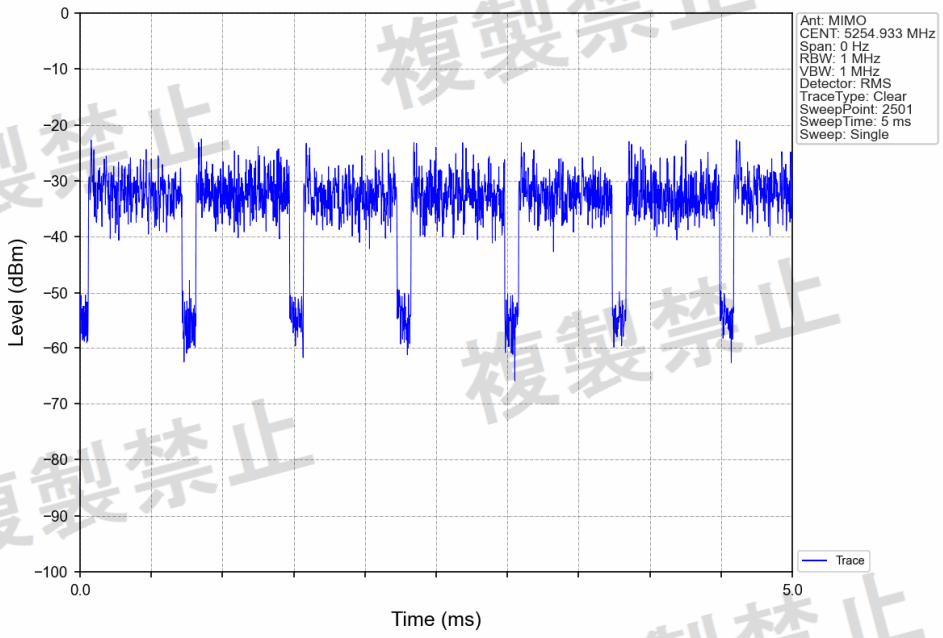
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



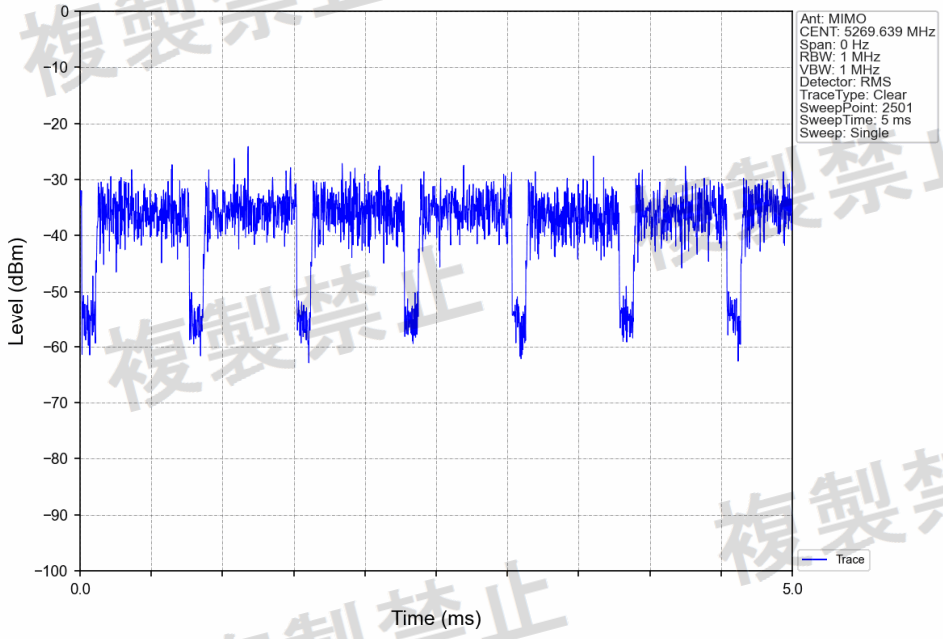
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



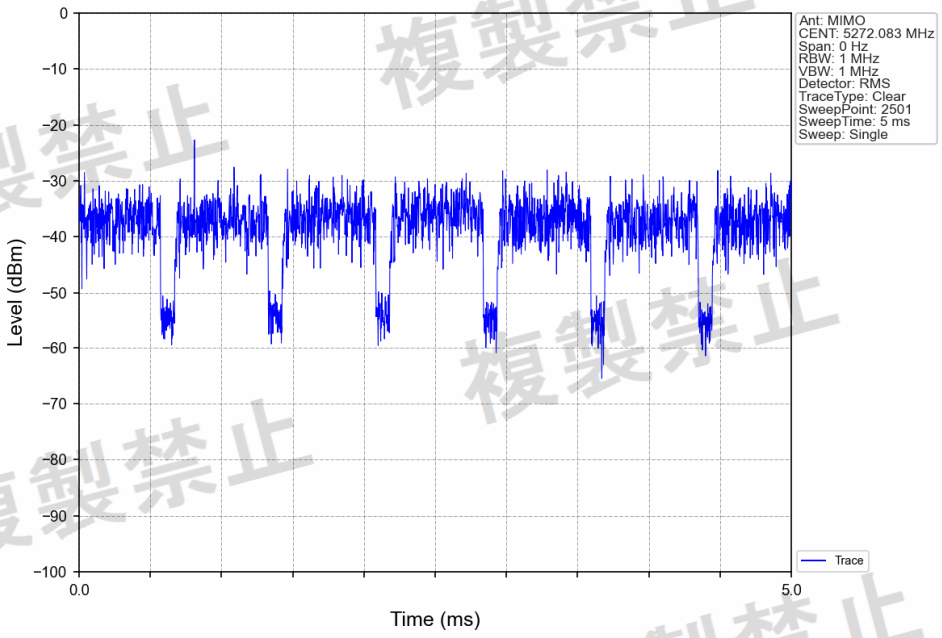
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



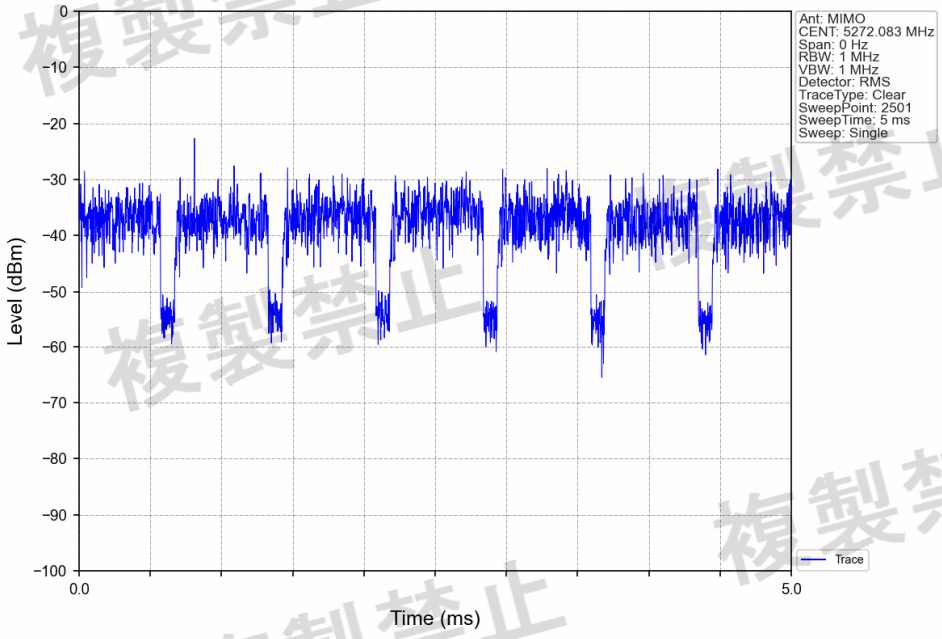
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



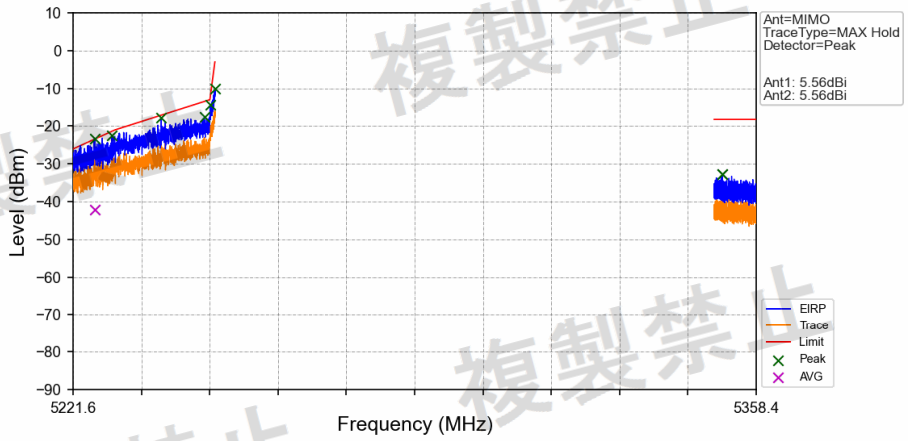
802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV

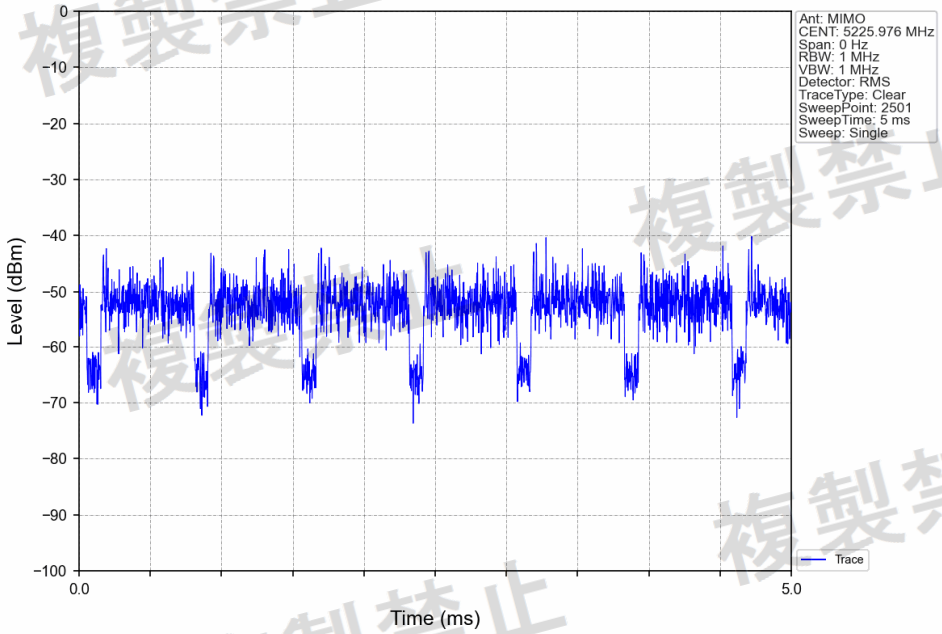


802.11ac(VHT40)_LCH_5270MHz_MIMO_NTNV

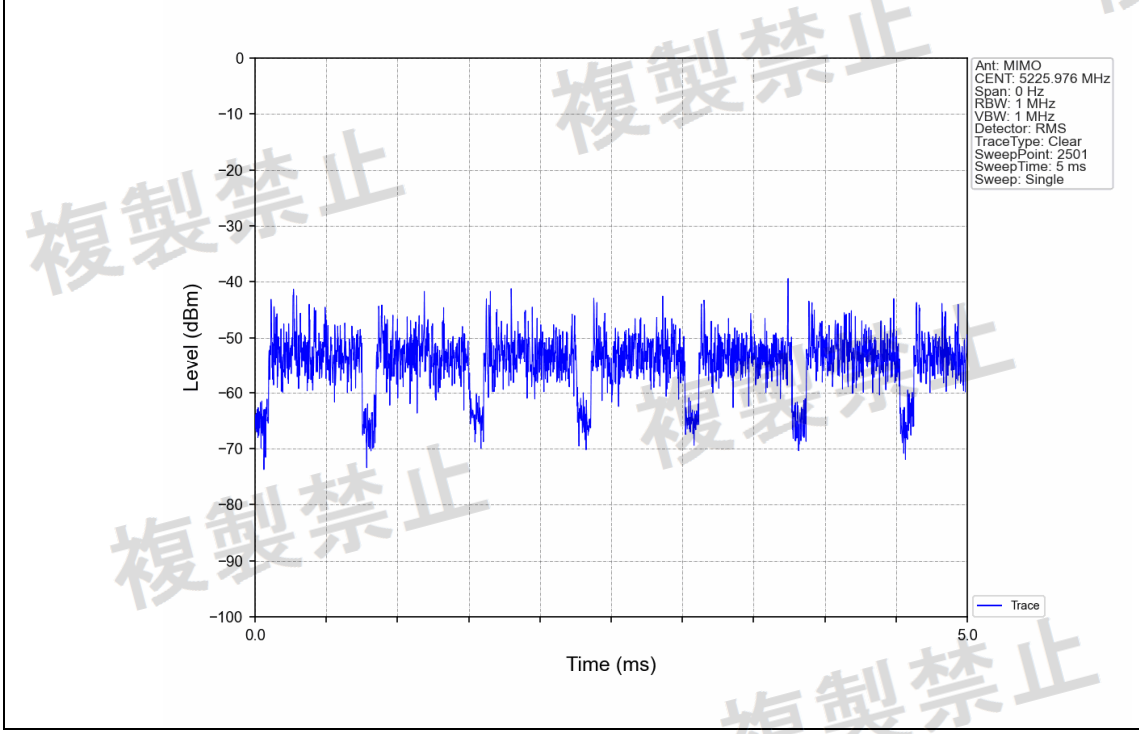


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5225.976	-28.88	-47.62	MIMO	-23.32	-42.06	-23.42	Pass
5221.6	5230	1	1	5229.362	-28.00	/	MIMO	-22.43	/	-21.39	Pass
5230	5249	1	1	5239.253	-23.37	/	MIMO	-17.81	/	-17.11	Pass
5230	5249	1	1	5247.898	-23.03	/	MIMO	-17.46	/	-13.47	Pass
5249	5250	1	1	5249.030	-19.90	/	MIMO	-14.35	/	-12.71	Pass
5249	5250	1	1	5249.996	-15.64	/	MIMO	-10.07	/	-3.05	Pass
5350	5358.4	1	1	5351.613	-38.32	/	MIMO	-32.76	/	-18.24	Pass
5350	5358.4	1	1	5351.613	-38.32	/	MIMO	-32.76	/	-18.24	Pass

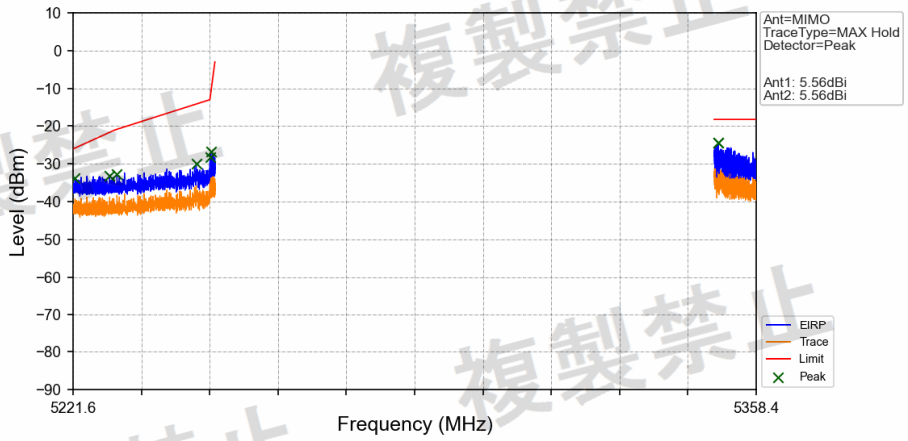
802.11ac(VHT40)_LCH_5270MHz_MIMO_NTNV



802.11ac(VHT40)_LCH_5270MHz_MIMO_NTNV

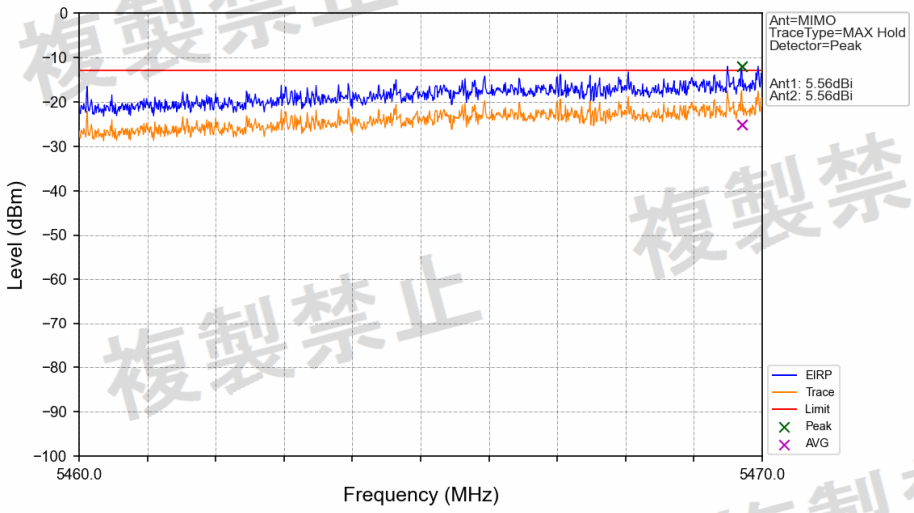


802.11ac(VHT40)_HCH_5310MHz_MIMO_NTNV



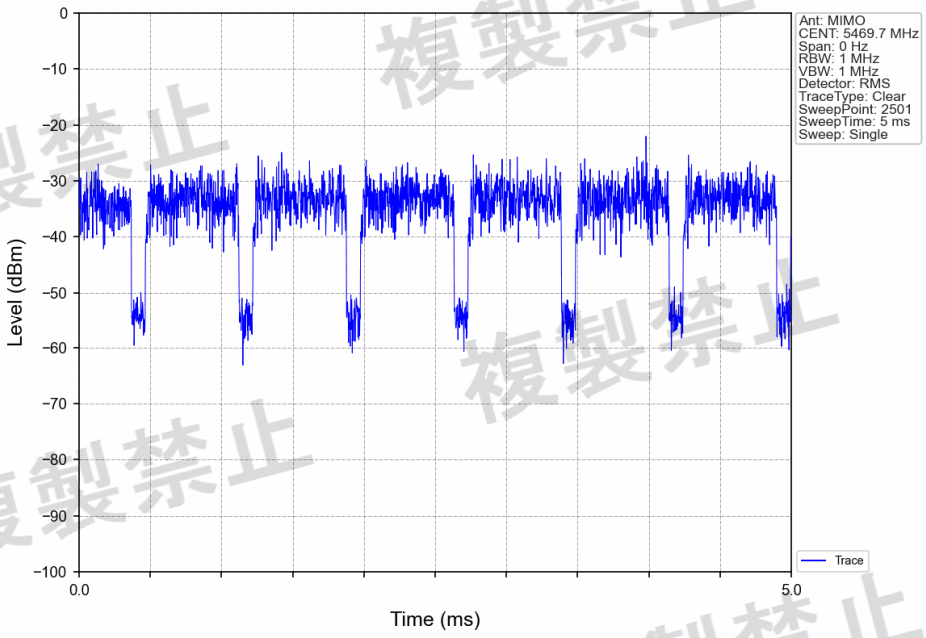
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5221.995	-39.26	/	MIMO	-33.70	/	-25.81	Pass
5221.6	5230	1	1	5228.933	-38.80	/	MIMO	-33.24	/	-21.65	Pass
5230	5249	1	1	5230.399	-38.28	/	MIMO	-32.72	/	-20.84	Pass
5230	5249	1	1	5246.264	-35.62	/	MIMO	-30.06	/	-14.16	Pass
5249	5250	1	1	5249.052	-33.79	/	MIMO	-28.23	/	-12.49	Pass
5249	5250	1	1	5249.200	-32.34	/	MIMO	-26.78	/	-11.01	Pass
5350	5358.4	1	1	5350.815	-29.98	/	MIMO	-24.42	/	-18.24	Pass
5350	5358.4	1	1	5350.815	-29.98	/	MIMO	-24.42	/	-18.24	Pass

802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV

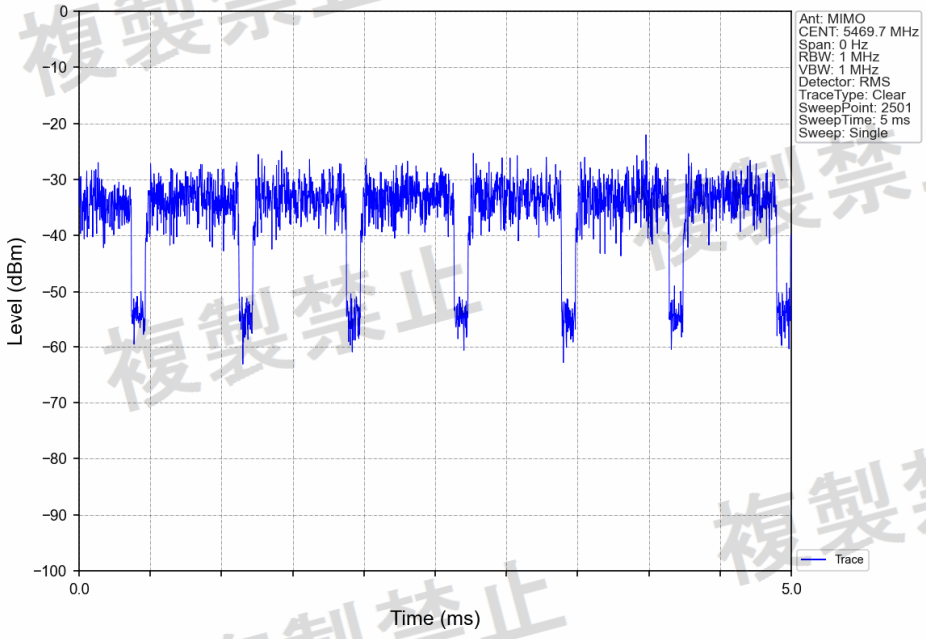


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5469.700	-17.49	-30.75	MIMO	-11.93	-25.19	-13.01	Pass
5460	5470	1	1	5469.700	-17.49	-30.75	MIMO	-11.93	-25.19	-13.01	Pass

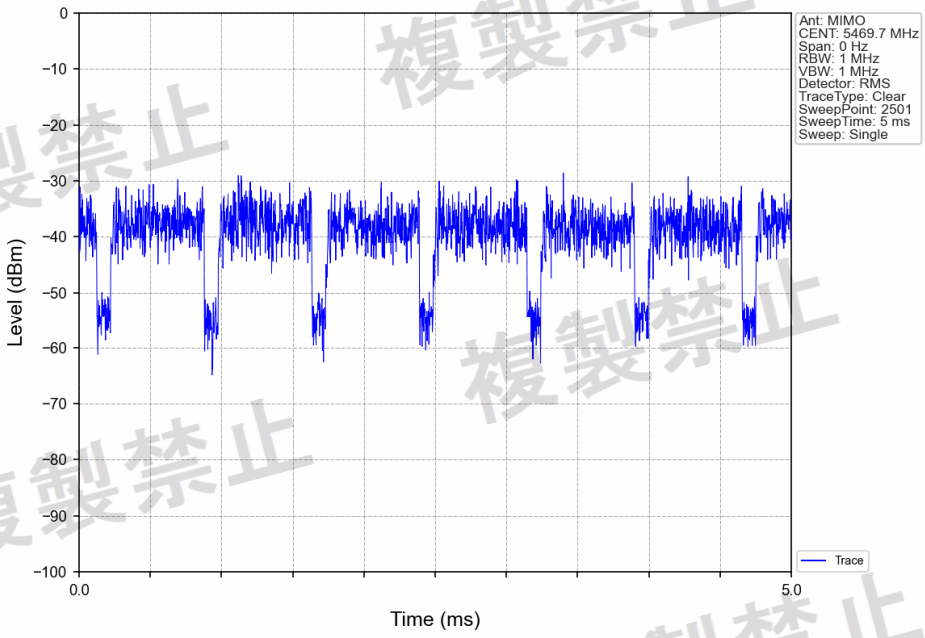
802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV



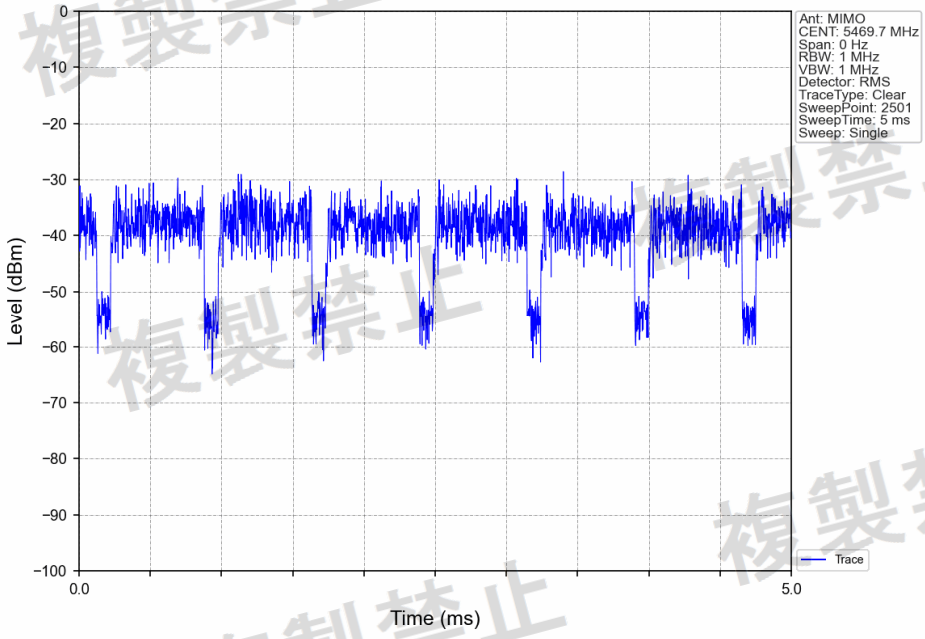
802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV



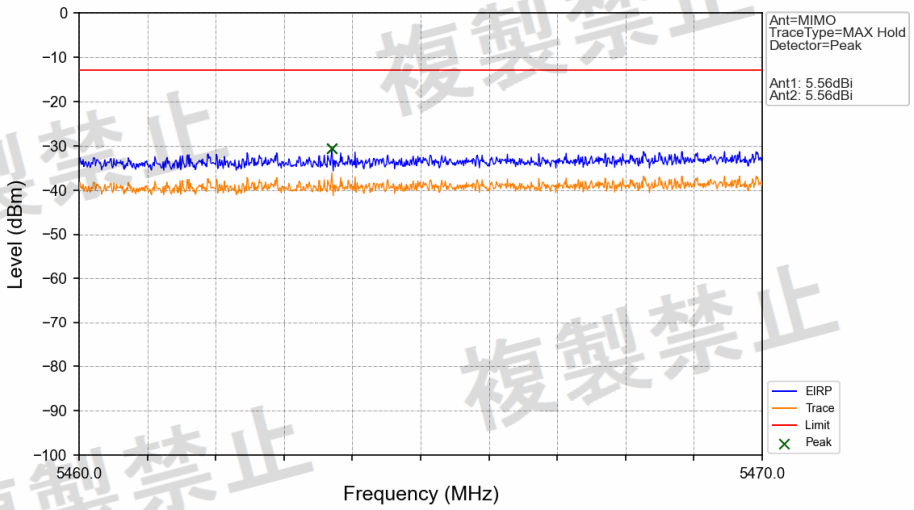
802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV



802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV

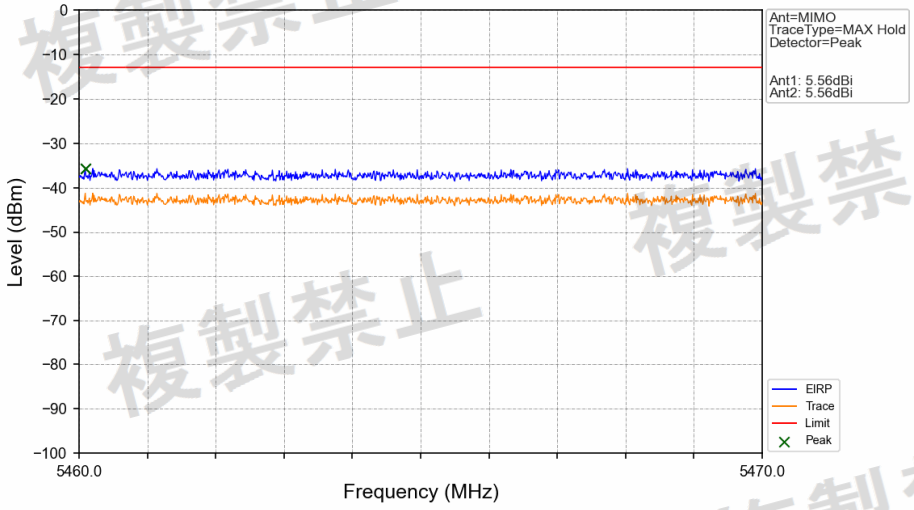


802.11ac(VHT40)_MCH_5590MHz_MIMO_NTNV



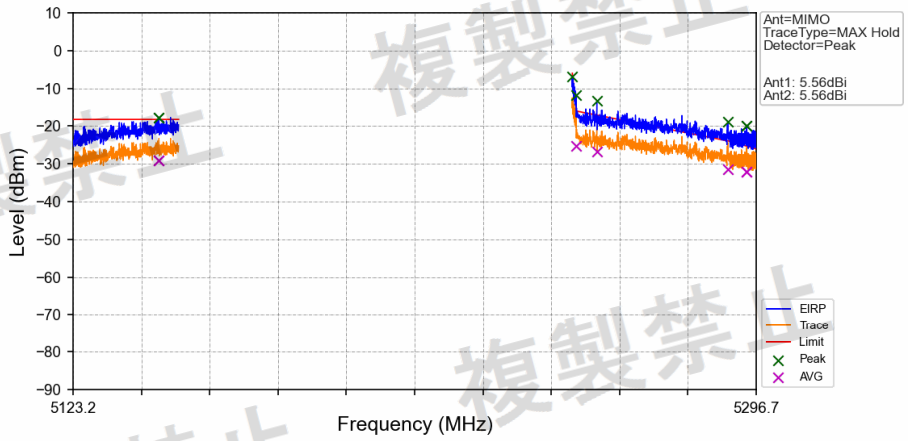
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5463.700	-36.12	/	MIMO	-30.56	/	-13.01	Pass
5460	5470	1	1	5463.700	-36.12	/	MIMO	-30.56	/	-13.01	Pass

802.11ac(VHT40)_HCH_5670MHz_MIMO_NTNV



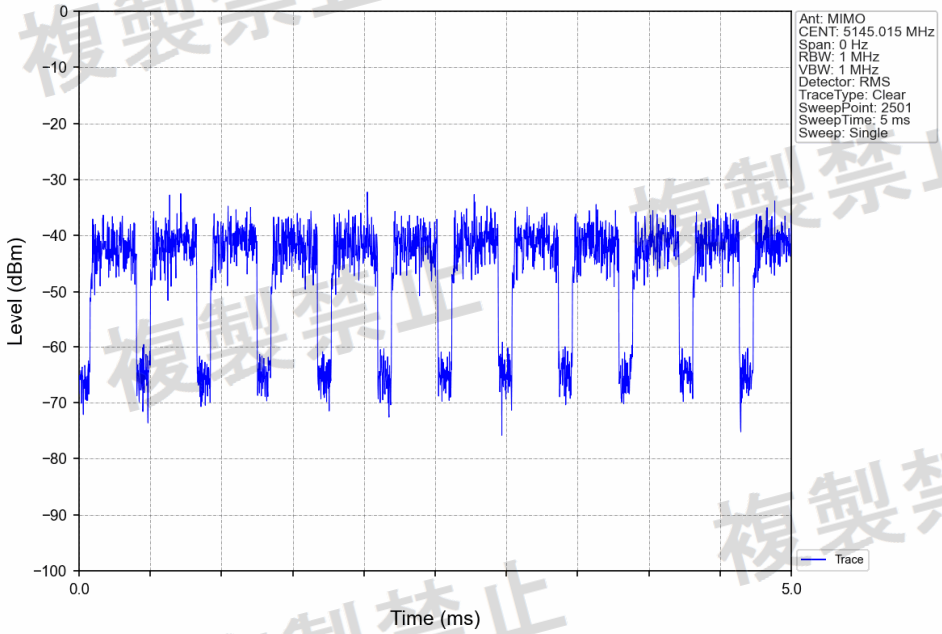
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5460.090	-41.25	/	MIMO	-35.69	/	-13.01	Pass
5460	5470	1	1	5460.090	-41.25	/	MIMO	-35.69	/	-13.01	Pass

802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV

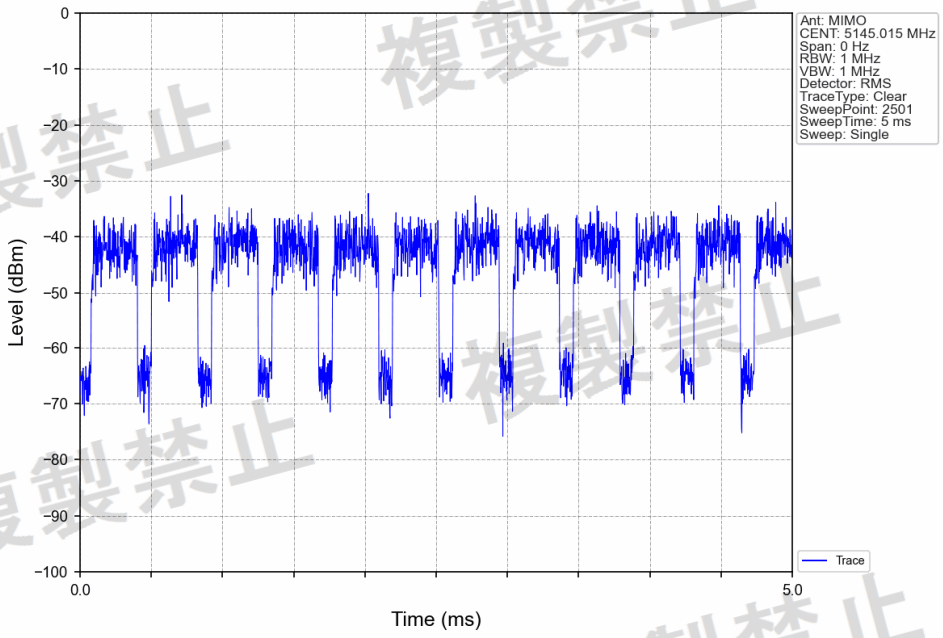


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5123.2	5150	1	1	5145.015	-23.26	-34.68	MIMO	-17.69	-29.12	-18.24	Pass
5123.2	5150	1	1	5145.015	-23.26	-34.68	MIMO	-17.69	-29.12	-18.24	Pass
5250	5251	1	1	5250.020	-12.49	/	MIMO	-6.93	/	-6.22	Pass
5250	5251	1	1	5250.990	-17.35	-30.91	MIMO	-11.79	-25.35	-15.92	Pass
5251	5290	1	1	5256.226	-18.92	-32.38	MIMO	-13.37	-26.82	-17.09	Pass
5251	5290	1	1	5289.493	-24.35	-37.00	MIMO	-18.79	-31.44	-23.92	Pass
5290	5296.7	1	1	5294.322	-25.57	-37.66	MIMO	-20.01	-32.10	-25.32	Pass
5290	5296.7	1	1	5294.322	-25.57	-37.66	MIMO	-20.01	-32.10	-25.32	Pass

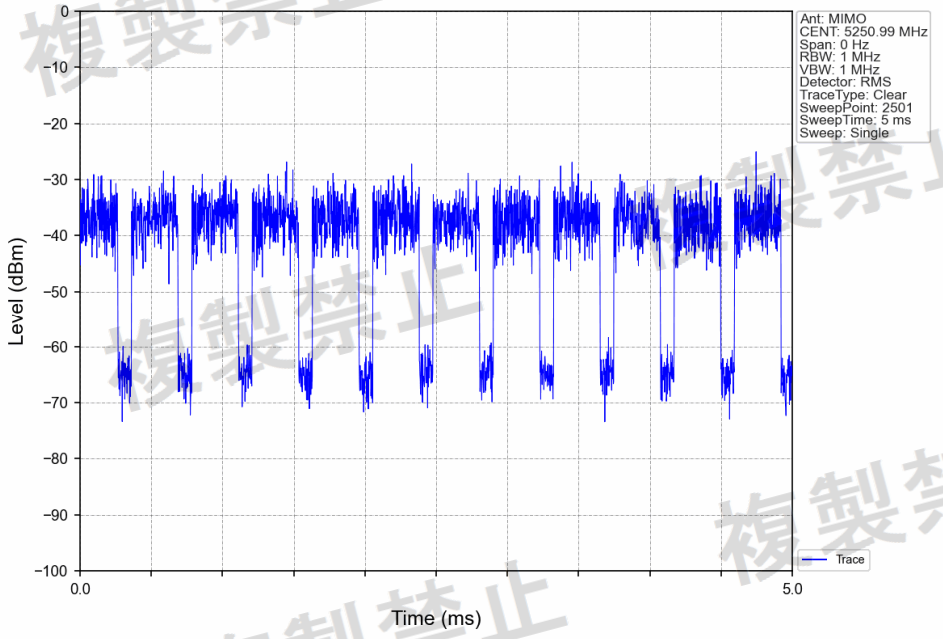
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



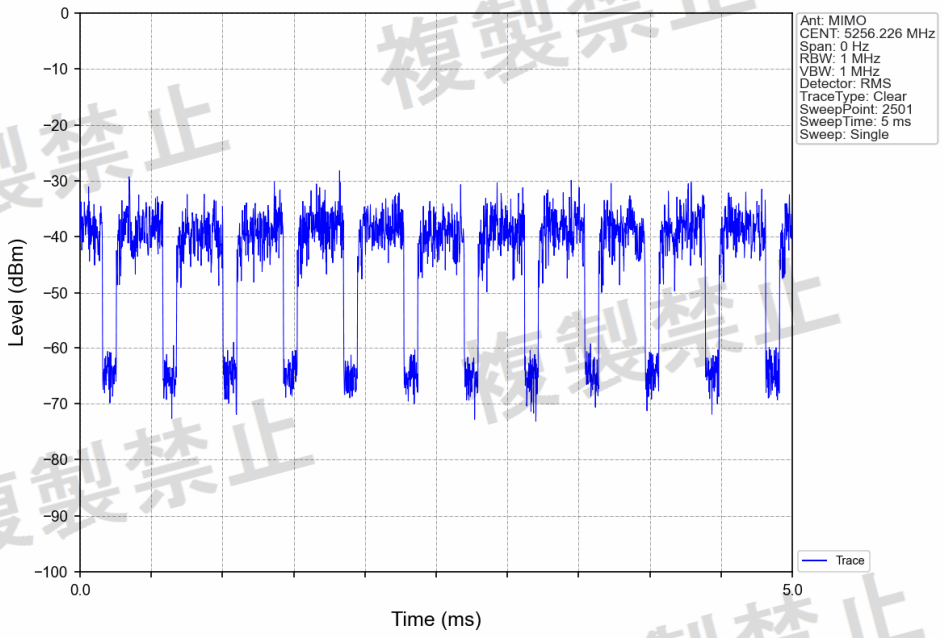
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



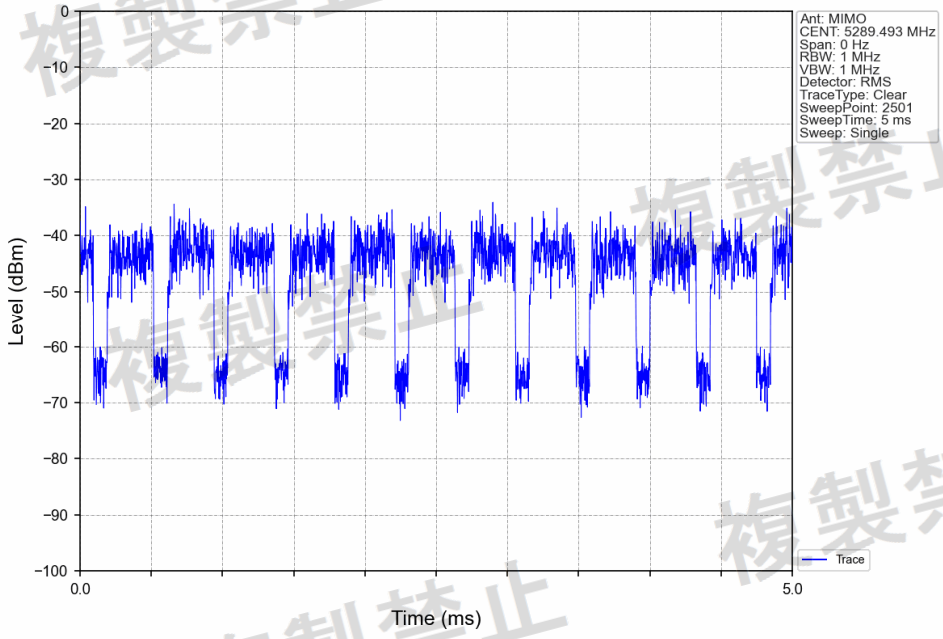
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



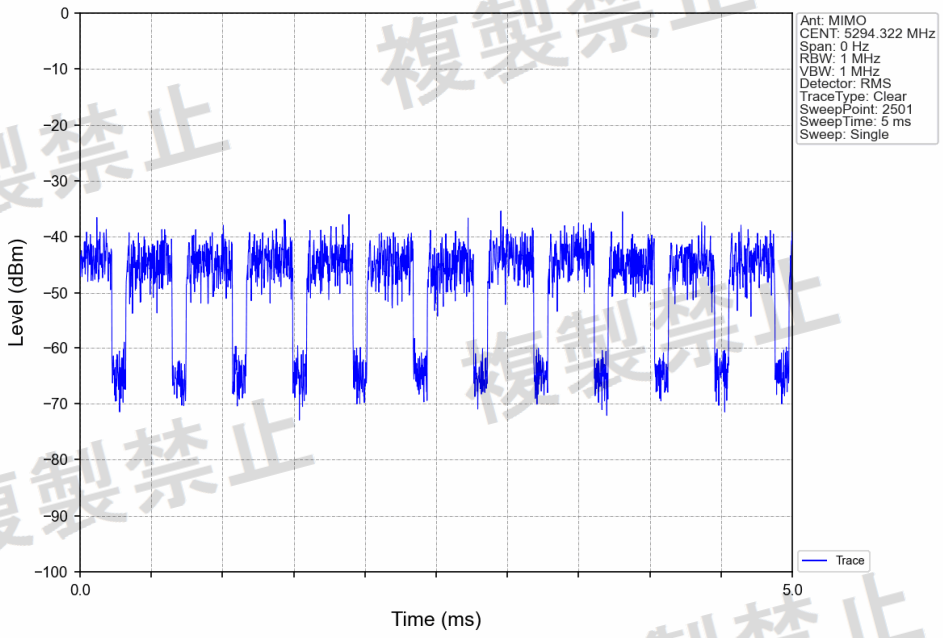
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



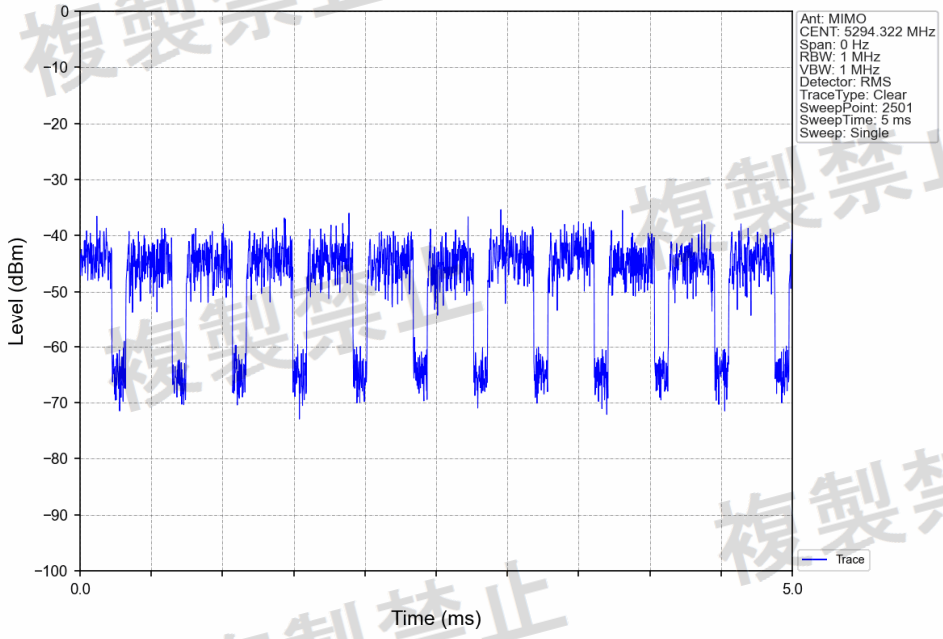
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



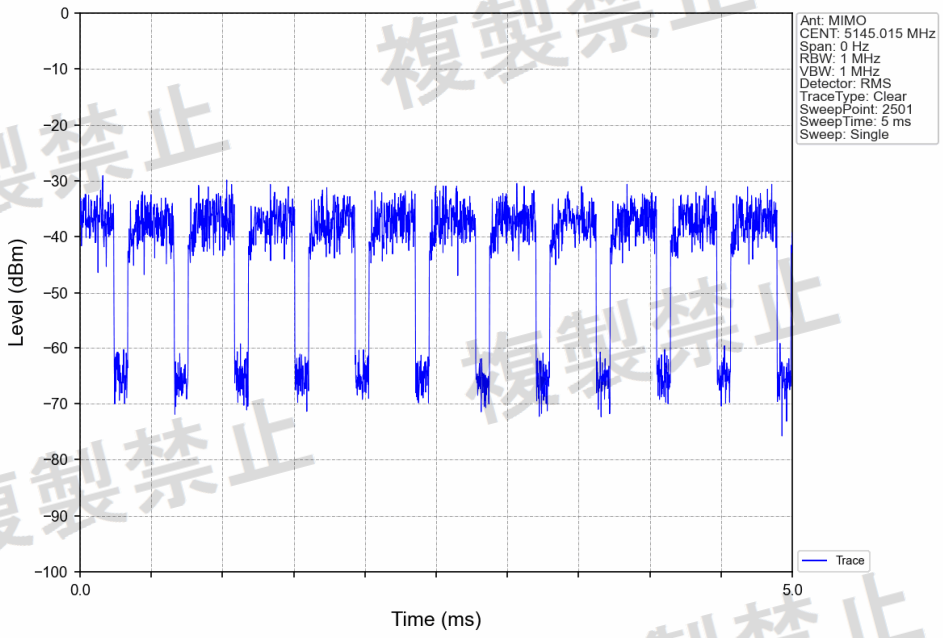
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



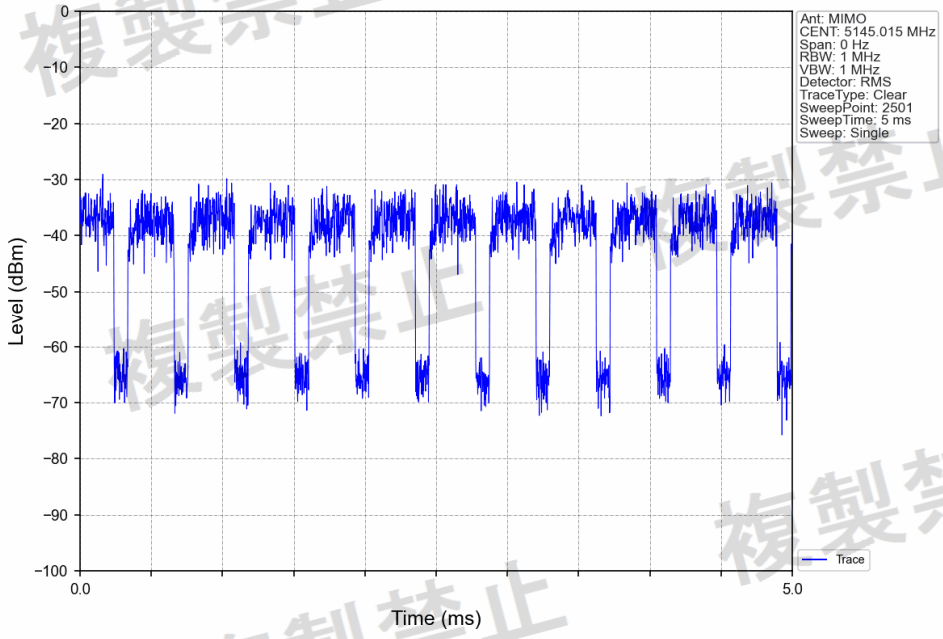
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



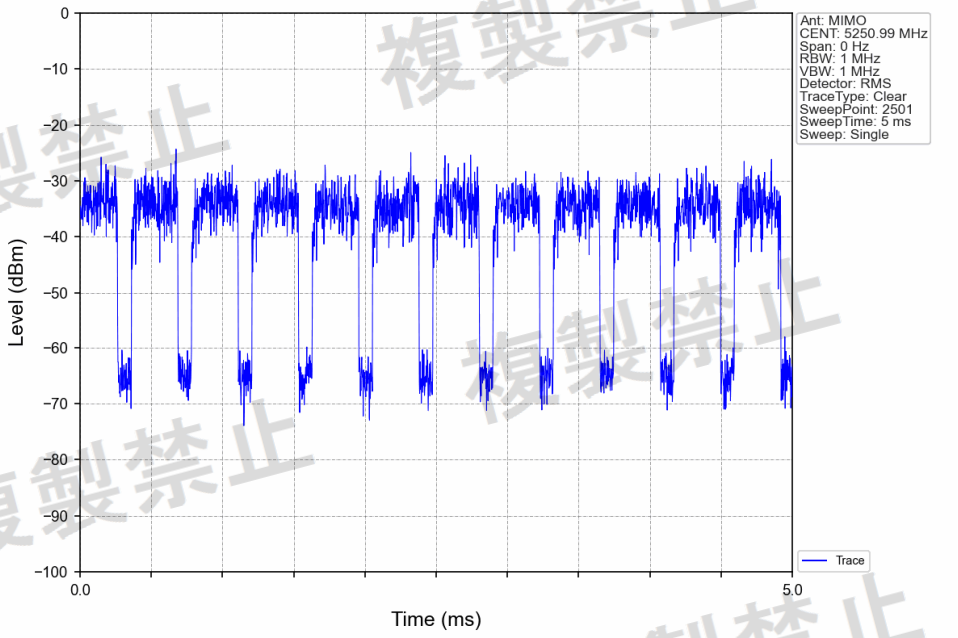
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



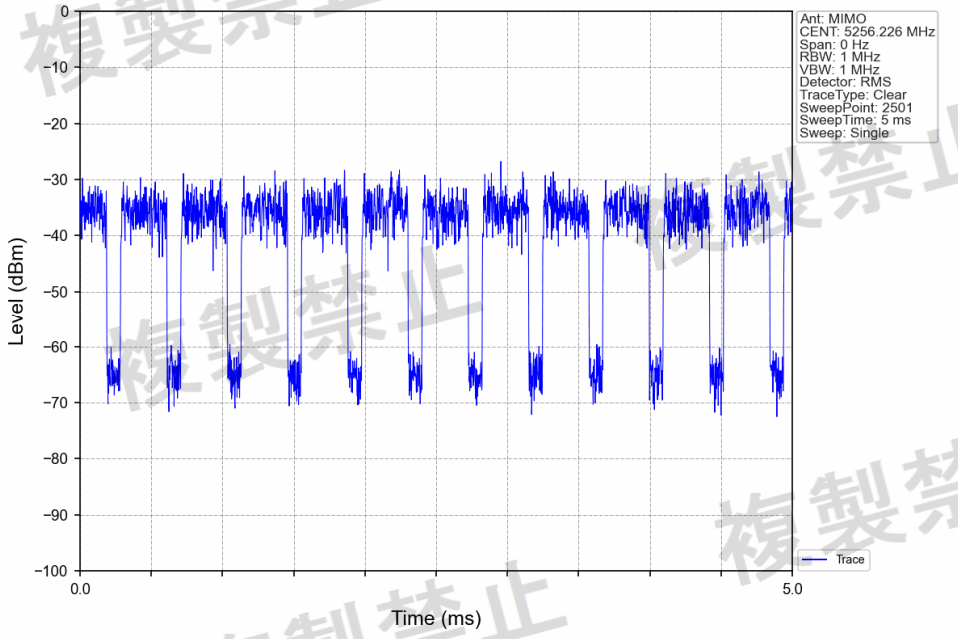
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



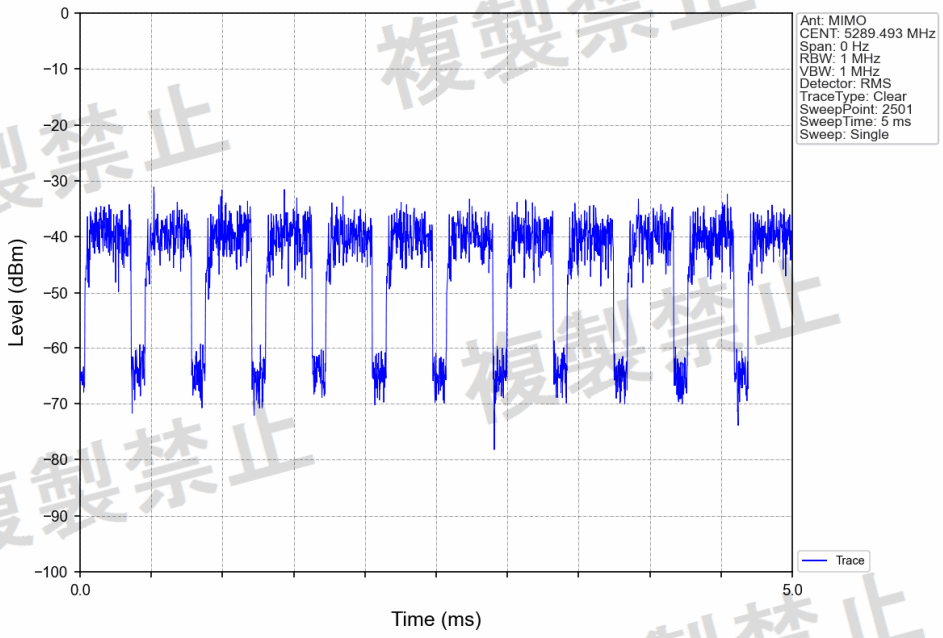
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



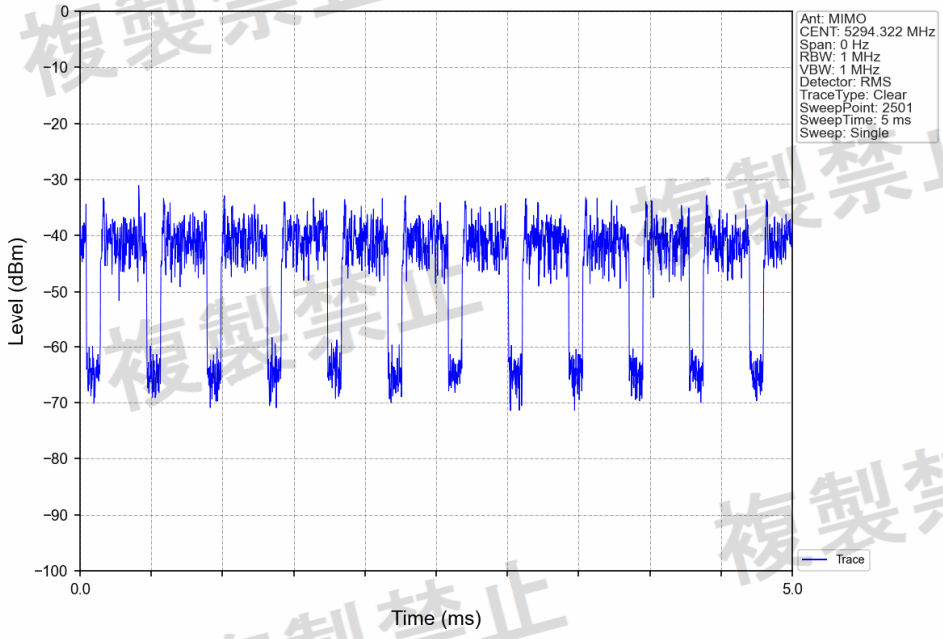
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



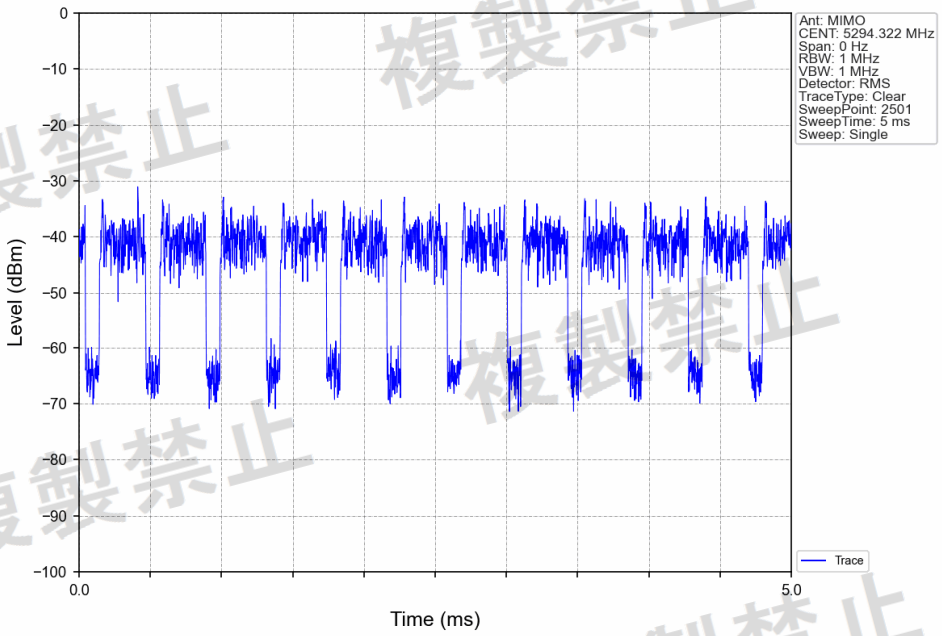
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



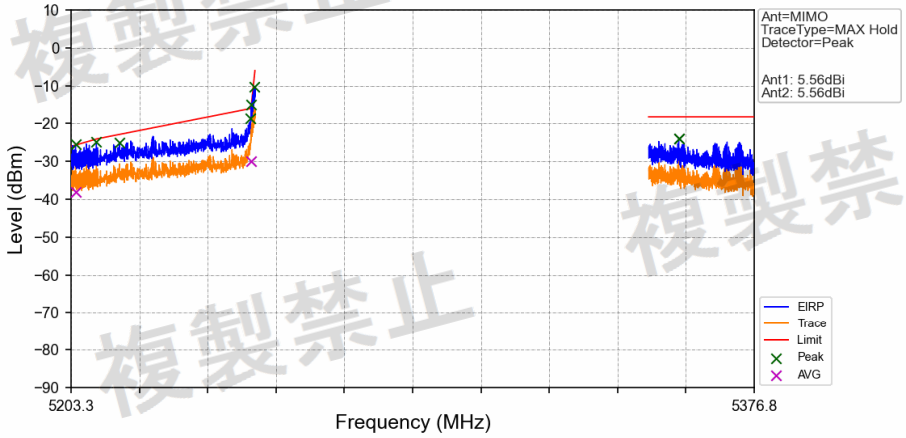
802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV

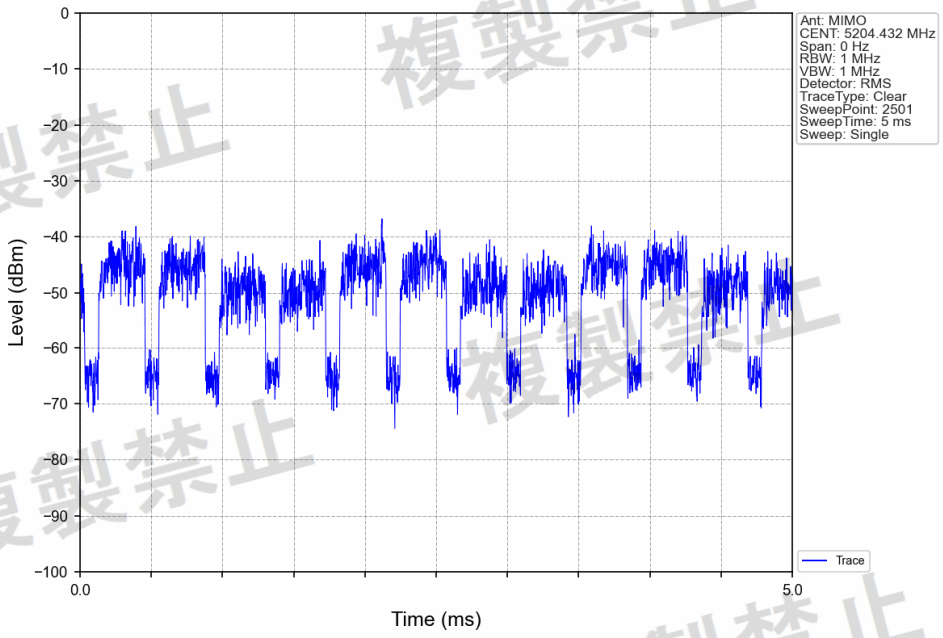


802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV

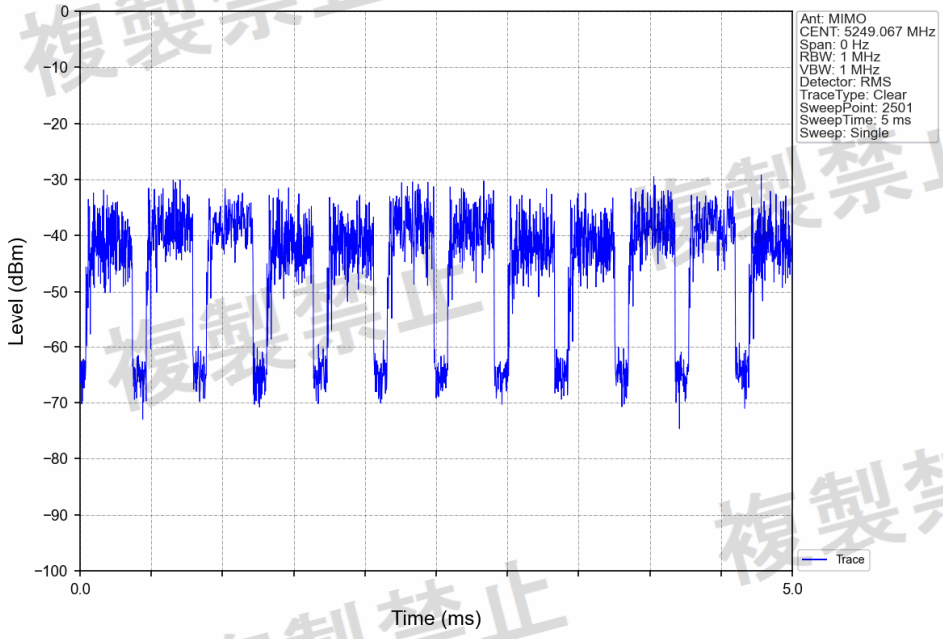


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5203.3	5210	1	1	5204.432	-30.98	-43.69	MIMO	-25.42	-38.13	-25.69	Pass
5203.3	5210	1	1	5209.732	-30.44	/	MIMO	-24.88	/	-24.1	Pass
5210	5249	1	1	5215.616	-30.62	/	MIMO	-25.06	/	-22.87	Pass
5210	5249	1	1	5248.922	-24.23	/	MIMO	-18.67	/	-16.04	Pass
5249	5250	1	1	5249.067	-20.51	-35.62	MIMO	-14.95	-30.06	-15.35	Pass
5249	5250	1	1	5249.899	-15.89	/	MIMO	-10.33	/	-7.03	Pass
5350	5376.8	1	1	5357.638	-29.51	/	MIMO	-23.95	/	-18.24	Pass
5350	5376.8	1	1	5357.638	-29.51	/	MIMO	-23.95	/	-18.24	Pass

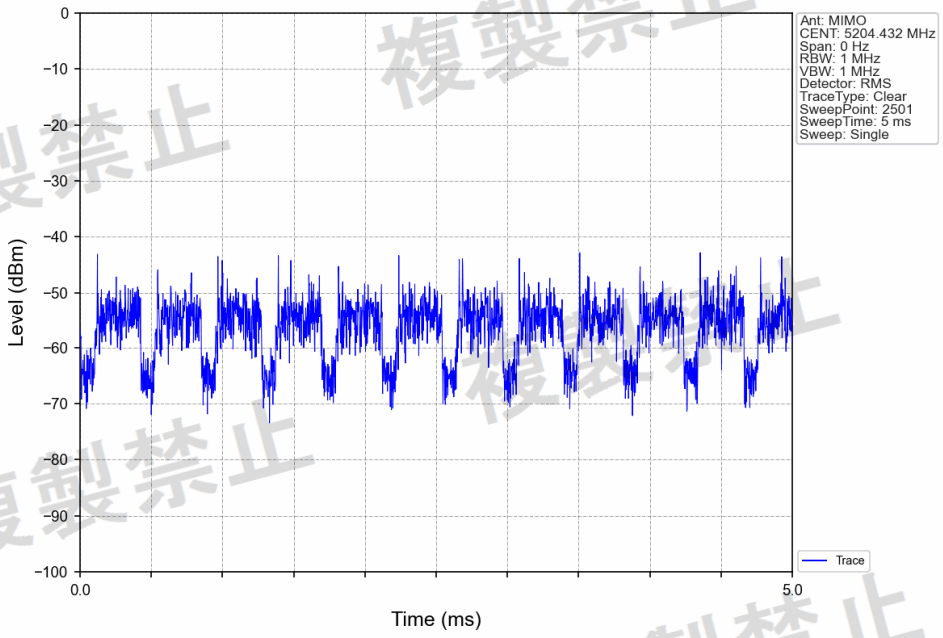
802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV



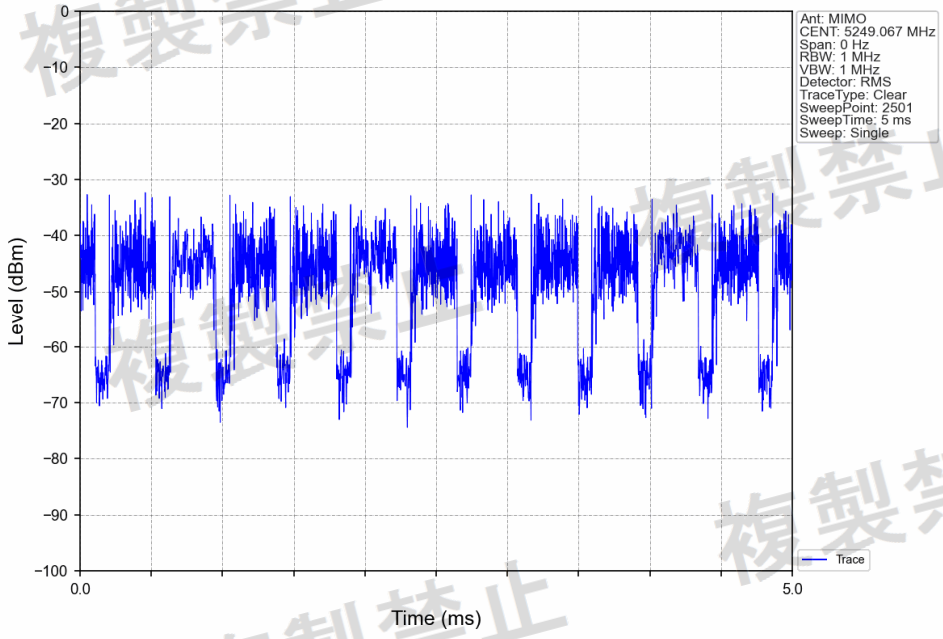
802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV



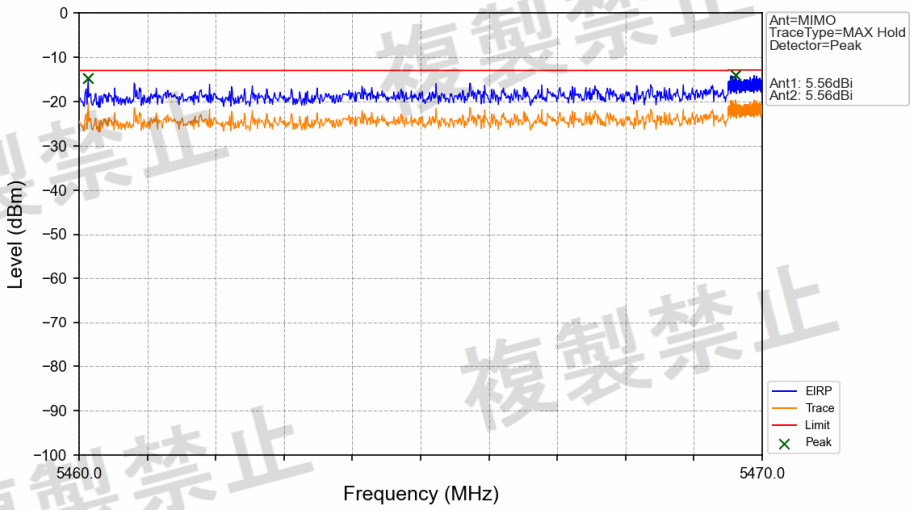
802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV



802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV

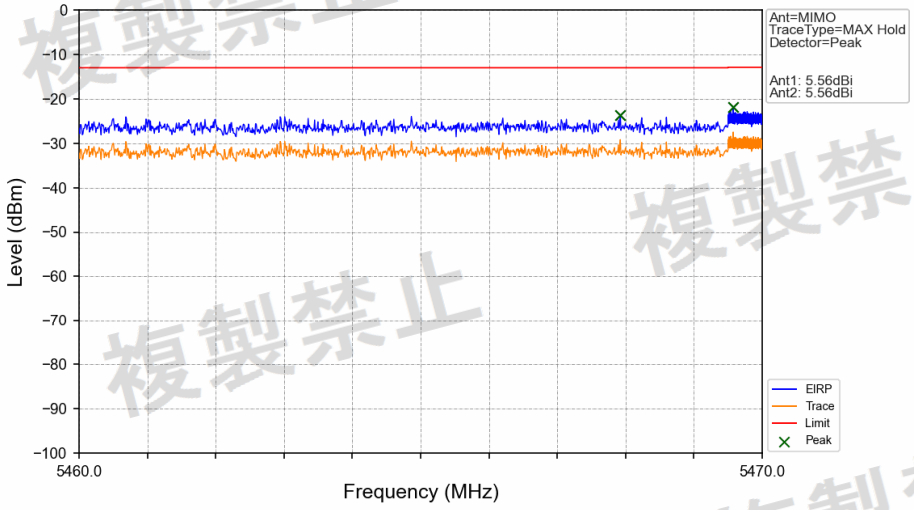


802.11ac(VHT80)_LCH_5530MHz_MIMO_NTNV



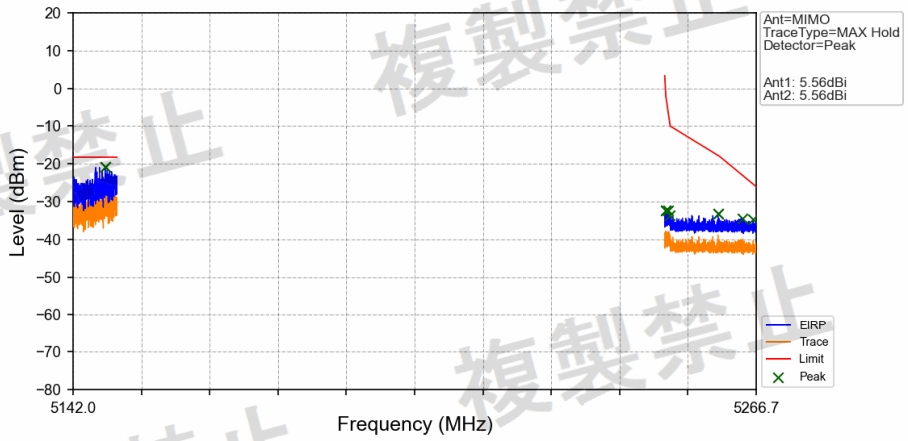
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5469.5	1	1	5460.133	-20.22	/	MIMO	-14.67	/	-13.01	Pass
5460	5469.5	1	1	5460.133	-20.22	/	MIMO	-14.67	/	-13.01	Pass
5469.5	5470	1	1	5469.610	-19.65	/	MIMO	-14.09	/	-12.91	Pass
5469.5	5470	1	1	5469.610	-19.65	/	MIMO	-14.09	/	-12.91	Pass

802.11ac(VHT80)_HCH_5610MHz_MIMO_NTNV



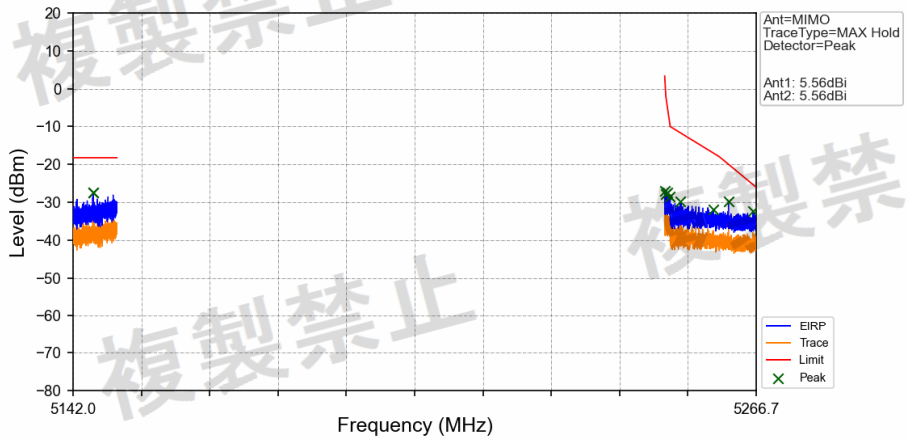
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5469.5	1	1	5467.923	-29.19	/	MIMO	-23.63	/	-13.01	Pass
5460	5469.5	1	1	5467.923	-29.19	/	MIMO	-23.63	/	-13.01	Pass
5469.5	5470	1	1	5469.576	-27.49	/	MIMO	-21.94	/	-12.91	Pass
5469.5	5470	1	1	5469.576	-27.49	/	MIMO	-21.94	/	-12.91	Pass

802.11ax(HEW20)_LCH_5180MHz_SU_ / _MIMO_NTNV



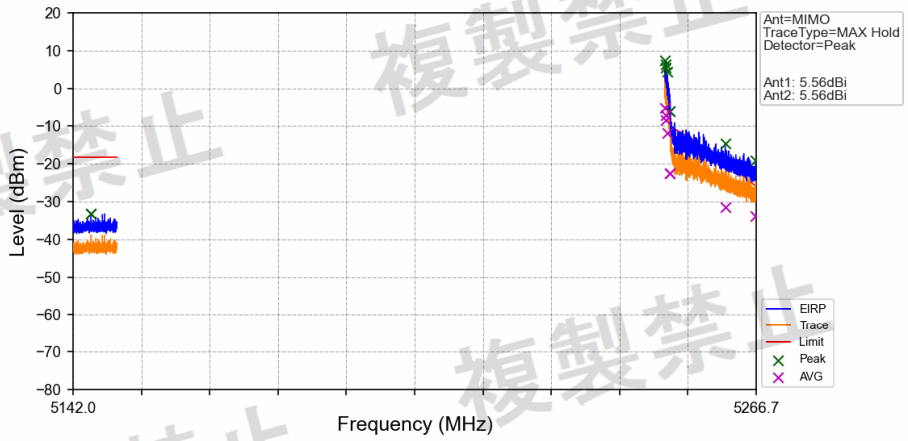
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.864	-26.37	/	MIMO	-20.81	/	-18.24	Pass
5142	5150	1	1	5147.864	-26.37	/	MIMO	-20.81	/	-18.24	Pass
5250	5250.2	1	1	5250.161	-37.82	/	MIMO	-32.26	/	-0.96	Pass
5250	5250.2	1	1	5250.169	-37.85	/	MIMO	-32.29	/	-1.17	Pass
5250.2	5251	1	1	5250.598	-37.91	/	MIMO	-32.34	/	-5.98	Pass
5250.2	5251	1	1	5250.998	-39.19	/	MIMO	-33.63	/	-9.98	Pass
5251	5260	1	1	5259.721	-38.79	/	MIMO	-33.23	/	-17.75	Pass
5251	5260	1	1	5259.721	-38.79	/	MIMO	-33.23	/	-17.75	Pass
5260	5266.7	1	1	5264.201	-39.97	/	MIMO	-34.41	/	-23.04	Pass
5260	5266.7	1	1	5266.151	-40.35	/	MIMO	-34.79	/	-25.38	Pass

802.11ax(HEW20)_MCH_5200MHz_SU_ / _MIMO_NTNV



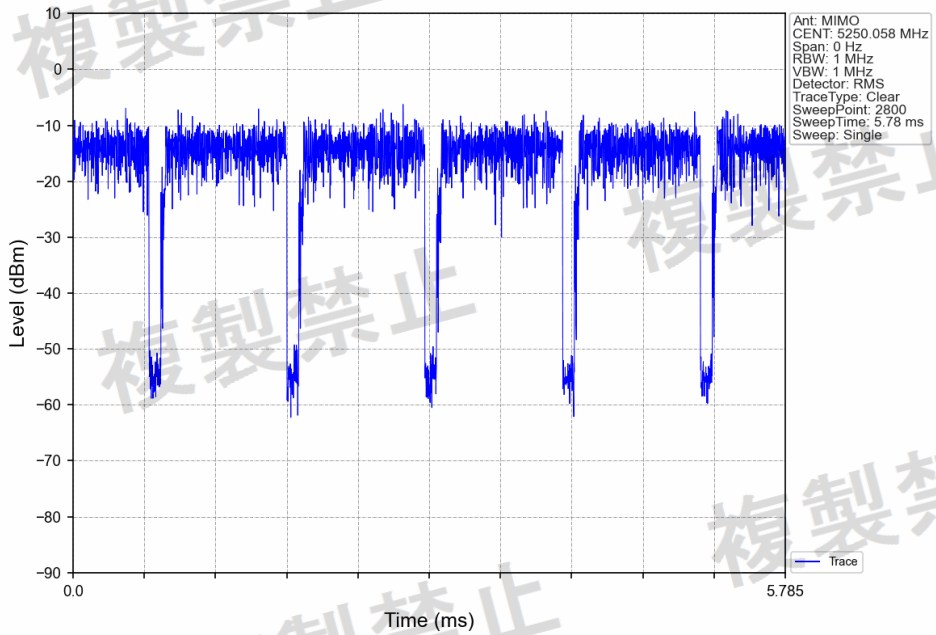
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5145.688	-32.94	/	MIMO	-27.38	/	-18.24	Pass
5142	5150	1	1	5145.688	-32.94	/	MIMO	-27.38	/	-18.24	Pass
5250	5250.2	1	1	5250.084	-32.65	/	MIMO	-27.09	/	1.09	Pass
5250	5250.2	1	1	5250.172	-33.50	/	MIMO	-27.94	/	-1.25	Pass
5250.2	5251	1	1	5250.498	-33.02	/	MIMO	-27.46	/	-4.98	Pass
5250.2	5251	1	1	5250.947	-33.96	/	MIMO	-28.40	/	-9.47	Pass
5251	5260	1	1	5252.854	-35.36	/	MIMO	-29.79	/	-11.65	Pass
5251	5260	1	1	5258.911	-37.43	/	MIMO	-31.86	/	-17.03	Pass
5260	5266.7	1	1	5261.635	-35.24	/	MIMO	-29.69	/	-19.96	Pass
5260	5266.7	1	1	5266.070	-38.00	/	MIMO	-32.44	/	-25.28	Pass

802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV

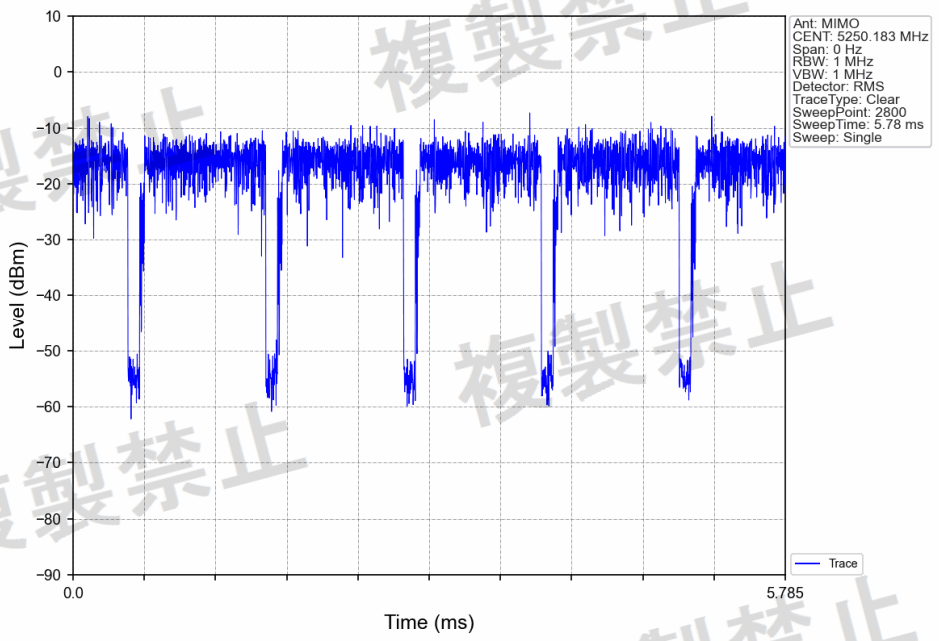


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5145.288	-38.75	/	MIMO	-33.19	/	-18.24	Pass
5142	5150	1	1	5145.288	-38.75	/	MIMO	-33.19	/	-18.24	Pass
5250	5250.2	1	1	5250.058	1.74	-10.71	MIMO	7.30	-5.15	1.79	Pass
5250	5250.2	1	1	5250.183	0.71	-12.73	MIMO	6.26	-7.17	-1.55	Pass
5250.2	5251	1	1	5250.244	-0.09	-13.96	MIMO	5.47	-8.40	-2.44	Pass
5250.2	5251	1	1	5250.413	-1.22	-17.45	MIMO	4.34	-11.89	-4.13	Pass
5251	5260	1	1	5251.000	-11.69	-27.99	MIMO	-6.12	-22.43	-10	Pass
5251	5260	1	1	5251.000	-11.69	-27.99	MIMO	-6.12	-22.43	-10	Pass
5260	5266.7	1	1	5261.032	-20.23	-37.01	MIMO	-14.67	-31.45	-19.24	Pass
5260	5266.7	1	1	5266.606	-24.66	-39.33	MIMO	-19.10	-33.77	-25.93	Pass

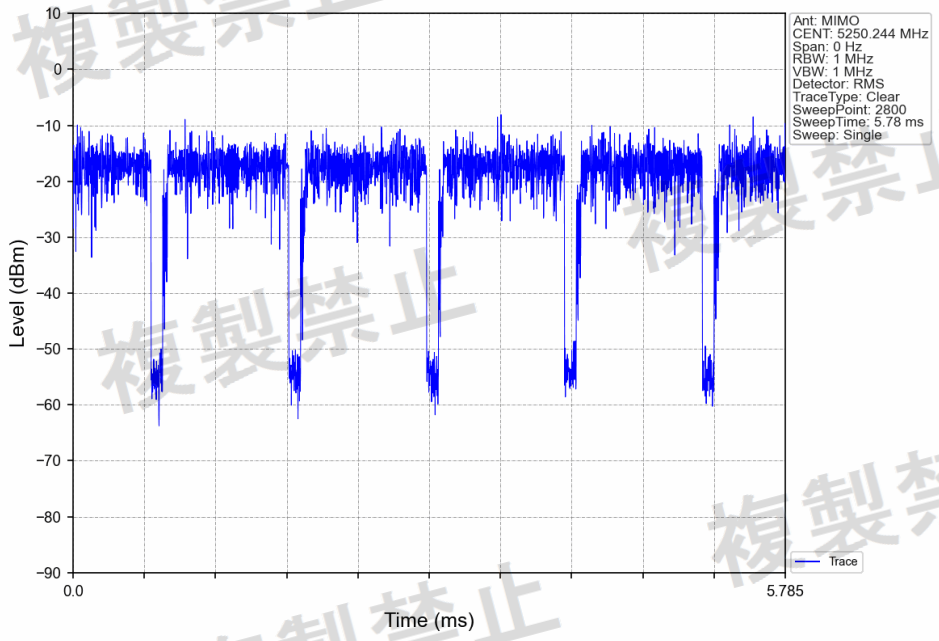
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



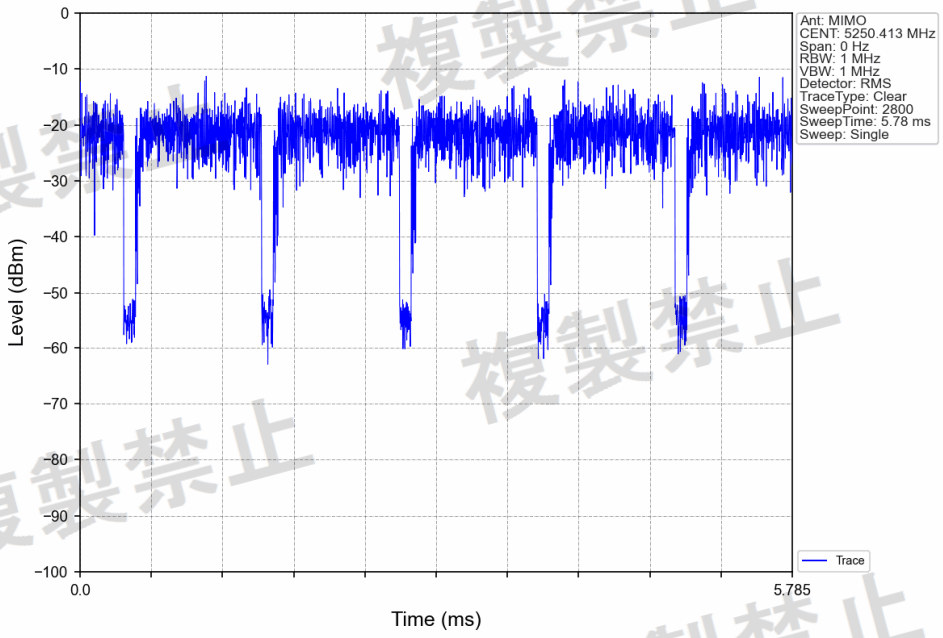
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



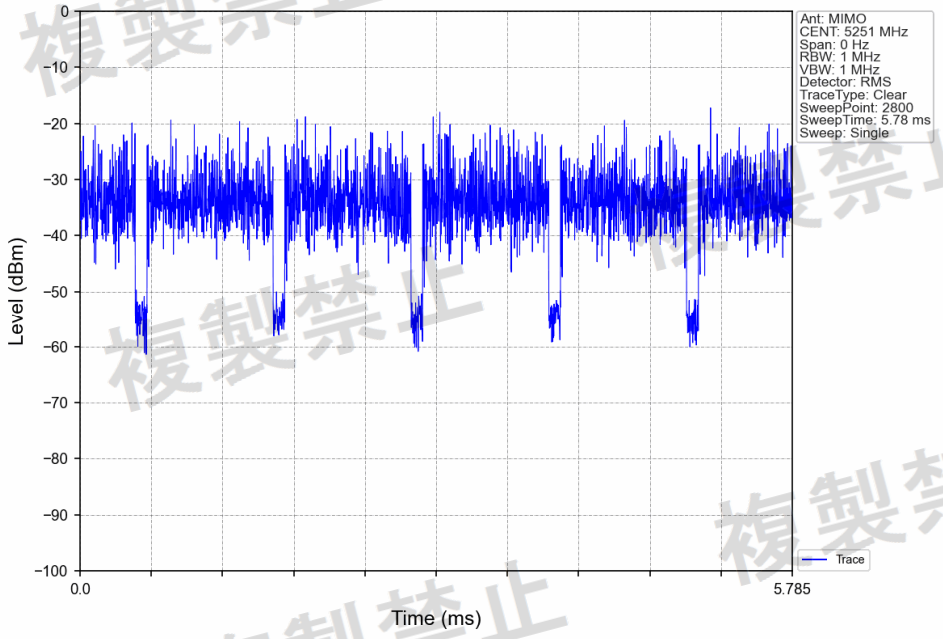
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



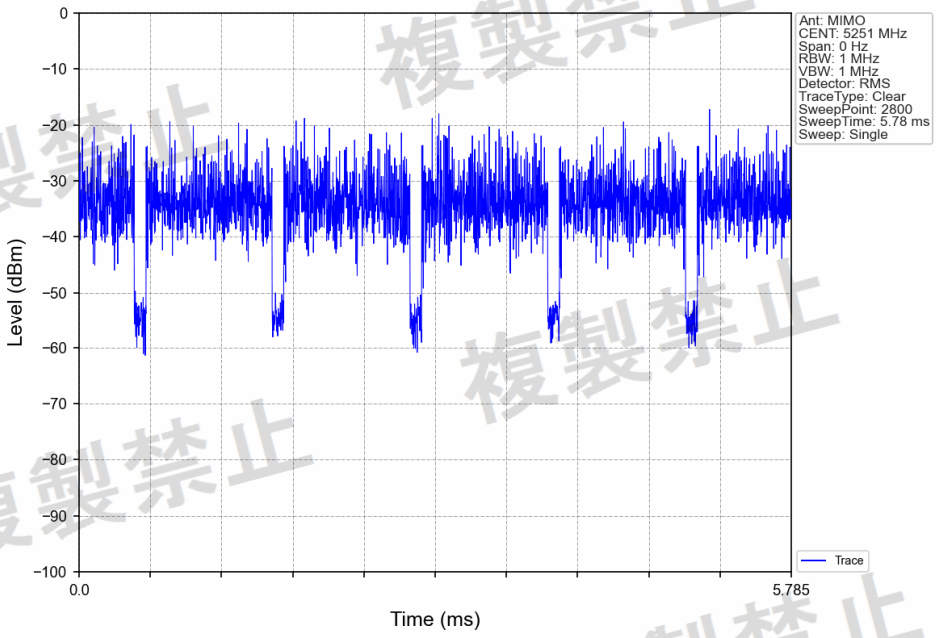
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



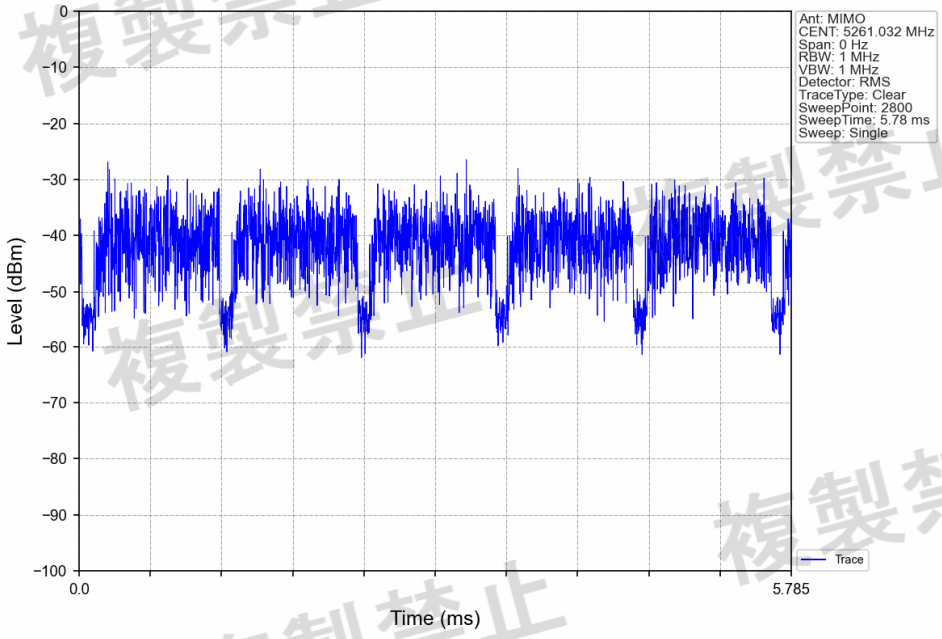
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



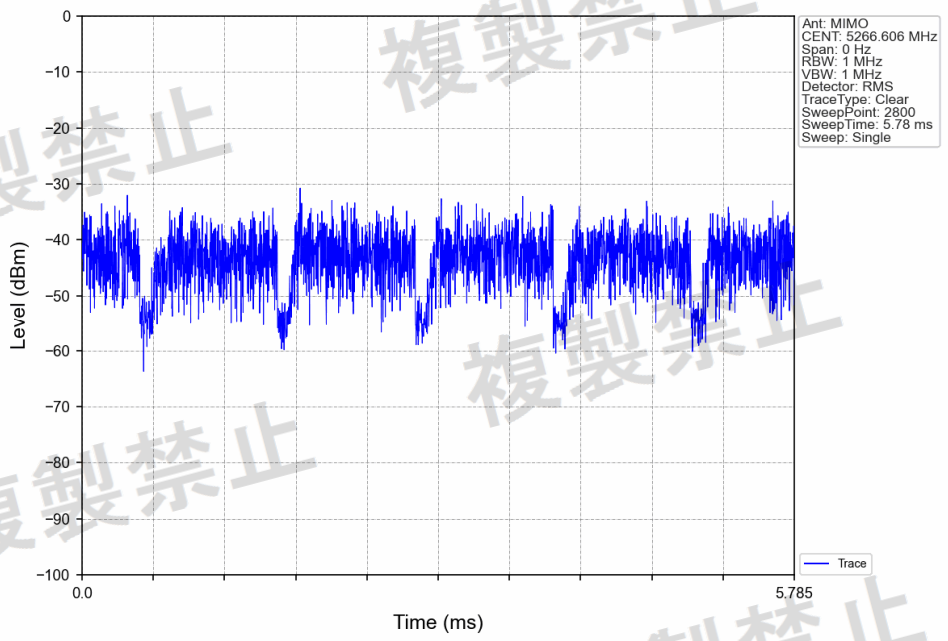
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



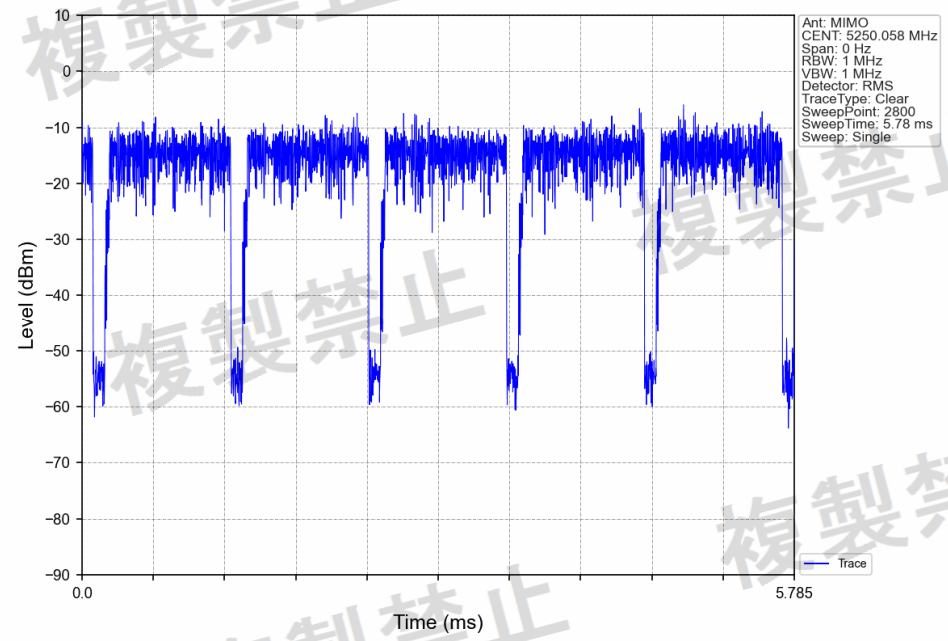
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



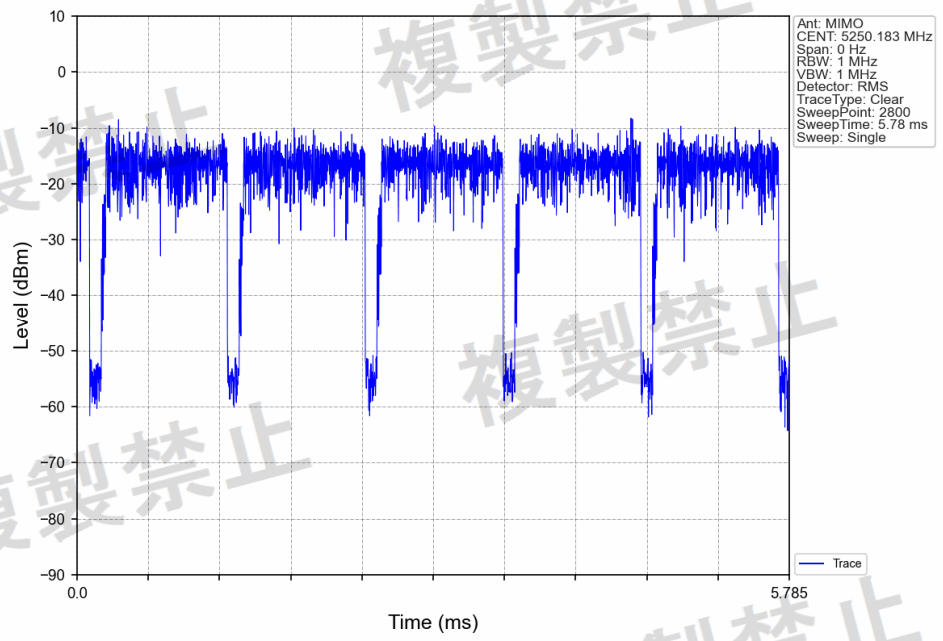
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



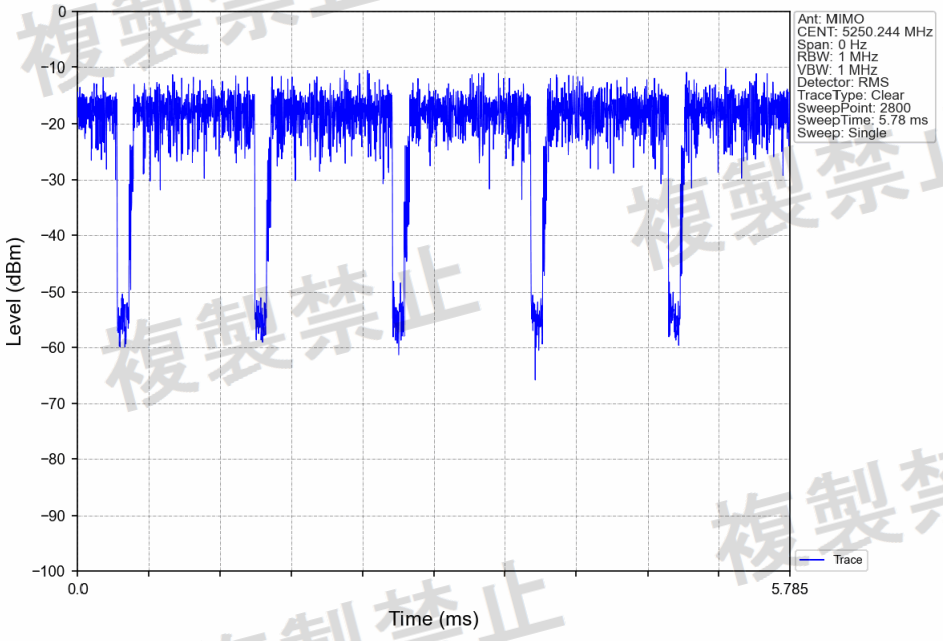
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



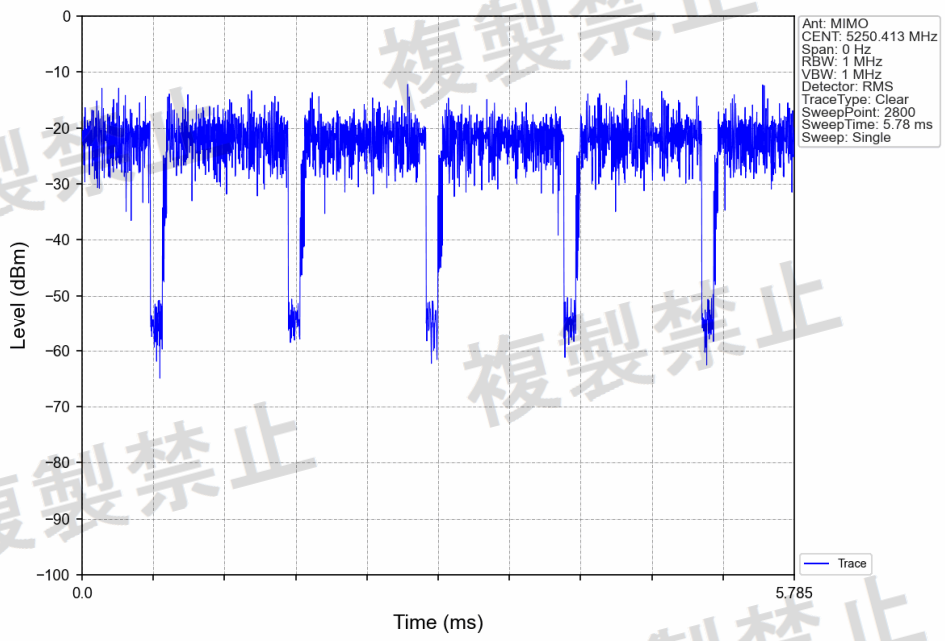
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



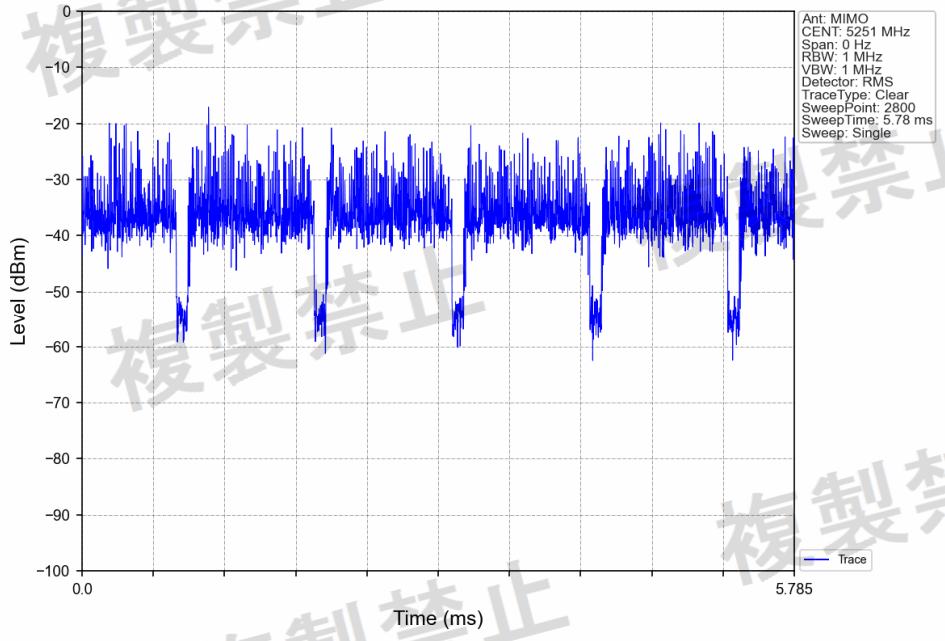
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



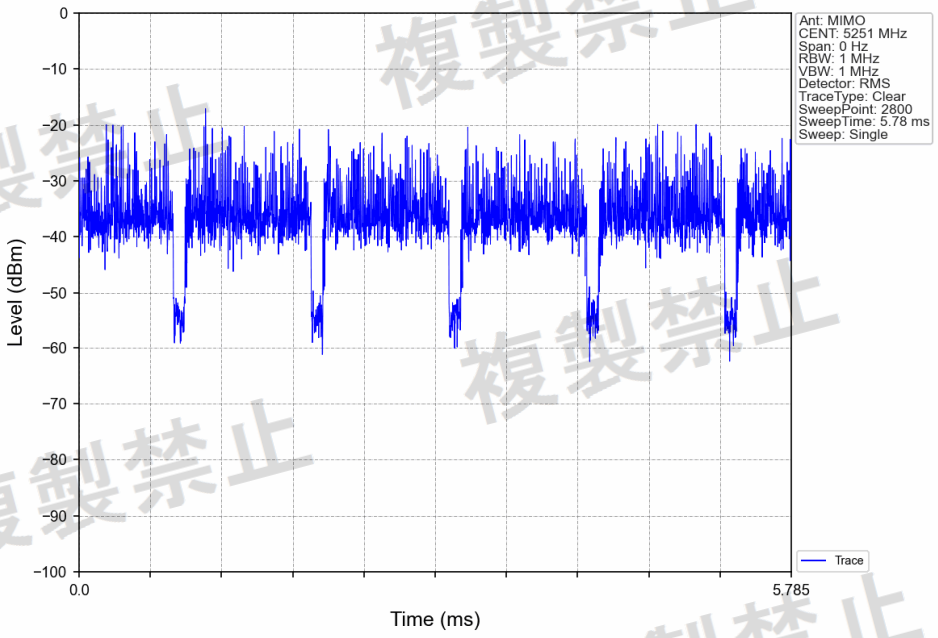
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



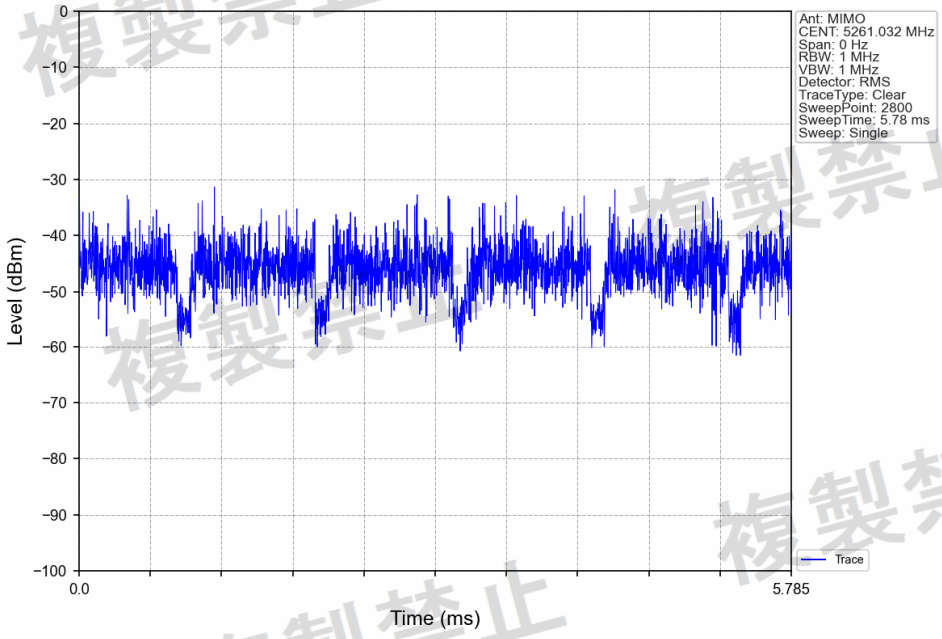
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



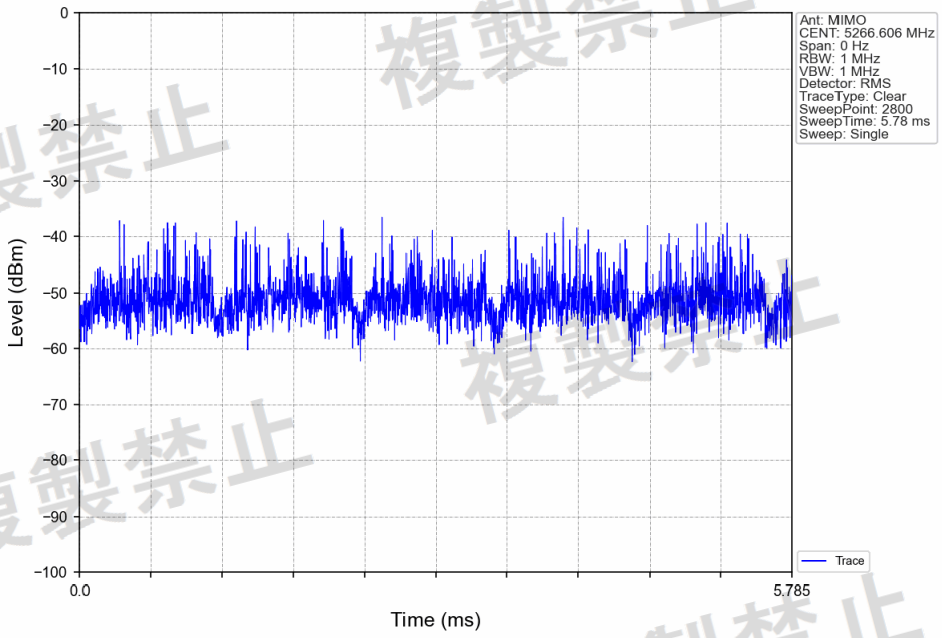
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



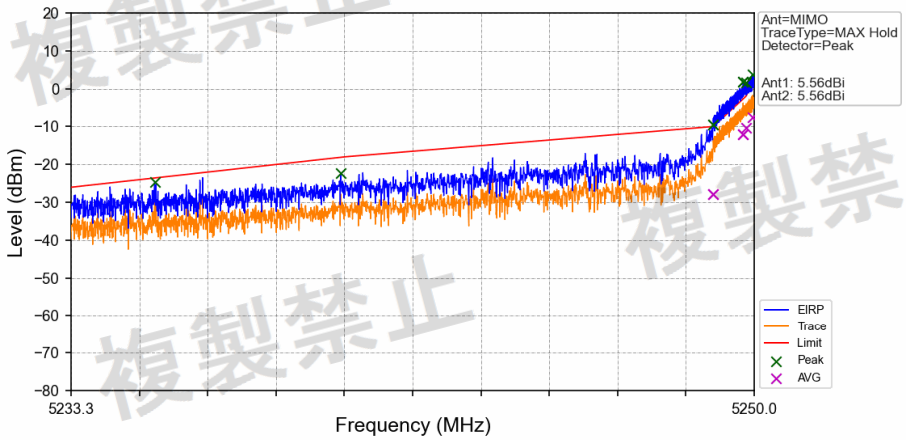
802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV



802.11ax(HEW20)_HCH_5240MHz_SU_ / _MIMO_NTNV

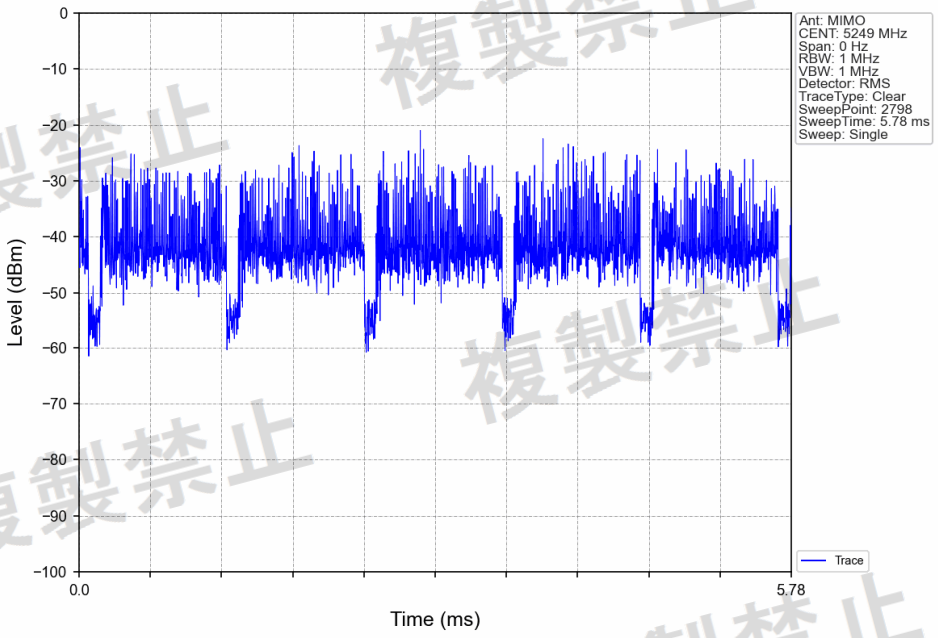


802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV

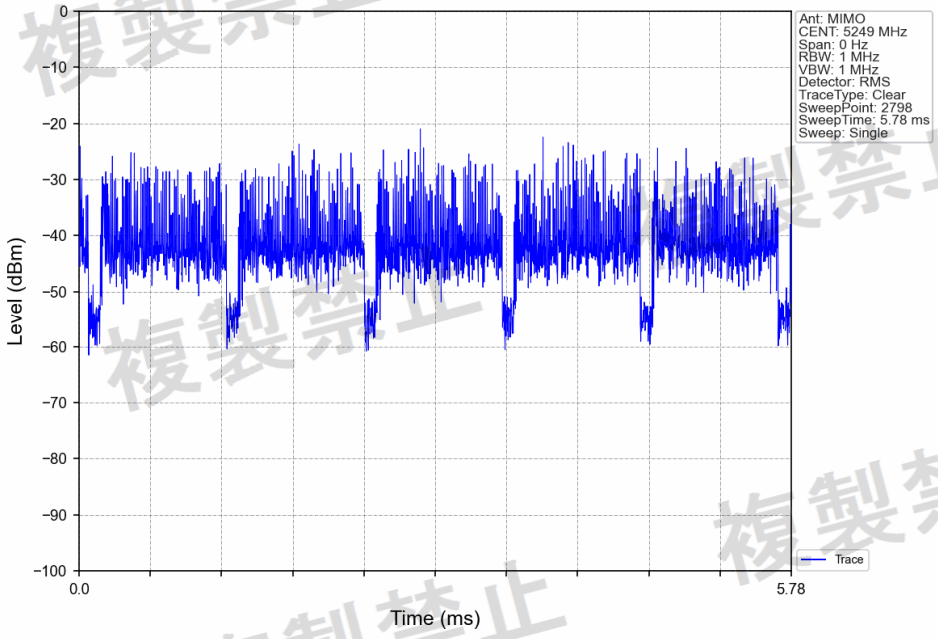


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5235.344	-30.16	/	MIMO	-24.60	/	-23.59	Pass
5233.3	5240	1	1	5239.893	-27.85	/	MIMO	-22.29	/	-18.13	Pass
5240	5249	1	1	5249.000	-15.14	-33.48	MIMO	-9.58	-27.92	-10	Pass
5240	5249	1	1	5249.000	-15.14	-33.48	MIMO	-9.58	-27.92	-10	Pass
5249	5249.8	1	1	5249.729	-3.77	-17.65	MIMO	1.79	-12.09	-2.71	Pass
5249	5249.8	1	1	5249.729	-3.77	-17.65	MIMO	1.79	-12.09	-2.71	Pass
5249.8	5250	1	1	5249.805	-3.96	-15.98	MIMO	1.60	-10.42	-1.87	Pass
5249.8	5250	1	1	5249.963	-1.74	-13.16	MIMO	3.82	-7.60	2.35	Pass

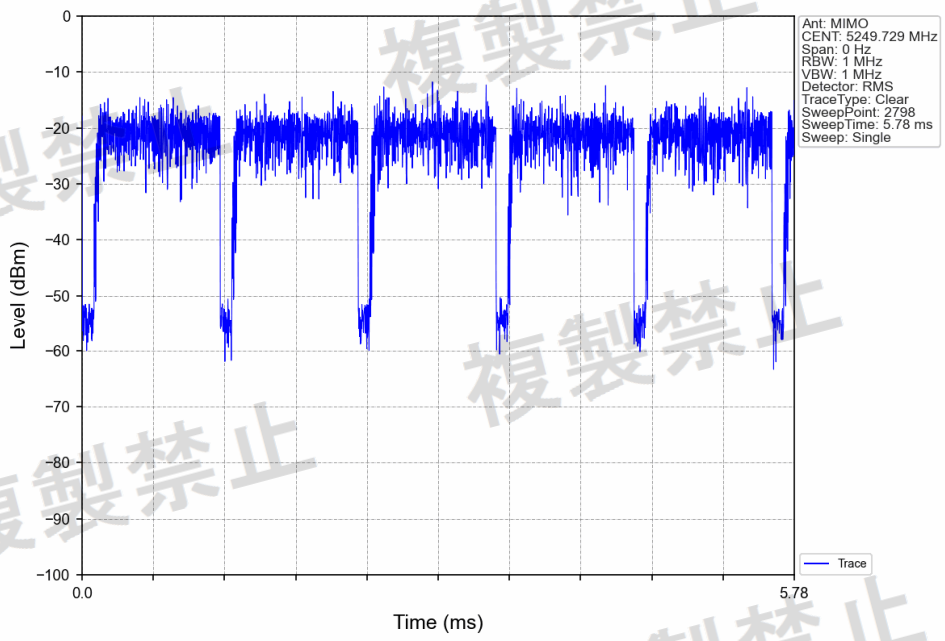
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



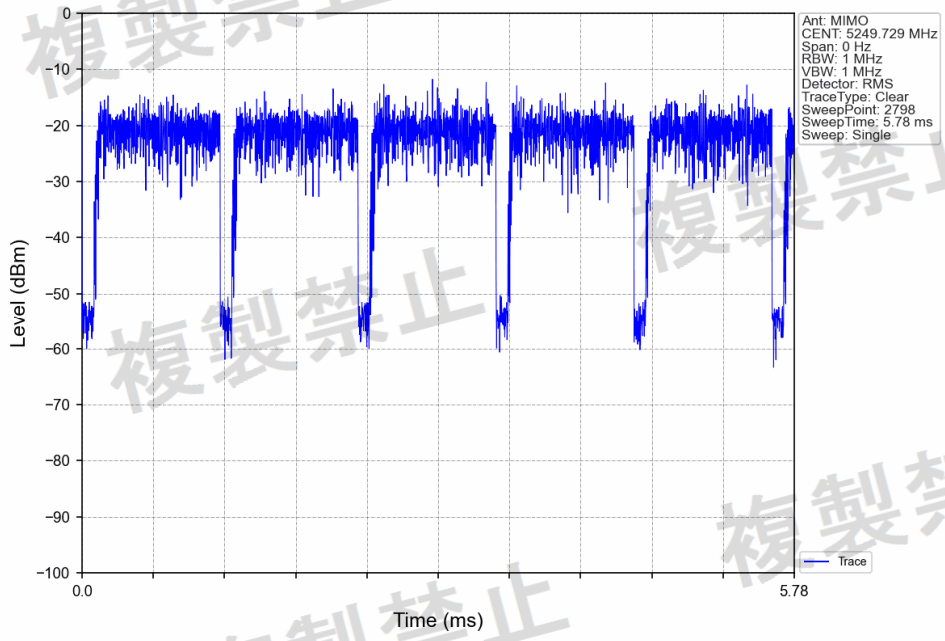
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



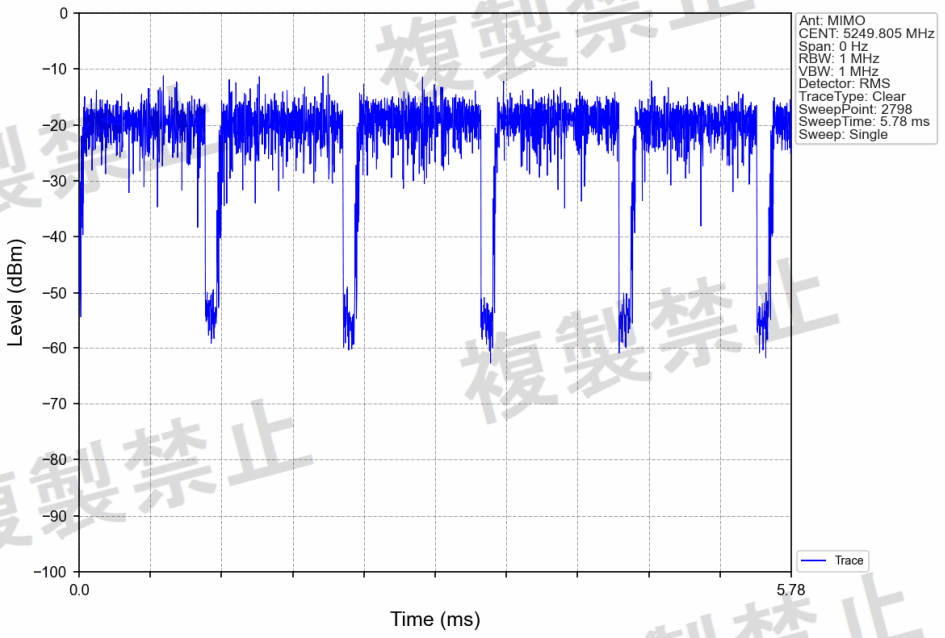
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



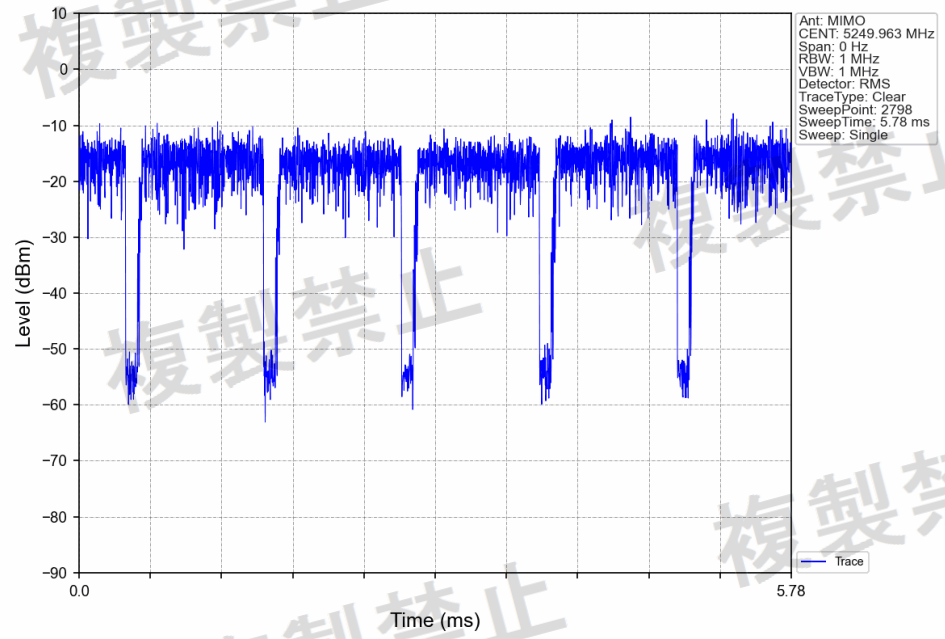
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



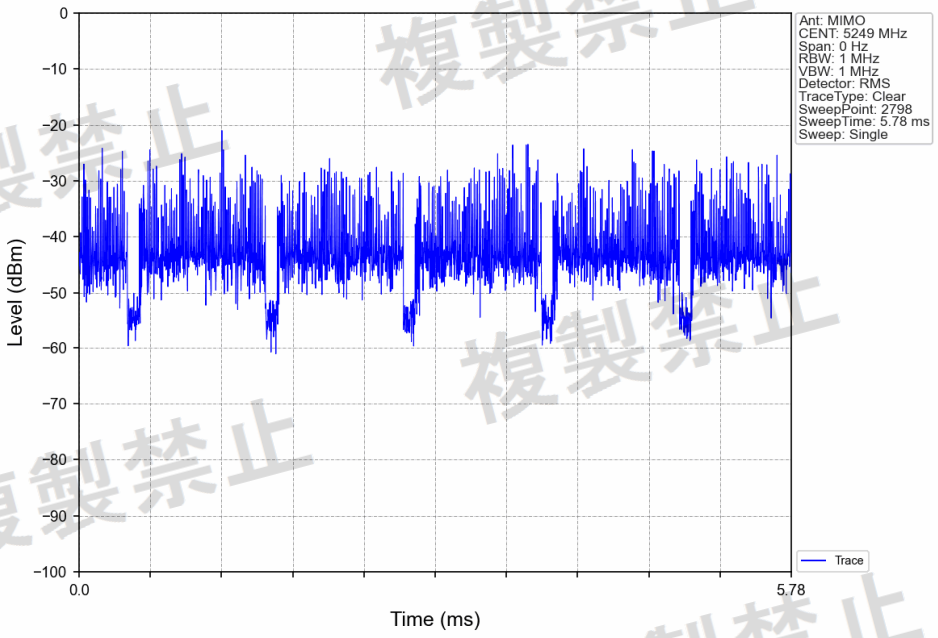
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



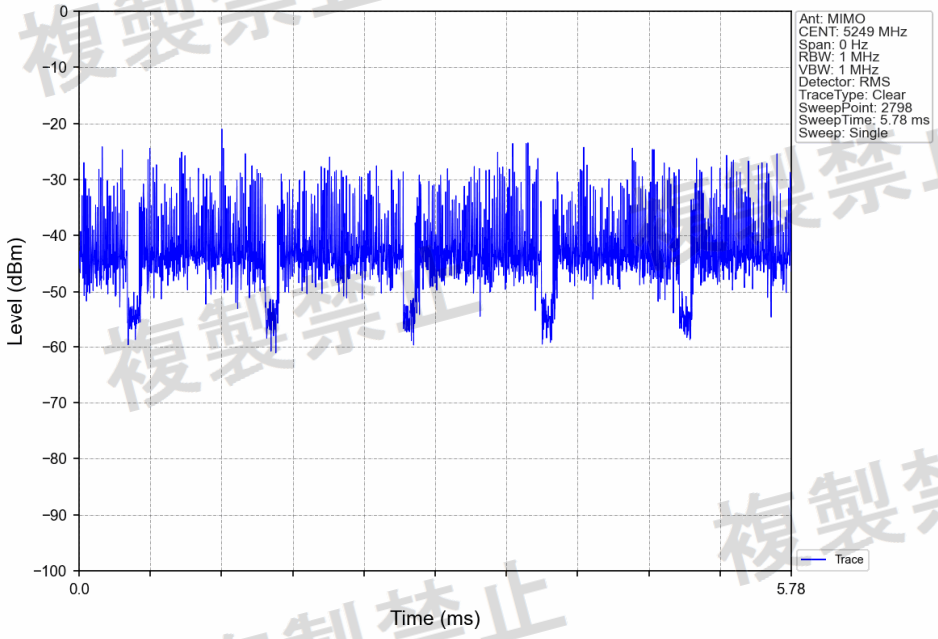
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



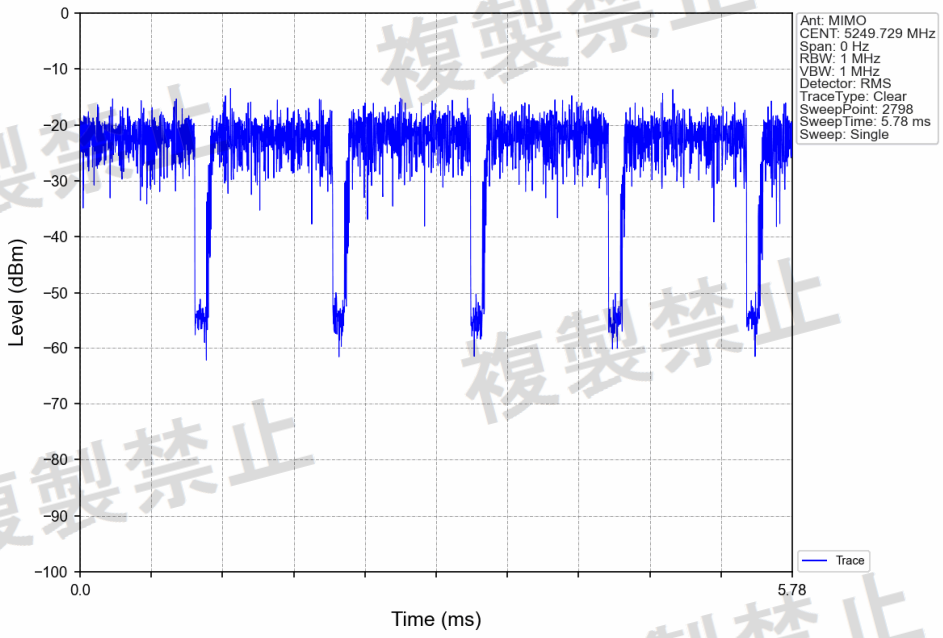
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



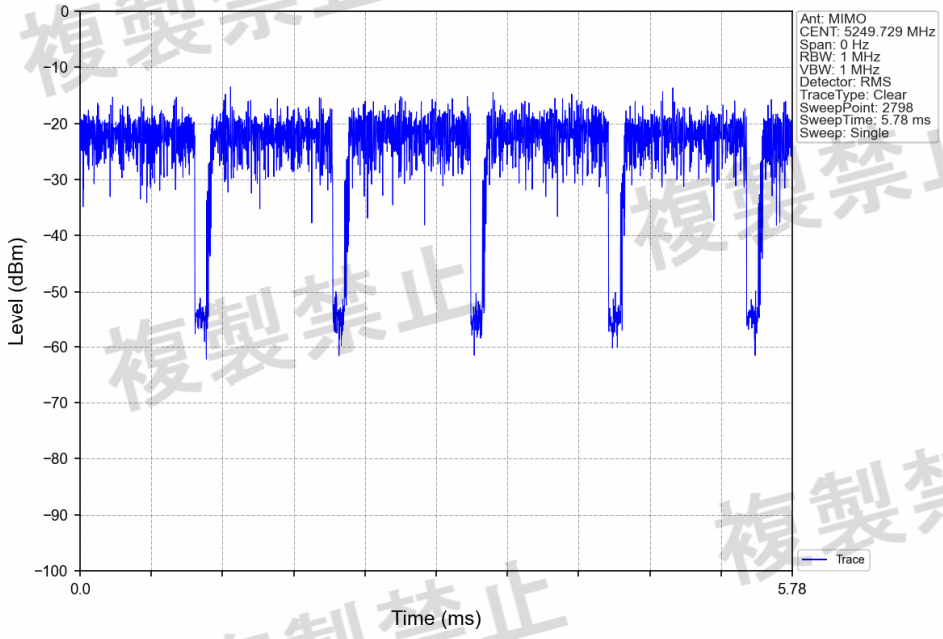
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



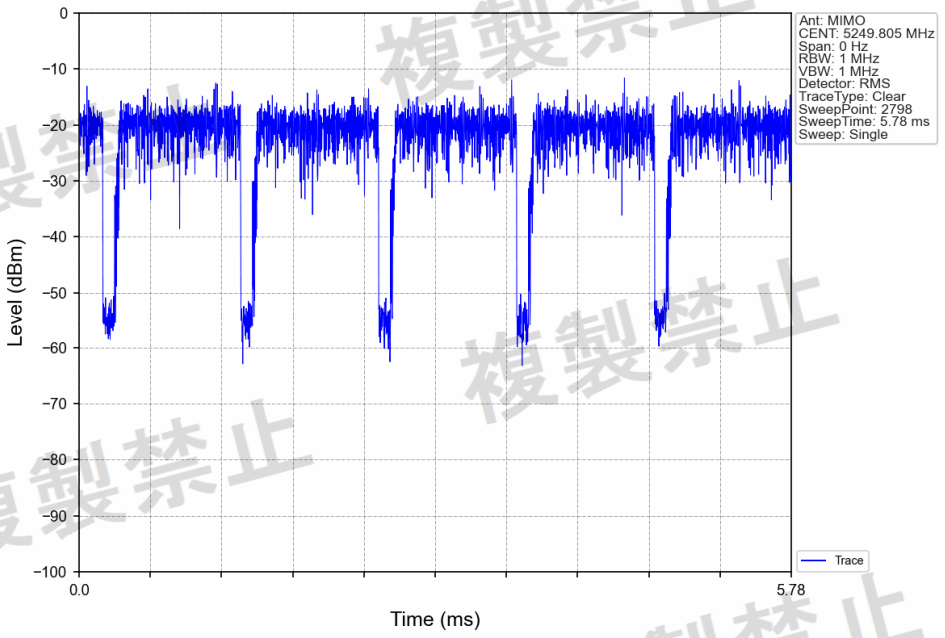
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



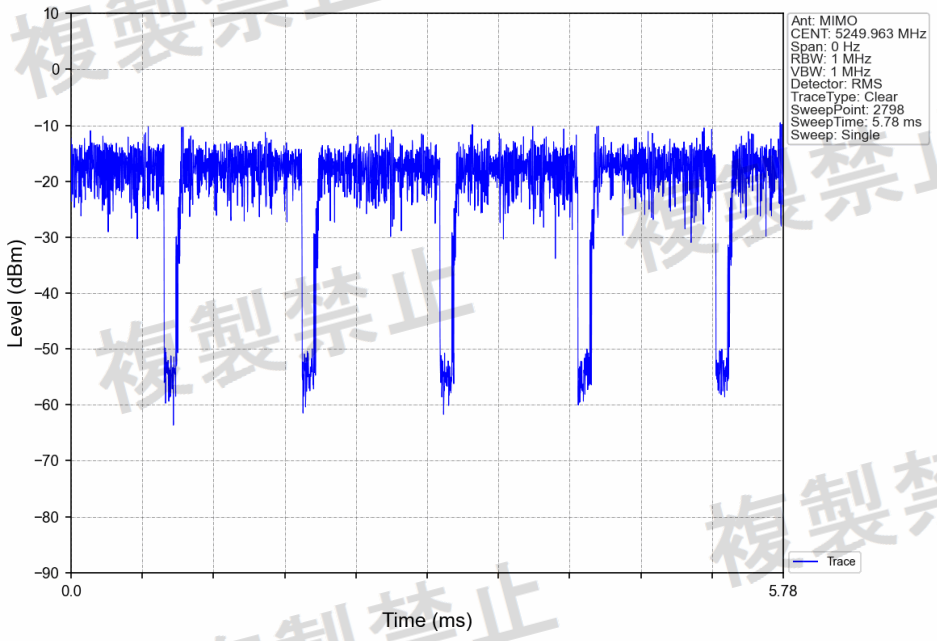
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



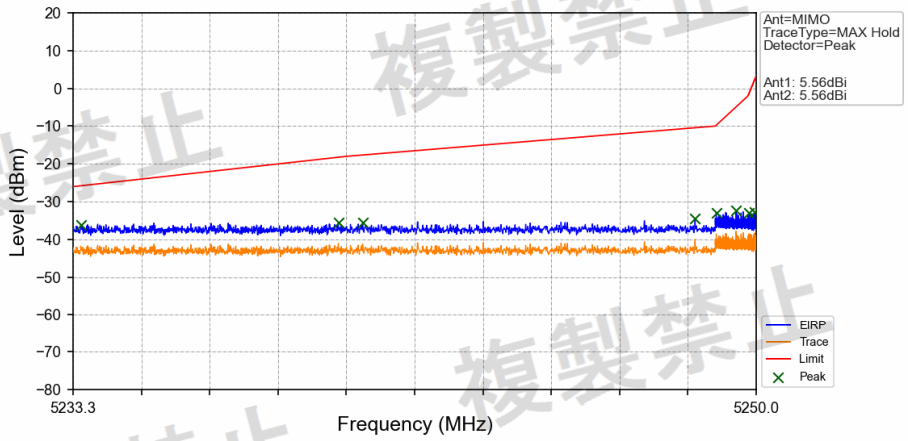
802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV



802.11ax(HEW20)_LCH_5260MHz_SU_ / _MIMO_NTNV

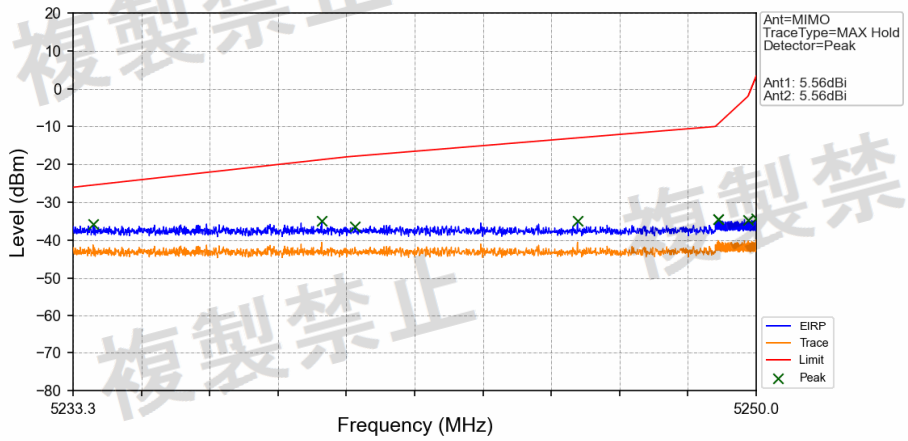


802.11ax(HEW20)_MCH_5300MHz_SU_ / _MIMO_NTNV



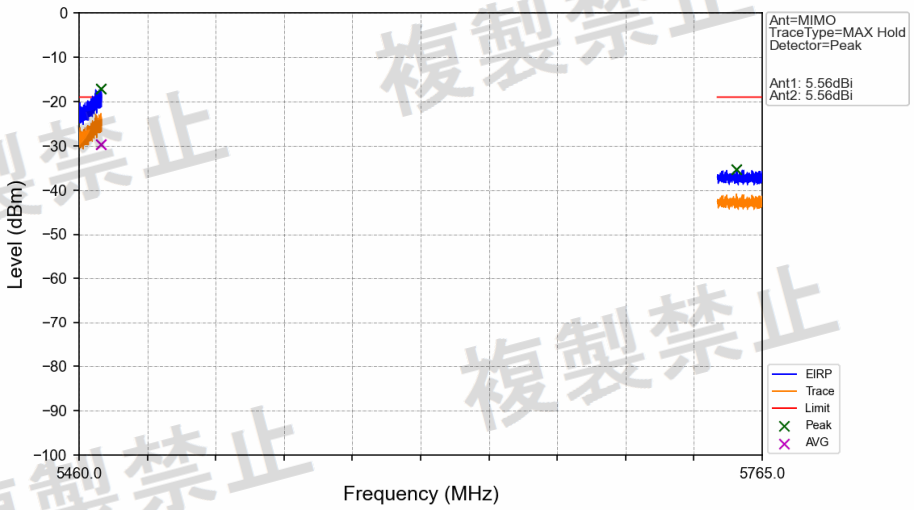
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.488	-41.81	/	MIMO	-36.25	/	-25.81	Pass
5233.3	5240	1	1	5239.786	-41.07	/	MIMO	-35.51	/	-18.26	Pass
5240	5249	1	1	5240.378	-41.16	/	MIMO	-35.60	/	-17.66	Pass
5240	5249	1	1	5248.505	-40.01	/	MIMO	-34.45	/	-10.44	Pass
5249	5249.8	1	1	5249.023	-38.62	/	MIMO	-33.06	/	-9.77	Pass
5249	5249.8	1	1	5249.505	-37.82	/	MIMO	-32.26	/	-4.95	Pass
5249.8	5250	1	1	5249.823	-38.52	/	MIMO	-32.96	/	-1.39	Pass
5249.8	5250	1	1	5249.956	-38.32	/	MIMO	-32.76	/	2.16	Pass

802.11ax(HEW20)_HCH_5320MHz_SU_ / _MIMO_NTNV



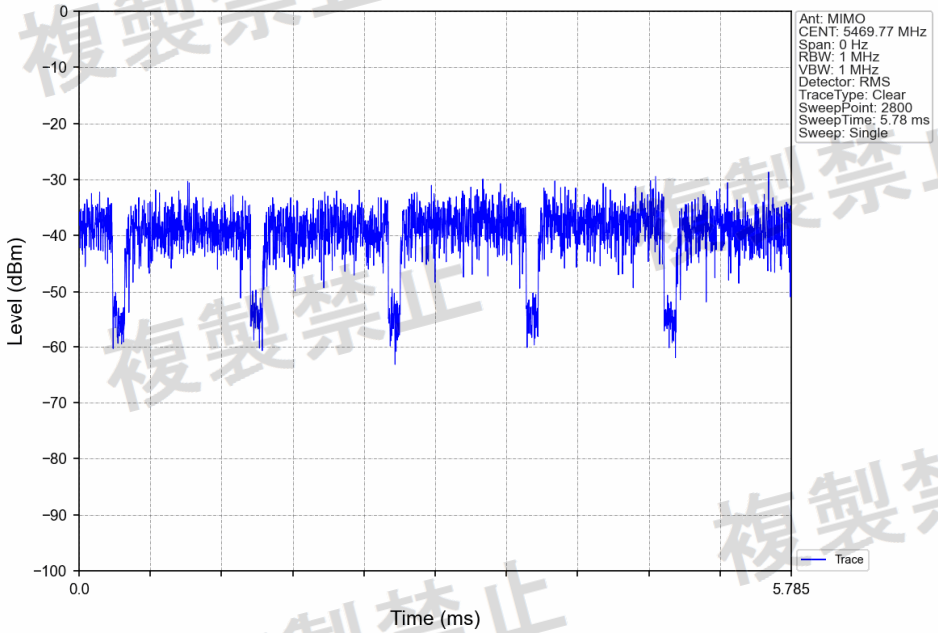
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5233.3	5240	1	1	5233.789	-41.25	/	MIMO	-35.70	/	-25.45	Pass
5233.3	5240	1	1	5239.377	-40.57	/	MIMO	-35.00	/	-18.75	Pass
5240	5249	1	1	5240.189	-41.91	/	MIMO	-36.34	/	-17.83	Pass
5240	5249	1	1	5245.634	-40.55	/	MIMO	-34.99	/	-12.99	Pass
5249	5249.8	1	1	5249.069	-40.12	/	MIMO	-34.56	/	-9.31	Pass
5249	5249.8	1	1	5249.069	-40.12	/	MIMO	-34.56	/	-9.31	Pass
5249.8	5250	1	1	5249.803	-40.20	/	MIMO	-34.64	/	-1.92	Pass
5249.8	5250	1	1	5249.997	-39.94	/	MIMO	-34.38	/	3.25	Pass

802.11ax(HEW20)_LCH_5500MHz_SU_ / _MIMO_NTNV

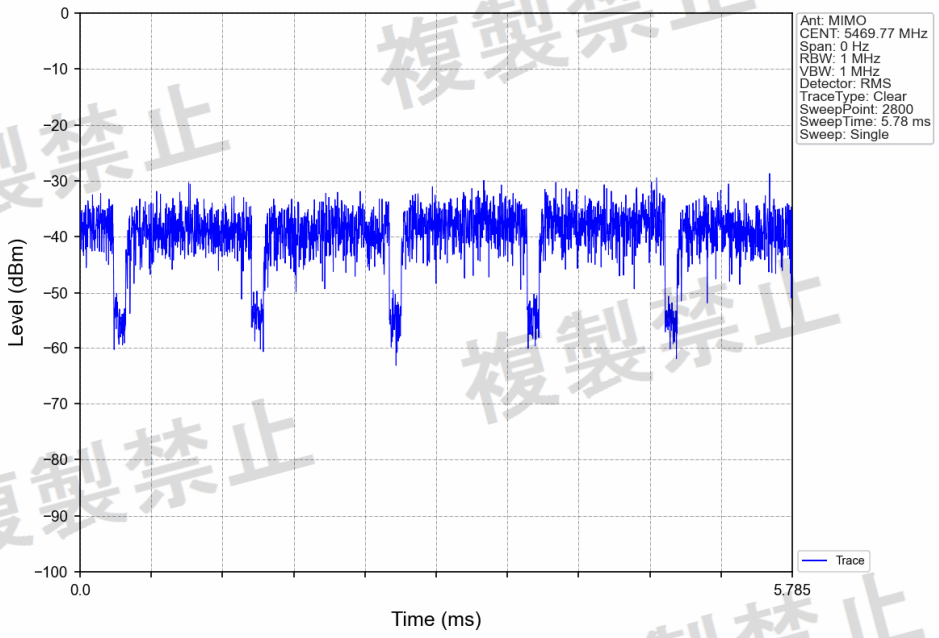


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5469.770	-22.71	-35.24	MIMO	-17.15	-29.68	-19.03	Pass
5460	5470	1	1	5469.770	-22.71	-35.24	MIMO	-17.15	-29.68	-19.03	Pass
5745	5765	1	1	5753.480	-40.90	/	MIMO	-35.33	/	-19.03	Pass
5745	5765	1	1	5753.480	-40.90	/	MIMO	-35.33	/	-19.03	Pass

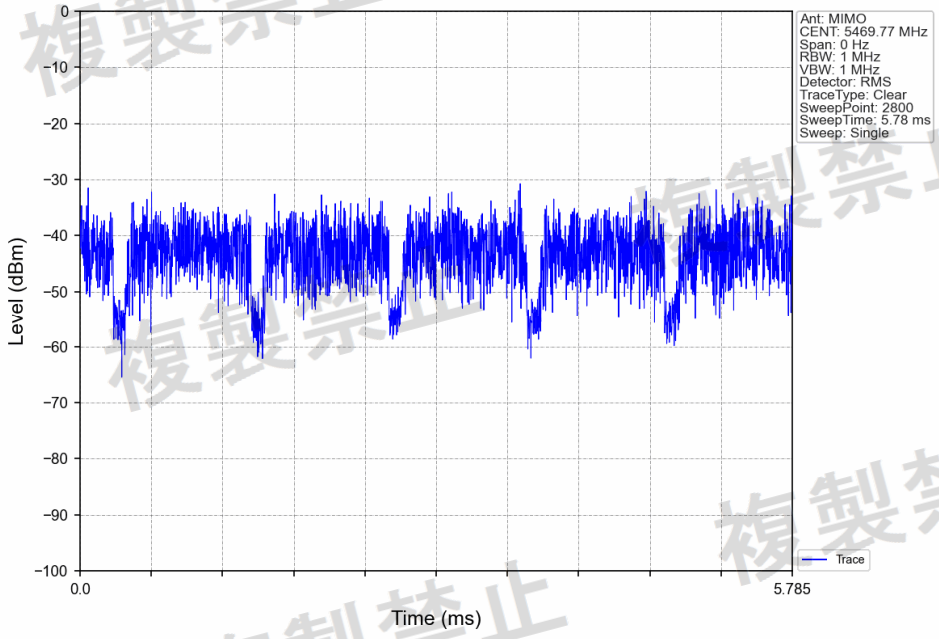
802.11ax(HEW20)_LCH_5500MHz_SU_ / _MIMO_NTNV



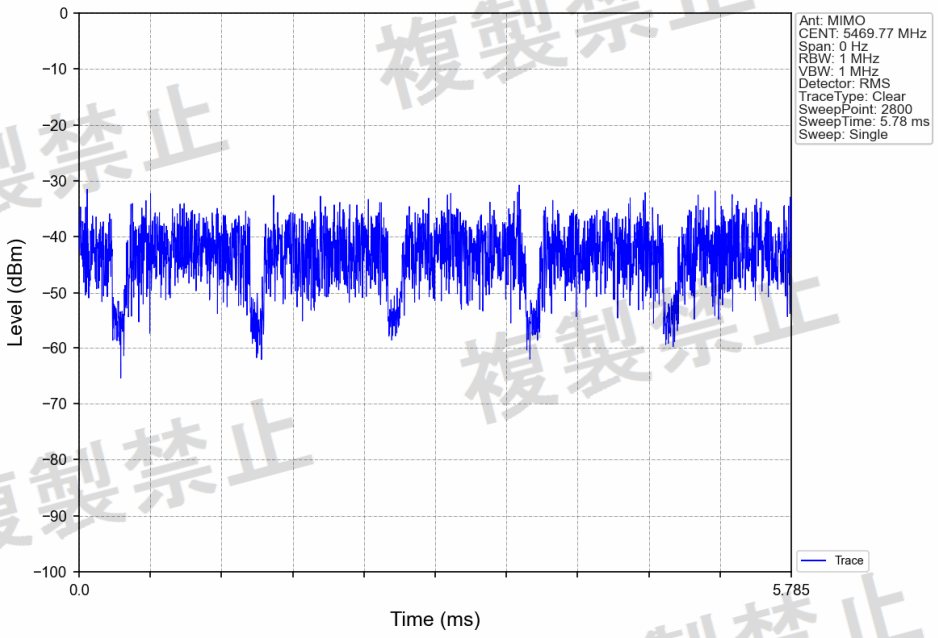
802.11ax(HEW20)_LCH_5500MHz_SU_ / _MIMO_NTNV



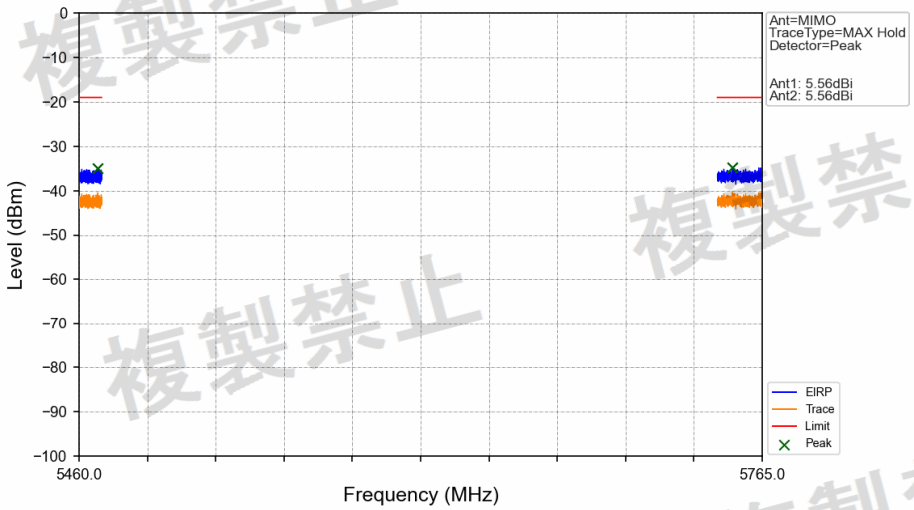
802.11ax(HEW20)_LCH_5500MHz_SU_ / _MIMO_NTNV



802.11ax(HEW20)_LCH_5500MHz_SU_ / _MIMO_NTNV

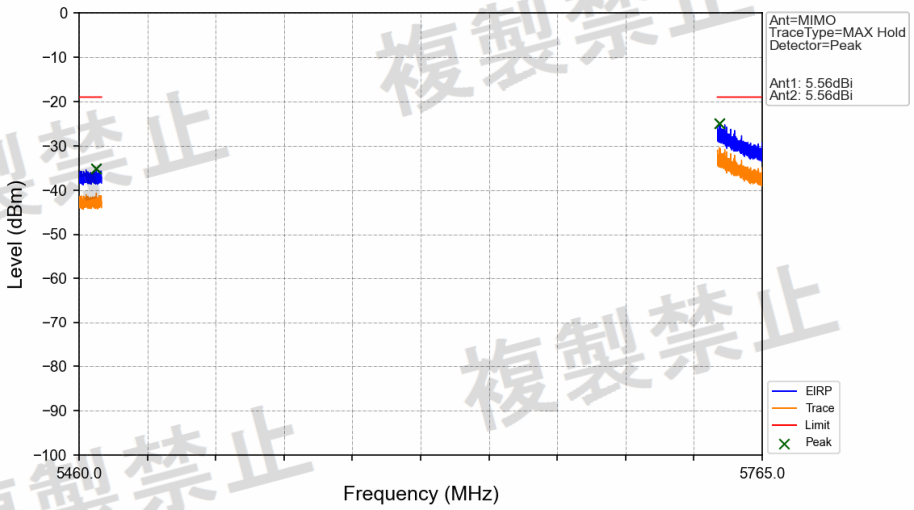


802.11ax(HEW20)_MCH_5600MHz_SU_ / _MIMO_NTNV



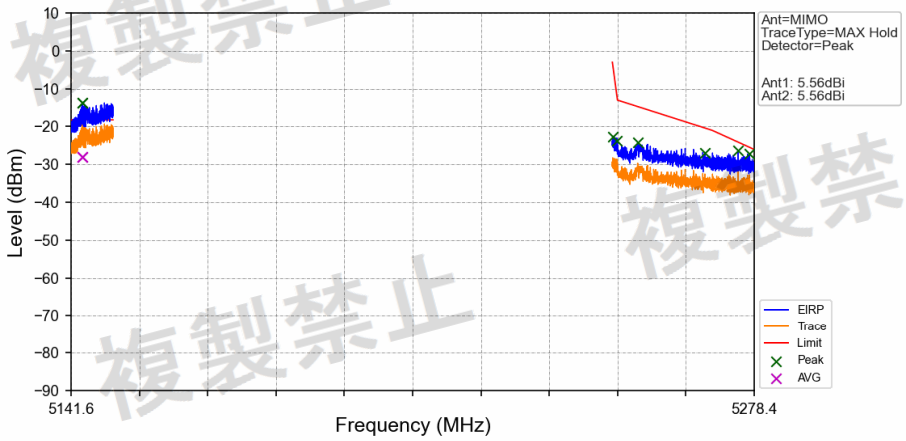
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5468.330	-40.46	/	MIMO	-34.90	/	-19.03	Pass
5460	5470	1	1	5468.330	-40.46	/	MIMO	-34.90	/	-19.03	Pass
5745	5765	1	1	5751.740	-40.41	/	MIMO	-34.85	/	-19.03	Pass
5745	5765	1	1	5751.740	-40.41	/	MIMO	-34.85	/	-19.03	Pass

802.11ax(HEW20)_HCH_5700MHz_SU_ / _MIMO_NTNV



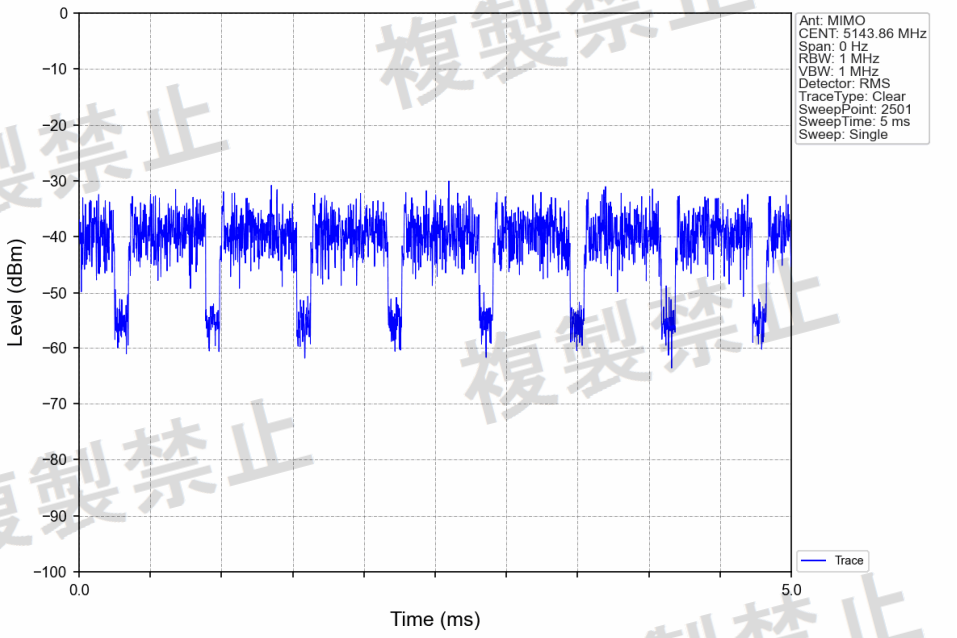
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5467.720	-40.70	/	MIMO	-35.14	/	-19.03	Pass
5460	5470	1	1	5467.720	-40.70	/	MIMO	-35.14	/	-19.03	Pass
5745	5765	1	1	5745.800	-30.46	/	MIMO	-24.90	/	-19.03	Pass
5745	5765	1	1	5745.800	-30.46	/	MIMO	-24.90	/	-19.03	Pass

802.11ax(HEW40)_LCH_5190MHz_SU_ / _MIMO_NTNV

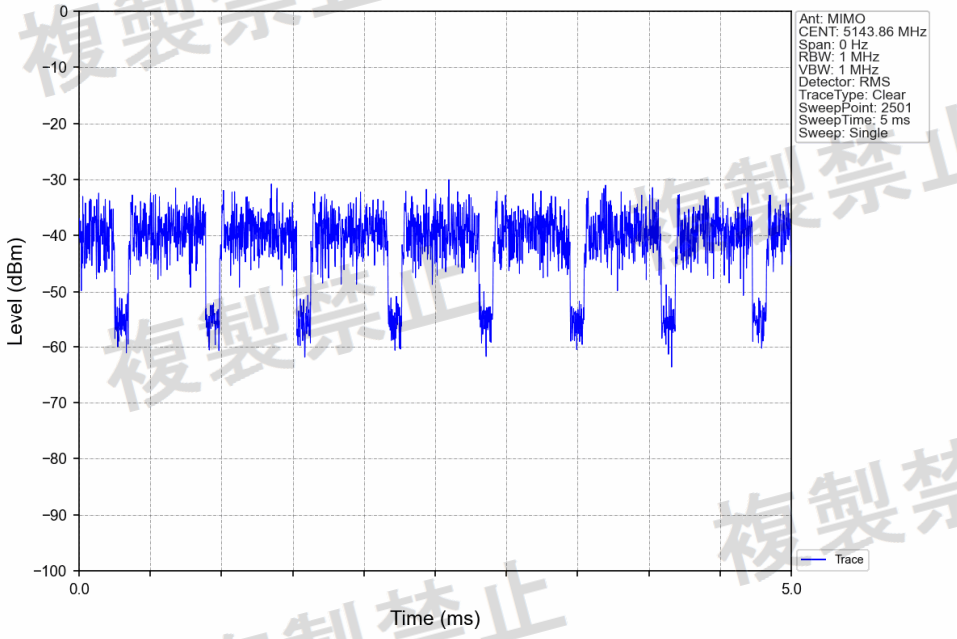


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5143.860	-19.27	-33.56	MIMO	-13.71	-28.00	-18.24	Pass
5141.6	5150	1	1	5143.860	-19.27	-33.56	MIMO	-13.71	-28.00	-18.24	Pass
5250	5251	1	1	5250.069	-28.23	/	MIMO	-22.66	/	-3.7	Pass
5250	5251	1	1	5250.981	-29.28	/	MIMO	-23.72	/	-12.82	Pass
5251	5270	1	1	5255.047	-29.69	/	MIMO	-24.13	/	-14.71	Pass
5251	5270	1	1	5268.518	-32.51	/	MIMO	-26.95	/	-20.39	Pass
5270	5278.4	1	1	5275.183	-31.86	/	MIMO	-26.29	/	-24.12	Pass
5270	5278.4	1	1	5277.400	-32.76	/	MIMO	-27.20	/	-25.45	Pass

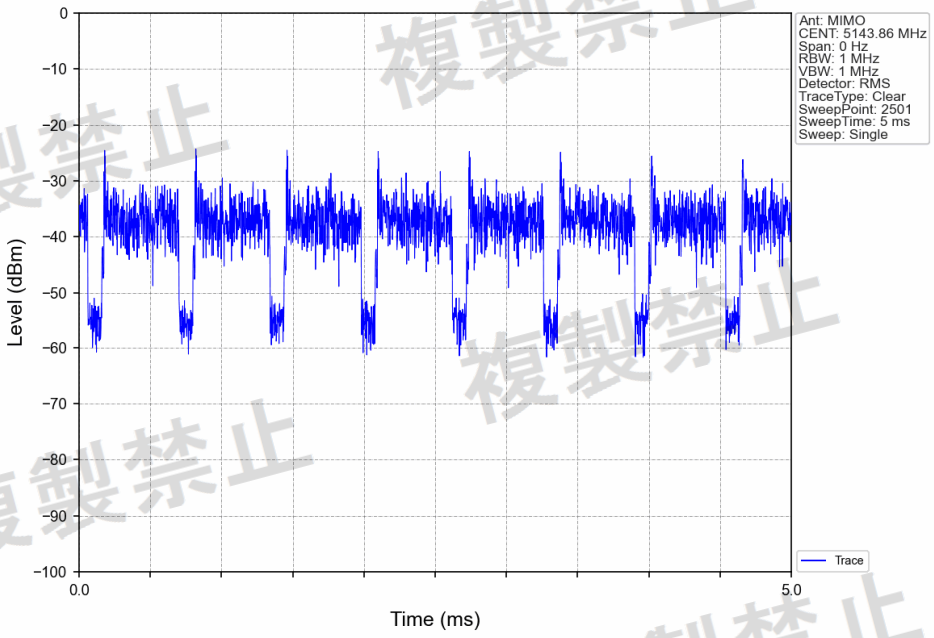
802.11ax(HEW40)_LCH_5190MHz_SU_ / _MIMO_NTNV



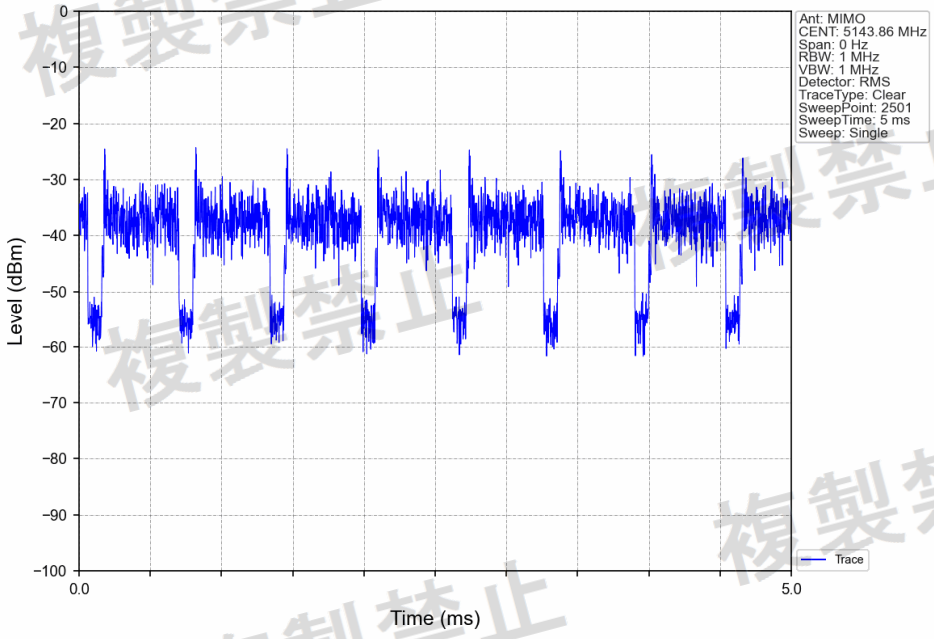
802.11ax(HEW40)_LCH_5190MHz_SU_ / _MIMO_NTNV



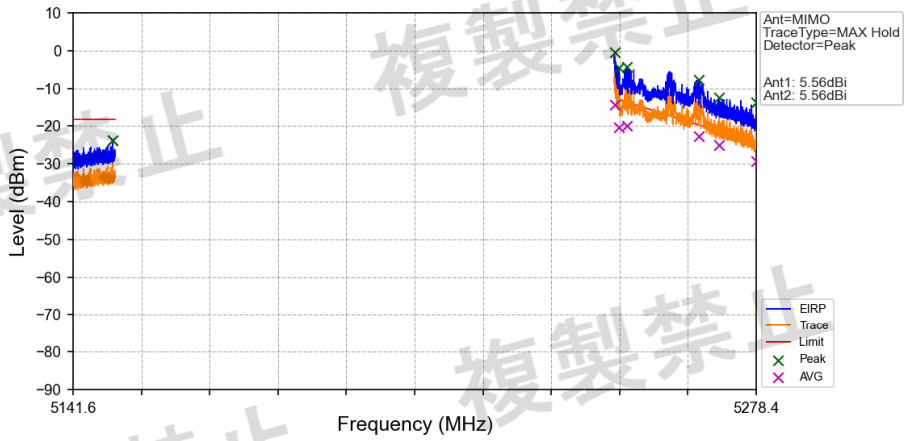
802.11ax(HEW40)_LCH_5190MHz_SU_ / _MIMO_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_ / _MIMO_NTNV

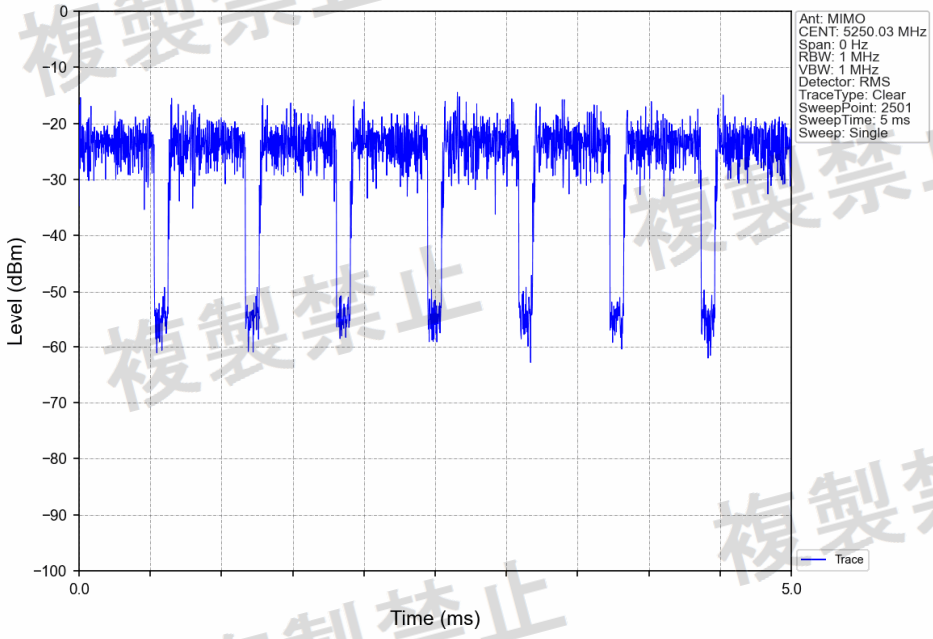


802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV

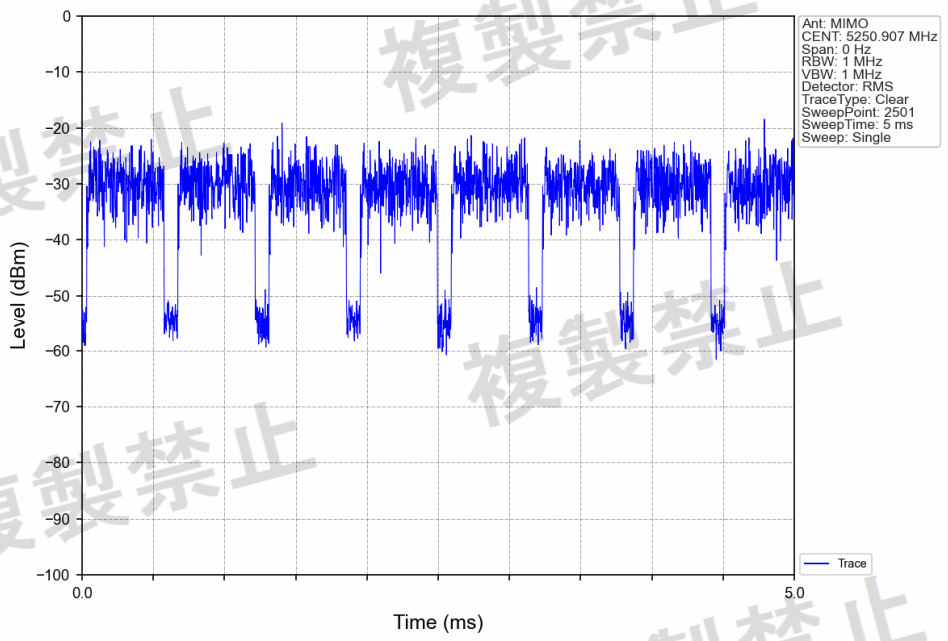


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.546	-29.29	/	MIMO	-23.73	/	-18.24	Pass
5141.6	5150	1	1	5149.546	-29.29	/	MIMO	-23.73	/	-18.24	Pass
5250	5251	1	1	5250.030	-6.13	-19.98	MIMO	-0.57	-14.42	-3.31	Pass
5250	5251	1	1	5250.907	-10.19	-25.82	MIMO	-4.63	-20.26	-12.08	Pass
5251	5270	1	1	5252.577	-9.95	-25.50	MIMO	-4.39	-19.94	-13.67	Pass
5251	5270	1	1	5266.865	-13.37	-28.29	MIMO	-7.81	-22.73	-19.69	Pass
5270	5278.4	1	1	5270.958	-18.03	-30.68	MIMO	-12.46	-25.12	-21.59	Pass
5270	5278.4	1	1	5278.400	-19.38	-34.98	MIMO	-13.82	-29.42	-26.05	Pass

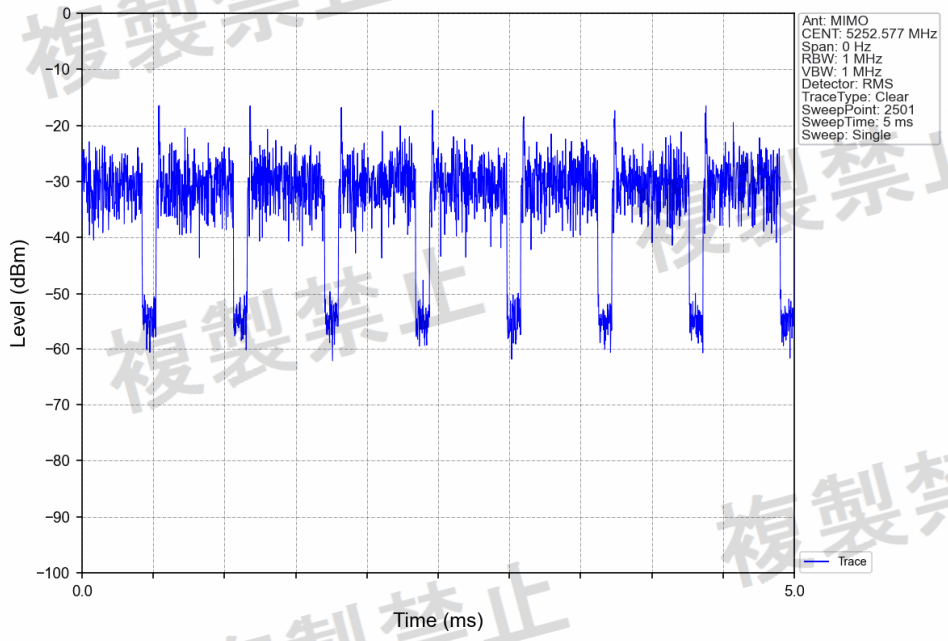
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



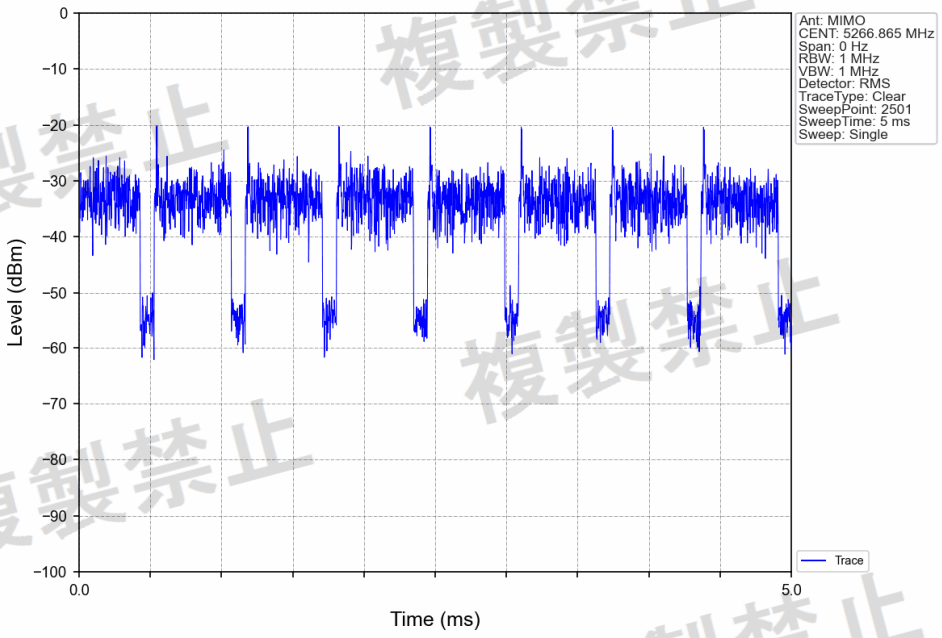
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



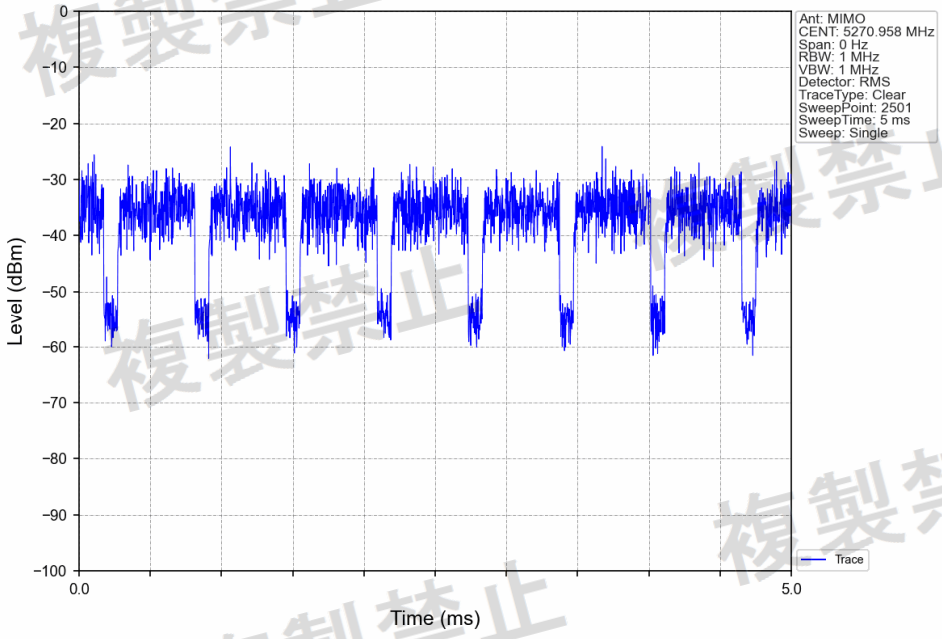
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



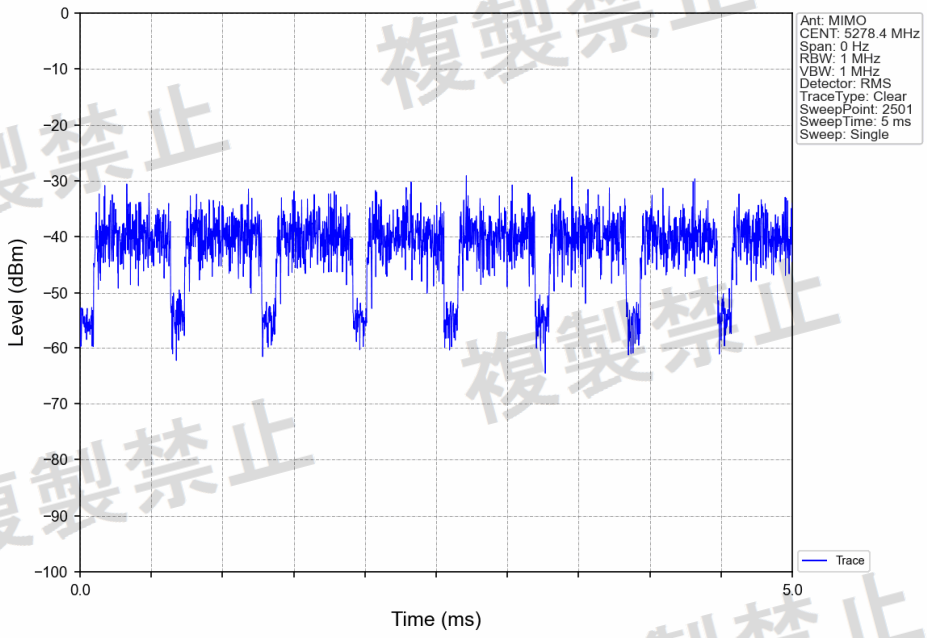
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



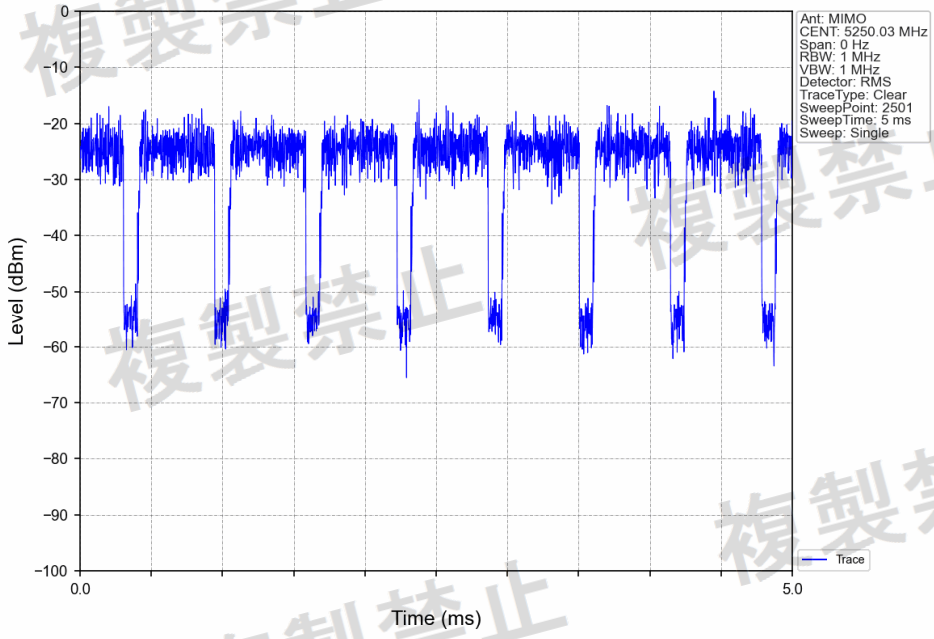
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



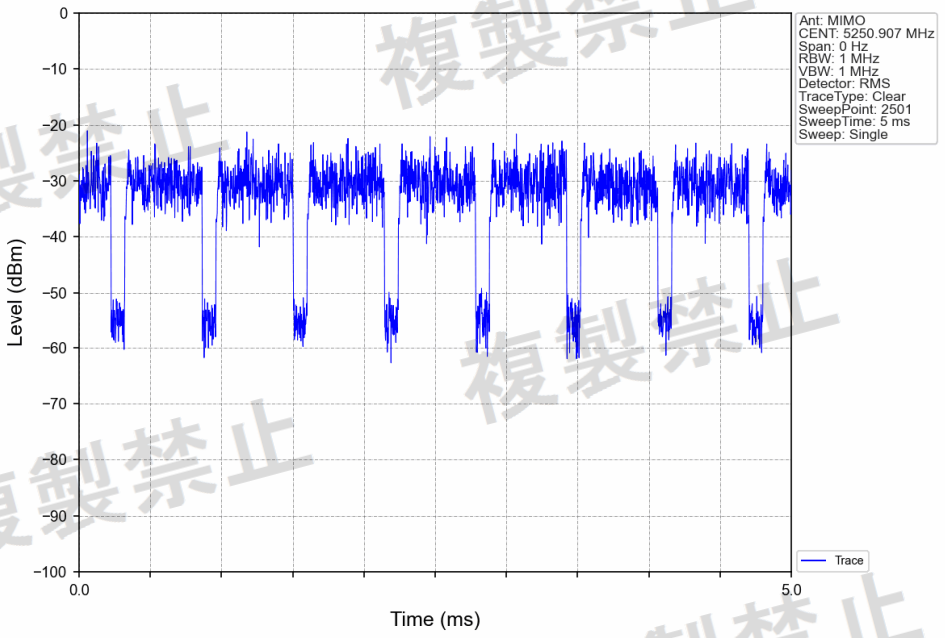
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



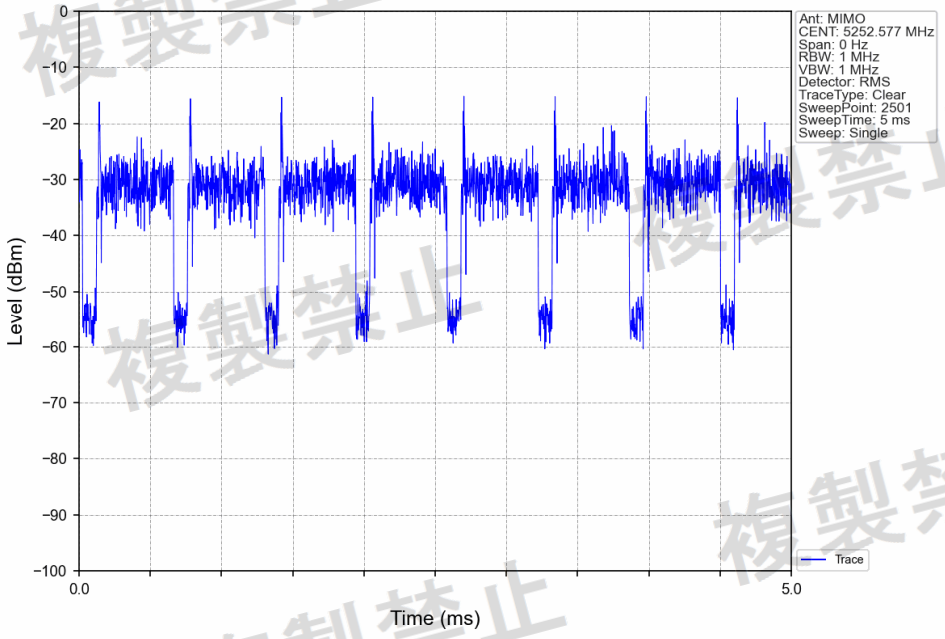
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



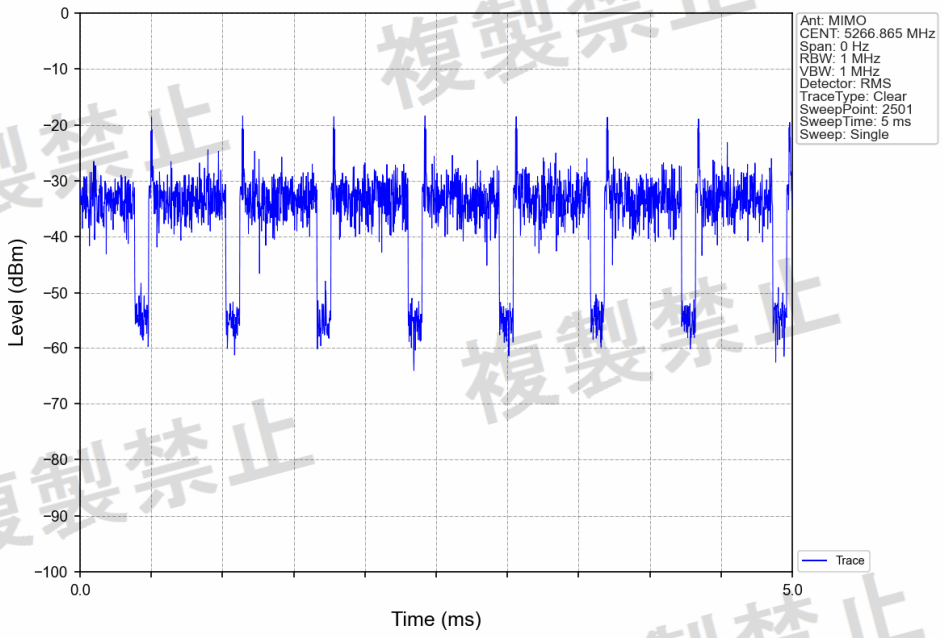
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



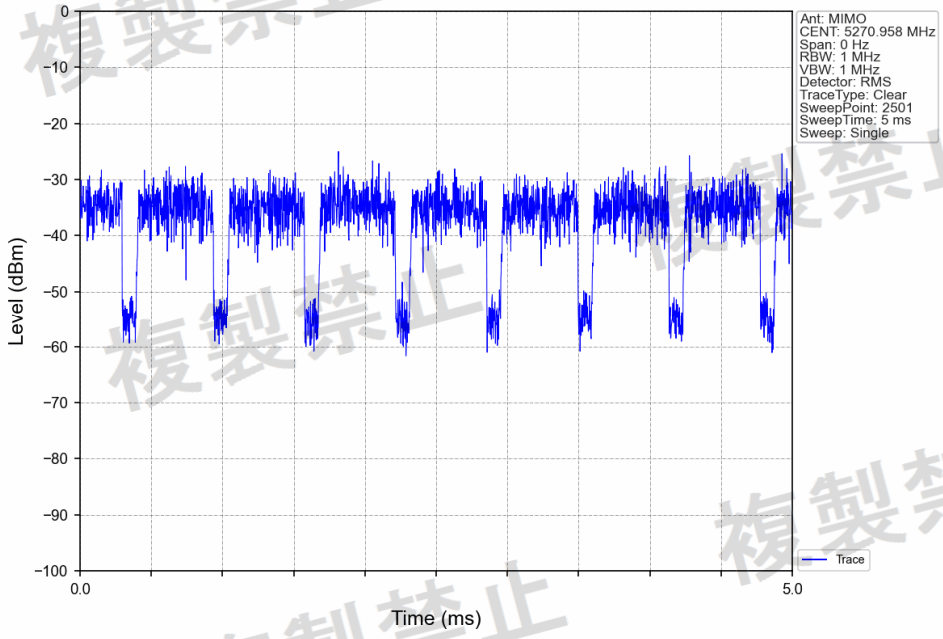
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



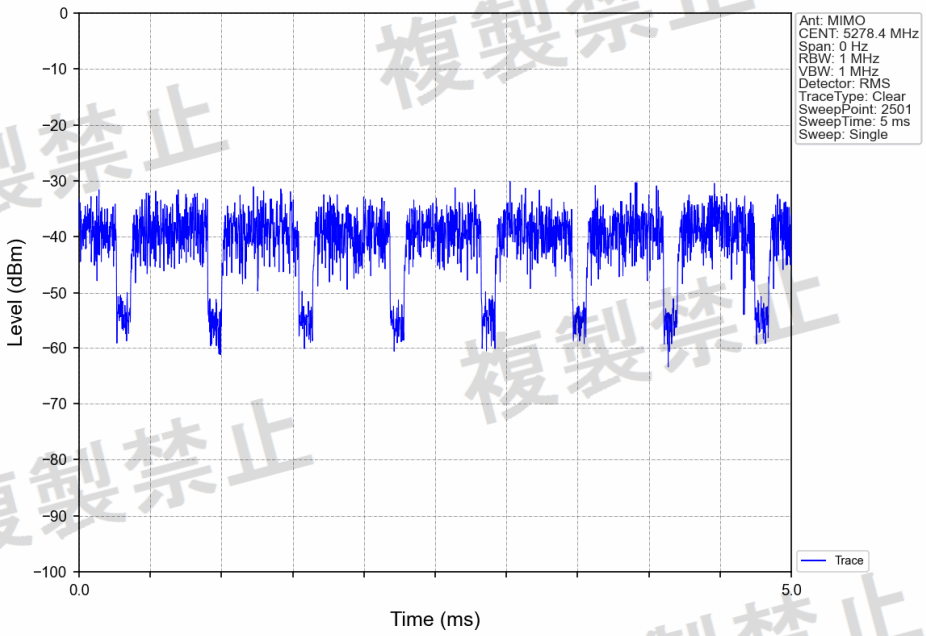
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



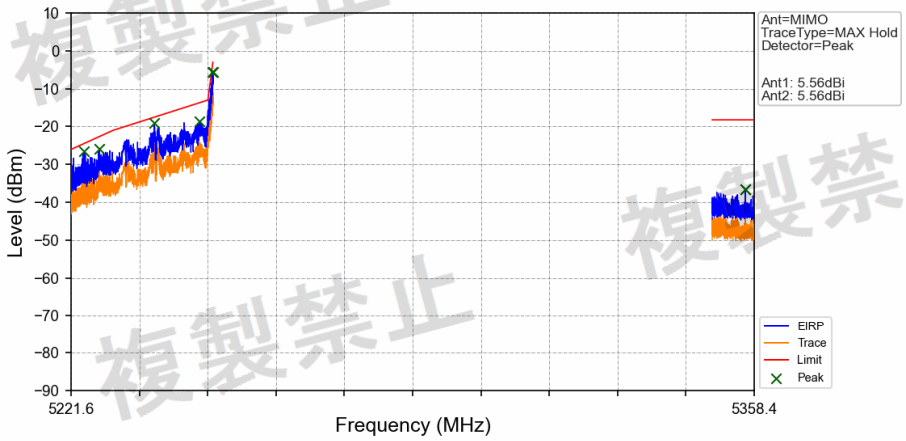
802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_ / _MIMO_NTNV

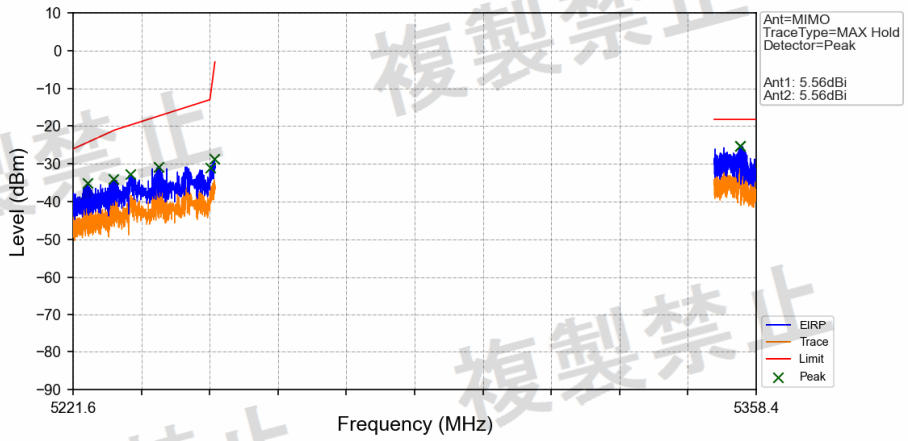


802.11ax(HEW40)_LCH_5270MHz_SU_ / _MIMO_NTNV



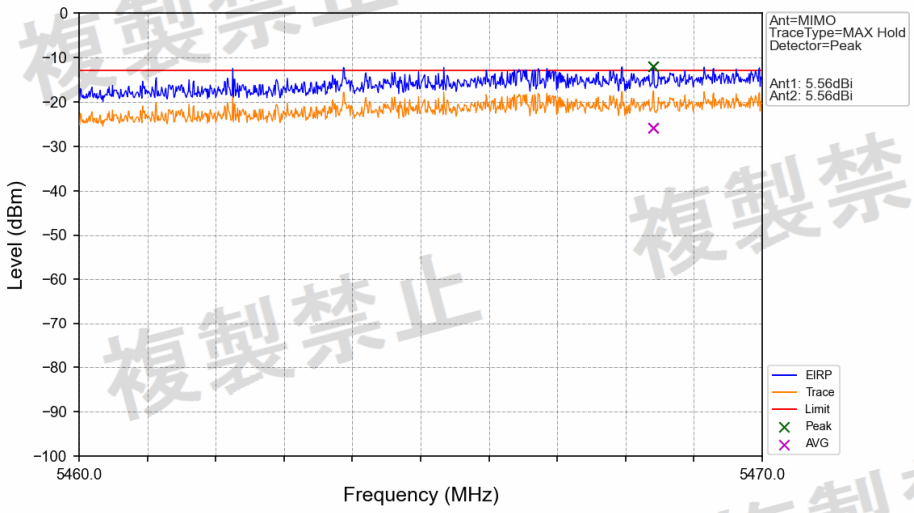
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5224.137	-32.11	/	MIMO	-26.55	/	-24.53	Pass
5221.6	5230	1	1	5227.287	-31.50	/	MIMO	-25.94	/	-22.64	Pass
5230	5249	1	1	5238.265	-24.61	/	MIMO	-19.05	/	-17.53	Pass
5230	5249	1	1	5247.347	-24.13	/	MIMO	-18.56	/	-13.71	Pass
5249	5250	1	1	5249.969	-11.12	/	MIMO	-5.56	/	-3.32	Pass
5249	5250	1	1	5249.992	-11.09	/	MIMO	-5.53	/	-3.09	Pass
5350	5358.4	1	1	5356.628	-42.10	/	MIMO	-36.54	/	-18.24	Pass
5350	5358.4	1	1	5356.628	-42.10	/	MIMO	-36.54	/	-18.24	Pass

802.11ax(HEW40)_HCH_5310MHz_SU_ / _MIMO_NTNV



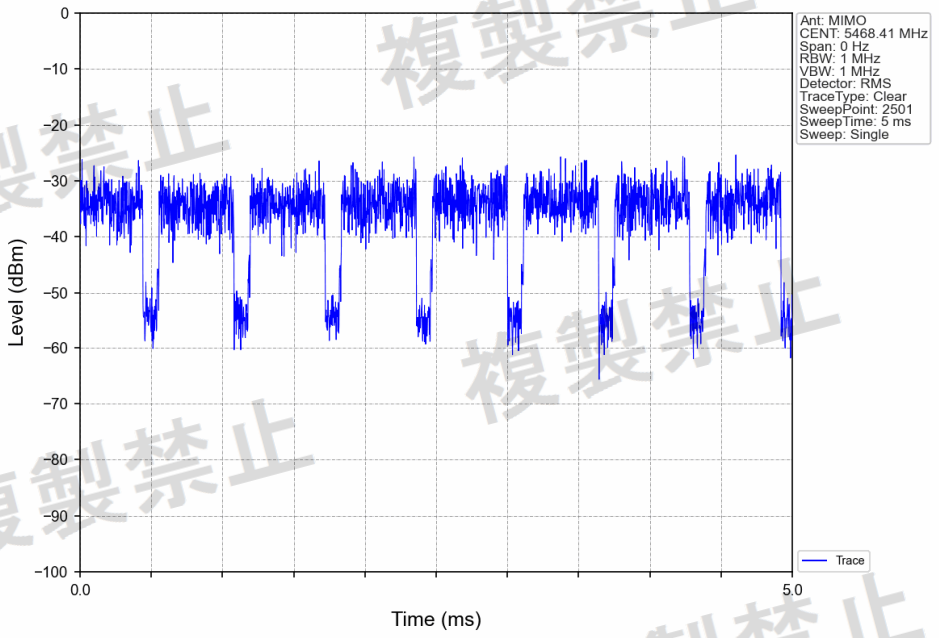
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5221.6	5230	1	1	5224.557	-40.71	/	MIMO	-35.14	/	-24.28	Pass
5221.6	5230	1	1	5229.714	-39.53	/	MIMO	-33.97	/	-21.18	Pass
5230	5249	1	1	5233.154	-38.33	/	MIMO	-32.77	/	-19.68	Pass
5230	5249	1	1	5238.778	-36.31	/	MIMO	-30.75	/	-17.31	Pass
5249	5250	1	1	5249.047	-36.61	/	MIMO	-31.05	/	-12.54	Pass
5249	5250	1	1	5249.840	-34.14	/	MIMO	-28.57	/	-4.61	Pass
5350	5358.4	1	1	5355.107	-30.78	/	MIMO	-25.22	/	-18.24	Pass
5350	5358.4	1	1	5355.107	-30.78	/	MIMO	-25.22	/	-18.24	Pass

802.11ax(HEW40)_LCH_5510MHz_SU_ / _MIMO_NTNV

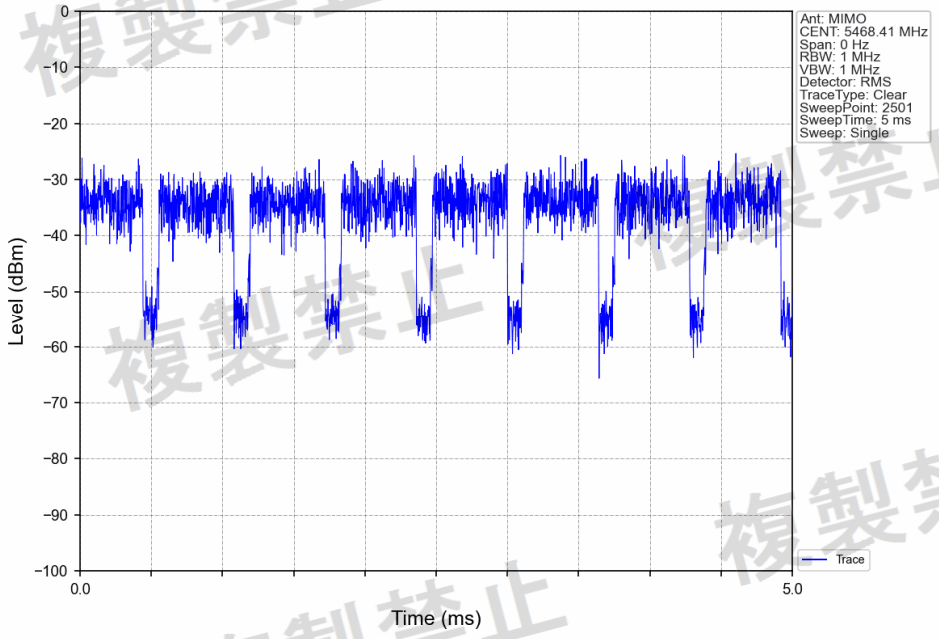


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5468.410	-17.55	-31.38	MIMO	-12.00	-25.82	-13.01	Pass
5460	5470	1	1	5468.410	-17.55	-31.38	MIMO	-12.00	-25.82	-13.01	Pass

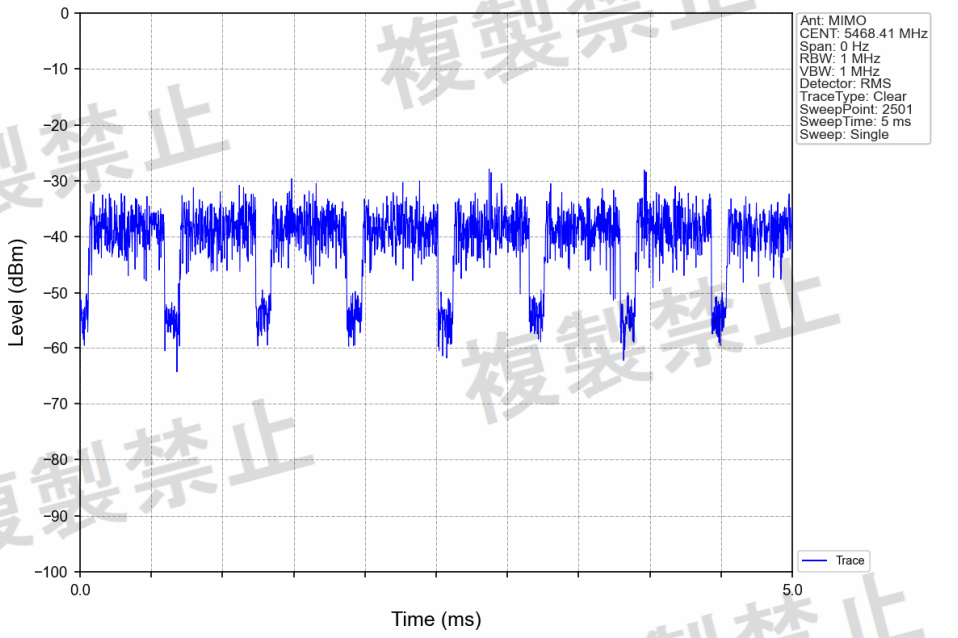
802.11ax(HEW40)_LCH_5510MHz_SU_ / _MIMO_NTNV



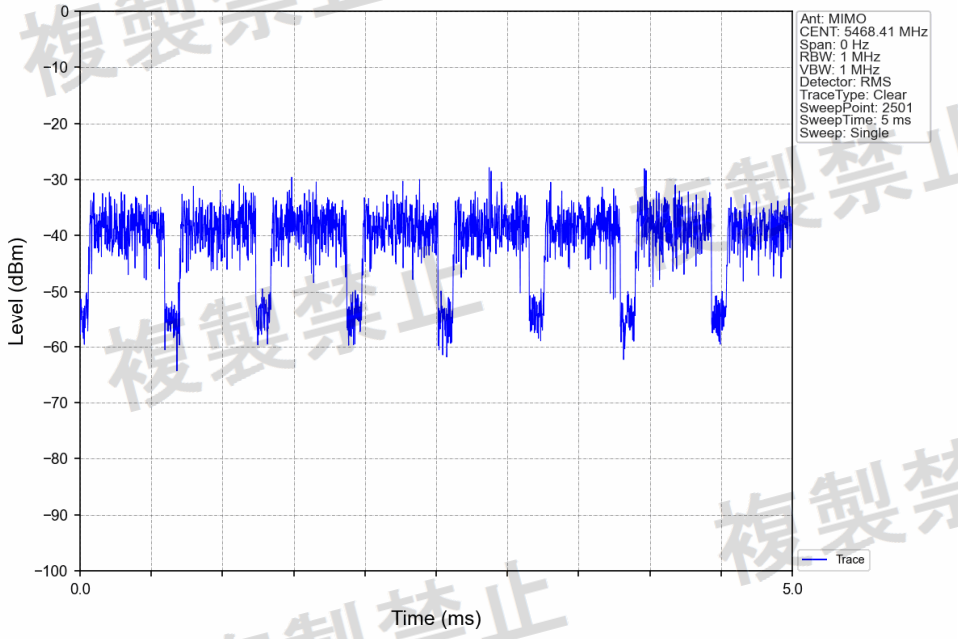
802.11ax(HEW40)_LCH_5510MHz_SU_ / _MIMO_NTNV



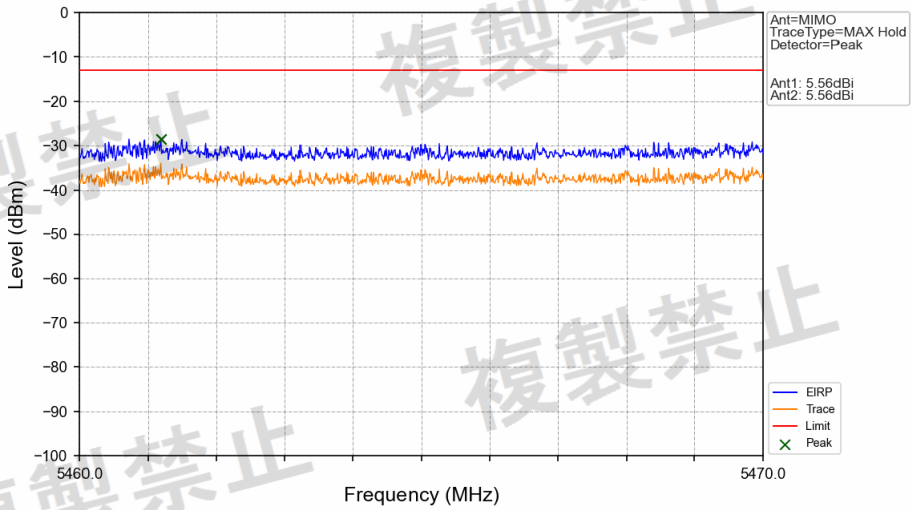
802.11ax(HEW40)_LCH_5510MHz_SU_ / _MIMO_NTNV



802.11ax(HEW40)_LCH_5510MHz_SU_ / _MIMO_NTNV

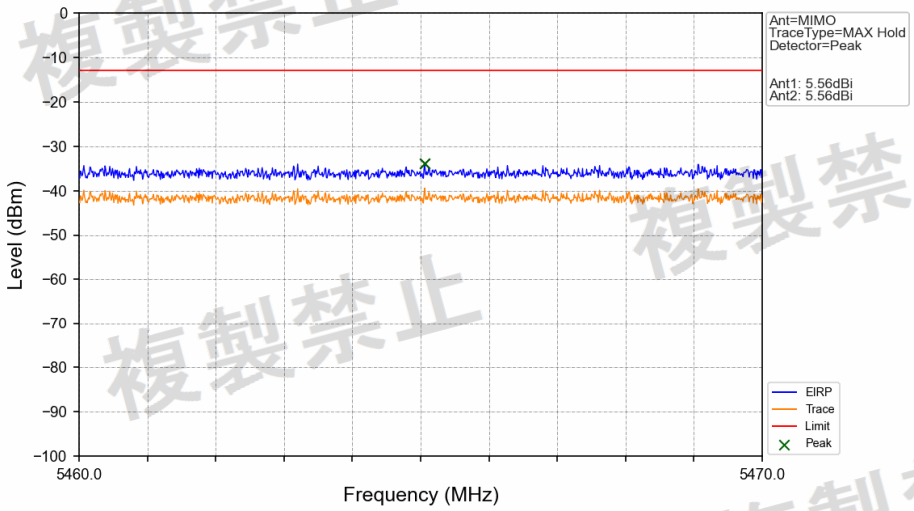


802.11ax(HEW40)_MCH_5590MHz_SU_ / _MIMO_NTNV



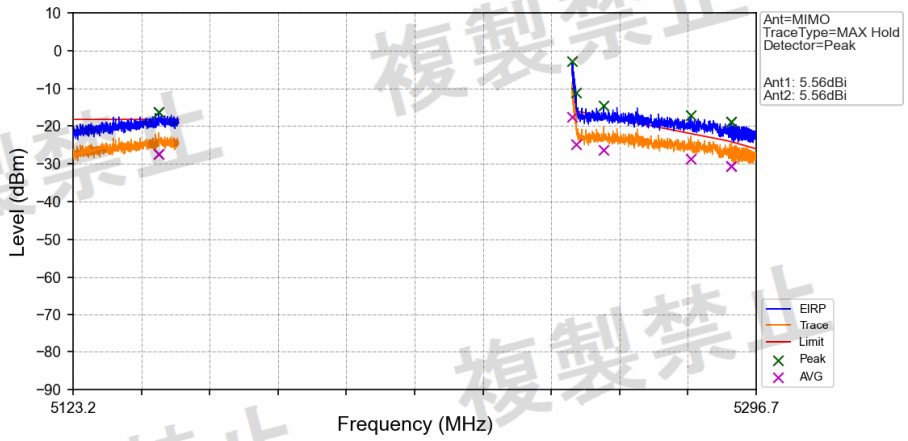
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5461.190	-34.10	/	MIMO	-28.54	/	-13.01	Pass
5460	5470	1	1	5461.190	-34.10	/	MIMO	-28.54	/	-13.01	Pass

802.11ax(HEW40)_HCH_5670MHz_SU_ / _MIMO_NTNV



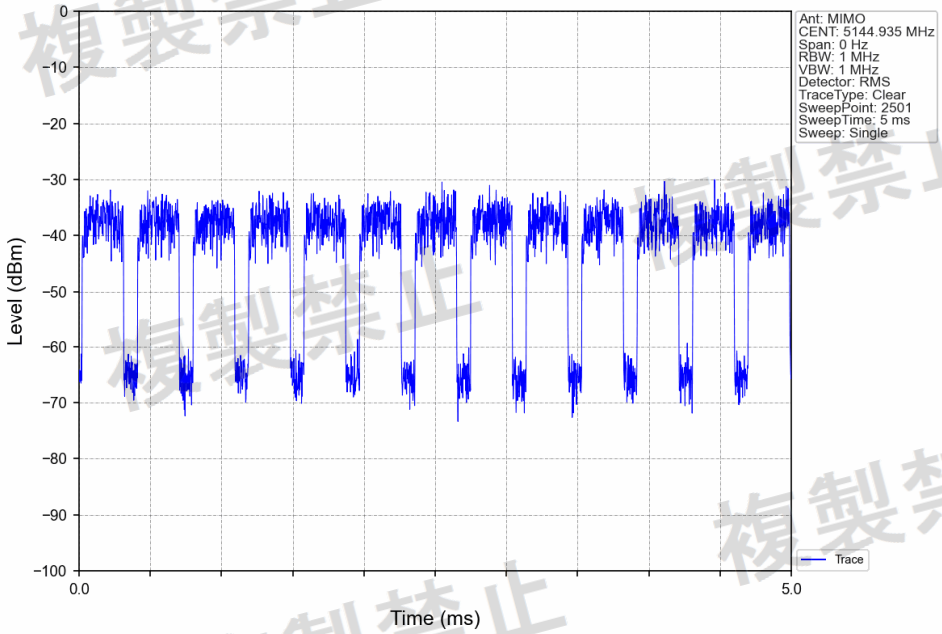
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5470	1	1	5465.060	-39.42	/	MIMO	-33.85	/	-13.01	Pass
5460	5470	1	1	5465.060	-39.42	/	MIMO	-33.85	/	-13.01	Pass

802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV

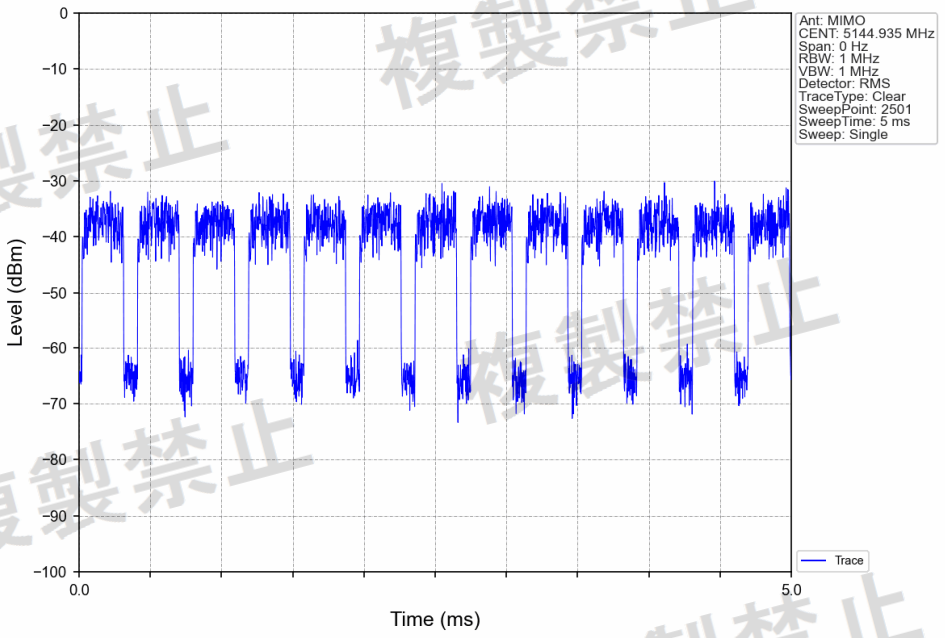


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5123.2	5150	1	1	5144.935	-21.74	-33.06	MIMO	-16.19	-27.50	-18.24	Pass
5123.2	5150	1	1	5144.935	-21.74	-33.06	MIMO	-16.19	-27.50	-18.24	Pass
5250	5251	1	1	5250.001	-8.44	-23.23	MIMO	-2.88	-17.67	-6.03	Pass
5250	5251	1	1	5250.947	-16.64	-30.49	MIMO	-11.09	-24.93	-15.49	Pass
5251	5290	1	1	5257.981	-20.09	-31.81	MIMO	-14.53	-26.25	-17.45	Pass
5251	5290	1	1	5280.094	-22.68	-34.23	MIMO	-17.12	-28.67	-21.99	Pass
5290	5296.7	1	1	5290.429	-24.33	-36.20	MIMO	-18.77	-30.64	-24.15	Pass
5290	5296.7	1	1	5290.429	-24.33	-36.20	MIMO	-18.77	-30.64	-24.15	Pass

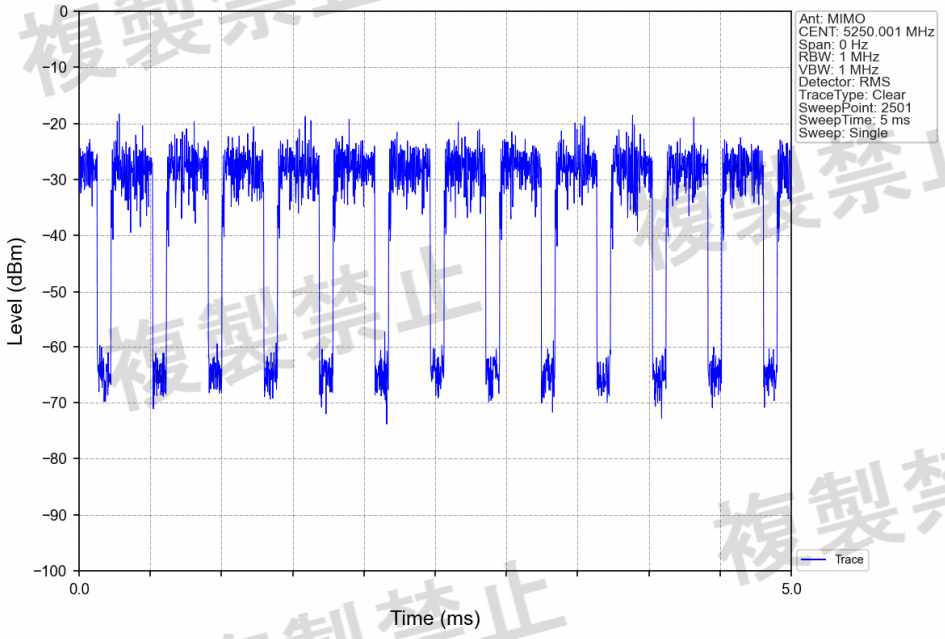
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



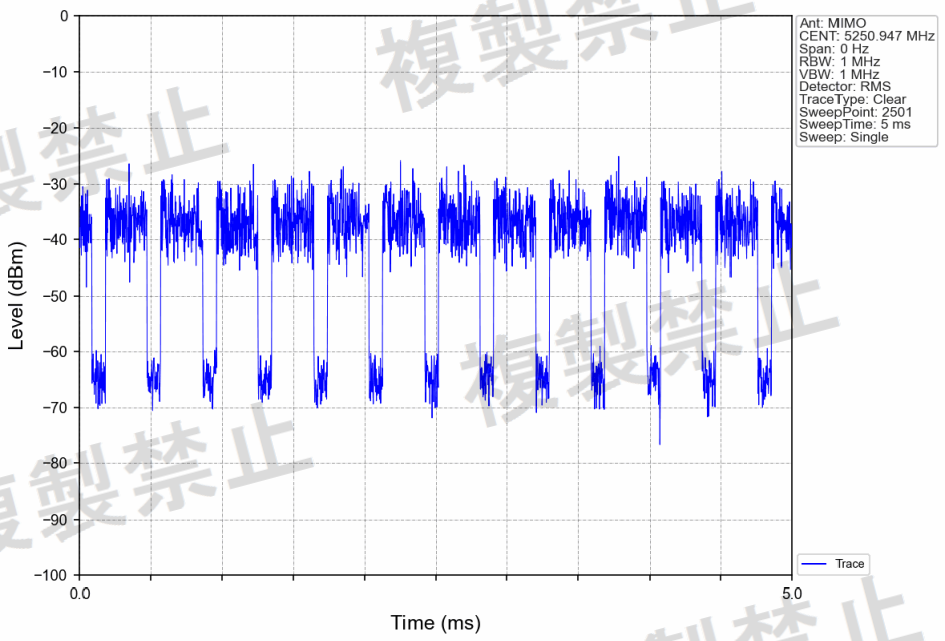
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



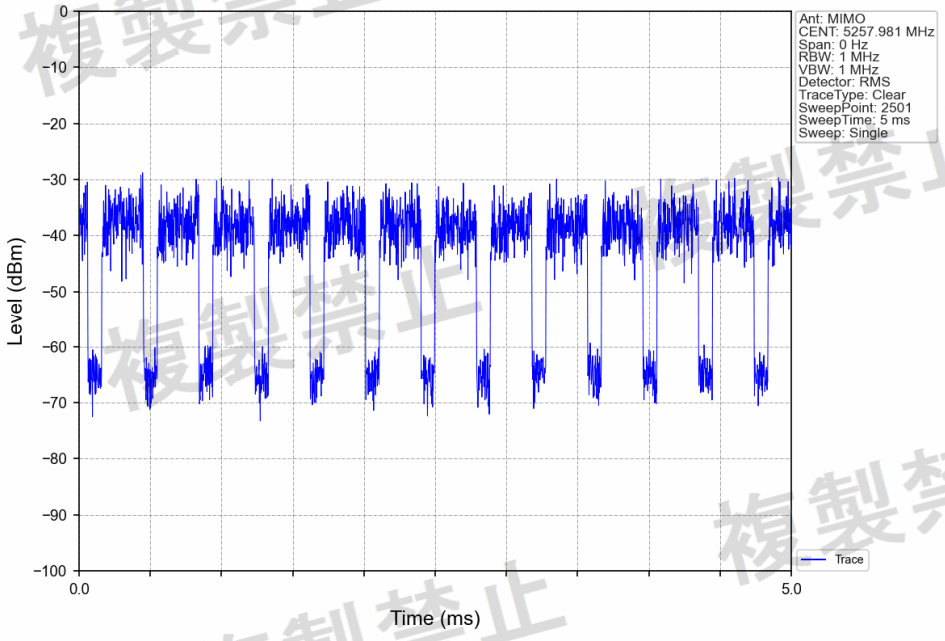
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



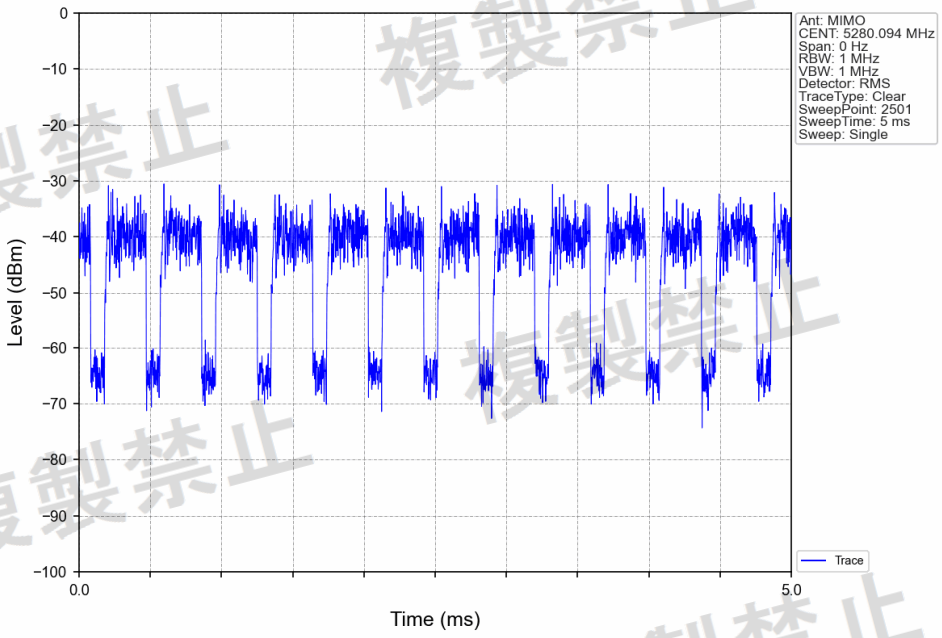
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



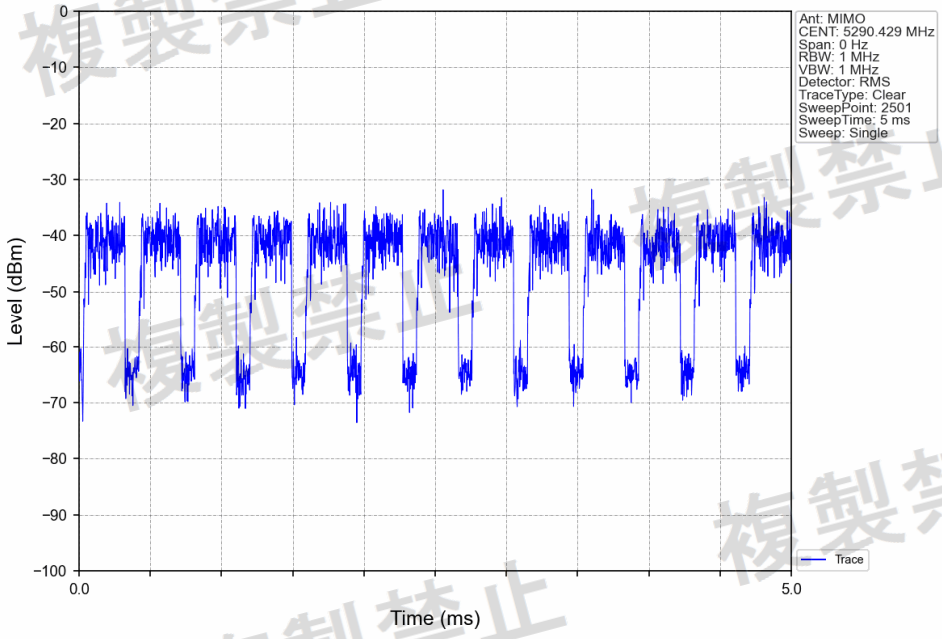
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



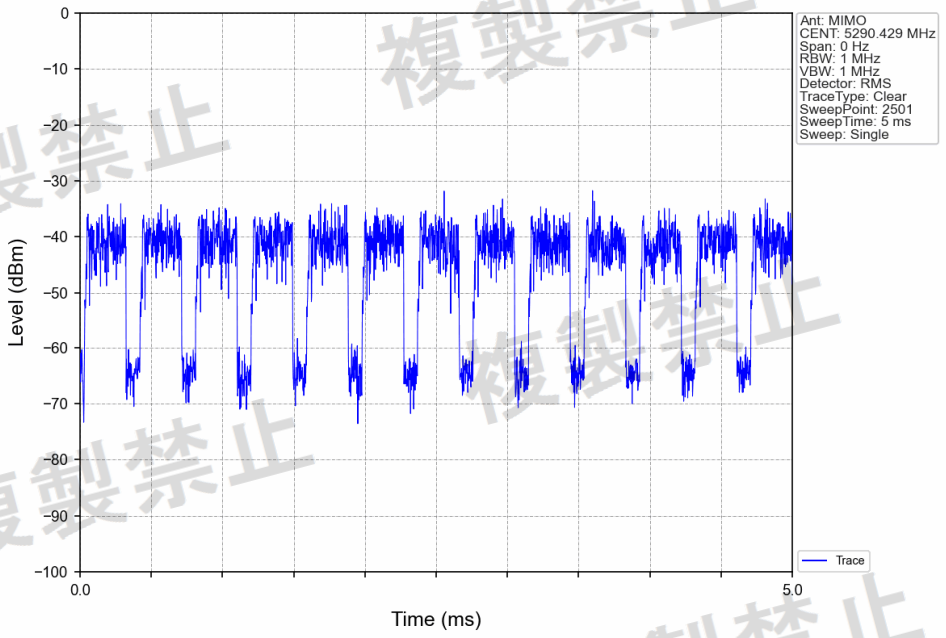
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



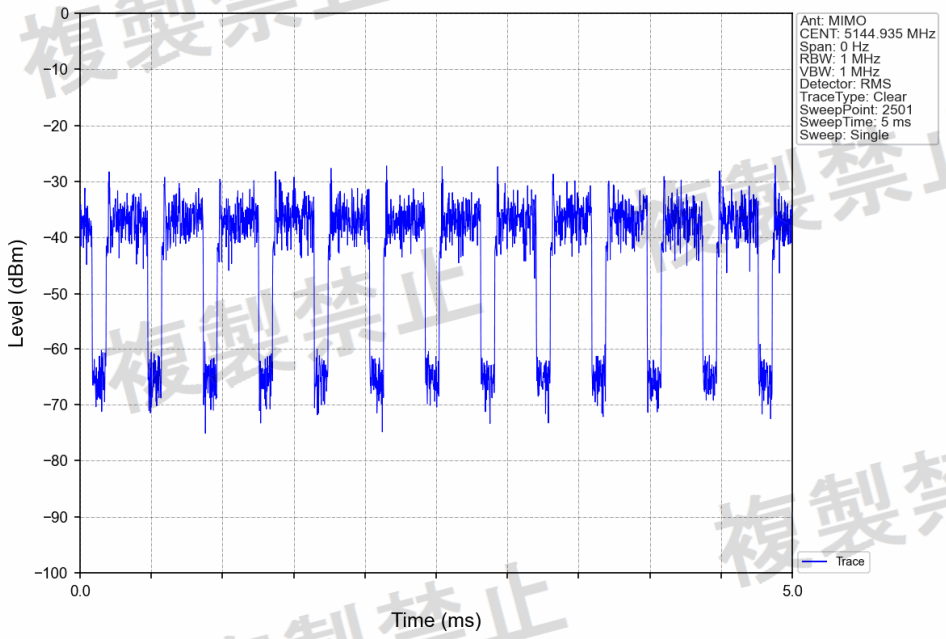
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



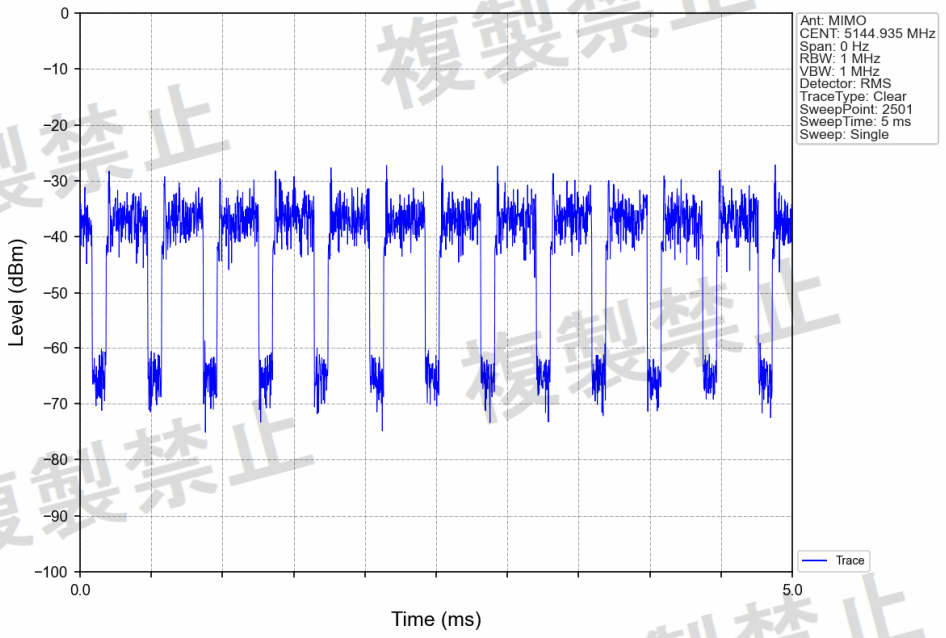
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



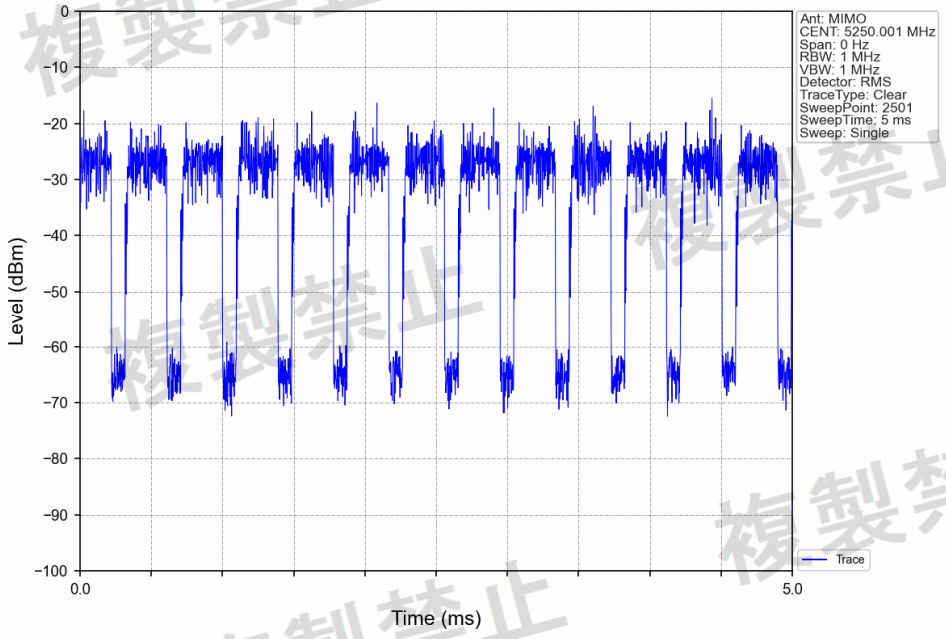
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



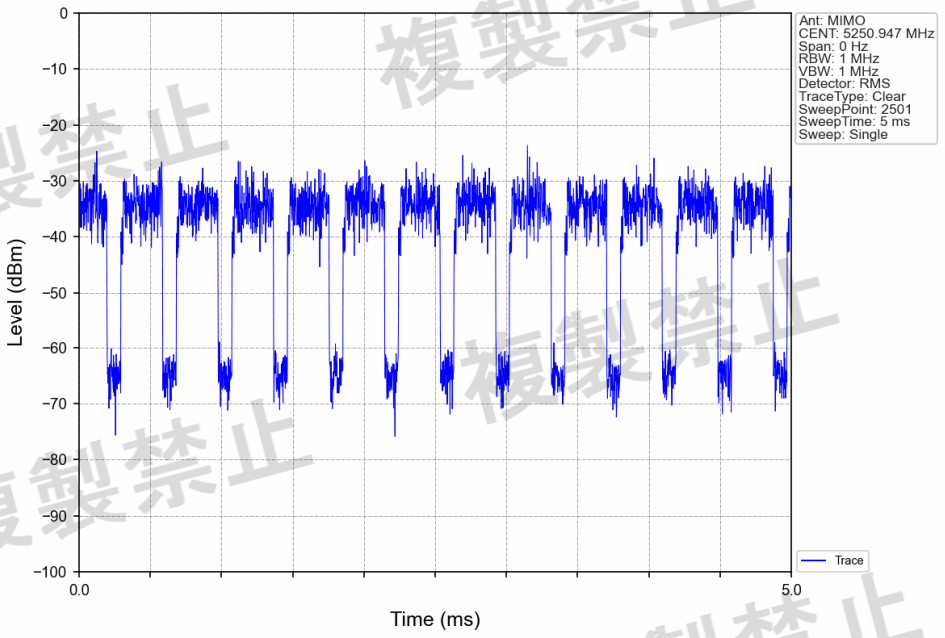
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



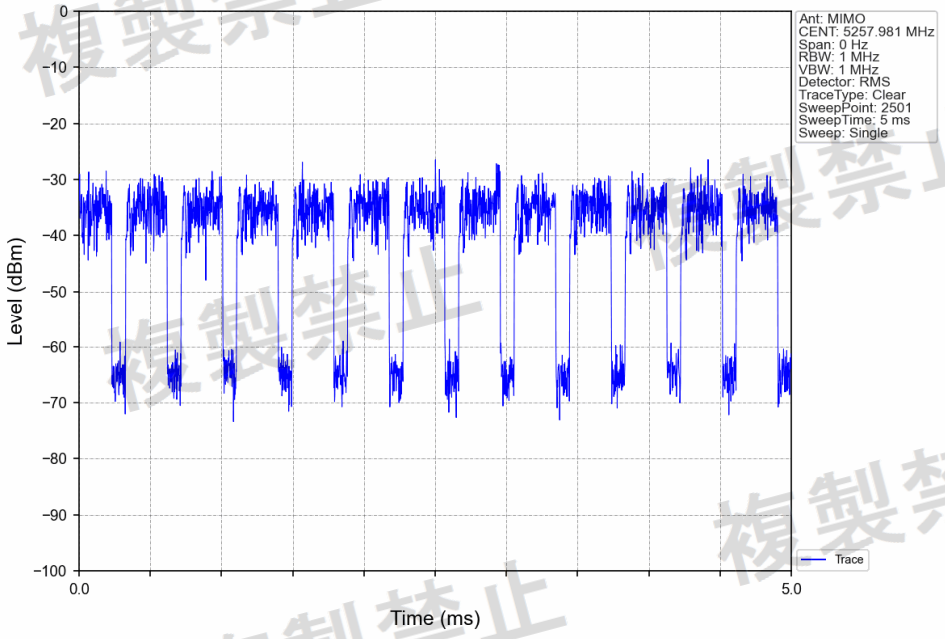
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



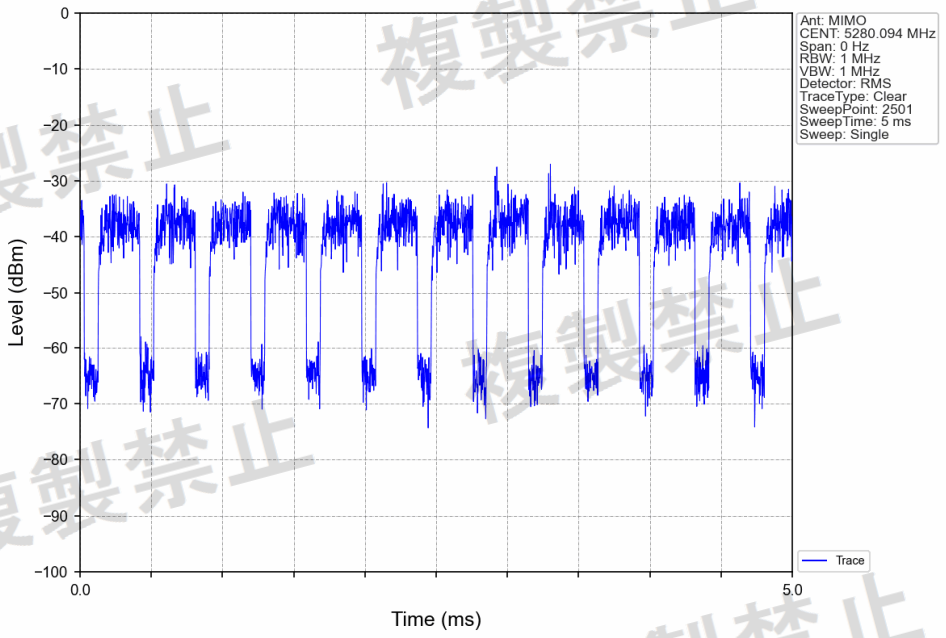
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



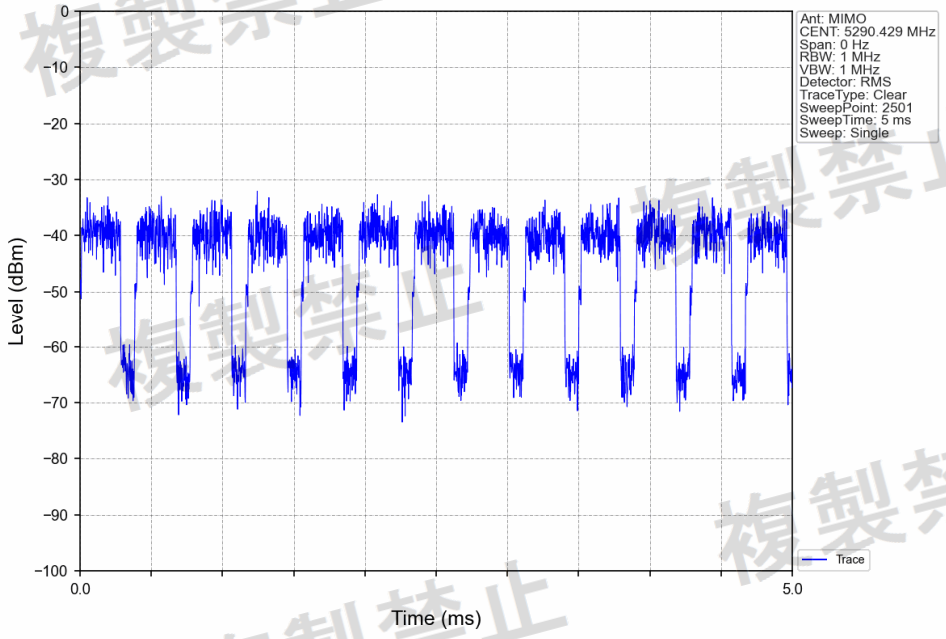
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



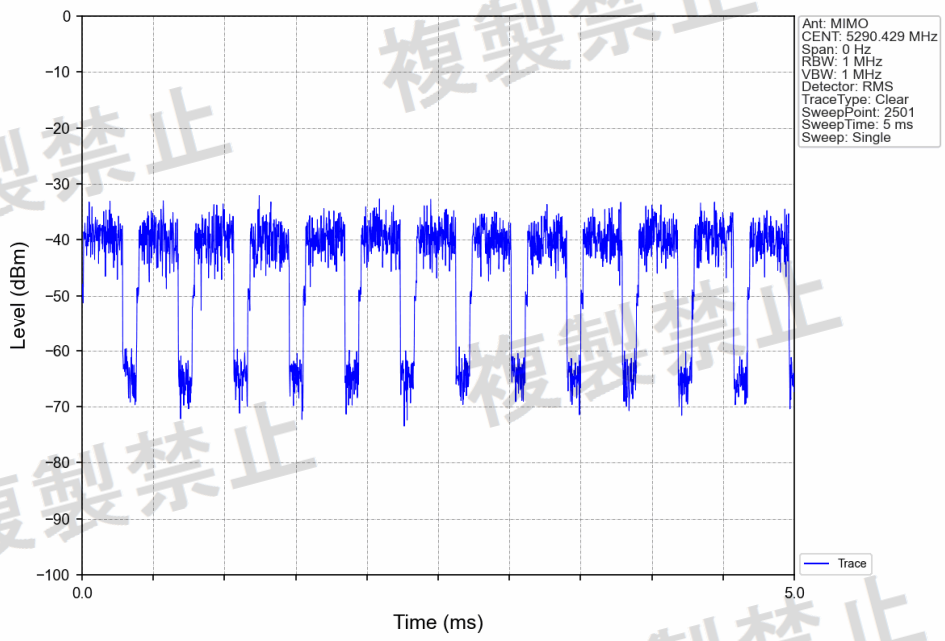
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



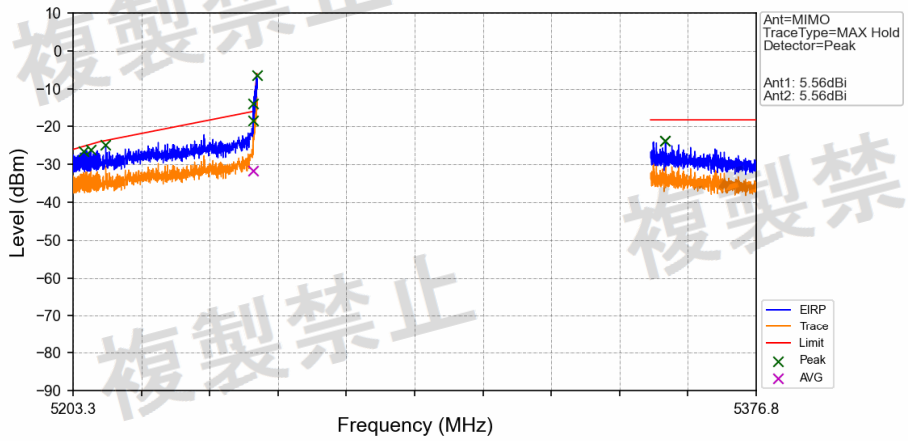
802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_ / _MIMO_NTNV

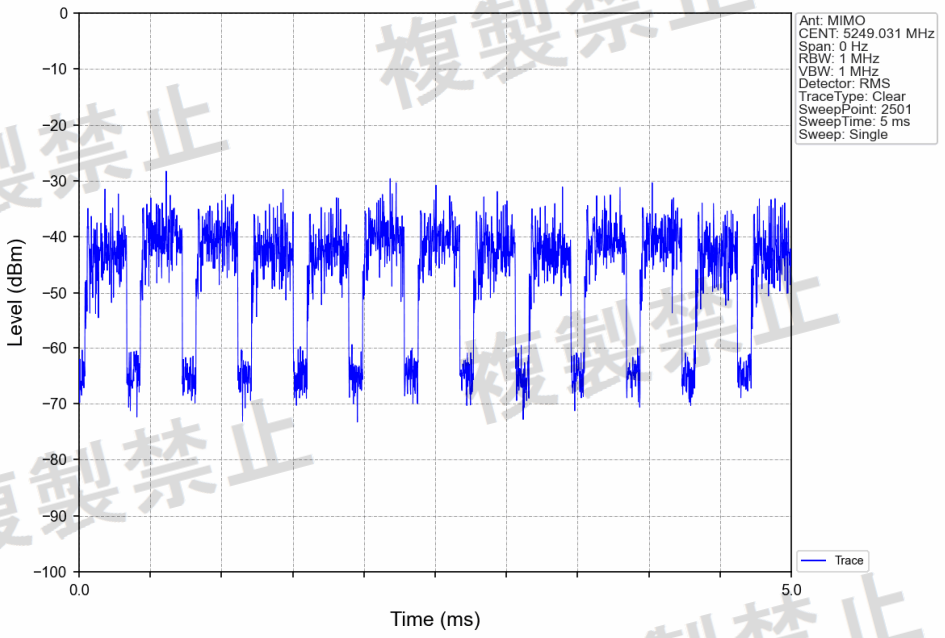


802.11ax(HEW80)_MCH_5290MHz_SU_ / _MIMO_NTNV

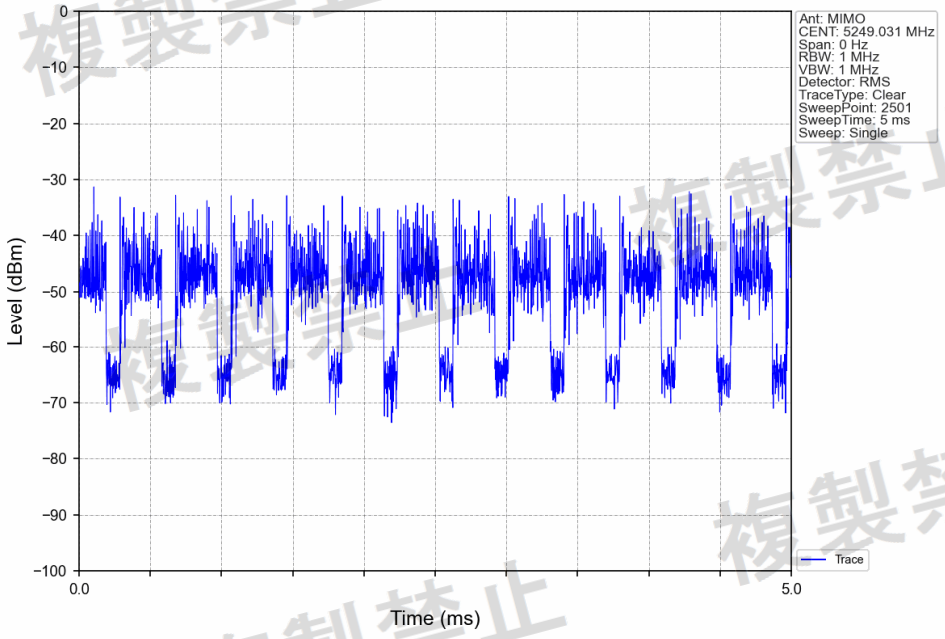


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5203.3	5210	1	1	5205.973	-32.14	/	MIMO	-26.57	/	-25.23	Pass
5203.3	5210	1	1	5207.863	-31.58	/	MIMO	-26.03	/	-24.66	Pass
5210	5249	1	1	5211.599	-30.42	/	MIMO	-24.86	/	-23.69	Pass
5210	5249	1	1	5248.961	-24.05	/	MIMO	-18.49	/	-16.03	Pass
5249	5250	1	1	5249.031	-19.53	-37.21	MIMO	-13.97	-31.65	-15.71	Pass
5249	5250	1	1	5249.959	-12.06	/	MIMO	-6.50	/	-6.43	Pass
5350	5376.8	1	1	5353.725	-29.28	/	MIMO	-23.72	/	-18.24	Pass
5350	5376.8	1	1	5353.725	-29.28	/	MIMO	-23.72	/	-18.24	Pass

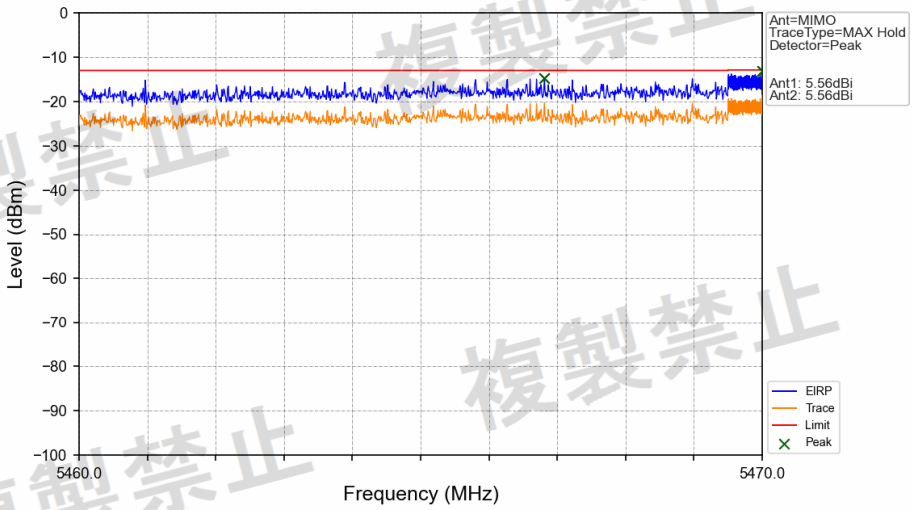
802.11ax(HEW80)_MCH_5290MHz_SU_ / _MIMO_NTNV



802.11ax(HEW80)_MCH_5290MHz_SU_ / _MIMO_NTNV

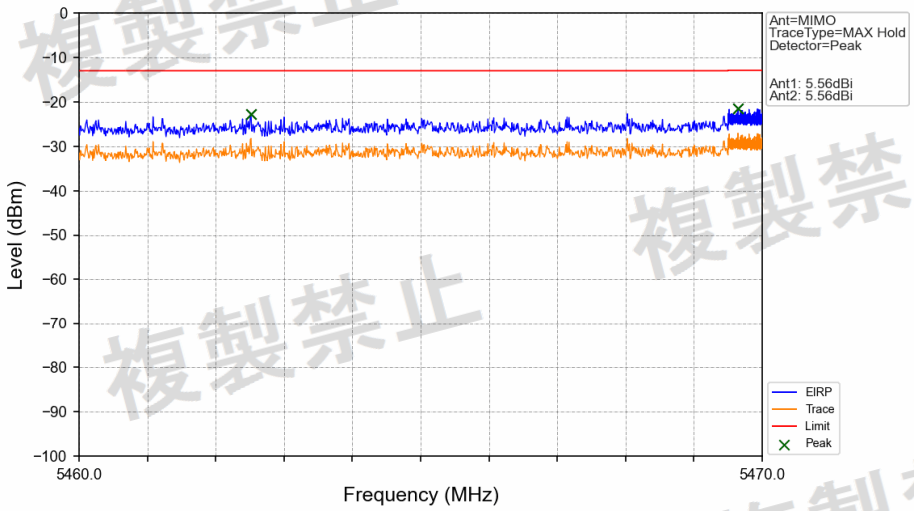


802.11ax(HEW80)_LCH_5530MHz_SU_ / _MIMO_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5469.5	1	1	5466.812	-20.26	/	MIMO	-14.70	/	-13.01	Pass
5460	5469.5	1	1	5466.812	-20.26	/	MIMO	-14.70	/	-13.01	Pass
5469.5	5470	1	1	5469.997	-18.60	/	MIMO	-13.03	/	-12.91	Pass
5469.5	5470	1	1	5469.997	-18.60	/	MIMO	-13.03	/	-12.91	Pass

802.11ax(HEW80)_HCH_5610MHz_SU_ / _MIMO_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5460	5469.5	1	1	5462.518	-28.26	/	MIMO	-22.70	/	-13.01	Pass
5460	5469.5	1	1	5462.518	-28.26	/	MIMO	-22.70	/	-13.01	Pass
5469.5	5470	1	1	5469.645	-27.09	/	MIMO	-21.52	/	-12.91	Pass
5469.5	5470	1	1	5469.645	-27.09	/	MIMO	-21.52	/	-12.91	Pass

6.8 Adjacent Channel Emitted Power

6.8.1 Test Requirement

Article 2-1-19-3.

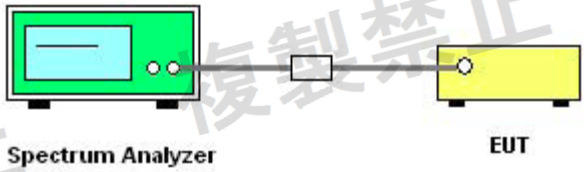
6.8.2 Limit

According to Article 2 Paragraph 1 of Item 19-3, for HT20, the average power radiated from the carrier frequency in a band of ± 10 MHz frequency apart 20MHz and 40MHz is a low value, respectively 25dB and 40dB higher than that of the carrier wave. For HT40, the average power radiated from the carrier frequency in a band of ± 20 MHz frequency apart 40MHz and 80MHz is a low value, respectively 25dB and 40dB higher than that of the carrier wave. For HT80, the average power radiated from the carrier frequency in a band of ± 40 MHz frequency apart 80MHz is a low value, respectively 25dB higher than that of the carrier wave.

6.8.3 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

6.8.4 Test Setup



6.8.5 Test Procedures

1. EUT have transmitted the maximum modulation signal and fixed Channelize;
2. Setting of SA is following as: RBW:1MHz / VBW:1MHz / Sweep time: Auto / Sweep Mode: Single / Sweep Count: 100/Detect mode: RMS / Trace mode: Average;
3. Using the Channel power function of SA, setting the Tx Channel bandwidth, Adjacent Channel bandwidth and Alternate Channel bandwidth as limit table;
4. Setting the limit line as the limit table, and turn on the limit function;
5. When the trace completed, compared with limits, and saved the plot;
6. Repeat above steps for applicable test frequencies, Channel bandwidths.

6.8.6 Test Result

Remark: Only record the worst case in report.

ANT 1:

W52:

Modulation	Channel	Test Mode	Frequency offset(MHz)	Power lecel		Limit(dBc)	Test Result
				Lower	Upper		
802.11a	Low	Transmitting	20	-29.98	-32.60	-25.00	PASS
			40	-43.39	-46.41	-40.00	
	Middle	Transmitting	20	-33.35	-35.92	-25.00	PASS
			40	-47.79	-50.12	-40.00	
	High	Transmitting	20	-34.21	-36.16	-25.00	PASS
			40	-49.98	-50.89	-40.00	
802.11n-HT20	Low	Transmitting	20	-32.21	-34.06	-25.00	PASS
			40	-47.22	-49.72	-40.00	
	Middle	Transmitting	20	-32.22	-34.15	-25.00	PASS
			40	-47.06	-49.66	-40.00	
	High	Transmitting	20	-33.42	-34.78	-25.00	PASS
			40	-50.09	-51.22	-40.00	
802.11ac-VHT20	Low	Transmitting	20	-32.37	-34.28	-25.00	PASS
			40	-47.56	-49.92	-40.00	
	Middle	Transmitting	20	-32.25	-34.52	-25.00	PASS
			40	-47.48	-50.10	-40.00	
	High	Transmitting	20	-32.99	34.54	-25.00	PASS
			40	-49.94	-51.15	-40.00	
802.11ax-HE20	Low	Transmitting	20	-27.60	-28.94	-25.00	PASS
			40	-43.51	-47.35	-40.00	
	Middle	Transmitting	20	-27.71	-28.99	-25.00	PASS
			40	-44.13	-48.06	-40.00	
	High	Transmitting	20	-28.53	-28.93	-25.00	PASS
			40	-48.32	-50.72	-40.00	
802.11n-HT40	Low	Transmitting	40	-30.42	-32.65	-25.00	PASS
			80	-39.95	-44.73	-40.00	
	High	Transmitting	40	-31.79	-32.57	-25.00	PASS
			80	-42.15	-46.09	-40.00	
802.11ac-VHT40	Low	Transmitting	40	-30.43	-32.76	-25.00	PASS
			80	-40.02	-44.80	-40.00	

	High	Transmitting	40	-31.06	-32.16	-25.00	PASS
			80	-41.13	-45.39	-40.00	
802.11ax-HE40	Low	Transmitting	40	-40.58	-41.22	-25.00	PASS
			80	-46.34	-45.30	-40.00	
	High	Transmitting	40	-40.01	-40.70	-25.00	PASS
			80	-46.35	-45.43	-40.00	
802.11ac-VHT80	Low	Transmitting	80	-29.99	-33.18	-25.00	PASS
802.11ax-HE80	Low	Transmitting	80	-38.83	-39.15	-25.00	PASS

W53:

Modulation	Channel	Test Mode	Frequency offset(MHz)	Power lecel		Limit(dBc)	Test Result
				Lower	Upper		
802.11a	Low	Transmitting	20	-35.82	-36.79	-25.00	PASS
			40	-51.55	-51.07	-40.00	
	Middle	Transmitting	20	-36.23	-36.75	-25.00	PASS
			40	-50.94	-50.73	-40.00	
	High	Transmitting	20	-35.01	-36.17	-25.00	PASS
			40	-50.36	-50.17	-40.00	
802.11n-HT20	Low	Transmitting	20	-34.58	-35.05	-25.00	PASS
			40	-51.66	-51.19	-40.00	
	Middle	Transmitting	20	-34.97	-35.03	-25.00	PASS
			40	-50.95	-50.75	-40.00	
	High	Transmitting	20	-33.66	-34.13	-25.00	PASS
			40	-49.89	-49.90	-40.00	
802.11ac-VHT20	Low	Transmitting	20	-34.77	-34.84	-25.00	PASS
			40	-51.68	-51.19	-40.00	
	Middle	Transmitting	20	-34.29	-34.70	-25.00	PASS
			40	-50.54	-50.46	-40.00	
	High	Transmitting	20	-33.52	-34.27	-25.00	PASS
			40	-49.74	-49.87	-40.00	
802.11ax-HE20	Low	Transmitting	20	-29.59	-29.24	-25.00	PASS
			40	-51.79	-51.28	-40.00	
	Middle	Transmitting	20	-29.20	-29.34	-25.00	PASS
			40	-51.31	-51.05	-40.00	
	High	Transmitting	20	-38.81	-29.21	-25.00	PASS
			40	-50.51	-50.71	-40.00	
802.11n-HT40	Low	Transmitting	40	-38.70	-41.77	-25.00	PASS
			80	-49.11	-48.82	-40.00	
	High	Transmitting	40	-37.74	-41.06	-25.00	PASS
			80	-49.73	-49.36	-40.00	
802.11ac-VHT40	Low	Transmitting	40	-40.21	-42.10	-25.00	PASS
			80	-49.47	-49.09	-40.00	
	High	Transmitting	40	-37.66	-40.99	-25.00	PASS
			80	-49.76	-49.37	-40.00	
802.11ax-HE40	Low	Transmitting	40	-40.75	-40.40	-25.00	PASS
			80	-45.77	-45.19	-40.00	

	High	Transmitting	40	-40.36	-40.39	-25.00	PASS
			80	-46.44	-46.15	-40.00	
802.11ac-VHT80	Low	Transmitting	80	-32.16	-34.29	-25.00	PASS
802.11ax-HE80	Low	Transmitting	80	-38.82	-38.79	-25.00	PASS

W56:

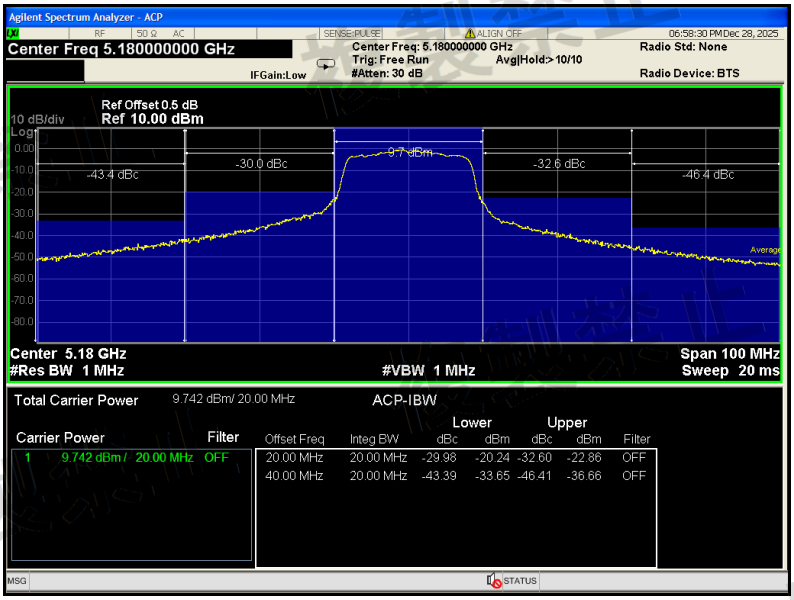
Modulation	Channel	Test Mode	Frequency offset(MHz)	Power lecel		Limit(dBc)	Test Result
				Lower	Upper		
802.11a	Low	Transmitting	20	-33.30	-34.58	-25.00	PASS
			40	-50.32	-51.27	-40.00	
	Middle	Transmitting	20	-32.87	-34.08	-25.00	PASS
			40	-49.77	-51.25	-40.00	
	High	Transmitting	20	-30.66	-31.30	-25.00	PASS
			40	-43.77	-45.13	-40.00	
802.11n-HT20	Low	Transmitting	20	-32.03	-33.29	-25.00	PASS
			40	-49.45	-50.18	-40.00	
	Middle	Transmitting	20	-31.76	-32.81	-25.00	PASS
			40	-49.53	-51.35	-40.00	
	High	Transmitting	20	-30.35	-30.71	-25.00	PASS
			40	-43.39	-45.15	-40.00	
802.11ac-VHT20	Low	Transmitting	20	-32.07	-32.89	-25.00	PASS
			40	-49.78	-50.70	-40.00	
	Middle	Transmitting	20	-31.83	-33.01	-25.00	PASS
			40	-49.80	-51.45	-40.00	
	High	Transmitting	20	-30.21	-30.55	-25.00	PASS
			40	-43.50	-45.30	-40.00	
802.11ax-HE20	Low	Transmitting	20	-27.37	-27.72	-25.00	PASS
			40	-41.64	-42.10	-40.00	
	Middle	Transmitting	20	-27.34	-27.81	-25.00	PASS
			40	-42.09	-43.34	-40.00	
	High	Transmitting	20	-27.41	-28.73	-25.00	PASS
			40	-43.90	-45.96	-40.00	
802.11n-HT40	Low	Transmitting	40	-29.65	-30.38	-25.00	PASS
			80	-42.10	-41.92	-40.00	
	Middle	Transmitting	40	-31.86	-31.87	-25.00	PASS
			80	-46.07	-48.38	-40.00	
	High	Transmitting	40	-29.94	-28.80	-25.00	PASS
			80	-40.56	-43.00	-40.00	
802.11ac-VHT40	Low	Transmitting	40	-31.61	-31.57	-25.00	PASS
			80	-46.23	-47.21	-40.00	
	Middle	Transmitting	40	-31.41	-31.82	-25.00	PASS
			80	-46.23	-47.97	-40.00	

	High	Transmitting	40	-28.98	-29.17	-25.00	PASS
			80	-42.00	-45.31	-40.00	
802.11ax-HE40	Low	Transmitting	40	-38.31	-38.83	-25.00	PASS
			80	-48.49	-47.25	-40.00	
	Middle	Transmitting	40	-38.70	-39.82	-25.00	PASS
			80	-48.34	-47.21	-40.00	
	High	Transmitting	40	-37.50	-38.31	-25.00	PASS
			80	-47.69	-47.54	-40.00	
802.11ac-VHT80	Low	Transmitting	80	-30.16	-29.47	-25.00	PASS
	High	Transmitting	80	-28.57	-29.21	-25.00	PASS
802.11ax-HE80	Low	Transmitting	80	-39.29	-37.87	-25.00	PASS
	High	Transmitting	80	-38.23	-38.77	-25.00	PASS

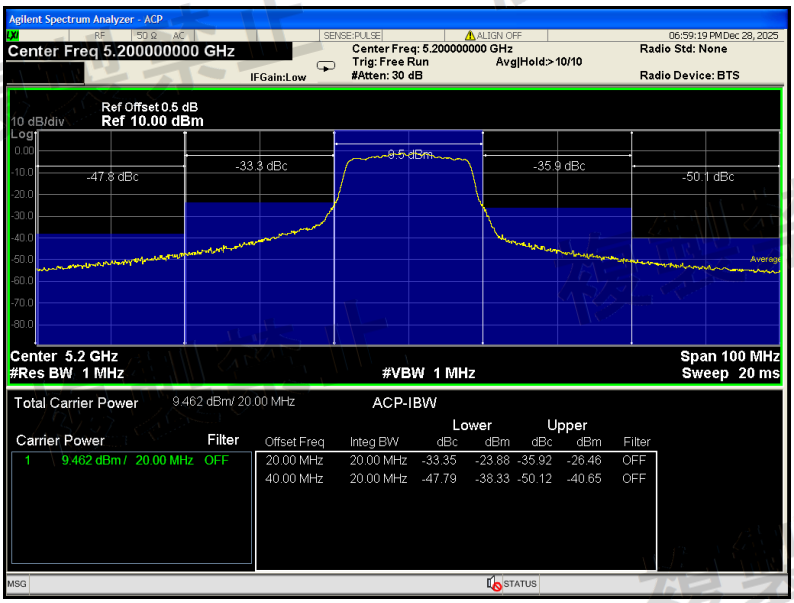
Test Plots

ANT 1:

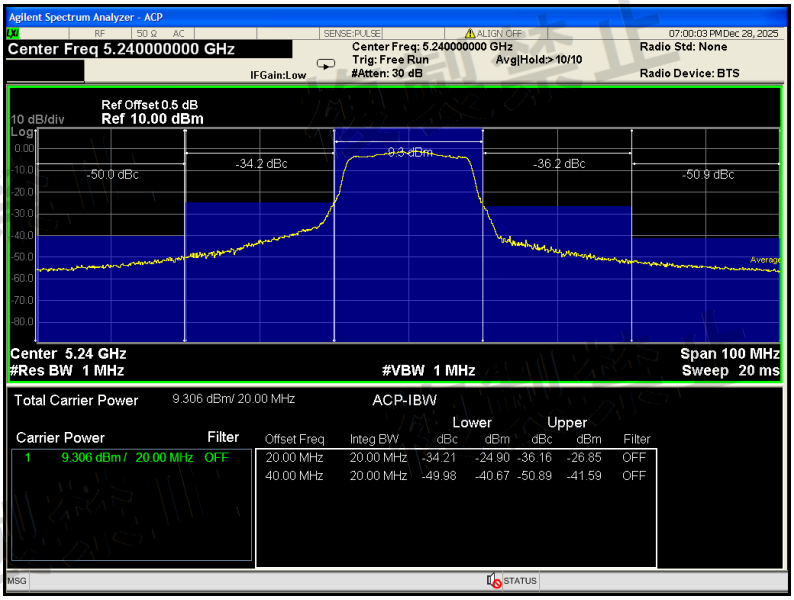
W52 802.11a Low channel



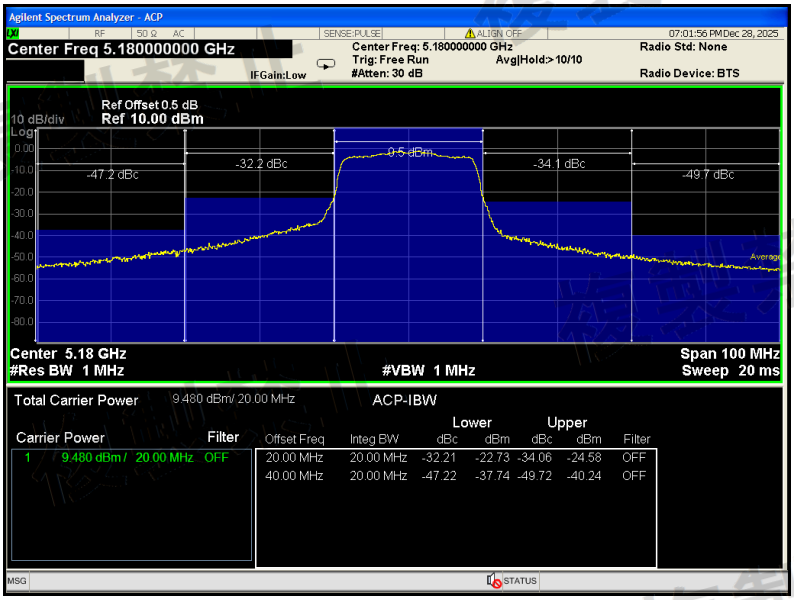
W52 802.11a Middle channel



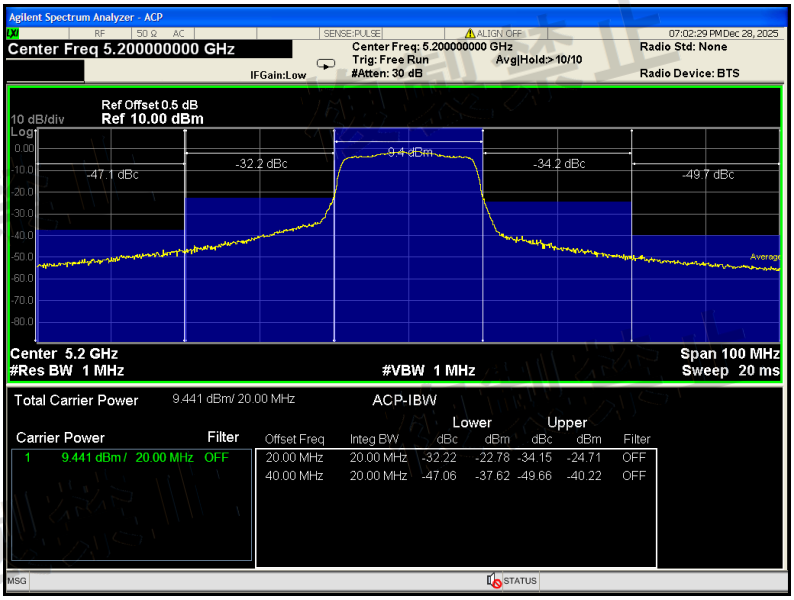
W52 802.11a High channel



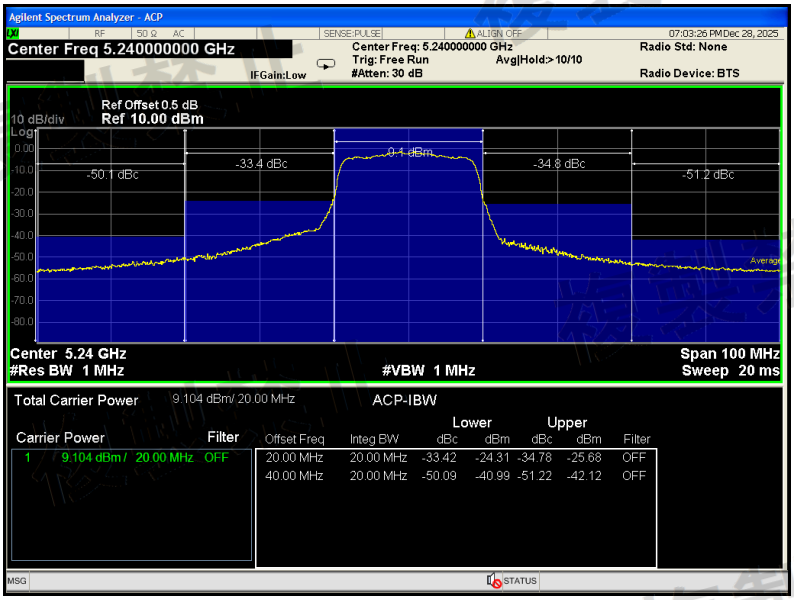
W52 802.11n-HT20 Low channel



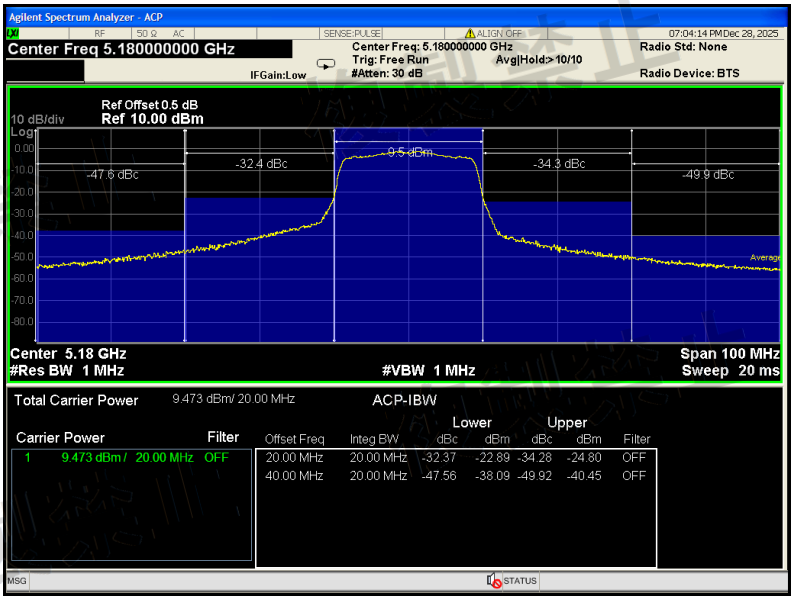
W52 802.11n-HT20 Middle channel



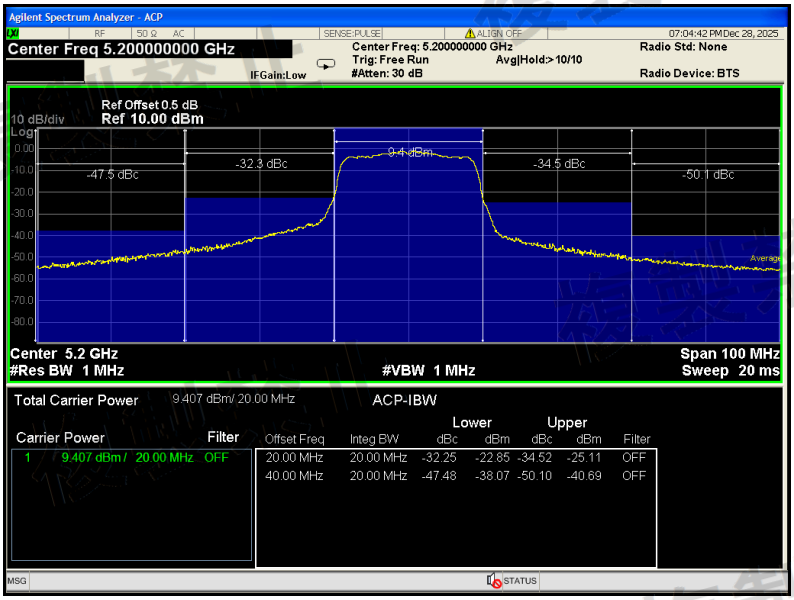
W52 802.11n-HT20 High channel



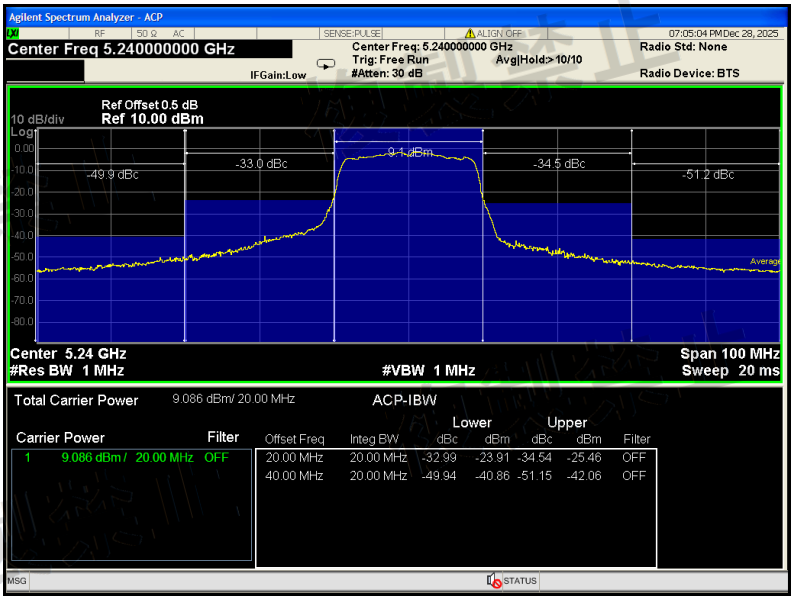
W52 802.11ac-HT20 Low channel



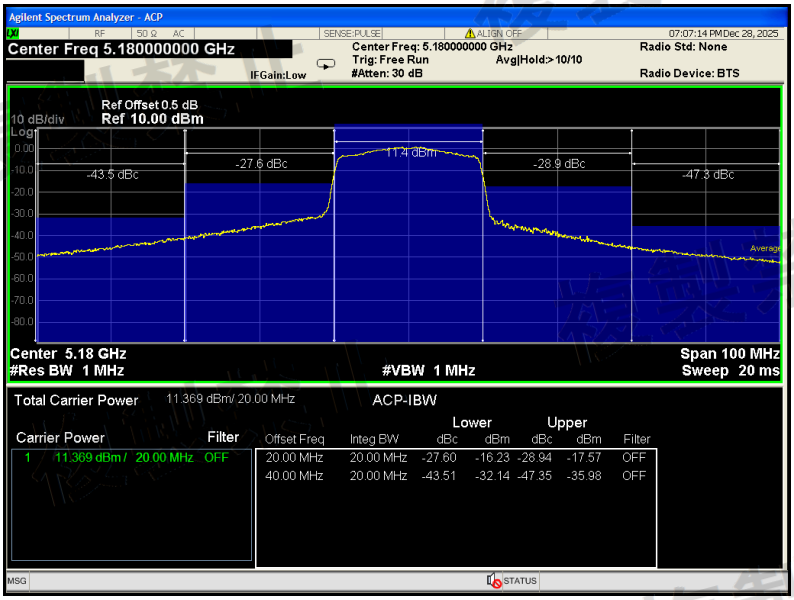
W52 802.11ac-HT20 Middle channel



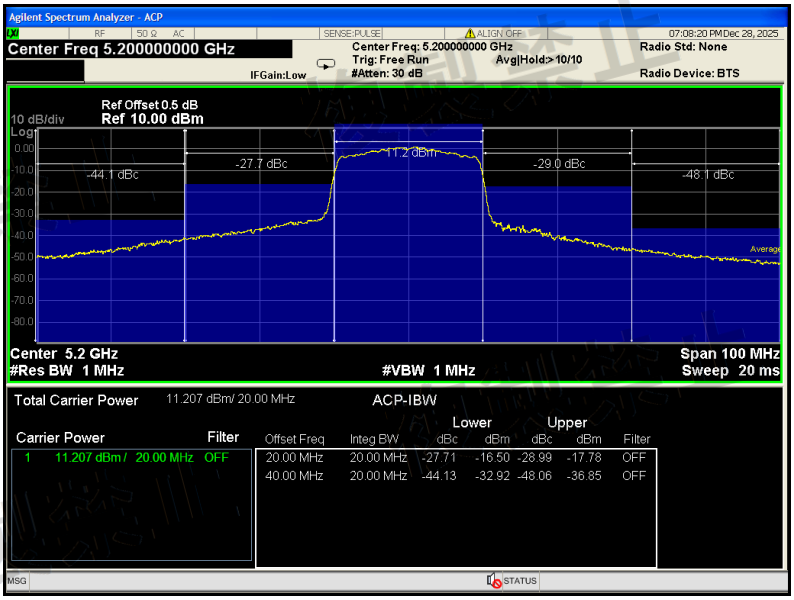
W52 802.11ac-HT20 High channel



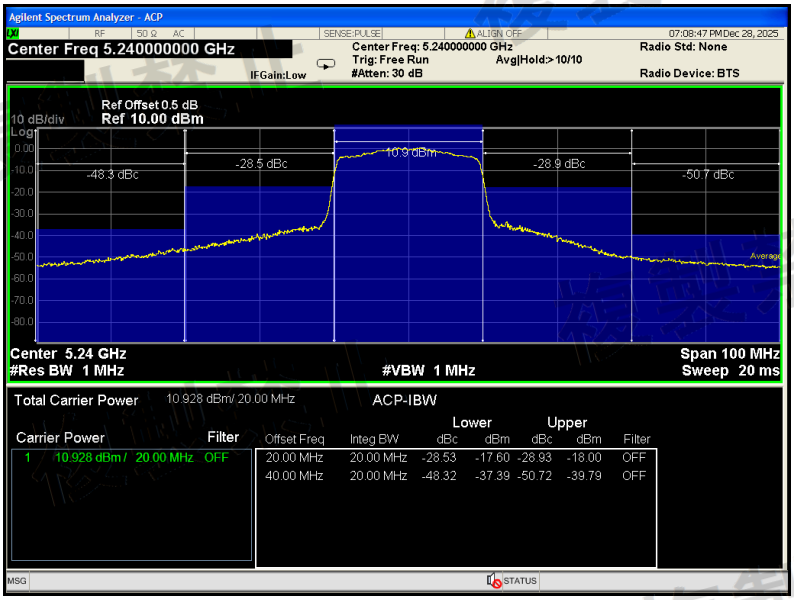
W52 802.11ax-HE20 Low channel



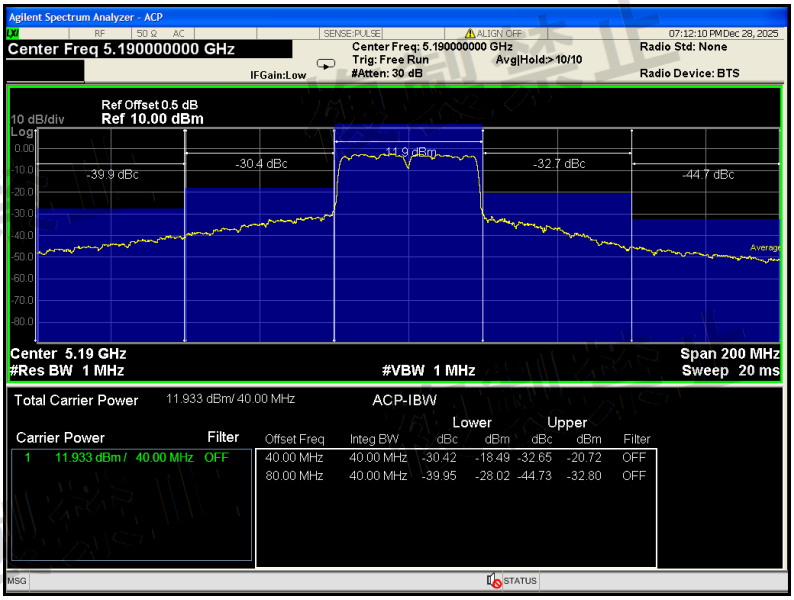
W52 802.11ax-HE20 Middle channel



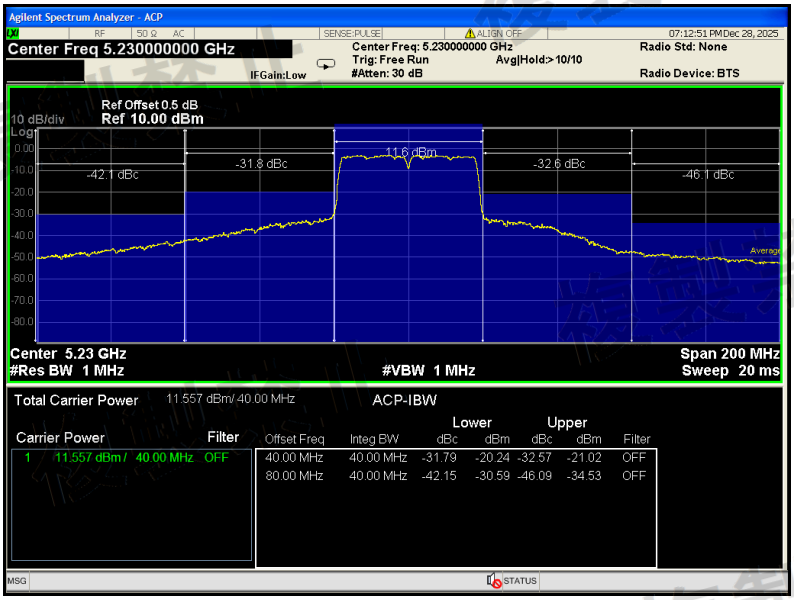
W52 802.11ax-HE20 High channel



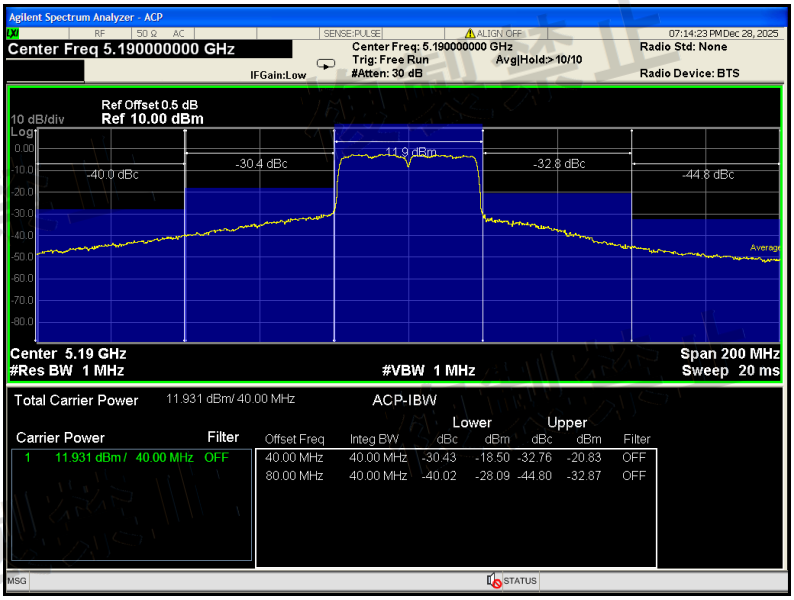
W52 802.11n-HT40 Low channel



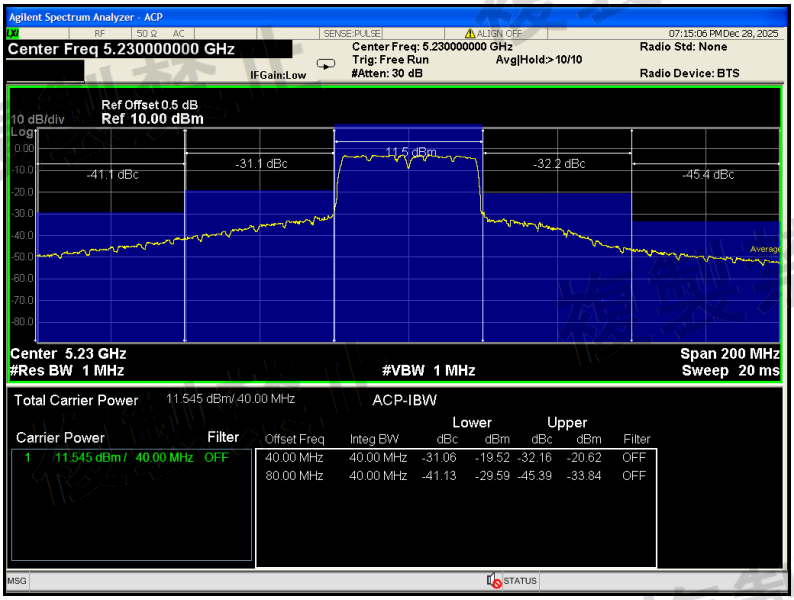
W52 802.11n-HT40 High channel



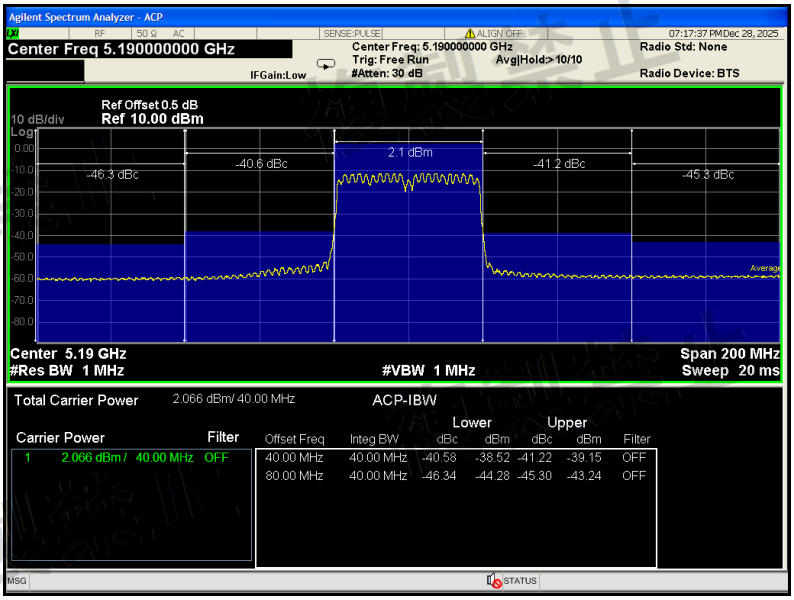
W52 802.11ac-HT40 Low channel



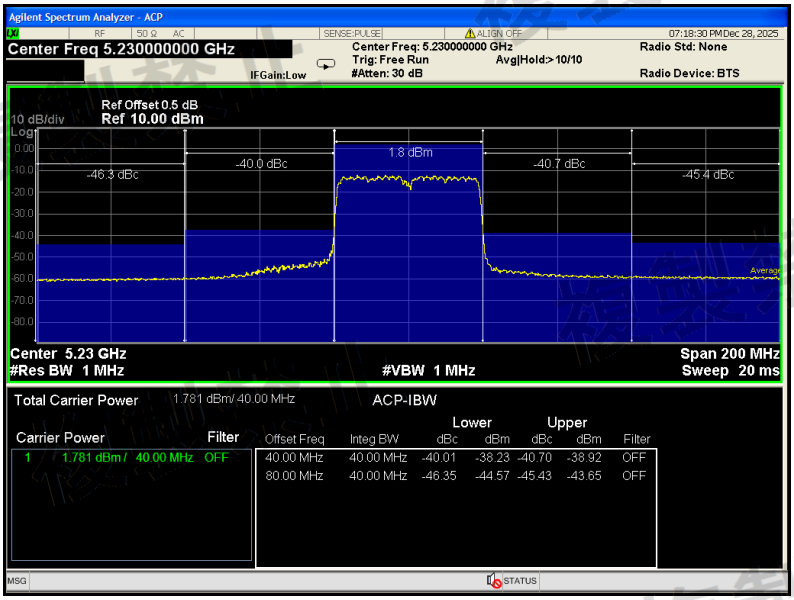
W52 802.11ac-HT40 High channel



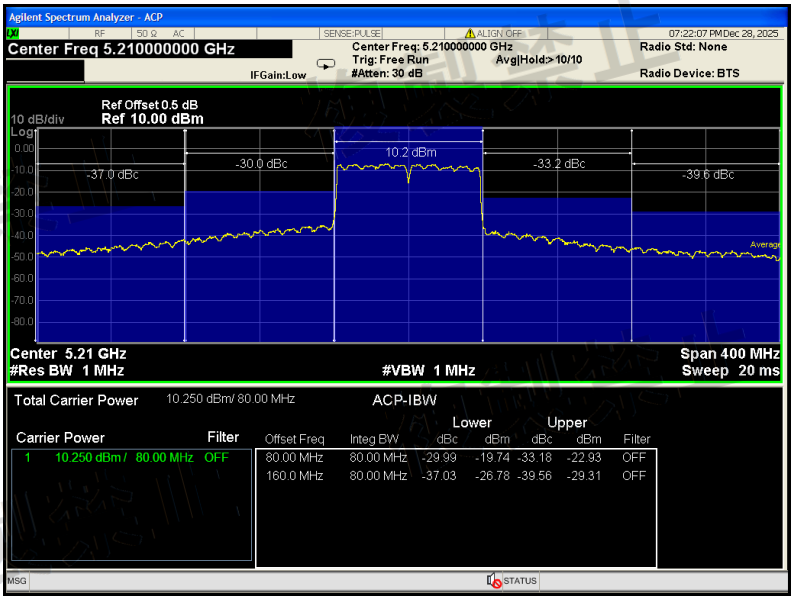
W52 802.11ax-HE40 Low channel



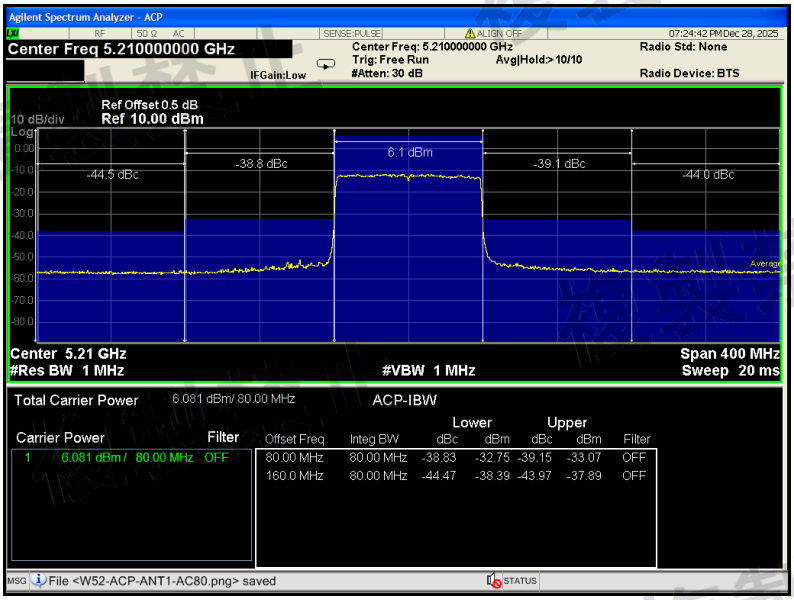
W52 802.11ax-HE40 High channel



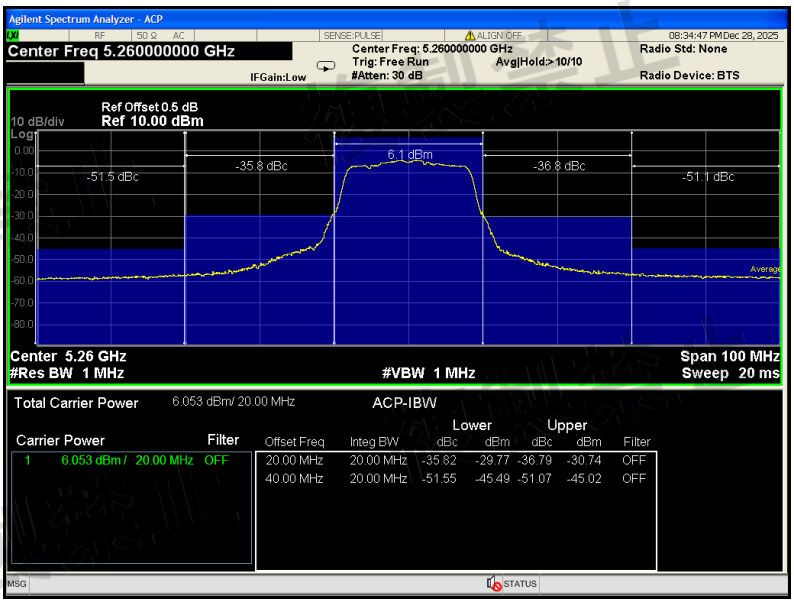
W52 802.11ac-HT80 Low channel



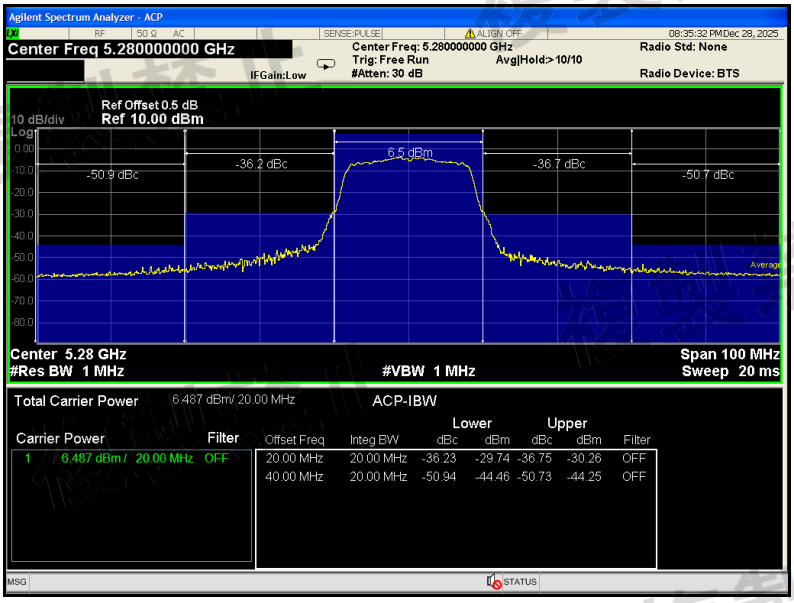
W52 802.11ax-HE80 Low channel



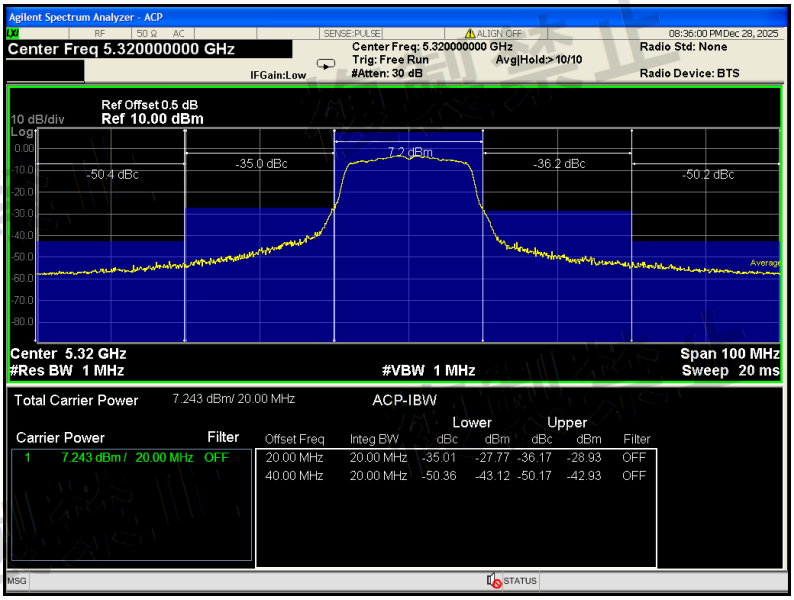
W53 802.11a Low channel



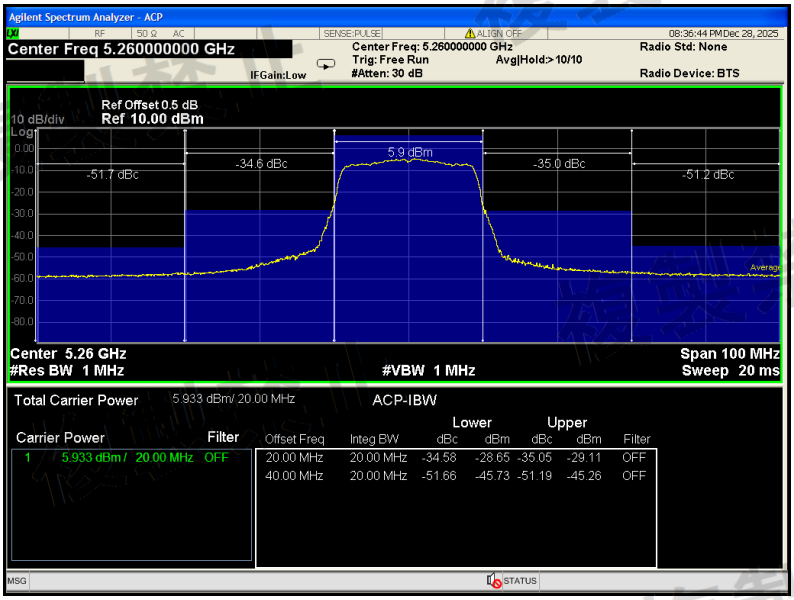
W53 802.11a Middle channel



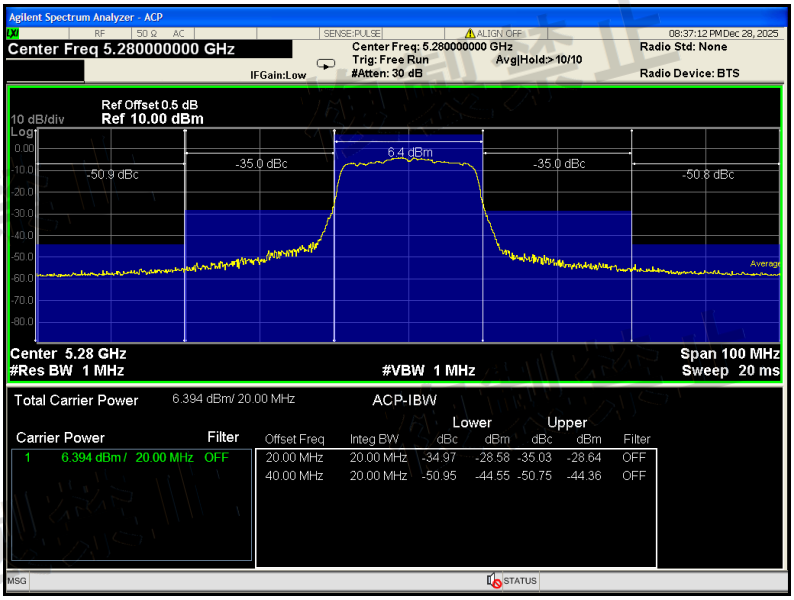
W53 802.11a High channel



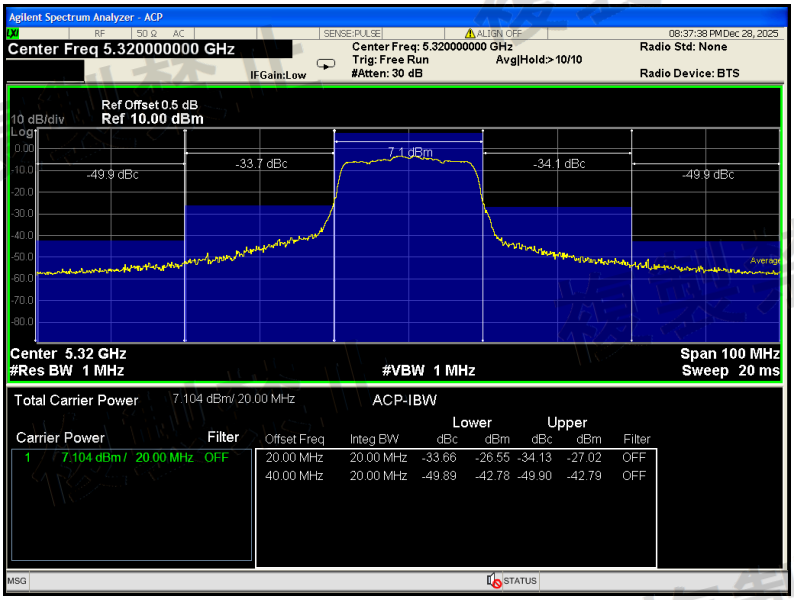
W53 802.11n-HT20 Low channel



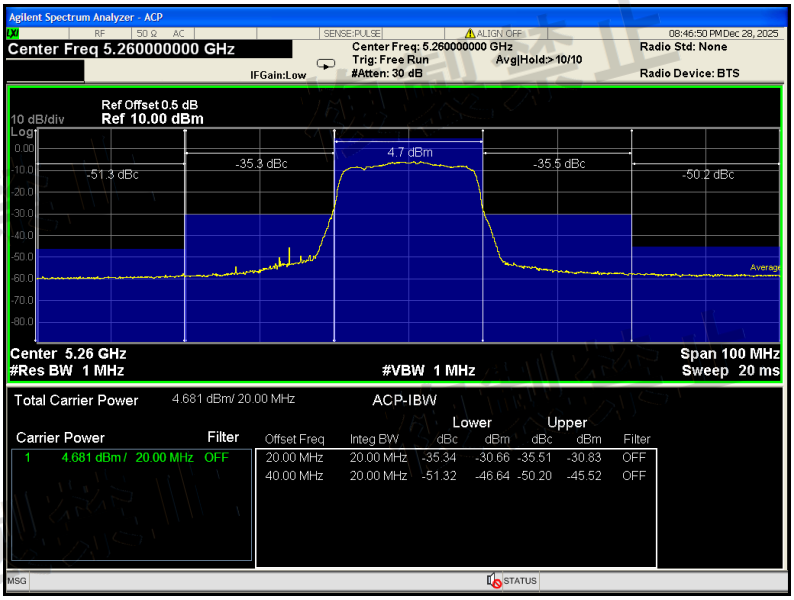
W53 802.11n-HT20 Middle channel



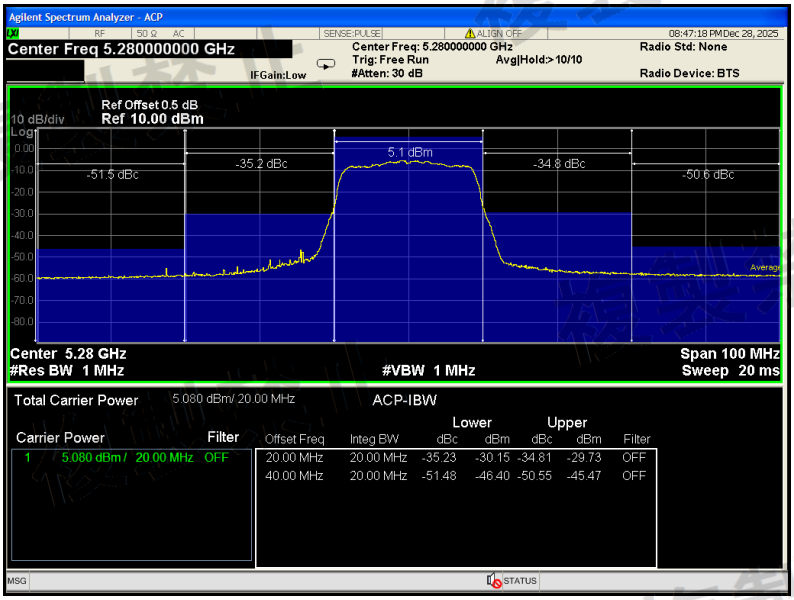
W53 802.11n-HT20 High channel



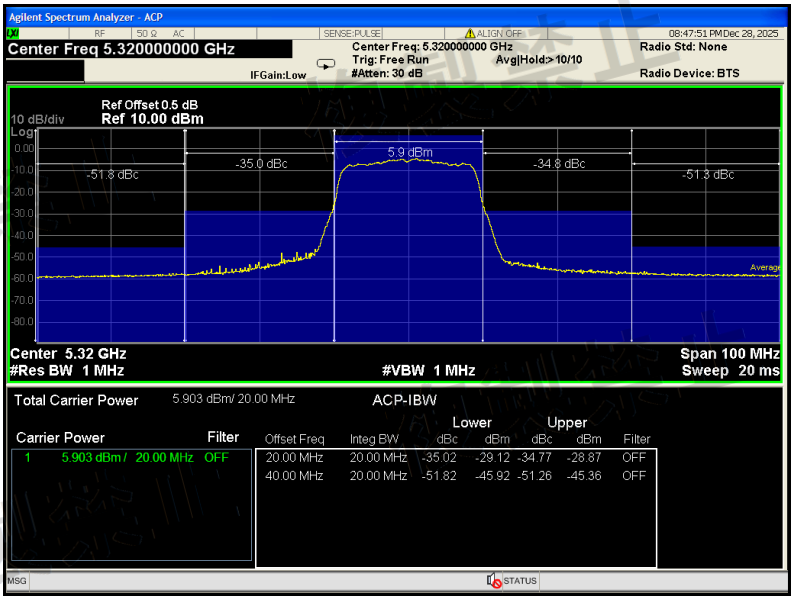
W53 802.11ac-HT20 Low channel



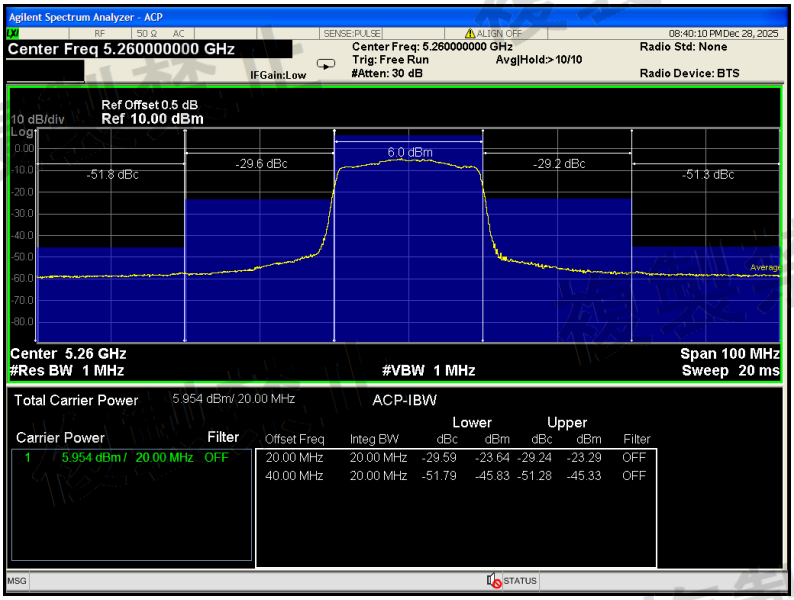
W53 802.11ac-HT20 Middle channel



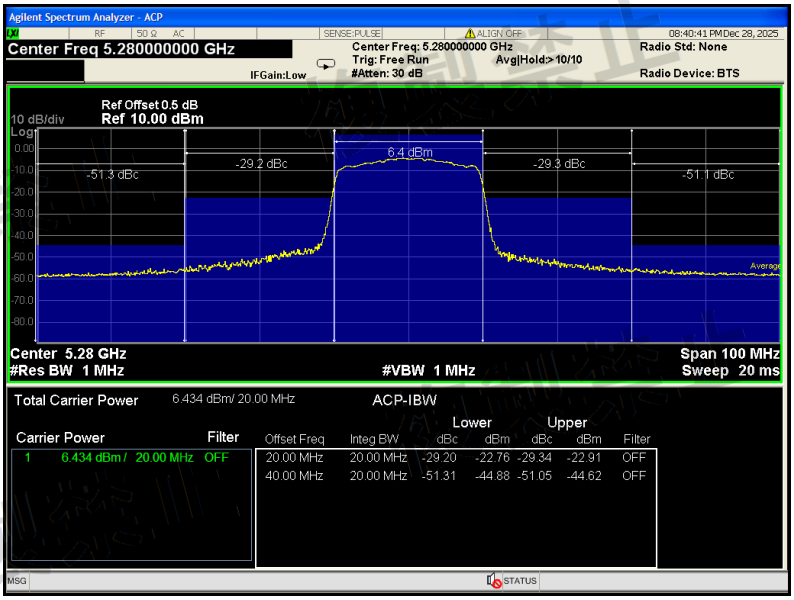
W53 802.11ac-HT20 High channel



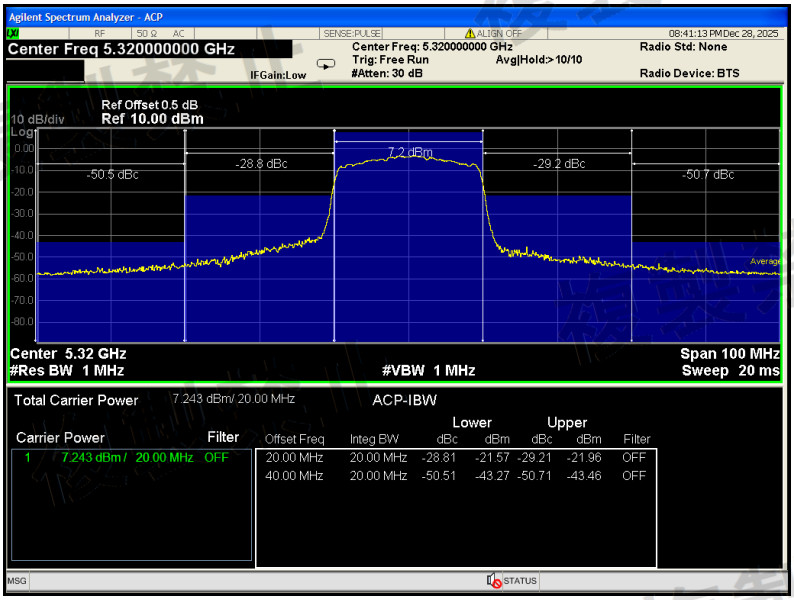
W53 802.11ax-HE20 Low channel



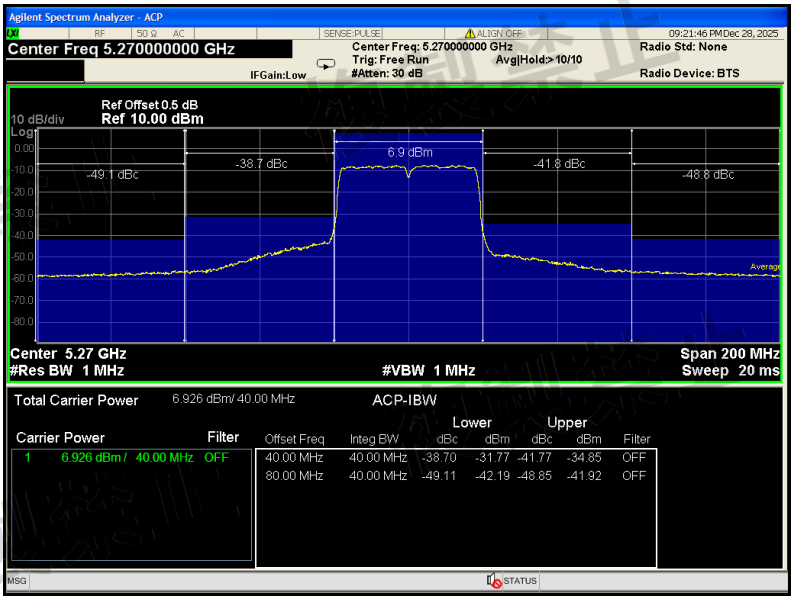
W53 802.11ax-HE20 Middle channel



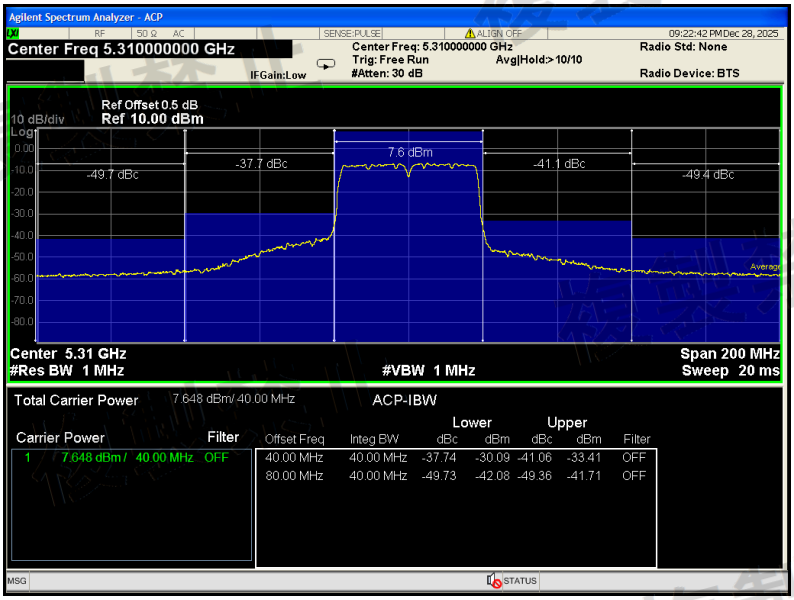
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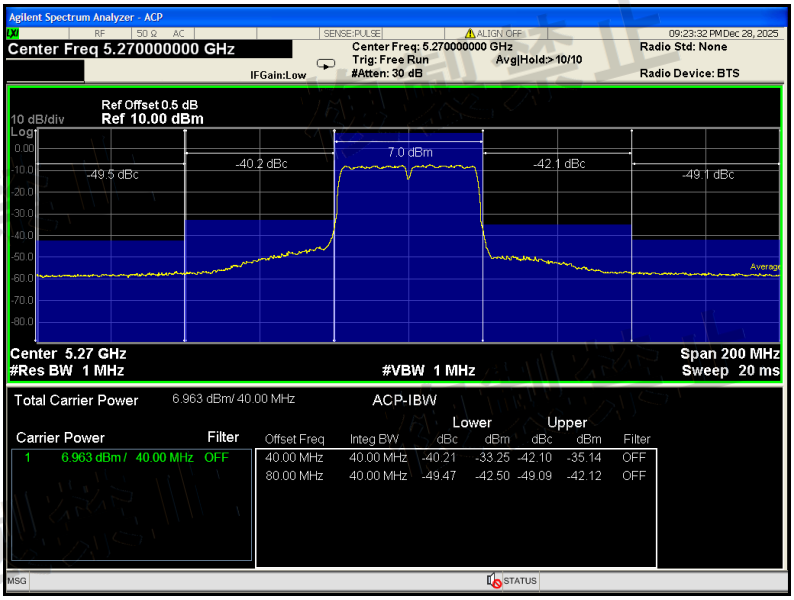
W53 802.11n-HT40 Low channel



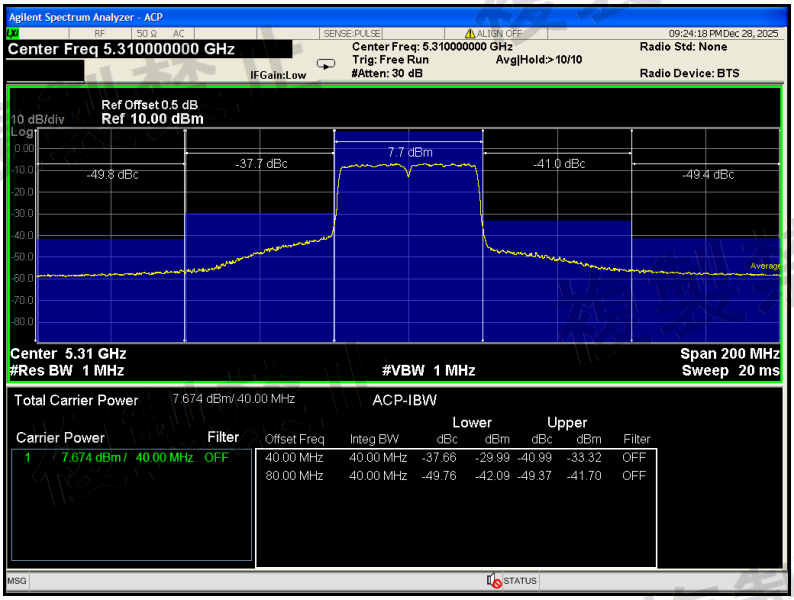
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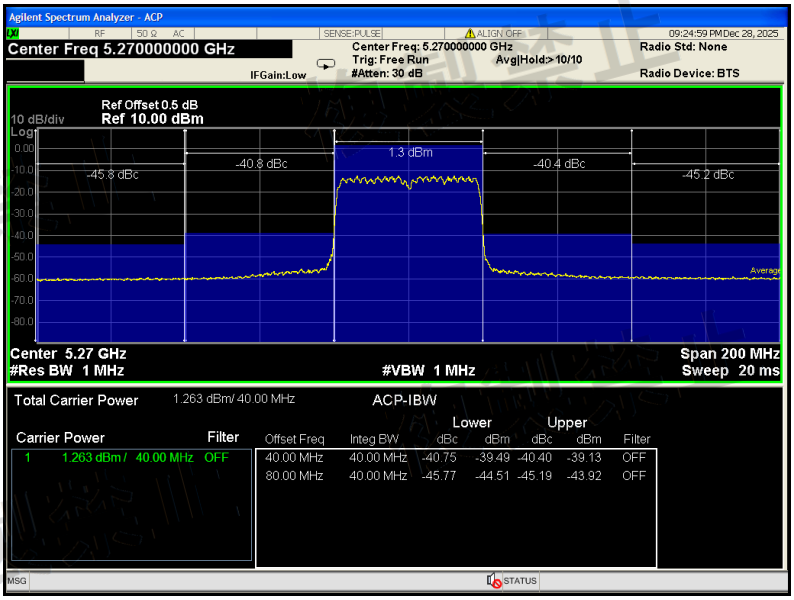
W53 802.11ac-HT40 Low channel



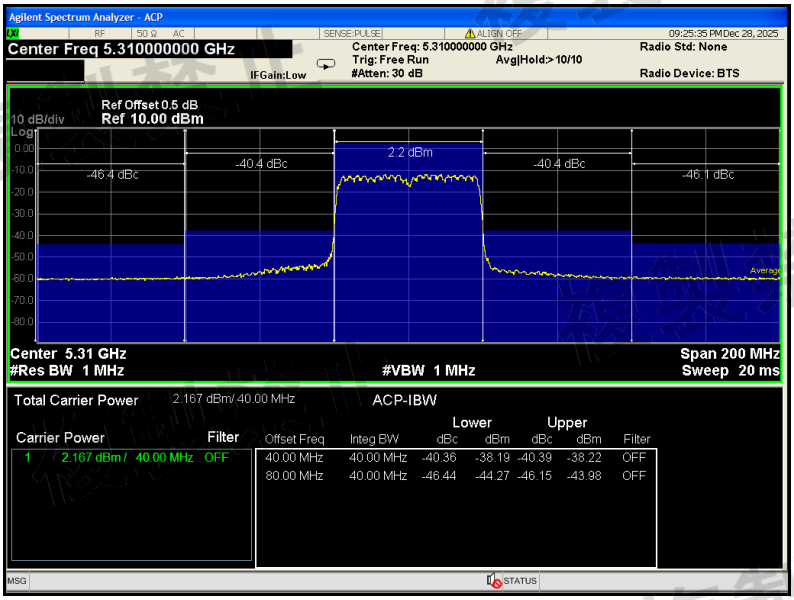
W53 802.11ac-HT40 High channel



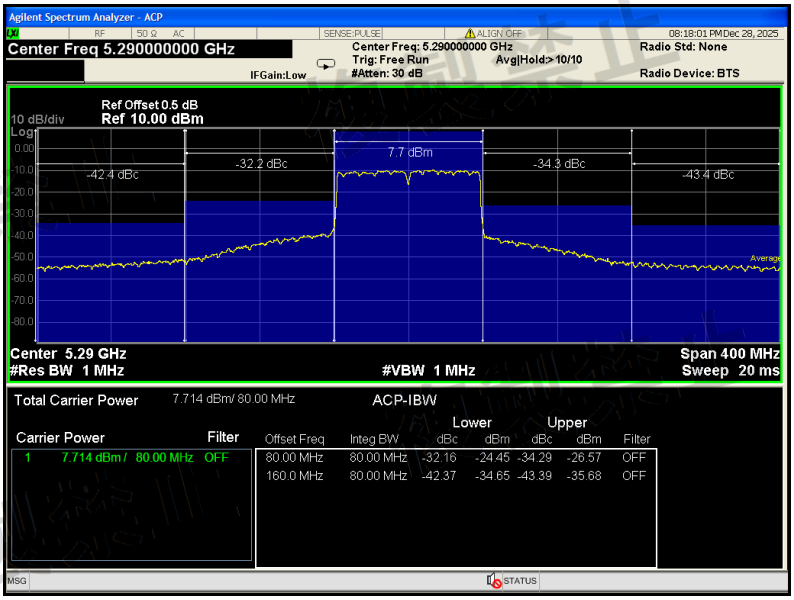
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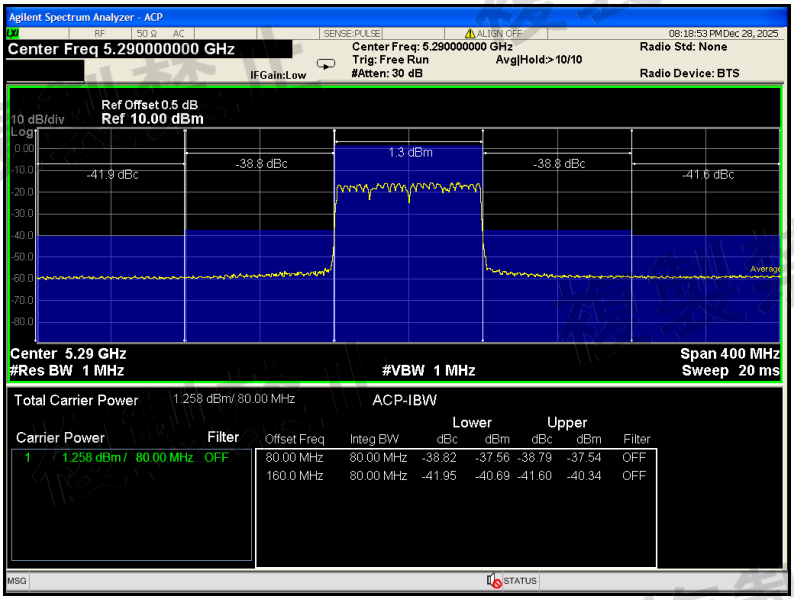
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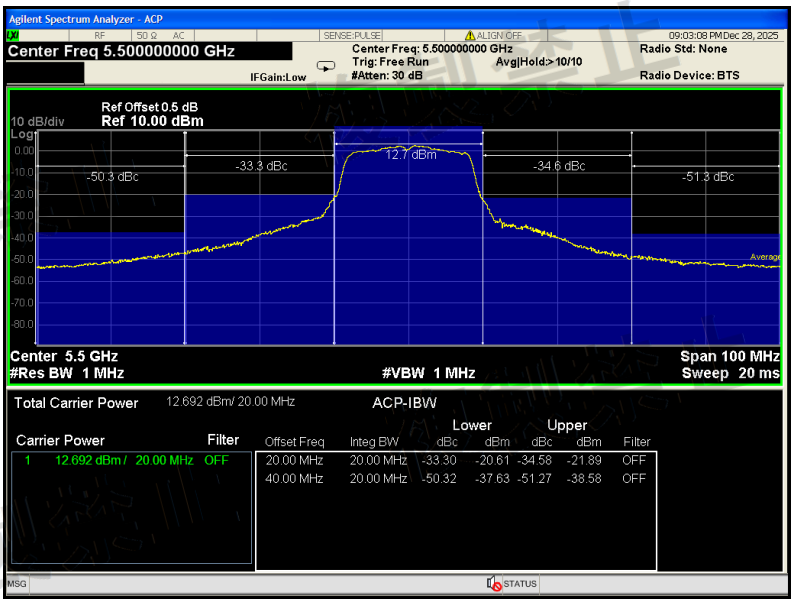
W53 802.11ac-HT80 Low channel



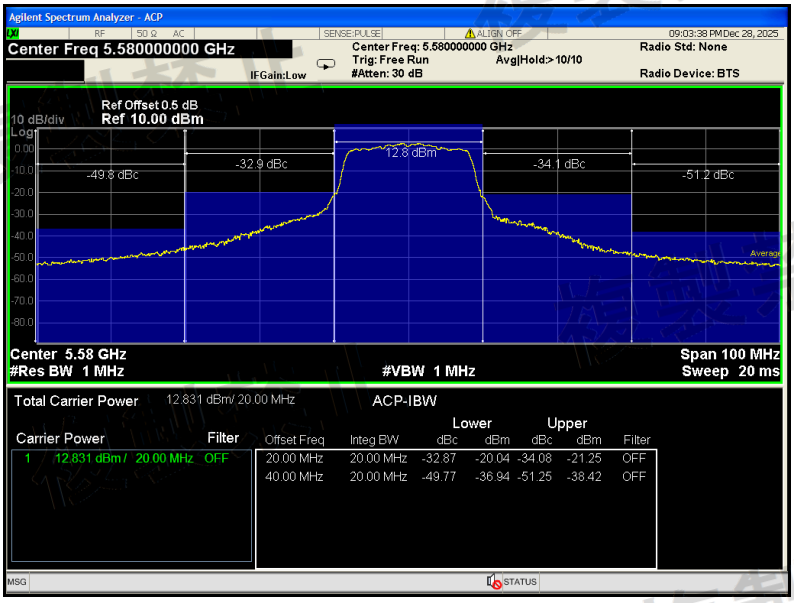
W53 802.11ax-HE80 Low channel



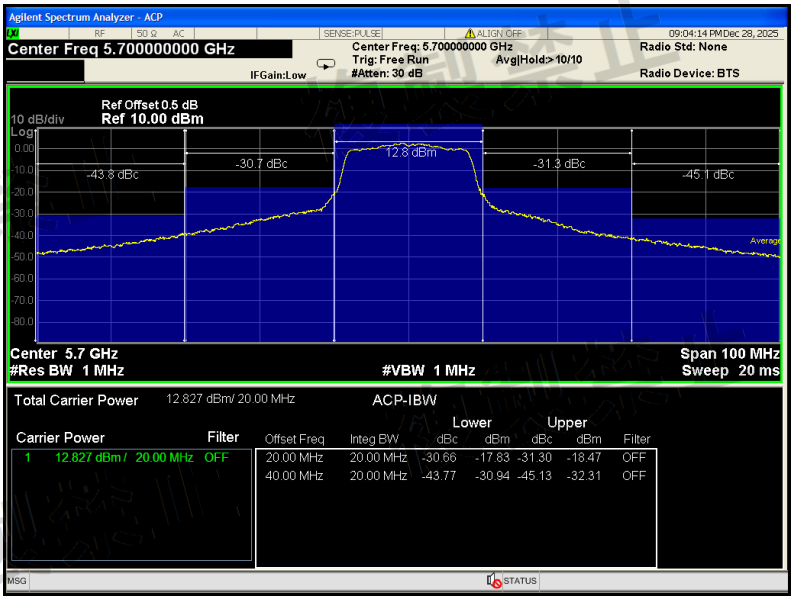
W56 802.11a Low channel



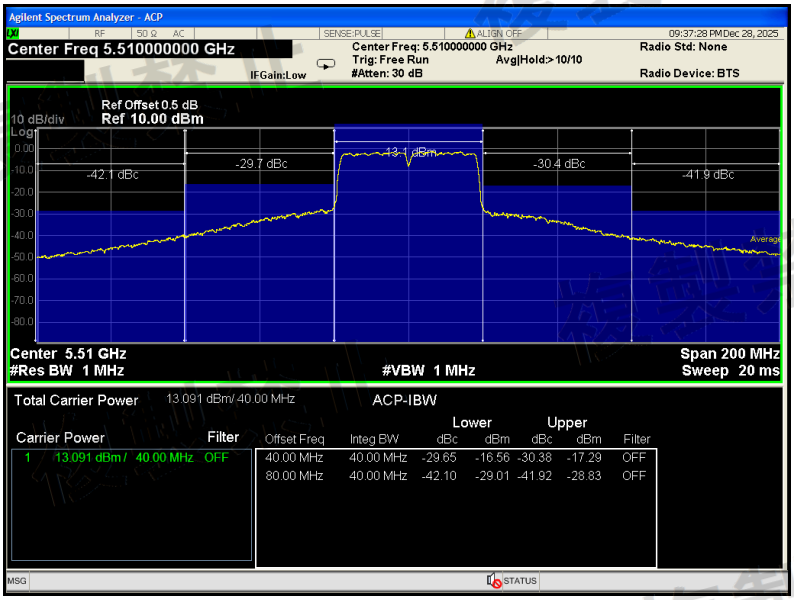
W56 802.11a Middle channel



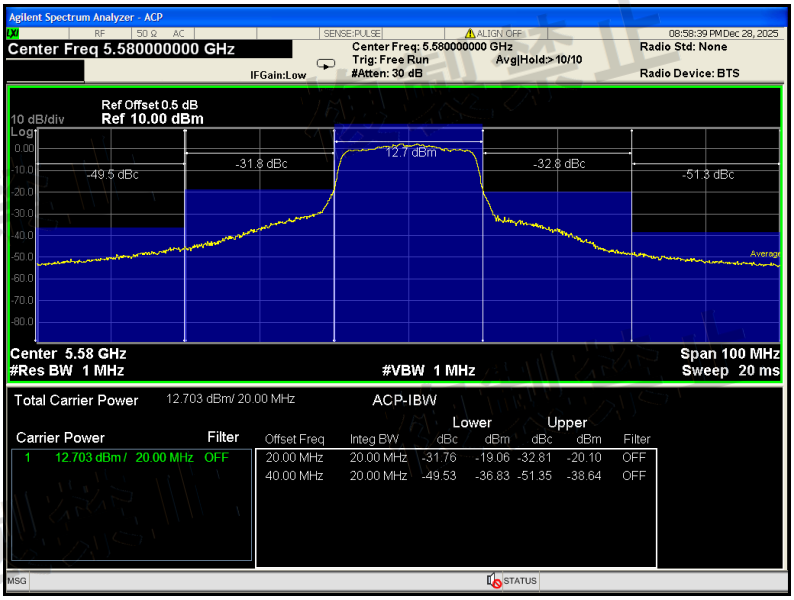
W56 802.11a High channel



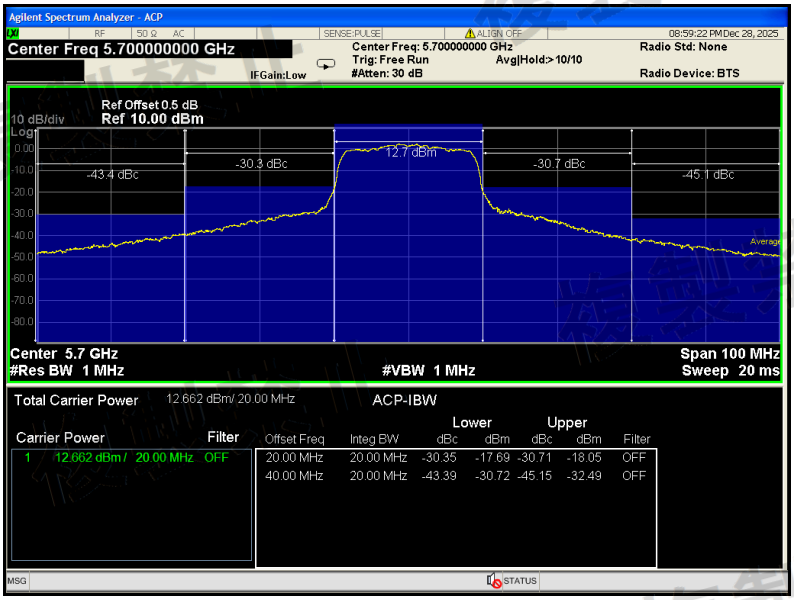
W56 802.11n-HT20 Low channel



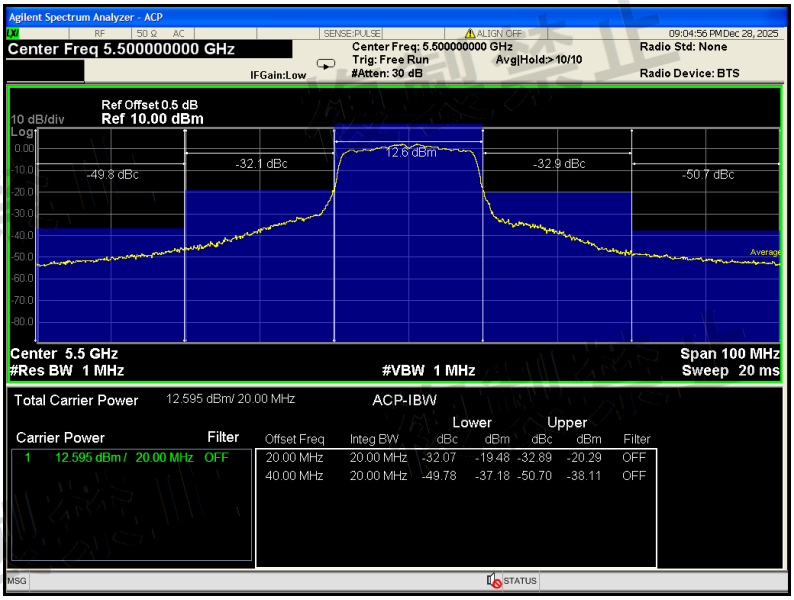
W56 802.11n-HT20 Middle channel



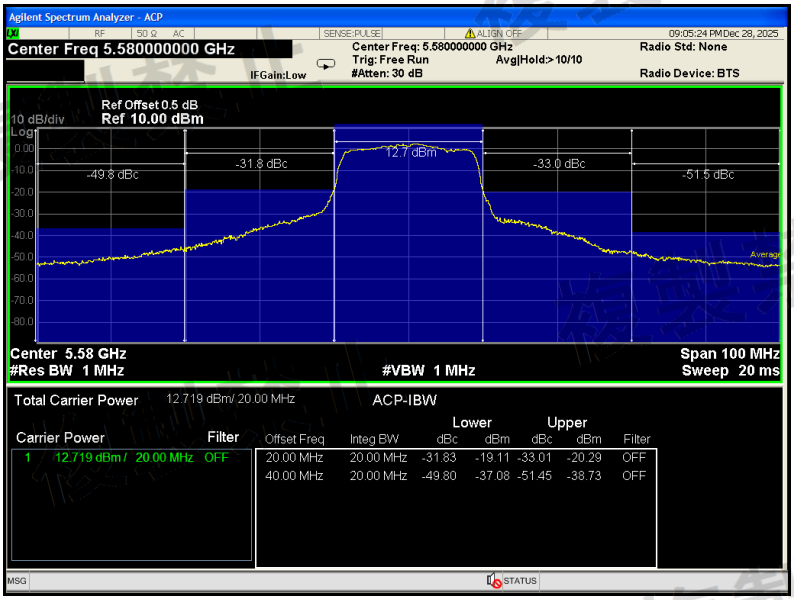
W56 802.11n-HT20 High channel



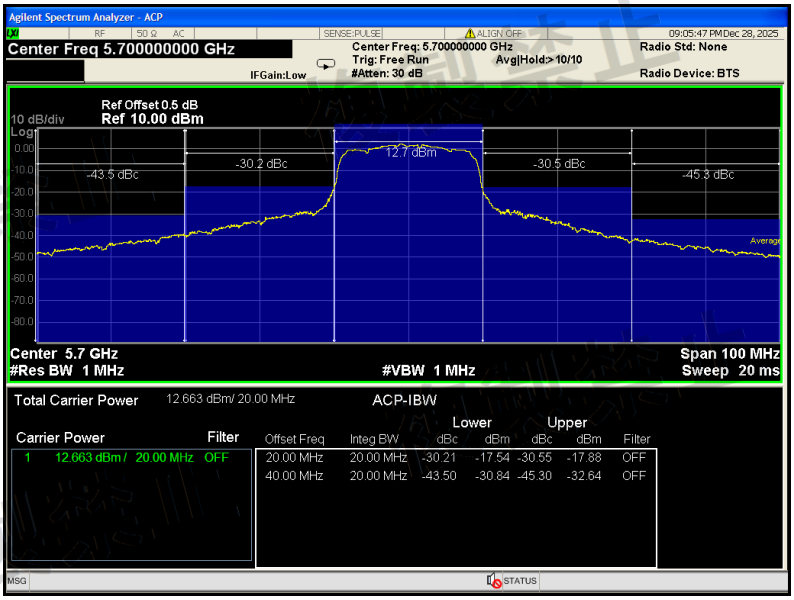
W56 802.11ac-HT20 Low channel



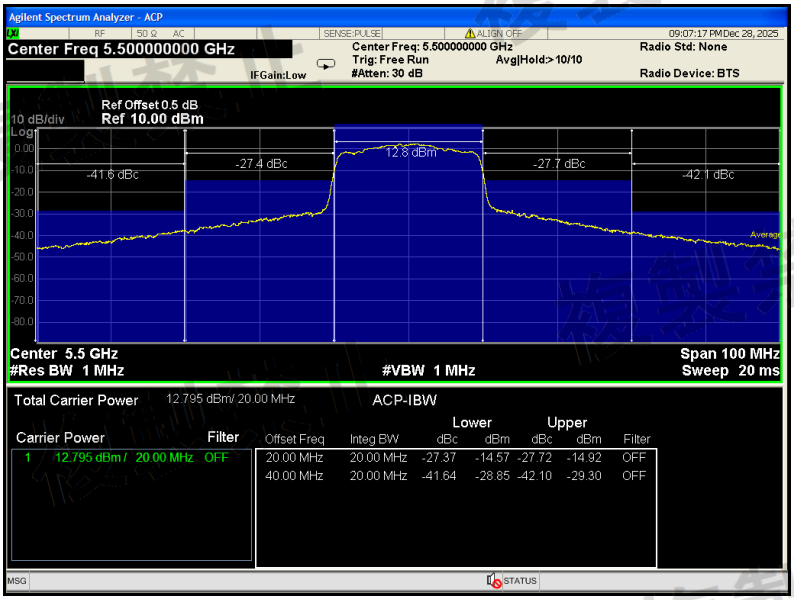
W56 802.11ac-HT20 Middle channel



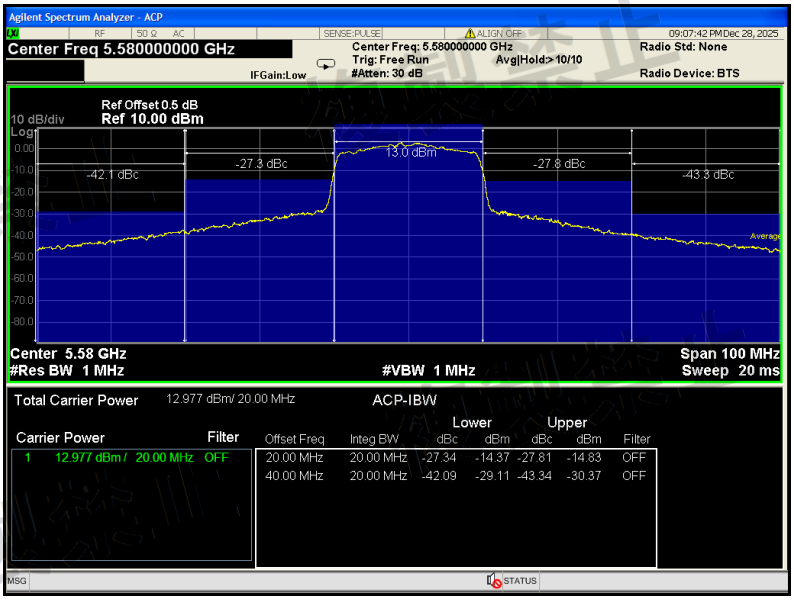
W56 802.11ac-HT20 High channel



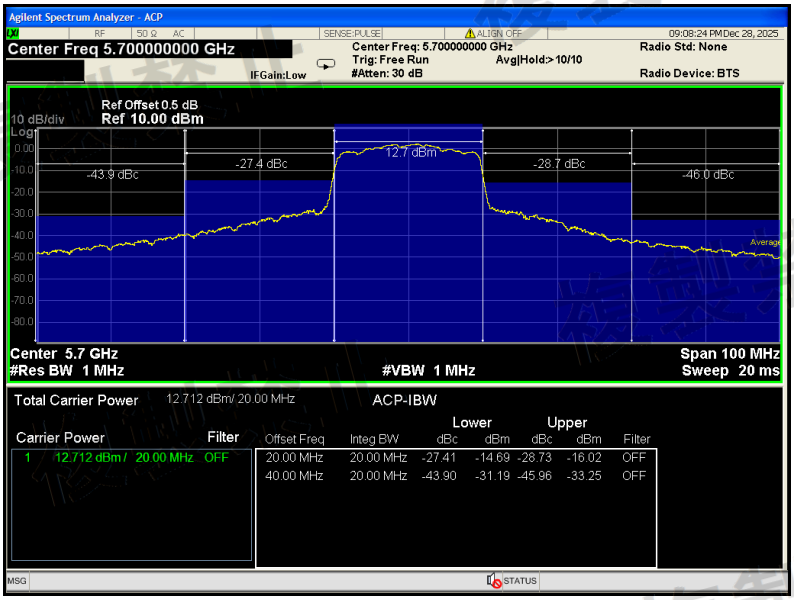
W56 802.11ax-HE20 Low channel



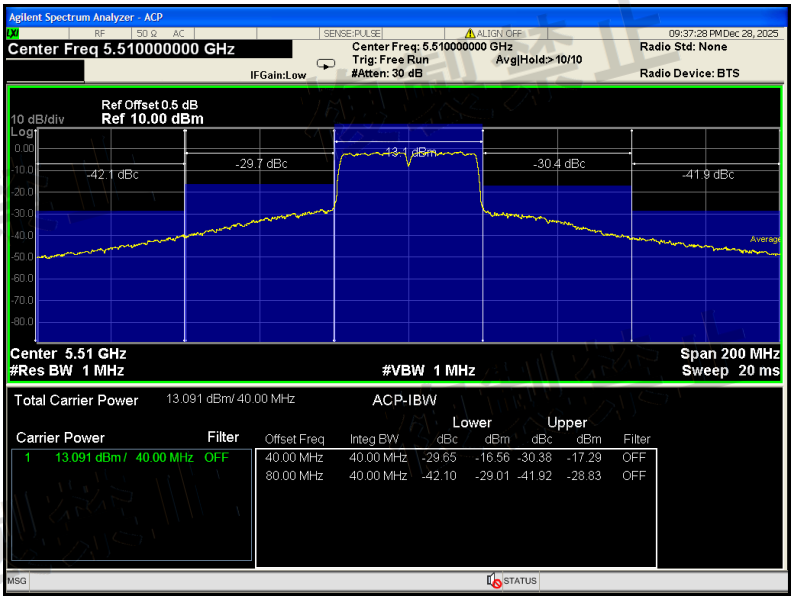
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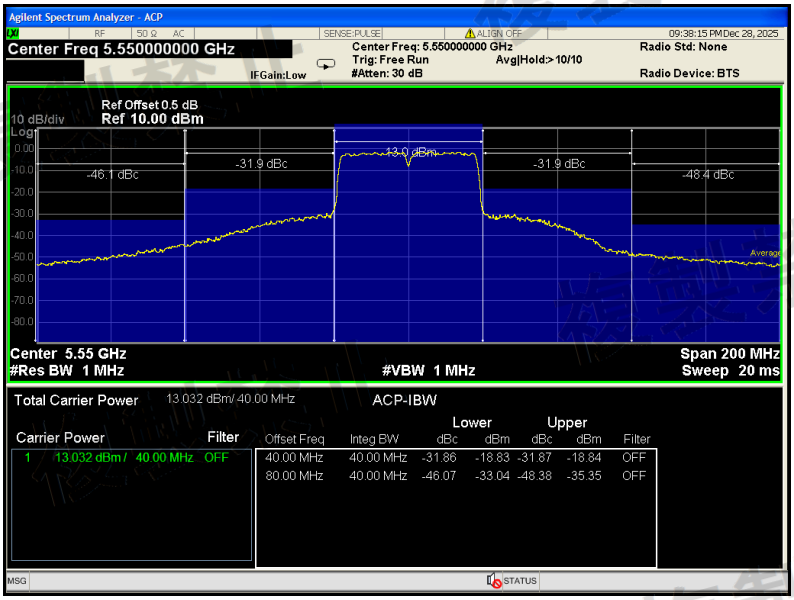
W56 802.11ax-HE20 High channel



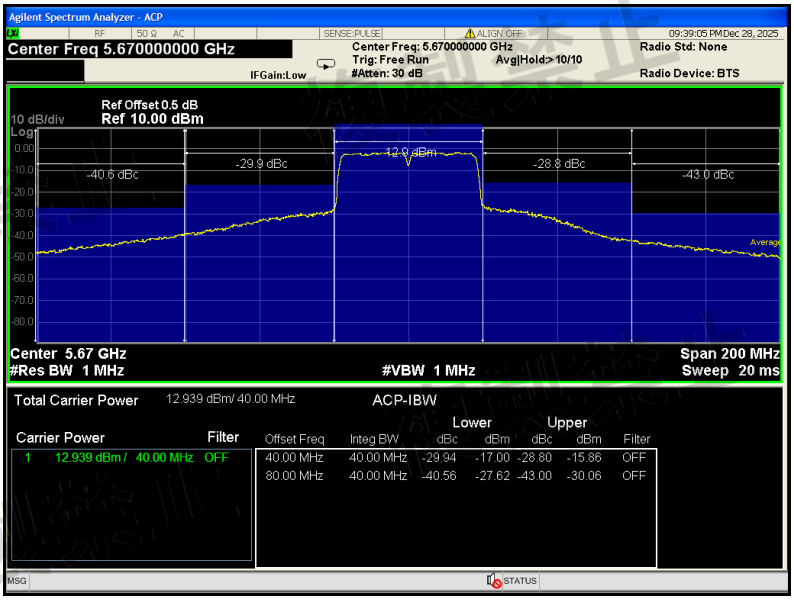
W56 802.11n-HT40 Low channel



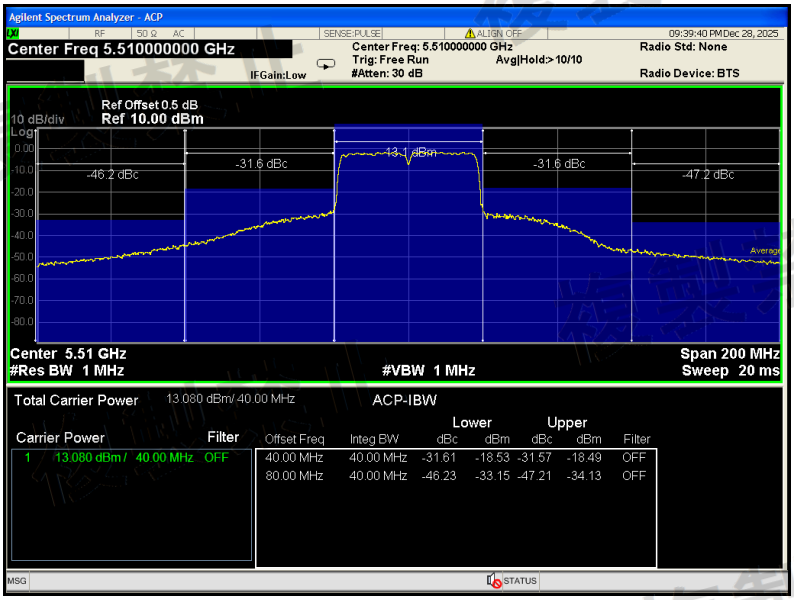
W56 802.11n-HT40 Middle channel



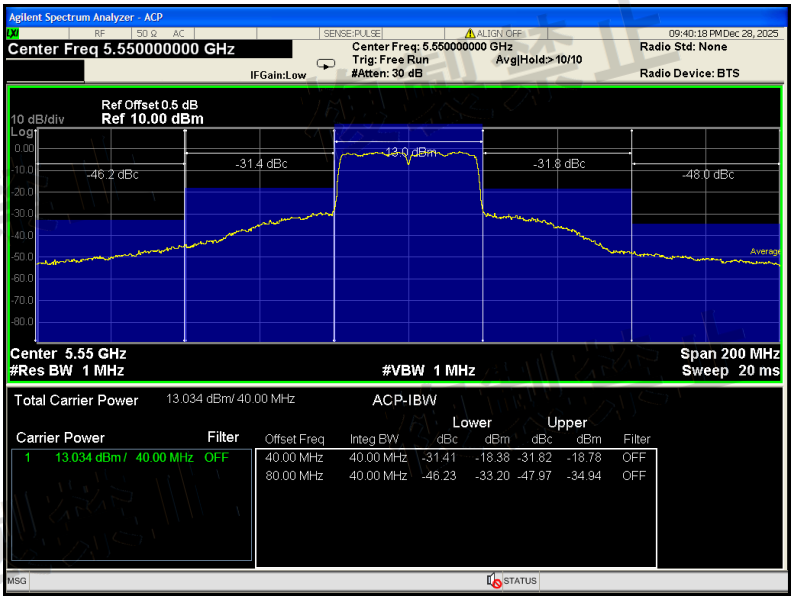
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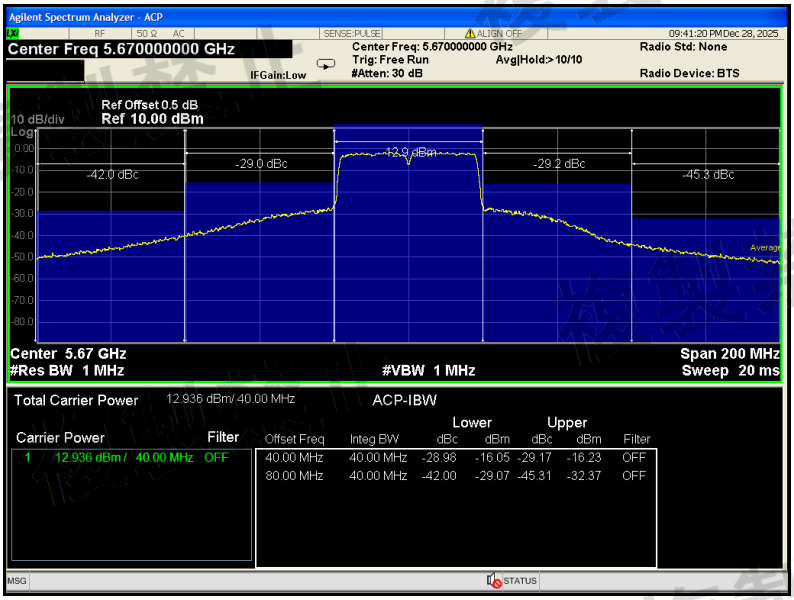
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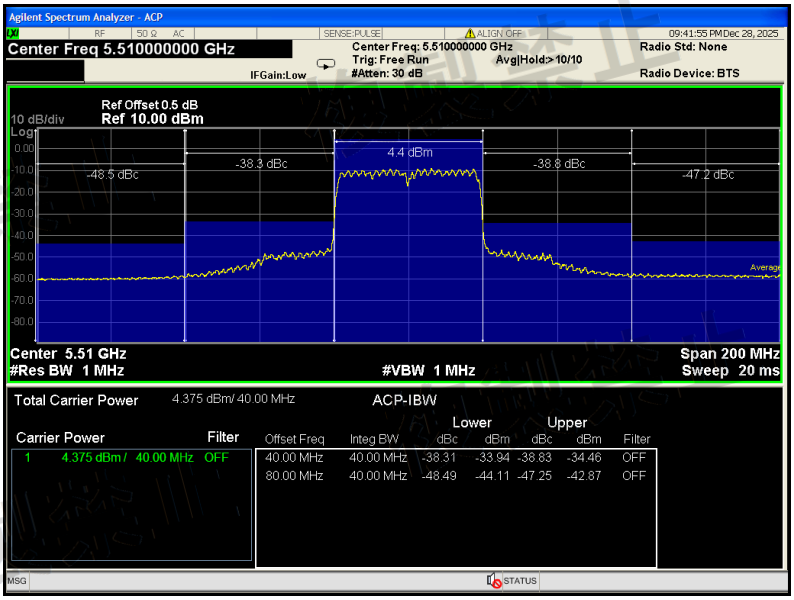
W56 802.11ac-HT40 Middle channel



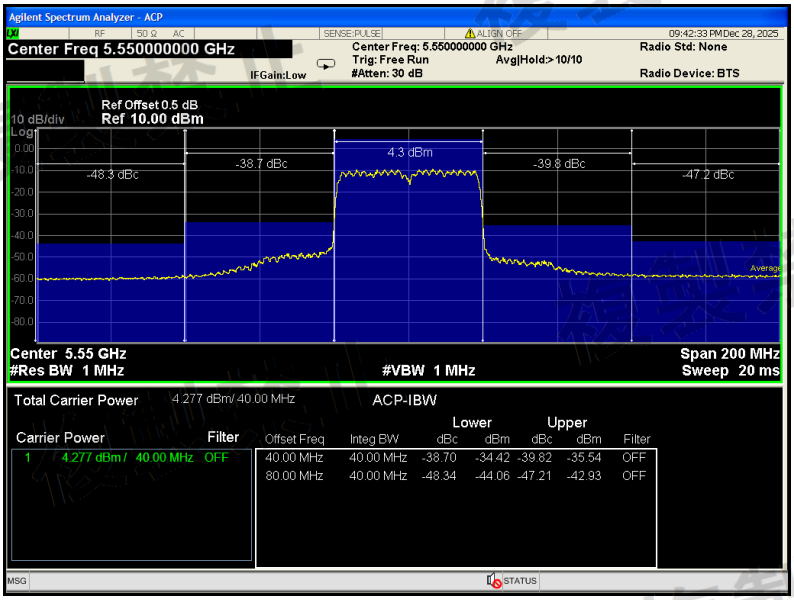
W56 802.11ac-HT40 High channel



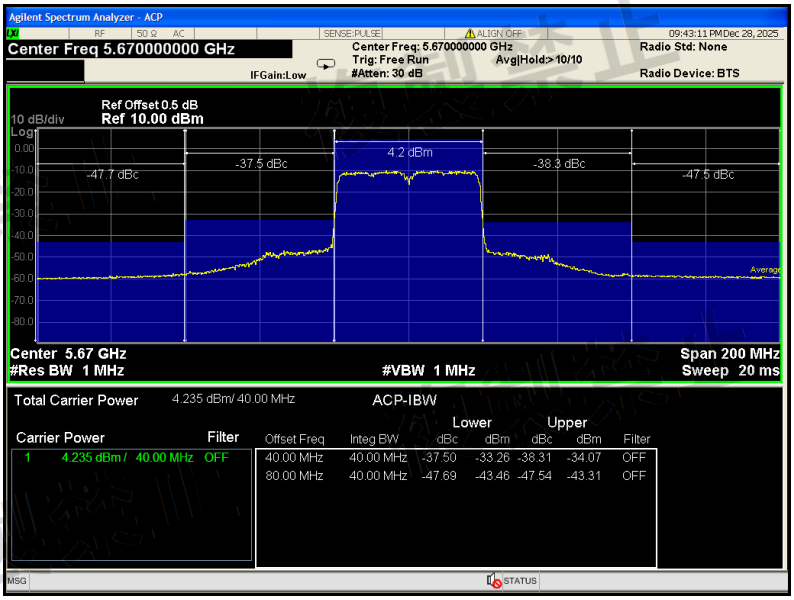
W56 802.11ax-HE40 Low channel



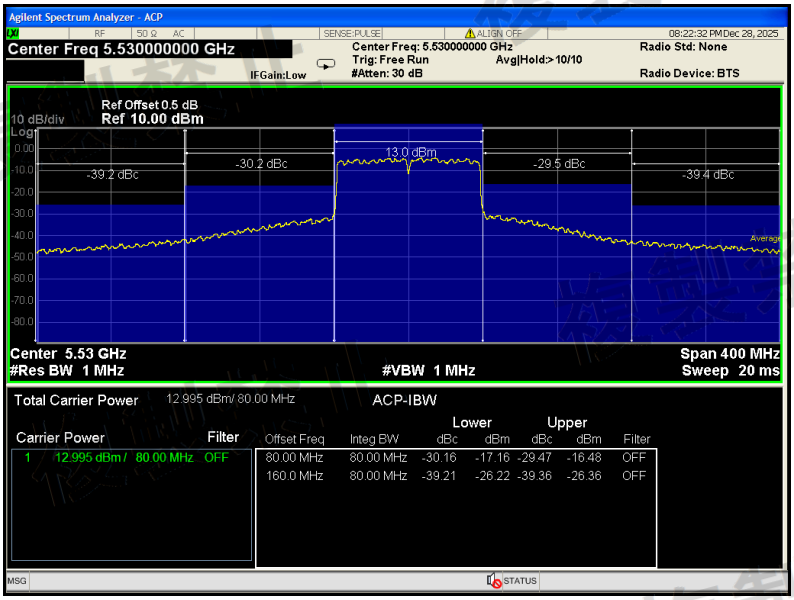
W56 802.11ax-HE40 Middle channel



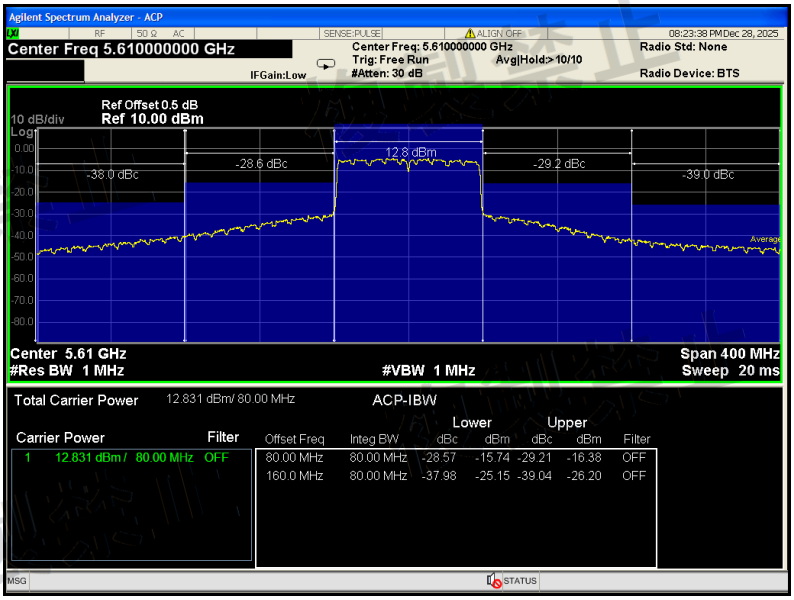
W56 802.11ax-HE40 High channel



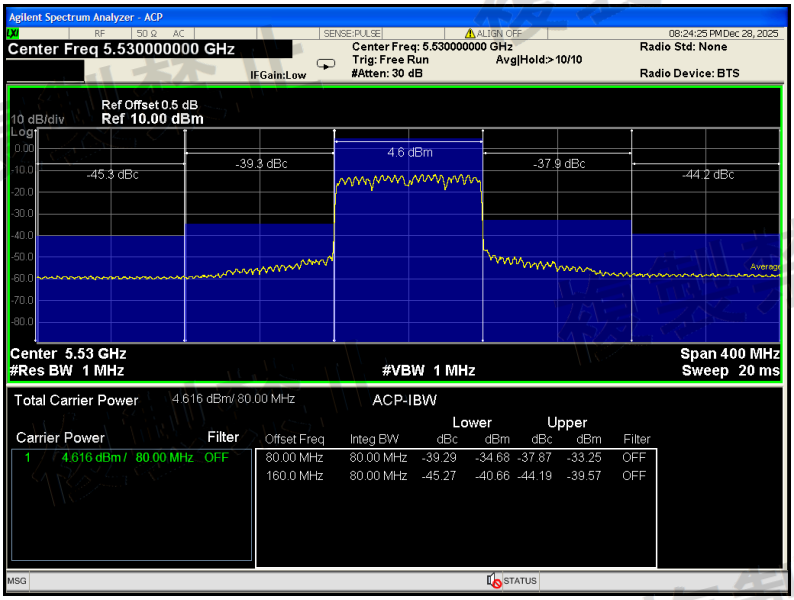
W56 802.11ac-HT80 Low channel



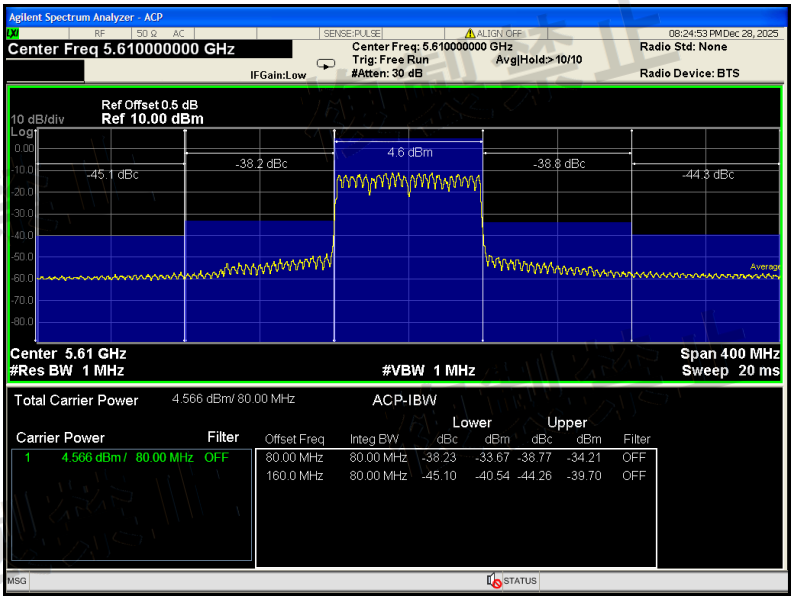
W56 802.11ac-HT80 High channel



W56 802.11ax-HE80 Low channel



W56 802.11ax-HE80 High channel



7 Measurements of Receiving Equipment

7.1 Secondary Radiated Emissions

7.1.1 Test Requirement

Article 2 Paragraph 1 of Item 19-3.

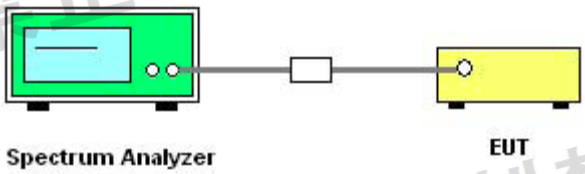
7.1.2 Limit

According to Article 2-1., the limit as follow:

below 1GHz:4nW or less;.

above 1GHz:20nW or less.

7.1.3 Test Setup



7.1.4 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) / 1 MHz (above 1GHz emissions) / AT: 10dB / Ref: 0dBm /Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100 kHz and VB: 100 kHz. Then adjust to start frequency 30MHz and stop frequency 1000 MHz. 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 26000 MHz. Search to mark peak reading value + cable loss shall be less than 20 nW
5. If power level of lower emissions are more than 1/10 of limit (.0.4nW for f < 1GHz, 2 nW for f >= 1GHz), 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.

7.1.5 Test Result

Note: The plots only show the worst mode.

ANT 1 + ANT 2:

W52:

Modulation	Channel	Test Mode	Test Result
802.11a	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT80	Low	Receiving	PASS
802.11ax-HE80	Low	Receiving	PASS
Note: The result only show the worst mode(802.11a and 802.11n-HT40,802.11ac VHT80)			

Modulation	Channel	Band (GHz)	Frequency (GHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)
802.11a	Low	0.03-1	0.80212	-80.668	0.009	4
		1-26	25.506	-67.424	0.181	20
	Middle	0.03-1	0.62752	-80.870	0.008	4
		1-26	25.684	-66.142	0.243	20
	High	0.03-1	0.82055	-80.997	0.008	4
		1-26	25.480	-67.451	0.180	20
802.11n-HT40	Low	0.03-1	0.81085	-82.222	0.006	4
		1-26	26.143	-67.194	0.191	20
	High	0.03-1	0.45680	-80.776	0.008	4
		1-26	25.710	-66.494	0.224	20
802.11ac-VHT80	Low	0.03-1	0.76429	-79.838	0.010	4
		1-26	25.455	-66.973	0.201	20

W53:

Modulation	Channel	Test Mode	Test Result
802.11a	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE40	Low	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT80	Low	Receiving	PASS
802.11ax-HE80	Low	Receiving	PASS
Note: The result only show the worst mode(802.11a and 802.11n-HT40,802.11ac VHT80)			

Modulation	Channel	Band (GHz)	Frequency (GHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)
802.11a	Low	0.03-1	752.65	-81.630	0.007	4
		1-26	25.404	-65.055	0.312	20
	Middle	0.03-1	446.13	-80.943	0.008	4
		1-26	25.761	-66.806	0.209	20
	High	0.03-1	797.27	-80.685	0.009	4
		1-26	25.455	-66.430	0.228	20
802.11n-HT40	Low	0.03-1	846.74	-80.590	0.009	4
		1-26	25.735	-66.449	0.227	20
	High	0.03-1	839.95	-81.166	0.008	4
		1-26	25.455	-66.729	0.212	20
802.11ac-VHT80	Low	0.03-1	515.97	-81.193	0.008	4
		1-26	25.761	-66.939	0.202	20

W56:

Modulation	Channel	Test Mode	Test Result
802.11a	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE20	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11n-HT40	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT40	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE40	Low	Receiving	PASS
	Middle	Receiving	PASS
	High	Receiving	PASS
802.11ac-VHT80	Low	Receiving	PASS
	High	Receiving	PASS
802.11ax-HE80	Low	Receiving	PASS
	High	Receiving	PASS
Note: The result only show the worst mode(802.11a and 802.11n-HT40,802.11ac VHT80)			

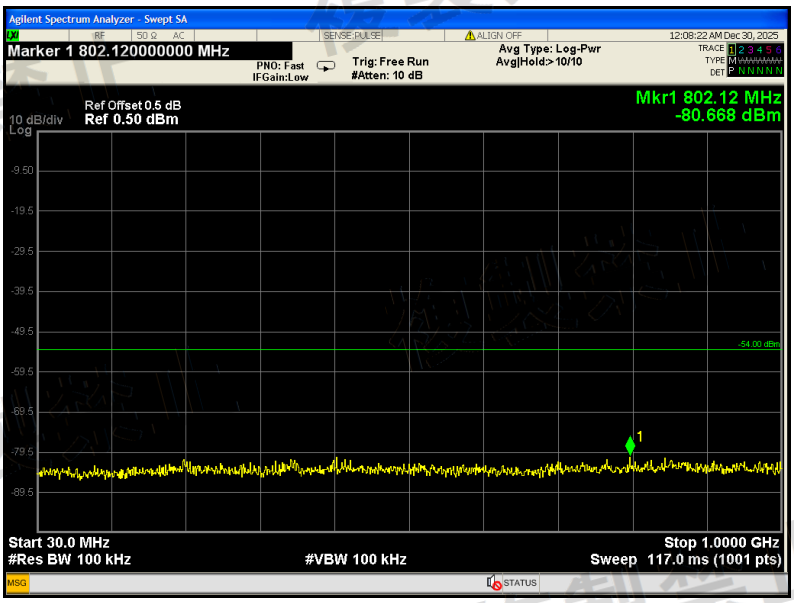
Modulation	Channel	Band (GHz)	Frequency (GHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)
802.11a	Low	0.03-1	865.17	-80.543	0.009	4
		1-26	25.455	-66.211	0.239	20
	Middle	0.03-1	543.13	-81.105	0.008	4
		1-26	25.455	-66.819	0.208	20
	High	0.03-1	349.13	-81.324	0.007	4
		1-26	25.710	-65.441	0.286	20
802.11n-HT40	Low	0.03-1	794.36	-81.037	0.008	4
		1-26	25.404	-66.314	0.234	20
	Middle	0.03-1	965.08	-81.139	0.008	4
		1-26	25.429	-66.702	0.214	20
	High	0.03-1	811.82	-80.468	0.009	4
		1-26	25.710	-67.306	0.186	20
802.11ac-VHT80	Low	0.03-1	766.23	-81.595	0.007	4
		1-26	25.633	-67.007	0.199	20
	High	0.03-1	351.07	-80.953	0.008	4
		1-26	25.455	-66.821	0.208	20

W52:

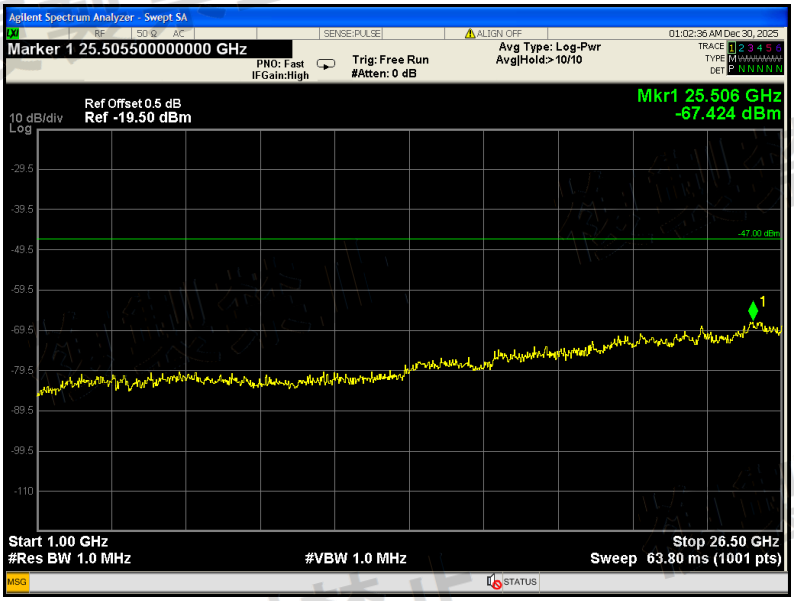
802.11a

Low Channel

0.03-1GHz

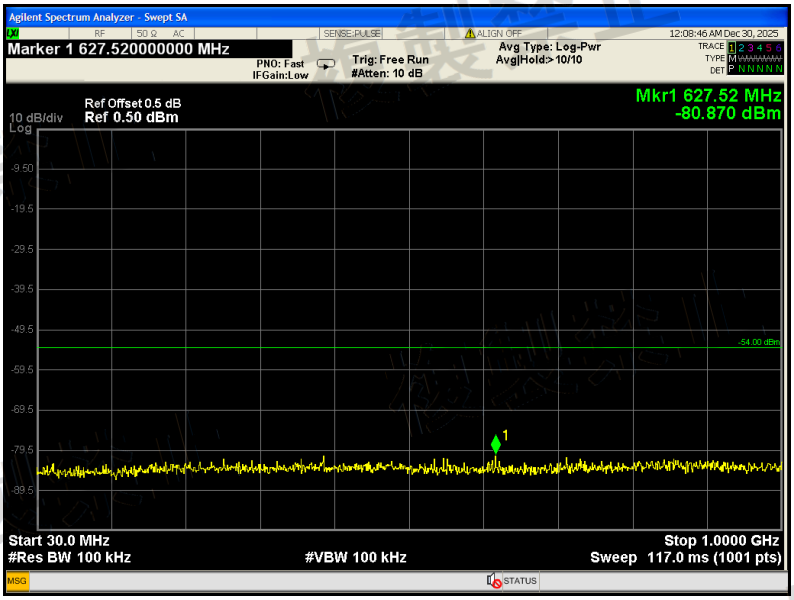


1-26GHz

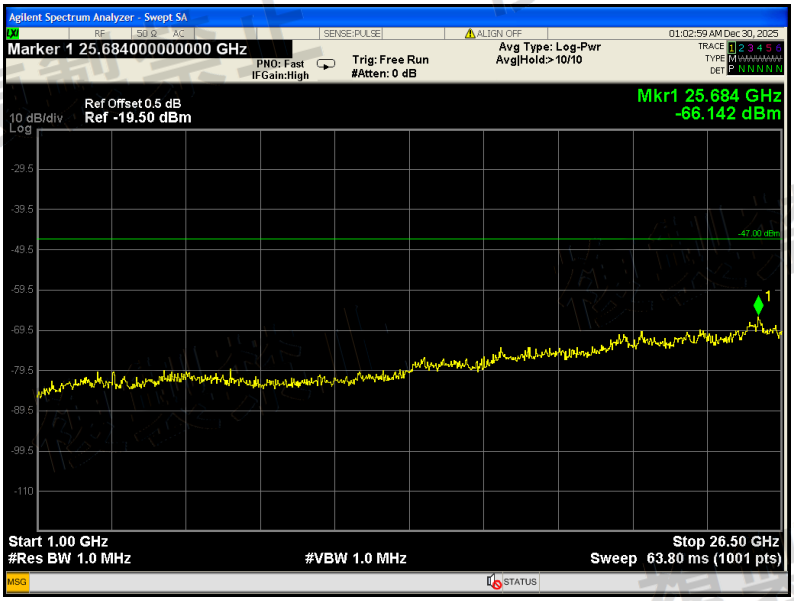


Middle Channel

0.03-1GHz

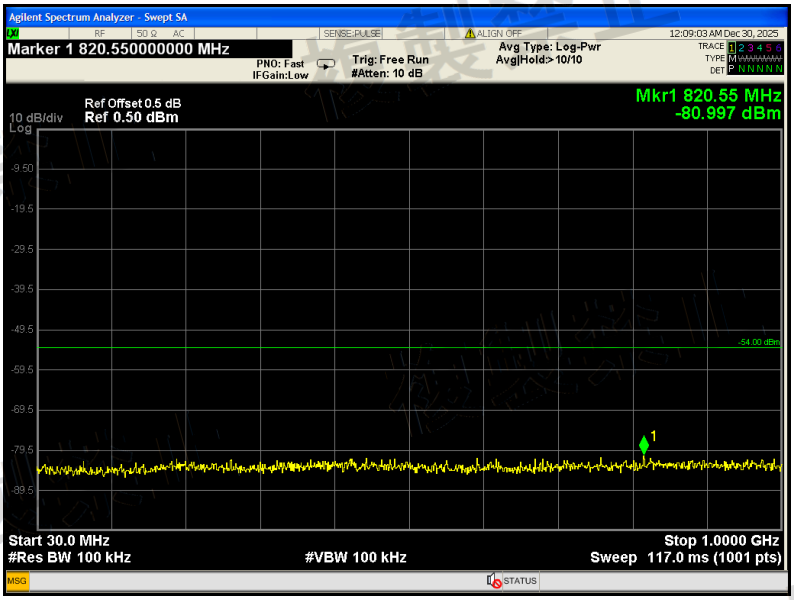


1-26GHz

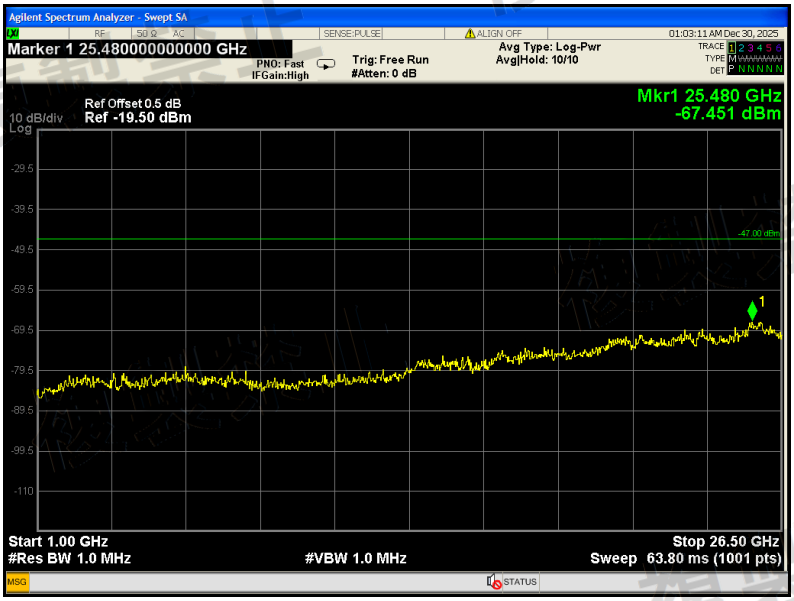


High Channel

0.03-1GHz



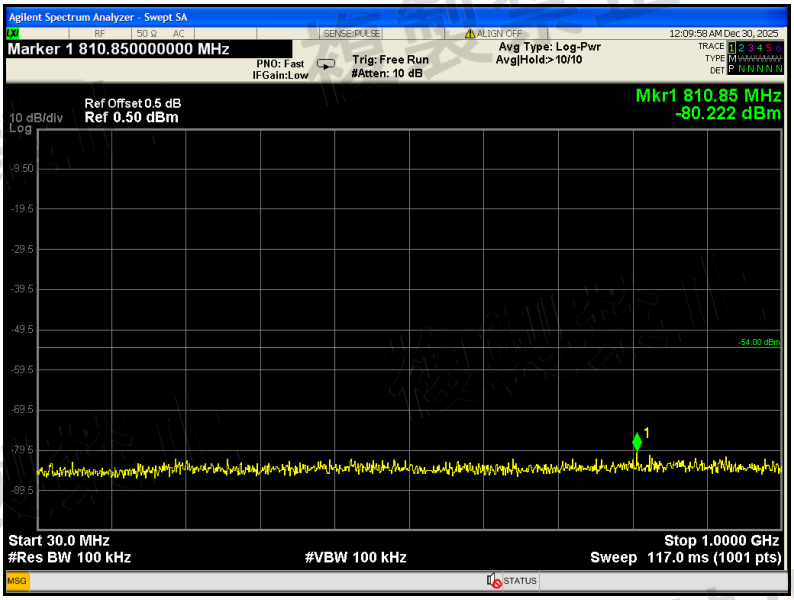
1-26GHz



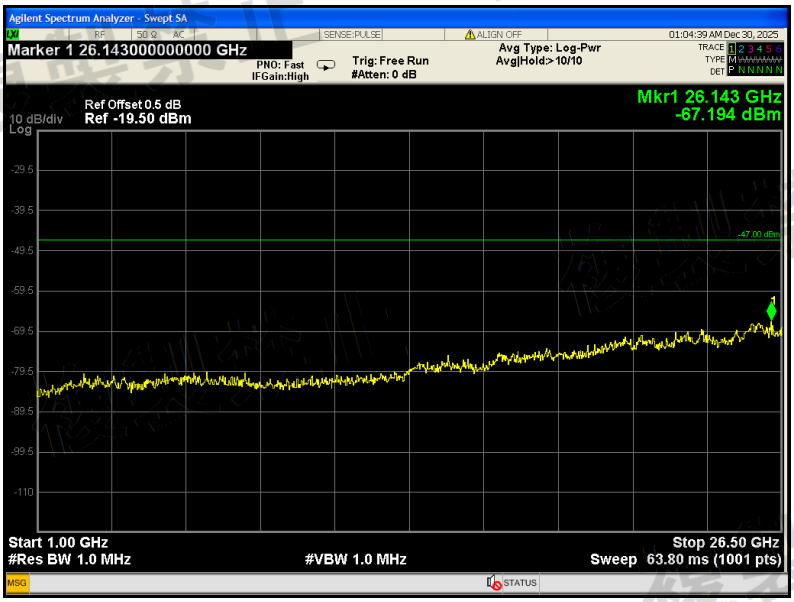
802.11n40

Low Channel

0.03-1GHz

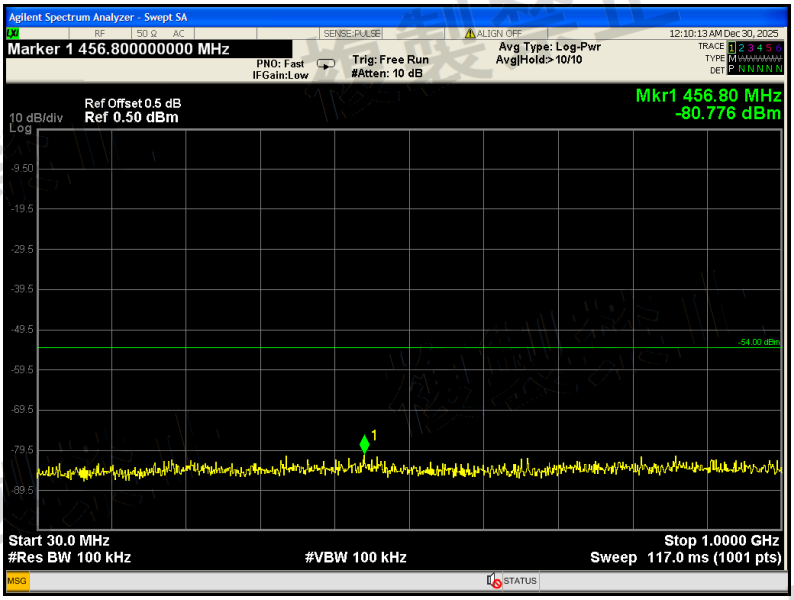


1-26GHz

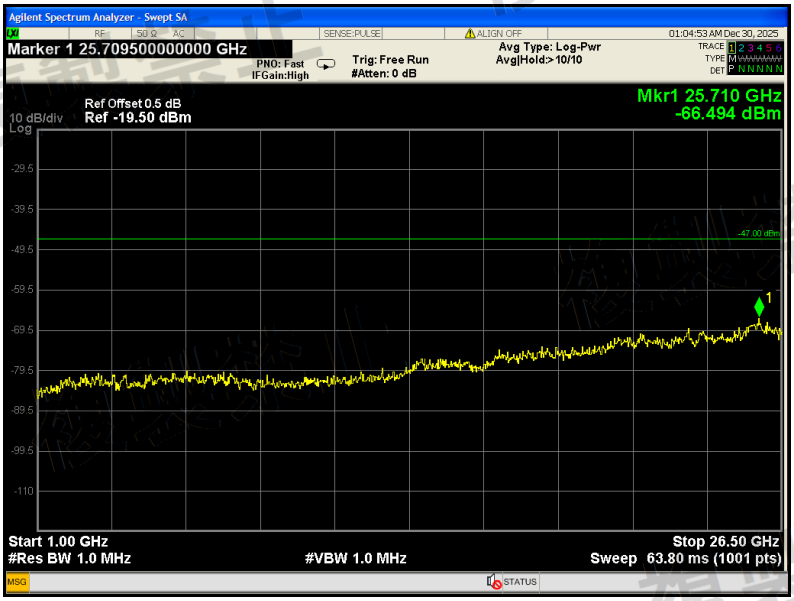


High Channel

0.03-1GHz



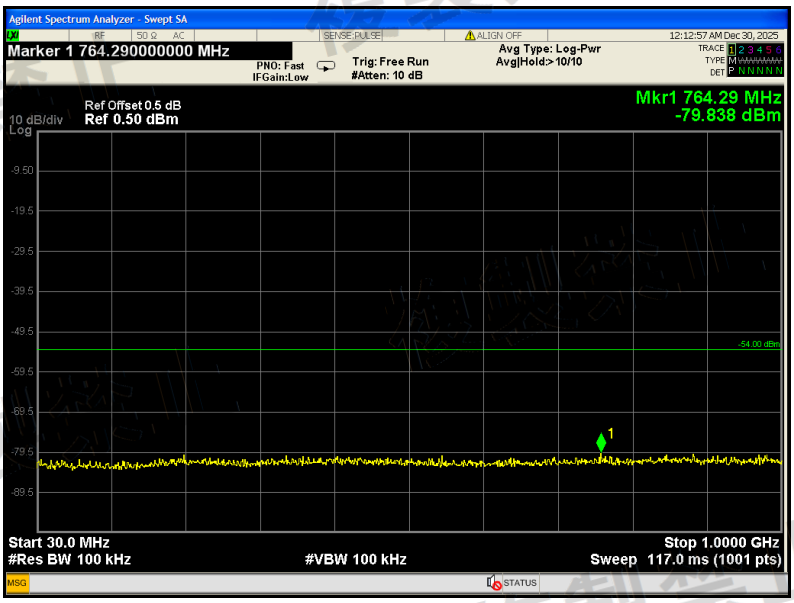
1-26GHz



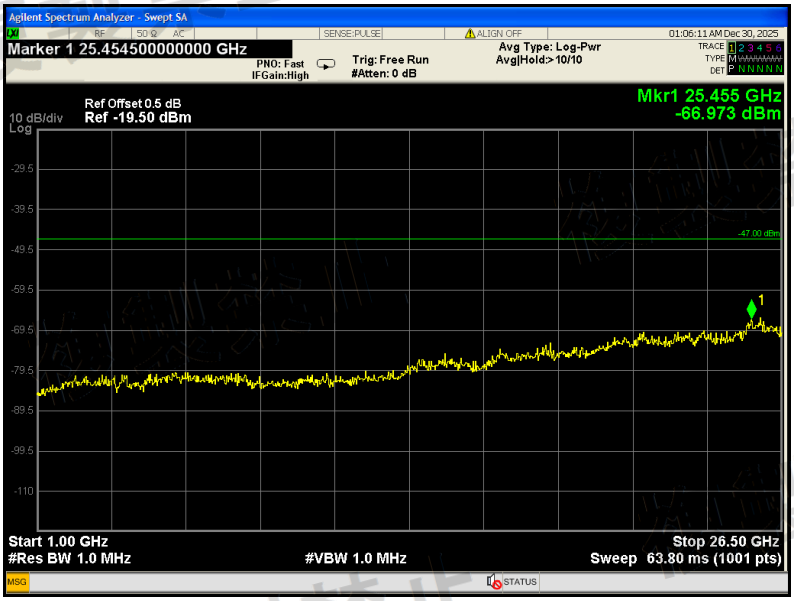
802.11ac80

Low Channel

0.03-1GHz



1-26GHz

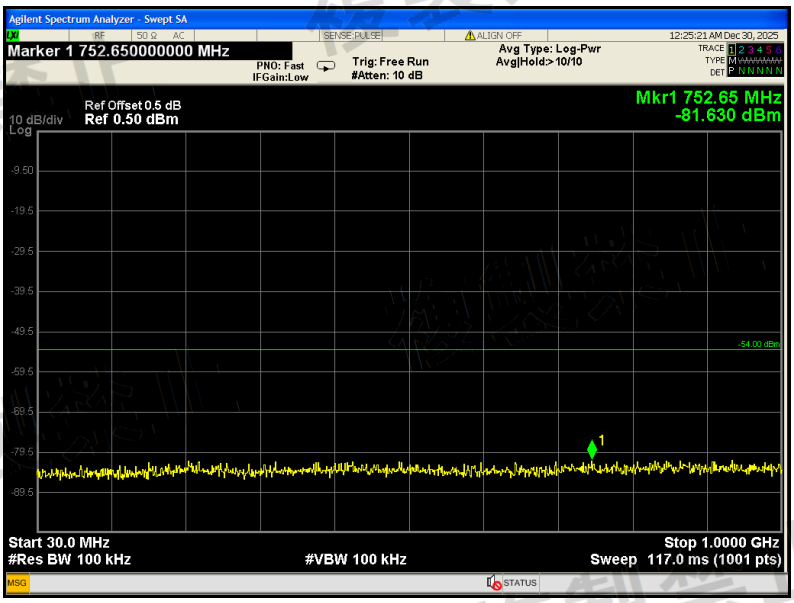


W53:

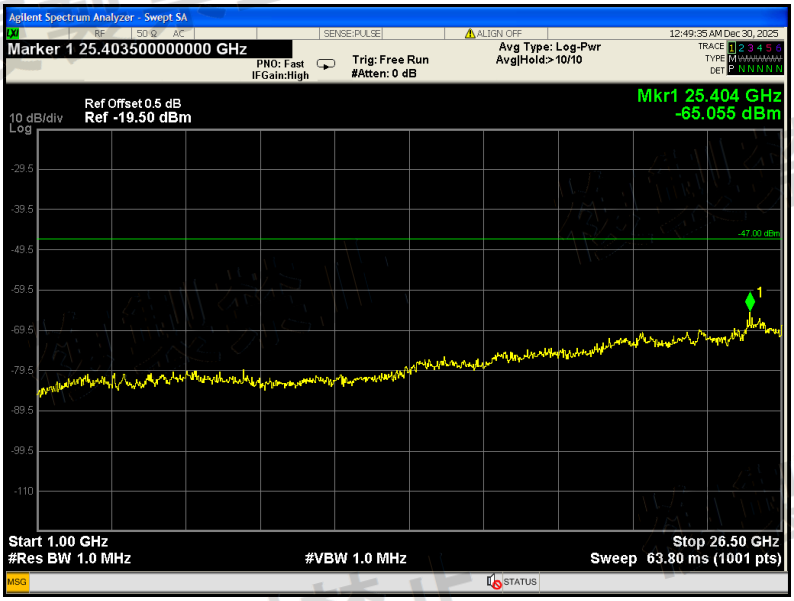
802.11a

Low Channel

0.03-1GHz

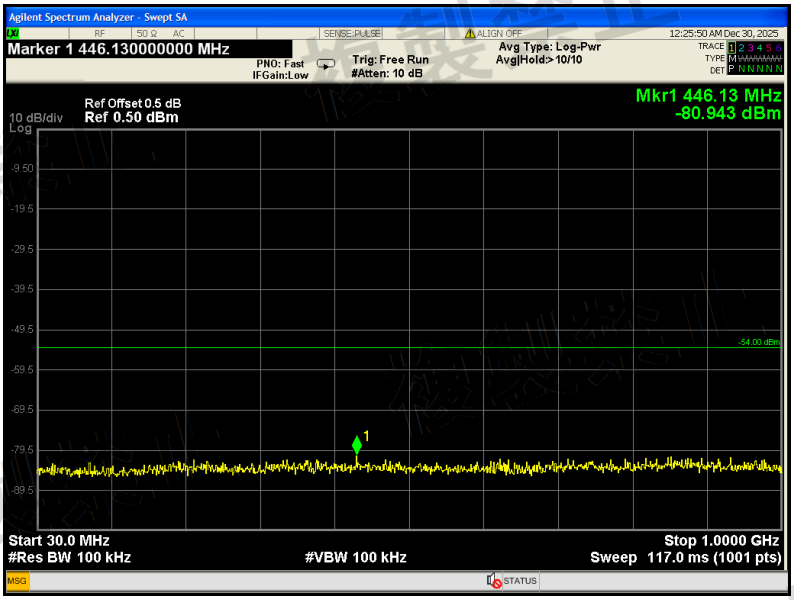


1-26GHz

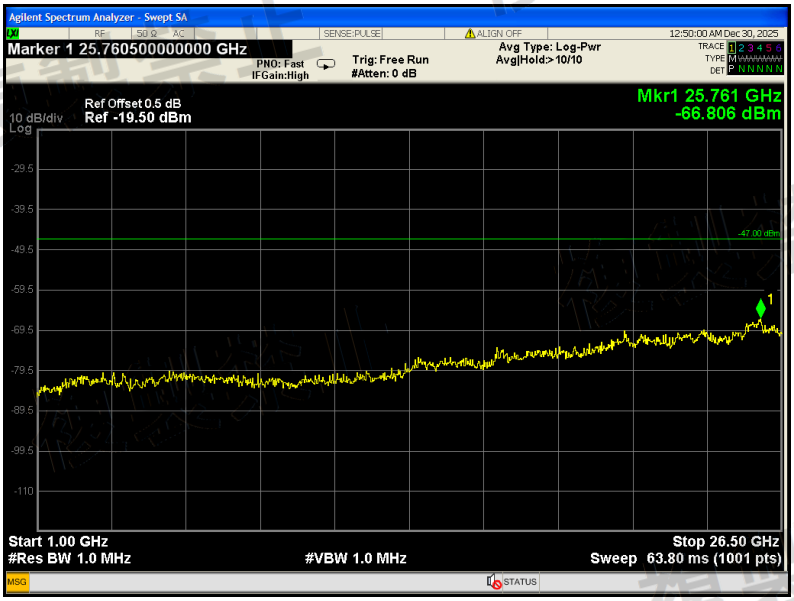


Middle Channel

0.03-1GHz

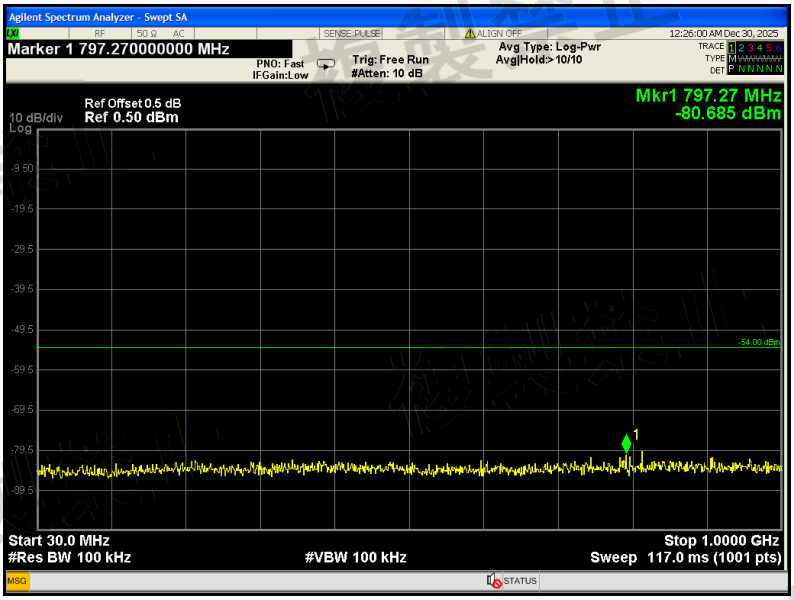


1-26GHz

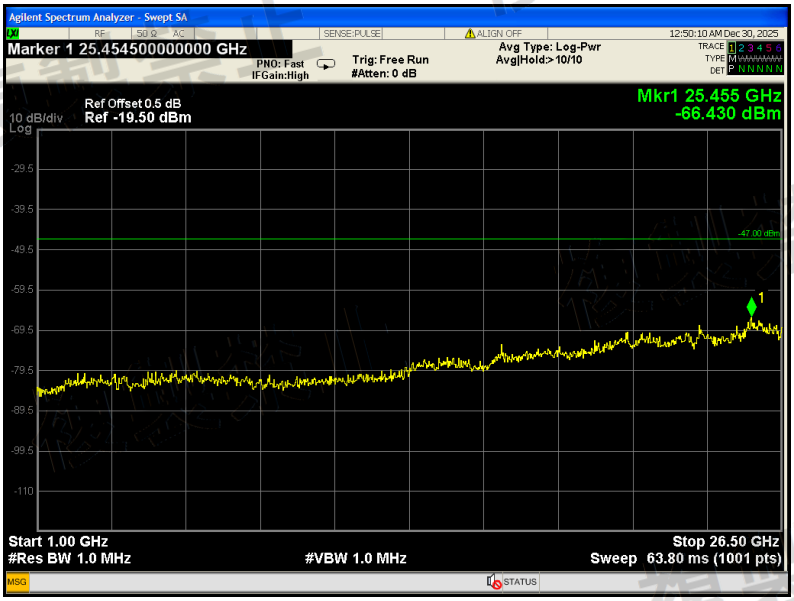


High Channel

0.03-1GHz



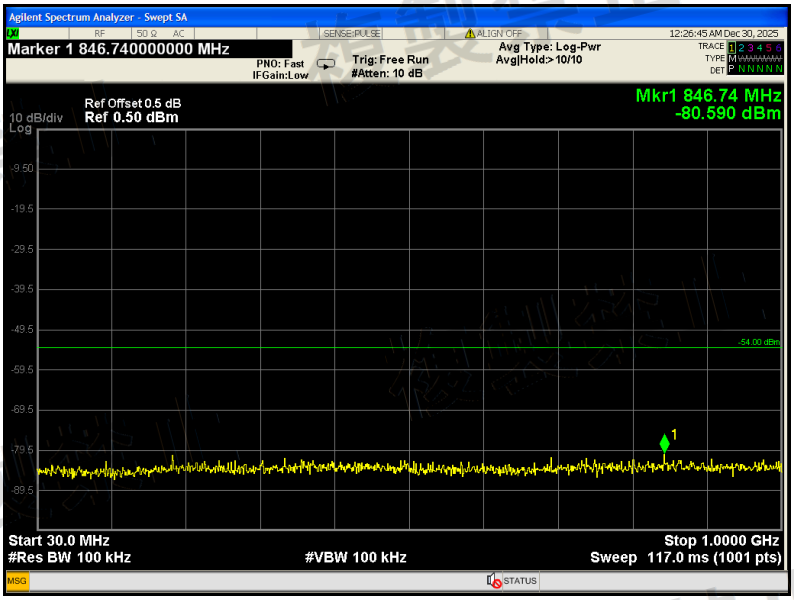
1-26GHz



802.11n40

Low Channel

0.03-1GHz



1-26GHz

