

TEST REPORT

Report No.: 8430EU122714W

Applicant: OSEE TECHNOLOGY LTD.

Address: No.22 Building, No.68 zone, Beiqing Road, Haidian District, Beijing City, China

Product Name: Production Switcher

Model No.: GoStream Omni 12 ISO (refer to clause 2.4)

Trademark: osee

Test Standard(s): MIC Notice No.88 Appendix No.45
Ordinance of MPT No.37, 1981:
Article 2 paragraph 1 item (19)-3

Test Result: Pass

Date of Receipt: Apr. 27, 2026

Test Date: Apr. 27, 2026 - Jun. 08, 2026

Date of Issue: Jun. 18, 2026

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED



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Revision Record

Report Version	Issued Date	Description	Status
V0	Jun. 18, 2026	Original	Valid

Table of Contents

1	COVER PAGE.....	1
2	GENERAL INFORMATION	5
2.1	APPLICANT INFORMATION.....	5
2.2	MANUFACTURER INFORMATION.....	5
2.3	FACTORY INFORMATION.....	5
2.4	GENERAL DESCRIPTION OF E.U.T.....	5
2.5	TECHNICAL INFORMATION OF E.U.T.....	6
3	TEST SUMMARY.....	9
3.1	TEST STANDARD.....	9
3.2	TEST VERDICT.....	9
3.3	TEST LABORATORY.....	10
4	TEST CONFIGURATION.....	11
4.1	TEST ENVIRONMENT.....	11
4.2	TEST EQUIPMENT.....	12
4.3	DESCRIPTION OF SUPPORT UNIT.....	12
4.4	MEASUREMENT UNCERTAINTY.....	13
5	TEST ITEMS.....	14
5.1	FREQUENCY TOLERANCE TEST.....	14
5.1.1	Test Requirement.....	14
5.1.2	Test Setup Diagram.....	14
5.1.3	Test Procedure.....	14
5.1.4	Test Deviation.....	14
5.1.5	EUT Operation during Test.....	14
5.1.6	Test Data.....	14
5.2	OCCUPIED BANDWIDTH AND SPREAD-SPECTRUM BANDWIDTH / FACTOR.....	15
5.2.1	Test Requirement.....	15
5.2.2	Test Setup Diagram.....	15
5.2.3	Test Procedure.....	15
5.2.4	Test Deviation.....	15
5.2.5	EUT Operation during Test.....	15
5.2.6	Test Data.....	15
5.3	ANTENNA POWER TEST.....	16
5.3.1	Test Requirement.....	16
5.3.2	Test Setup Diagram.....	16
5.3.3	Test Procedure.....	16
5.3.4	Test Deviation.....	17
5.3.5	EUT Operation during Test.....	17
5.3.6	Test Data.....	17
5.4	ADJACENT CHANNEL EMITTED POWER TEST.....	18
5.4.1	Test Requirement.....	18
5.4.2	Test Setup Diagram.....	18
5.4.3	Test Procedure.....	18
5.4.4	Test Deviation.....	19
5.4.5	EUT Operation during Test.....	19
5.4.6	Test Data.....	19
5.5	TRANSMISSION BURST LENGTH TEST.....	20
5.5.1	Test Requirement.....	20
5.5.2	Test Setup Diagram.....	20
5.5.3	Test Procedure.....	20
5.5.4	Test Deviation.....	20

5.5.5	EUT Operation during Test.....	20
5.5.6	Test Data	20
5.6	UNWANTED EMISSION STRENGTH	21
5.6.1	Test Requirement	21
5.6.2	Test Setup Diagram.....	22
5.6.3	Test Procedure	22
5.6.4	Test Deviation.....	22
5.6.5	EUT Operation during Test.....	22
5.6.6	Test Data	23
5.7	SECONDARY RADIATED EMISSIONS TEST	24
5.7.1	Test Requirement	24
5.7.2	Test Setup Diagram.....	24
5.7.3	Test Procedure	24
5.7.4	Test Deviation.....	25
5.7.5	EUT Operation during Test.....	25
5.7.6	Test Data	25
5.8	INTERFERENCE PREVENTION FUNCTION	26
5.8.1	Test Requirement	26
5.8.2	Test Setup Diagram.....	26
5.8.3	Test Procedure	26
5.8.4	Test Deviation.....	26
5.8.5	EUT Operation during Test.....	26
5.8.6	Test Data	26
5.9	CARRIER SENSING FUNCTION	27
5.9.1	Test Requirement	27
5.9.2	Test Setup Diagram.....	27
5.9.3	Test Procedure	27
5.9.4	Test Deviation.....	28
5.9.5	EUT Operation during Test.....	28
5.9.6	Test Data	28
5.10	CONSTRUCTION PROTECTION CONFIRMATION METHOD	29
ANNEX A	TEST SETUP PHOTOS	30
ANNEX B	EXTERNAL PHOTOS.....	30
ANNEX C	INTERNAL PHOTOS	30
ANNEX D	TEST DATA	31

2 General Information

2.1 Applicant Information

Applicant	OSEE TECHNOLOGY LTD.
Address	No.22 Building, No.68 zone, Beiqing Road, Haidian District, Beijing City, China

2.2 Manufacturer Information

Manufacturer	OSEE TECHNOLOGY LTD.
Address	No.22 Building, No.68 zone, Beiqing Road, Haidian District, Beijing City, China

2.3 Factory Information

Factory	OSEE TECHNOLOGY LTD.
Address	No.22 Building, No.68 zone, Beiqing Road, Haidian District, Beijing City, China

2.4 General Description of E.U.T.

Product Name	Production Switcher
Model No. Under Test	GoStream Omni 12 ISO
List Model No.	GoStream Omni 12, GoStream Omni 10 ISO, GoStream Omni 10, GoStream Omni 8 ISO, GoStream Omni 8, GoStream Omni 12 ISO 4K, GoStream Omni 10 ISO 4K, GoStream Omni 8 ISO 4K
Description of Model differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in the software function and model name. The test model has the most comprehensive functions. (this information provided by the customer)
Rating(s)	Input: 12VDC, 6A (Adapter Input: 100-240V~, 50-60Hz, 2A; Output: 12.0V---6.0A, 72.0W)
Adapter	Model No.: MX65C1-1206000 Input: 100-240V~, 50-60Hz, 2A Output: 12.0V---6.0A, 72.0W Manufacturer: Guangdong Mingxin Power Technologies Co., Ltd.
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)
Hardware Version	V010002
Software Version	V010001
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.5 Technical Information of E.U.T.

Network and Wireless Connectivity	WiFi 5G: 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80)
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The requirement for the following technical information of the EUT was tested in this report:

Technology	WiFi 5G
Operation Mode	☒ a ☒ n(HT20) ☒ n(HT40) ☒ ac(VHT20)
	☒ ac(VHT40) ☒ ac(VHT80) ☐ ac(VHT160) ☐ ax(HEW20)
	☐ ax(HEW40) ☐ ax(HEW80) ☐ ax(HEW160)
Operating Frequency	5150 MHz to 5250 MHz
Modulation Technology	OFDM
Modulation Type	802.11a/ n: 64QAM, 16QAM, BPSK, QPSK 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Transfer Rate (Mbps) (Single RF path)	☒ 802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps ☒ 802.11n: up to 150 Mbps ☒ 802.11ac: up to VHT-MCS9 ☐ 802.11ax: up to 1201 Mbps
Antenna Type	Columnar Antenna
Antenna Gain(Peak)	ANT 1: 2.35 dBi ANT 2: 2.35 dBi
Antenna Impedance	50Ω
Rated output Power	802.11a: 1.100 mW/MHz 802.11n(HT20): 1.500 mW/MHz 802.11n(HT40): 0.800 mW/MHz 802.11ac(VHT20): 1.500 mW/MHz 802.11ac(VHT40): 0.800 mW/MHz 802.11ac(VHT80): 0.400 mW/MHz
Remark	The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.

All channels were listed on the following table:

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	--	--
44	5220	--	--	--	--
48	5240	--	--	--	--

Mode	Antenna		
	Antenna 1	Antenna 2	MIMO
802.11a	√	√	--
802.11n(HT20)	√	√	√
802.11n(HT40)	√	√	√
802.11ac(VHT20)	√	√	√
802.11ac(VHT40)	√	√	√
802.11ac(VHT80)	√	√	√

Note: All the configurations were tested, but only the worst data was shown in this report.

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channels see below:

✧ **For 802.11a/n(HT20)/ac(VHT20)**

Band I (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
36	Low	5180
44	Mid	5220
48	High	5240

✧ **For 802.11n(HT40)/ac(VHT40)**

Band1 (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
38	Low	5190
46	High	5230

✧ **For 802.11ac(VHT80)**

Band1 (5150 - 5250 MHz)	
Channel Number	Frequency (MHz)
42	5210

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	MIC Notice No.88 Appendix No.45 Ordinance of MPT No.37, 1981: Article 2 paragraph 1 item (19)-3	Low power data communications system in the 5GHz band

Remark:

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	Test Mode	Data Rate	Modulation Technology	Band I	Verdict
					Channel	
1	Frequency Tolerance	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
2	Occupied Bandwidth	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
3	Antenna Power	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
4	Adjacent channel leakage power and out-band leakage power	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
5	Transmission burst length	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass

		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
6	Spurious Emissions Intensity Test	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
7	Interference prevention function	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
8	Secondary Radiated Emissions Test	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
9	Carrier sensing function	11a	6	OFDM	48/44/36	Pass
		11n(20 MHz)	6.5	OFDM	48/44/36	Pass
		11n(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(20 MHz)	6.5	OFDM	48/44/36	Pass
		11ac(40 MHz)	13.5	OFDM	46/38	Pass
		11ac(80 MHz)	29.3	OFDM	42	Pass
10	Dynamic frequency selection (DFS)	--	--	--	--	N/A ^{Note 2}
		--	--	--	--	N/A

Note 1: The tests were performed according to the method of measurements prescribed in MIC Ordinance Regulating Radio Equipment Section 4.17 of Article 49.20.

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China

4 Test Configuration

4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	53%	
Atmospheric Pressure	103 kPa	
Temperature	NT (Normal Temperature)	+25°C
Working Voltage of the EUT	NV (Normal Voltage)	100VAC
	LV (Low Voltage)	90VAC
	HV (High Voltage)	110VDC

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	100VAC	110VAC	90VAC
Output To RF Module	3.3VDC	3.3VDC	3.3VDC
Voltage Variation (%)	--	0.00%	0.00%

Note:

Voltage Variation (%)=(Output high or Low Voltage - Output Normal Voltage)/ Output Normal Voltage* 100%

For extreme voltage test, we have tested the relationship between the external power supply and RF IC power supply. Base on the test results, only the normal voltage was selected to perform all items.

4.2 Test Equipment

Radiated Emission and RF Test					
Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESPI	EE-006	2026/01/07	2027/01/06
Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	EE-007	2026/01/13	2029/01/12
Double Ridged Horn Antenna	A-INFOMW	LB-10180-NF	EE-008	2026/01/11	2029/01/10
Pre-amplifier	Agilent	8447D	EE-009	2026/01/07	2027/01/06
Pre-amplifier	Agilent	8449B	EE-010	2026/01/07	2027/01/06
MXA Signal Analyzer	Agilent	N9020A	EE-011	2026/01/07	2027/01/06
MXG RF Vector Signal Generator	Agilent	N5182A	EE-012	2026/01/07	2027/01/06
Test Software	Farad	EZ-EMC	EE-015	N.C.R	N.C.R
MIMO Power Measurement Module	TSTPASS	TSPS 2023R	EE-016	2026/01/07	2027/01/06
RF Test Software	TSTPASS	TS32893 V2.0	EE-017	N.C.R	N.C.R
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	EE-402	2026/02/13	2027/02/12
Loop Antenna	TESEQ	HLA6121	EE-403	2026/02/13	2027/02/12
MXG RF Analog Signal Generator	Agilent	N5181A	EE-406	2026/02/13	2027/02/12
Constant Temperature Humidity Chamber	Guangxin	GXP-401	ES-002	2025/07/29	2026/07/28
Power Sensor	ROHDE&SCHWARZ	NRP18S	ES-052	2026/02/13	2027/02/12
DC Power Source	QJE	QJ3020E	ES-037	2025/07/29	2026/07/28
Wave Filter	COM-MW	ZHPF6-M1300-18000-5356	EE-028	2026/04/07	2027/04/06
Note: Calibration Method: (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1) (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992) (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (c). The calibration corresponds to c described above. All the equipments for GRG Metrology & Test Group Co., Ltd.					

4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	Pink Notebook	ADOL	ADOL13F	EMC-PJ-030

4.4 Measurement Uncertainty

Parameters	Uncertainty
Frequency Error / 99% Bandwidth	$(3.2 \times f \times 10^{-6})$ Hz
Antenna Power	1.82 dB
TX-RX Spurious Emissions	1.84 dB
Transmission Antenna Gain	5.36 dB
Temperature	0.82 °C
Humidity	4.1%
DC / AC Power Source	0.04%
Duty Cycle	0.05%

Noet: “f” is the nominal signal frequency in Hz.

Note: This uncertainty represents as expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5 Test Items

5.1 Frequency Tolerance Test

5.1.1 Test Requirement

Item	Limits
Frequency Tolerance	$\leq \pm 20$ ppm

5.1.2 Test Setup Diagram



5.1.3 Test Procedure

Test Frequency= test channel
RBW=VBW=10KHz
Span=1MHz
Sweep time=Auto
Detector mode=Positive peak
Indication mode=Max hold
EUT have transmitted unmodulated signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, fc is declaring of channel frequency.

5.1.4 Test Deviation

There is no deviation with the original standard.

5.1.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, modulated waveform mode (computing).

5.1.6 Test Data

PASS.

Please refer to Annex D for details.

5.2 Occupied Bandwidth and Spread-spectrum Bandwidth / Factor

5.2.1 Test Requirement

Test Mode	Limits						
	DSSS		OFDM				
	20 MHz	40 MHz	20 MHz	40 MHz	80 MHz	80MHz+80MHz (Not adjacent band)	160MHz
5.2 GHz Band	18.0 MHz	--	20.0 MHz	40.0 MHz	80.0 MHz	80.0 MHz	160.0 MHz
5.3 GHz Band	18.0 MHz	--	20.0 MHz	40.0 MHz	80.0 MHz	80.0 MHz	160.0 MHz
5.6 GHz Band	18.0 MHz	--	20.0 MHz	40.0 MHz	80.0 MHz	80.0 MHz	160.0 MHz

5.2.2 Test Setup Diagram



5.2.3 Test Procedure

Set the spectrum analyzer as follows:

Center frequency: Test frequency (e.g. 5180 MHz);

Frequency sweep width: 2 to 3.5 times wider than the tolerance (e.g. 40 MHz);

Resolution bandwidth: 3% or less of the tolerance (e.g. 300 kHz);

Video bandwidth: Approximately same as the resolution bandwidth;

Y-axis scale: 10 dB / div;

Input level: Carrier level shall be enough higher than noise level of the spectrum analyzer;

Sweep time: Minimum time to ensure the measuring accuracy (In case of burst wave, one burst shall be included in one sample at least.);

Number of data points: 400 points or more (e.g. 1001 points);

Sweep mode: Continuous sweep;

Number of times for averaging: 10 times or more;

Detection mode: Sample (Positive peak for burst wave).

Values measured with a spectrum analyzer shall be processed using an external or a built-in computer.

5.2.4 Test Deviation

There is no deviation with the original standard.

5.2.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.2.6 Test Data

PASS.

Please refer to Annex D for details.

5.3 Antenna Power Test

5.3.1 Test Requirement

Test Mode	Limits (Antenna Power)						Antenna Power Tolerance
	DSSS	OFDM					
	20 MHz	20 MHz	40 MHz	80 MHz	80MHz+80MHz (Not adjacent band)	160MHz	
5.2 GHz Band	10 mW/MHz	10 mW/MHz	5 mW/MHz	2.5 mW/MHz	1.25 mW/MHz	1.25 mW/MHz	+20%~-80%
5.3 GHz Band	10 mW/MHz	10 mW/MHz	5 mW/MHz	2.5 mW/MHz	1.25 mW/MHz	1.25 mW/MHz	
5.6 GHz Band	10 mW/MHz	10 mW/MHz	5 mW/MHz	2.5 mW/MHz	1.25 mW/MHz	1.25 mW/MHz	+50%~-50%

Test Mode	Limits (E.I.R.P)					
	DSSS	OFDM				
	20 MHz	20 MHz	40 MHz	80 MHz	80MHz+80MHz (Not adjacent band)	160MHz
5.2 GHz Band	10 mW/MHz	10 mW/MHz	5 mW/MHz	2.5 mW/MHz	1.25 mW/MHz	1.25 mW/MHz
5.3 GHz Band	10 mW/MHz: with TPC 5 mW/MHz: without TPC	10 mW/MHz: with TPC 5 mW/MHz: without TPC	5 mW/MHz: with TPC 2.5 mW/MHz: without TPC	2.5 mW/MHz: with TPC 1.25 mW/MHz: without TPC	1.25 mW/MHz: with TPC 0.625 mW/MHz: without TPC	1.25 mW/MHz: with TPC 0.625 mW/MHz: without TPC
5.6 GHz Band	50 mW/MHz: with TPC 25 mW/MHz: without TPC	50 mW/MHz: with TPC 25 mW/MHz: without TPC	25 mW/MHz: with TPC 12.5 mW/MHz: without TPC	12.5 mW/MHz: with TPC 6.25 mW/MHz: without TPC	1.25 mW/MHz: with TPC 0.625 mW/MHz: without TPC	6.25 mW/MHz: with TPC 3.125 mW/MHz: without TPC

5.3.2 Test Setup Diagram



5.3.3 Test Procedure

[Setting 1] – Search for peak power frequency	
Center Frequency:	Test frequency
Span:	Approximately twice the occupied bandwidth
RBW:	1MHz
VBW:	Approximately three times the RBW
Sweep time:	Auto
Sweep data points:	1001 or greater
Detector mode:	Positive peak
Indication mode:	Max hold

[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
Frequency:	Frequency of peak power found using [Setting 1]
Span:	0 Hz
RBW:	3 MHz (FHSS in 7.4.1.1) 1MHz (DSSS, OFDM, FHSS in 7.4.1.2)
Detector mode:	Sample
Sweep:	Minimum time required to make an accurate measurement.
	For burst type (intermittent) transmission sweep time shall be greater than one burst interval
Sweep data points:	1001 or greater

- (1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power
- (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1)

Antenna Power (W/MHz) = Average Burst Power

- (3) If the EUT has an 80+80MHz bandwidth system then antenna power shall be measured separately, on each channel, but with both 80MHz transmitters simultaneously enabled.

Note: Measure the period A-B in the figure below:

A B

Measurement of Average Burst Power (A to B)

5.3.4 Test Deviation

There is no deviation with the original standard.

5.3.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.3.6 Test Data

PASS.

Please refer to Annex D for details.

5.4 Adjacent channel Emitted power Test

5.4.1 Test Requirement

Adjacent channel leakage power limit

Test Mode	Limits						
	DSSS		OFDM				
	20 MHz	40 MHz	20 MHz	40 MHz	80 MHz	80MHz+80MHz (Not adjacent band)	160MHz
5GHz Band	Fc ± 20 MHz ±10 MHz BW:-25 dBc	--	Fc ± 20 MHz ± 10 MHz BW:-25dBc	Fc ± 40 MHz ± 20 MHz BW:-25dBc	Fc ± 80 MHz ±40 MHz BW:-25 dBc	Fc ± 80 MHz ±40 MHz BW:-25 dBc	--
	Fc±40 MHz ±10 MHz BW:-40 dBc	--	Fc ± 40 MHz ±10 MHz BW:-40 dBc	Fc ± 80 MHz ±20 MHz BW:-40 dBc			

5.4.2 Test Setup Diagram



5.4.3 Test Procedure

1. Set the spectrum analyzer as follows to measure adjacent channel leakage power:

Center frequency: Frequency shown in " Measuring procedures"

Frequency sweep width: Width shown in "Note 1";

Resolution bandwidth: 300 kHz

Video bandwidth: 300 kHz

T-axis scale: 10 dB / div.

Input level: A level to obtain the maximum dynamic range;

Number of data points: 400 points or more;

Sweep mode: Single sweep;

Detection mode: Sample. However, positive peak for burst wave;

Number of times for averaging amplitude levels: Until spectrum fluctuation is not observed

Note 1: Frequency sweep width shall be as follows:

Band	Modulation other than OFDM	bandwidth≤20 MHz	20<bandwidth≤40 MHz	40<bandwidth≤80 MHz
5.2 GHz Band	20 MHz	20 MHz	40 MHz	80 MHz
5.3 GHz Band	20 MHz	20 MHz	40 MHz	80 MHz
5.6 GHz Band	20 MHz	20 MHz	40 MHz	80 MHz

Measurement procedures

- I) Measurement of adjacent channel leakage power:

1. Set the spectrum analyzer according to spectrum analyzer settings.

2. Measurement of carrier power (Pc)

- (a). Sweep by setting the center frequency to the carrier frequency.

- (b). Store the values at all data points into the computer array variables.

- (c). Convert dB values at all data points into antilogarithm on the power dimension.

- (d). Calculate sum total of the power at all data points and store it as "Pc".

3. Measurement of upper adjacent channel leakage power (PU)
 - (a). Sweep by setting the center frequency to "carrier frequency + 20 MHz or 40 MHz (Note 3)".
 - (b). Store the values at all data points into the computer array variables.
 - (c). Convert dB values at all data points into antilogarithm on the power dimension.
 - (d). Calculate sum total of the power at all data points and store it as "Pu".
 - (e). Sweep by setting the center frequency to "carrier frequency + 40 MHz or 80 MHz (Note 3)" and then repeat the procedures of (b) to (d).
4. Measurement of lower adjacent channel leakage power (PL)
 - (a). Sweep by setting the center sequence to "carrier frequency - 20 MHz or 40 MHz (Note 3)".
 - (b). Store the values at all data points into the computer array variables.
 - (c). Convert dB values at all data points into antilogarithm on the power dimension.
 - (d). Calculate sum total of the power at all data points and store it as "PL".
 - (e). Sweep by setting the center frequency to "carrier frequency - 40 MHz or 80 MHz (Note 3)" and then repeat the procedures of (b) to (d).
5. When EUT has plural antenna terminals, above measurement shall be conducted in the state that the terminals are connected through a combiner besides the measurement at each antenna terminal.

5.4.4 Test Deviation

There is no deviation with the original standard.

5.4.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.4.6 Test Data

PASS.

Please refer to Annex D for details.

5.5 Transmission burst length Test

5.5.1 Test Requirement

Item	Limits
All of mode	8 ms or less

5.5.2 Test Setup Diagram



5.5.3 Test Procedure

Set the spectrum analyzer as follows:

Center frequency: Test frequency;

Frequency sweep width: 0 Hz;

Resolution bandwidth: 8 MHz;

Video bandwidth: Approximately same as the resolution bandwidth;

Sweep time: Minimum time to ensure the measuring accuracy;

Y-axis scale: 10 dB / div;

Detection mode: Positive peak;

Trigger condition: Leading edge of level.

Measuring procedures

(1) Set the spectrum analyzer according to "2" above. Then set the trigger condition to a leading edge trigger and the EUT to transmission state.

(2) When EUT has plural antenna terminals, combine the output of the antenna terminals referring to "6. Supplementary explanation" and measure the time from start of radio wave transmission by an antenna to termination of radio wave transmission by all antennas.

5.5.4 Test Deviation

There is no deviation with the original standard.

5.5.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.5.6 Test Data

PASS.

Please refer to Annex D for details.

5.6 Unwanted Emission Strength

5.6.1 Test Requirement

Unwanted Emission Strength Limit

W52			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,142 MHz or less : 2.5 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz	5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz	5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
	5,250 - 5,250.2 MHz : $10^{1-(f-5250)/10}$ mW/MHz		
5,250 - 5,251 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,250.2 - 5,251 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,250 - 5,251 MHz : $10^{-(f-5250)+\log(1/2)}$ mW/MHz	5,250 - 5,251 MHz : $10^{-(f-5250)+\log(1/4)}$ mW/MHz
5,251 - 5,260 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,251 - 5,260 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,251 - 5,270 MHz : $10^{-(f-5250)/10}$ mW/MHz	5,251 - 5,290 MHz : $10^{-(f-5250)/10}$ mW/MHz
5,260 - 5,266.7 MHz : $10^{1-(f-5260)/10}$ mW/MHz	5,260 - 5,266.7 MHz : $10^{1-(f-5260)/10}$ mW/MHz	5,270 - 5,278.4 MHz : $10^{-(f-5270)/10}$ mW/MHz	5,290 - 5,296.7 MHz : $10^{-(f-5290)/10}$ mW/MHz
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz	5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

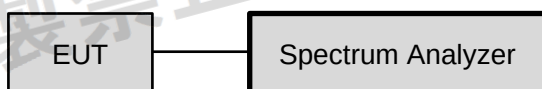
W53			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,233.3 MHz or less : 2.5 μ W/MHz	5,233.3 MHz or less : 2.5 μ W/MHz	5,221.6 MHz or less : 2.5 μ W/MHz	5,203.3 MHz or less : 2.5 μ W/MHz
5,233.3 - 5,240 MHz : $10^{1-(f-5233)/10}$ mW/MHz	5,233.3 - 5,240 MHz : $10^{1-(f-5233)/10}$ mW/MHz	5,221.6 - 5,230 MHz : $10^{-(f-5230)+\log(1/2)}$ mW/MHz	5,203.3 - 5,210 MHz : $10^{-(f-5210)+\log(1/4)}$ mW/MHz
5,240 - 5,249 MHz : $10^{1-(f-5240)/10}$ mW/MHz	5,240 - 5,249 MHz : $10^{1-(f-5240)/10}$ mW/MHz	5,230 - 5,249 MHz : $10^{-(f-5230)+\log(1/2)}$ mW/MHz	5,210 - 5,249 MHz : $10^{-(f-5210)+\log(1/4)}$ mW/MHz
5,249 - 5,250 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,249 - 5,249.8 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-5250)+\log(1/2)}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-5250)+\log(1/4)}$ mW/MHz
5,350 MHz or more : 2.5 μ W/MHz	5,249.8 - 5,250 MHz : $10^{1-(f-5250)/10}$ mW/MHz	5,350 - 5,358.4 MHz : 15 μ W/MHz	5,350 - 5,376.8 MHz : 15 μ W/MHz
	5,350 MHz or more : 2.5 μ W/MHz	5,358.4 MHz or more : 2.5 μ W/MHz	5,376.8 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5270 (MHz)	f = MHz, Difference from 5290 (MHz)

W56			
20MHz system		40MHz system	80MHz system
DSSS, etc.	OFDM		
5,470 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 2.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz
	5,460 - 5,470 MHz : 12.5 μ W/MHz	5,460 - 5,470 MHz : 50 μ W/MHz	5,460 - 5,469.5 MHz : 50 μ W/MHz
5,730 MHz or more : 12.5 μ W/MHz	5,745 - 5,765 MHz : 12.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz	5,469.5 - 5,470 MHz : 51.2 μ W/MHz
	Over 5,765 MHz : 2.5 μ W/MHz		5,770 MHz or more : 12.5 μ W/MHz

W52 + W53		W56	
160MHz system			
5,099.6 MHz or less : 2.5 μ W/MHz	5,419.6 MHz or less : 12.5 μ W/MHz		
5,099.6 - 5,150 MHz : 15 μ W/MHz	5,419.6 - 5,470 MHz : 50 μ W/MHz		
5,350 - 5,400.4 MHz : 15 μ W/MHz	5,725 MHz or more : 12.5 μ W/MHz		
5,400.4 MHz or more : 2.5 μ W/MHz			

5.21GHz & (5.53GHz, 5.61GHz or 5.69GHz)	5.29GHz & (5.53GHz, 5.61GHz or 5.69GHz)	5.53GHz & 5.69GHz
80MHz + 80MHz system (Not adjacent radio)		
5,134.8 MHz or less : 2.5 μ W/MHz	5,214.8 MHz or less : 2.5 μ W/MHz	5,419.6 MHz or less : 12.5 μ W/MHz
5,134.8 - 5,150 MHz : 162.5 μ W/MHz	5,214.8 - 5,249 MHz : $10^{-(f-5214)/10}$ mW/MHz	5,419.6 - 5,470 MHz : 50 μ W/MHz
5,250 - 5,251 MHz : $10^{-(f-40)+\log(1/8)}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-40)+\log(1/8)}$ mW/MHz	
5,251 - 5,285.2 MHz : $10^{-(f-390)/10}$ mW/MHz	5,350 - 5,365.2 MHz : 15 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz
5,285.2 - 5,370 MHz : 2.5 μ W/MHz	5,365.2 - 5,410 MHz : 2.5 μ W/MHz	
5,370 - 5,454.8 MHz : 2.5 μ W/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 12.5 μ W/MHz)	5,410 - 5,454.8 MHz : 2.5 μ W/MHz	
5,454.8 - 5,470 MHz : 15 μ W/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 50 μ W/MHz)	5,454.8 - 5,470 MHz : 15 μ W/MHz	
5,730 MHz or more : 15 μ W/MHz	5,730 MHz or more : 15 μ W/MHz	
(*When used 5690MHz)	(*When used 5690MHz)	
5,770 MHz or more : 15 μ W/MHz	5,770 MHz or more : 15 μ W/MHz	
f = MHz, Difference from 5210 (MHz)	f = MHz, Difference from 5290 (MHz)	

5.6.2 Test Setup Diagram



5.6.3 Test Procedure

- Set the spectrum analyzer as follows to search for unwanted emissions:
 Frequency sweep width: (See Note 1);
 Resolution bandwidth: 1 MHz;
 Video bandwidth: Approximately same as the resolution bandwidth;
 Y-axis scale: 10 dB / div;
 Input level: A level to obtain the maximum dynamic range;
 Sweep time: Minimum time to ensure the measuring accuracy (See Note 2);
 Number of data points: 400 points or more (e.g. 1001 points);
 Sweep mode: Single sweep;
 Detection mode: Positive peak.
 - Set the spectrum analyzer as follows to measure unwanted emission level:
 Center frequency: Unwanted emission frequency (searched frequency);
 Frequency sweep width: 0 Hz;
 Resolution bandwidth: 1 MHz;
 Video bandwidth: Approximately same as the resolution bandwidth;
 Y-axis scale: 10 dB / div;
 Input level: A level to obtain the maximum dynamic range;
 Sweep time: Minimum time to ensure the measuring accuracy. However, for burst wave, the time shall be longer than duration of one burst.
 Number of data points: 400 points or more (e.g. 1001 points);
 Sweep mode: Single sweep;
 Detection mode: Sample.
- Note 2: In case of burst wave, sweep time can be set in accordance with the following formula to shorten the sweep time:

$$\text{Sweep time (s)} \geq (\text{frequency sweep width (MHz)} / \text{resolution bandwidth (MHz)}) \times \text{burst repetition period (sec)}.$$
 However detected signal level may be observed as lower than the actual level by 3 dB at the maximum and therefore careful measurement is required.
- Measuring procedures
- Set the spectrum analyzer according to spectrum analyzer settings and search for unwanted emissions by sweeping. When amplitude level of the searched emission is within the tolerance ("tolerance - 3 dB" in case of Note 3 in analyzer settings), the amplitude level is used as the measured value and the measurement in spectrum analyzer settings is not necessary.
 - When amplitude level of the searched emission exceeds the tolerance ("tolerance - 3 dB" in case of Note 3 in analyzer settings), narrow down the frequency sweep width sequentially from 100 MHz in order to raise frequency accuracy of the spectrum analyzer and measure frequency of the unwanted emission precisely. Set the spectrum analyzer according to spectrum analyzer settings and obtain the mean value of amplitude levels of the unwanted emission. In case of burst wave, obtain the mean value within each burst.
 - When EUT has plural antenna terminals, perform above measurement for each antenna terminal.

5.6.4 Test Deviation

There is no deviation with the original standard.

5.6.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.6.6 Test Data

PASS.

Please refer to Annex D for details.



5.7 Secondary Radiated Emissions Test

5.7.1 Test Requirement

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

5.7.2 Test Setup Diagram



5.7.3 Test Procedure

- (1) Set the dummy load attenuation to a range as low as possible (20 dB or less) because of low level measurement.
- (2) Set the spectrum analyzer as follows to search for secondary radiated emissions;
 - Frequency sweep width: (See Note 2.)
 - Resolution bandwidth: 100 kHz for frequency of below 1 GHz; 1 MHz for frequency of 1 GHz or higher.
 - Video bandwidth: Approximately same as the resolution bandwidth
 - Sweep time: Minimum time to ensure the measuring accuracy
 - Y-axis scale: 10 dB / div
 - Number of data points: 400 points or more (e.g. 1001 points)
 - Sweep mode: Single sweep
 - Detection mode: Positive peak

Note 2: Search for secondary radiated emissions from 30 MHz to 26 GHz.

- (3) Set the spectrum analyzer as follows to measure secondary radiated emission levels;
 - Center frequency: Frequency of secondary radiated emission to be measured (searched frequency)
 - Frequency sweep width: 0 Hz
 - Resolution bandwidth: 100 kHz for frequency of below 1 G Hz; 1 MHz for frequency of 1 GHz or higher
 - Video bandwidth: Approximately same as the resolution bandwidth
 - Sweep time: Minimum time to ensure the measuring accuracy
 - Y-axis scale: 10 dB / div;
 - Number of data points: 400 points or more (e.g. 1001 points)
 - Sweep mode: Single sweep
 - Detection mode: Positive peak

Measuring procedures

- (1) Set the spectrum analyzer according to spectrum analyzer settings and search for the maximum amplitude level of secondary radiated emissions.
- (2) When the maximum amplitude level of the searched emissions is one tenth (1 / 10) or less of the tolerance, put the level as the measured value.
- (3) When the maximum amplitude level of the searched emissions is over one tenth (1 / 10) of the tolerance, narrow down the frequency sweep width sequentially from 100 MHz up to approximately 10 times the resolution bandwidth in order to raise the center frequency accuracy of the spectrum analyzer and read the frequency. Then set the spectrum analyzer according to spectrum analyzer settings and measure the mean power by averaging the levels.
- (4) When EUT has plural antenna terminals, above measurement shall be conducted for each terminal.

5.7.4 Test Deviation

There is no deviation with the original standard.

5.7.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.7.6 Test Data

PASS.

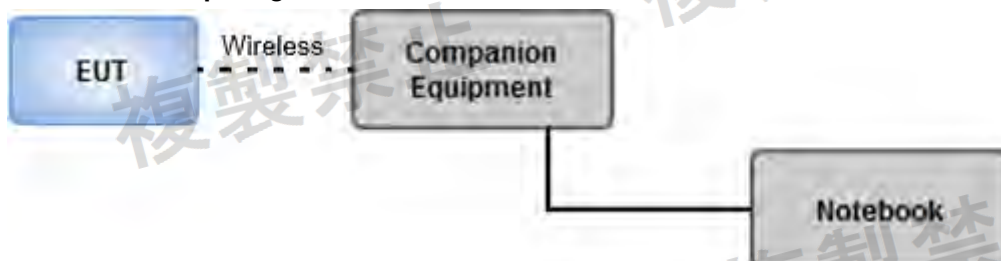
Please refer to Annex D for details.

5.8 Interference Prevention Function

5.8.1 Test Requirement

Item	Limits
	EUT shall have a function of automatic transmission or reception of identification code.

5.8.2 Test Setup Diagram



5.8.3 Test Procedure

- (1) The demodulator shall be able to demodulate signals transmitted from the EUT and display description on a received identification code.
- (2) The "equipment to communicate with EUT" shall be able to transmit identification code equivalent to the code transmitted from the EUT.

Measuring procedures

- (1) In case that the EUT has a function to transmit identification code automatically;
 - a. Transmit a specified identification code from the EUT.
 - b. Verify the transmitted identification code using the demodulator.
- (2) In case that the EUT has a function to receive identification code automatically;
 - a. Transmit a specified identification code from the "equipment to communicate with EUT".
 - b. Verify that communication is normally conducted.
 - c. Transmit a code other than the specified identification code from the "equipment to communicate with EUT".
 - d. Verify that the EUT stops the transmission or the display indicates message showing wrong identification code.
- (3) If above conditions cannot be achieved, confirm them from the submitted documents.

5.8.4 Test Deviation

There is no deviation with the original standard.

5.8.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.8.6 Test Data

PASS.

Mode	ID Code	Test Results
5G WiFi	D3:32:E2:04:16:C4	Pass

5.9 Carrier sensing function

5.9.1 Test Requirement

Item	Limits
	Field intensity in the direction of the maximum gain of a receiving antenna: 100mV/m Start transmission after performing a carrier sense. However, when transmission and reception are controlled from the radio equipment and when the radio equipment which performed transmission resumes transmission within 8millisecond after a career sense, it can omit performing a career sense.

5.9.2 Test Setup Diagram



5.9.3 Test Procedure

- (1) Set the dummy load attenuation to a range as low as possible (20 dB or less) because of low level measurement.
- (2) Set the spectrum analyzer as follows to search for secondary radiated emissions;
 - Frequency sweep width: (See Note 2.)
 - Resolution bandwidth: 100 kHz for frequency of below 1 GHz; 1 MHz for frequency of 1 GHz or higher.
 - Video bandwidth: Approximately same as the resolution bandwidth
 - Sweep time: Minimum time to ensure the measuring accuracy
 - Y-axis scale: 10 dB / div
 - Number of data points: 400 points or more (e.g. 1001 points)
 - Sweep mode: Single sweep
 - Detection mode: Positive peak

Note 2: Search for secondary radiated emissions from 30 MHz to 26 GHz.

- (3) Set the spectrum analyzer as follows to measure secondary radiated emission levels;
 - Center frequency: Frequency of secondary radiated emission to be measured (searched frequency)
 - Frequency sweep width: 0 Hz
 - Resolution bandwidth: 100 kHz for frequency of below 1 G Hz; 1 MHz for frequency of 1 GHz or higher
 - Video bandwidth: Approximately same as the resolution bandwidth
 - Sweep time: Minimum time to ensure the measuring accuracy
 - Y-axis scale: 10 dB / div;
 - Number of data points: 400 points or more (e.g. 1001 points)
 - Sweep mode: Single sweep
 - Detection mode: Positive peak

Measuring procedures

- (1) Set the spectrum analyzer according to spectrum analyzer settings and search for the maximum amplitude level of secondary radiated emissions.
- (2) When the maximum amplitude level of the searched emissions is one tenth (1 / 10) or less of the tolerance, put the level as the measured value.
- (3) When the maximum amplitude level of the searched emissions is over one tenth (1 / 10) of the tolerance, narrow down the frequency sweep width sequentially from 100 MHz up to approximately 10 times the resolution bandwidth in order to raise the center frequency accuracy of the spectrum analyzer and read the frequency. Then set the spectrum analyzer according to spectrum analyzer settings and measure the mean power by averaging the levels.
- (4) When EUT has plural antenna terminals, above measurement shall be conducted for each terminal.

5.9.4 Test Deviation

There is no deviation with the original standard.

5.9.5 EUT Operation during Test

The EUT was programmed to be in continuous transmit, channel-selected mode.

5.9.6 Test Data

PASS.

Test Data:

Mode	Normal Voltage	High Voltage	Low Voltage	Verdict
802.11a	Ok	N/A	N/A	Pass
802.11n(HT20)	Ok	N/A	N/A	Pass
802.11n(HT40)	Ok	N/A	N/A	Pass
802.11ac(VHT20)	Ok	N/A	N/A	Pass
802.11ac(VHT40)	Ok	N/A	N/A	Pass
802.11ac(VHT80)	Ok	N/A	N/A	Pass

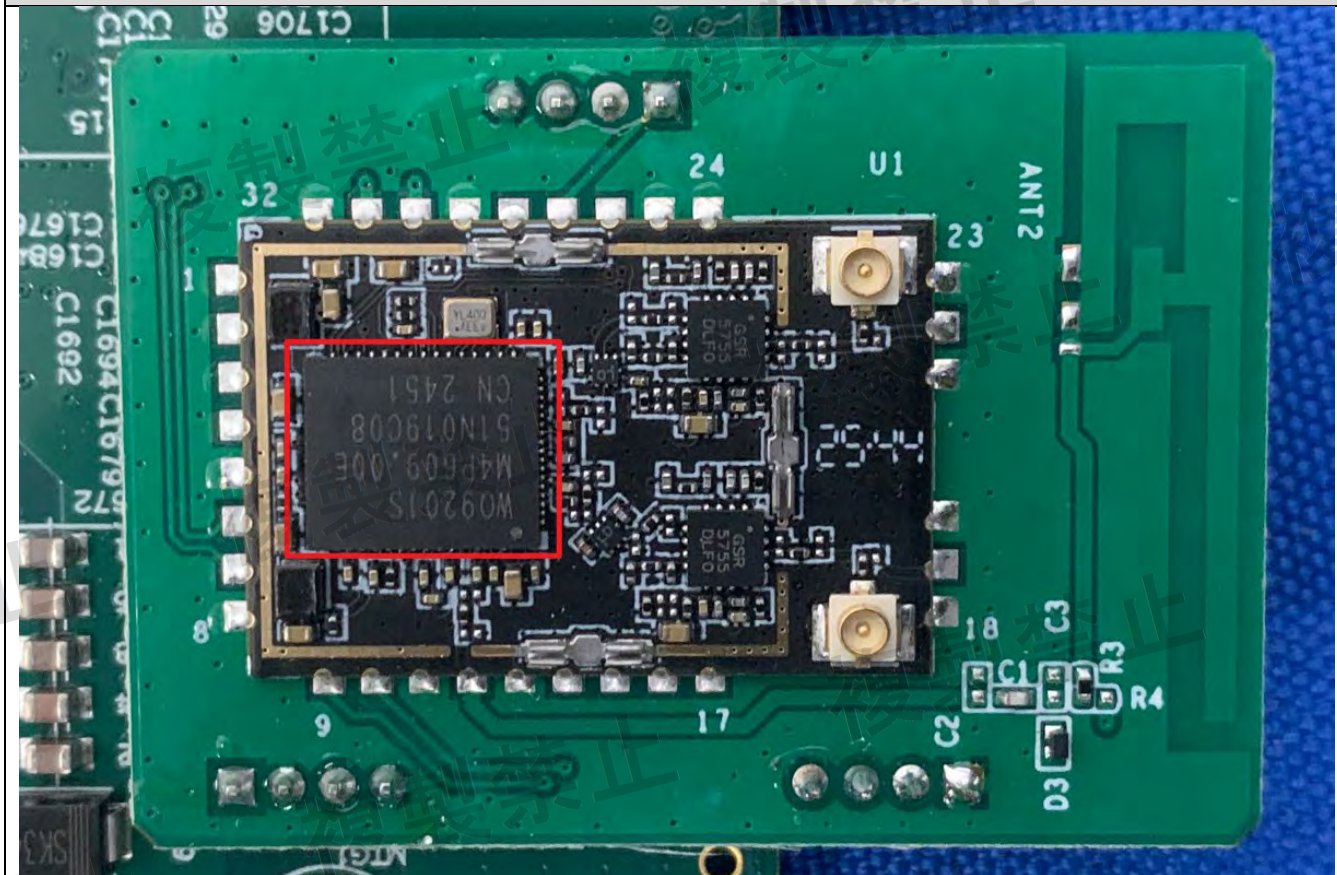
Note:

$P_{in}=22.79+Gr-20*\log(Freq\ MHz)[dBm]$

Limit: 100mw/m eirp

Confirmed at -50dBm

The RF and modulation portions are protected against illegal modification as following method:

Reference Photo

ANNEX A TEST SETUP PHOTOS

Please refer to the document "8430EU122714W-AA.PDF"

ANNEX B EXTERNAL PHOTOS

Please refer to the document "8430EU122714W-AB.PDF"

ANNEX C INTERNAL PHOTOS

Please refer to the document "8430EU122714W-AC.PDF"

ANNEX D TEST DATA

1. Frequency Error

1.1 Test Result

1.1.1 Ant1

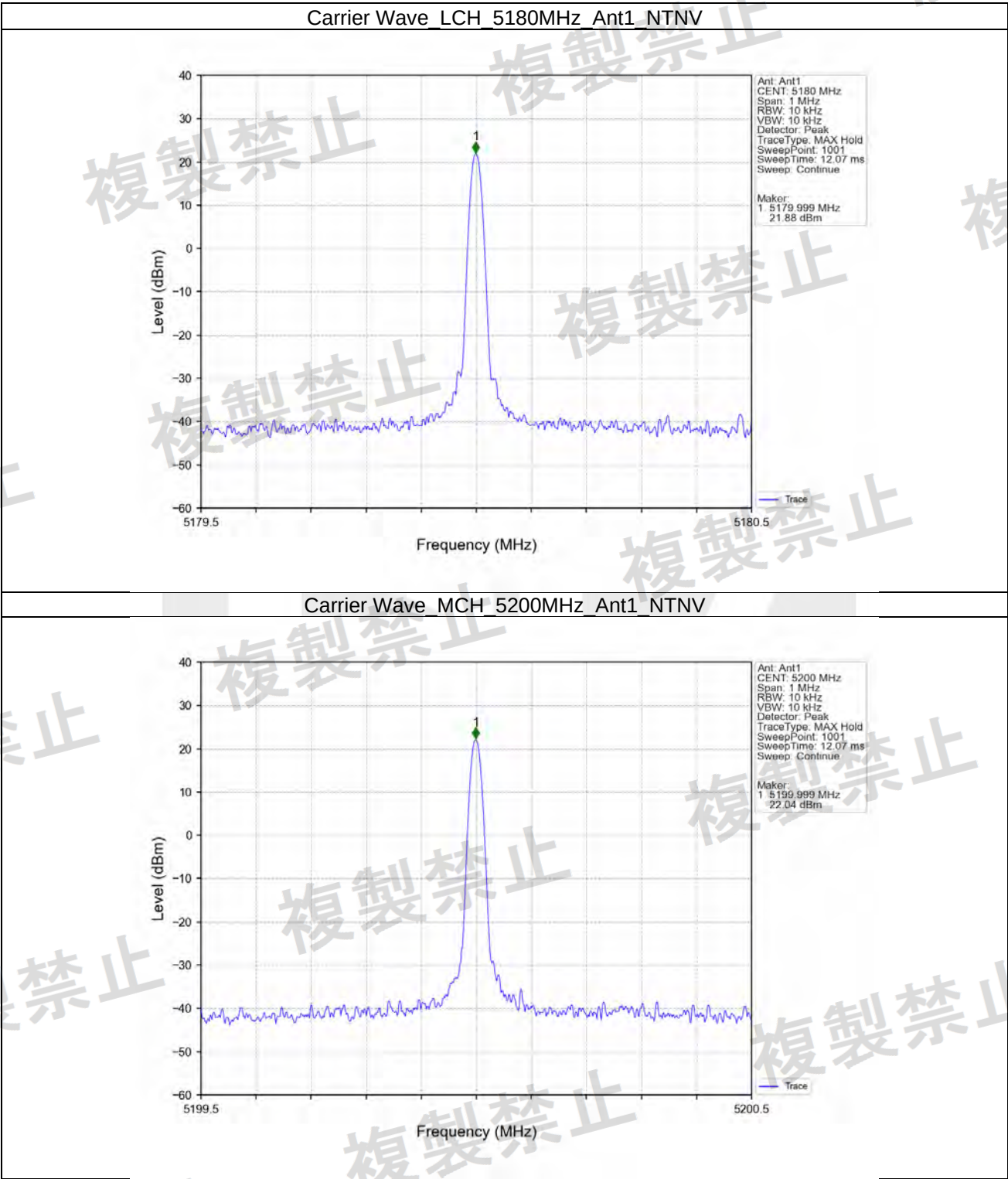
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5179.999	-0.19	-20 to 20	Pass
			5200	5199.999	-0.19	-20 to 20	Pass
			5240	5240.000	0.00	-20 to 20	Pass
			5190	5189.999	-0.19	-20 to 20	Pass
			5230	5229.999	-0.19	-20 to 20	Pass
			5210	5210.001	0.19	-20 to 20	Pass

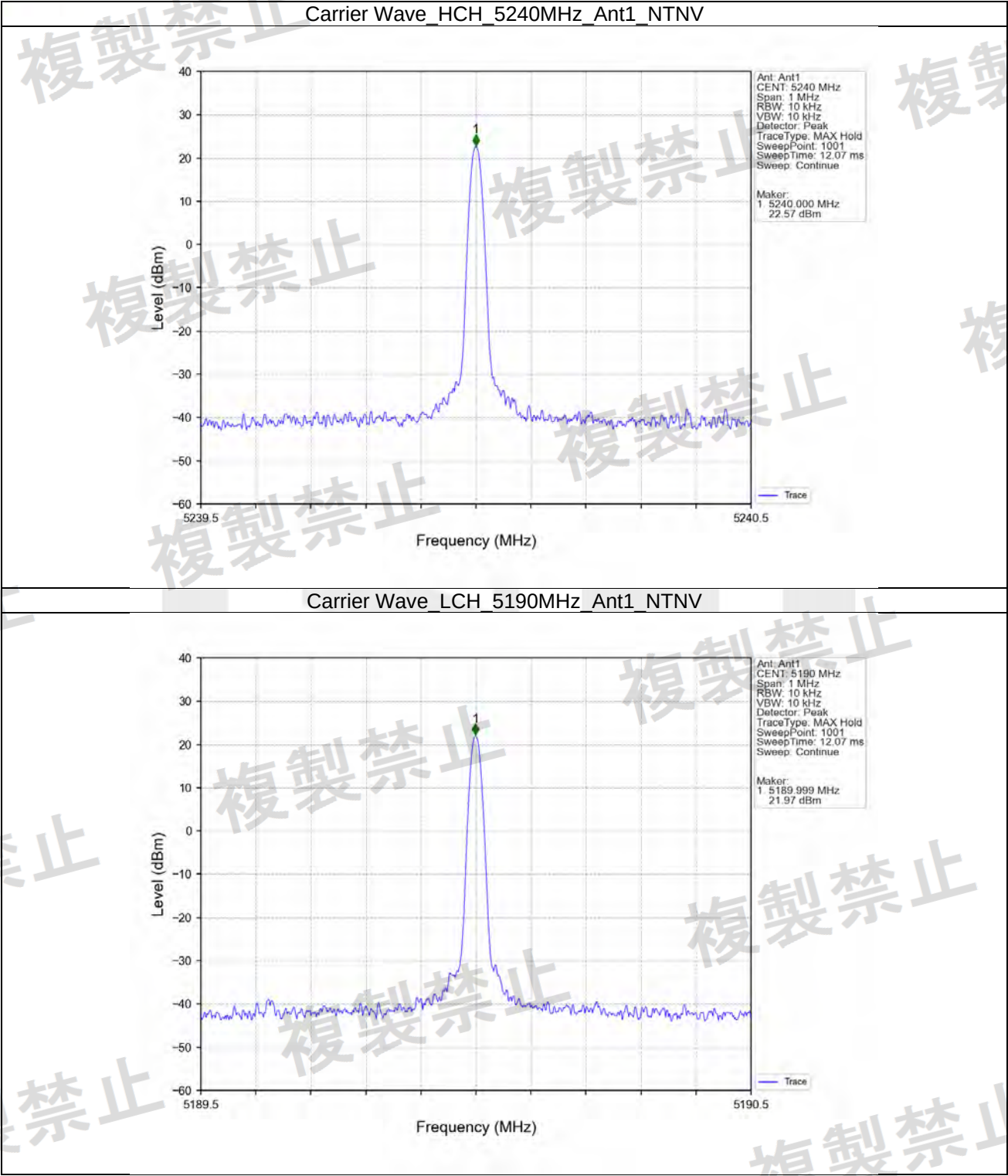
1.1.2 Ant2

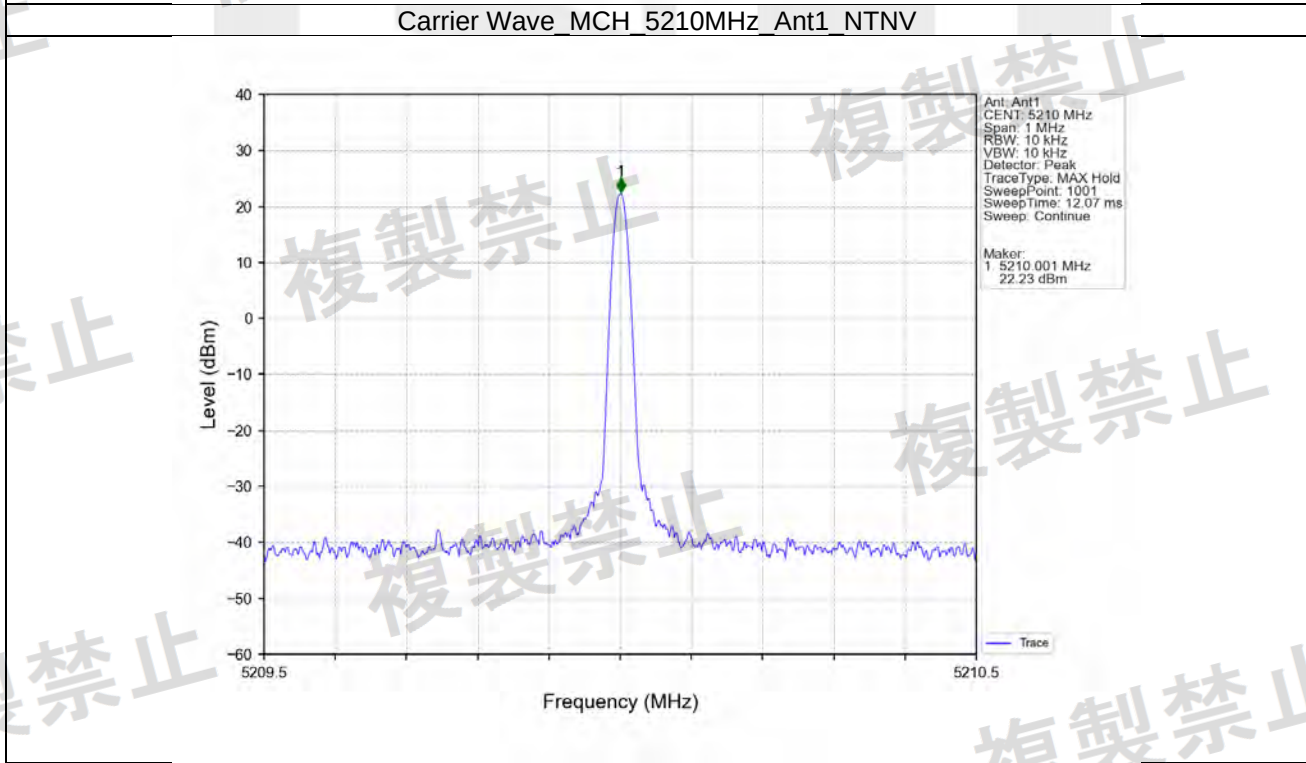
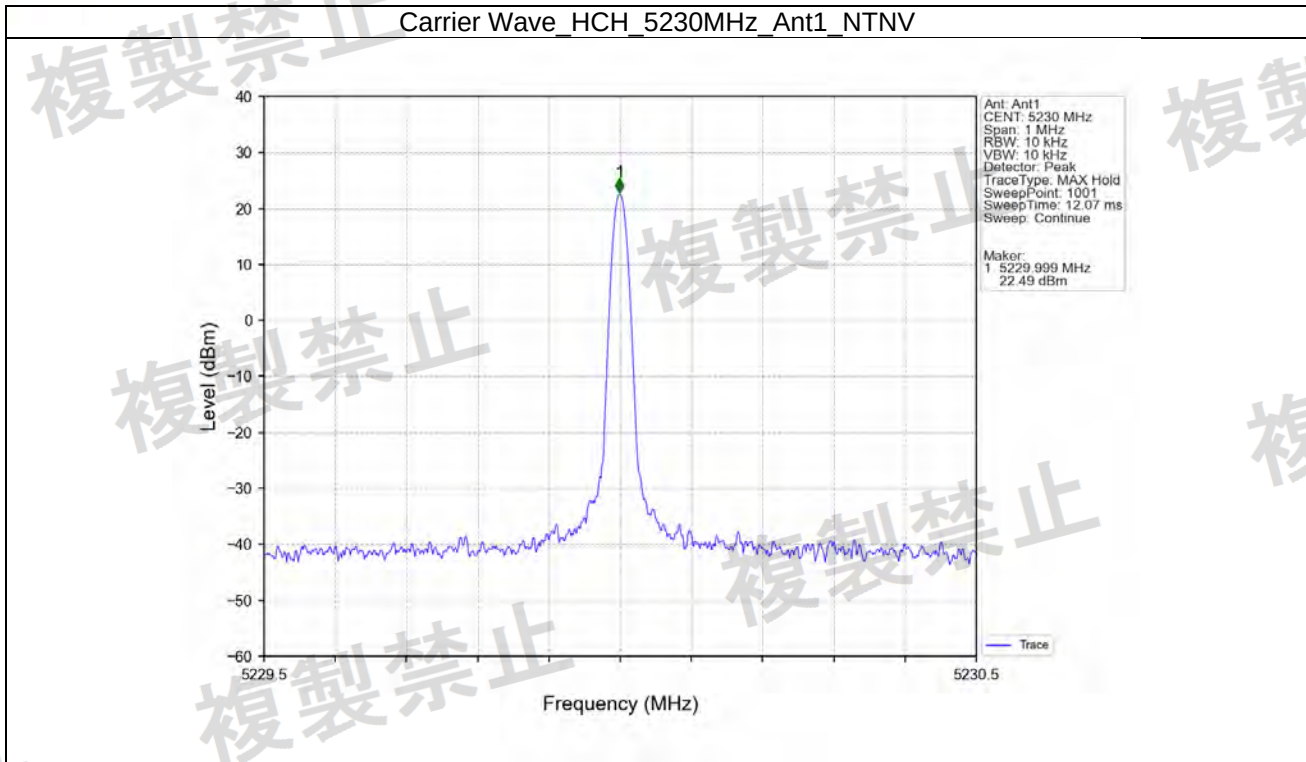
Ant2							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5179.991	-1.74	-20 to 20	Pass
			5200	5199.996	-0.77	-20 to 20	Pass
			5240	5239.996	-0.76	-20 to 20	Pass
			5190	5189.996	-0.77	-20 to 20	Pass
			5230	5229.996	-0.76	-20 to 20	Pass
			5210	5209.997	-0.58	-20 to 20	Pass

1.2 Test Graph

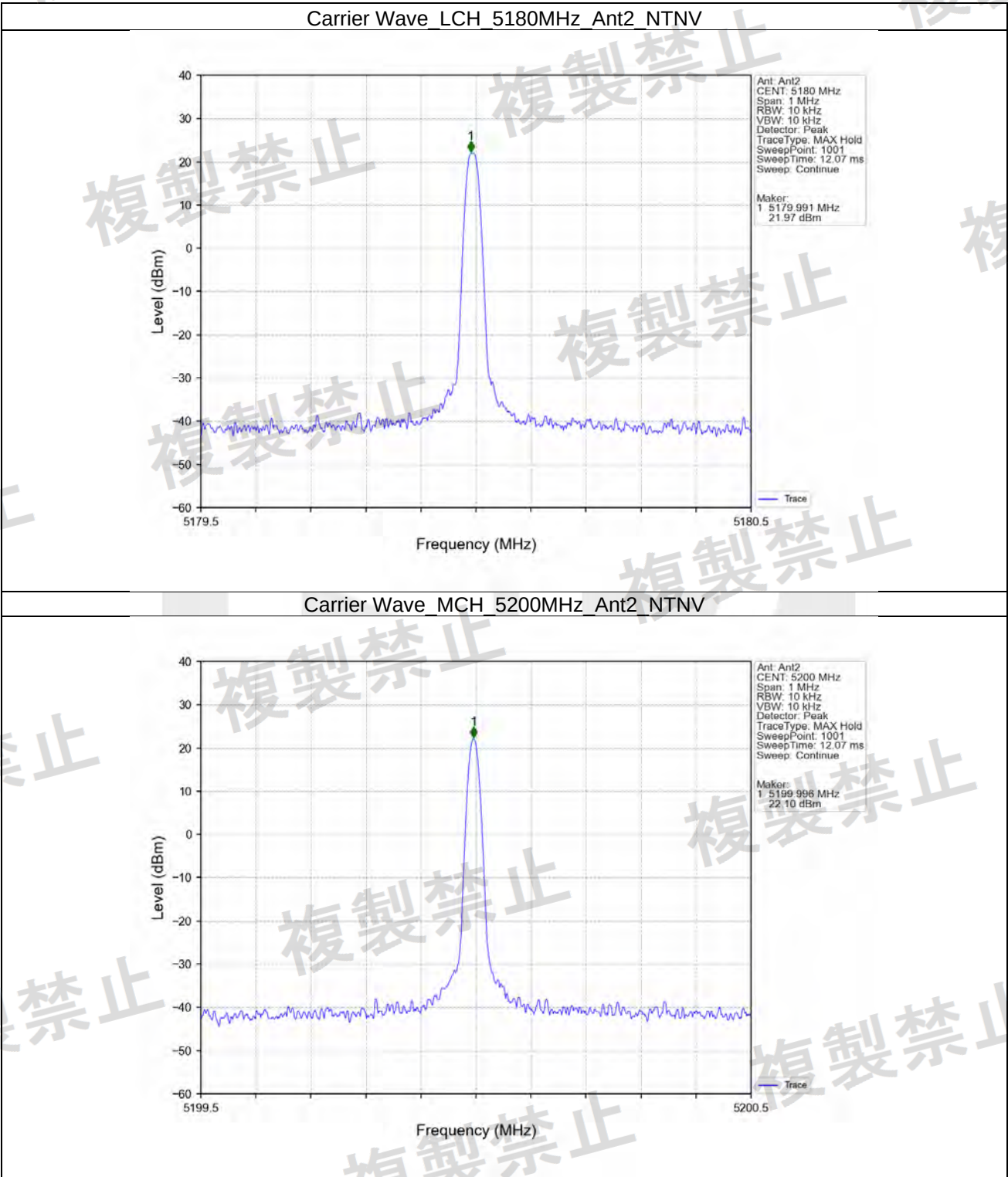
1.2.1 Ant1

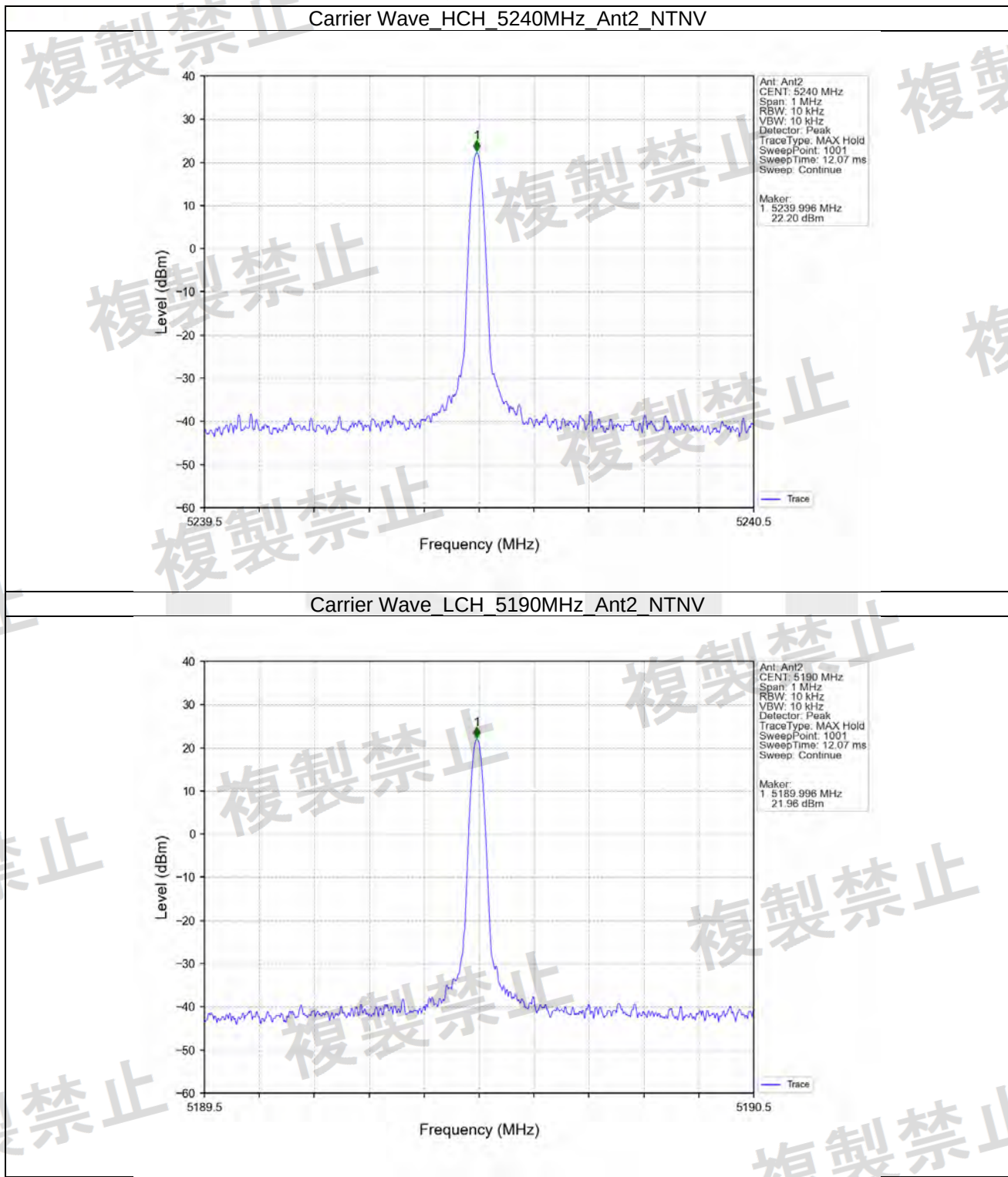


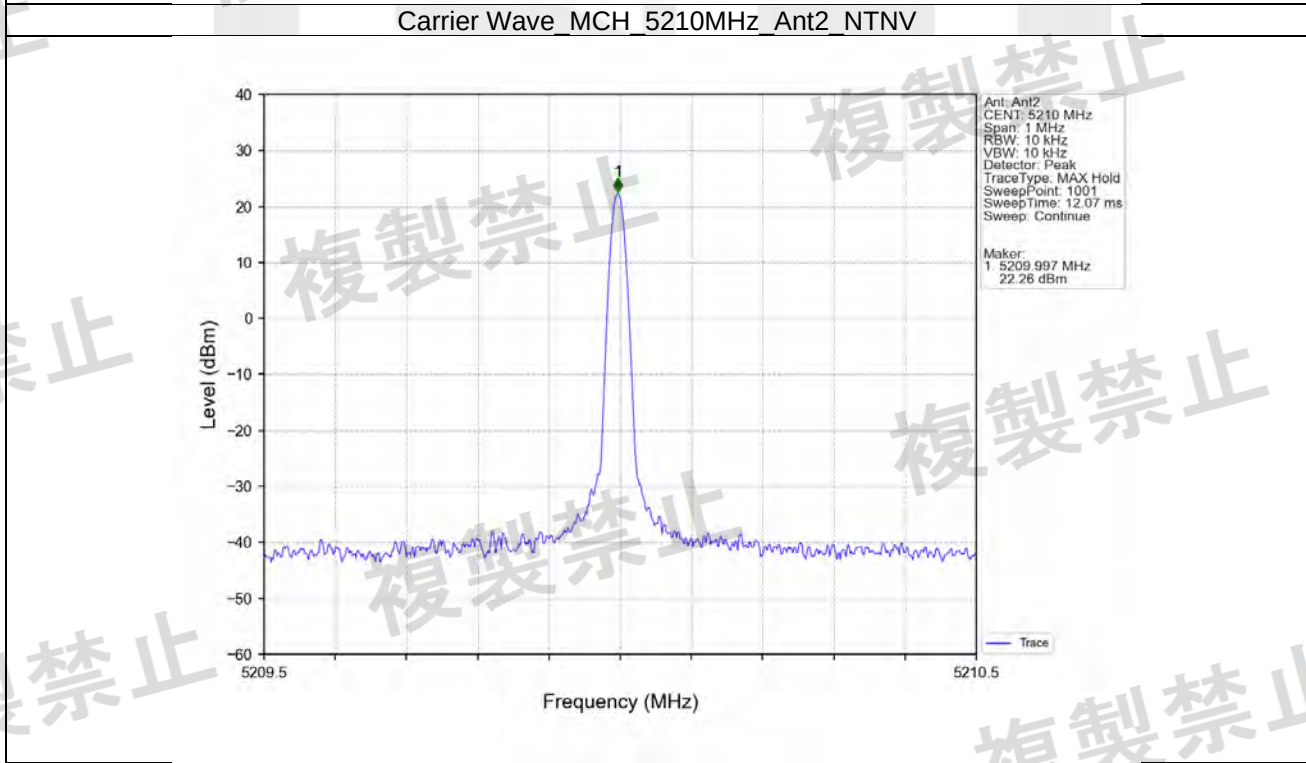
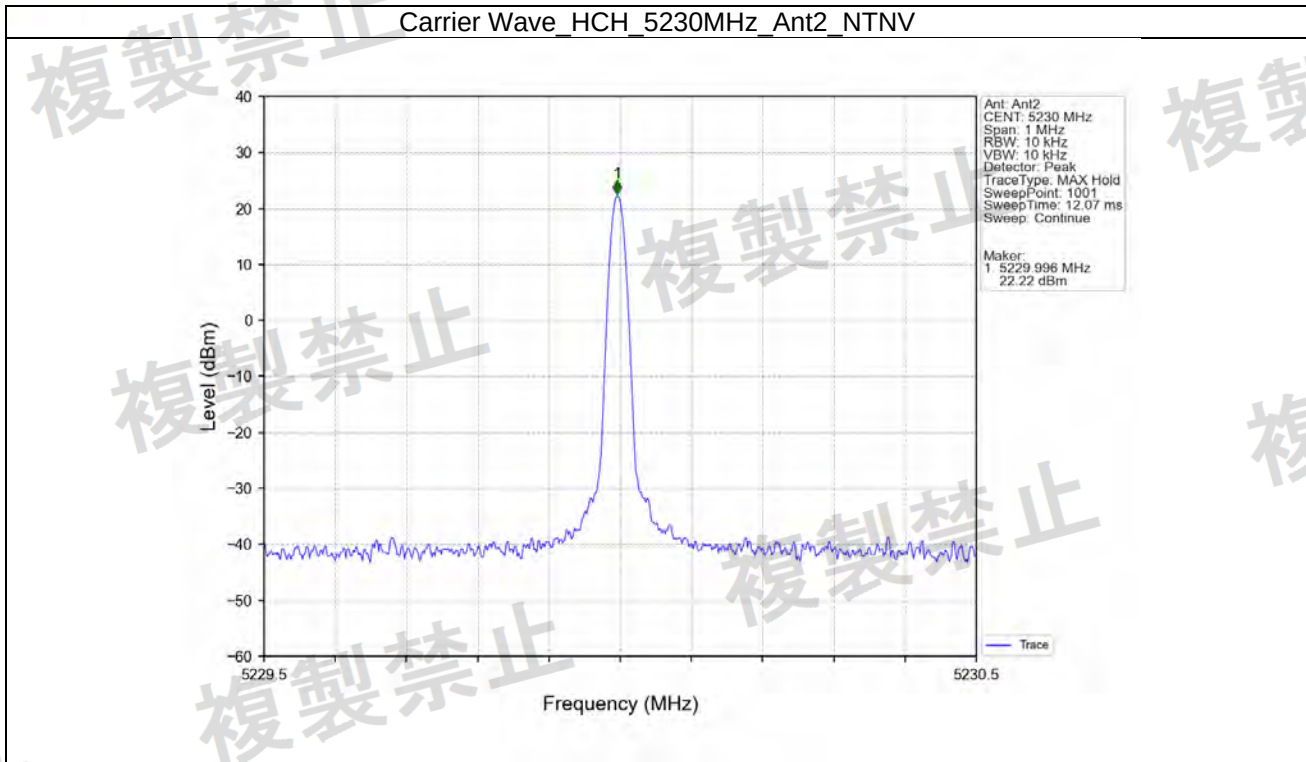




1.2.2 Ant2







2. Occupied Bandwidth

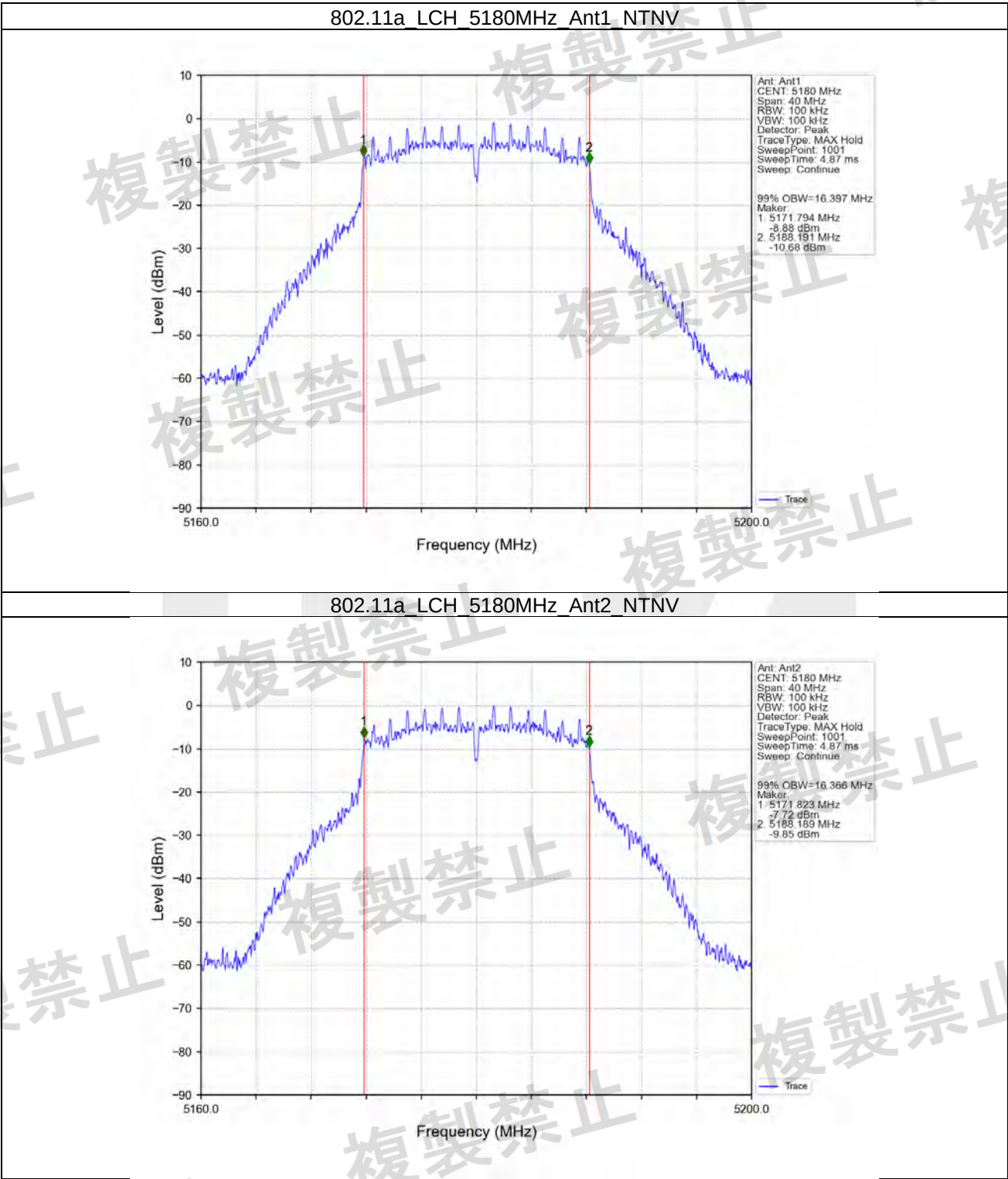
2.1 Test Result

2.1.1 OBW

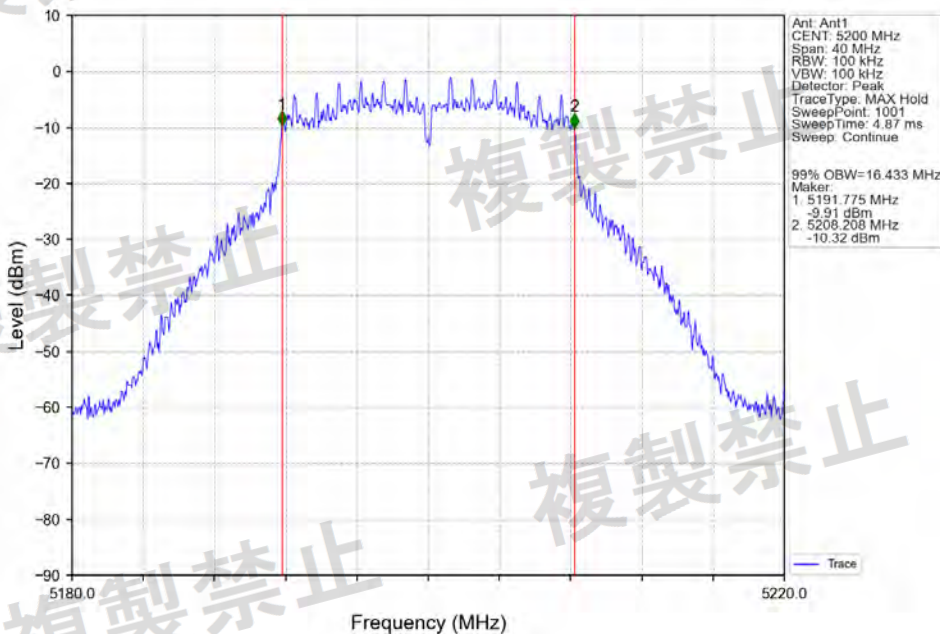
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Verdict
				ANT1	ANT2	Limit	
NTNV	802.11a	SISO	5180	16.397	16.366	<=20	Pass
			5200	16.433	16.393	<=20	Pass
			5240	16.389	16.407	<=20	Pass
	802.11n (HT20)	SISO	5180	17.563	17.580	<=20	Pass
			5200	17.574	17.593	<=20	Pass
			5240	17.603	17.603	<=20	Pass
	802.11n (HT40)	SISO	5190	35.913	35.945	<=40	Pass
			5230	36.015	35.960	<=40	Pass
	802.11ac (VHT20)	SISO	5180	17.579	17.600	<=20	Pass
			5200	17.595	17.589	<=20	Pass
			5240	17.591	17.591	<=20	Pass
	802.11ac (VHT40)	SISO	5190	35.938	35.949	<=40	Pass
			5230	36.012	35.958	<=40	Pass
	802.11ac (VHT80)	SISO	5210	75.116	75.176	<=80	Pass

2.2 Test Graph

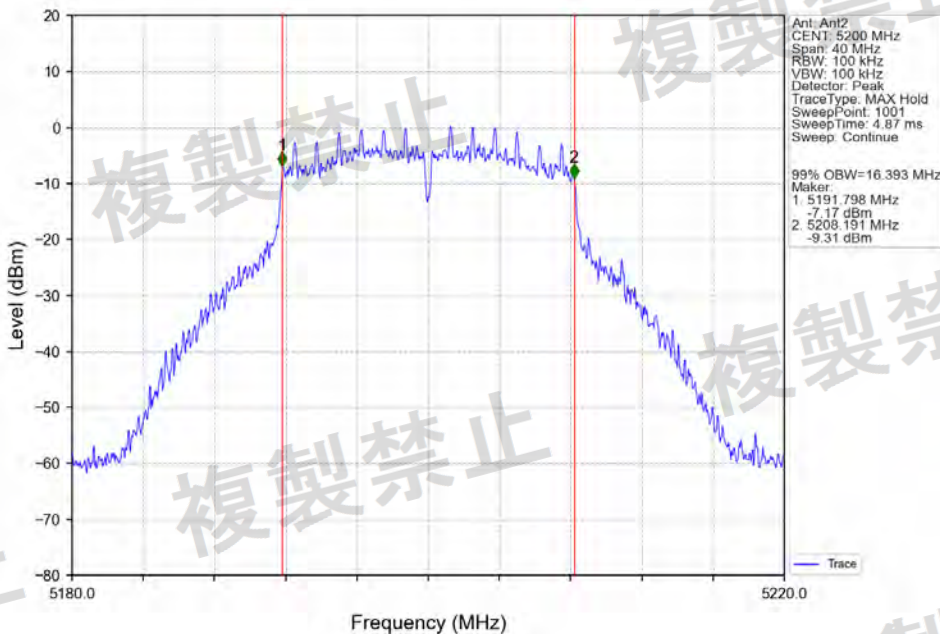
2.2.1 OBW



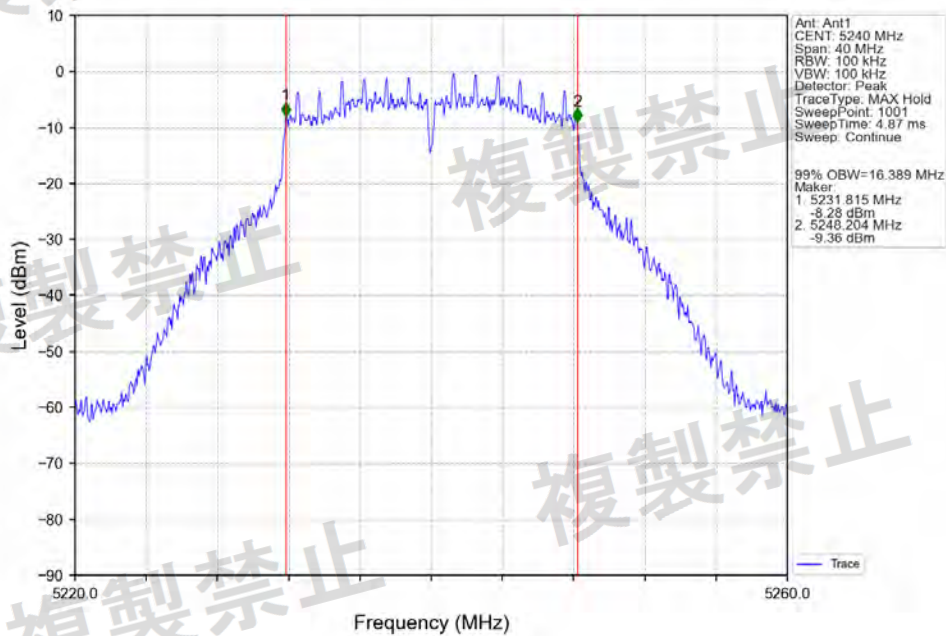
802.11a_MCH_5200MHz_Ant1_NTNV



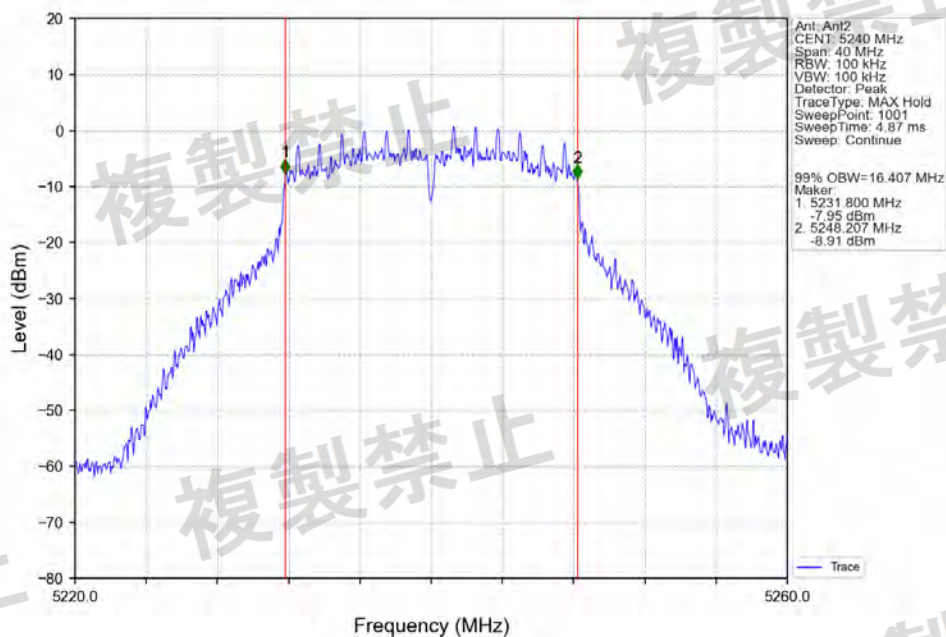
802.11a_MCH_5200MHz_Ant2_NTNV



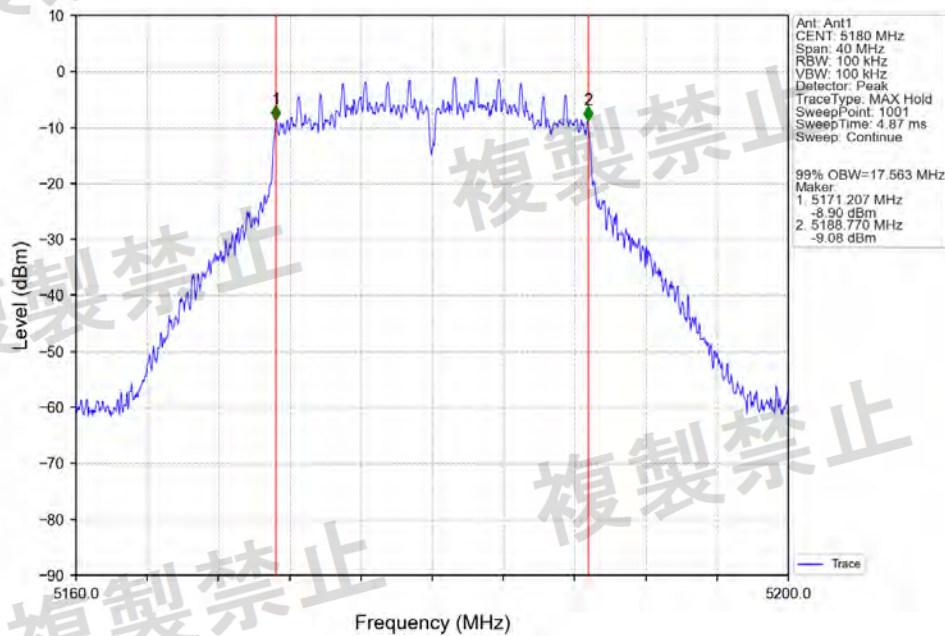
802.11a_HCH_5240MHz_Ant1_NTNV



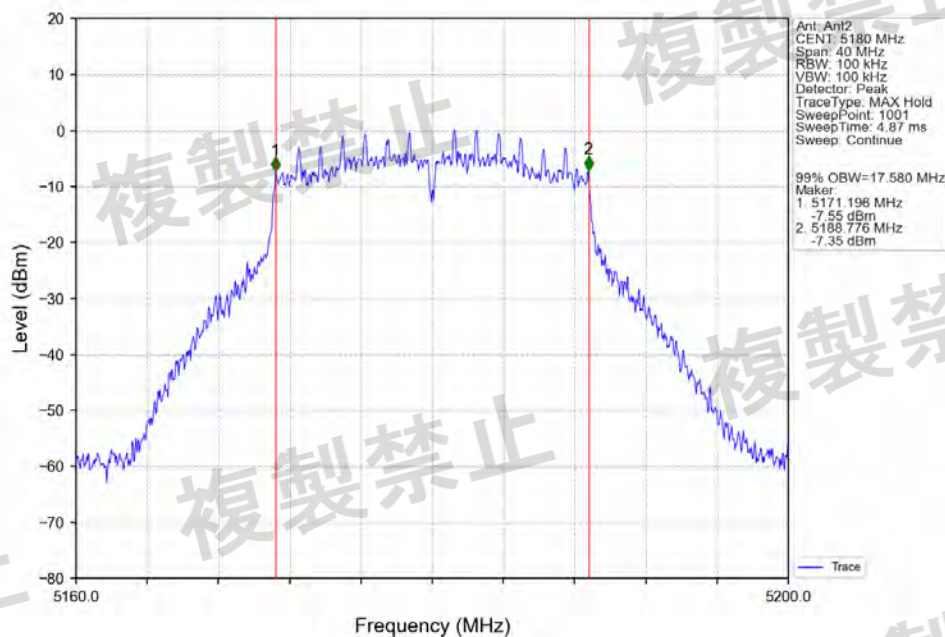
802.11a_HCH_5240MHz_Ant2_NTNV



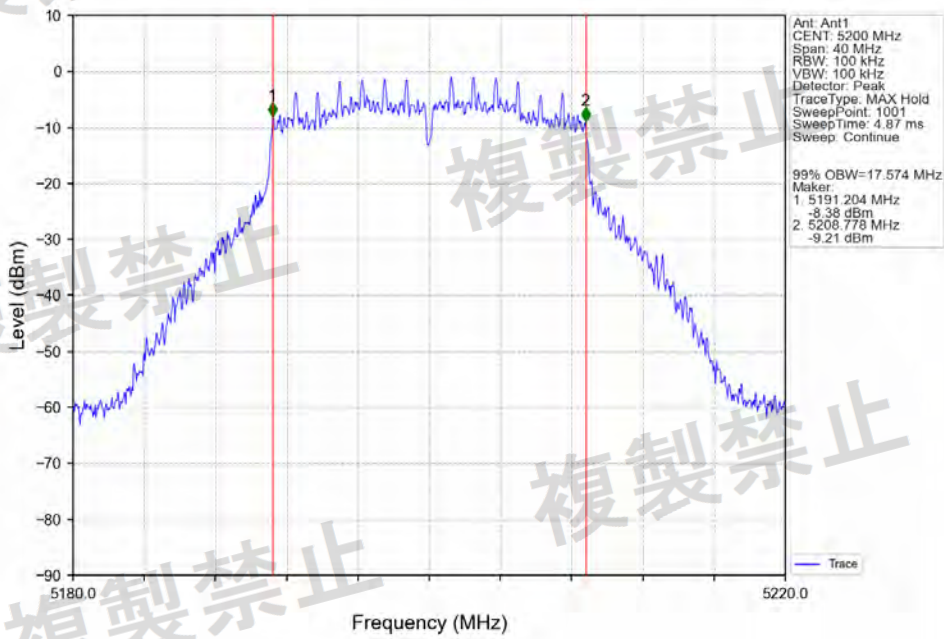
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



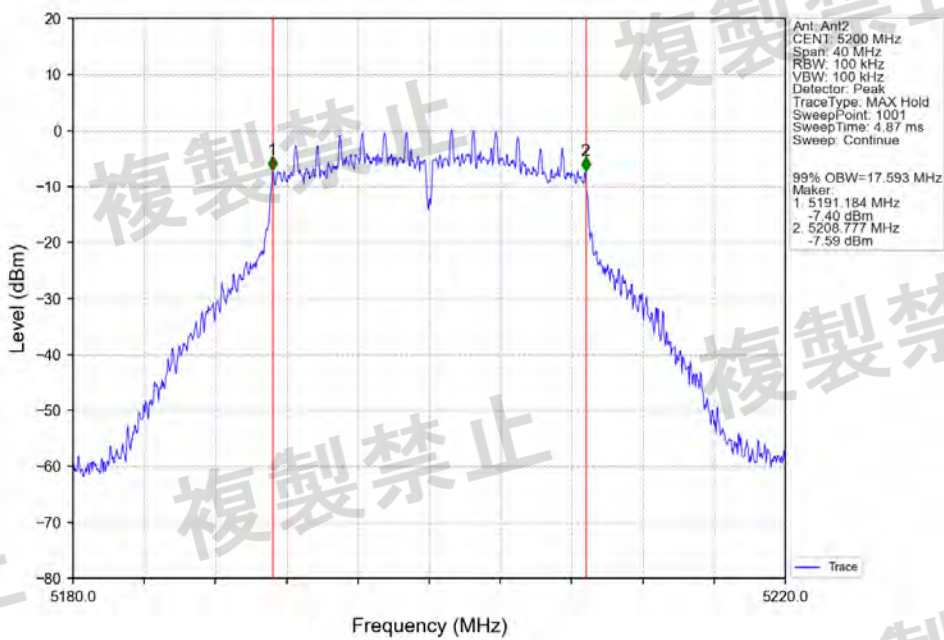
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

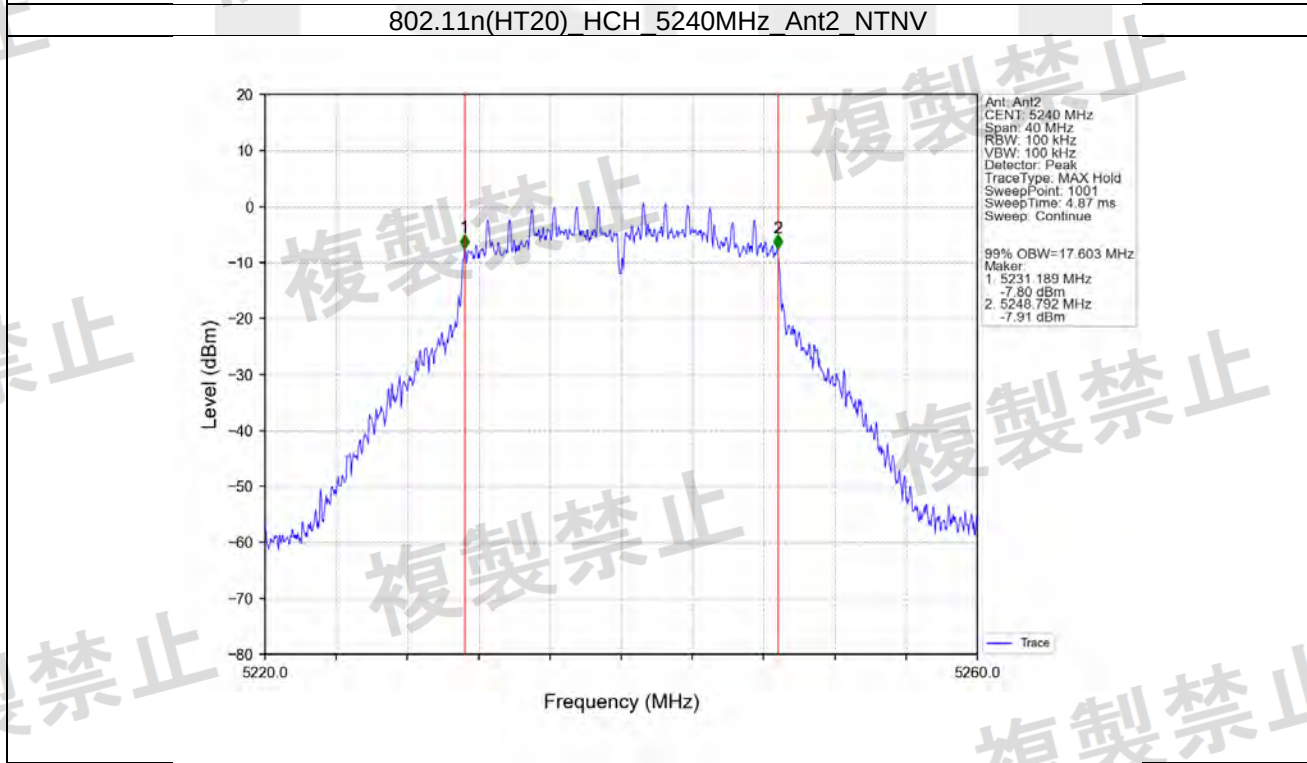
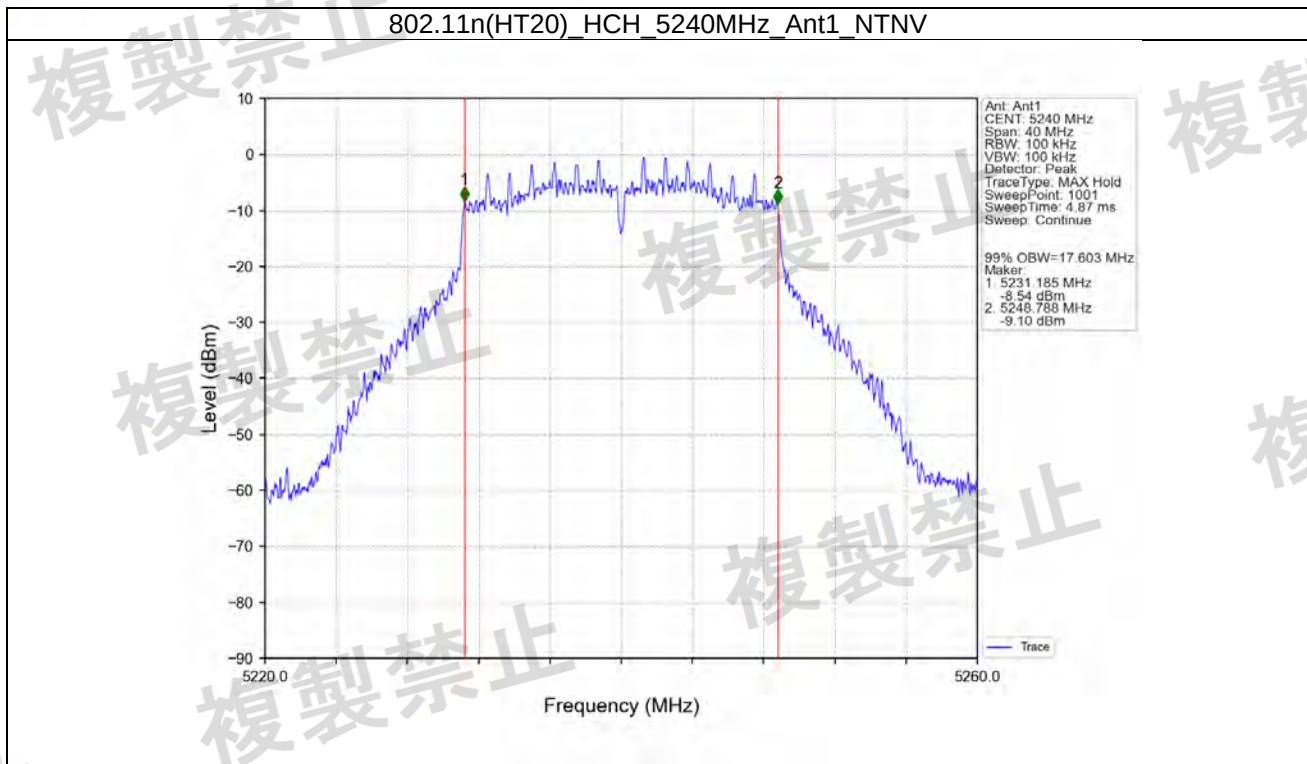


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

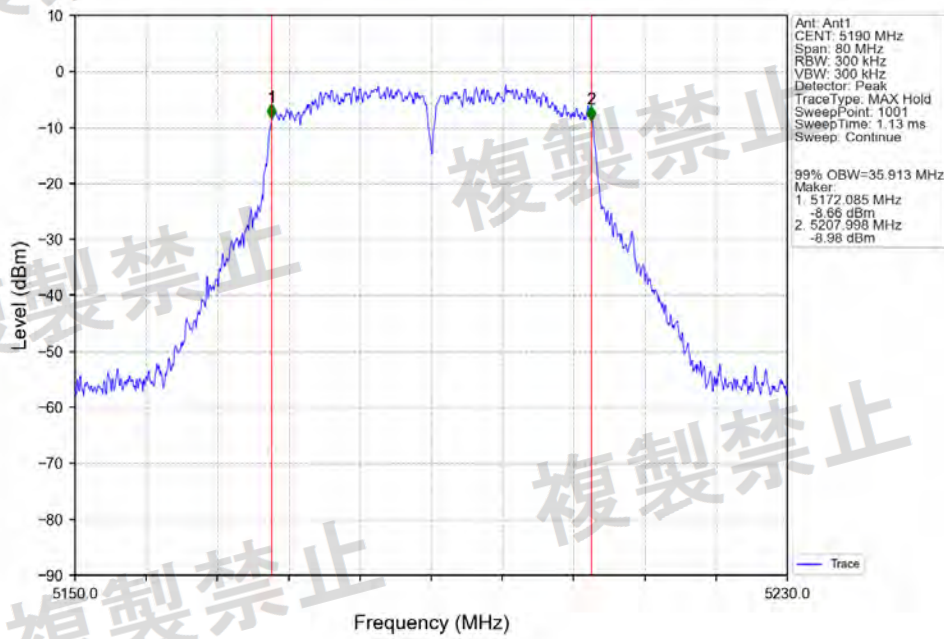


802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

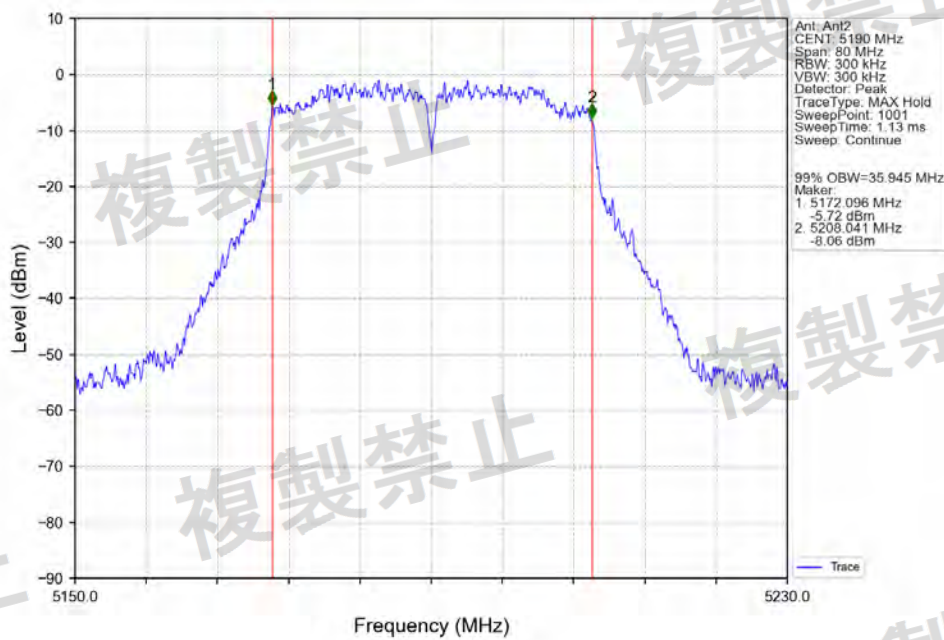




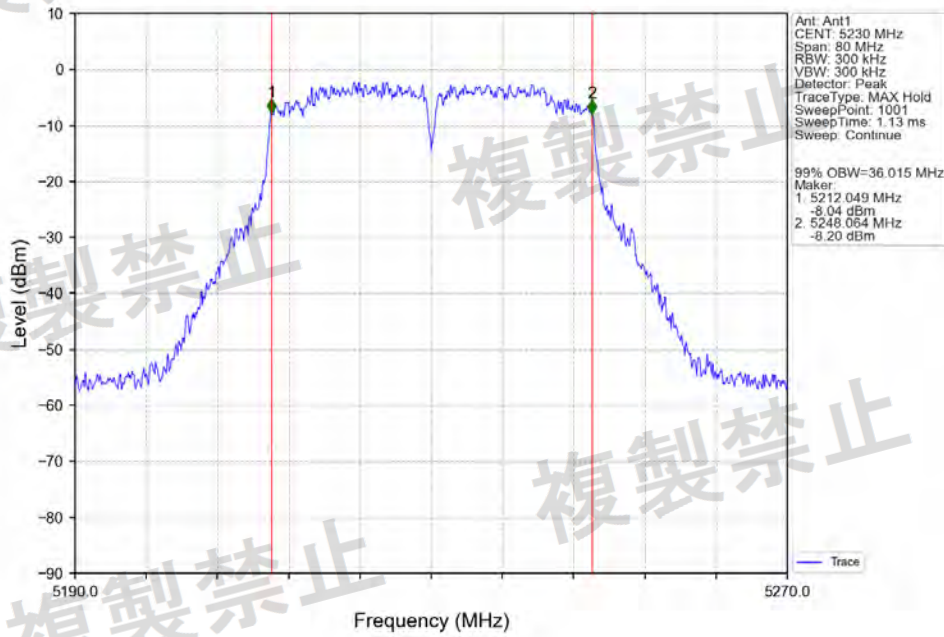
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



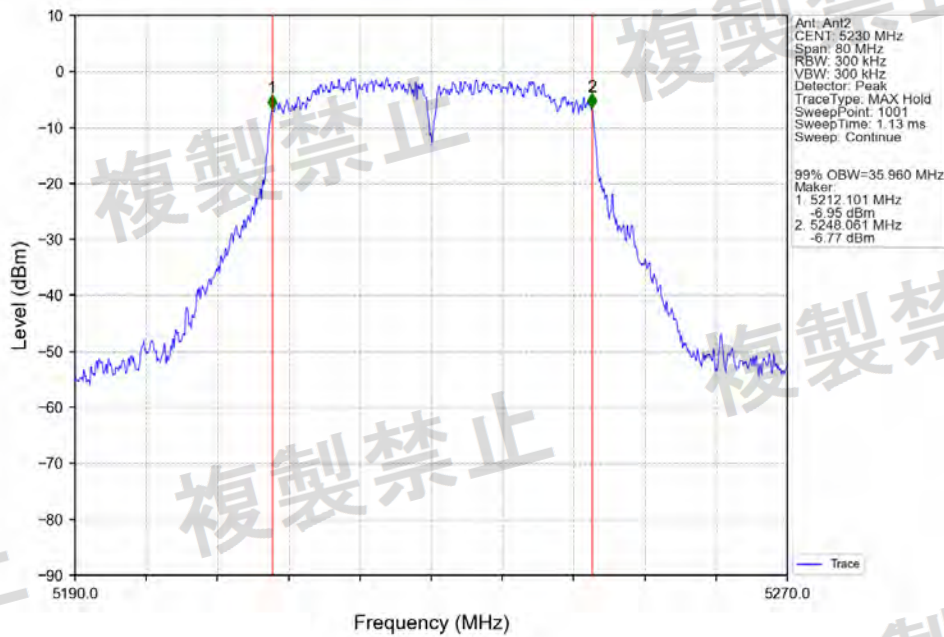
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



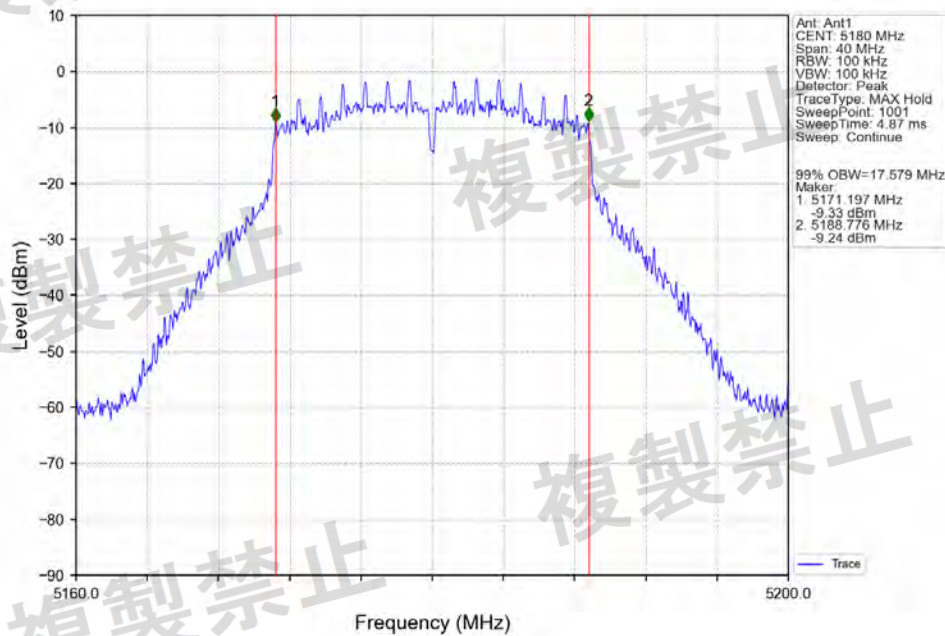
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



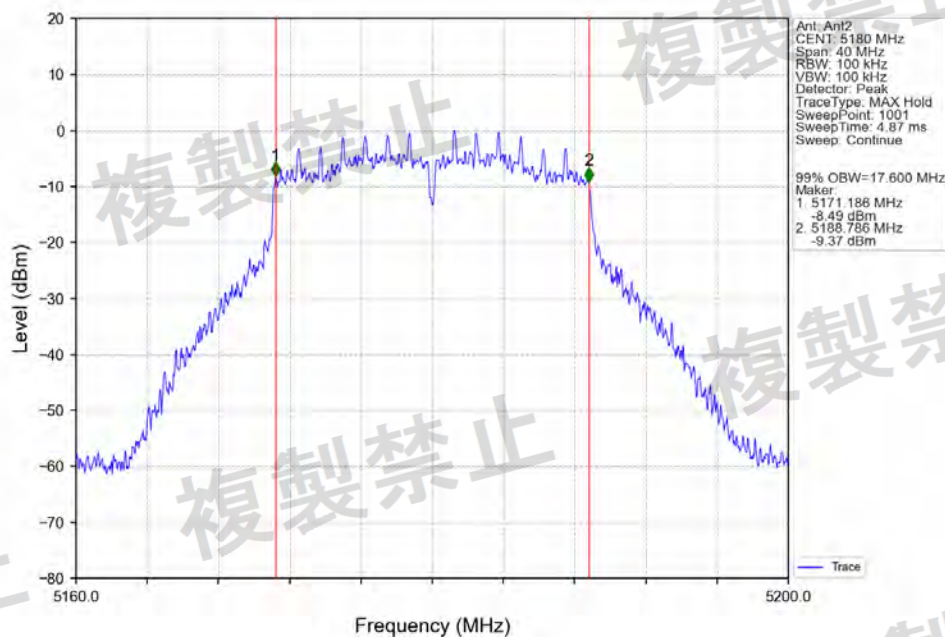
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



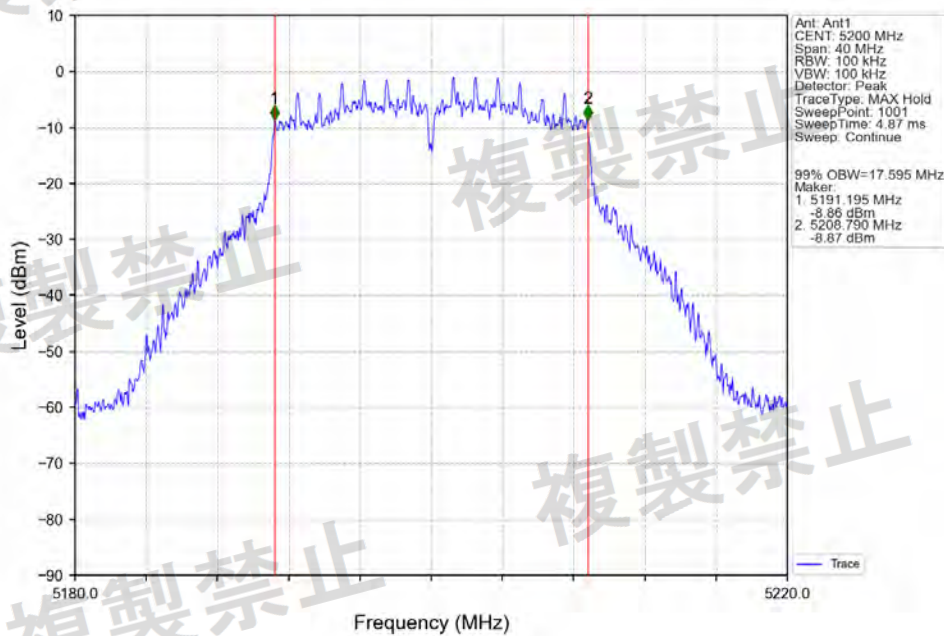
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



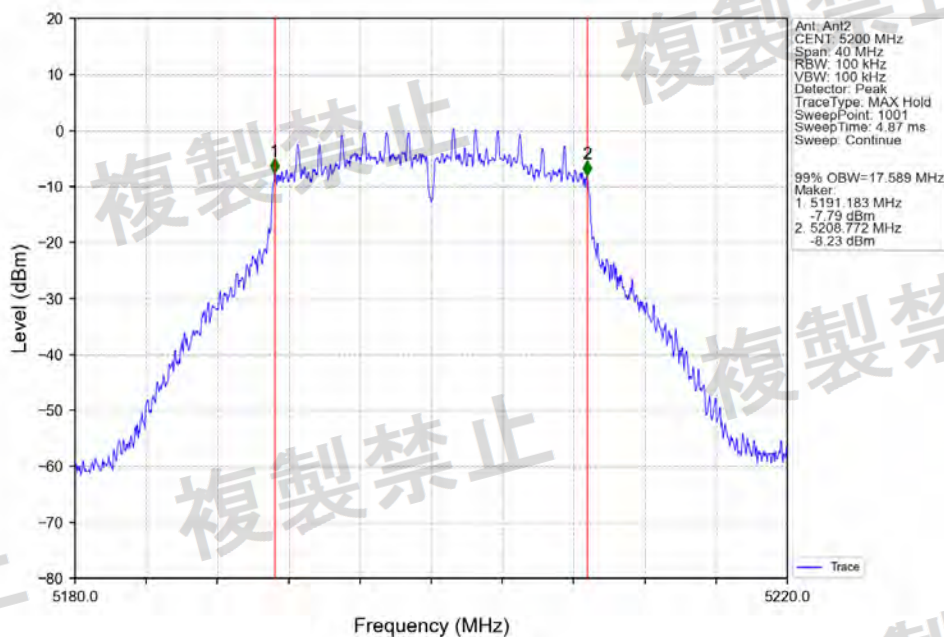
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

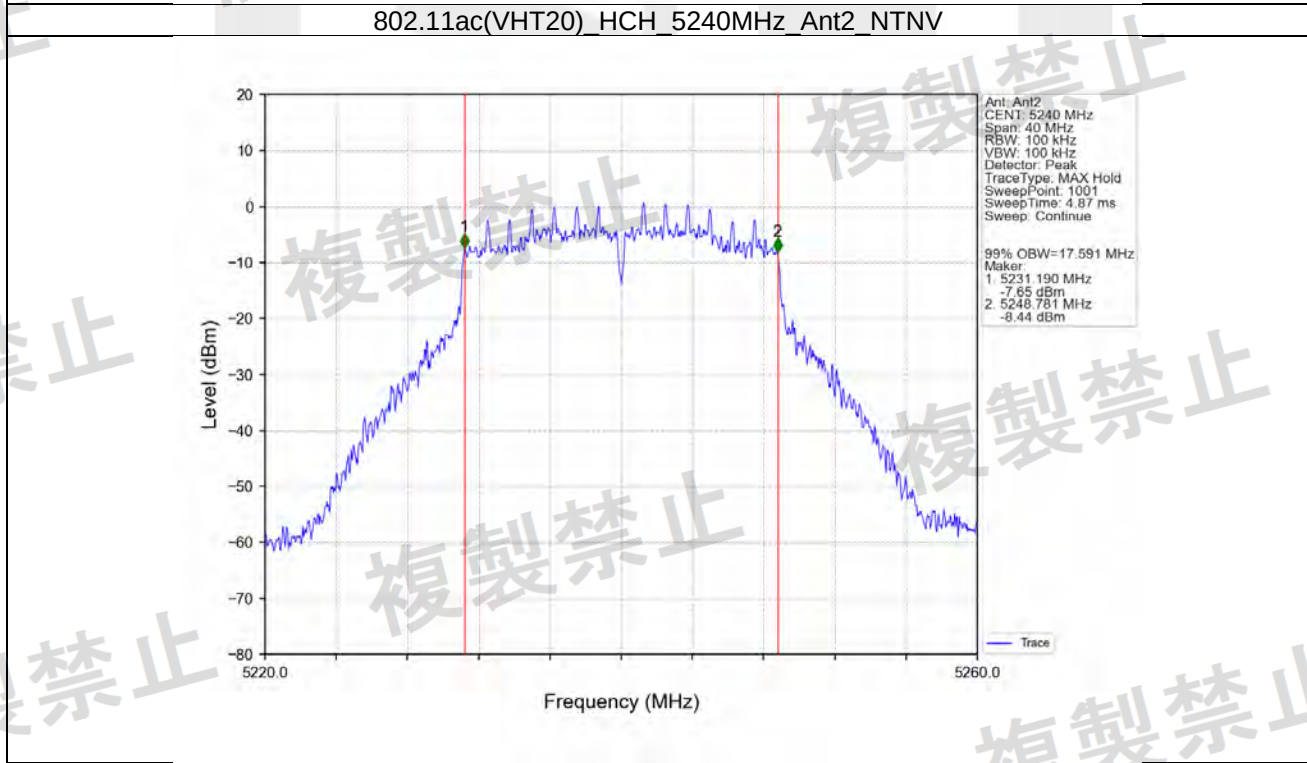
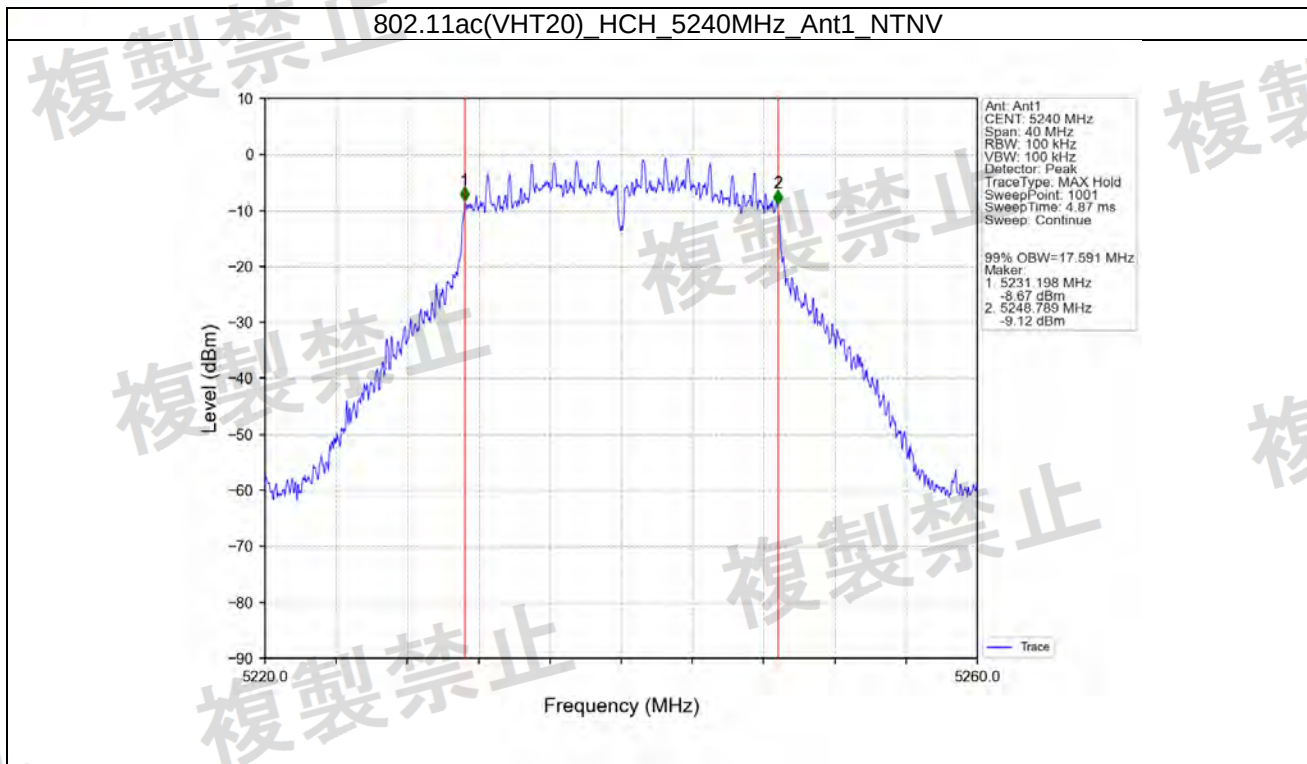


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

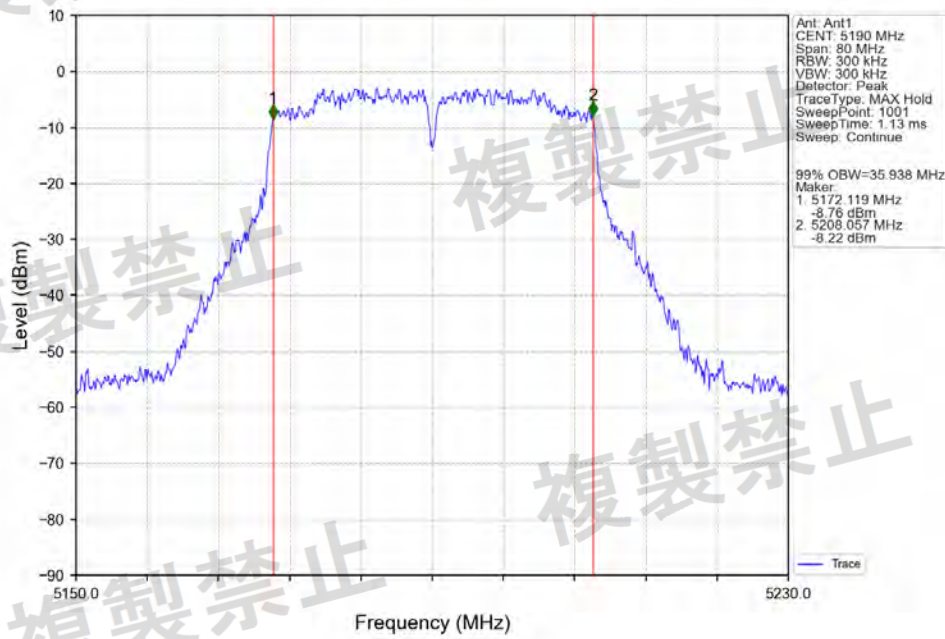


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

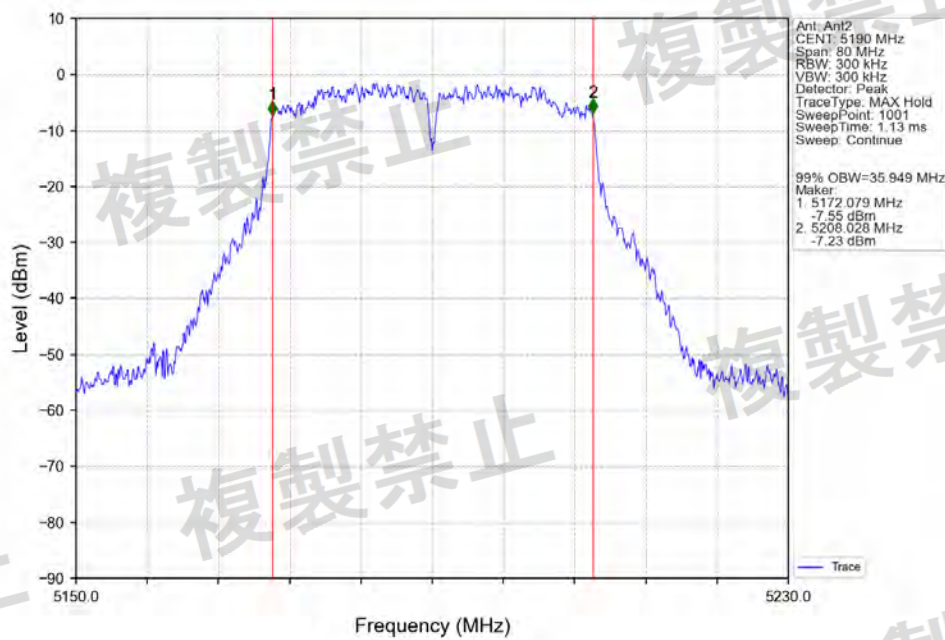


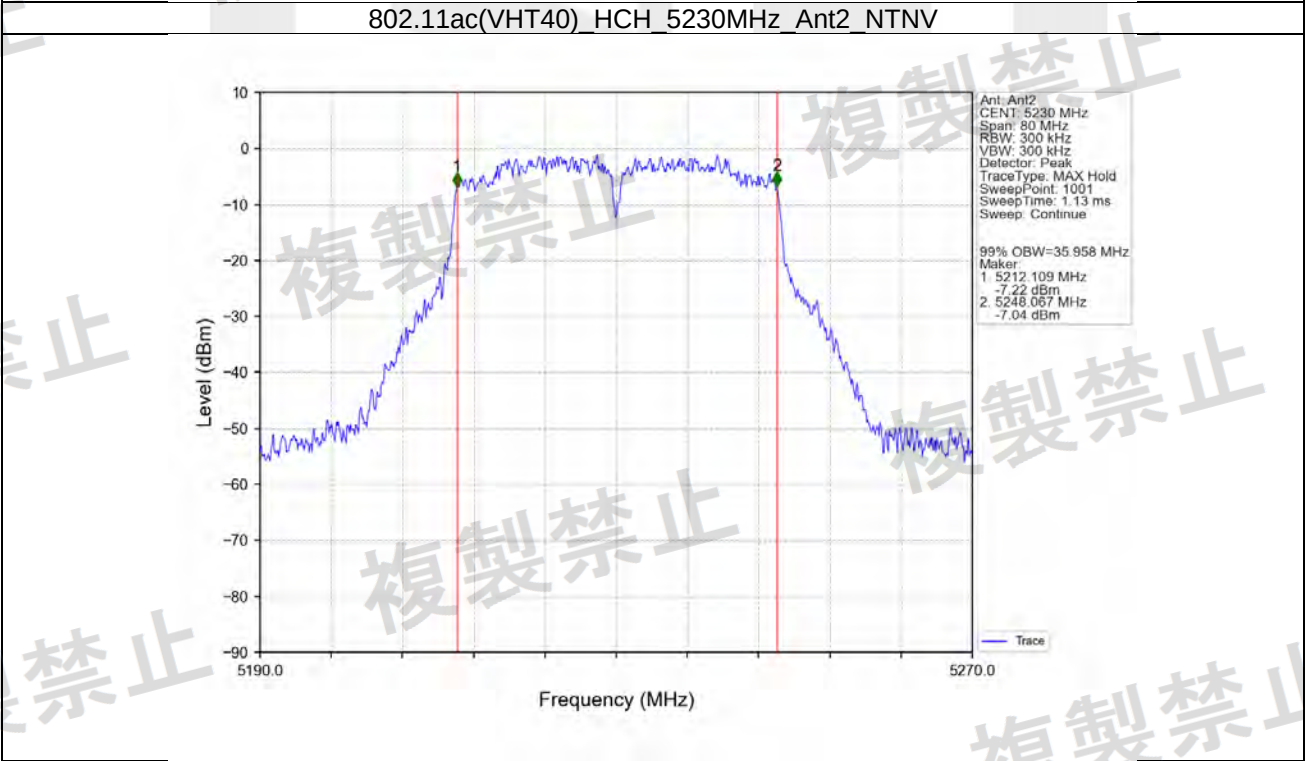
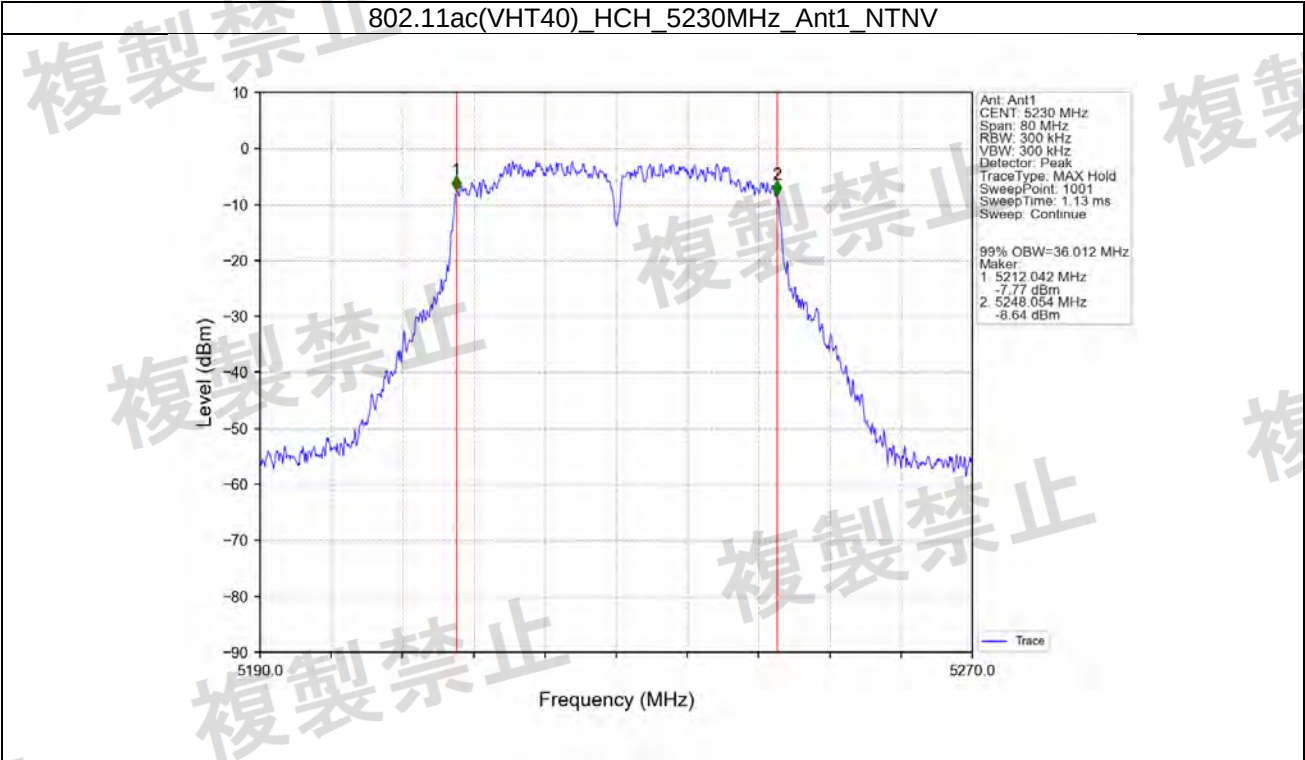


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

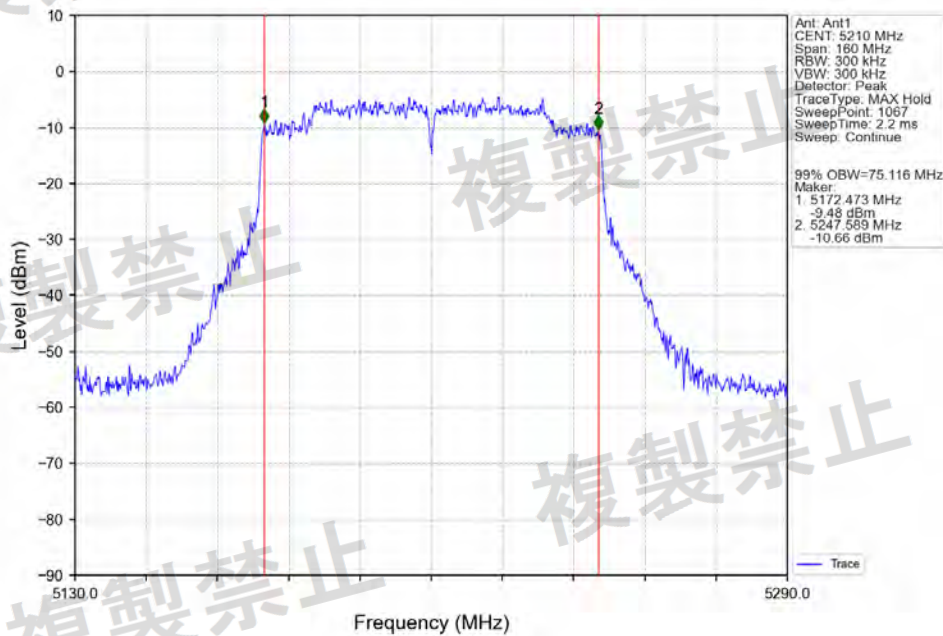


802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

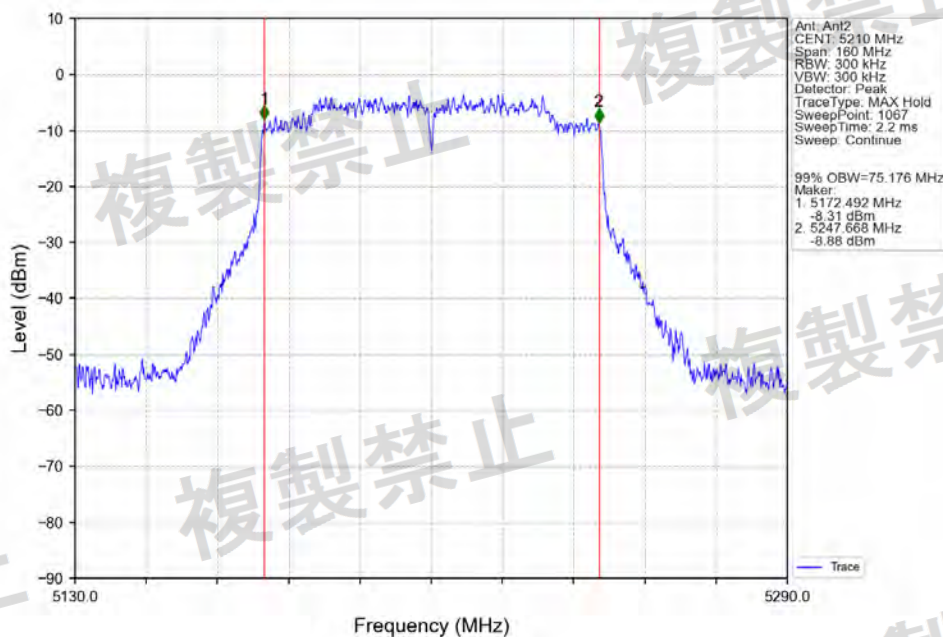




802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



3. Antenna Power

3.1 Test Result

3.1.1 Power_NTNV

NTNV										
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Limit	Verdict
				Measured	Limit		Measured	Limit		
802.11a	SISO	5180	1	0.629	<=10.00	1.100	-42.82	-80 to 20	<=10	Pass
			2	0.842	<=10.00	1.100	-23.45	-80 to 20	<=10	Pass
		5200	1	0.712	<=10.00	1.100	-35.27	-80 to 20	<=10	Pass
			2	0.887	<=10.00	1.100	-19.36	-80 to 20	<=10	Pass
		5240	1	0.754	<=10.00	1.100	-31.45	-80 to 20	<=10	Pass
			2	0.932	<=10.00	1.100	-15.27	-80 to 20	<=10	Pass
802.11n (HT20)	SISO	5180	1	0.618	<=10.00	1.100	-43.82	-80 to 20	<=10	Pass
			2	0.785	<=10.00	1.100	-28.64	-80 to 20	<=10	Pass
		5200	1	0.682	<=10.00	1.100	-38.00	-80 to 20	<=10	Pass
			2	0.809	<=10.00	1.100	-26.45	-80 to 20	<=10	Pass
		5240	1	0.673	<=10.00	1.100	-38.82	-80 to 20	<=10	Pass
			2	0.919	<=10.00	1.100	-16.45	-80 to 20	<=10	Pass
802.11n (HT40)	SISO	5190	1	0.256	<=5.00	0.480	-46.67	-80 to 20	<=10	Pass
			2	0.404	<=5.00	0.480	-15.83	-80 to 20	<=10	Pass
		5230	1	0.338	<=5.00	0.480	-29.58	-80 to 20	<=10	Pass
			2	0.425	<=5.00	0.480	-11.46	-80 to 20	<=10	Pass
802.11ac (VHT20)	SISO	5180	1	0.615	<=10.00	1.100	-44.09	-80 to 20	<=10	Pass
			2	0.787	<=10.00	1.100	-28.45	-80 to 20	<=10	Pass
		5200	1	0.669	<=10.00	1.100	-39.18	-80 to 20	<=10	Pass
			2	0.821	<=10.00	1.100	-25.36	-80 to 20	<=10	Pass
		5240	1	0.680	<=10.00	1.100	-38.18	-80 to 20	<=10	Pass
			2	0.901	<=10.00	1.100	-18.09	-80 to 20	<=10	Pass
802.11ac (VHT40)	SISO	5190	1	0.304	<=5.00	0.590	-48.47	-80 to 20	<=10	Pass
			2	0.352	<=5.00	0.590	-40.34	-80 to 20	<=10	Pass
		5230	1	0.329	<=5.00	0.590	-44.24	-80 to 20	<=10	Pass
			2	0.427	<=5.00	0.590	-27.63	-80 to 20	<=10	Pass
802.11ac (VHT80)	SISO	5210	1	0.157	<=2.50	0.310	-49.35	-80 to 20	<=10	Pass
			2	0.225	<=2.50	0.310	-27.42	-80 to 20	<=10	Pass

3.1.2 Power_NTNV(MIMO)

NTNV										
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Limit	Verdict
				Measured	Limit		Measured	Limit		
802.11n (HT20)	MIMO	5180	MIMO	1.403	<=10.00	1.500	-6.47	-80 to 20	<=10	Pass
		5200	MIMO	1.489	<=10.00	1.500	-0.73	-80 to 20	<=10	Pass
		5240	MIMO	1.592	<=10.00	1.500	6.13	-80 to 20	<=10	Pass
802.11n (HT40)	MIMO	5190	MIMO	0.661	<=5.00	0.800	-17.38	-80 to 20	<=10	Pass
		5230	MIMO	0.764	<=5.00	0.800	-4.50	-80 to 20	<=10	Pass
802.11ac (VHT20)	MIMO	5180	MIMO	1.403	<=10.00	1.500	-6.47	-80 to 20	<=10	Pass
		5200	MIMO	1.489	<=10.00	1.500	-0.73	-80 to 20	<=10	Pass
		5240	MIMO	1.581	<=10.00	1.500	5.40	-80 to 20	<=10	Pass
802.11ac (VHT40)	MIMO	5190	MIMO	0.656	<=5.00	0.800	-18.00	-80 to 20	<=10	Pass
		5230	MIMO	0.757	<=5.00	0.800	-5.38	-80 to 20	<=10	Pass
802.11ac (VHT80)	MIMO	5210	MIMO	0.382	<=2.50	0.400	-4.50	-80 to 20	<=10	Pass

3.1.3 EIRP_NTNV

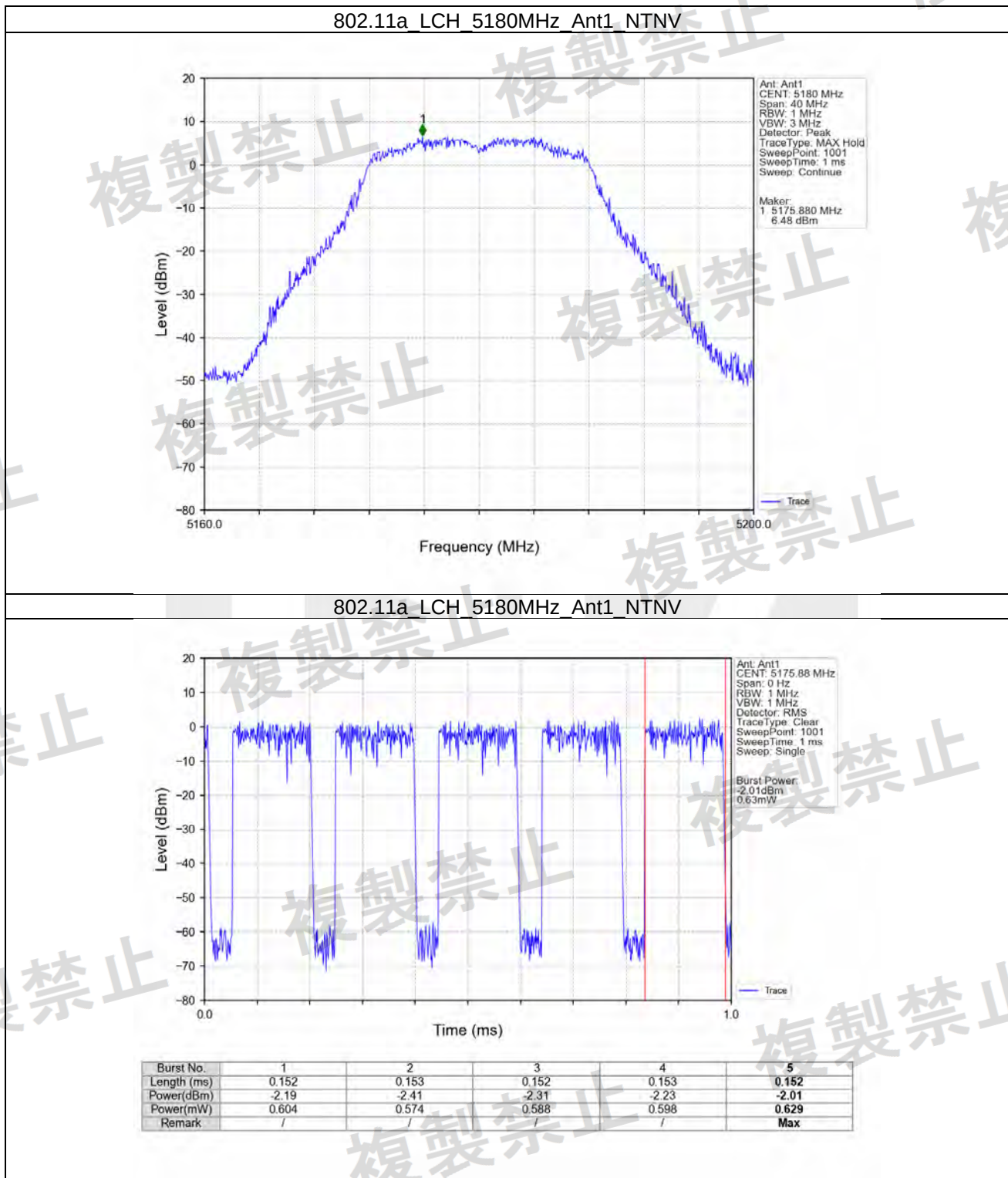
NTNV								
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)	Gain (dBi)	EIRP (mW/MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	1	0.629	2.35	1.08	<=10	Pass
			2	0.842	2.35	1.45	<=10	Pass
		5200	1	0.712	2.35	1.22	<=10	Pass
			2	0.887	2.35	1.52	<=10	Pass
		5240	1	0.754	2.35	1.29	<=10	Pass
			2	0.932	2.35	1.60	<=10	Pass
802.11n (HT20)	SISO	5180	1	0.618	2.35	1.06	<=10	Pass
			2	0.785	2.35	1.35	<=10	Pass
		5200	1	0.682	2.35	1.17	<=10	Pass
			2	0.809	2.35	1.39	<=10	Pass
		5240	1	0.673	2.35	1.16	<=10	Pass
			2	0.919	2.35	1.58	<=10	Pass
802.11n (HT40)	SISO	5190	1	0.256	2.35	0.44	<=5	Pass
			2	0.404	2.35	0.69	<=5	Pass
		5230	1	0.338	2.35	0.58	<=5	Pass
			2	0.425	2.35	0.73	<=5	Pass
802.11ac (VHT20)	SISO	5180	1	0.615	2.35	1.06	<=10	Pass
			2	0.787	2.35	1.35	<=10	Pass
		5200	1	0.669	2.35	1.15	<=10	Pass
			2	0.821	2.35	1.41	<=10	Pass
		5240	1	0.68	2.35	1.17	<=10	Pass
			2	0.901	2.35	1.55	<=10	Pass
802.11ac (VHT40)	SISO	5190	1	0.304	2.35	0.52	<=5	Pass
			2	0.352	2.35	0.60	<=5	Pass
		5230	1	0.329	2.35	0.56	<=5	Pass
			2	0.427	2.35	0.73	<=5	Pass
802.11ac (VHT80)	SISO	5210	1	0.157	2.35	0.27	<=2.5	Pass
			2	0.225	2.35	0.39	<=2.5	Pass

3.1.4 EIRP_NTNV(MIMO)

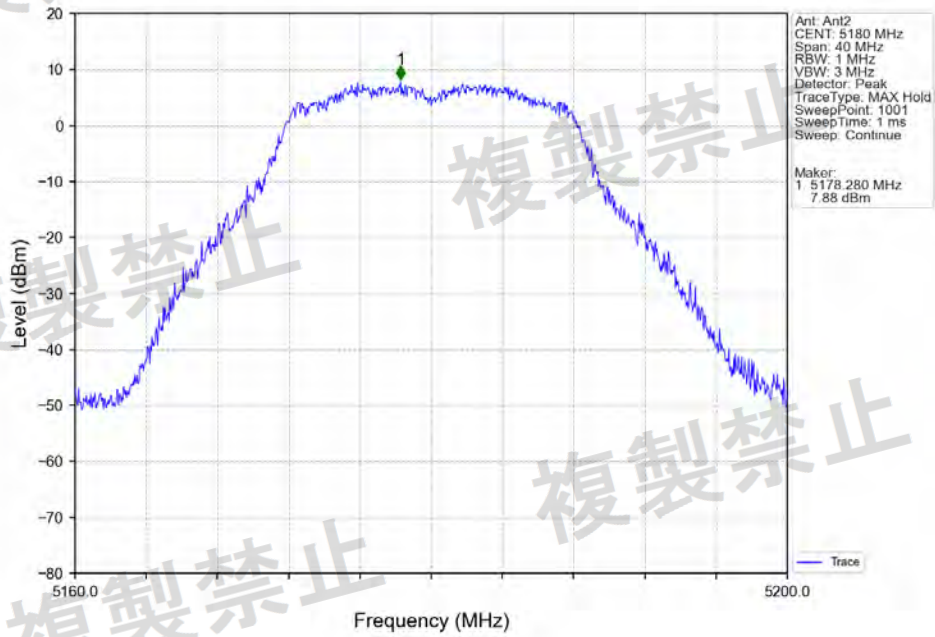
NTNV							
Mode	Frequency (MHz)	ANT	Antenna Power (mW/MHz)	Directional Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11n (HT20)	5180	MIMO	1.403	5.36	6.83	≤ 10	Pass
	5200	MIMO	1.489	5.36	7.09	≤ 10	Pass
	5240	MIMO	1.592	5.36	7.38	≤ 10	Pass
802.11n (HT40)	5190	MIMO	0.661	5.36	3.56	≤ 5	Pass
	5230	MIMO	0.764	5.36	4.19	≤ 5	Pass
802.11ac (VHT20)	5180	MIMO	1.403	5.36	6.83	≤ 10	Pass
	5200	MIMO	1.489	5.36	7.09	≤ 10	Pass
	5240	MIMO	1.581	5.36	7.35	≤ 10	Pass
802.11ac (VHT40)	5190	MIMO	0.656	5.36	3.53	≤ 5	Pass
	5230	MIMO	0.757	5.36	4.15	≤ 5	Pass
802.11ac (VHT80)	5210	MIMO	0.382	5.36	1.18	≤ 2.5	Pass

3.2 Test Graph

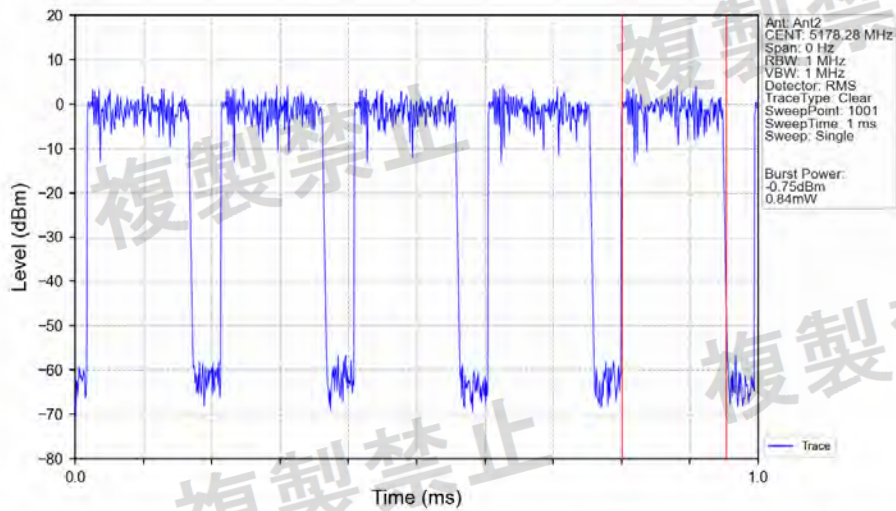
3.2.1 Power_NTNV



802.11a LCH 5180MHz_Ant2_NTNV

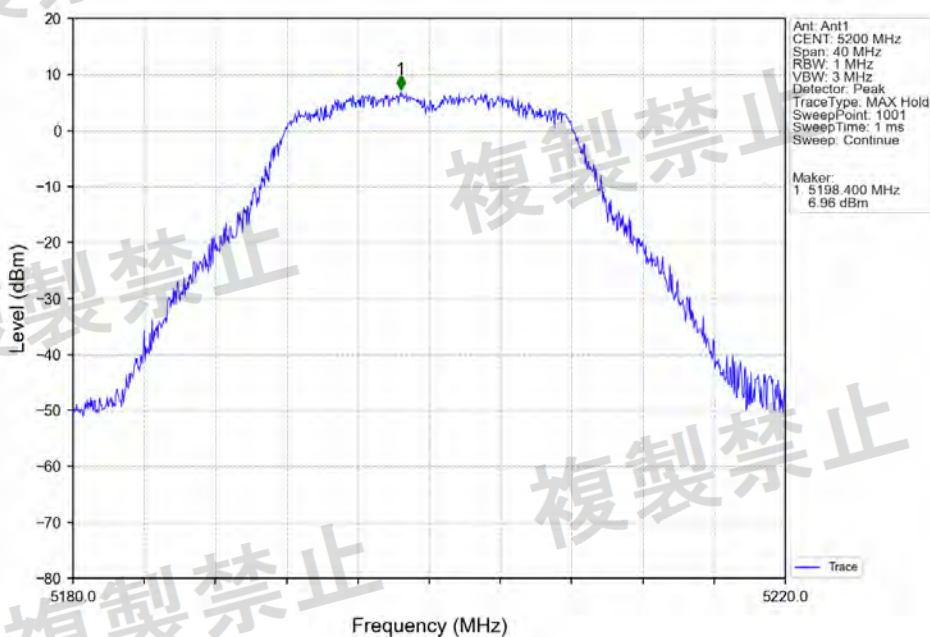


802.11a LCH 5180MHz_Ant2_NTNV

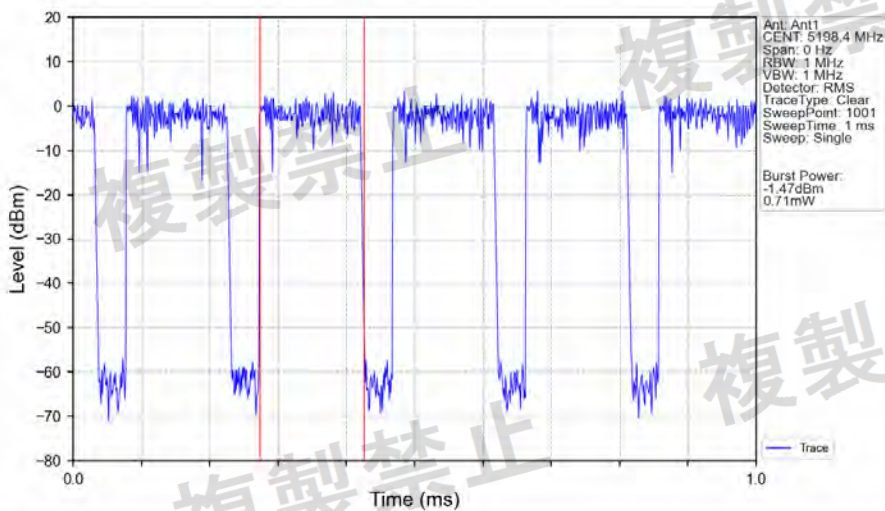


Burst No.	1	2	3	4	5
Length (ms)	0.153	0.153	0.153	0.153	0.153
Power(dBm)	-0.94	-0.81	-0.98	-0.90	-0.75
Power(mW)	0.806	0.830	0.798	0.813	0.842
Remark	/	/	/	/	Max

802.11a_MCH_5200MHz_Ant1_NTNV

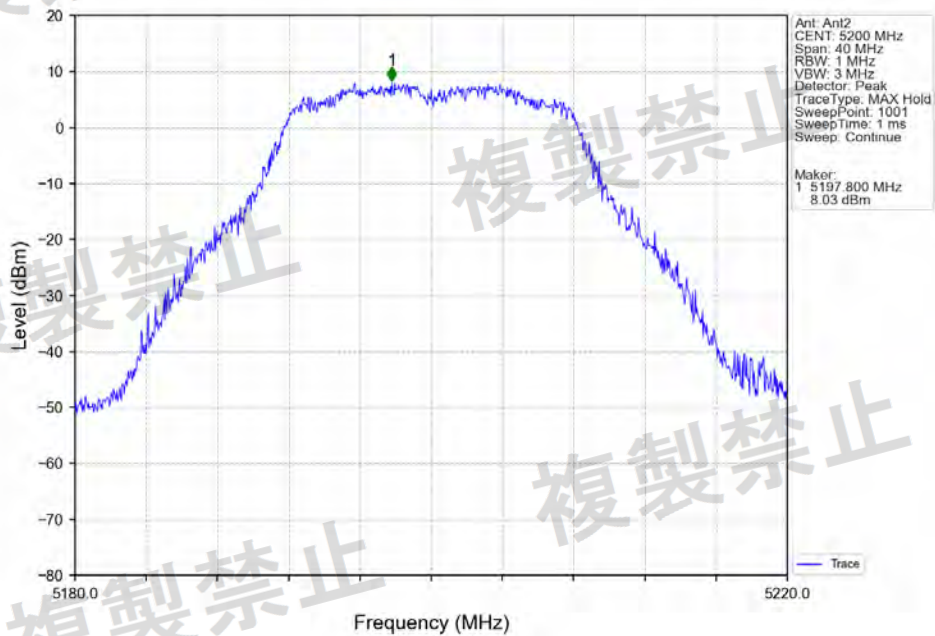


802.11a_MCH_5200MHz_Ant1_NTNV

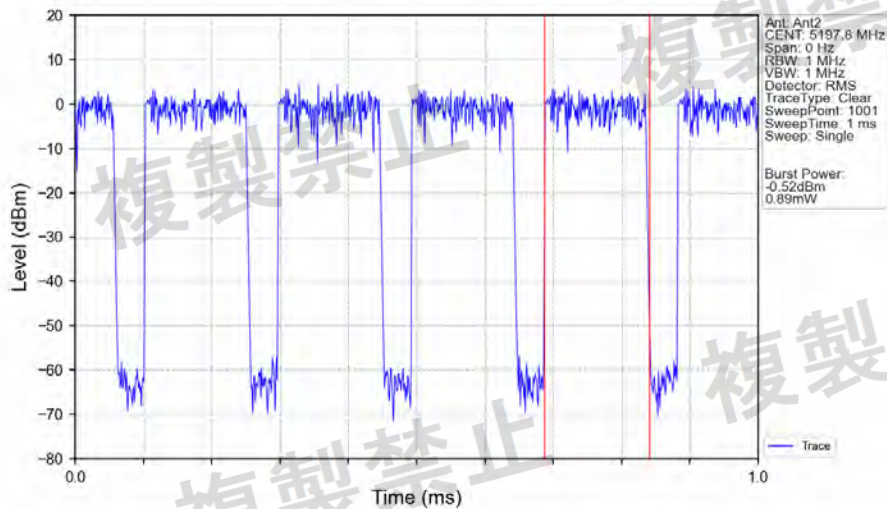


Burst No.	1	2	3	4
Length (ms)	0.152	0.152	0.153	0.152
Power(dBm)	-1.69	-1.47	-1.72	-1.83
Power(mW)	0.678	0.712	0.674	0.655
Remark	/	Max	/	/

802.11a_MCH_5200MHz_Ant2_NTNV

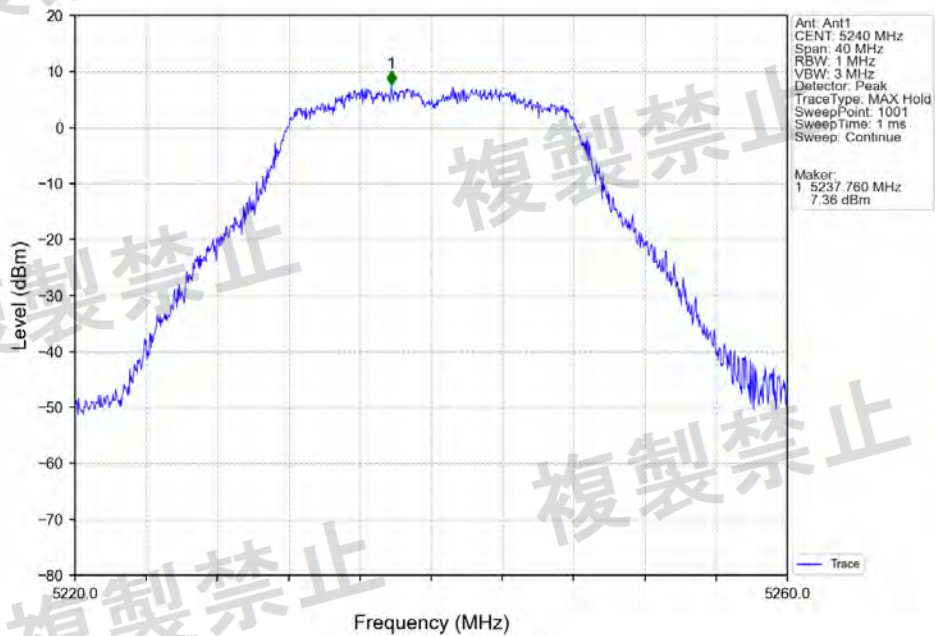


802.11a_MCH_5200MHz_Ant2_NTNV

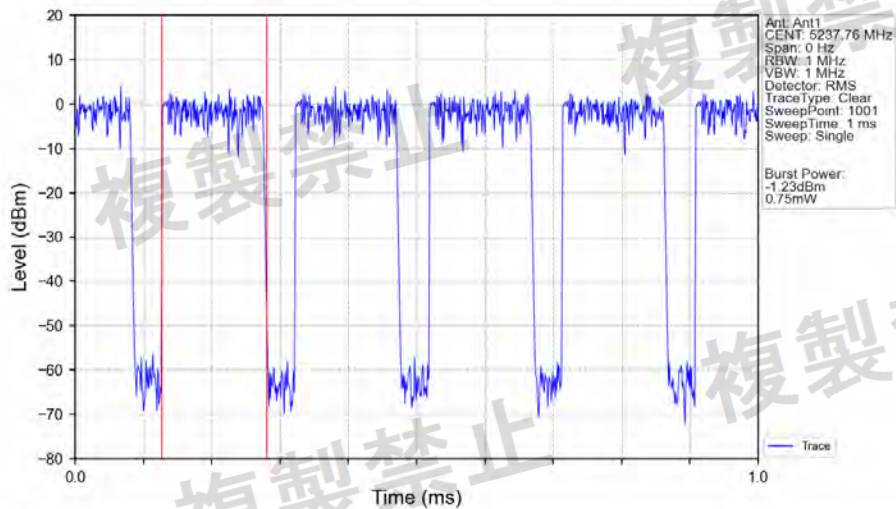


Burst No.	1	2	3	4
Length (ms)	0.153	0.153	0.153	0.153
Power(dBm)	-0.69	-0.56	-0.65	-0.52
Power(mW)	0.853	0.880	0.861	0.887
Remark	/	/	/	Max

802.11a_HCH_5240MHz_Ant1_NTNV

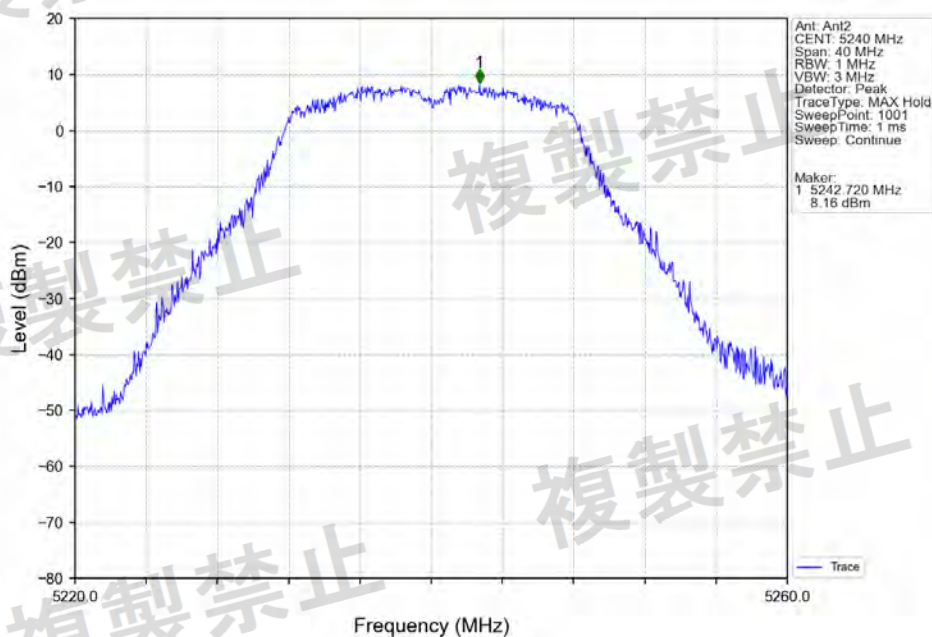


802.11a_HCH_5240MHz_Ant1_NTNV

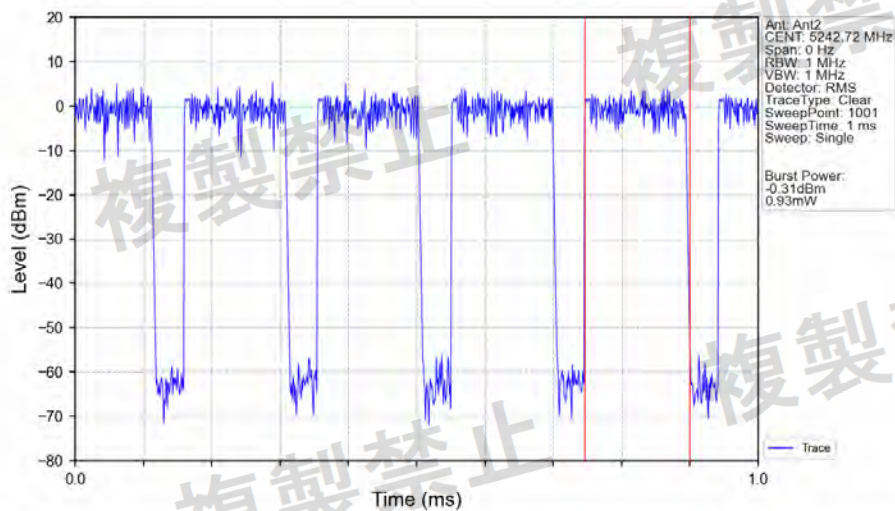


Burst No.	1	2	3	4
Length (ms)	0.153	0.153	0.153	0.153
Power(dBm)	-1.23	-1.30	-1.28	-1.42
Power(mW)	0.754	0.741	0.745	0.721
Remark	Max	/	/	/

802.11a_HCH_5240MHz_Ant2_NTNV

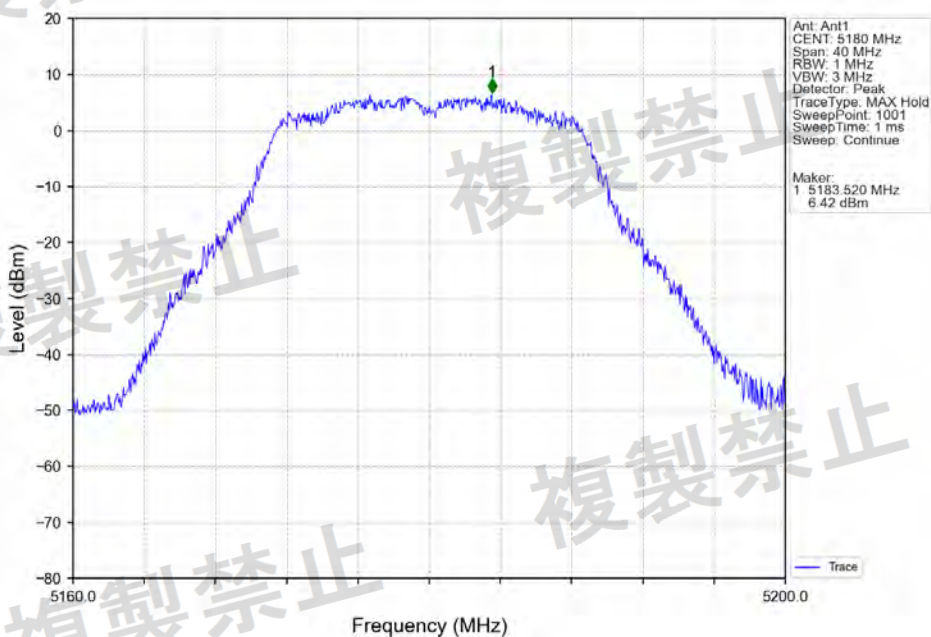


802.11a_HCH_5240MHz_Ant2_NTNV

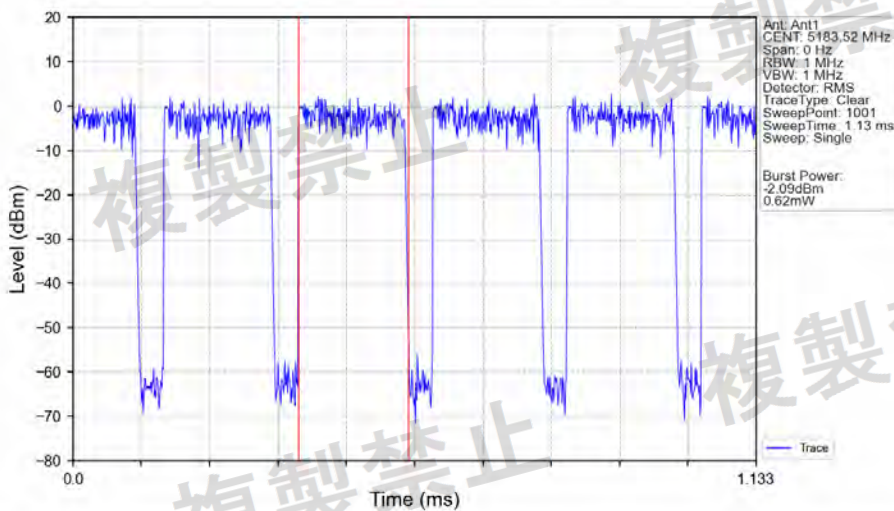


Burst No.	1	2	3	4
Length (ms)	0.153	0.152	0.153	0.153
Power(dBm)	-0.37	-0.48	-0.32	-0.31
Power(mW)	0.918	0.895	0.929	0.932
Remark	/	/	/	Max

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

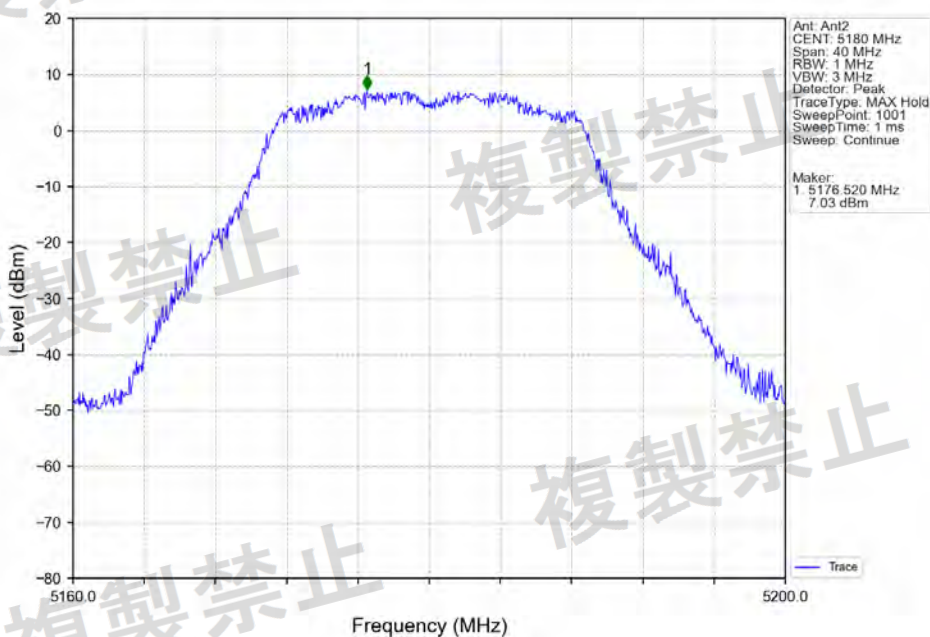


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

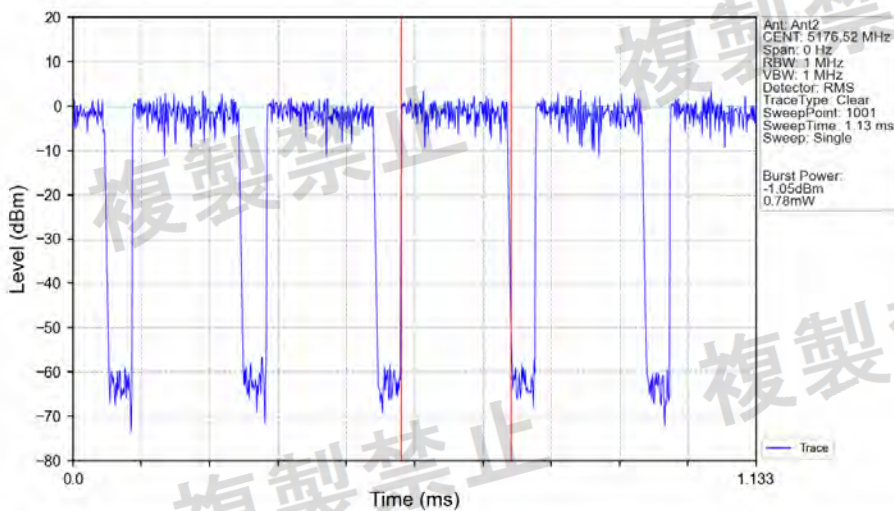


Burst No.	1	2	3	4
Length (ms)	0.182	0.181	0.181	0.182
Power(dBm)	-2.40	-2.09	-2.28	-2.12
Power(mW)	0.576	0.618	0.592	0.614
Remark	/	Max	/	/

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

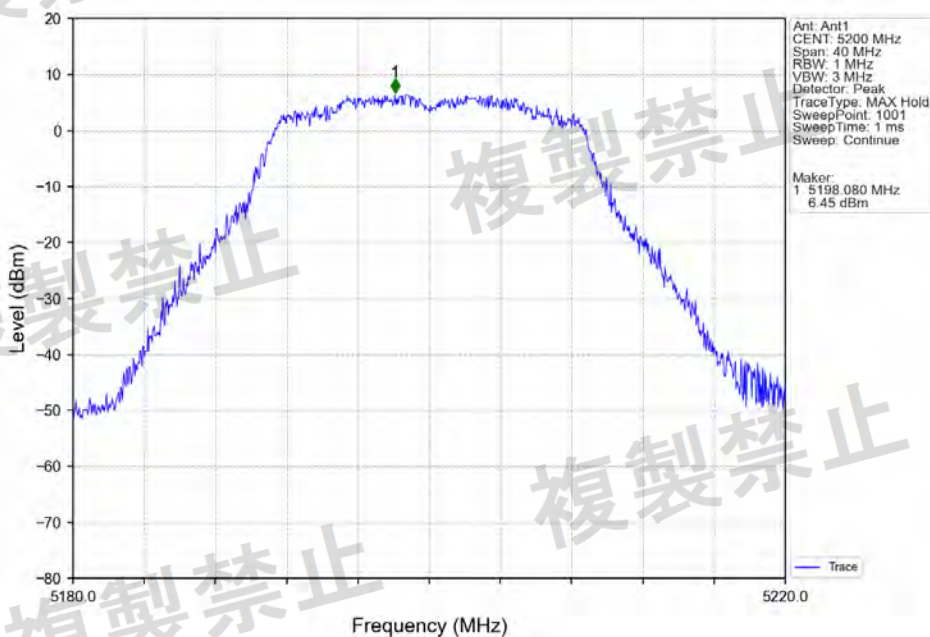


802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

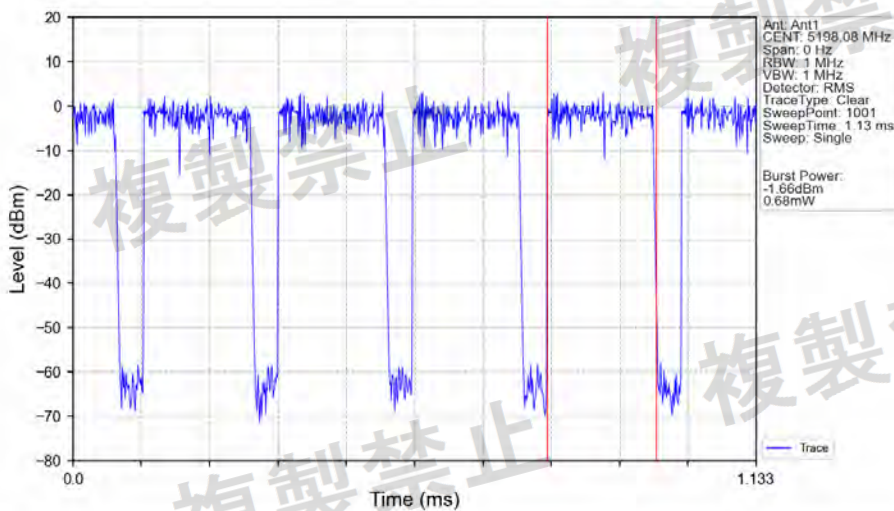


Burst No.	1	2	3	4
Length (ms)	0.181	0.181	0.182	0.182
Power(dBm)	-1.23	-1.28	-1.05	-1.28
Power(mW)	0.753	0.745	0.785	0.745
Remark	/	/	Max	/

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

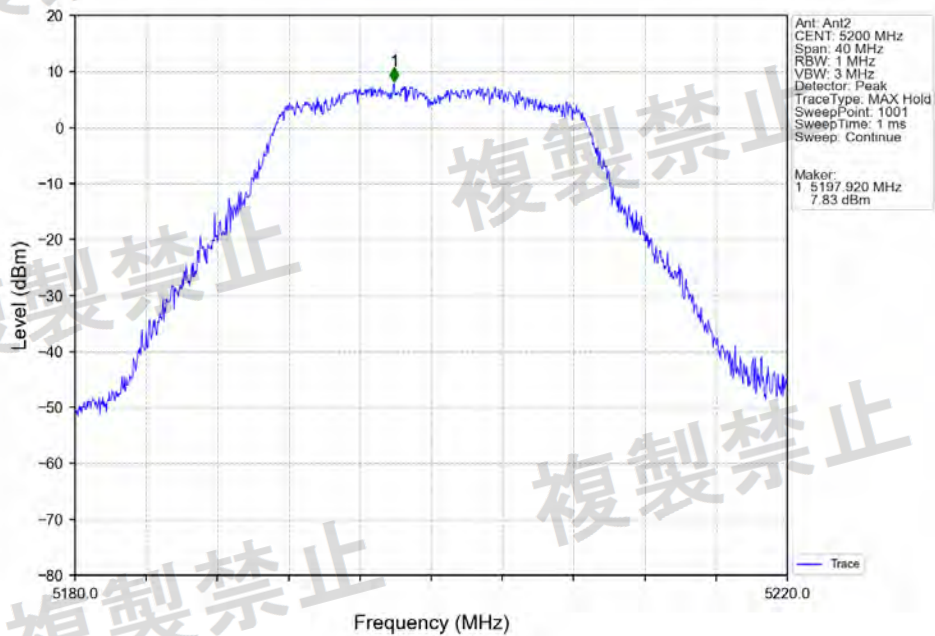


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

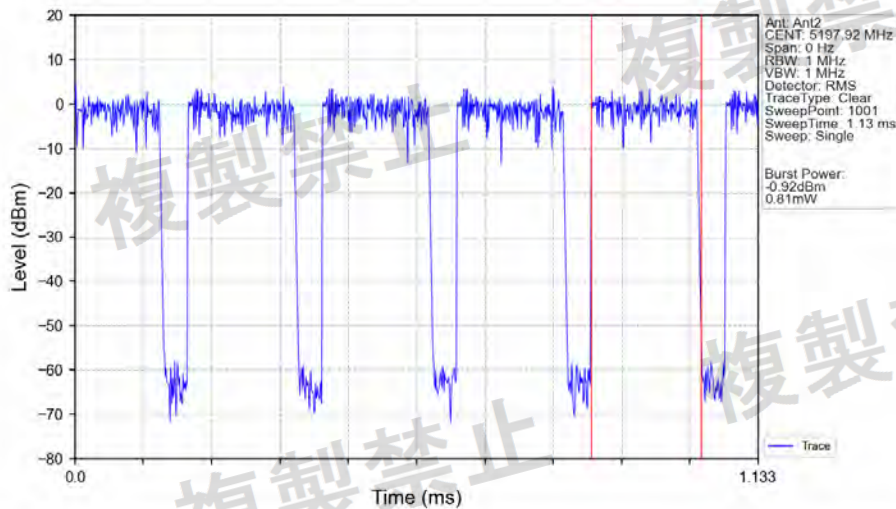


Burst No.	1	2	3	4
Length (ms)	0.181	0.182	0.181	0.181
Power(dBm)	-1.92	-1.85	-1.94	-1.66
Power(mW)	0.642	0.653	0.639	0.682
Remark	/	/	/	Max

802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

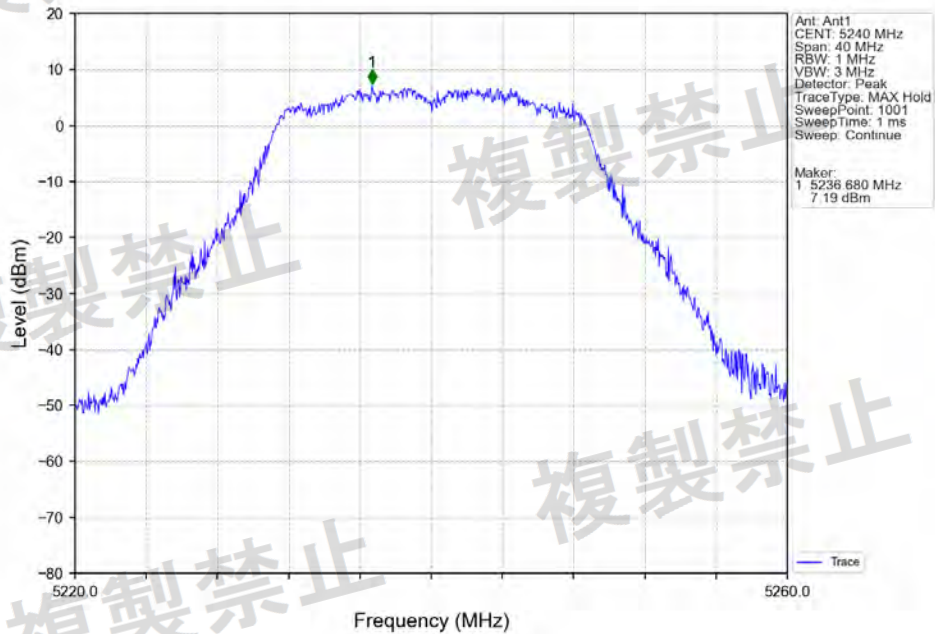


802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

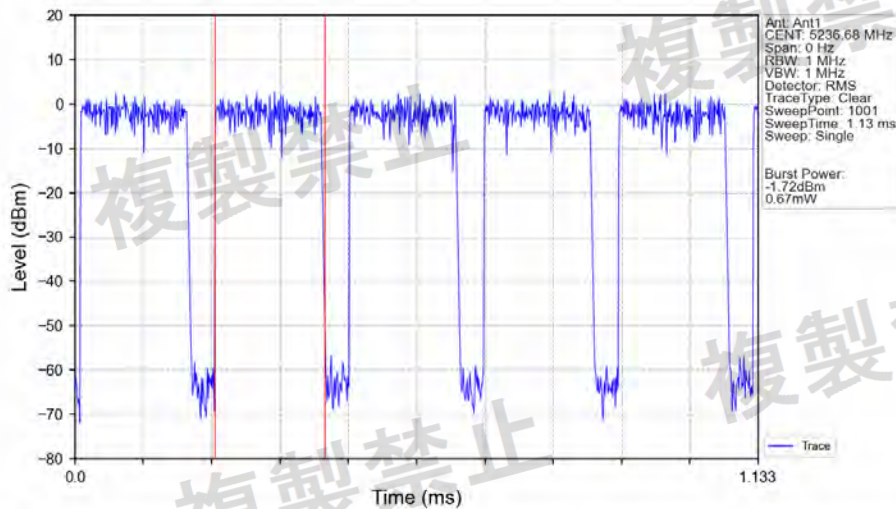


Burst No.	1	2	3	4
Length (ms)	0.181	0.181	0.181	0.182
Power(dBm)	-1.12	-0.95	-1.14	-0.92
Power(mW)	0.774	0.803	0.768	0.809
Remark	/	/	/	Max

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

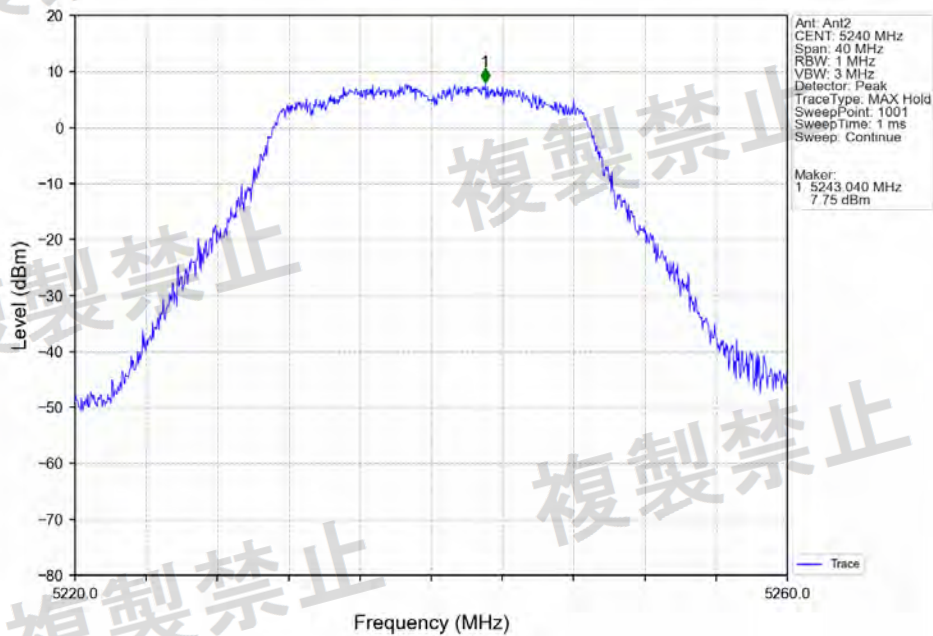


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

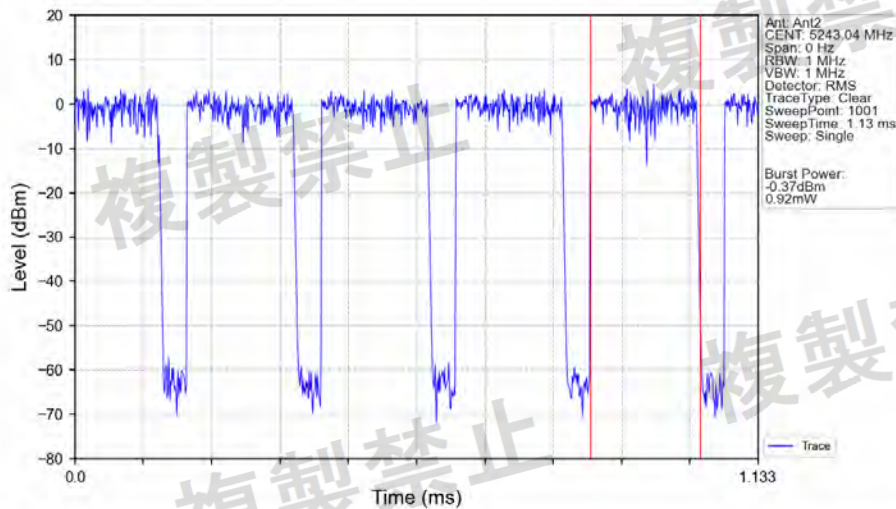


Burst No.	1	2	3	4	5
Length (ms)	0.182	0.181	0.181	0.181	0.181
Power(dBm)	-1.86	-1.72	-1.78	-1.87	-1.97
Power(mW)	0.652	0.673	0.664	0.650	0.635
Remark	/	Max	/	/	/

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

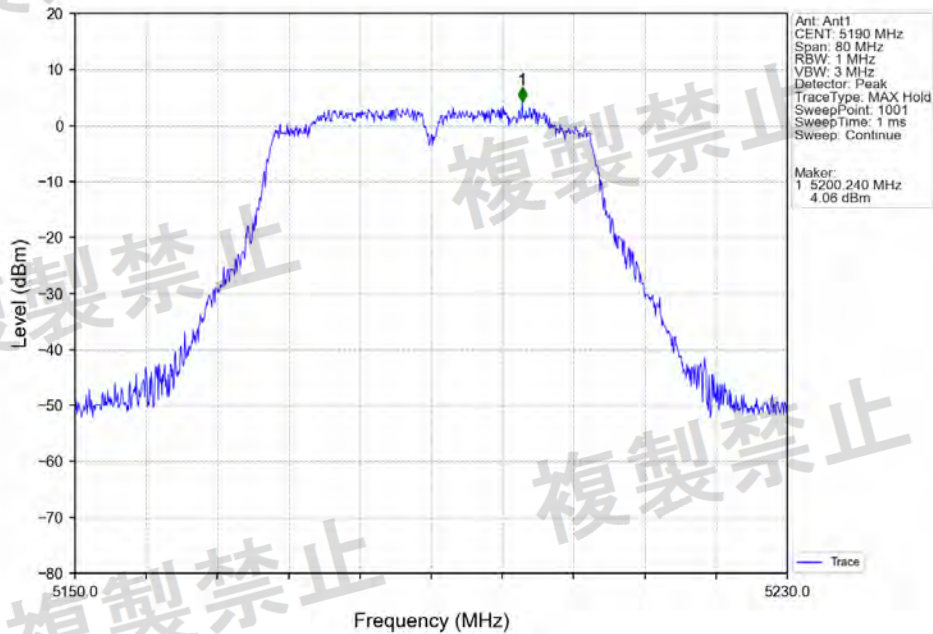


802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

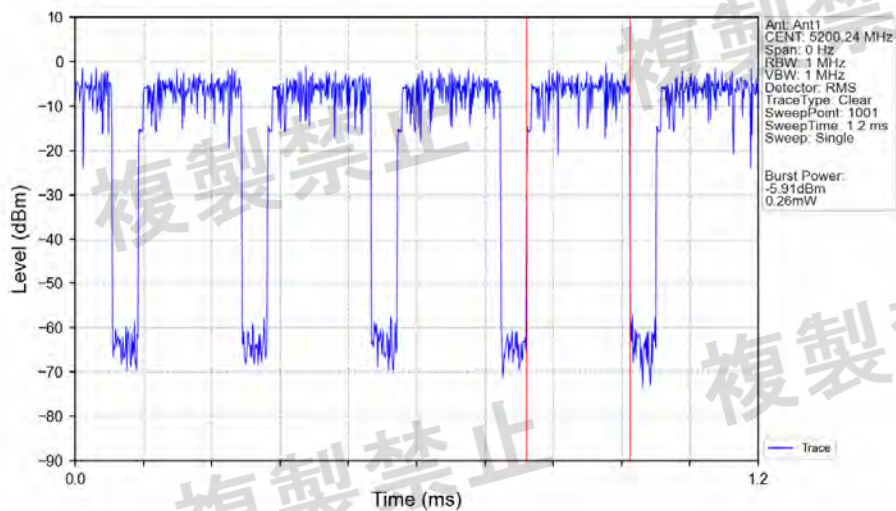


Burst No.	1	2	3	4
Length (ms)	0.182	0.181	0.182	0.182
Power(dBm)	-0.70	-0.61	-0.37	-0.37
Power(mW)	0.851	0.870	0.918	0.919
Remark	/	/	/	Max

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

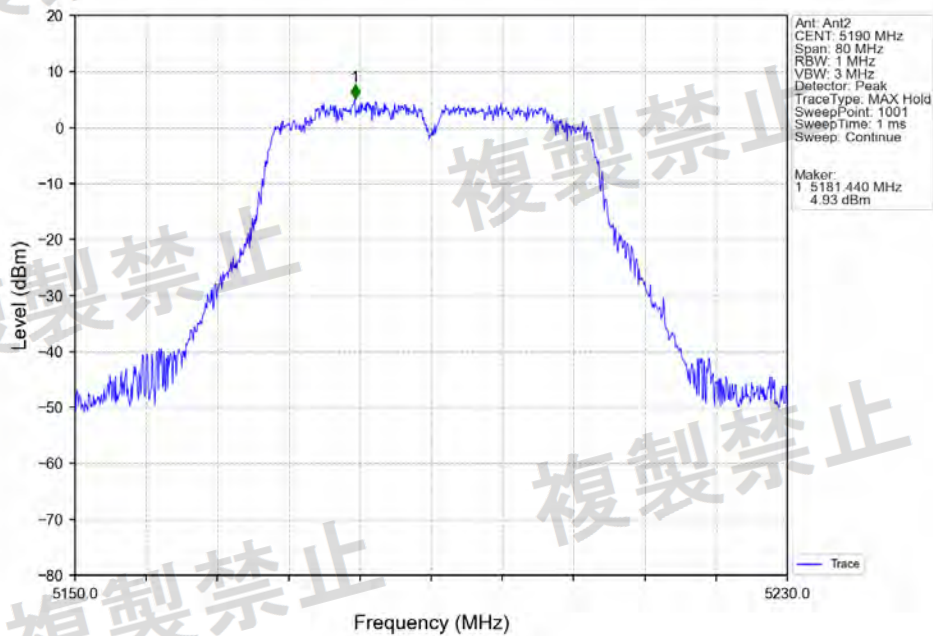


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

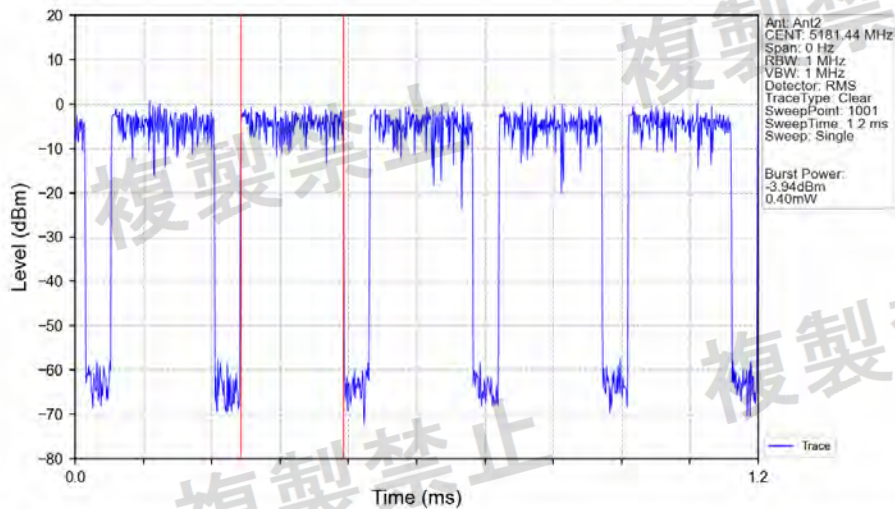


Burst No.	1	2	3	4
Length (ms)	0.181	0.181	0.181	0.181
Power(dBm)	-6.02	-6.10	-6.03	-5.91
Power(mW)	0.250	0.245	0.250	0.256
Remark	/	/	/	Max

802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

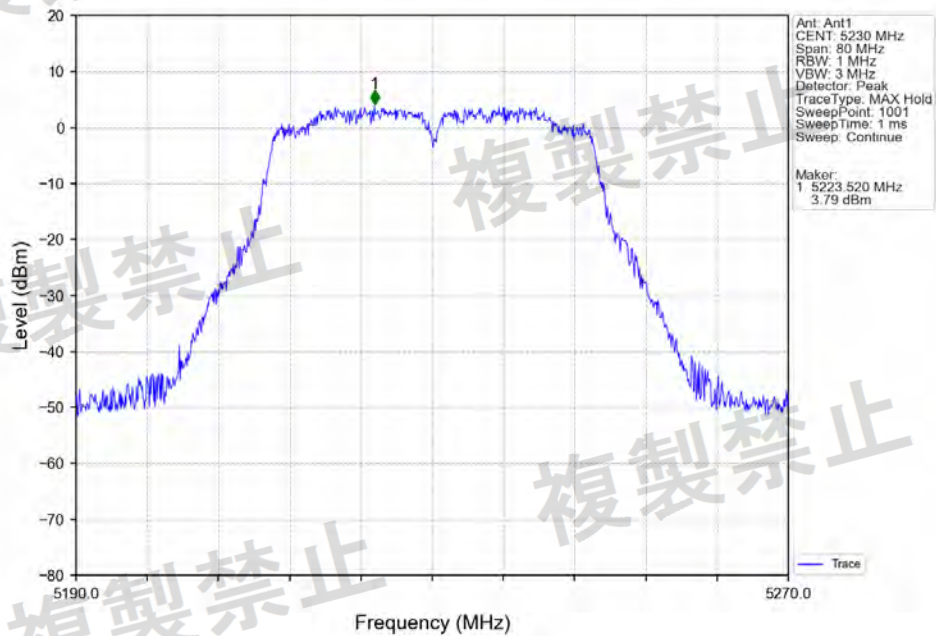


802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

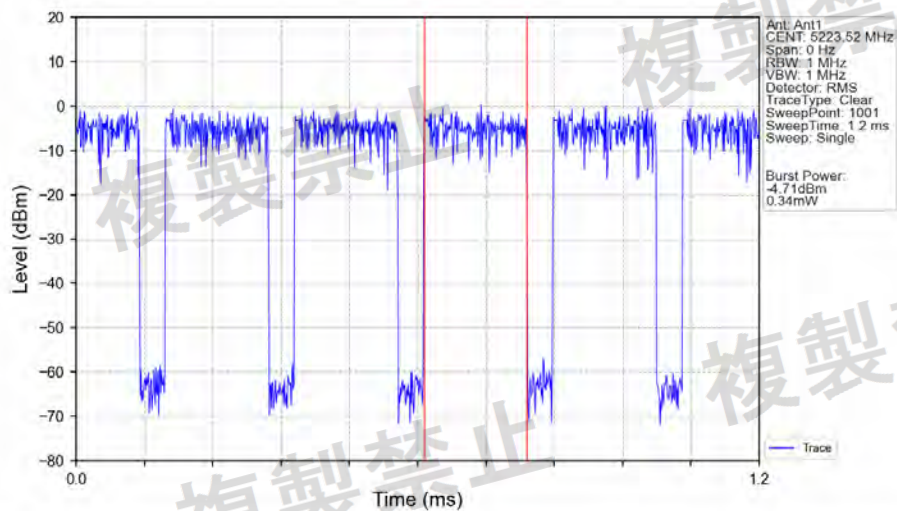


Burst No.	1	2	3	4	5
Length (ms)	0.181	0.181	0.181	0.181	0.181
Power(dBm)	-4.03	-3.94	-4.10	-4.17	-3.98
Power(mW)	0.396	0.404	0.389	0.383	0.400
Remark	/	Max	/	/	/

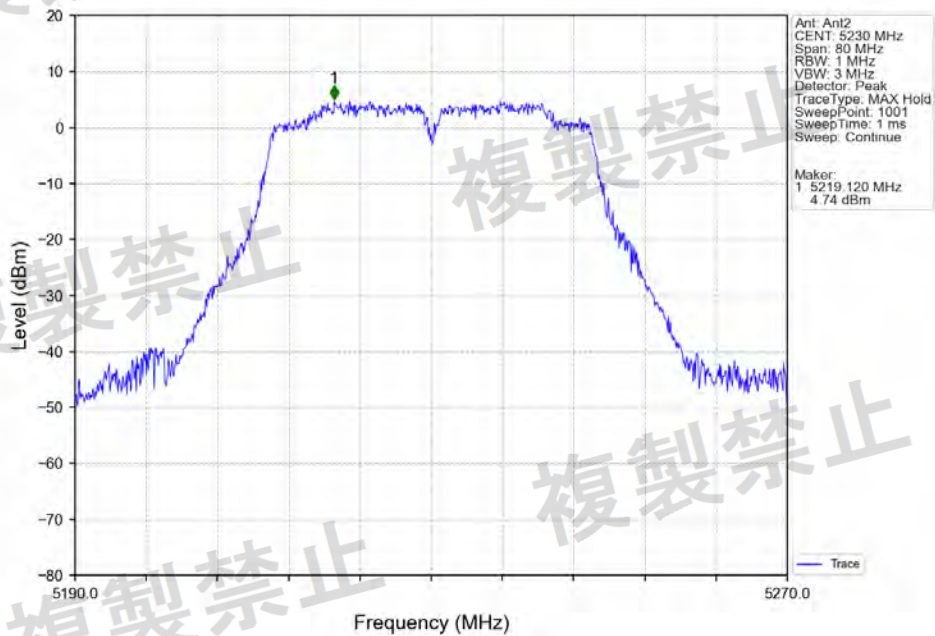
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



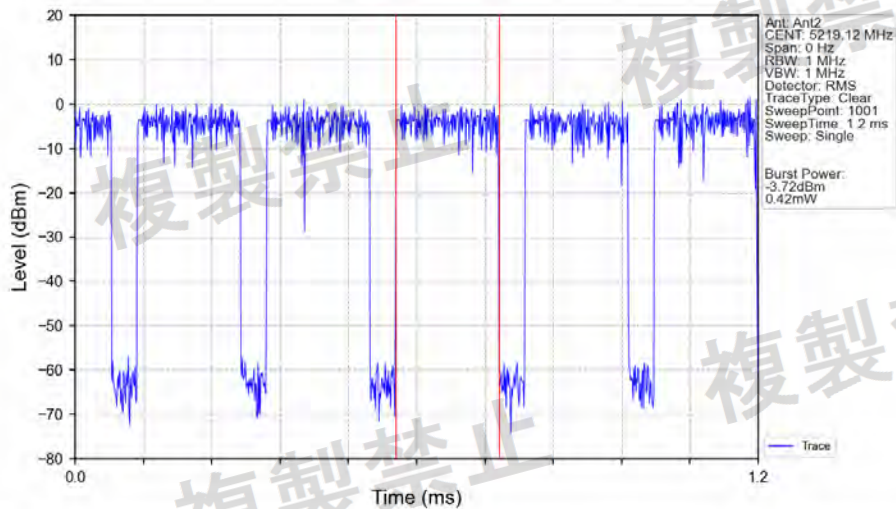
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

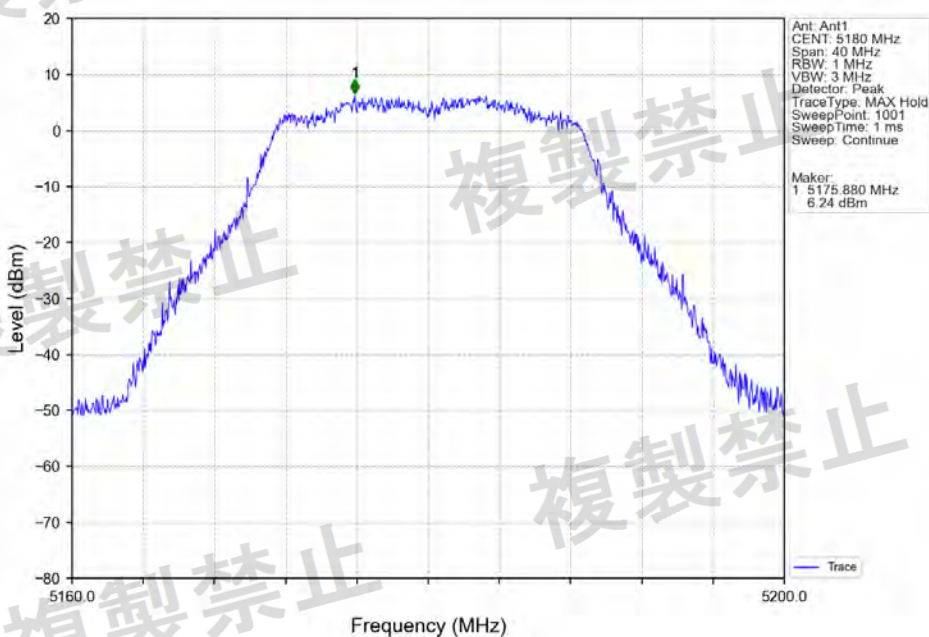


802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

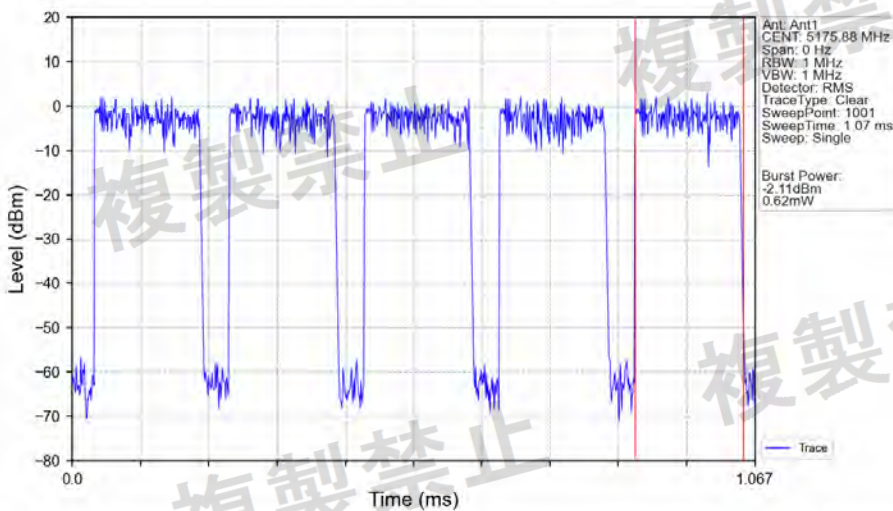


Burst No.	1	2	3	4
Length (ms)	0.182	0.182	0.182	0.182
Power(dBm)	-3.83	-3.96	-3.72	-4.00
Power(mW)	0.414	0.402	0.425	0.398
Remark	/	/	Max	/

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

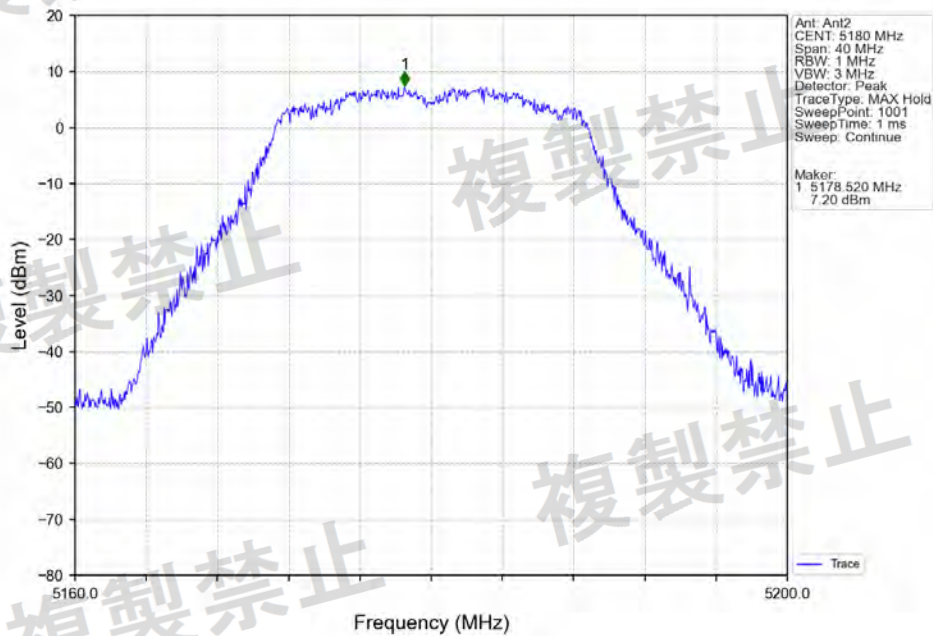


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

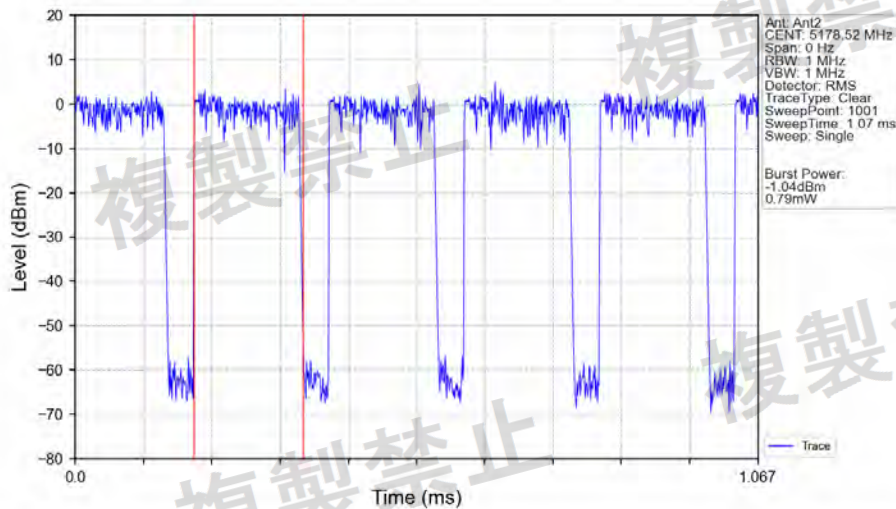


Burst No.	1	2	3	4	5
Length (ms)	0.169	0.170	0.170	0.170	0.170
Power(dBm)	-2.34	-2.35	-2.20	-2.43	-2.11
Power(mW)	0.584	0.582	0.602	0.571	0.615
Remark	/	/	/	/	Max

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

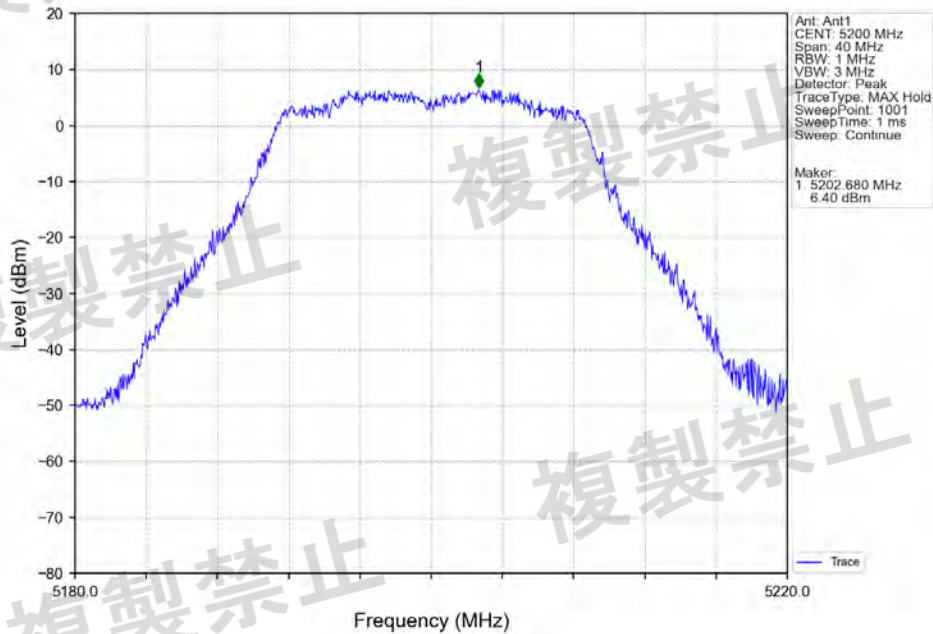


802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

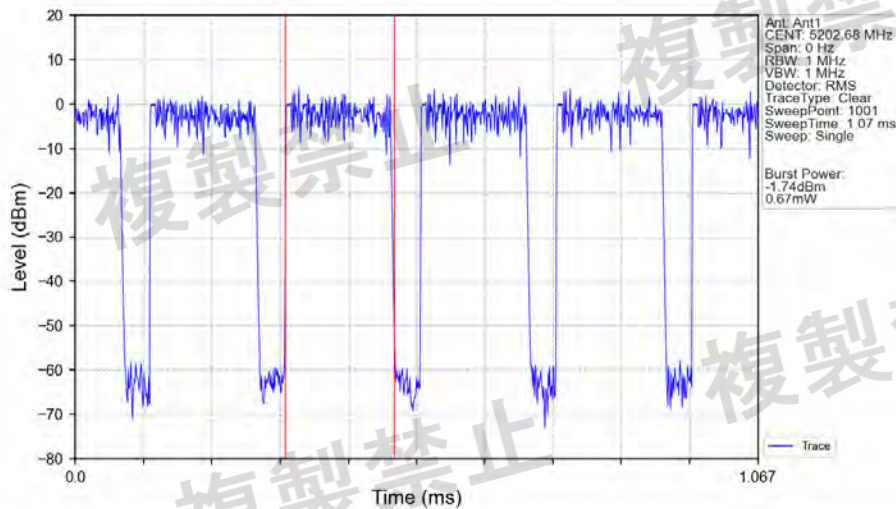


Burst No.	1	2	3	4
Length (ms)	0.170	0.170	0.170	0.170
Power(dBm)	-1.04	-1.08	-1.06	-1.16
Power(mW)	0.787	0.779	0.784	0.766
Remark	Max	/	/	/

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

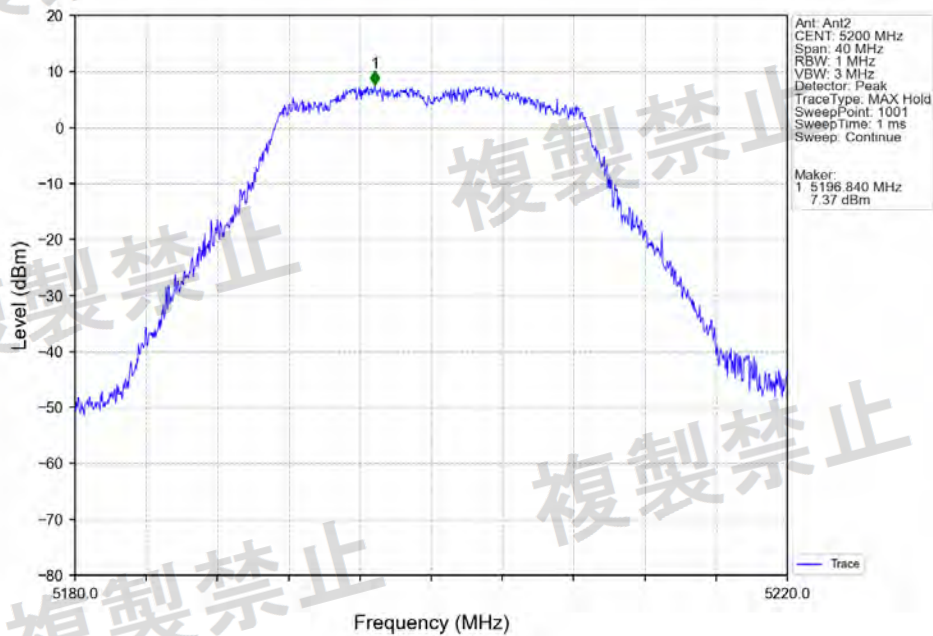


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

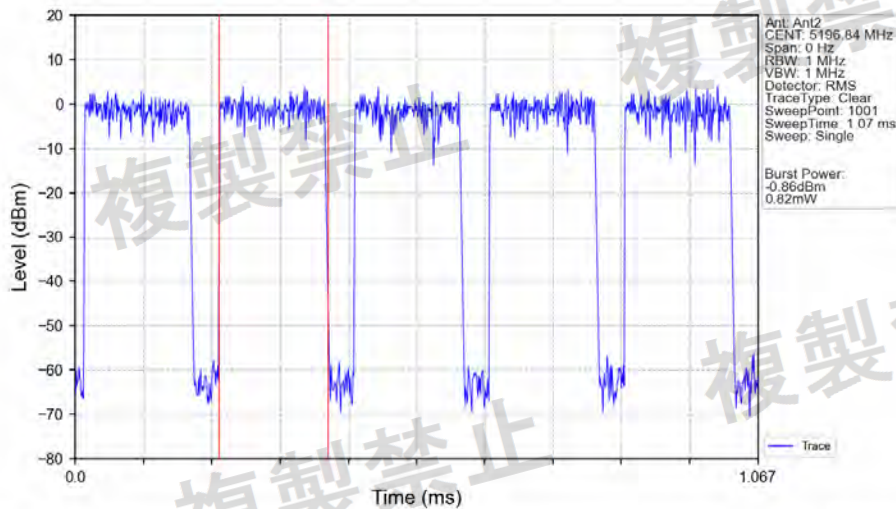


Burst No.	1	2	3	4
Length (ms)	0.170	0.170	0.170	0.170
Power(dBm)	-2.26	-1.74	-1.82	-1.82
Power(mW)	0.594	0.669	0.658	0.658
Remark	/	Max	/	/

802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

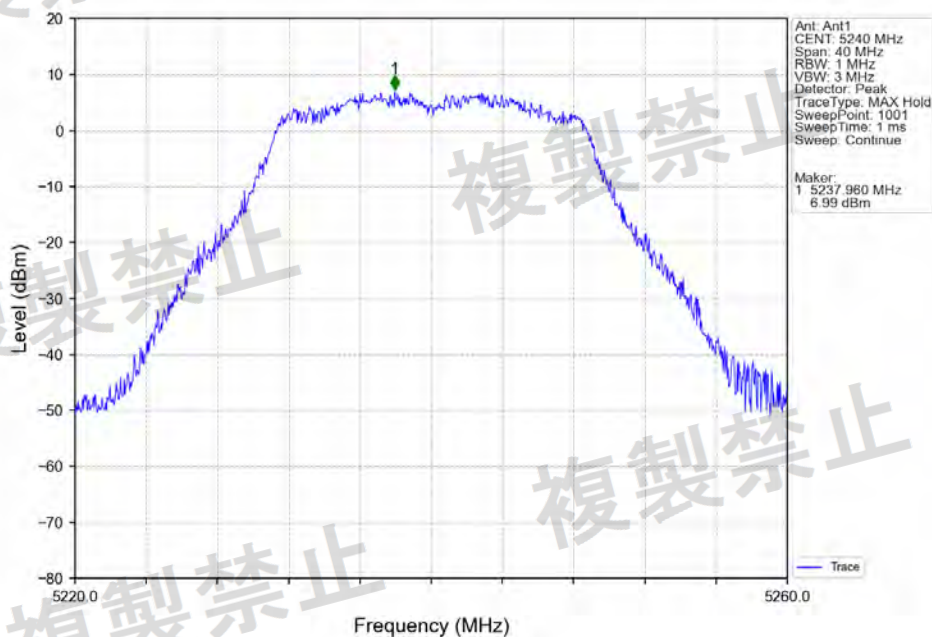


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

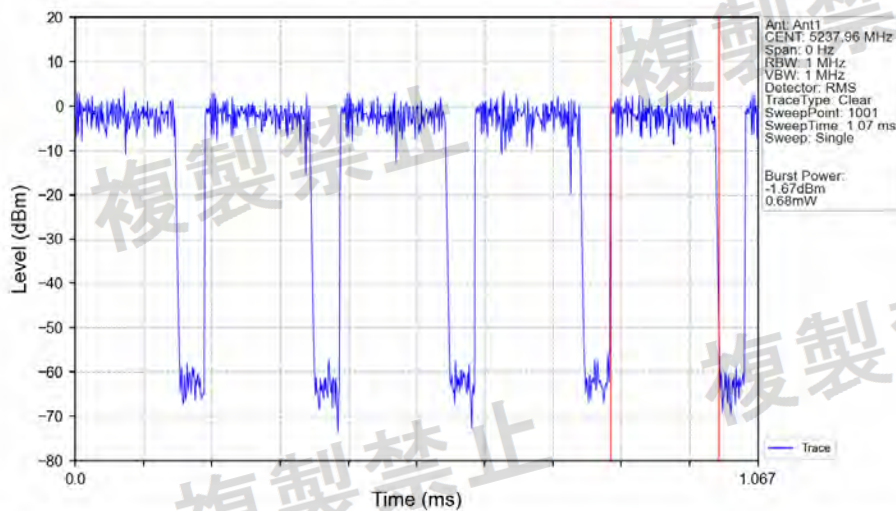


Burst No.	1	2	3	4	5
Length (ms)	0.169	0.170	0.170	0.170	0.170
Power(dBm)	-1.20	-0.86	-1.36	-0.87	-1.08
Power(mW)	0.759	0.821	0.730	0.819	0.779
Remark	/	Max	/	/	/

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

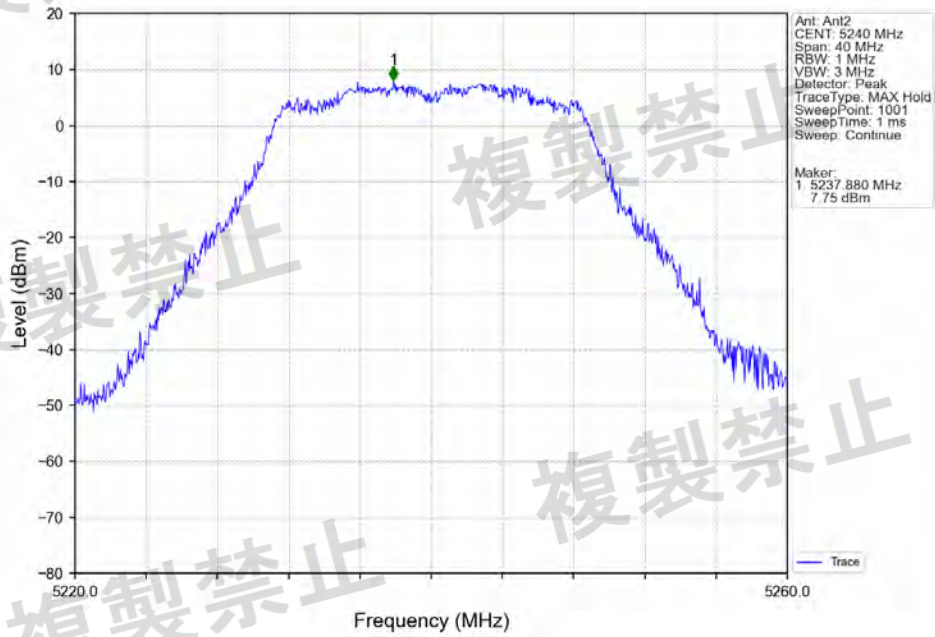


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

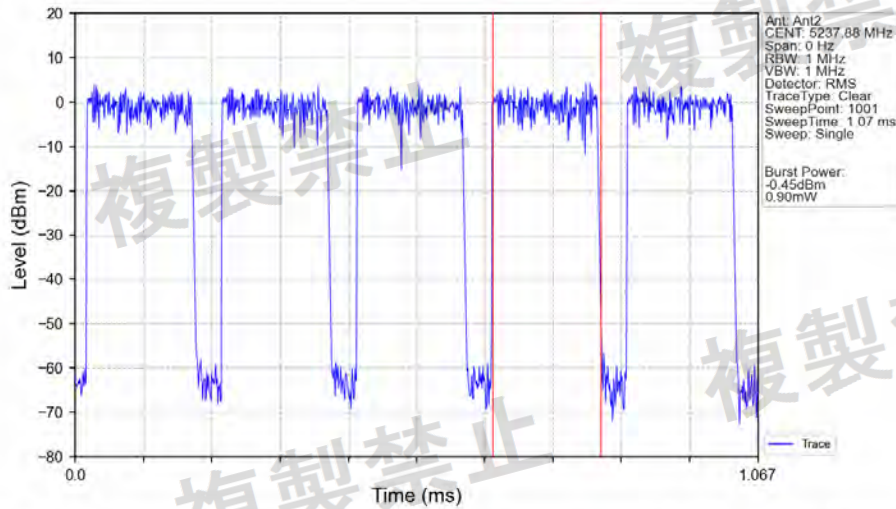


Burst No.	1	2	3	4
Length (ms)	0.189	0.170	0.169	0.169
Power(dBm)	-1.80	-1.81	-1.78	-1.67
Power(mW)	0.661	0.660	0.664	0.680
Remark	/	/	/	Max

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

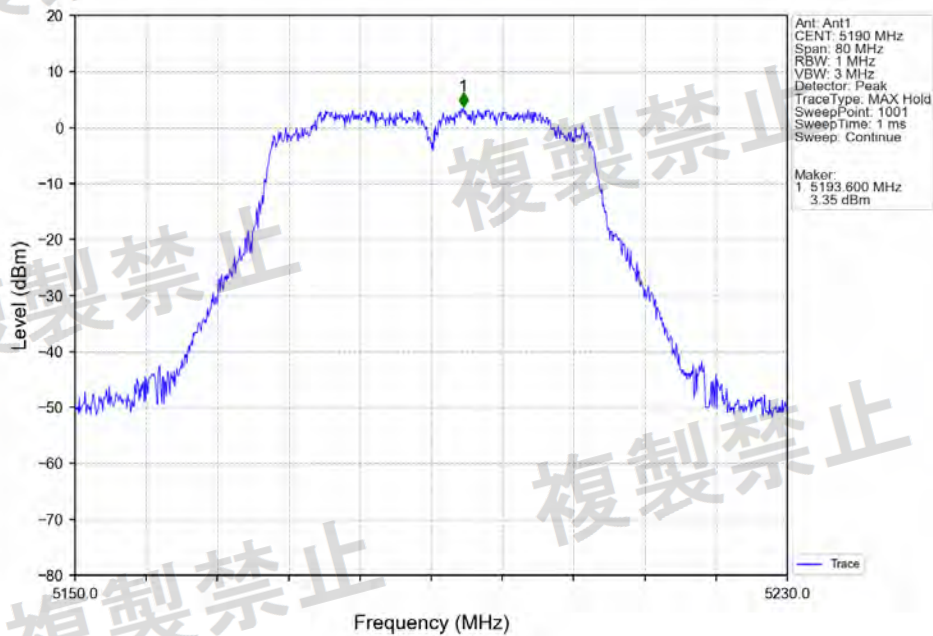


802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

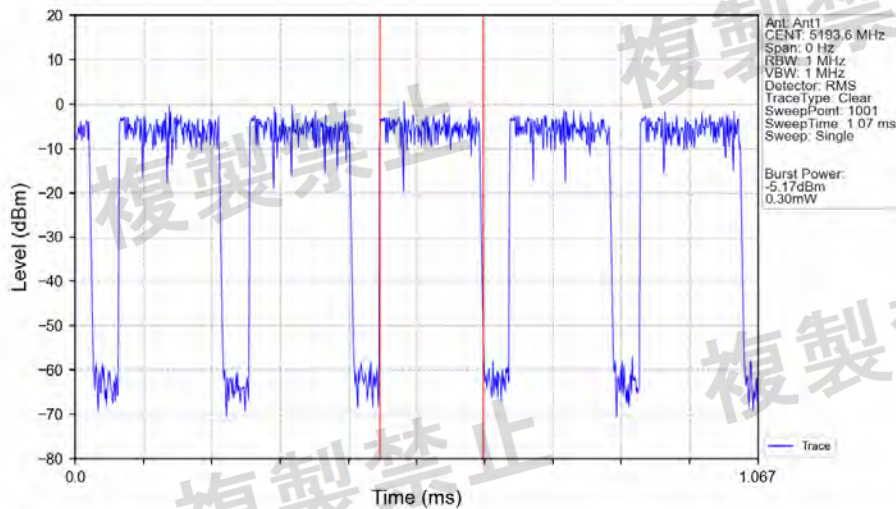


Burst No.	1	2	3	4	5
Length (ms)	0.170	0.170	0.170	0.170	0.170
Power(dBm)	-0.69	-0.69	-0.64	-0.45	-0.49
Power(mW)	0.853	0.854	0.863	0.901	0.894
Remark	/	/	/	Max	/

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

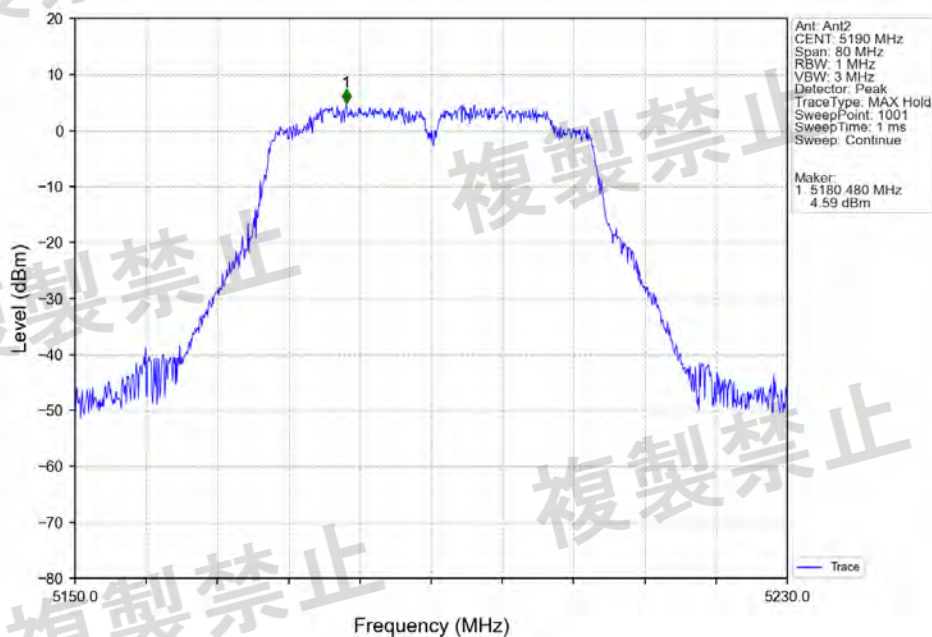


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

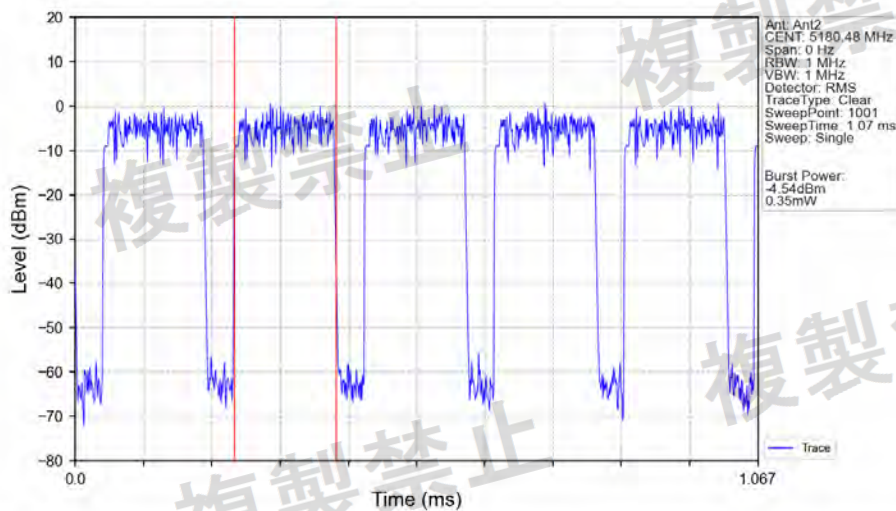


Burst No.	1	2	3	4	5
Length (ms)	0.161	0.161	0.161	0.161	0.161
Power(dBm)	-5.49	-5.47	-5.17	-5.36	-5.45
Power(mW)	0.283	0.284	0.304	0.291	0.285
Remark	/	/	Max	/	/

802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

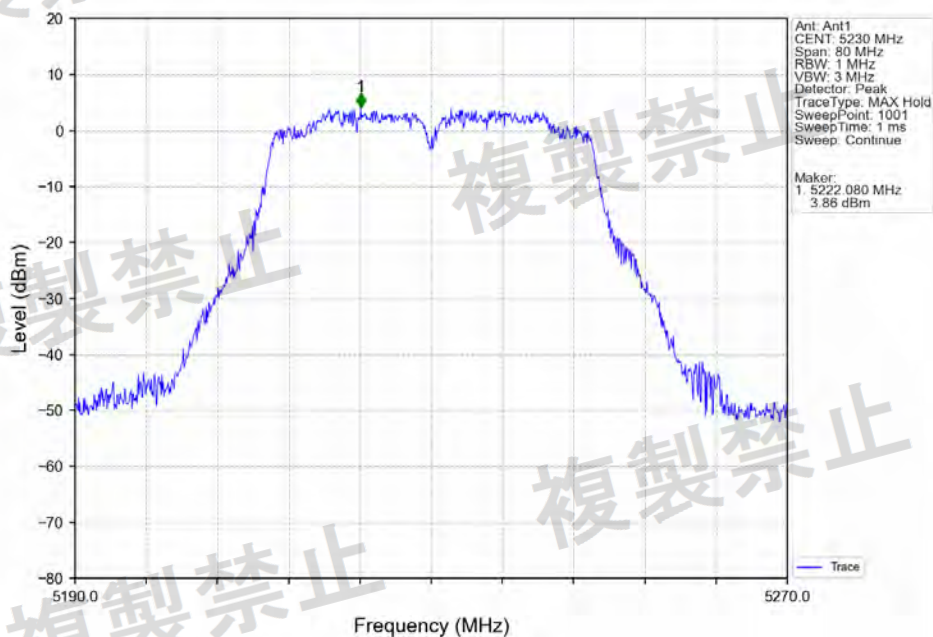


802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

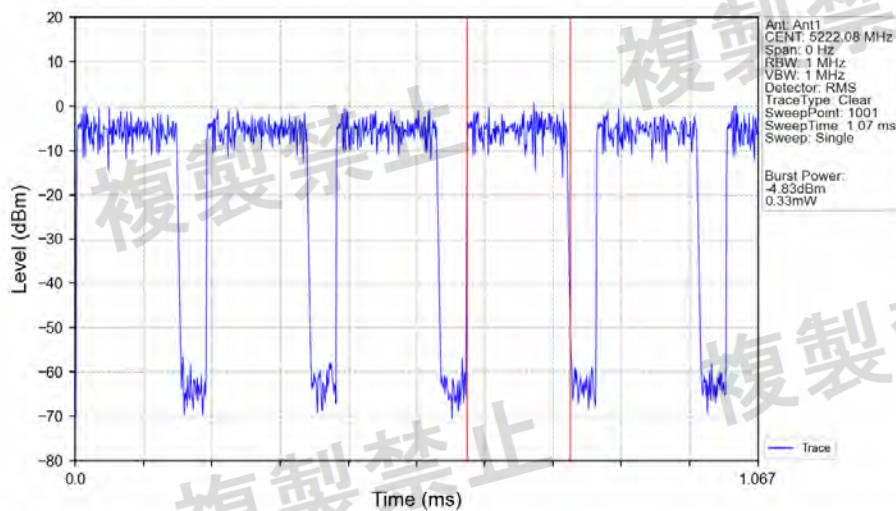


Burst No.	1	2	3	4	5
Length (ms)	0.159	0.159	0.159	0.159	0.159
Power(dBm)	-4.85	-4.54	-4.75	-4.73	-4.76
Power(mW)	0.328	0.352	0.335	0.336	0.334
Remark	/	Max	/	/	/

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

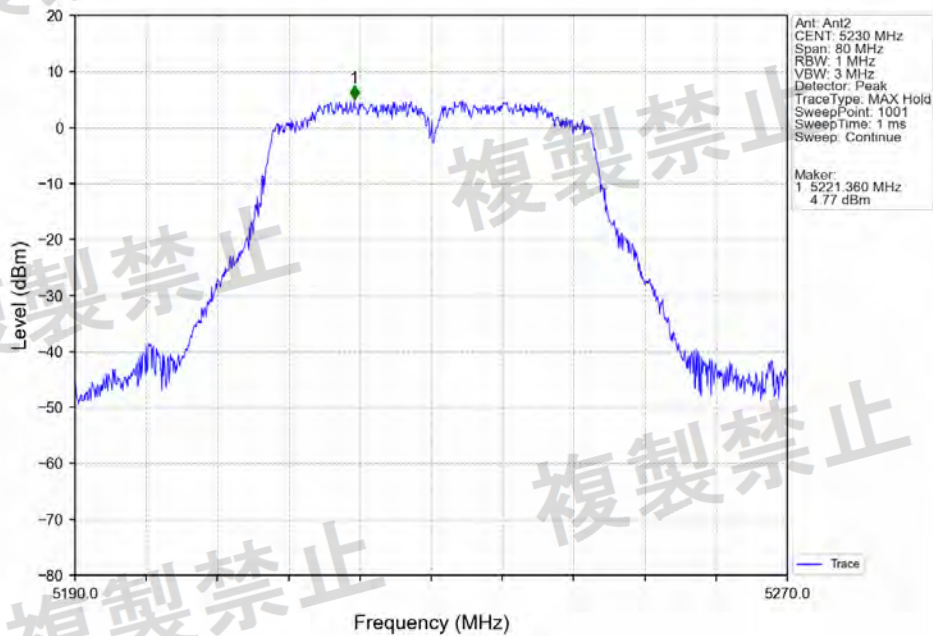


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

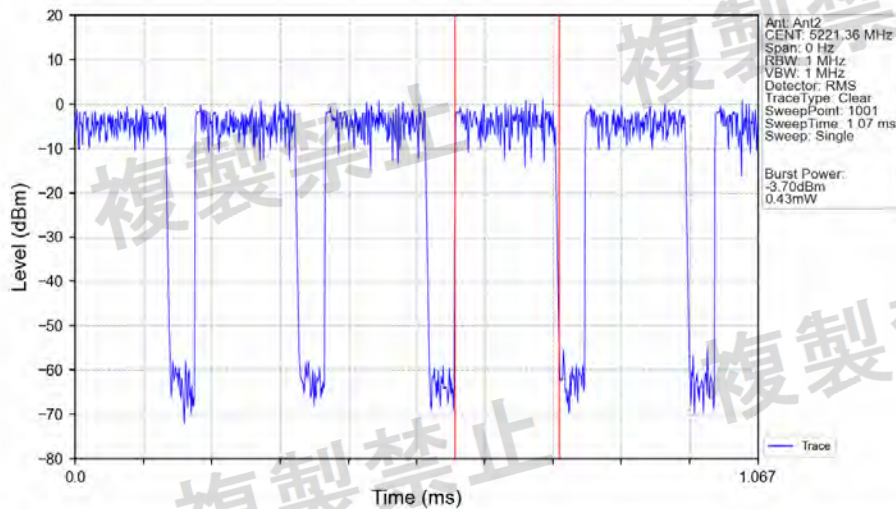


Burst No.	1	2	3	4	5
Length (ms)	0.161	0.161	0.161	0.162	0.161
Power(dBm)	-5.09	-5.11	-4.99	-4.83	-5.21
Power(mW)	0.309	0.309	0.317	0.329	0.301
Remark	/	/	/	Max	/

802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

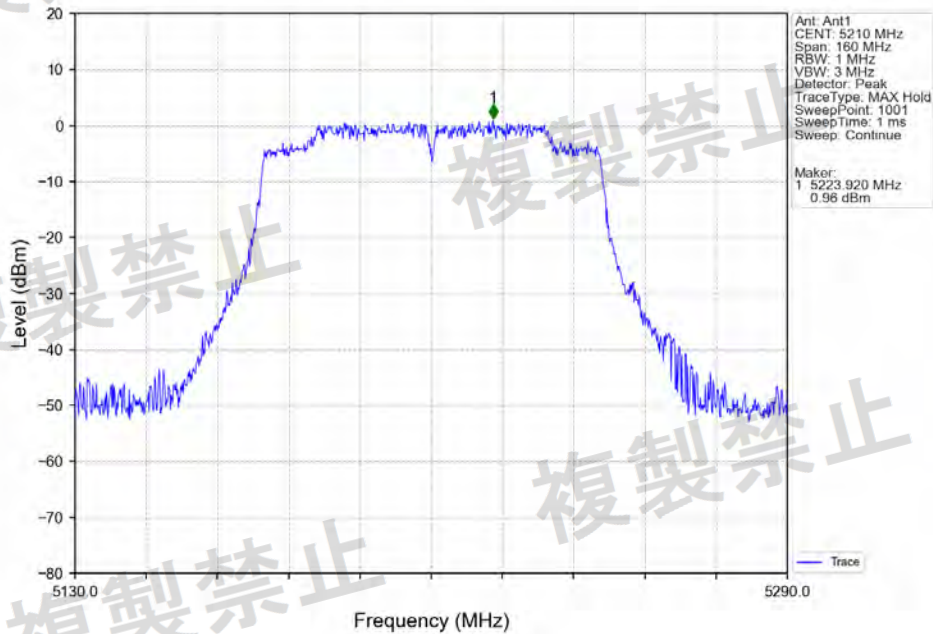


802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

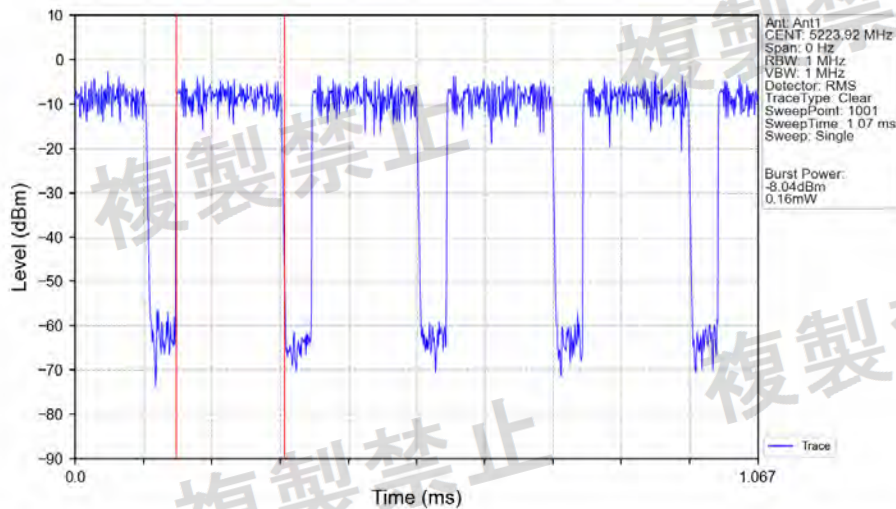


Burst No.	1	2	3	4
Length (ms)	0.161	0.161	0.162	0.161
Power(dBm)	-3.94	-3.73	-3.70	-3.80
Power(mW)	0.404	0.424	0.427	0.417
Remark	/	/	Max	/

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

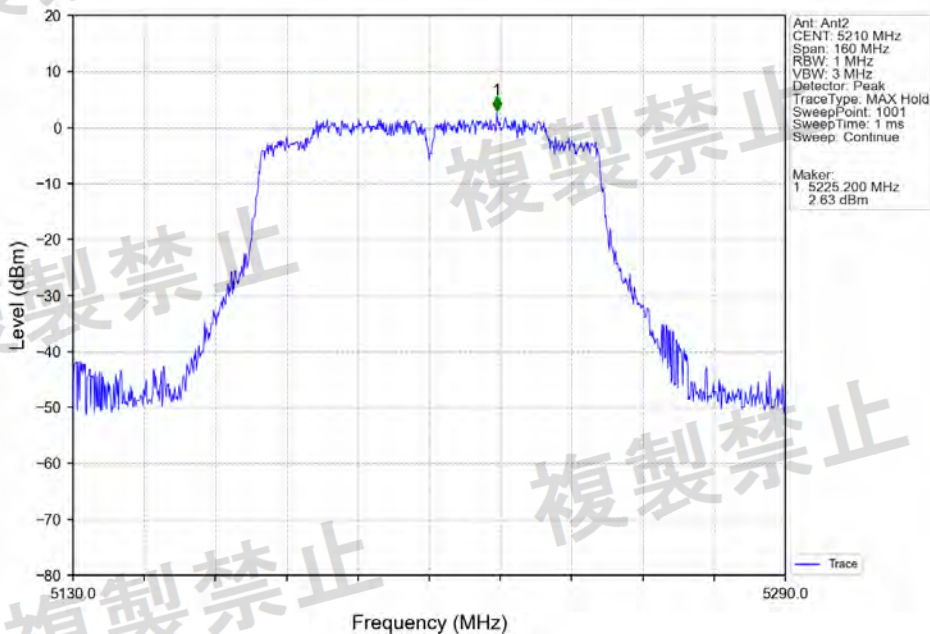


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

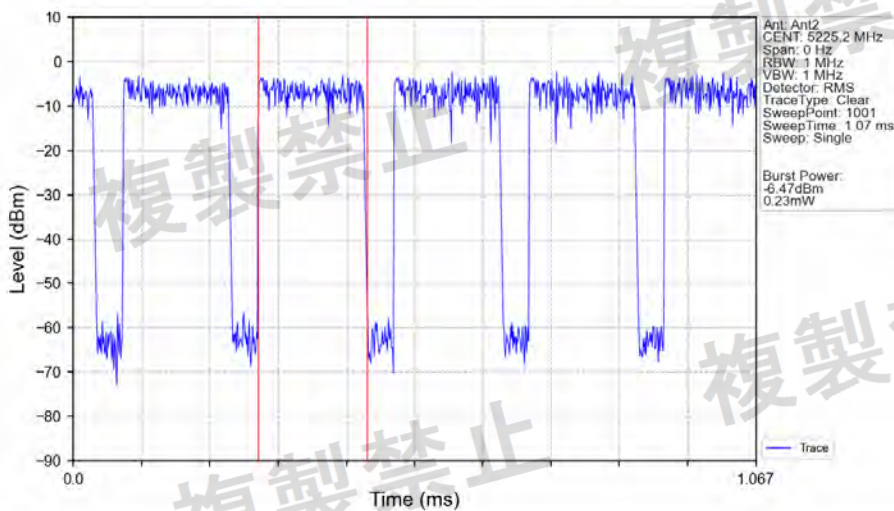


Burst No.	1	2	3	4
Length (ms)	0.169	0.169	0.170	0.169
Power(dBm)	-8.04	-8.25	-8.23	-8.20
Power(mW)	0.157	0.149	0.150	0.151
Remark	Max	/	/	/

802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



Burst No.	1	2	3	4
Length (ms)	0.170	0.170	0.169	0.170
Power(dBm)	-6.75	-6.47	-6.62	-6.70
Power(mW)	0.211	0.225	0.218	0.214
Remark	/	Max	/	/

4. Adjacent Channel Leakage Power

4.1 Test Result

4.1.1 ACLR_NTNV_SISO

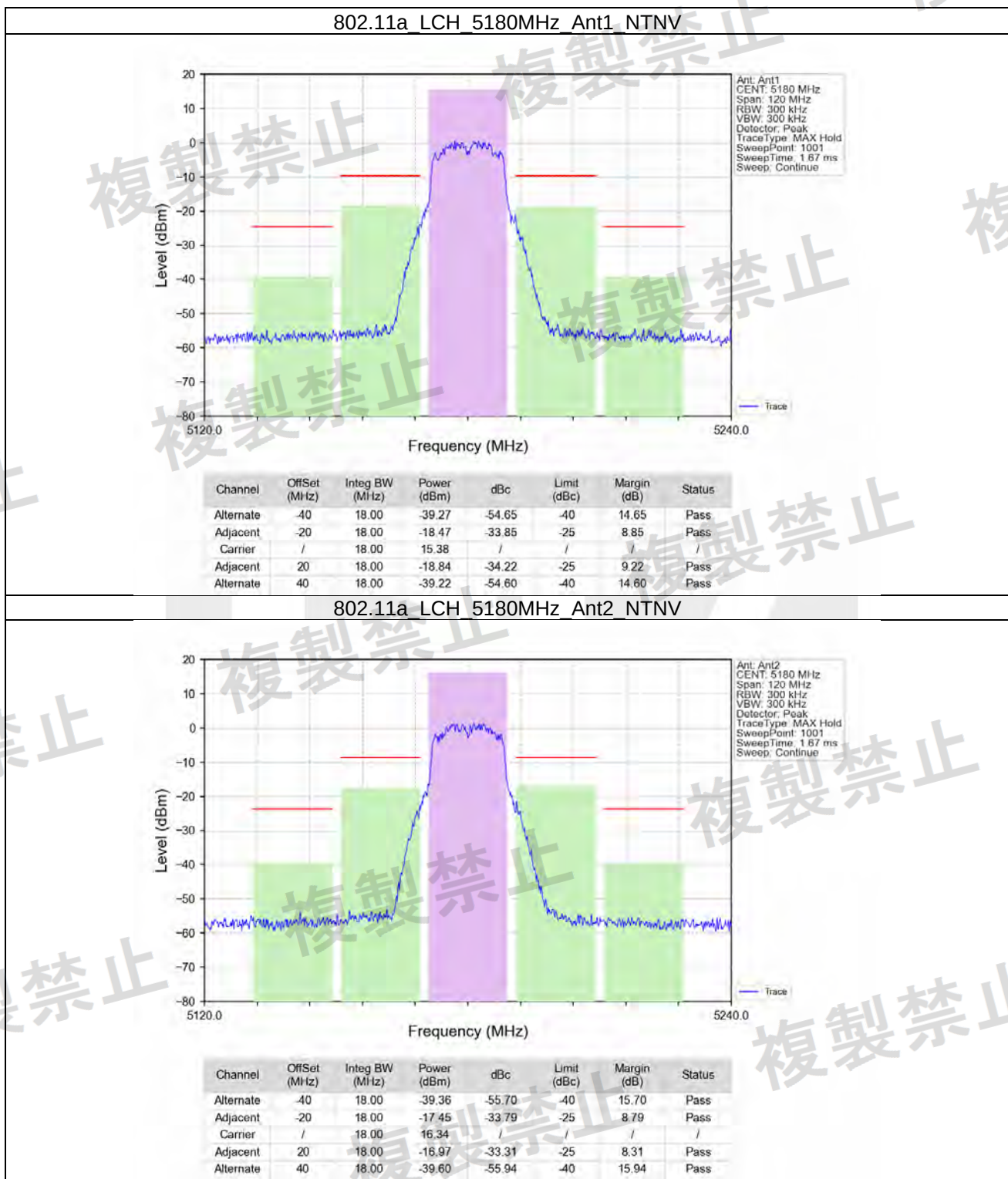
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5180	1	-40	18	-39.27	-54.65	<=-40	Pass
				-20	18	-18.47	-33.85	<=-25	Pass
				0	18	15.38	/	/	/
				20	18	-18.84	-34.22	<=-25	Pass
			2	40	18	-39.22	-54.60	<=-40	Pass
				-40	18	-39.36	-55.70	<=-40	Pass
				-20	18	-17.45	-33.79	<=-25	Pass
				0	18	16.34	/	/	/
				20	18	-16.97	-33.31	<=-25	Pass
				40	18	-39.60	-55.94	<=-40	Pass
		5200	1	-40	18	-39.31	-55.07	<=-40	Pass
				-20	18	-17.32	-33.08	<=-25	Pass
				0	18	15.76	/	/	/
				20	18	-18.17	-33.93	<=-25	Pass
			2	40	18	-38.97	-54.73	<=-40	Pass
				-40	18	-39.11	-55.78	<=-40	Pass
				-20	18	-16.39	-33.06	<=-25	Pass
				0	18	16.67	/	/	/
				20	18	-17.60	-34.27	<=-25	Pass
				40	18	-39.45	-56.12	<=-40	Pass
		5240	1	-40	18	-39.19	-55.24	<=-40	Pass
				-20	18	-17.86	-33.91	<=-25	Pass
				0	18	16.05	/	/	/
				20	18	-17.93	-33.98	<=-25	Pass
			2	40	18	-39.61	-55.66	<=-40	Pass
				-40	18	-39.61	-56.61	<=-40	Pass
				-20	18	-16.86	-33.86	<=-25	Pass
				0	18	17.00	/	/	/
				20	18	-16.94	-33.94	<=-25	Pass
				40	18	-39.41	-56.41	<=-40	Pass
802.11n (HT20)	SISO	5180	1	-40	18	-39.22	-54.45	<=-40	Pass
				-20	18	-17.79	-33.02	<=-25	Pass
				0	18	15.23	/	/	/
				20	18	-17.84	-33.07	<=-25	Pass
			2	40	18	-39.07	-54.30	<=-40	Pass
				-40	18	-39.23	-55.59	<=-40	Pass
				-20	18	-17.49	-33.85	<=-25	Pass
				0	18	16.36	/	/	/
		5200	1	20	18	-17.72	-34.08	<=-25	Pass
				40	18	-39.33	-55.69	<=-40	Pass
				-40	18	-38.98	-54.71	<=-40	Pass
				-20	18	-17.76	-33.49	<=-25	Pass
				0	18	15.73	/	/	/
				20	18	-17.83	-33.56	<=-25	Pass

				2	40	18	-39.35	-55.08	<=-40	Pass																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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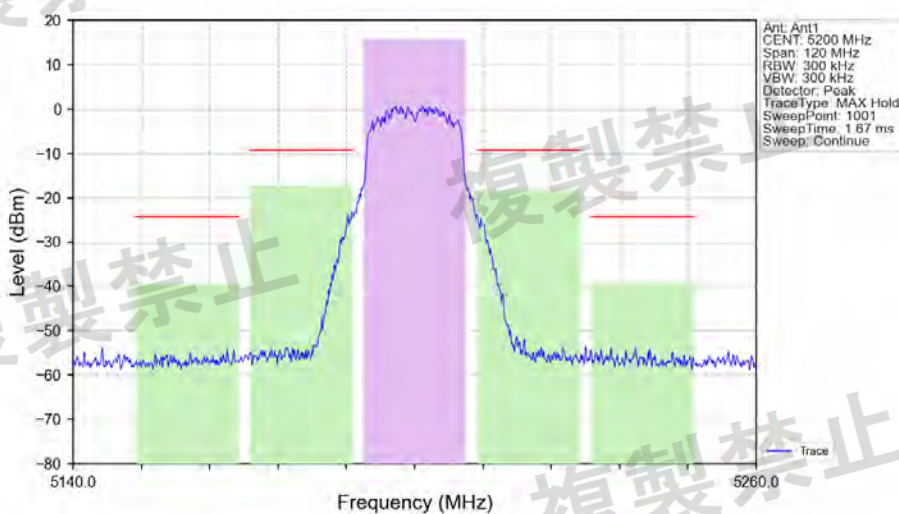
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				-20	18	-17.93	-33.82	<=-25	Pass
				0	18	15.89	/	/	/
				20	18	-17.28	-33.17	<=-25	Pass
				40	18	-39.45	-55.34	<=-40	Pass
			2	-40	18	-39.62	-56.40	<=-40	Pass
				-20	18	-16.56	-33.34	<=-25	Pass
				0	18	16.78	/	/	/
				20	18	-16.88	-33.66	<=-25	Pass
				40	18	-39.71	-56.49	<=-40	Pass
802.11ac (VHT40)	SISO	5190	1	-80	40	-36.25	-51.70	<=-40	Pass
				-40	40	-18.97	-34.42	<=-25	Pass
				0	40	15.45	/	/	/
				40	40	-18.33	-33.78	<=-25	Pass
			2	80	40	-36.49	-51.94	<=-40	Pass
				-80	40	-36.37	-53.08	<=-40	Pass
				-40	40	-17.10	-33.81	<=-25	Pass
				0	40	16.71	/	/	/
		5230	1	40	40	-17.25	-33.96	<=-25	Pass
				80	40	-36.50	-53.21	<=-40	Pass
				-80	40	-36.05	-52.02	<=-40	Pass
				-40	40	-17.89	-33.86	<=-25	Pass
			2	0	40	15.97	/	/	/
				40	40	-17.38	-33.35	<=-25	Pass
				80	40	-36.46	-52.43	<=-40	Pass
				-80	40	-36.09	-53.22	<=-40	Pass
802.11ac (VHT80)	SISO	5210	1	-40	40	-17.31	-34.44	<=-25	Pass
				0	40	17.13	/	/	/
				40	40	-16.74	-33.87	<=-25	Pass
				80	40	-36.28	-53.41	<=-40	Pass
			2	-80	80	-18.33	-34.41	<=-25	Pass
				0	80	16.08	/	/	/
				80	80	-19.03	-35.11	<=-25	Pass
				-80	80	-17.66	-34.95	<=-25	Pass
				0	80	17.29	/	/	/
				80	80	-17.14	-34.43	<=-25	Pass

4.2 Test Graph

4.2.1 ACLR_NTNV_SISO

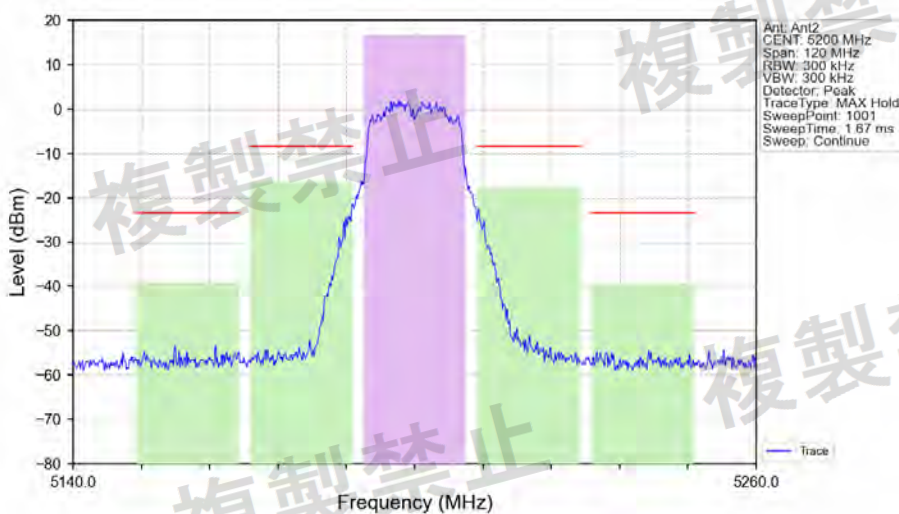


802.11a MCH_5200MHz_Ant1_NTNV



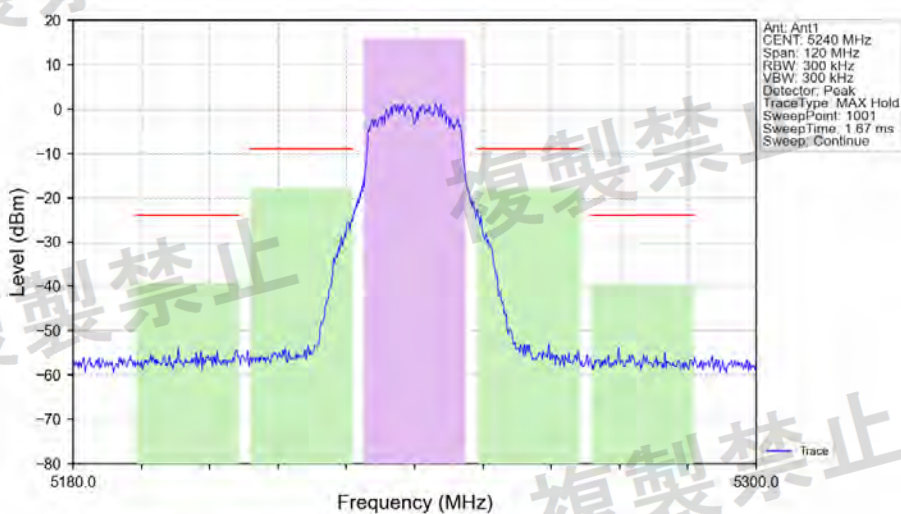
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.31	-55.07	-40	15.07	Pass
Adjacent	-20	18.00	-17.32	-33.08	-25	8.08	Pass
Carrier	/	18.00	15.76	/	/	/	/
Adjacent	20	18.00	-18.17	-33.93	-25	8.93	Pass
Alternate	40	18.00	-38.97	-54.73	-40	14.73	Pass

802.11a MCH_5200MHz_Ant2_NTNV



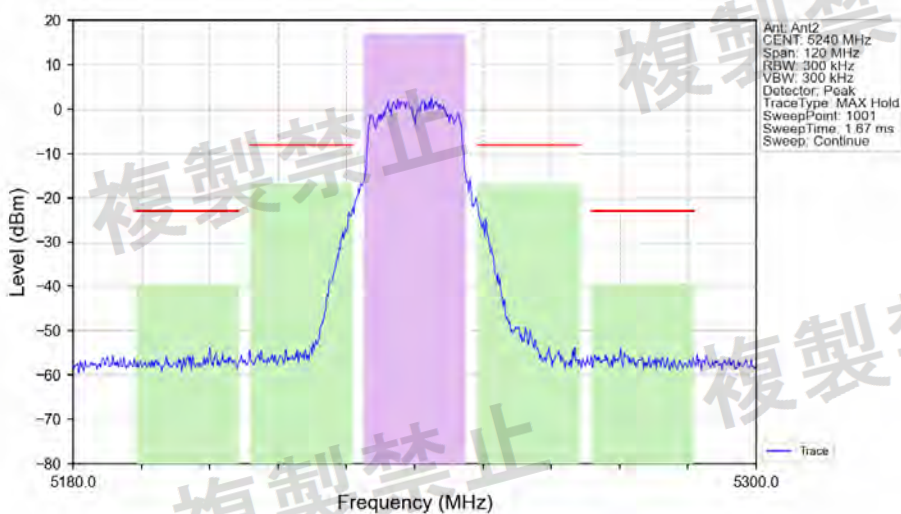
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.11	-55.78	-40	15.78	Pass
Adjacent	-20	18.00	-16.39	-33.06	-25	8.06	Pass
Carrier	/	18.00	16.67	/	/	/	/
Adjacent	20	18.00	-17.60	-34.27	-25	9.27	Pass
Alternate	40	18.00	-39.45	-56.12	-40	16.12	Pass

802.11a HCH 5240MHz_Ant1_NTNV



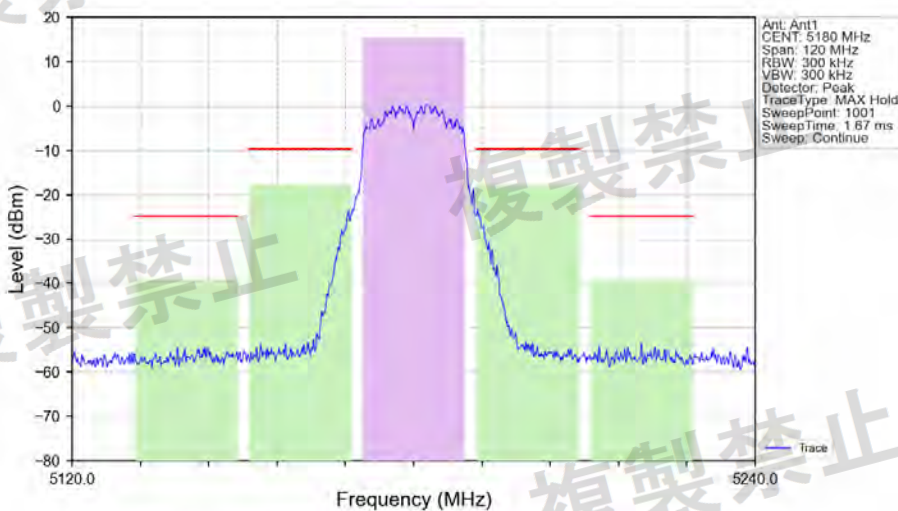
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.19	-55.24	-40	15.24	Pass
Adjacent	-20	18.00	-17.86	-33.91	-25	8.91	Pass
Carrier	/	18.00	16.05	/	/	/	/
Adjacent	20	18.00	-17.93	-33.98	-25	8.98	Pass
Alternate	40	18.00	-39.61	-55.66	-40	15.66	Pass

802.11a HCH 5240MHz_Ant2_NTNV



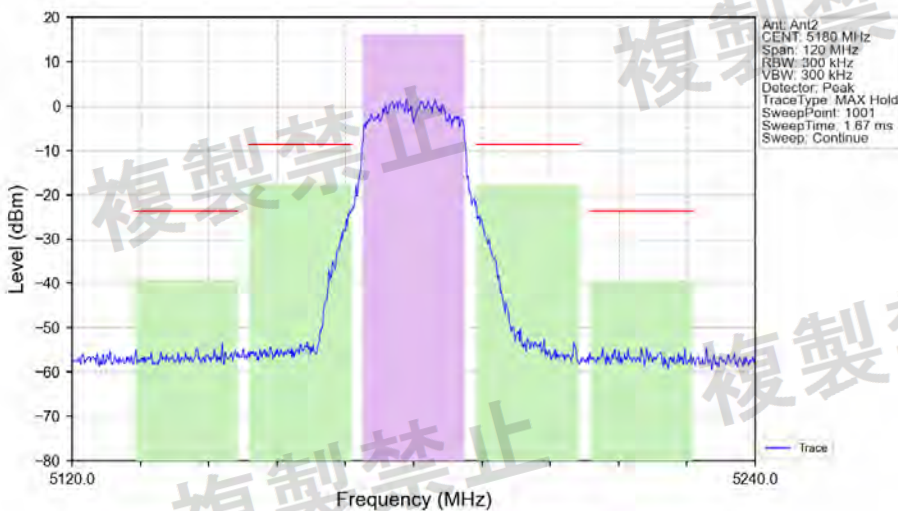
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.61	-56.61	-40	16.61	Pass
Adjacent	-20	18.00	-16.86	-33.86	-25	8.86	Pass
Carrier	/	18.00	17.00	/	/	/	/
Adjacent	20	18.00	-16.94	-33.94	-25	8.94	Pass
Alternate	40	18.00	-39.41	-56.41	-40	16.41	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



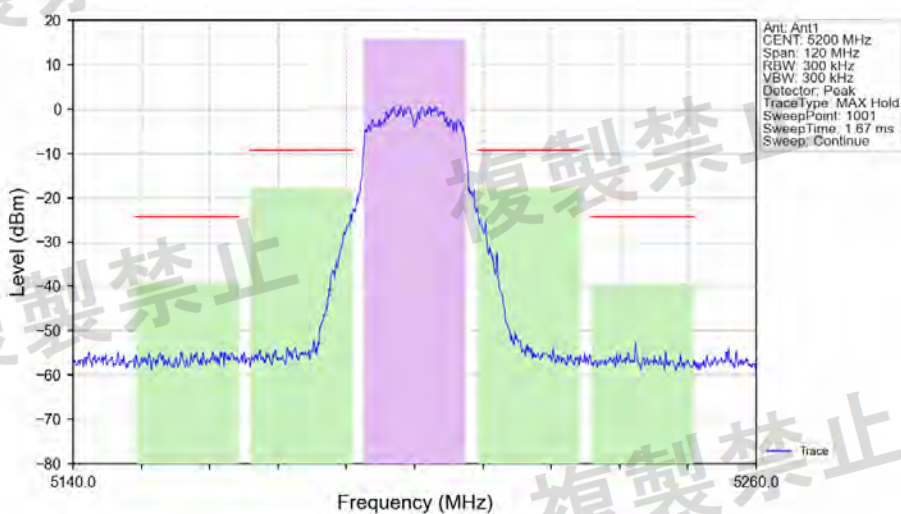
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.22	-54.45	-40	14.45	Pass
Adjacent	-20	18.00	-17.79	-33.02	-25	8.02	Pass
Carrier	/	18.00	15.23	/	/	/	/
Adjacent	20	18.00	-17.84	-33.07	-25	8.07	Pass
Alternate	40	18.00	-39.07	-54.30	-40	14.30	Pass

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



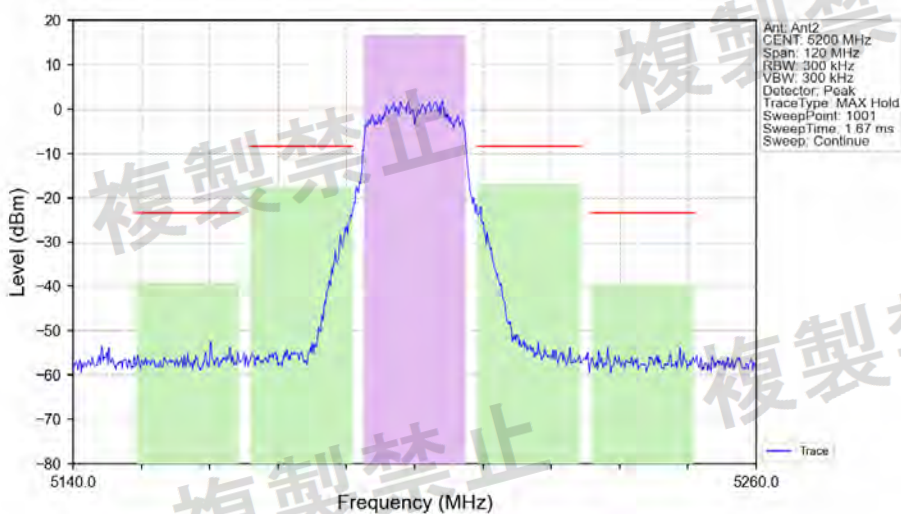
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.23	-55.59	-40	15.59	Pass
Adjacent	-20	18.00	-17.49	-33.85	-25	8.85	Pass
Carrier	/	18.00	16.36	/	/	/	/
Adjacent	20	18.00	-17.72	-34.08	-25	9.08	Pass
Alternate	40	18.00	-39.33	-55.69	-40	15.69	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



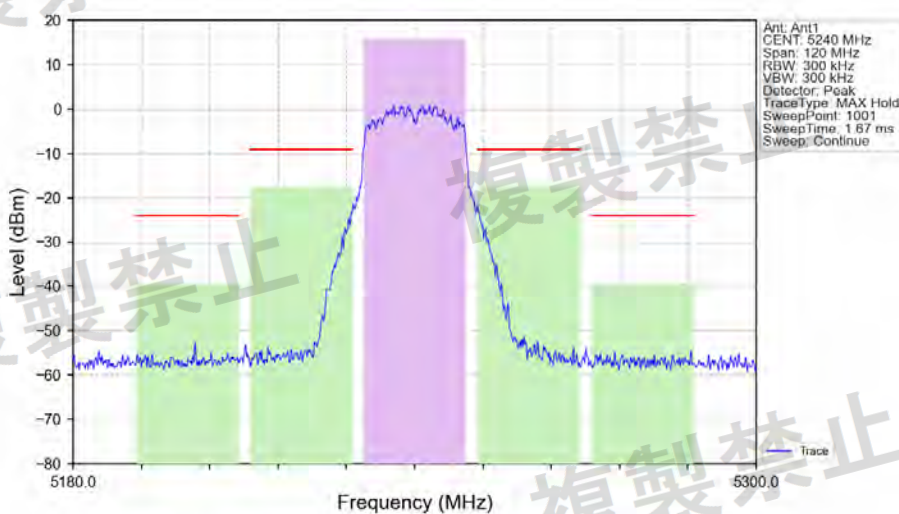
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-38.98	-54.71	-40	14.71	Pass
Adjacent	-20	18.00	-17.76	-33.49	-25	8.49	Pass
Carrier	/	18.00	15.73	/	/	/	/
Adjacent	20	18.00	-17.83	-33.56	-25	8.56	Pass
Alternate	40	18.00	-39.35	-55.08	-40	15.08	Pass

802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



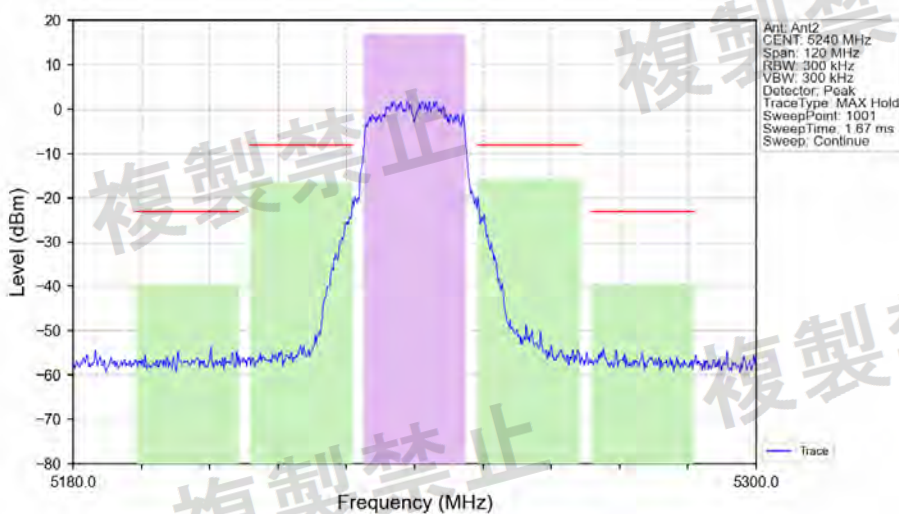
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.28	-55.94	-40	15.94	Pass
Adjacent	-20	18.00	-17.44	-34.10	-25	9.10	Pass
Carrier	/	18.00	16.66	/	/	/	/
Adjacent	20	18.00	-16.87	-33.53	-25	8.53	Pass
Alternate	40	18.00	-39.48	-56.14	-40	16.14	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



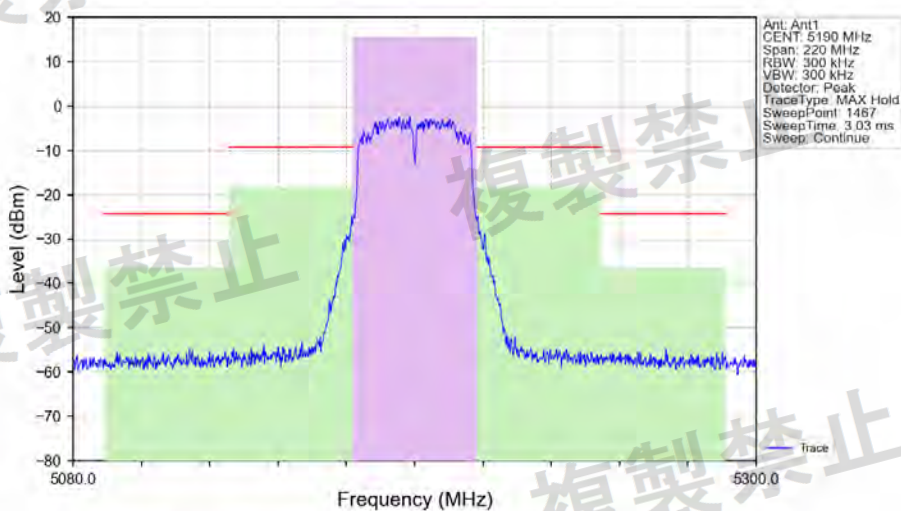
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.29	-55.22	-40	15.22	Pass
Adjacent	-20	18.00	-17.59	-33.52	-25	8.52	Pass
Carrier	/	18.00	15.93	/	/	/	/
Adjacent	20	18.00	-17.29	-33.22	-25	8.22	Pass
Alternate	40	18.00	-39.35	-55.28	-40	15.28	Pass

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



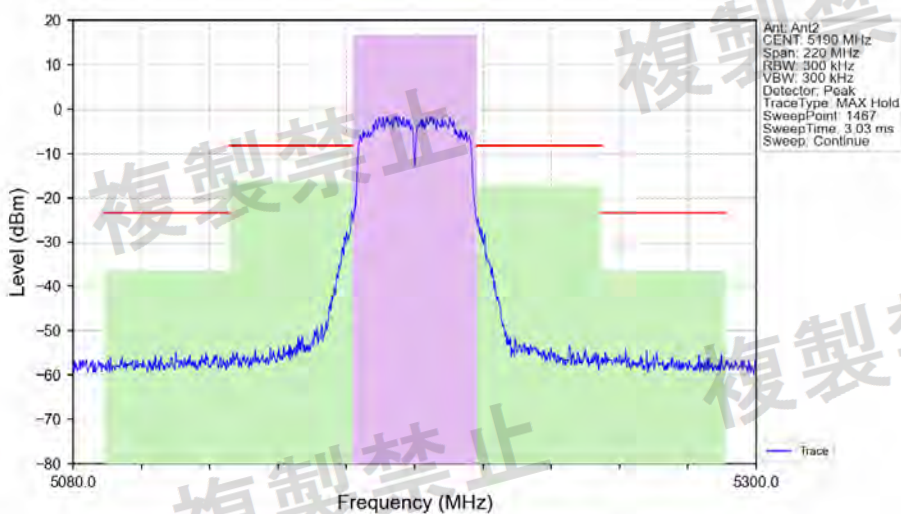
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.54	-56.43	-40	16.43	Pass
Adjacent	-20	18.00	-16.68	-33.57	-25	8.57	Pass
Carrier	/	18.00	16.89	/	/	/	/
Adjacent	20	18.00	-15.95	-32.84	-25	7.84	Pass
Alternate	40	18.00	-39.44	-56.33	-40	16.33	Pass

802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



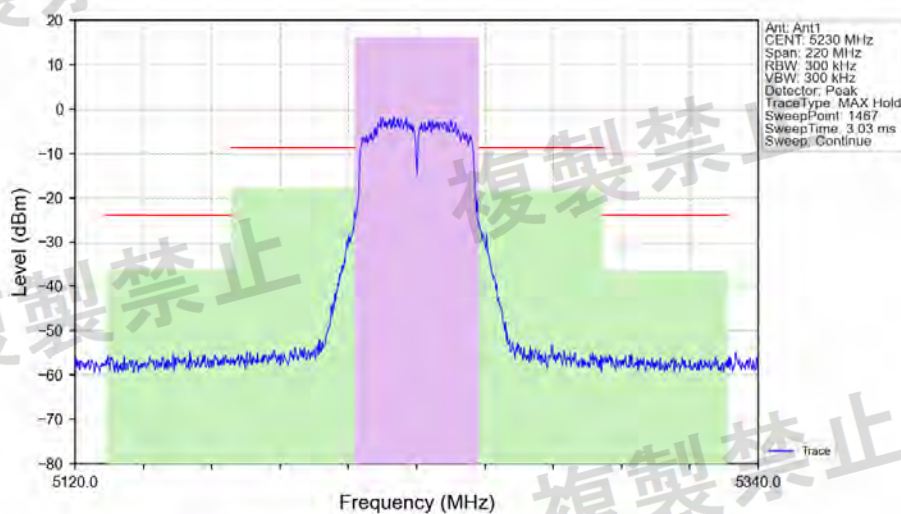
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.54	-52.22	-40	12.22	Pass
Adjacent	-40	40.00	-18.22	-33.90	-25	8.90	Pass
Carrier	/	40.00	15.68	/	/	/	/
Adjacent	40	40.00	-18.18	-33.86	-25	8.86	Pass
Alternate	80	40.00	-36.39	-52.07	-40	12.07	Pass

802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



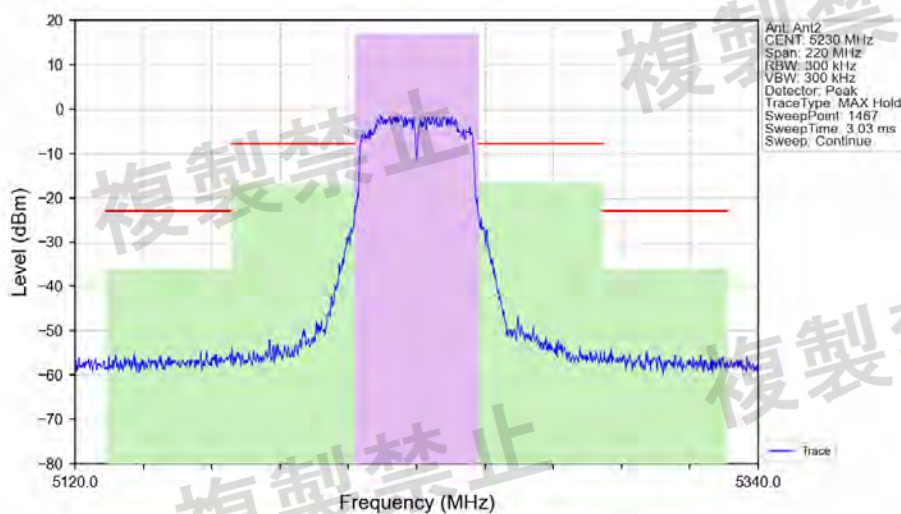
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.46	-53.16	-40	13.16	Pass
Adjacent	-40	40.00	-16.52	-33.22	-25	8.22	Pass
Carrier	/	40.00	16.70	/	/	/	/
Adjacent	40	40.00	-17.22	-33.92	-25	8.92	Pass
Alternate	80	40.00	-36.41	-53.11	-40	13.11	Pass

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



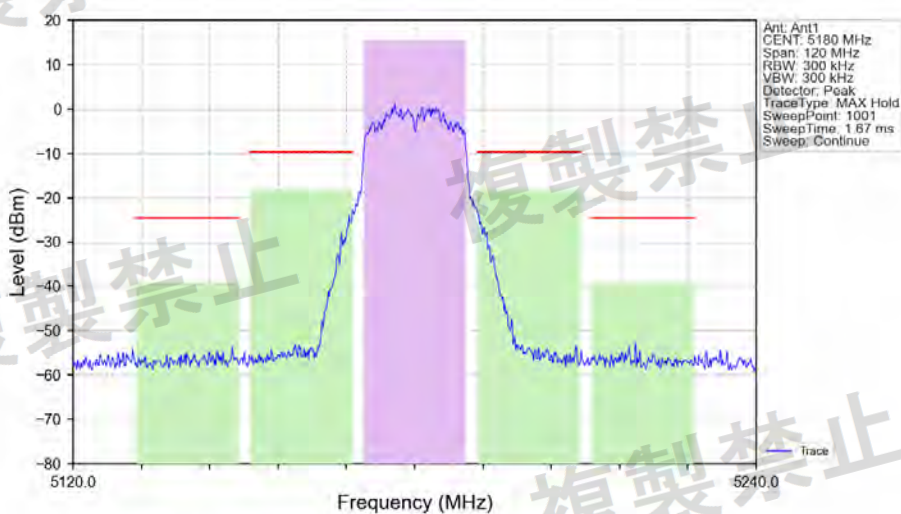
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.23	-52.39	-40	12.39	Pass
Adjacent	-40	40.00	-17.80	-33.96	-25	8.96	Pass
Carrier	/	40.00	16.16	/	/	/	/
Adjacent	40	40.00	-18.08	-34.24	-25	9.24	Pass
Alternate	80	40.00	-36.49	-52.65	-40	12.65	Pass

802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



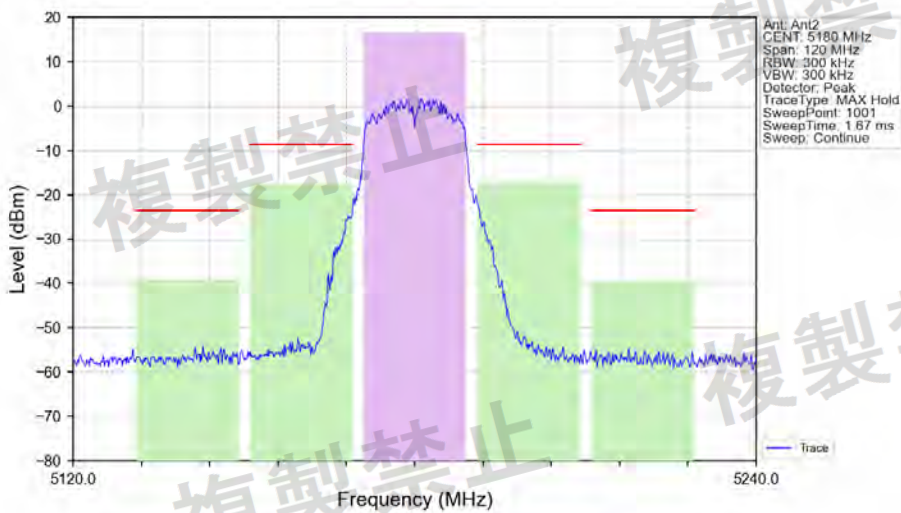
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.14	-53.24	-40	13.24	Pass
Adjacent	-40	40.00	-16.95	-34.05	-25	9.05	Pass
Carrier	/	40.00	17.10	/	/	/	/
Adjacent	40	40.00	-18.55	-33.65	-25	8.65	Pass
Alternate	80	40.00	-36.07	-53.17	-40	13.17	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



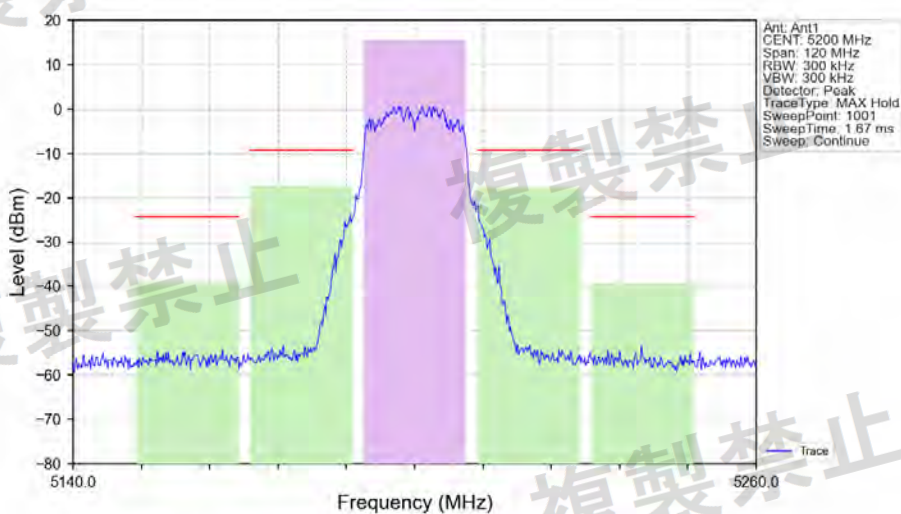
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.16	-54.52	-40	14.52	Pass
Adjacent	-20	18.00	-18.05	-33.41	-25	8.41	Pass
Carrier	/	18.00	15.36	/	/	/	/
Adjacent	20	18.00	-17.98	-33.34	-25	8.34	Pass
Alternate	40	18.00	-39.10	-54.46	-40	14.46	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



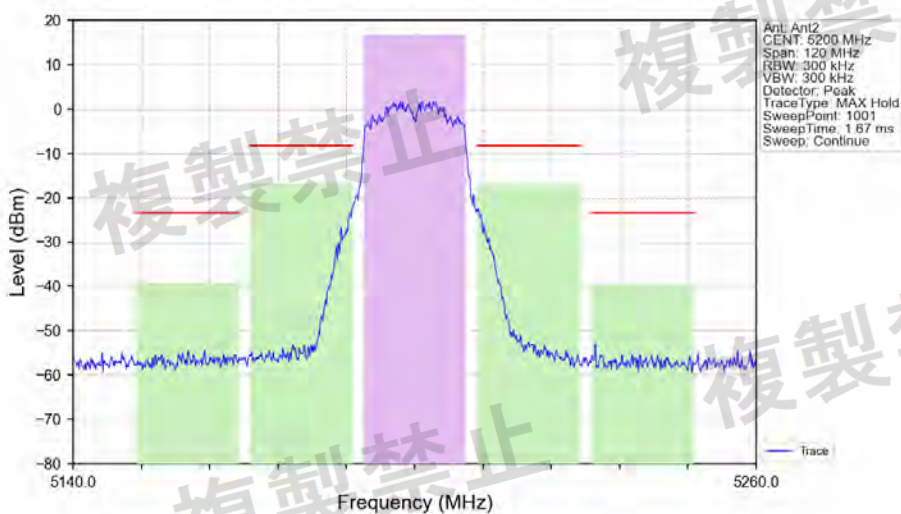
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.25	-55.73	-40	15.73	Pass
Adjacent	-20	18.00	-17.46	-33.94	-25	8.94	Pass
Carrier	/	18.00	16.48	/	/	/	/
Adjacent	20	18.00	-17.24	-33.72	-25	8.72	Pass
Alternate	40	18.00	-39.50	-55.98	-40	15.98	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



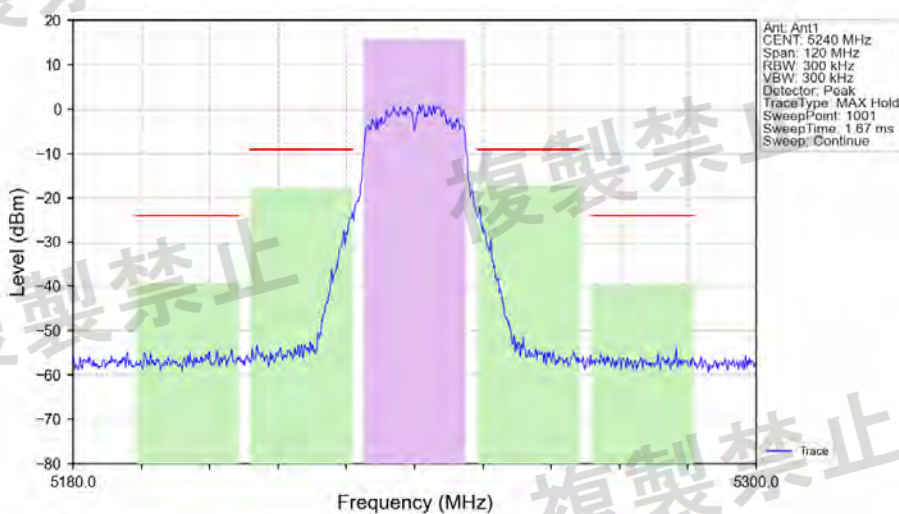
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-38.96	-54.65	-40	14.65	Pass
Adjacent	-20	18.00	-17.39	-33.08	-25	8.08	Pass
Carrier	/	18.00	15.69	/	/	/	/
Adjacent	20	18.00	-17.66	-33.35	-25	8.35	Pass
Alternate	40	18.00	-39.25	-54.94	-40	14.94	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



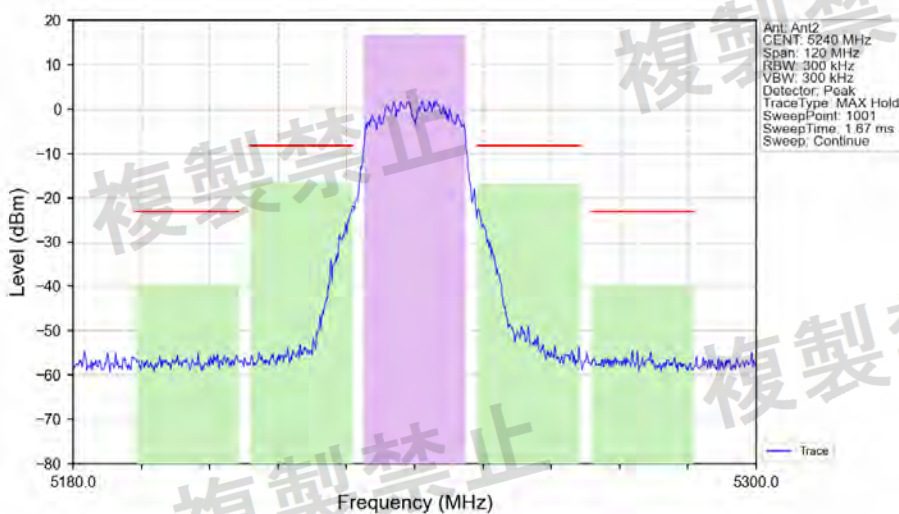
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.23	-55.92	-40	15.92	Pass
Adjacent	-20	18.00	-16.71	-33.40	-25	8.40	Pass
Carrier	/	18.00	16.69	/	/	/	/
Adjacent	20	18.00	-17.04	-33.73	-25	8.73	Pass
Alternate	40	18.00	-39.53	-56.22	-40	16.22	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



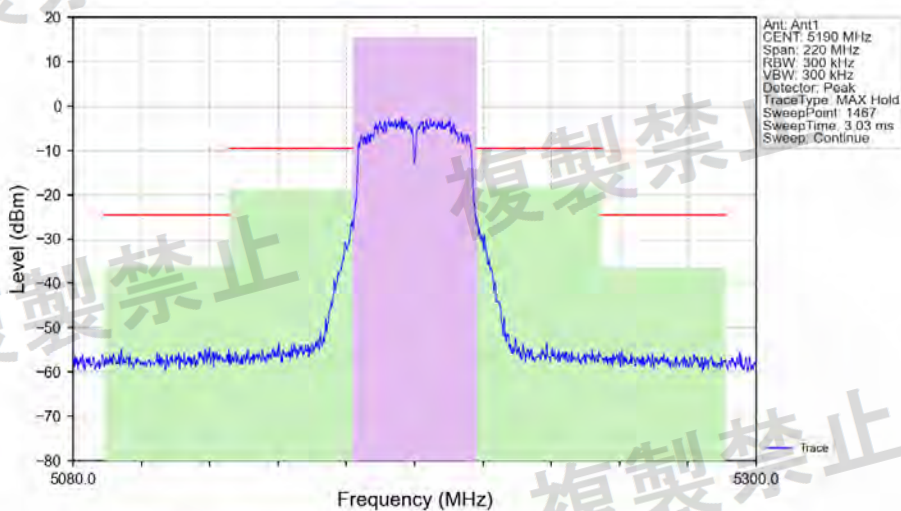
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.26	-55.15	-40	15.15	Pass
Adjacent	-20	18.00	-17.93	-33.82	-25	8.82	Pass
Carrier	/	18.00	15.89	/	/	/	/
Adjacent	20	18.00	-17.28	-33.17	-25	8.17	Pass
Alternate	40	18.00	-39.45	-55.34	-40	15.34	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



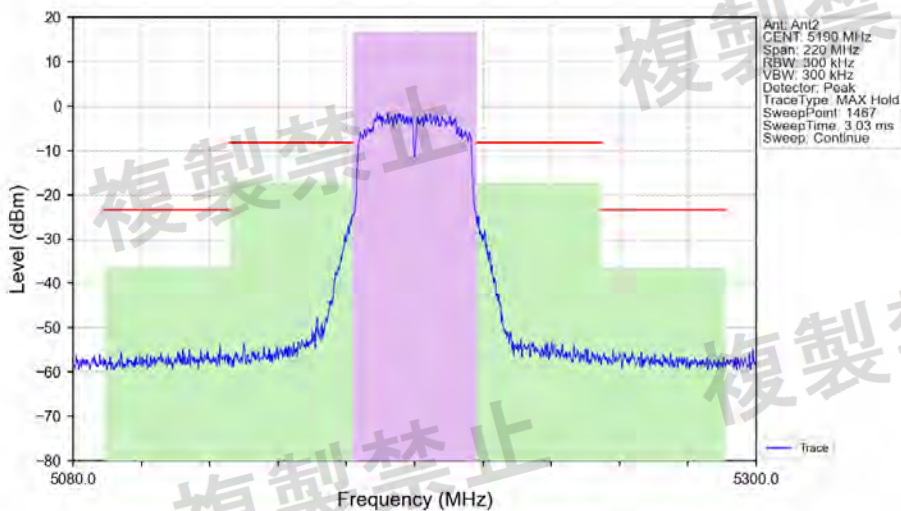
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-39.62	-56.40	-40	16.40	Pass
Adjacent	-20	18.00	-16.56	-33.34	-25	8.34	Pass
Carrier	/	18.00	16.78	/	/	/	/
Adjacent	20	18.00	-16.88	-33.66	-25	8.66	Pass
Alternate	40	18.00	-39.71	-56.49	-40	16.49	Pass

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



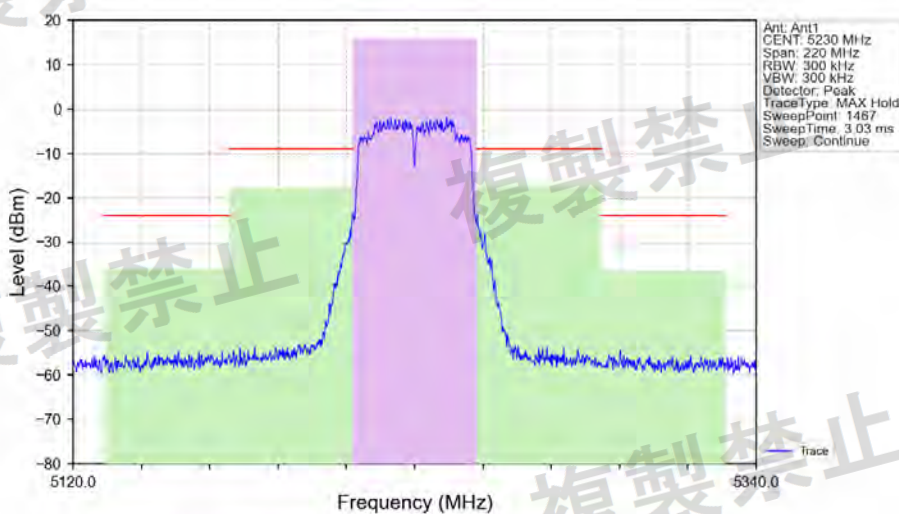
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.25	-51.70	-40	11.70	Pass
Adjacent	-40	40.00	-18.97	-34.42	-25	9.42	Pass
Carrier	/	40.00	15.45	/	/	/	/
Adjacent	40	40.00	-18.33	-33.78	-25	8.78	Pass
Alternate	80	40.00	-36.49	-51.94	-40	11.94	Pass

802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



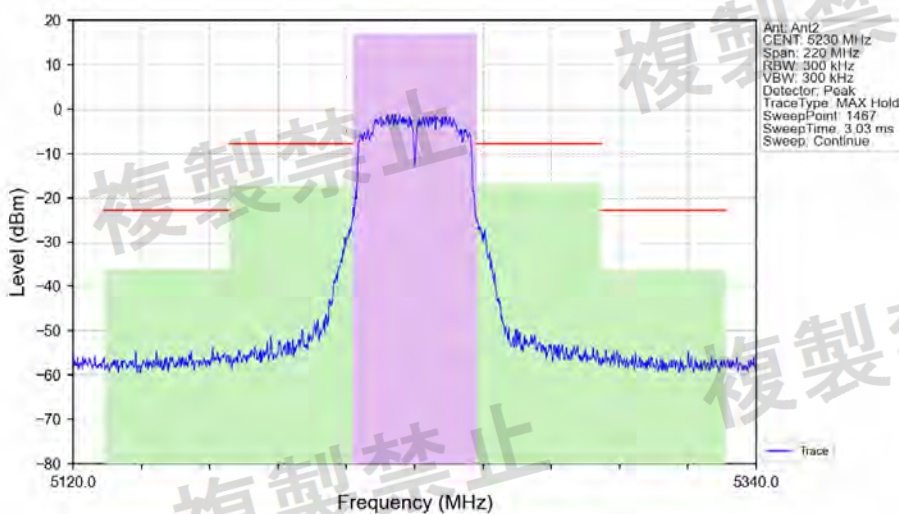
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.37	-53.08	-40	13.08	Pass
Adjacent	-40	40.00	-17.10	-33.81	-25	8.81	Pass
Carrier	/	40.00	16.71	/	/	/	/
Adjacent	40	40.00	-17.25	-33.96	-25	8.96	Pass
Alternate	80	40.00	-36.50	-53.21	-40	13.21	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



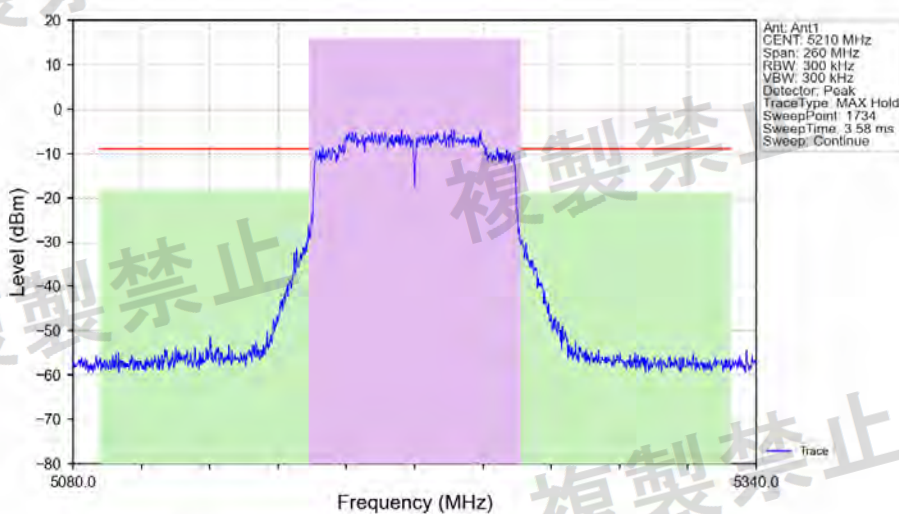
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.05	-52.02	-40	12.02	Pass
Adjacent	-40	40.00	-17.89	-33.86	-25	8.86	Pass
Carrier	/	40.00	15.97	/	/	/	/
Adjacent	40	40.00	-17.38	-33.35	-25	8.35	Pass
Alternate	80	40.00	-36.46	-52.43	-40	12.43	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



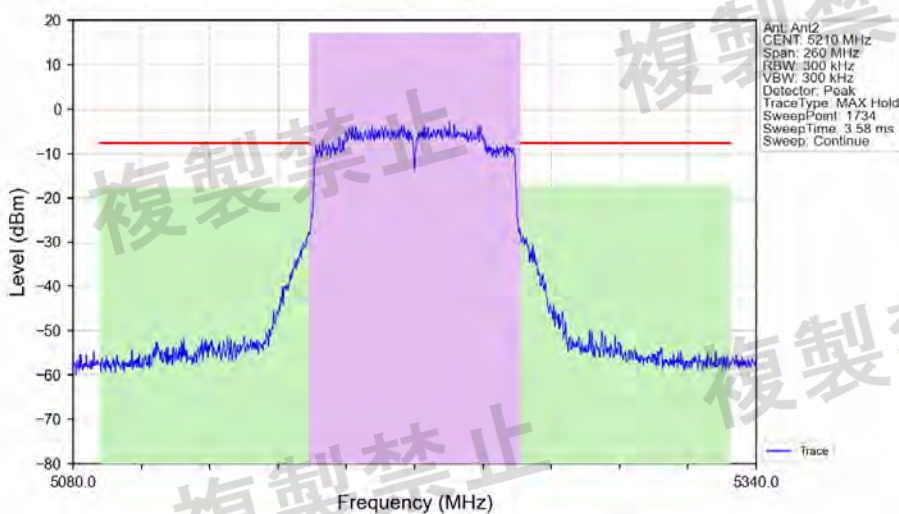
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-36.09	-53.22	-40	13.22	Pass
Adjacent	-40	40.00	-17.31	-34.44	-25	9.44	Pass
Carrier	/	40.00	17.13	/	/	/	/
Adjacent	40	40.00	-18.74	-33.87	-25	8.87	Pass
Alternate	80	40.00	-36.28	-53.41	-40	13.41	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-18.33	-34.41	-25	9.41	Pass
Carrier	/	80.00	16.08	/	/	/	/
Adjacent	80	80.00	-19.03	-35.11	-25	10.11	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-17.66	-34.95	-25	9.95	Pass
Carrier	/	80.00	17.29	/	/	/	/
Adjacent	80	80.00	-17.14	-34.43	-25	9.43	Pass

5. Out Of Bands Leakage Power

5.1 Test Result

5.1.1 OOB_NTNV_SISO

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	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	SISO	5180	1	5142	5150	5149.08	-44.14	0.039	/	/	15	Pass
				5250	5251	5250.953	-46.87	0.021	/	/	111.429	Pass
				5251	5260	5259.559	-47.56	0.018	/	/	17.346	Pass
				5260	5266.7	5266.68	-47.85	0.016	/	/	2.503	Pass
			2	5142	5150	5147.096	-45.23	0.030	/	/	15	Pass
				5250	5251	5250.988	-47.97	0.016	/	/	102.802	Pass
				5251	5260	5259.766	-48.08	0.016	/	/	16.626	Pass
				5260	5266.7	5266.613	-48.12	0.015	/	/	2.549	Pass
		5200	1	5142	5150	5145.568	-45.34	0.029	/	/	15	Pass
				5250	5251	5250.999	-47.01	0.020	/	/	100.231	Pass
				5251	5260	5259.154	-45.99	0.025	/	/	18.845	Pass
				5260	5266.7	5266.673	-48.09	0.016	/	/	2.507	Pass
			2	5142	5150	5144.72	-46.75	0.021	/	/	15	Pass
				5250	5251	5250.984	-47.04	0.020	/	/	103.753	Pass
				5251	5260	5259.865	-47.57	0.017	/	/	16.293	Pass
				5260	5266.7	5266.486	-48.51	0.014	/	/	2.64	Pass
		5240	1	5142	5150	5142.384	-46.86	0.021	/	/	15	Pass
				5250	5251	5250.989	-11.15	76.736	/	/	102.565	Pass
				5251	5260	5251.315	-13.25	47.315	/	/	93.756	Pass
				5260	5266.7	5265.655	-45.82	0.026	/	/	3.322	Pass
			2	5142	5150	5149.592	-46.54	0.022	/	/	15	Pass
				5250	5251	5250.971	-10.26	94.189	/	/	106.905	Pass
				5251	5260	5251.135	-12.09	61.802	/	/	97.275	Pass
				5260	5266.7	5266.057	-44.88	0.033	/	/	2.973	Pass
802.11n (HT20)	SISO	5180	1	5142	5150	5149.024	-44.93	0.032	/	/	15	Pass
				5250	5251	5250.975	-47.22	0.019	/	/	105.925	Pass
				5251	5260	5259.865	-47.94	0.016	/	/	16.293	Pass
				5260	5266.7	5266.526	-47.80	0.017	/	/	2.611	Pass
			2	5142	5150	5149.488	-45.77	0.026	/	/	15	Pass
				5250	5251	5250.912	-47.08	0.020	/	/	122.462	Pass
				5251	5260	5259.46	-48.12	0.015	/	/	17.701	Pass
				5260	5266.7	5265.943	-47.33	0.018	/	/	3.068	Pass
		5200	1	5142	5150	5146.496	-46.45	0.023	/	/	15	Pass
				5250	5251	5250.987	-47.13	0.019	/	/	103.039	Pass
				5251	5260	5259.388	-47.31	0.019	/	/	17.964	Pass
				5260	5266.7	5265.434	-46.16	0.024	/	/	3.531	Pass
			2	5142	5150	5147.48	-46.94	0.020	/	/	15	Pass
				5250	5251	5250.984	-47.15	0.019	/	/	103.753	Pass
				5251	5260	5259.397	-47.22	0.019	/	/	17.931	Pass
				5260	5266.7	5266.358	-47.84	0.016	/	/	2.736	Pass
		5240	1	5142	5150	5149.032	-46.99	0.020	/	/	15	Pass

				5250	5251	5250.987	-10.08	98.175	/	/	103.039	Pass
				5251	5260	5251.162	-12.41	57.412	/	/	96.739	Pass
				5260	5266.7	5266.352	-46.27	0.024	/	/	2.74	Pass
				5142	5150	5148.84	-46.92	0.020	/	/	15	Pass
				5250	5251	5250.898	-8.51	140.929	-22.69	5.383	126.474	Pass
				5251	5260	5251.171	-10.98	79.799	/	/	96.561	Pass
				5260	5266.7	5264.04	-43.35	0.046	/	/	5.19	Pass
802.11n (HT40)	SISO	5190	1	5141.6	5150	5148.253	-45.59	0.028	/	/	15	Pass
				5250	5251	5250.976	-46.71	0.021	/	/	52.841	Pass
				5251	5270	5268.385	-48.19	0.015	/	/	9.268	Pass
				5270	5278.4	5277.98	-47.53	0.018	/	/	2.631	Pass
			2	5141.6	5150	5149.899	-43.09	0.049	/	/	15	Pass
				5250	5251	5250.986	-46.17	0.024	/	/	51.638	Pass
				5251	5270	5268.936	-48.17	0.015	/	/	8.786	Pass
				5270	5278.4	5278.022	-47.71	0.017	/	/	2.616	Pass
		5230	1	5141.6	5150	5148.16	-47.05	0.020	/	/	15	Pass
				5250	5251	5250.975	-16.34	23.227	/	/	52.963	Pass
				5251	5270	5251.114	-16.84	20.701	/	/	49.45	Pass
				5270	5278.4	5273.772	-44.34	0.037	/	/	4.706	Pass
			2	5141.6	5150	5146.27	-46.91	0.020	/	/	15	Pass
				5250	5251	5250.971	-15.12	30.761	/	/	53.453	Pass
				5251	5270	5251.057	-16.33	23.281	/	/	49.724	Pass
				5270	5278.4	5273.52	-40.68	0.086	/	/	4.873	Pass
802.11ac (VHT20)	SISO	5180	1	5142	5150	5147.44	-45.07	0.031	/	/	15	Pass
				5250	5251	5250.975	-47.11	0.019	/	/	105.925	Pass
				5251	5260	5259.568	-47.81	0.017	/	/	17.314	Pass
				5260	5266.7	5266.626	-48.98	0.013	/	/	2.54	Pass
			2	5142	5150	5149.248	-45.50	0.028	/	/	15	Pass
				5250	5251	5251	-46.48	0.022	/	/	100	Pass
				5251	5260	5259.721	-48.37	0.015	/	/	16.78	Pass
				5260	5266.7	5266.265	-47.24	0.019	/	/	2.807	Pass
		5200	1	5142	5150	5146.728	-46.12	0.024	/	/	15	Pass
				5250	5251	5250.902	-45.95	0.025	/	/	125.314	Pass
				5251	5260	5259.784	-47.84	0.016	/	/	16.565	Pass
				5260	5266.7	5266.479	-47.36	0.018	/	/	2.646	Pass
			2	5142	5150	5143.024	-46.16	0.024	/	/	15	Pass
				5250	5251	5250.994	-46.60	0.022	/	/	101.391	Pass
				5251	5260	5259.937	-48.66	0.014	/	/	16.055	Pass
				5260	5266.7	5266.7	-47.96	0.016	/	/	2.489	Pass
		5240	1	5142	5150	5143.288	-46.95	0.020	/	/	15	Pass
				5250	5251	5250.996	-10.39	91.411	/	/	100.925	Pass
				5251	5260	5251.279	-12.42	57.280	/	/	94.45	Pass
				5260	5266.7	5266.573	-45.73	0.027	/	/	2.578	Pass
			2	5142	5150	5145.304	-47.20	0.019	/	/	15	Pass
				5250	5251	5250.982	-9.23	119.399	-23.43	4.539	104.232	Pass
				5251	5260	5251.486	-12.15	60.954	/	/	90.532	Pass
				5260	5266.7	5265.447	-45.06	0.031	/	/	3.519	Pass
802.11ac (VHT40)	SISO	5190	1	5141.6	5150	5146.371	-45.67	0.027	/	/	15	Pass
				5250	5251	5250.925	-46.54	0.022	/	/	59.425	Pass
				5251	5270	5267.625	-47.02	0.020	/	/	9.976	Pass
				5270	5278.4	5278.324	-48.53	0.014	/	/	2.509	Pass
		2	5141.6	5150	5149.899	-44.13	0.039	/	/	15	Pass	
			5250	5251	5250.973	-46.30	0.023	/	/	53.207	Pass	
			5251	5270	5268.575	-48.01	0.016	/	/	9.099	Pass	
			5270	5278.4	5277.661	-47.72	0.017	/	/	2.75	Pass	
		5230	1	5141.6	5150	5145.439	-47.21	0.019	/	/	15	Pass

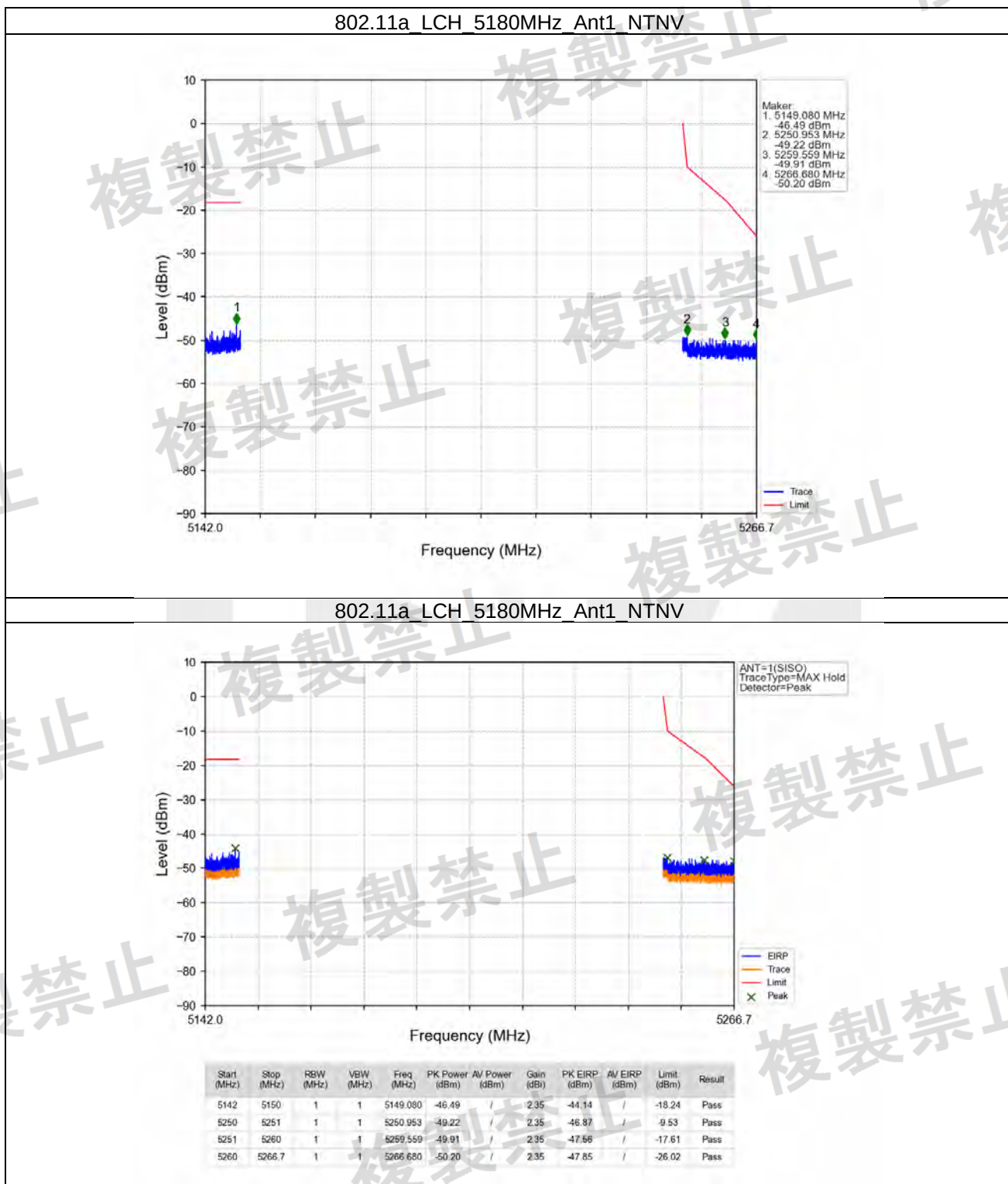
				5250	5251	5251	-16.79	20.941	/	/	50	Pass
				5251	5270	5251.076	-17.72	16.904	/	/	49.633	Pass
				5270	5278.4	5278.039	-46.70	0.021	/	/	2.61	Pass
				5141.6	5150	5146.951	-46.94	0.020	/	/	15	Pass
				5250	5251	5250.987	-15.55	27.861	/	/	51.519	Pass
				5251	5270	5251	-16.77	21.038	/	/	50	Pass
				5270	5278.4	5273.889	-41.66	0.068	/	/	4.631	Pass
				5123.2	5150	5149.276	-41.55	0.070	/	/	15	Pass
				5250	5251	5250.996	-19.21	11.995	/	/	25.231	Pass
				5251	5290	5251.741	-20.79	8.337	/	/	24.14	Pass
802.11ac (VHT80)	SISO	5210	1	5290	5296.7	5293.993	-45.76	0.027	/	/	3.007	Pass
				5123.2	5150	5130.088	-38.81	0.132	/	/	15	Pass
				5250	5251	5250.955	-17.78	16.672	/	/	27.729	Pass
				5251	5290	5252.17	-19.27	11.830	/	/	23.656	Pass
			2	5290	5296.7	5293.183	-44.39	0.036	/	/	3.18	Pass

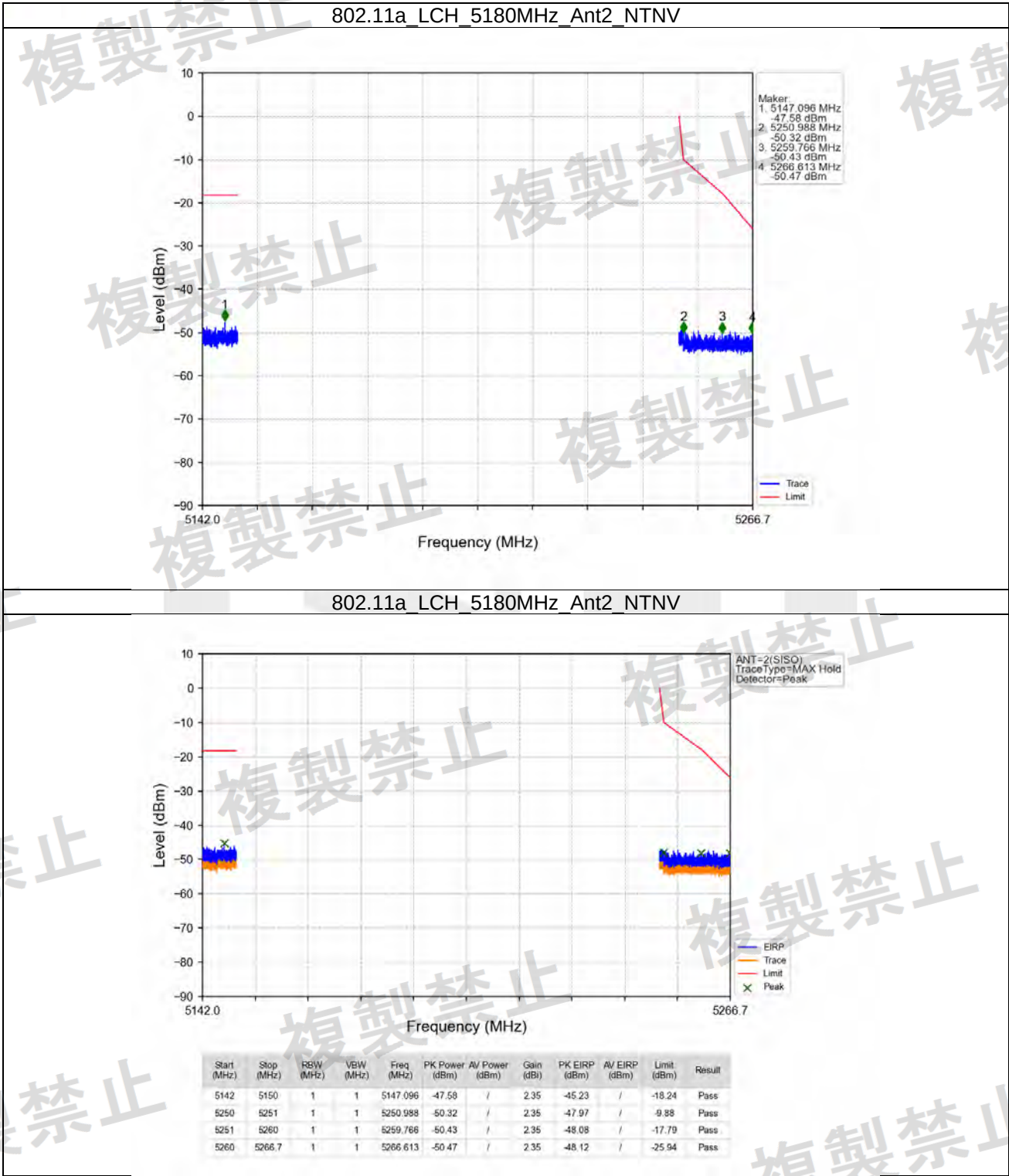
5.1.2 OOB_NTNV(MIMO)

NTNV											
Mode	TX Type	Freq. (MHz)	ANT	Marker						Limit (uW)	Verdict
				PK EIRP (dBm)	PK EIRP (uW)	AV EIRP (dBm /MHz)	AV EIRP (uW /MHz)	MIMO PK EIRP (uW)	MIMO AV EIRP (uW)		
802.11ac (VHT20)	MIMO	5250.996	1	-10.39	91.411	/	/	210.810	4.539	104.232	Pass
		5250.982	2	-9.23	119.399	-23.43	4.539				Pass
Note: All the configurations were pre tested, only the worst configuration has been reported in this report.											

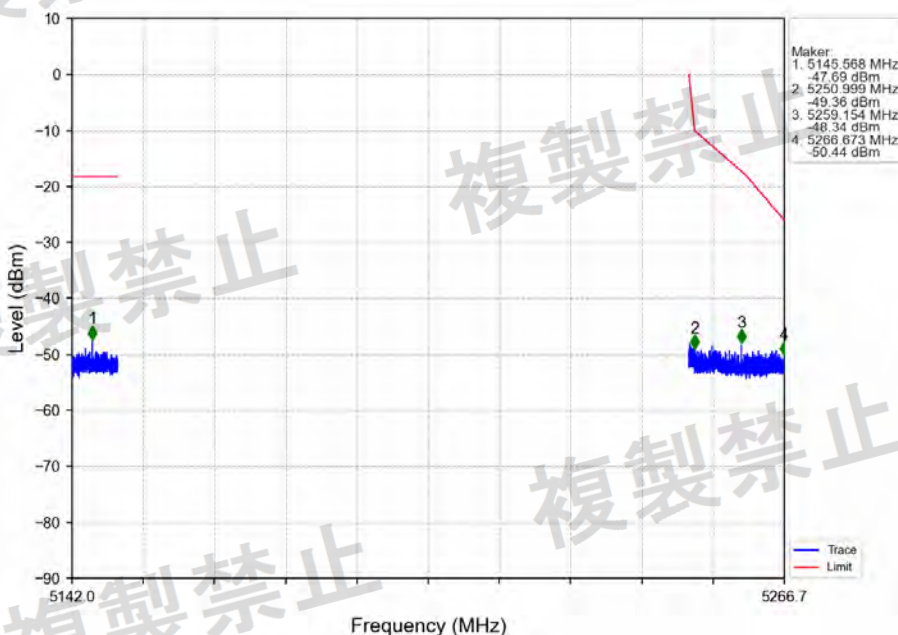
5.2 Test Graph

5.2.1 OOB_NTNV_SISO

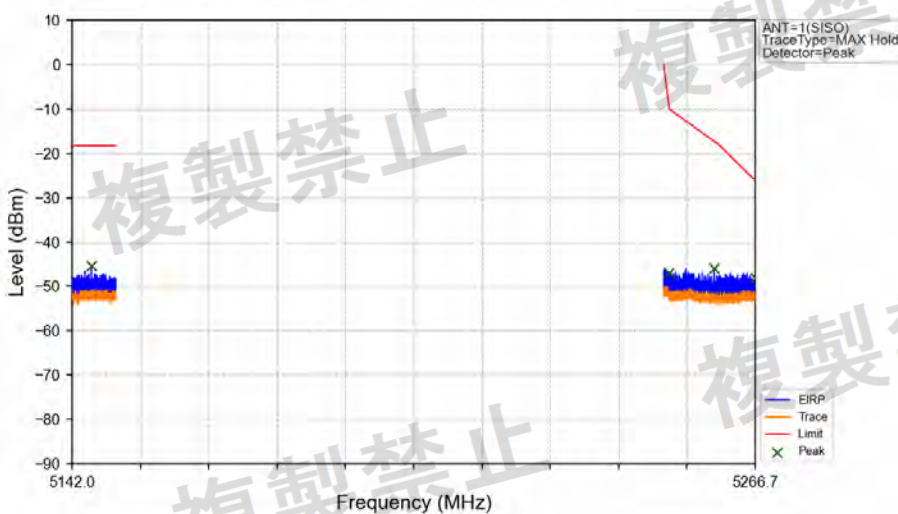




802.11a_MCH_5200MHz_Ant1_NTNV

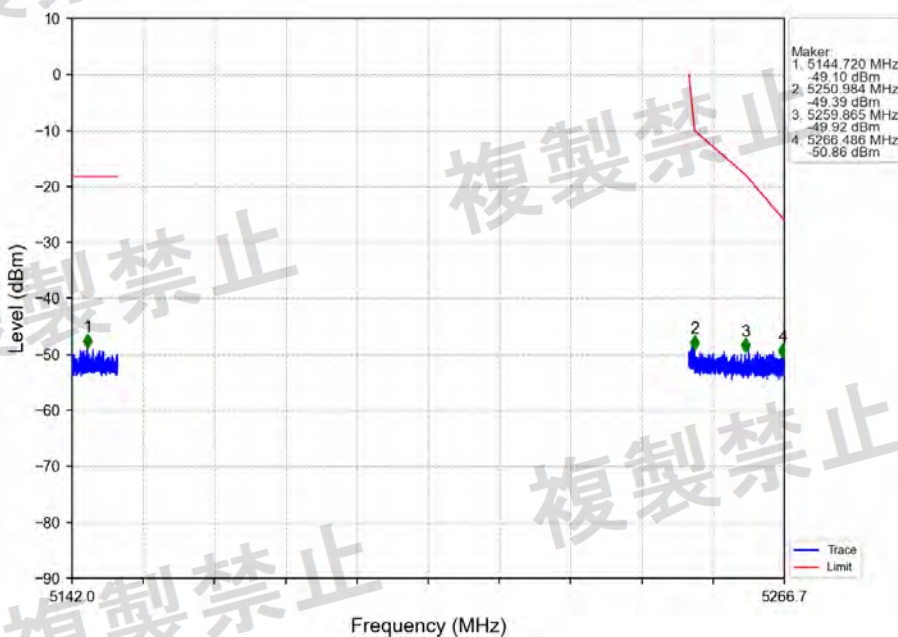


802.11a_MCH_5200MHz_Ant1_NTNV

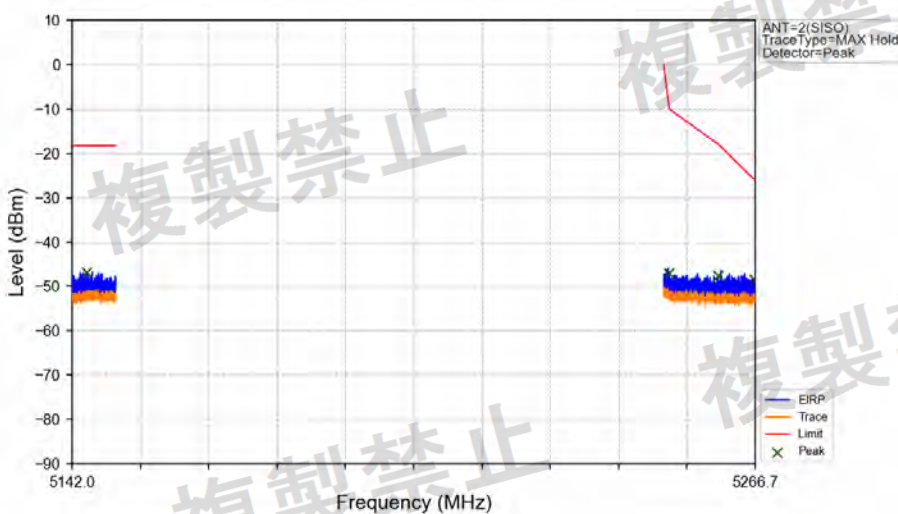


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5145.568	-47.69	/	2.35	-45.34	/	-18.24	Pass
5250	5251	1	1	5250.999	-49.36	/	2.35	-47.01	/	-9.99	Pass
5251	5260	1	1	5259.154	-48.34	/	2.35	-45.99	/	-17.25	Pass
5260	5266.7	1	1	5266.673	-50.44	/	2.35	-48.09	/	-26.01	Pass

802.11a_MCH_5200MHz_Ant2_NTNV

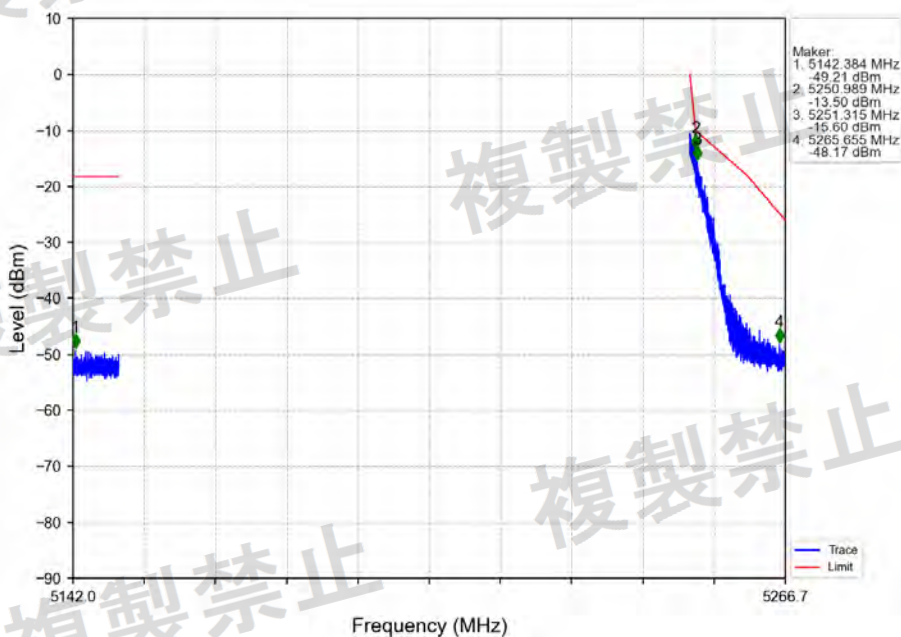


802.11a_MCH_5200MHz_Ant2_NTNV

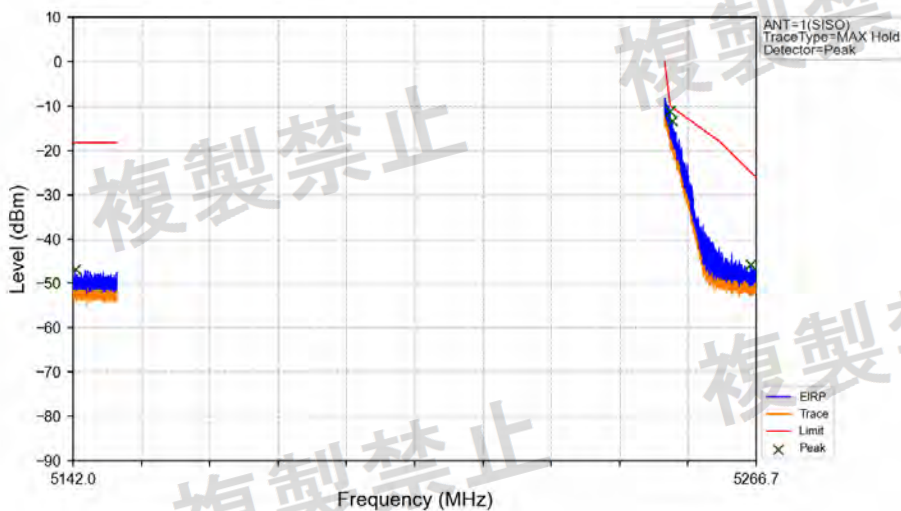


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5144.720	-49.10	/	2.35	-46.75	/	-18.24	Pass
5250	5251	1	1	5250.984	-49.39	/	2.35	-47.04	/	-9.84	Pass
5251	5260	1	1	5259.865	-49.92	/	2.35	-47.57	/	-17.88	Pass
5260	5266.7	1	1	5266.486	-50.86	/	2.35	-48.51	/	-25.78	Pass

802.11a_HCH_5240MHz_Ant1_NTNV

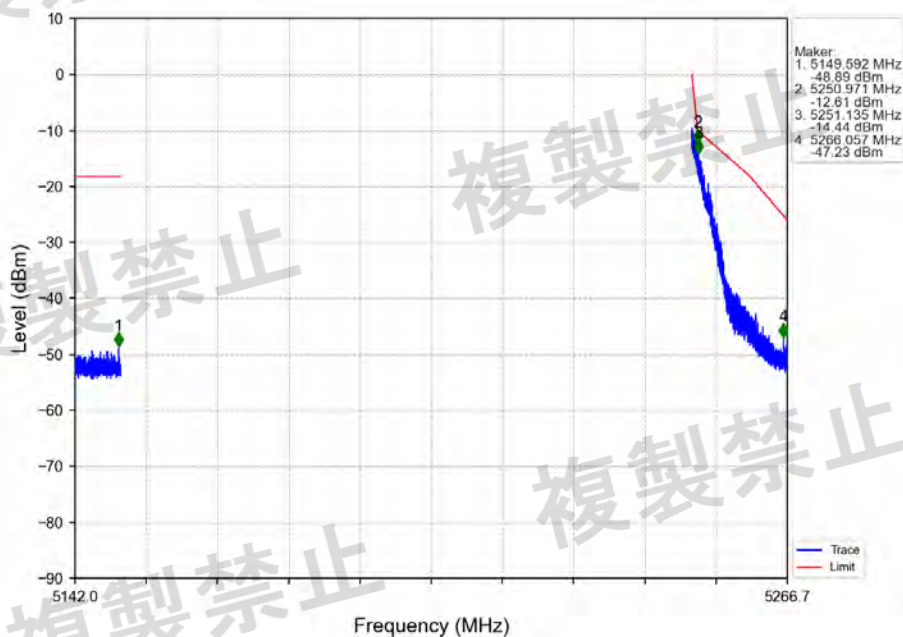


802.11a_HCH_5240MHz_Ant1_NTNV

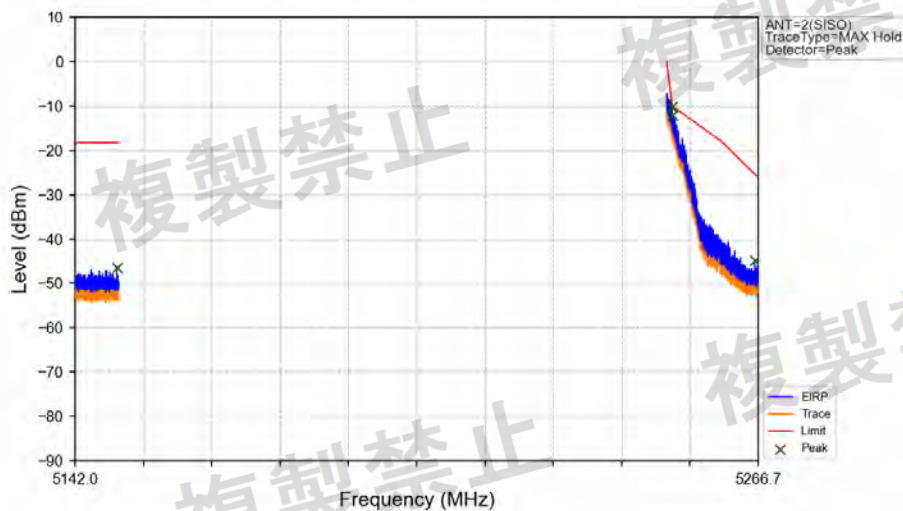


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5142.384	-49.21	/	2.35	-46.86	/	-18.24	Pass
5250	5251	1	1	5250.989	-13.50	/	2.35	-11.15	/	-9.89	Pass
5251	5260	1	1	5251.315	-15.60	/	2.35	-13.25	/	-10.28	Pass
5260	5266.7	1	1	5265.655	-48.17	/	2.35	-45.82	/	-24.79	Pass

802.11a_HCH_5240MHz_Ant2_NTNV

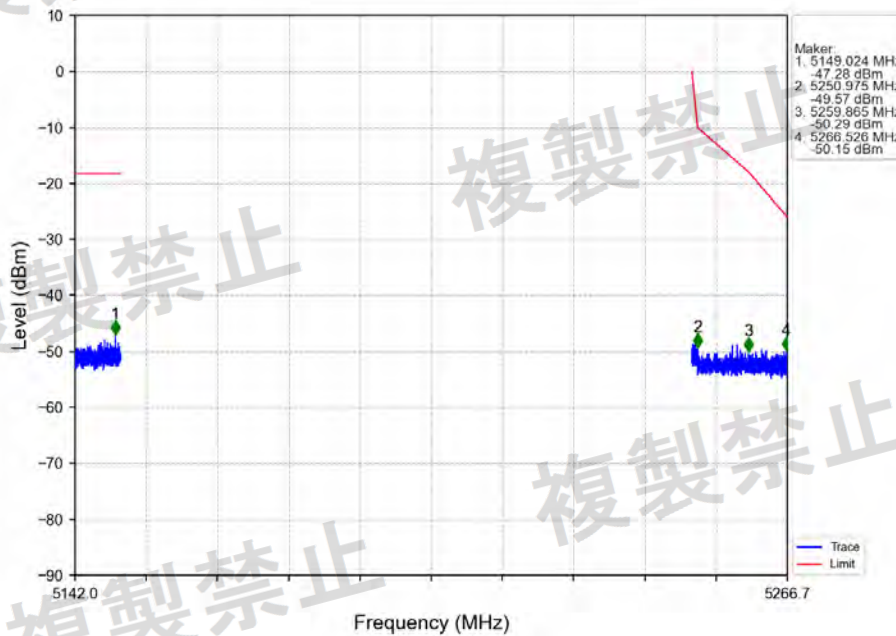


802.11a_HCH_5240MHz_Ant2_NTNV

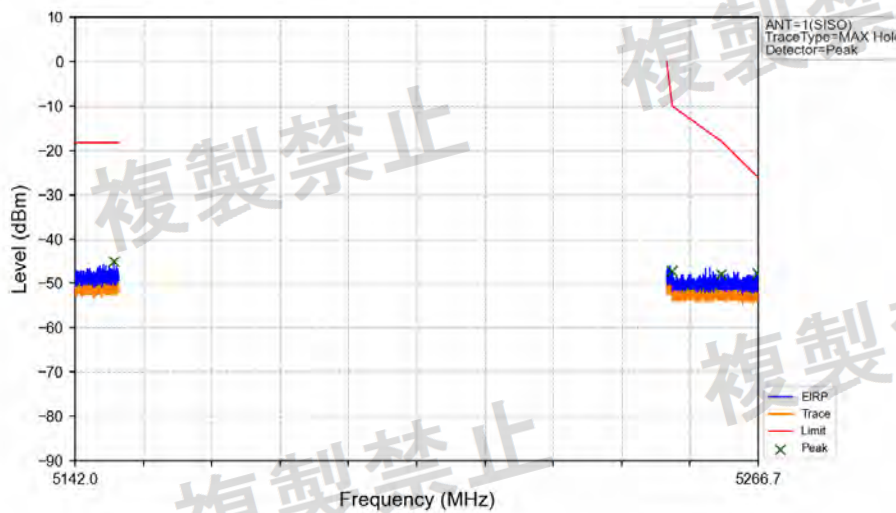


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.592	-48.89	/	2.35	-46.54	/	-18.24	Pass
5250	5251	1	1	5250.971	-12.61	/	2.35	-10.26	/	-9.71	Pass
5251	5260	1	1	5251.135	-14.44	/	2.35	-12.09	/	-10.12	Pass
5260	5266.7	1	1	5266.057	-47.23	/	2.35	-44.88	/	-25.27	Pass

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

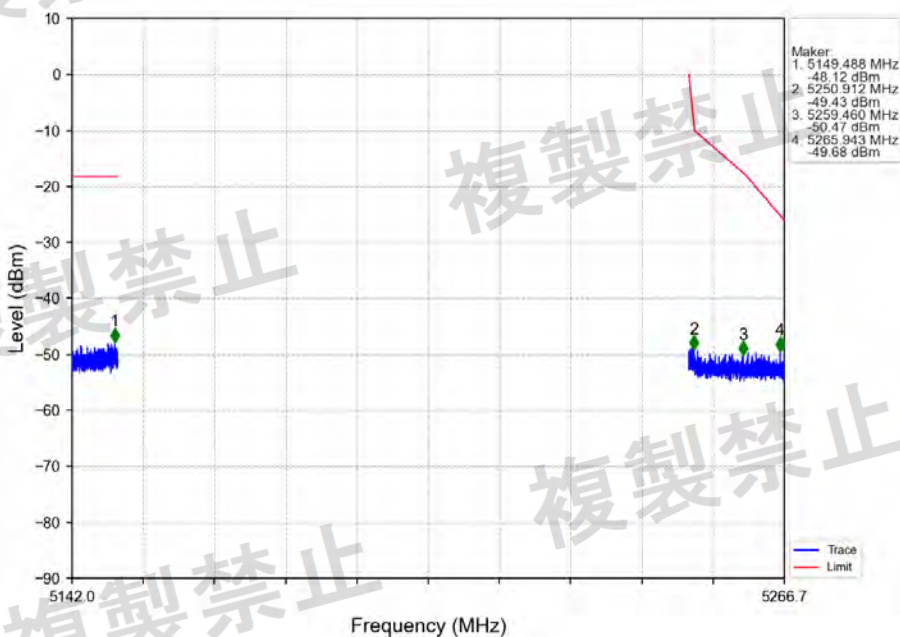


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

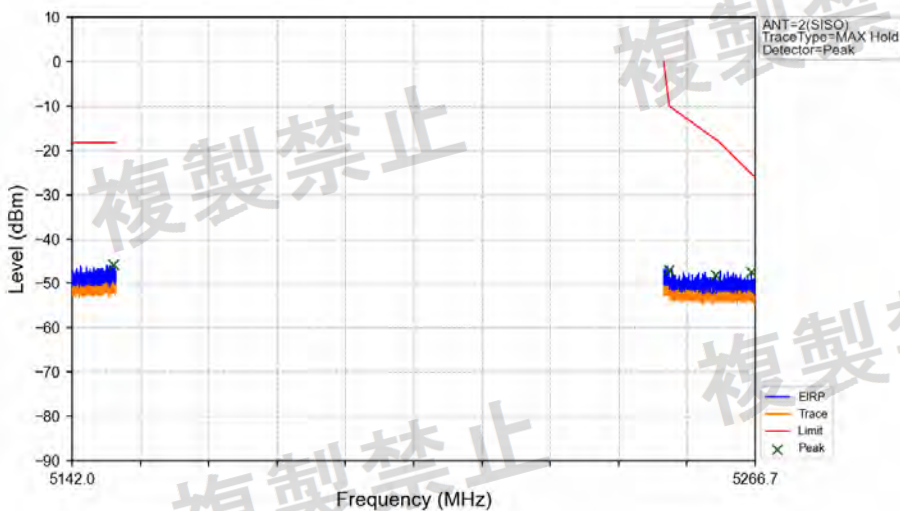


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.024	-47.28	/	2.35	-44.93	/	-18.24	Pass
5250	5251	1	1	5250.975	-49.57	/	2.35	-47.22	/	-9.75	Pass
5251	5260	1	1	5259.865	-50.29	/	2.35	-47.94	/	-17.88	Pass
5260	5266.7	1	1	5266.526	-50.15	/	2.35	-47.80	/	-25.83	Pass

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

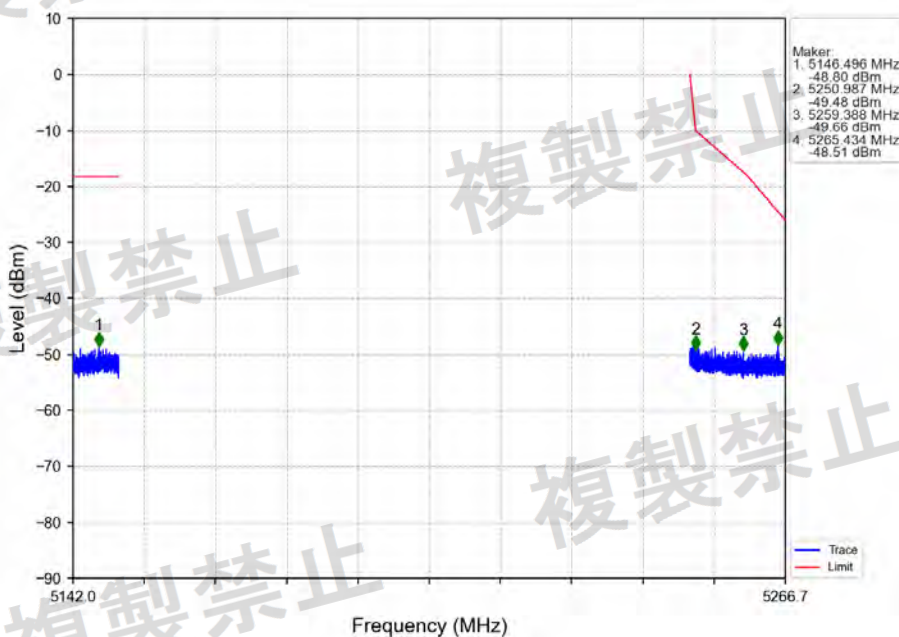


802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

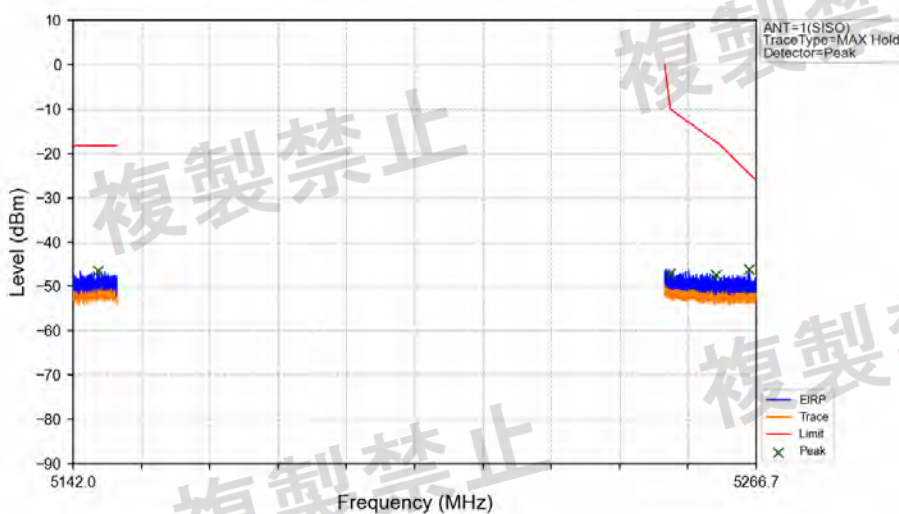


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.488	-48.12	/	2.35	-45.77	/	-18.24	Pass
5250	5251	1	1	5250.912	-49.43	/	2.35	-47.08	/	-9.12	Pass
5251	5260	1	1	5259.460	-50.47	/	2.35	-48.12	/	-17.52	Pass
5260	5266.7	1	1	5265.943	-49.68	/	2.35	-47.33	/	-25.13	Pass

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

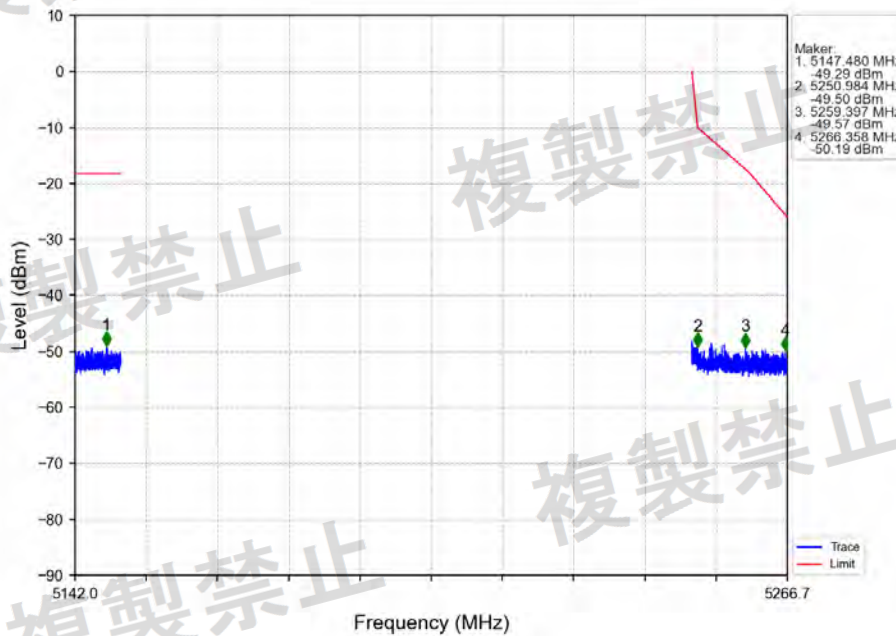


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

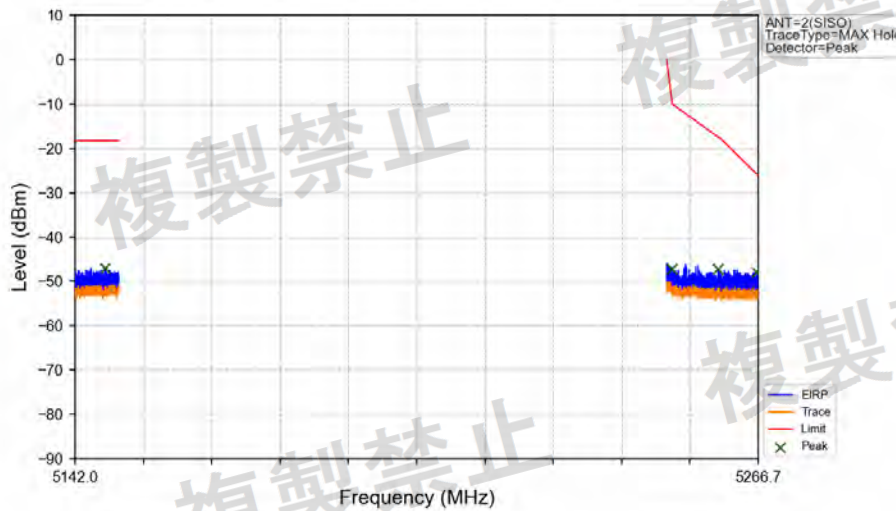


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5146.496	-48.80	/	2.35	-46.45	/	-18.24	Pass
5250	5251	1	1	5250.987	-49.48	/	2.35	-47.13	/	-9.87	Pass
5251	5260	1	1	5259.388	-49.66	/	2.35	-47.31	/	-17.48	Pass
5260	5266.7	1	1	5265.434	-48.51	/	2.35	-46.16	/	-24.52	Pass

802.11n(HT20) MCH 5200MHz Ant2_NTNV

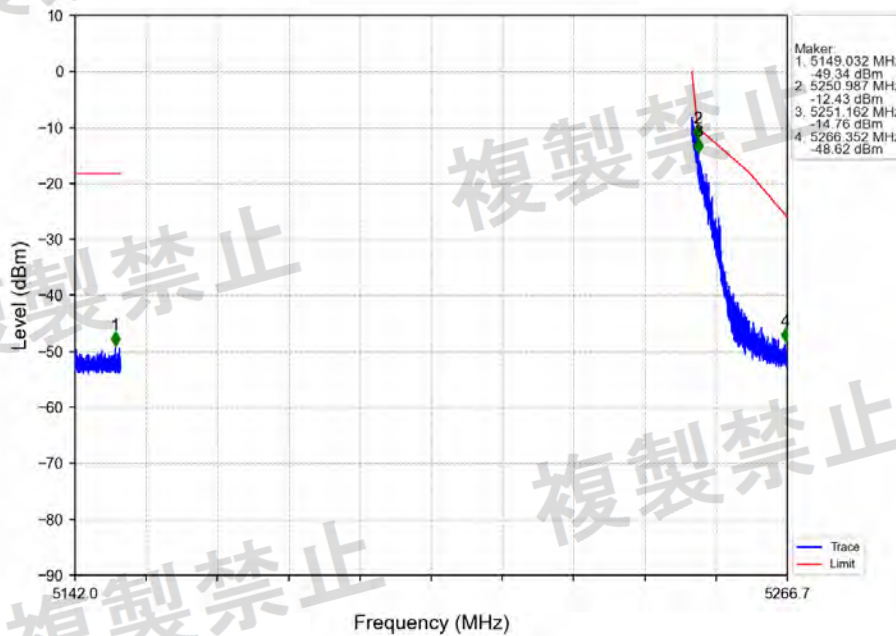


802.11n(HT20) MCH 5200MHz Ant2_NTNV

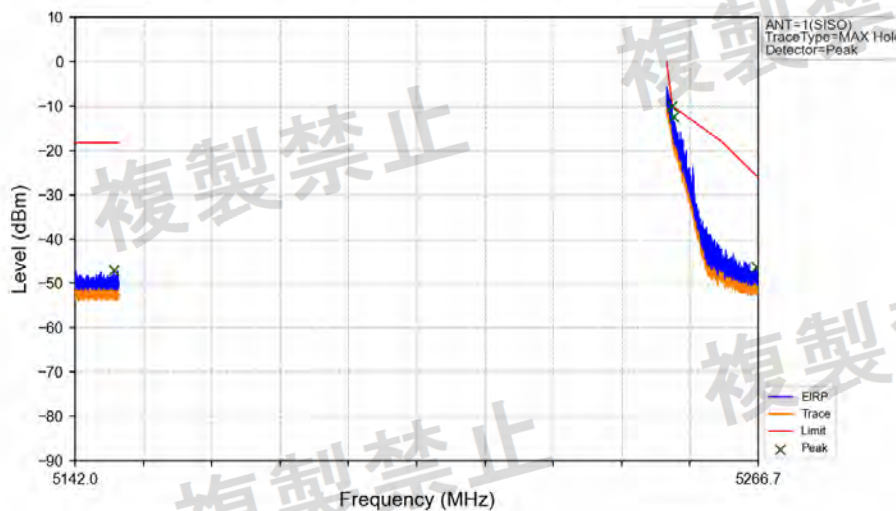


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.480	-49.29	/	2.35	-46.94	/	-18.24	Pass
5250	5251	1	1	5250.984	-49.50	/	2.35	-47.15	/	-9.84	Pass
5251	5260	1	1	5259.397	-49.57	/	2.35	-47.22	/	-17.46	Pass
5260	5266.7	1	1	5266.358	-50.19	/	2.35	-47.84	/	-25.63	Pass

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

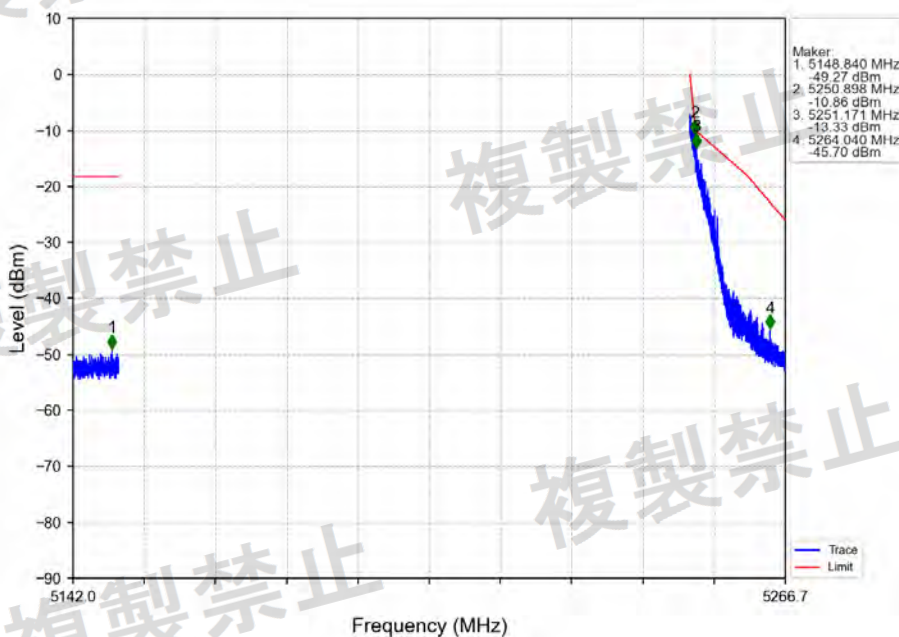


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

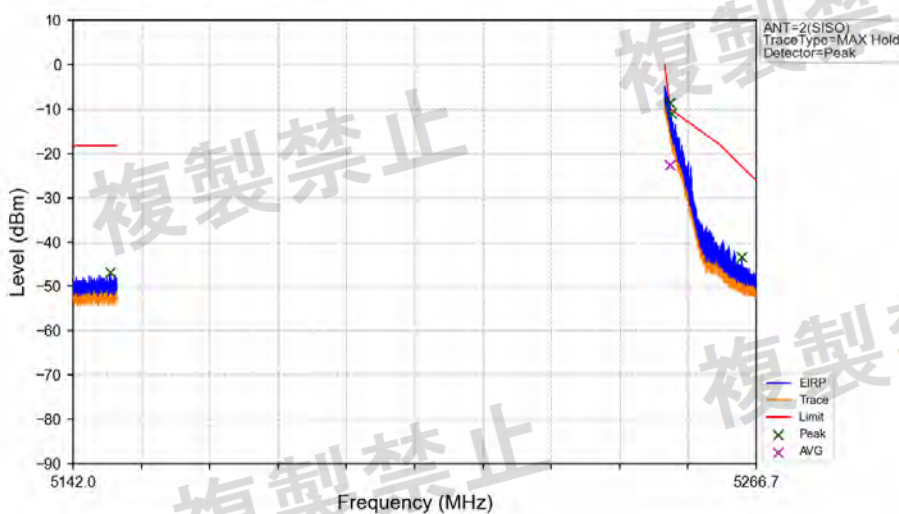


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.032	-49.34	/	2.35	-46.99	/	-18.24	Pass
5250	5251	1	1	5250.987	-12.43	/	2.35	-10.08	/	-9.87	Pass
5251	5260	1	1	5251.162	-14.76	/	2.35	-12.41	/	-10.14	Pass
5260	5266.7	1	1	5266.352	-48.62	/	2.35	-46.27	/	-25.62	Pass

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

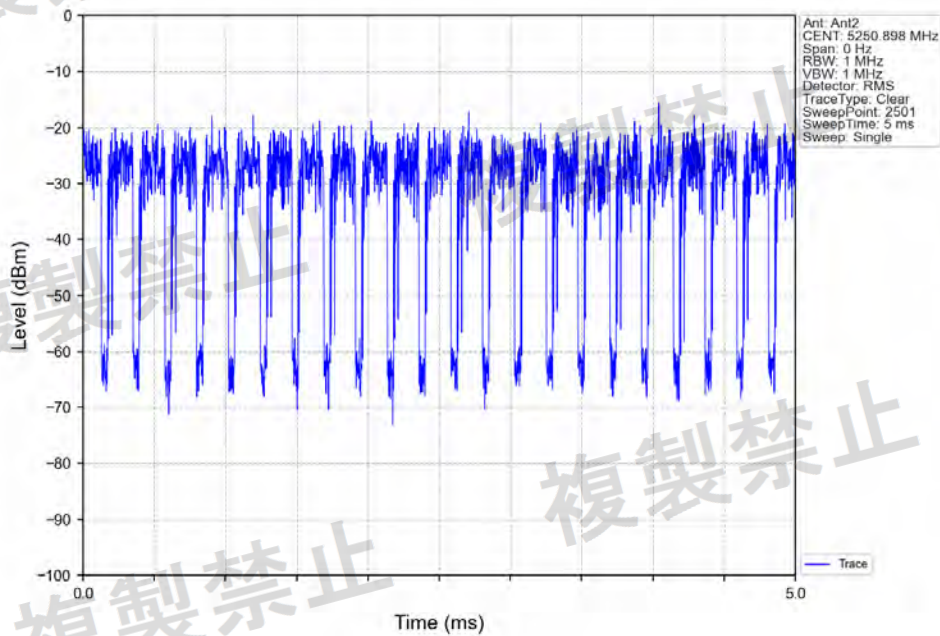


802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

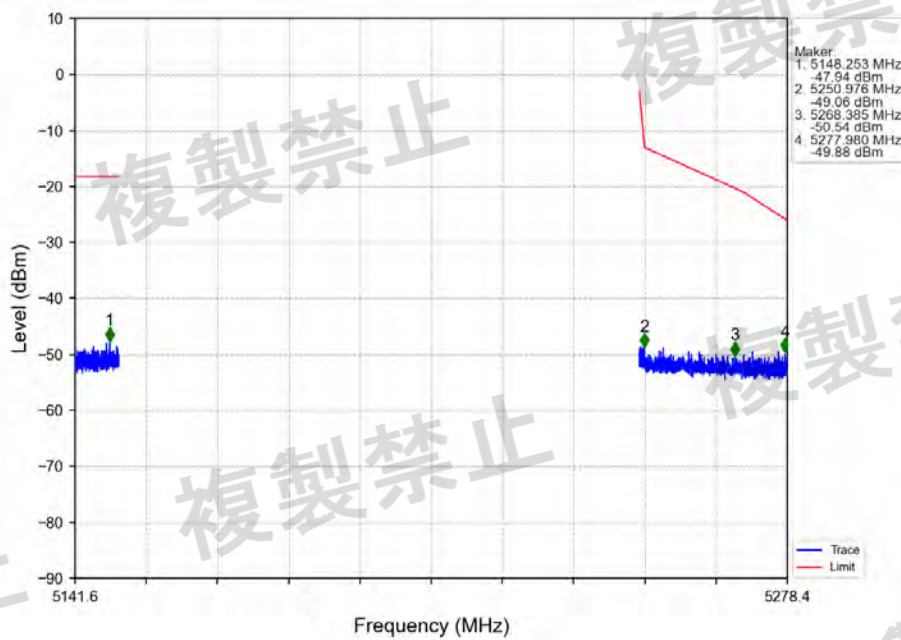


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.840	-49.27	/	2.35	-46.92	/	-18.24	Pass
5250	5251	1	1	5250.898	-10.86	25.04	2.35	-8.51	22.69	-8.98	Pass
5251	5260	1	1	5251.171	-13.33	/	2.35	-10.98	/	-10.15	Pass
5260	5266.7	1	1	5264.040	-45.70	/	2.35	-43.35	/	-22.85	Pass

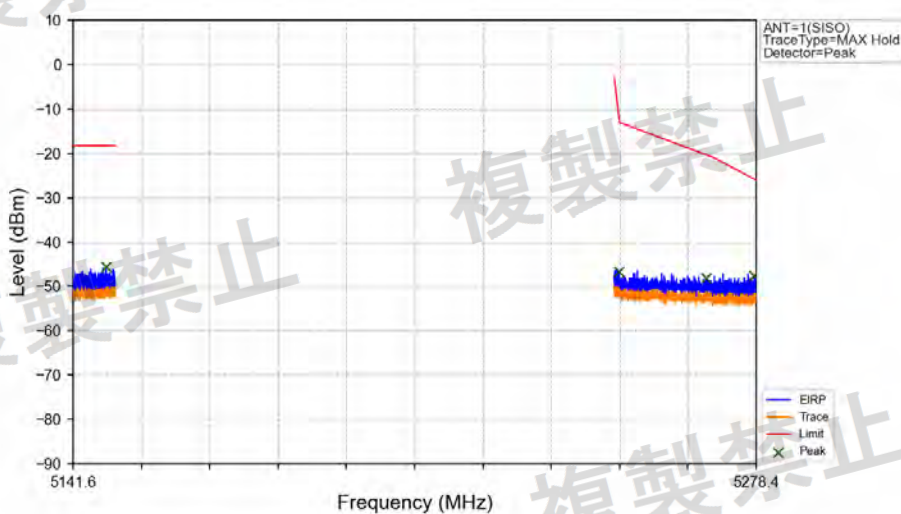
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

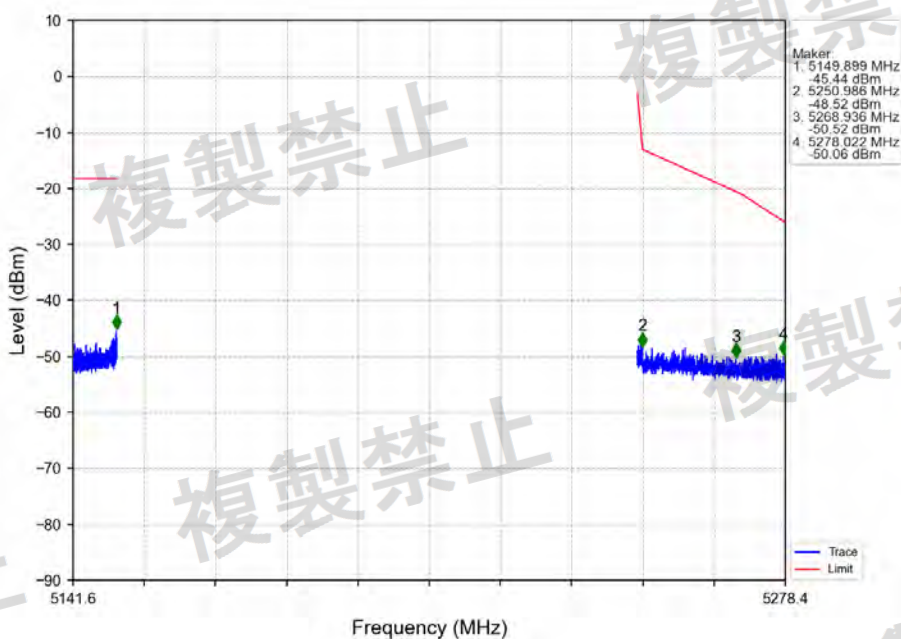


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

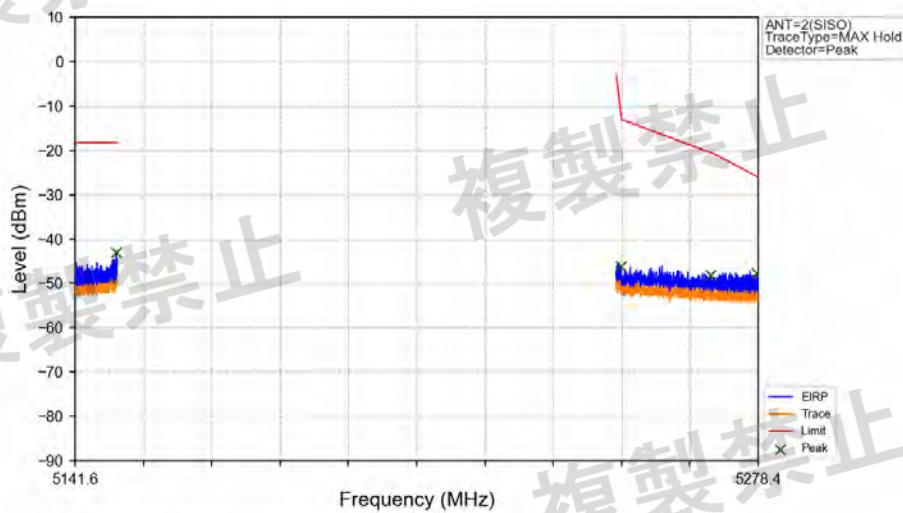


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.889	-47.94	/	2.35	-45.59	/	-18.24	Pass
5250	5251	1	1	5250.986	-49.06	/	2.35	-46.71	/	-12.77	Pass
5251	5270	1	1	5268.936	-50.54	/	2.35	-48.19	/	-20.33	Pass
5270	5278.4	1	1	5278.022	-49.88	/	2.35	-47.53	/	-25.8	Pass

802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

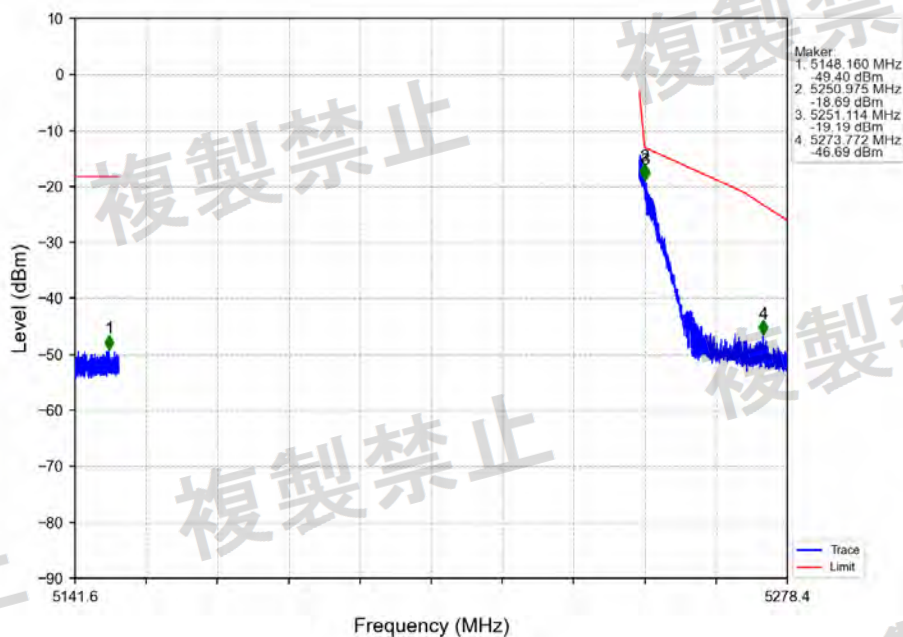


802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

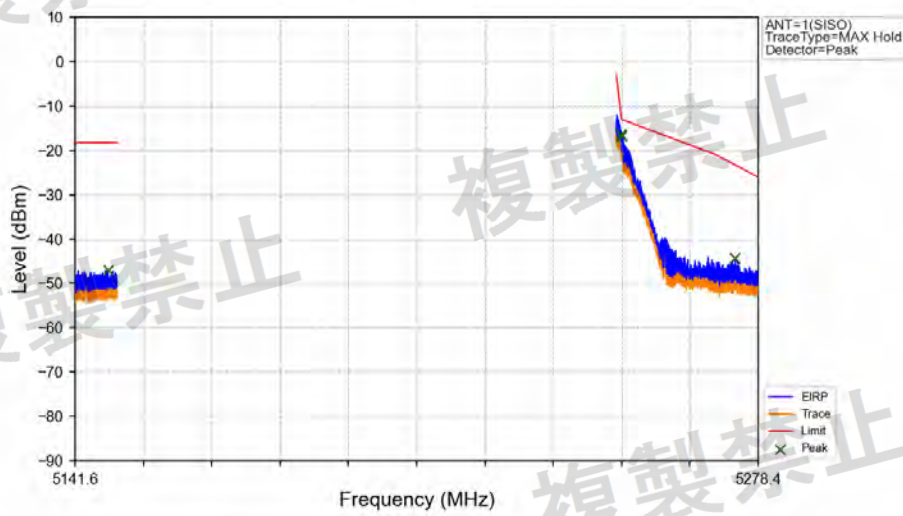


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.899	-45.44	/	2.35	-43.09	/	-18.24	Pass
5250	5251	1	1	5250.986	-48.52	/	2.35	-46.17	/	-12.87	Pass
5251	5270	1	1	5268.936	-50.52	/	2.35	-48.17	/	-20.56	Pass
5270	5278.4	1	1	5278.022	-50.06	/	2.35	-47.71	/	-25.82	Pass

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

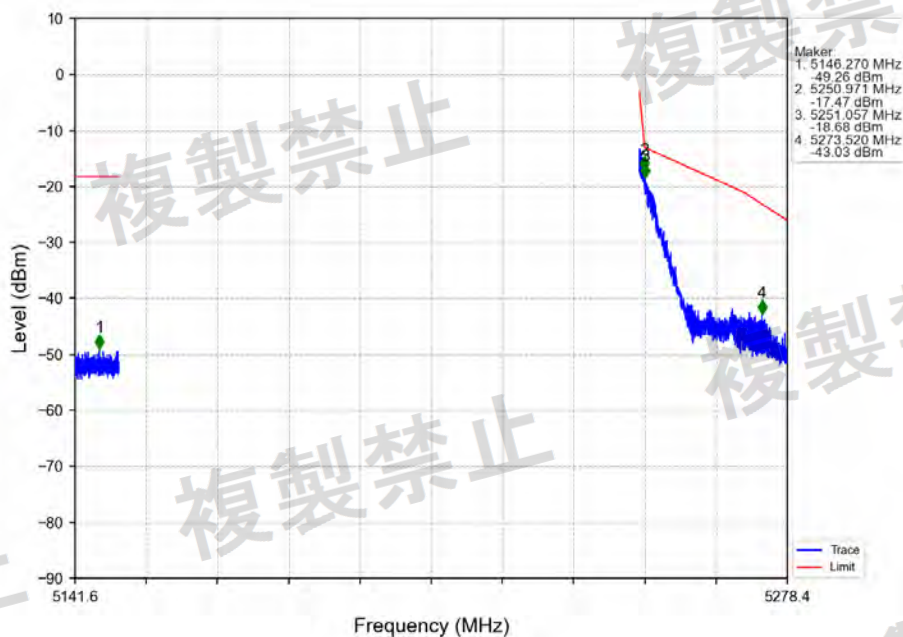


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

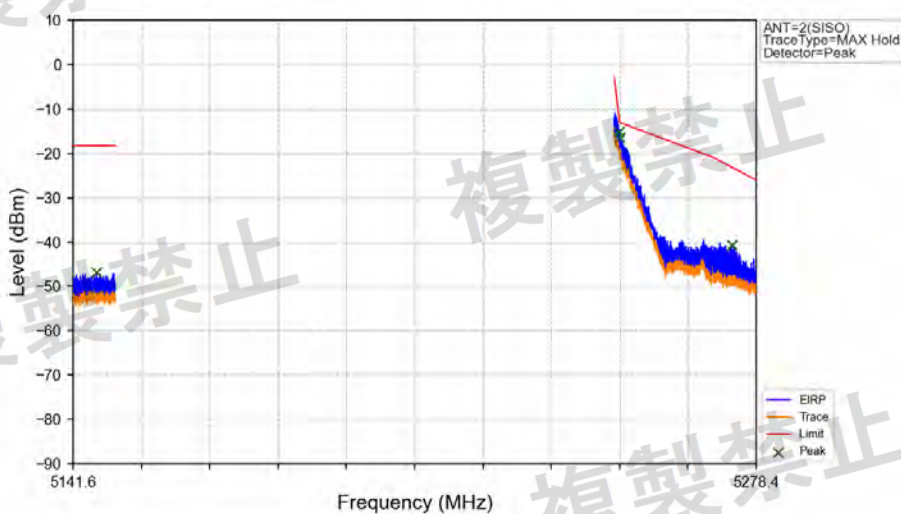


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5148.160	-49.40	/	2.35	-47.05	/	-18.24	Pass
5250	5251	1	1	5250.975	-18.69	/	2.35	-16.34	/	-12.76	Pass
5251	5270	1	1	5251.114	-19.19	/	2.35	-16.84	/	-13.06	Pass
5270	5278.4	1	1	5273.772	-46.69	/	2.35	-44.34	/	-23.27	Pass

802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

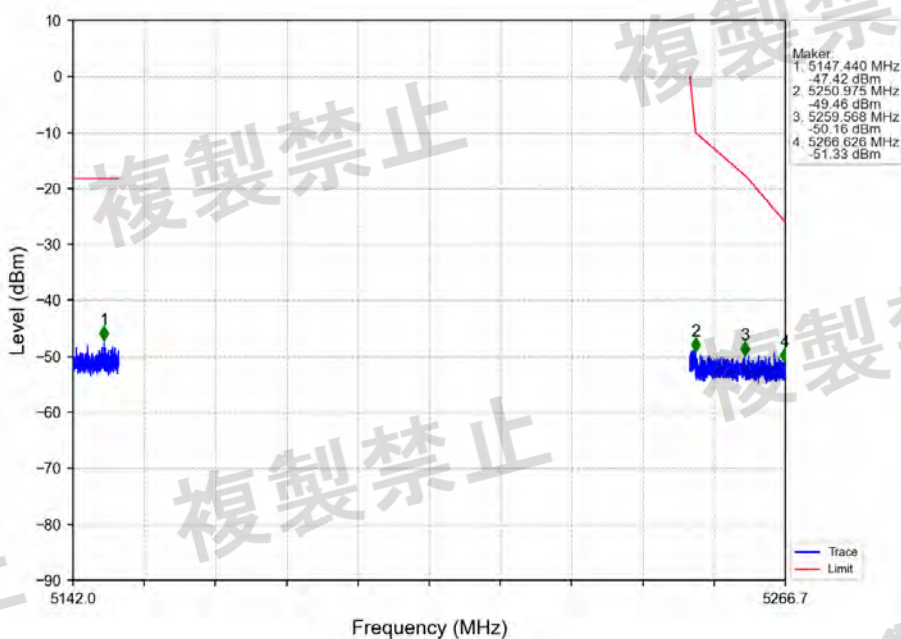


802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

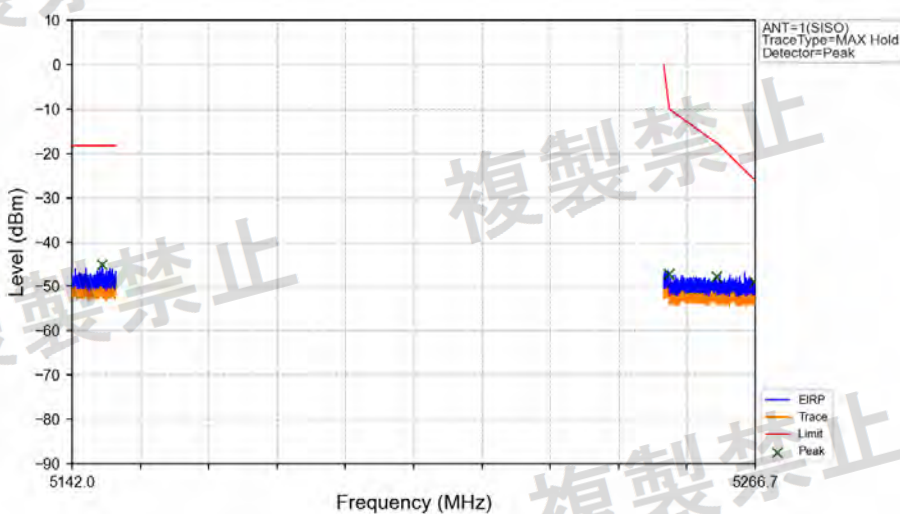


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.270	-49.26	/	2.35	-46.91	/	-18.24	Pass
5250	5251	1	1	5250.971	-17.47	/	2.35	-15.12	/	-12.72	Pass
5251	5270	1	1	5251.057	-18.68	/	2.35	-16.33	/	-13.03	Pass
5270	5278.4	1	1	5273.520	-43.03	/	2.35	-40.68	/	-23.12	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

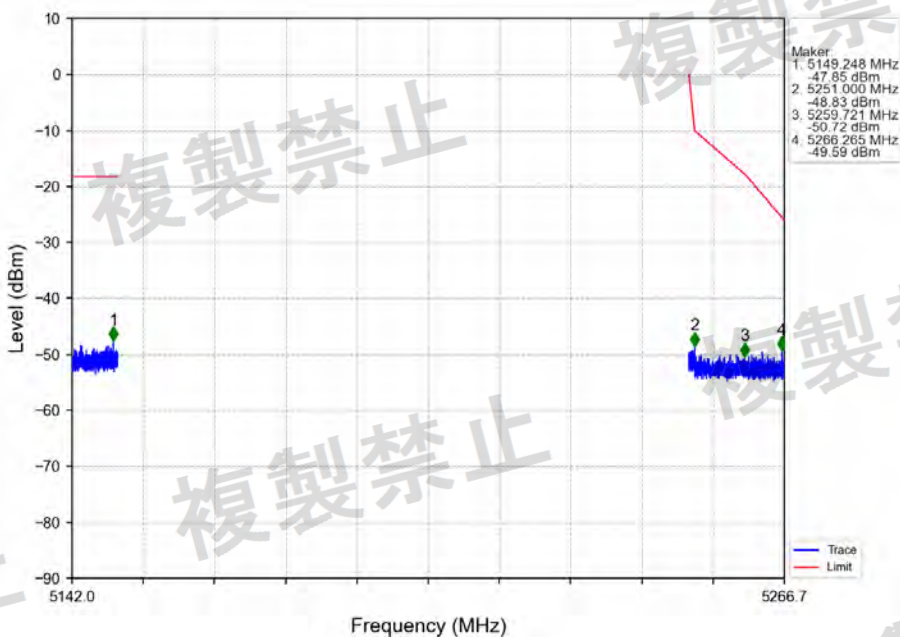


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

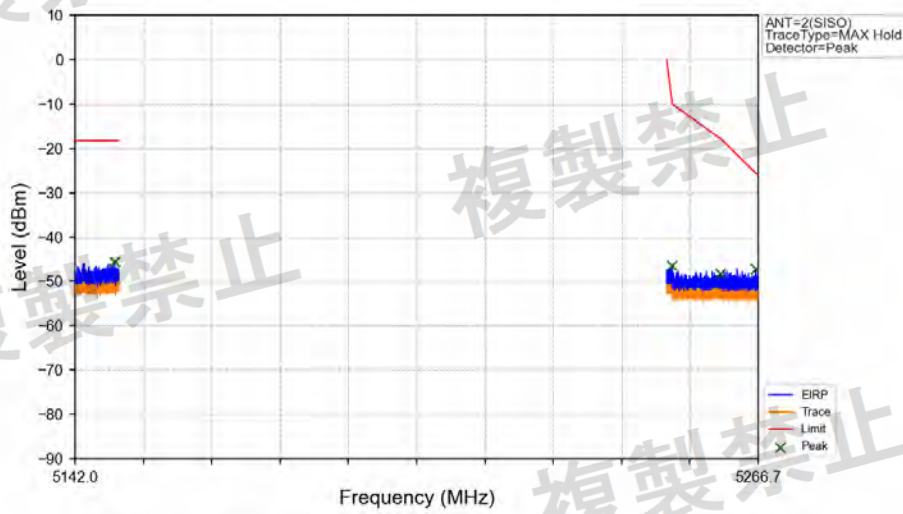


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.440	-47.42	/	2.35	-45.07	/	-18.24	Pass
5250	5251	1	1	5250.975	-49.46	/	2.35	-47.11	/	-9.75	Pass
5251	5260	1	1	5259.568	-50.16	/	2.35	-47.81	/	-17.62	Pass
5260	5266.7	1	1	5266.626	-51.33	/	2.35	-48.98	/	-25.95	Pass

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

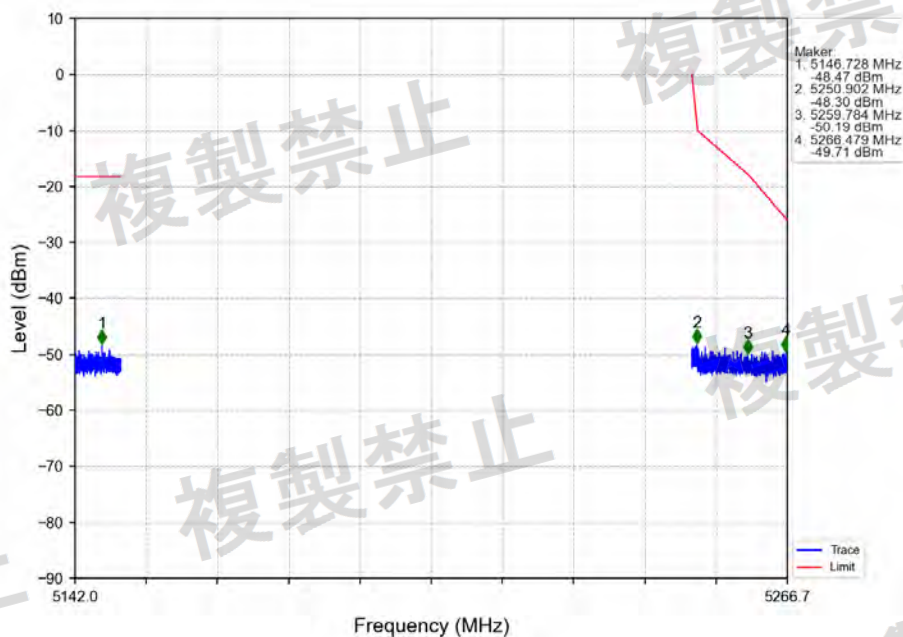


802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

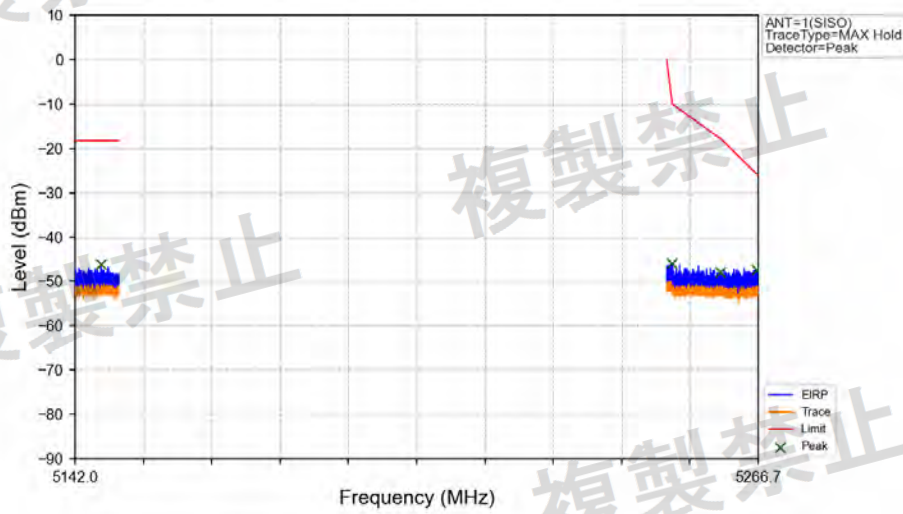


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5149.248	-47.85	/	2.35	-45.50	/	-18.24	Pass
5250	5251	1	1	5251.000	-48.83	/	2.35	-46.48	/	-10	Pass
5251	5260	1	1	5259.721	-50.72	/	2.35	-48.37	/	-17.75	Pass
5260	5266.7	1	1	5266.265	-49.59	/	2.35	-47.24	/	-25.52	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

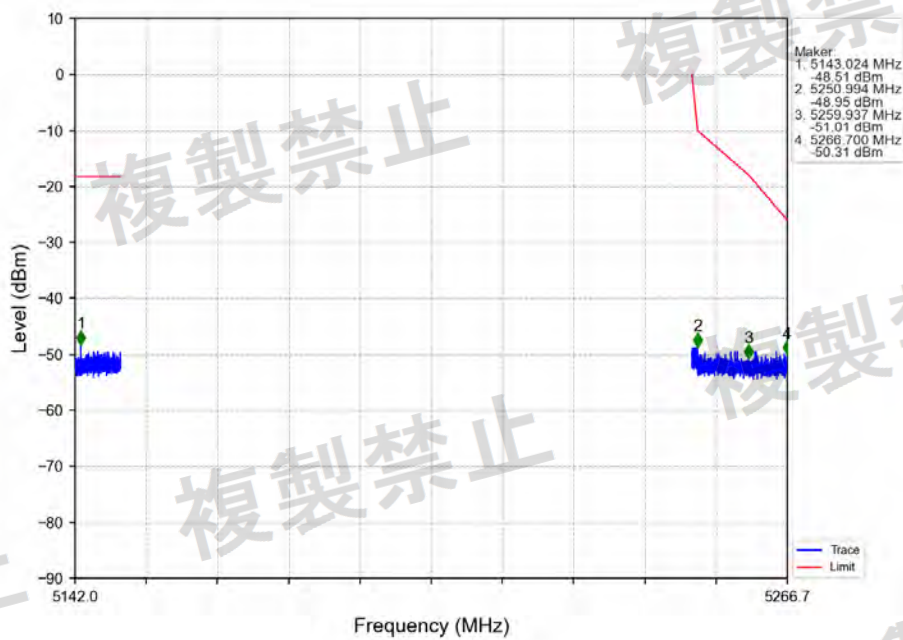


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

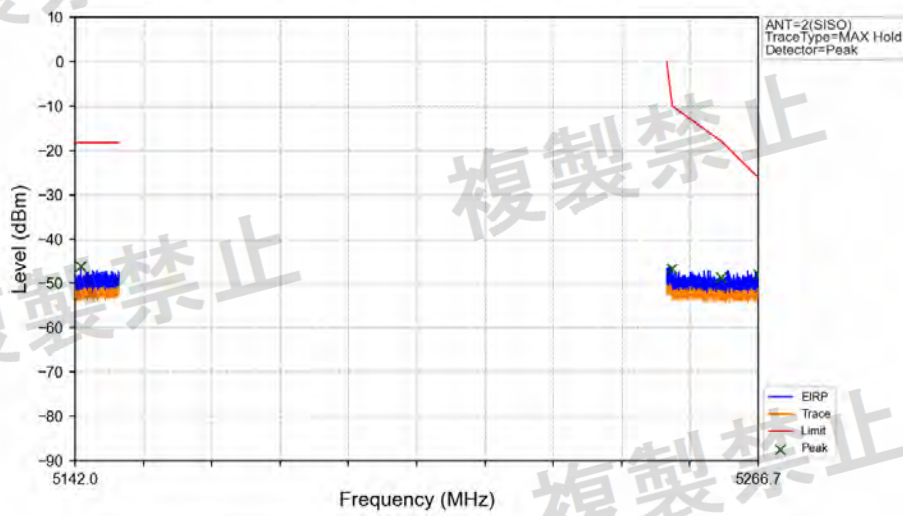


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5146.728	-48.47	/	2.35	-46.12	/	-18.24	Pass
5250	5251	1	1	5250.902	-48.30	/	2.35	-45.95	/	-9.02	Pass
5251	5260	1	1	5259.784	-50.19	/	2.35	-47.84	/	-17.81	Pass
5260	5266.7	1	1	5266.479	-49.71	/	2.35	-47.36	/	-25.77	Pass

802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

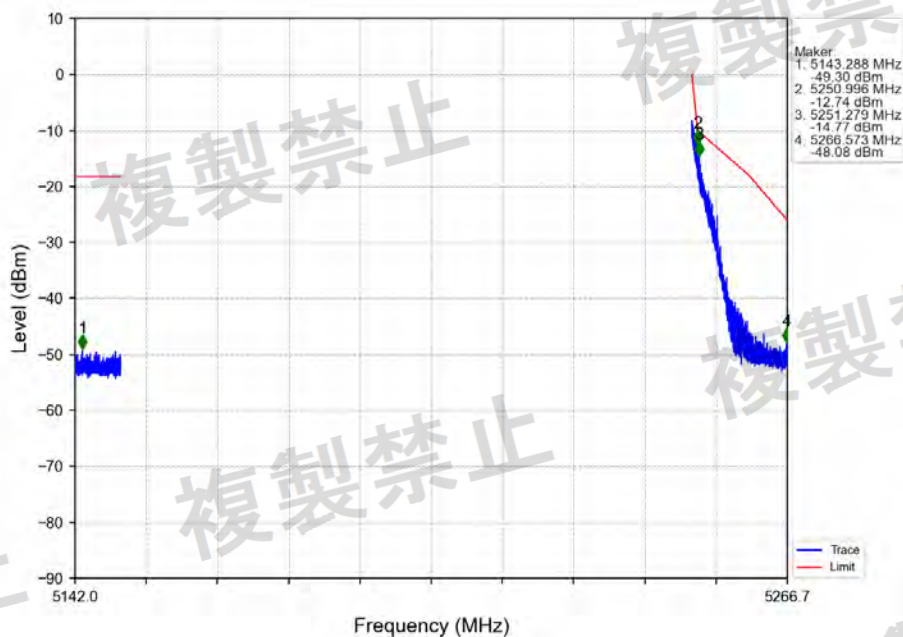


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

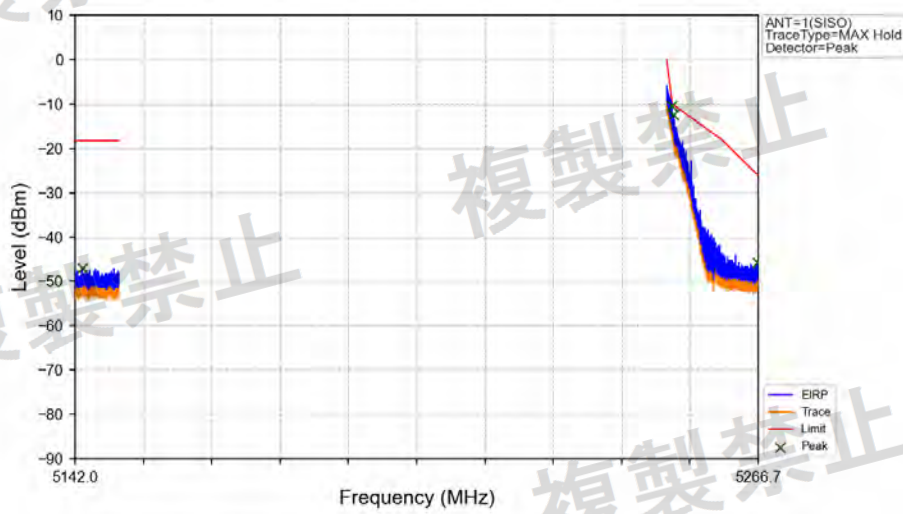


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.024	-48.51	/	2.35	-46.16	/	-18.24	Pass
5250	5251	1	1	5250.994	-48.95	/	2.35	-46.60	/	-9.94	Pass
5251	5260	1	1	5259.937	-51.01	/	2.35	-48.66	/	-17.94	Pass
5260	5266.7	1	1	5266.700	-50.31	/	2.35	-47.96	/	-26.04	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

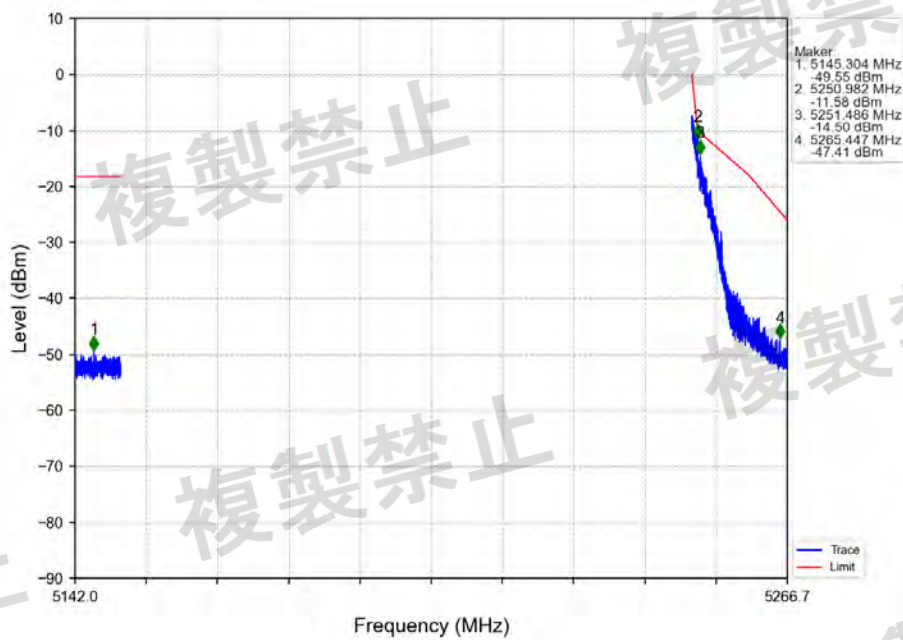


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

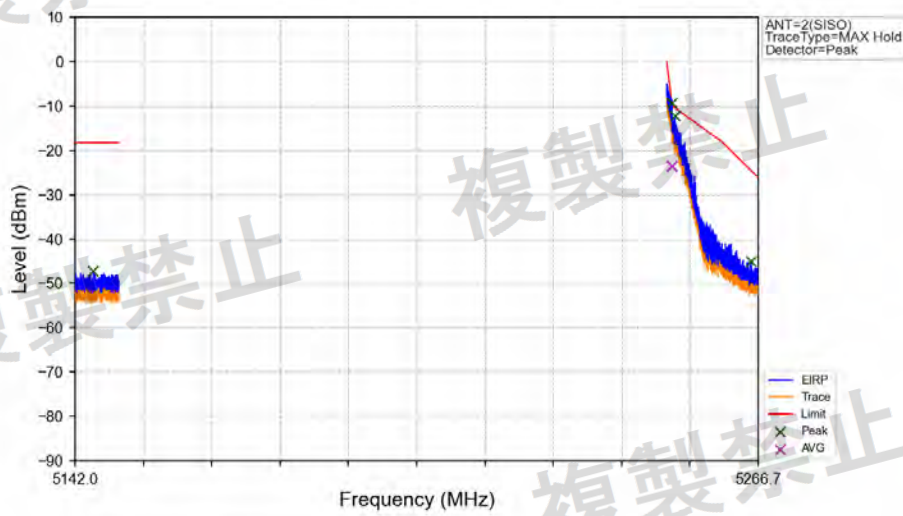


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5143.288	-49.30	/	2.35	-46.95	/	-18.24	Pass
5250	5251	1	1	5250.998	-12.74	/	2.35	-10.39	/	-9.96	Pass
5251	5260	1	1	5251.279	-14.77	/	2.35	-12.42	/	-10.25	Pass
5260	5266.7	1	1	5266.573	-48.08	/	2.35	-45.73	/	-25.89	Pass

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

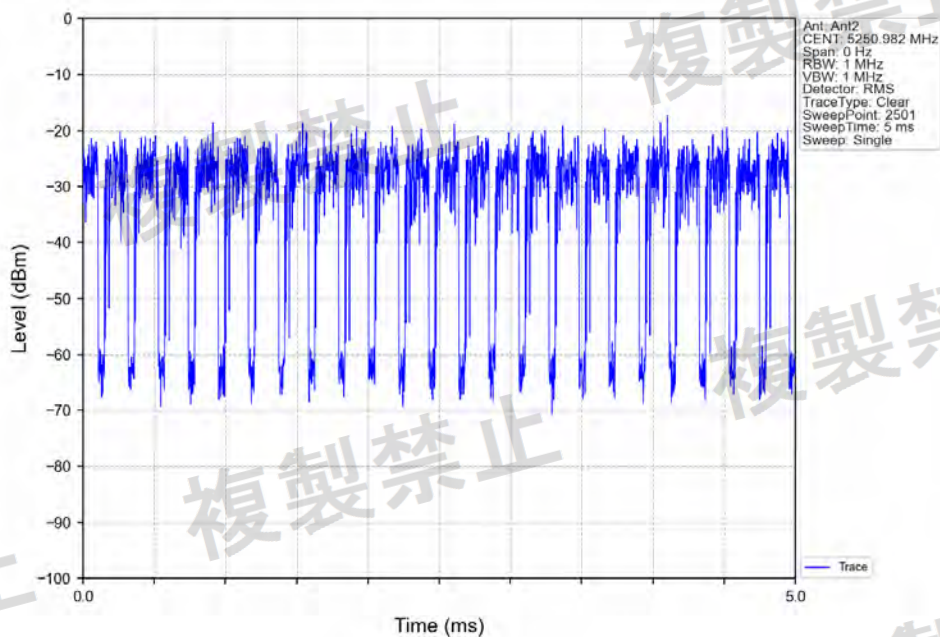


802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

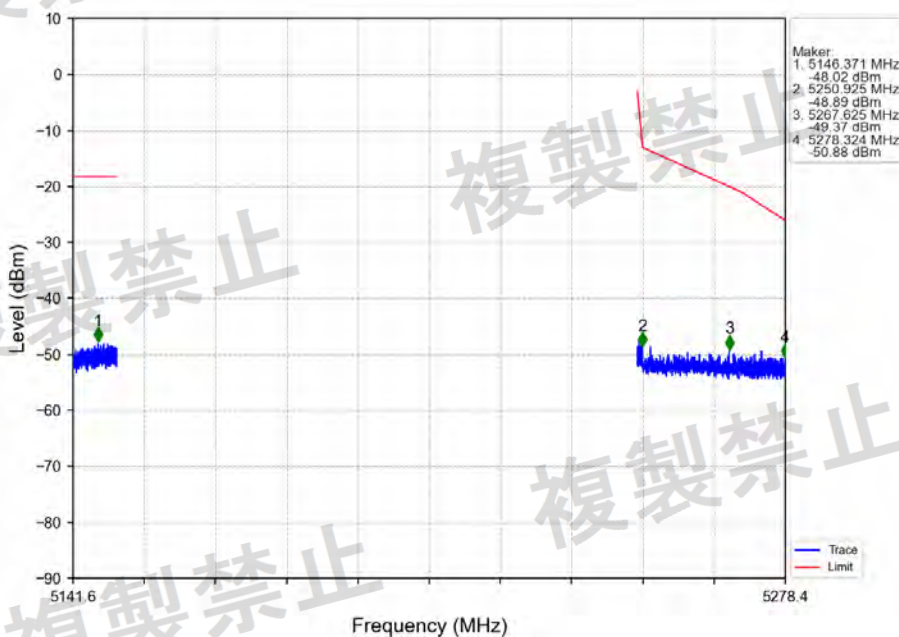


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dB)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5145.304	-49.55	/	2.35	-47.20	/	-18.24	Pass
5250	5251	1	1	5250.982	-11.58	-25.78	2.35	-9.23	-23.43	-9.82	Pass
5251	5260	1	1	5251.486	-14.50	/	2.35	-12.15	/	-10.43	Pass
5260	5266.7	1	1	5265.447	-47.41	/	2.35	-45.06	/	-24.54	Pass

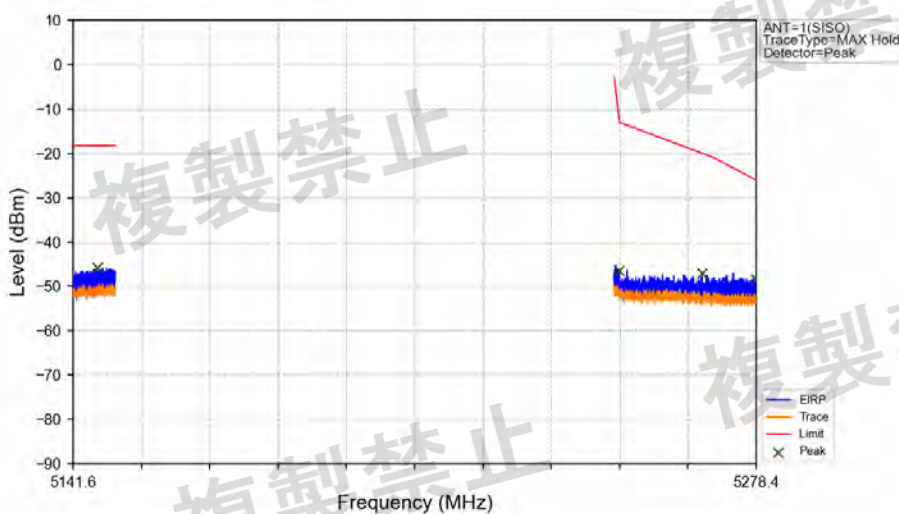
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

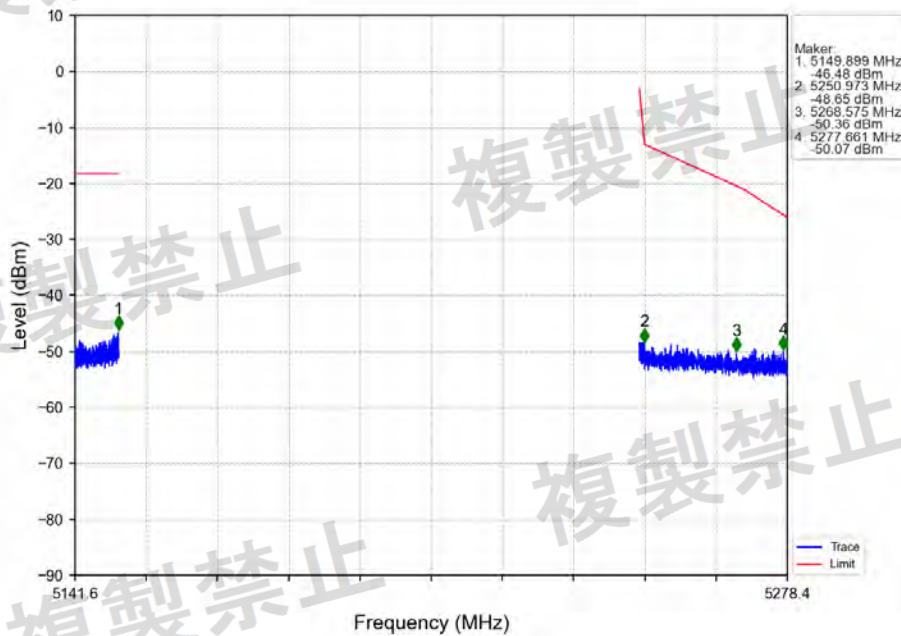


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

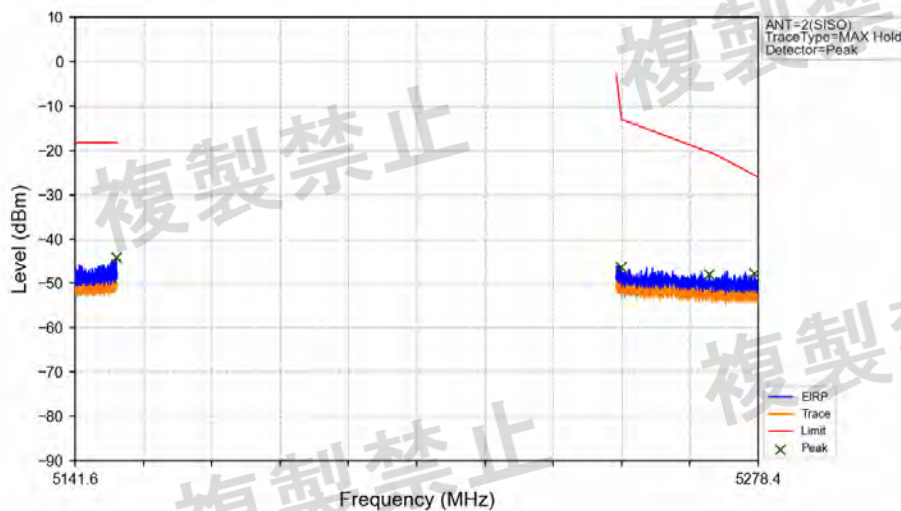


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.371	-48.02	/	2.35	-45.67	/	-18.24	Pass
5250	5251	1	1	5250.925	-48.89	/	2.35	-46.54	/	-12.26	Pass
5251	5270	1	1	5267.625	-49.37	/	2.35	-47.02	/	-20.01	Pass
5270	5278.4	1	1	5278.324	-50.88	/	2.35	-48.53	/	-26	Pass

802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

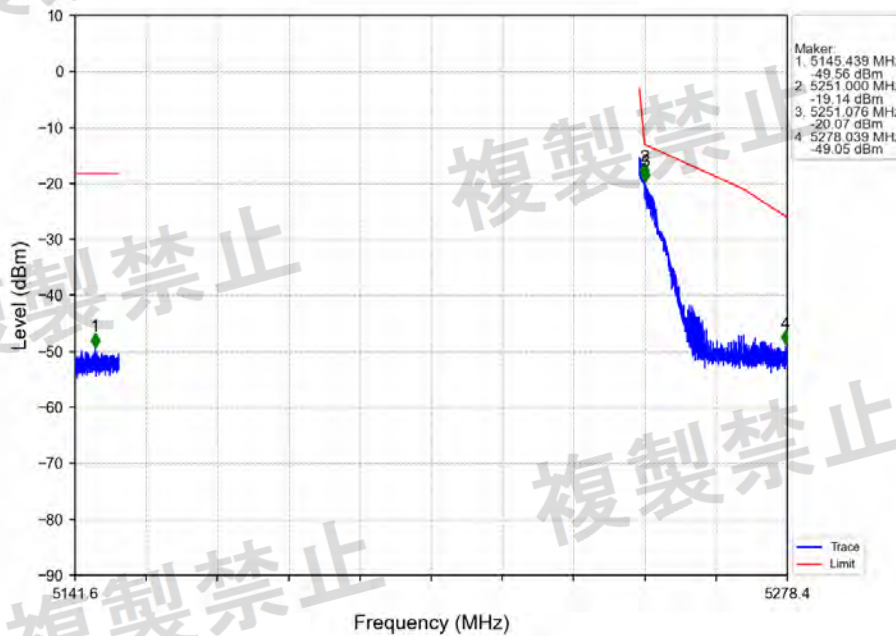


802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

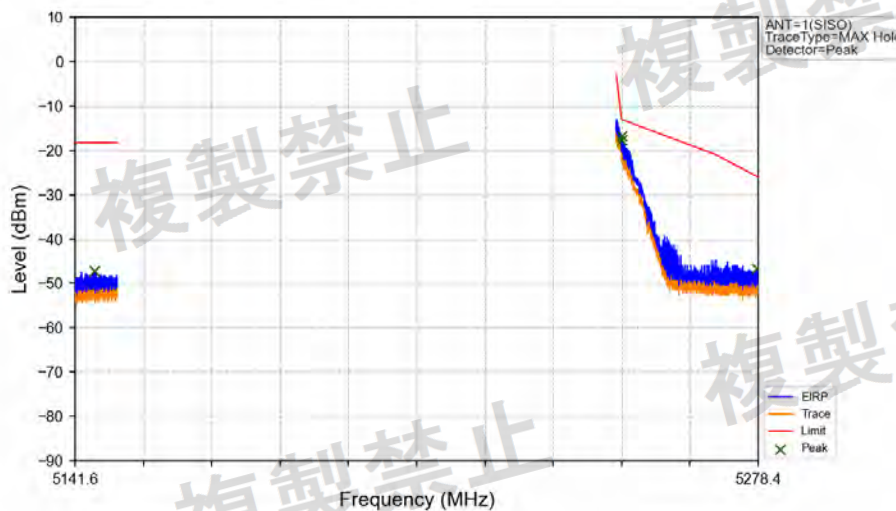


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.899	-46.48	/	2.35	-44.13	/	-18.24	Pass
5250	5251	1	1	5250.973	-48.65	/	2.35	-46.30	/	-12.74	Pass
5251	5270	1	1	5268.575	-50.36	/	2.35	-48.01	/	-20.41	Pass
5270	5278.4	1	1	5277.661	-50.07	/	2.35	-47.72	/	-25.61	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

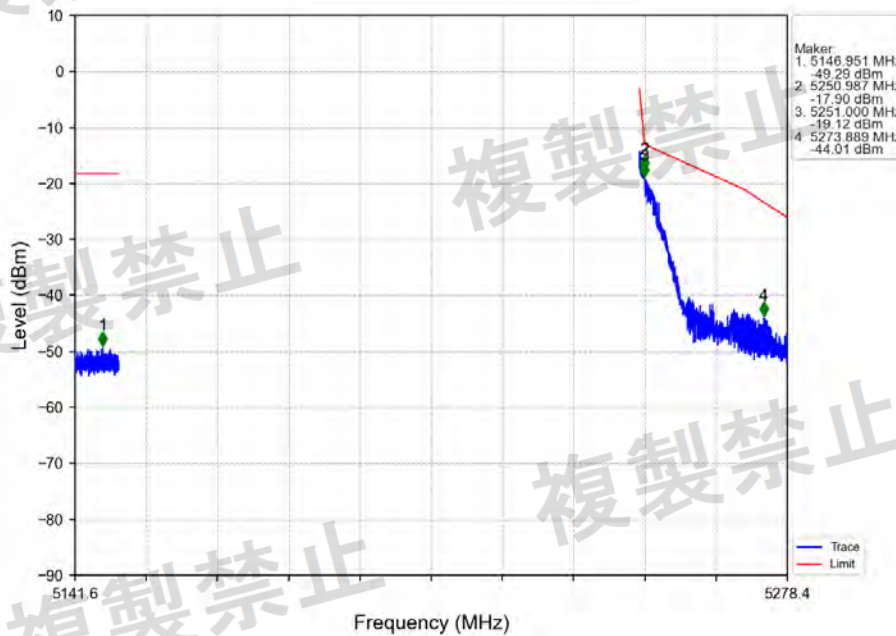


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

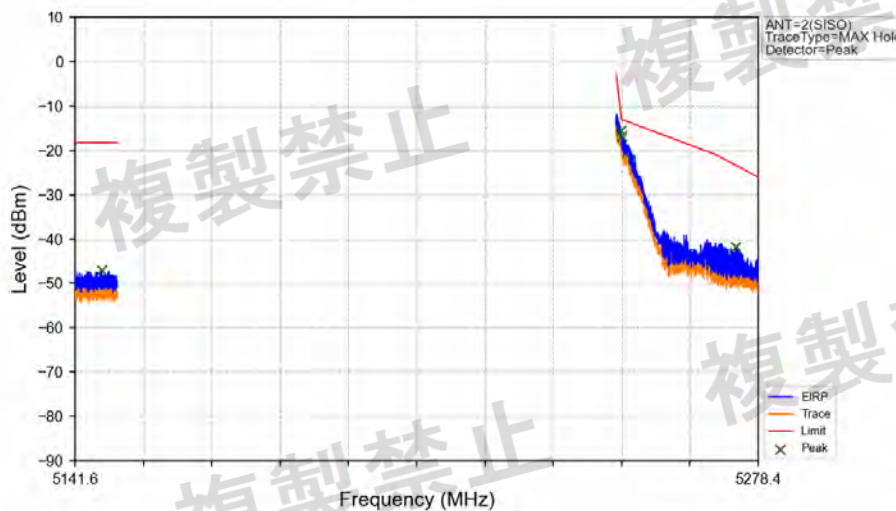


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5145.439	-49.56	/	2.35	-47.21	/	-18.24	Pass
5250	5251	1	1	5251.000	-19.14	/	2.35	-16.79	/	-13.01	Pass
5251	5270	1	1	5251.076	-20.07	/	2.35	-17.72	/	-13.04	Pass
5270	5278.4	1	1	5278.039	-49.05	/	2.35	-46.70	/	-25.83	Pass

802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

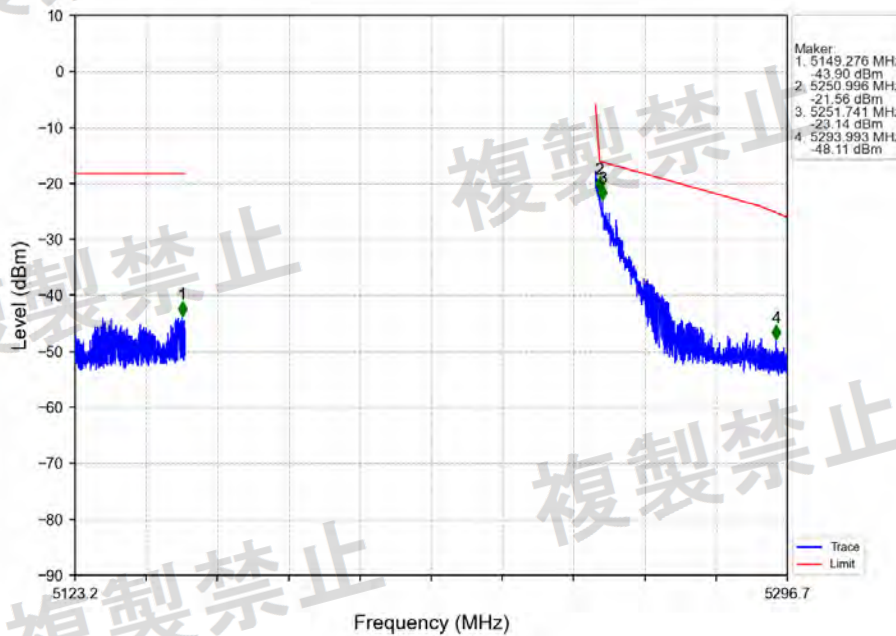


802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

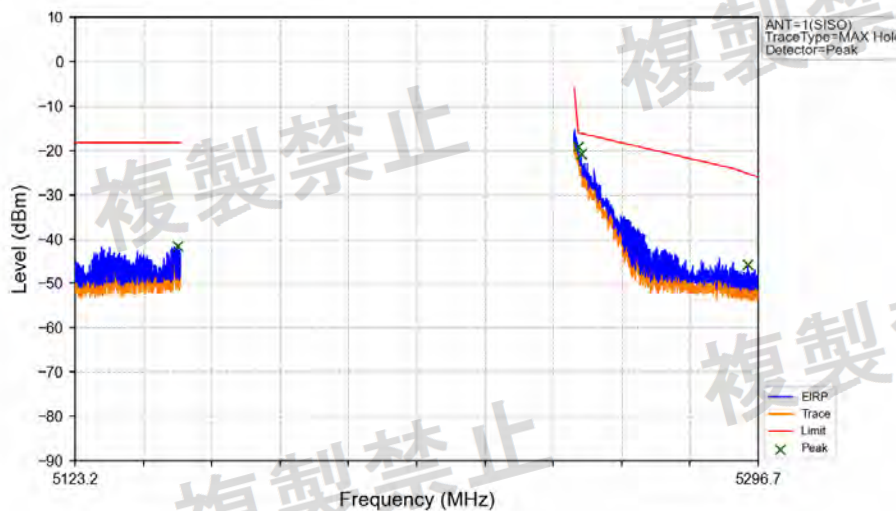


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5146.951	-49.29	/	2.35	-46.94	/	-18.24	Pass
5250	5251	1	1	5250.987	-17.90	/	2.35	-15.55	/	-12.88	Pass
5251	5270	1	1	5251.000	-19.12	/	2.35	-16.77	/	-13.01	Pass
5270	5278.4	1	1	5273.889	-44.01	/	2.35	-41.66	/	-23.34	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

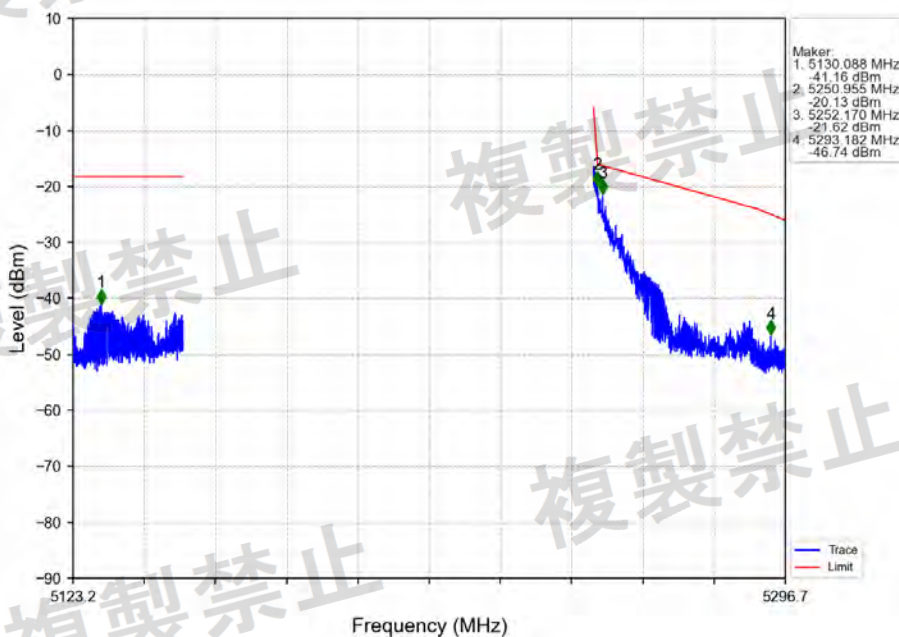


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

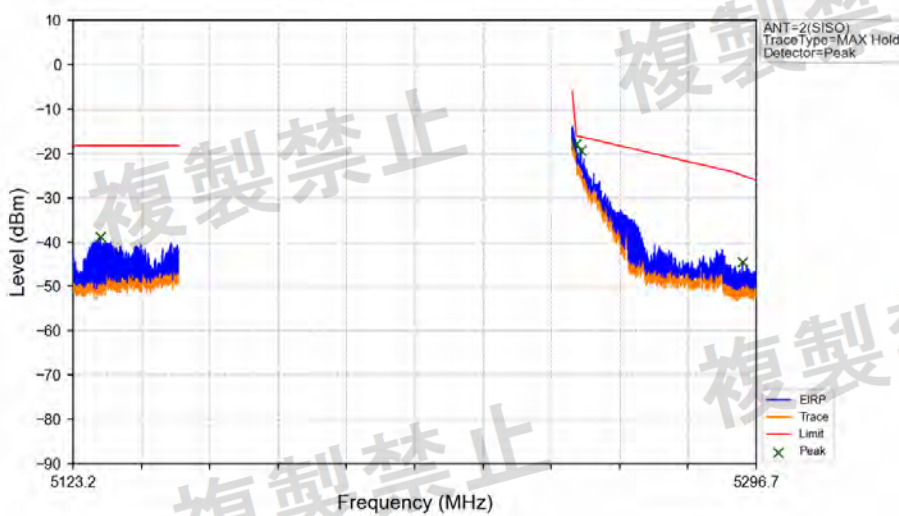


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Gain (dBi)	PK EIRP (dBm)	AV EIRP (dBm)	Limit (dBm)	Result
5123.2	5150	1	1	5149.276	-43.90	/	2.35	-41.55	/	-18.24	Pass
5250	5251	1	1	5250.996	-21.56	/	2.35	-19.21	/	-15.98	Pass
5251	5290	1	1	5251.741	-23.14	/	2.35	-20.79	/	-16.17	Pass
5290	5296.7	1	1	5293.993	-48.11	/	2.35	-45.76	/	-25.22	Pass

802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_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	5130.088	-41.16	/	2.35	-38.81	/	-18.24	Pass
5250	5251	1	1	5250.955	-20.13	/	2.35	-17.78	/	-15.57	Pass
5251	5290	1	1	5252.170	-21.62	/	2.35	-19.27	/	-16.26	Pass
5290	5296.7	1	1	5293.183	-46.74	/	2.35	-44.39	/	-24.98	Pass

6. Transmission Burst Length

6.1 Test Result

6.1.1 Ant1_NTNV

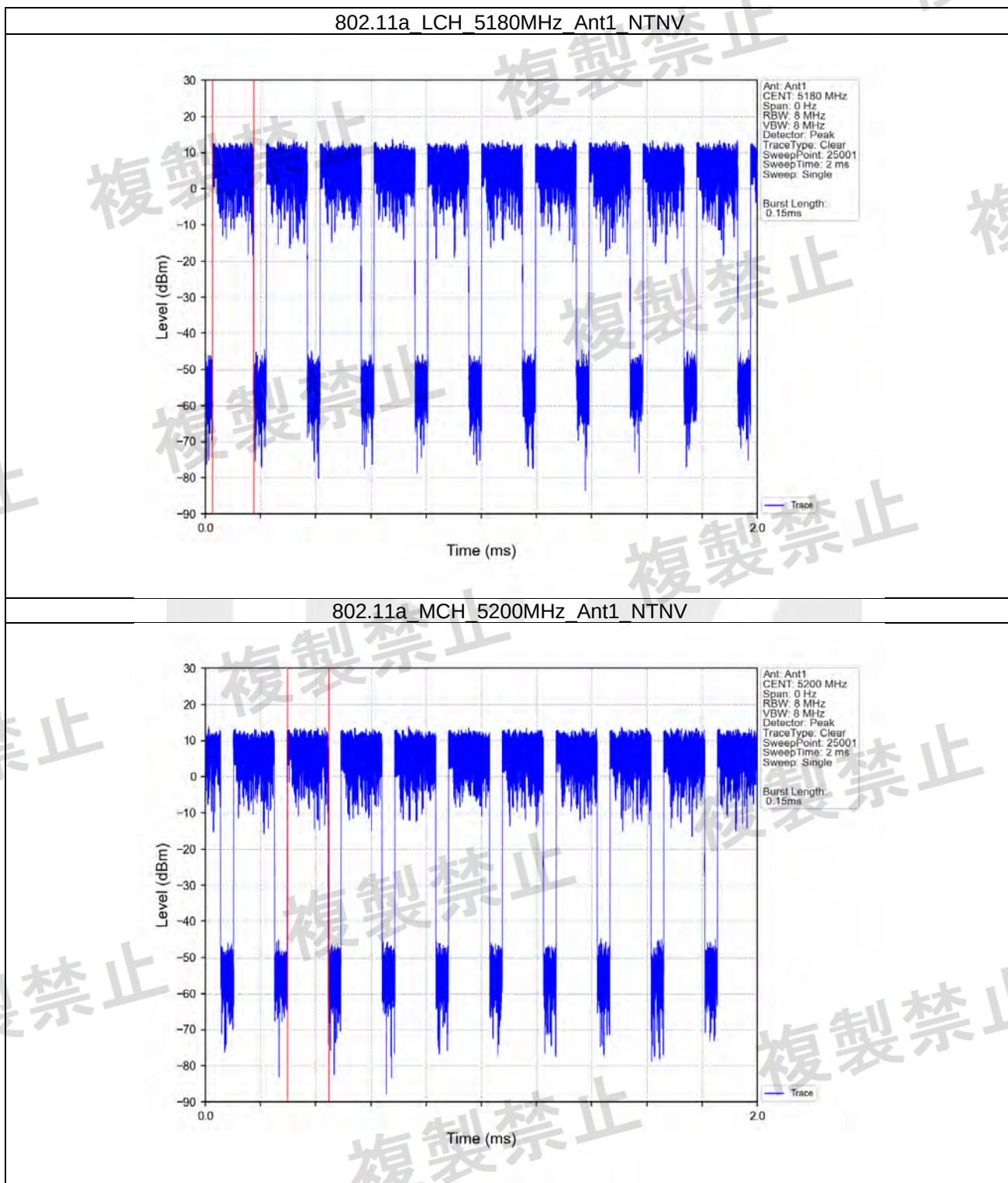
Ant1_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5180	0.149	<=8	Pass
		5200	0.149	<=8	Pass
		5240	0.149	<=8	Pass
802.11n (HT20)	SISO	5180	0.177	<=8	Pass
		5200	0.177	<=8	Pass
		5240	0.177	<=8	Pass
802.11n (HT40)	SISO	5190	0.181	<=8	Pass
		5230	0.181	<=8	Pass
802.11ac (VHT20)	SISO	5180	0.165	<=8	Pass
		5200	0.165	<=8	Pass
		5240	0.165	<=8	Pass
802.11ac (VHT40)	SISO	5190	0.157	<=8	Pass
		5230	0.157	<=8	Pass
802.11ac (VHT80)	SISO	5210	0.165	<=8	Pass

6.1.2 Ant2_NTNV

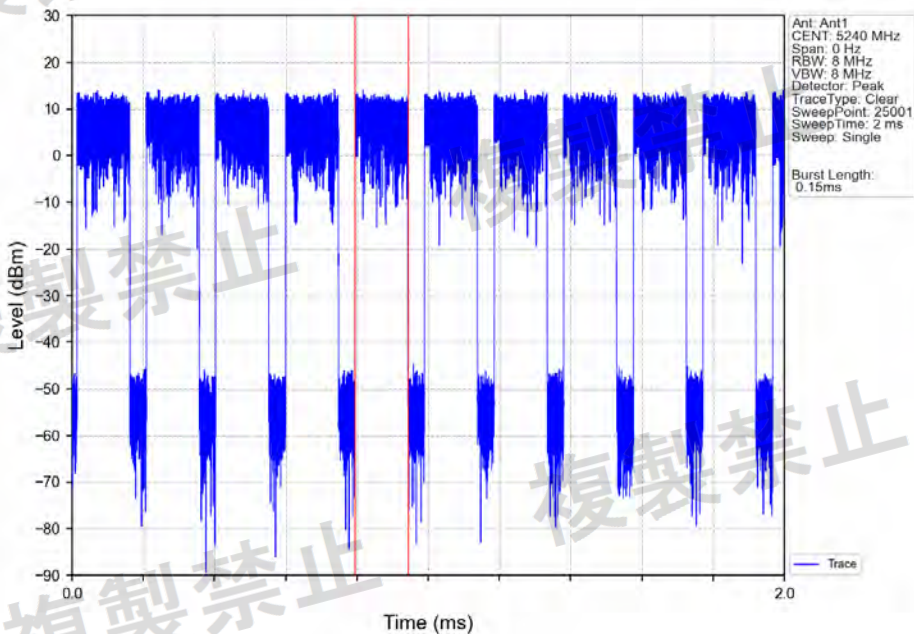
Ant2_NTNV					
Mode	TX Type	Frequency (MHz)	Burst Length (ms)		Verdict
			Result	Limit	
802.11a	SISO	5180	0.149	<=8	Pass
		5200	0.149	<=8	Pass
		5240	0.149	<=8	Pass
802.11n (HT20)	SISO	5180	0.177	<=8	Pass
		5200	0.177	<=8	Pass
		5240	0.177	<=8	Pass
802.11n (HT40)	SISO	5190	0.181	<=8	Pass
		5230	0.181	<=8	Pass
802.11ac (VHT20)	SISO	5180	0.165	<=8	Pass
		5200	0.165	<=8	Pass
		5240	0.165	<=8	Pass
802.11ac (VHT40)	SISO	5190	0.157	<=8	Pass
		5230	0.157	<=8	Pass
802.11ac (VHT80)	SISO	5210	0.165	<=8	Pass

6.2 Test Graph

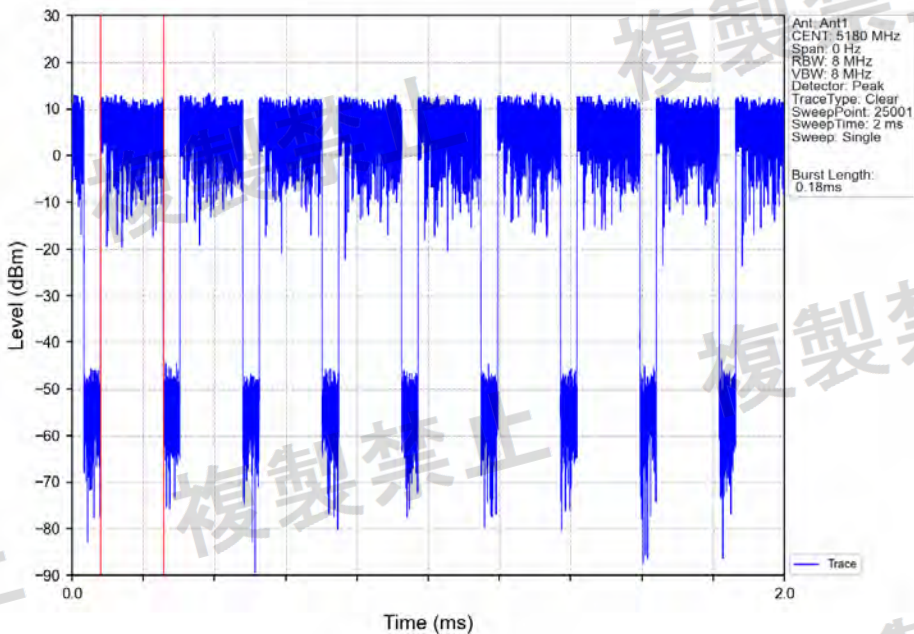
6.2.1 Ant1_NTNV

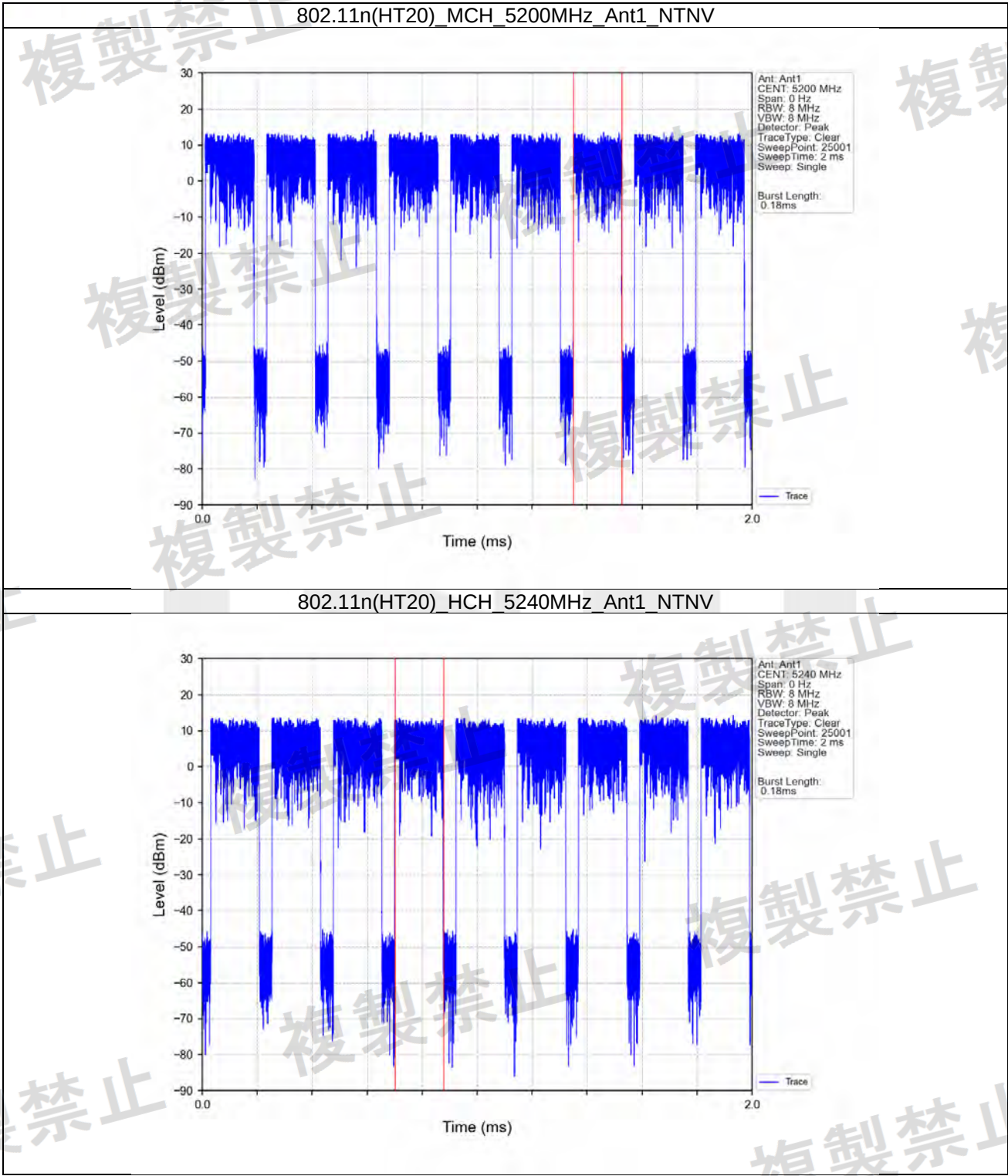


802.11a_HCH_5240MHz_Ant1_NTNV

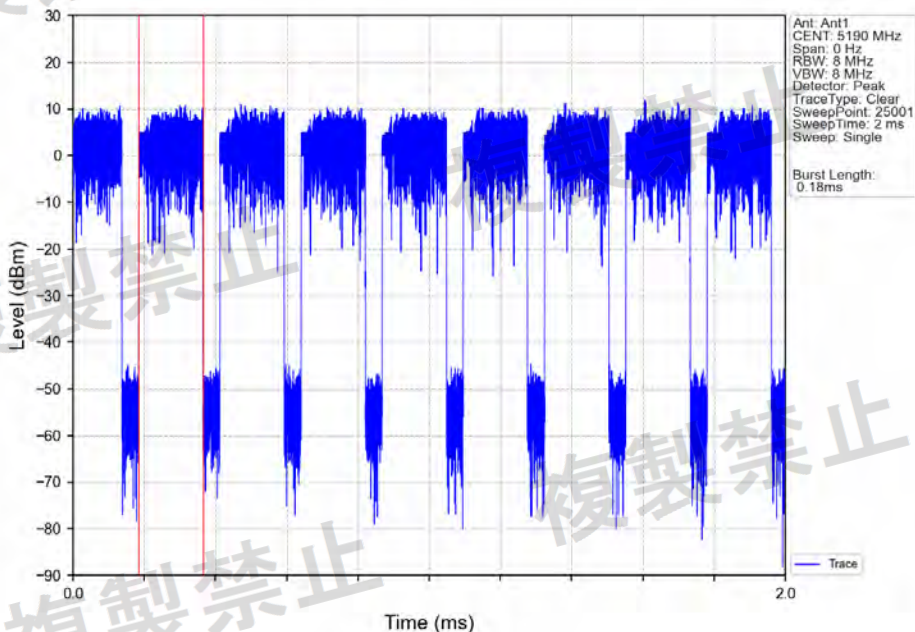


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

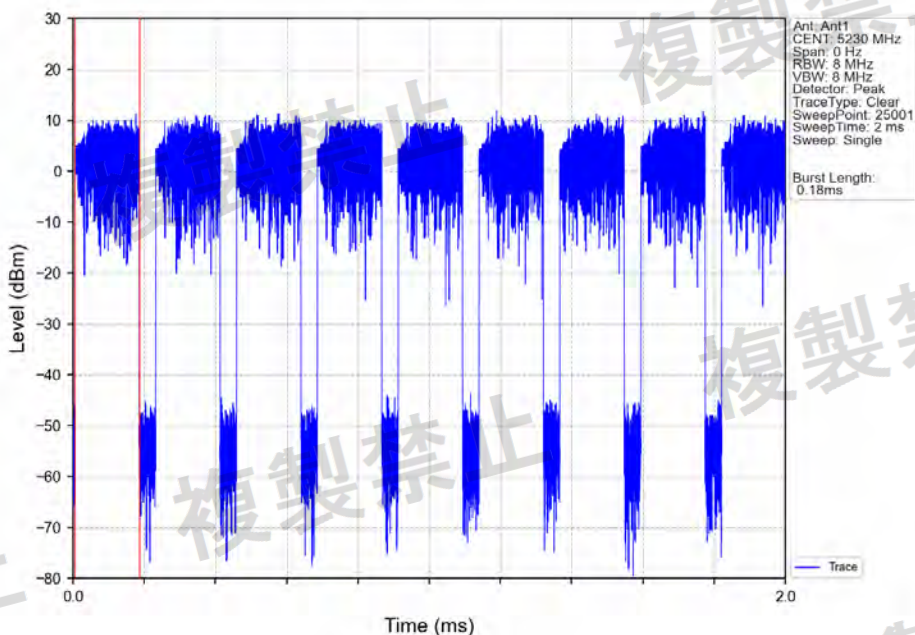




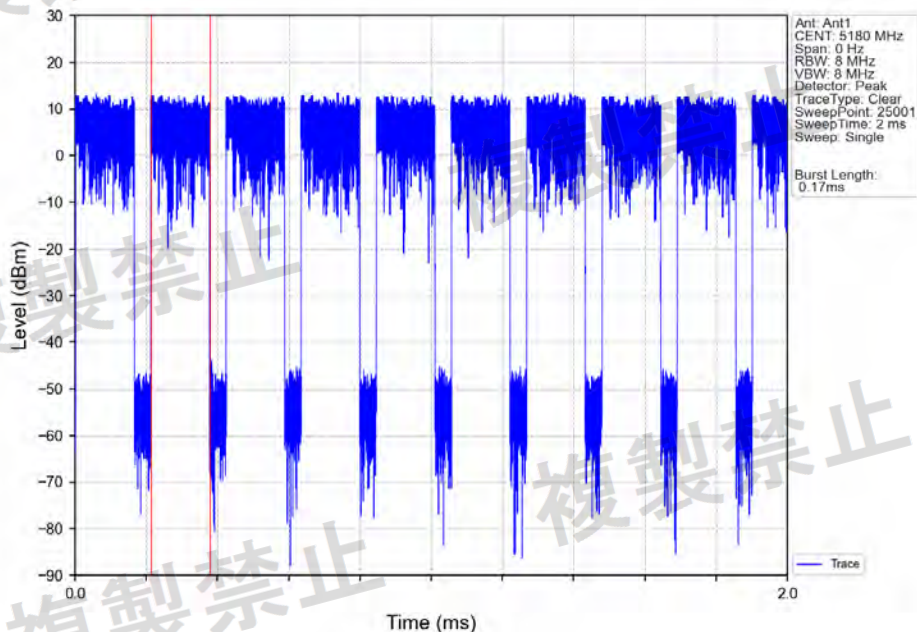
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



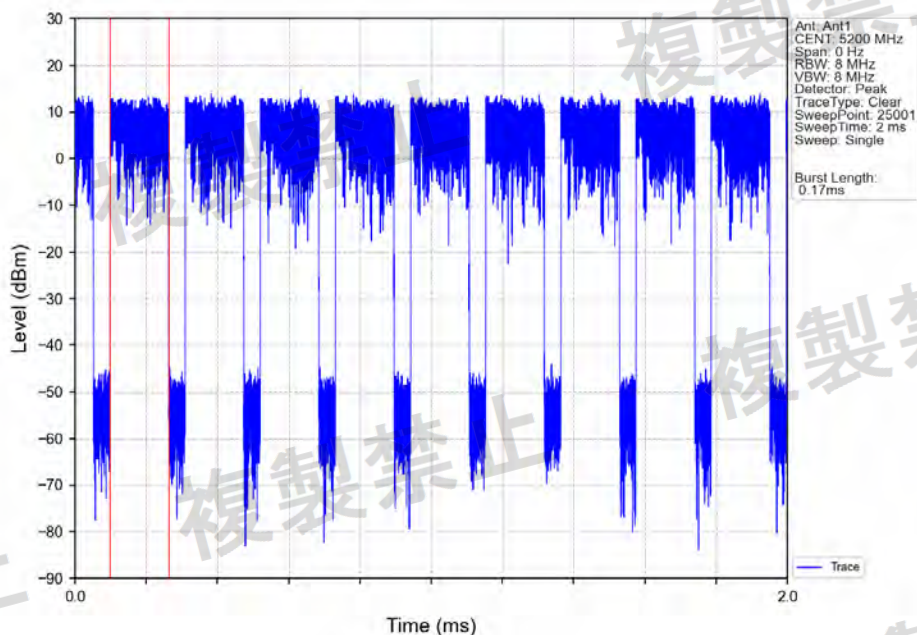
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



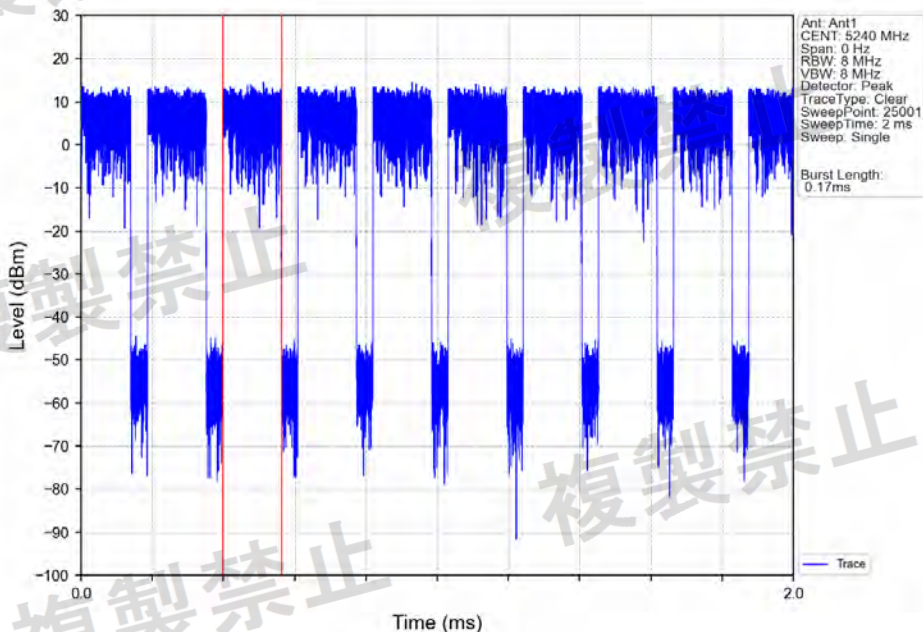
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



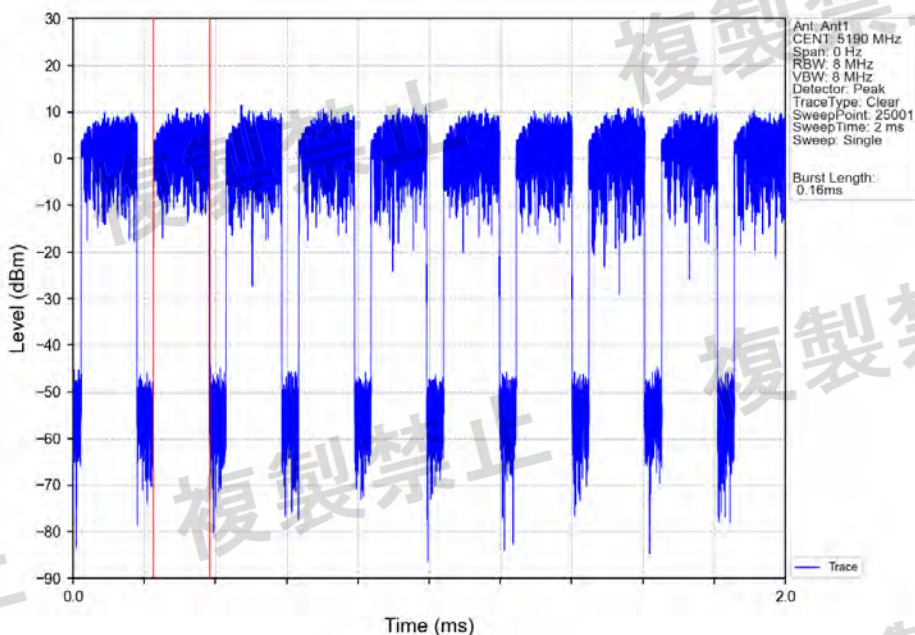
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



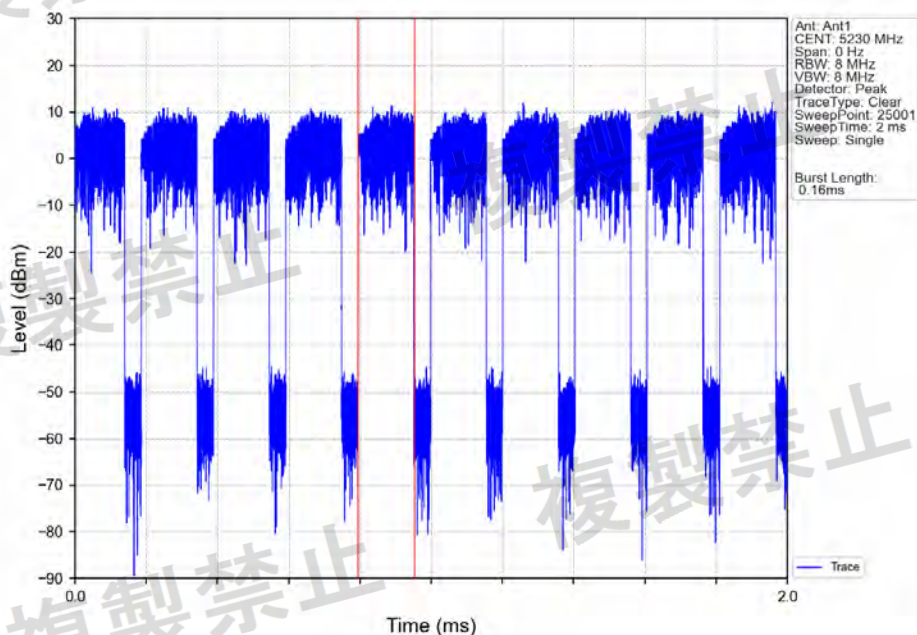
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



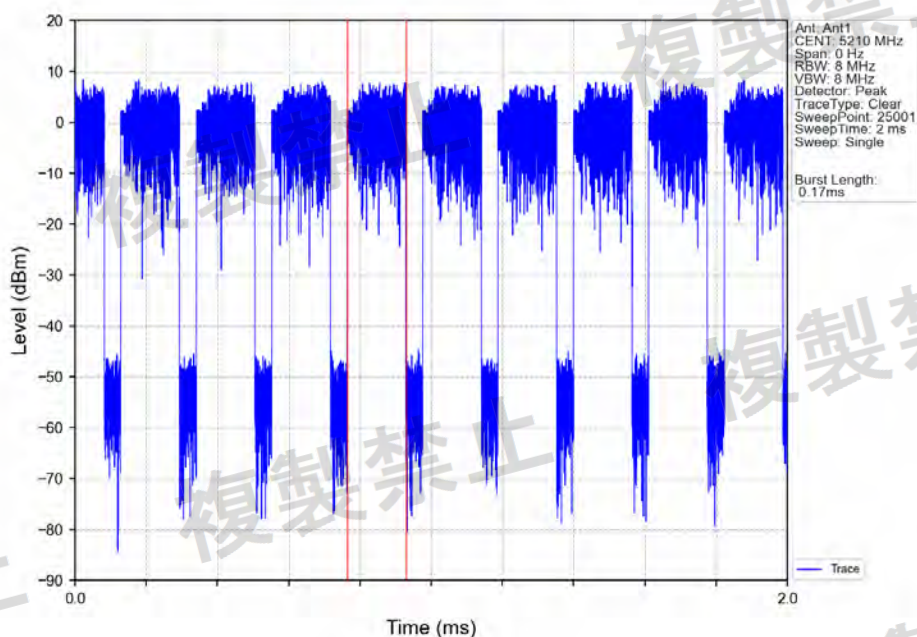
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



6.2.2 Ant2_NTNV

