

TEST REPORT

Specific Wireless Devices

for

Products Name: Android Tablet

Model No.: Refer to section 2.2 for details

Report No.: SST2510E1667

Issued Date: 2025-10-31

Issued for

God Speed Co., Ltd.

2-1-3 Higashiyama Meguro-ku Tokyo Japan 153-0043

Issued by

Dongguan Qiyang Testing Technology Co., Ltd.

Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

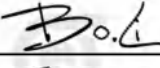
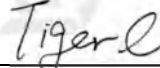
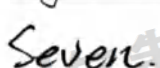
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1. Basic Introduction

Applicant's name :	God Speed Co., Ltd.	
Address	2-1-3 Higashiyama Meguro-ku Tokyo Japan 153-0043	
Manufacturer's name	God Speed Co., Ltd.	
Address	2-1-3 Higashiyama Meguro-ku Tokyo Japan 153-0043	
Factory's name	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.	
Address	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.	
Products Name :	Android Tablet	
Model No. :	Refer to section 2.2 for details	
Trade Mark	POPMATE	
Rating(s) :	Switching Adapter Model: FJ-SW20261203000 Input: AC 100-240V, 50/60Hz, 1.5A max Output: DC 12V, 3A	
Date of sample receipt :	2025-10-22	
Date of Test :	2025-10-22~2025-10-30	
Standard(s)	Article 2 paragraph 1 item(19)-3 MIC Notice No.88 Annex 1 MIC Notice No.88 Annex 45	
Tested by (+signature) :	Bo Li	
Check by (+signature) :	Tiger Chen	
Approved by (+signature) :	Seven Zhan	



2. General description

2.1. EUT description

Products Name	Android Tablet			
Model No.	Refer to section 2.2 for details			
Rating(s)	Switching Adapter Model: FJ-SW20261203000 Input: AC 100-240V, 50/60Hz, 1.5A max Output: DC 12V, 3A			
Software version	GS-215ADEXOS14-R141-V1.E-21-K1.12-SG-GG-20251017			
Hardware version	R141-V1.0C			
Operation frequency	5180-5240MHz (20MHz Bandwidth) 5190-5230MHz(40MHz Bandwidth) 5210MHz(80MHz Bandwidth)			
Modulation technology	802.11a/n/ac/ax Note : 802.11ax support full RU only			
DFS Function	Not applicable			
TPC Function	No			
Antenna type	FPC antenna			
Antenna Gain	2.67 dBi			
Cable	Port(s)	Specified length in (m)	Attached during test	Shielded
	/	/	☐	☐

2.2. Serial model(s) and model difference

Main model(s)	GS-215ADEX_OS14
Serial model(s)	GS-101ADEX_OS14, GS-140ADEX_OS14, GS-156ADEX_OS14, GS-160ADEX_OS14, GS-185ADEX_OS14, GS-215ADEX_OS14, GS-240ADEX_OS14, GS-270ADEX_OS14, GS-320ADEX_OS14, GS-430ADEX_OS14, GS-550ADEX_OS14
Model difference	List models were in same PCB layout and internal structure, the only difference is model name for commercial purpose.

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
PC	HP	Zhan 66P	/
Support cable list			
Description	Specified length(m)	Shielded	Unshielded
Type C	1m	☐	☐

2.4. Description of test modes and condition

Mode 1	Continuously transmit
Mode 2	Receiver status
Temperature(°C):	23.9
Humidity (%):	53
Atmospheric pressure:	100.9kPa
Condition	
Normal voltage	AC 100 V
Low voltage (-10%)	AC 90 V
High voltage (+10%)	AC 110 V

2.5. Test environmental conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:		
Ambient temperature	Relative humidity	Atmospheric pressure
15 °C ~ 35 °C	30 % ~ 60 %	86 kPa ~ 106 kPa
If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.		

2.6. Statement of Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conducted emissions	3.31 dB
Uncertainty for Radiated emission (30 MHz to 1 GHz)	4.53 dB
Uncertainty for Radiated emission (above 1 GHz)	4.80 dB
RF power, conducted	1.08 dB
Power Spectral Density, Conducted	1.46 dB
Spurious Emissions, Conducted	2.94 dB
Measurement Uncertainty Decision Rule Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4.	

2.7. Report modification record

Report No.	Issue Date	Description
SST2510E1667	2025-10-31	Original Report

2.8. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:	
CNAS	Registration No.: L17883
Location	Dongguan Qiyang Testing Technology Co., Ltd. Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

2.9. Additional Instruction

Test Software	CMD directive
Power level setup	Default

2.10. Other information

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver.

The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

3. Verdict summary section

Requirement – Test case	Result
RF shielding method	Pass
Tolerance of Frequency	Pass
Antenna Power and EIRP	Pass
Occupied bandwidth	Pass
Adjacent Channel Power Tolerance	Pass
Burst Length Measurement	Pass
Spurious Emissions Intensity	Pass
Secondary radiated emissions	Pass
Interference Prevention Function	Pass
Number of carrier	Pass (This device has more than 1 subcarrier in 1MHz, compliances with the requirement.)

Test case verdicts	
- Test case does not apply to the test object	N/A
- Test object does meet the requirement	P (Pass)
- Test object does not meet the requirement	F (Fail)

4. List of Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
RF conducted					
Spectrum Analyzer	keysight	N9020A	MY51280659	2025/04/16	2026/04/16
Signal Generator	Agilent	N5181A	MY48180054	2025/04/16	2026/04/16
Signal Generator	keysight	N5172B	MY57281610	2025/04/16	2026/04/16
Spectrum Analyzer	R&S	FSV40-N	101791	2025/04/16	2026/04/16
Wideband Radio Communication Tester	R&S	CMW500	123123	2025/04/16	2026/04/16
RF Switch Box	TST PASS	TST V2	/	2025/04/16	2026/04/16
Thermohygrometer	KTJ	TA218A	879032	2025/04/20	2026/04/20
DC power supply	Lodestar	LPS6010D	LP2303371	/	/
Temperature and humidity chamber	Guangdong fenghe	FH-TH-1000	FH24032017	2025/04/26	2026/04/26
Test Software	TST PASS	TST PASS	V2.0	/	/

Remark: all above equipment were calibrated by Guangzhou Lisai Metrology & Test Co., Ltd. according to the calibration method in Article 24-2, Paragraph 4 of the Radio Law.

5. Technical Requirement and Measurement Data

5.1. Cabinet

Requirement:

The radio equipment used shall be housed in a single cabinet that cannot be readily opened.

Shielding method:

Refer to SST2510E1664 for details

5.2. Antenna Power

Limit

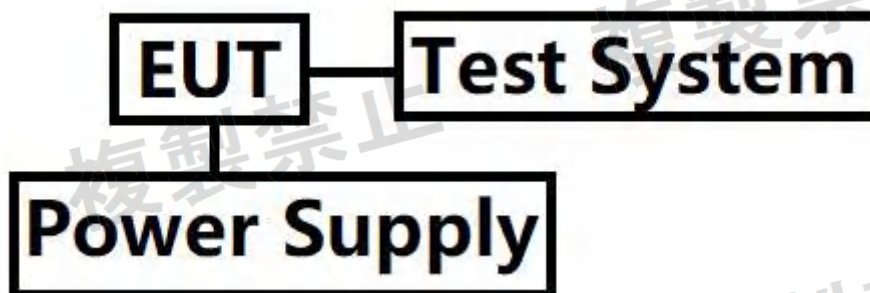
Antenna Power:

DSSS, etc.	OFDM		
DSSS: 10mW/MHz	20M system	40M system	80M system
etc.: 10mW	10mW/MHz	5mW/MHz	2.5mW/MHz

EIRP:

	20M system	40M system	80M system
W52	10mW/MHz	5mW/MHz	2.5mW/MHz
W53	10mW/MHz: with TPC	5mW/MHz: with TPC	2.5mW/MHz: with TPC
	5mW/MHz: without TPC	2.5mW/MHz: without TPC	1.25mW/MHz: with TPC
W56	50mW/MHz: with TPC	25mW/MHz: with TPC	12.5mW/MHz: with TPC
	25mW/MHz: without TPC	12.5mW/MHz: without TPC	6.25mW/MHz: with TPC

Block diagram of Test Setup



Test Setup

Test Frequency: centre Frequency
 Span: Max allowed to capture the trace
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: Auto
 Detector: Peak
 Trace: Max hold
 Mark the highest peak value, then centre the frequency
 Span: 0Hz
 RBW: 1MHz
 VBW: 1MHz
 Sweep: Single
 Detector: RMS
 Measure the burst power.

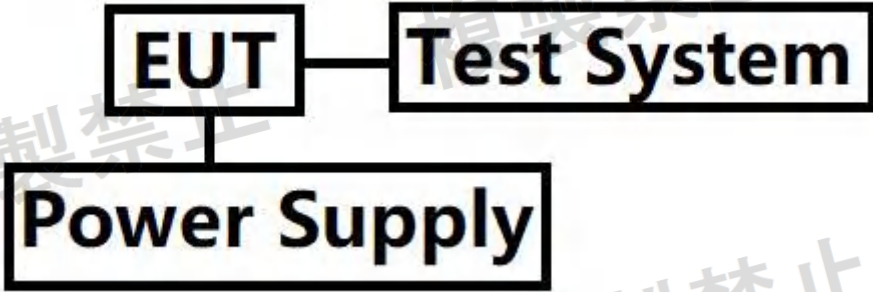
Verdict

Pass

5.2.1. Test Result

Refer to section 8 for details

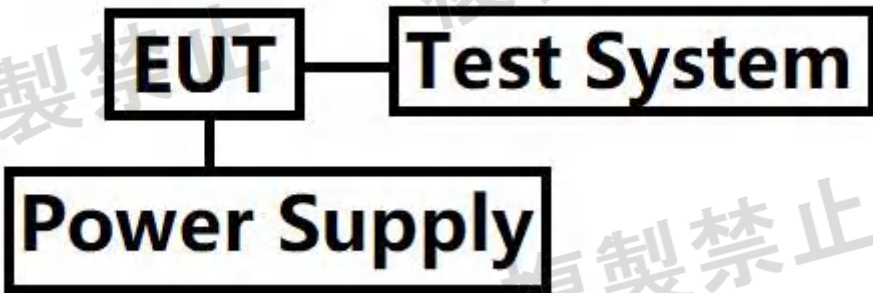
5.3. Frequency Tolerance

Limit
$\pm 20 \times 10^{-6}$
Block diagram of Test Setup
 <pre> graph LR PS[Power Supply] --- EUT[EUT] EUT --- TS[Test System] </pre>
Test Setup
Test Frequency: centre Frequency Span: 1MHz RBW: 10kHz VBW: =RBW Sweep Time: Auto Detector: Peak Trace: Max hold While the trace is stabilized, mark the highest transmit frequency
Verdict
Pass

5.3.1. Test Result

Refer to section 8 for details

5.4. Occupied Bandwidth

Limit
For 20MHz system: $\leq 20\text{MHz}$; For 40MHz system: $\leq 40\text{MHz}$; For 80MHz system: $\leq 80\text{MHz}$;
Block diagram of Test Setup
 <pre> graph LR PS[Power Supply] --- EUT[EUT] EUT --- TS[Test System] </pre>
Test Setup
Test Frequency: centre Frequency Span: Max allowed to capture hole trace RBW: 300kHz VBW: =RBW Sweep Time: Auto Detector: Peak Trace: Max hold While the trace is stabilized, Use the 99 % bandwidth function of the spectrum analyser to measure the Occupied Channel Bandwidth of the UUT. This value shall be recorded. Mark lowest frequency FL of the 99% bandwidth and the highest Frequency FH of 99% bandwidth.
Verdict
Pass

5.4.1. Test Result

Refer to section 8 for details

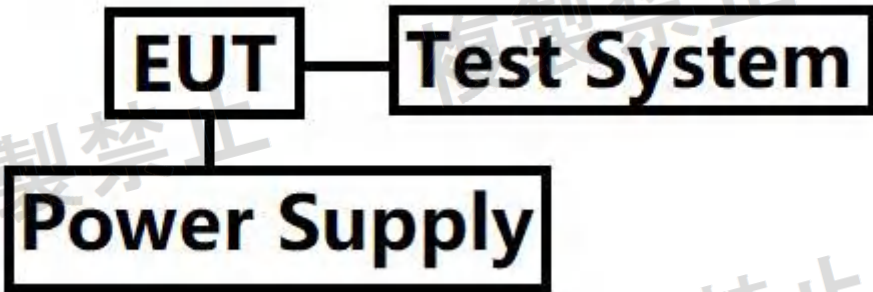
5.5. Spurious Emission Intensity

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 - 5,251 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,250 - 5,251 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,250 - 5,251 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,250 - 5,251 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz
5,251 - 5,252 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,251 - 5,252 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,251 - 5,252 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,251 - 5,252 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz
5,252 - 5,253 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,252 - 5,253 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,252 - 5,253 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz	5,252 - 5,253 MHz : $10^{1-(9/10)(f-513)}$ mW/MHz
5,253 MHz or more : 2.5 μ W/MHz	5,253 MHz or more : 2.5 μ W/MHz	5,253 MHz or more : 2.5 μ W/MHz	5,253 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 : $10^{1-(9/10)(f-520)}$ mW/MHz	5,233.3 - 5,240 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,221.6 - 5,230 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,203.3 - 5,210 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz
5,240 - 5,249 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,240 - 5,249 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,230 - 5,249 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,210 - 5,249 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz
5,249 - 5,250 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,249 - 5,250 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,249 - 5,250 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz	5,249 - 5,250 MHz : $10^{1-(9/10)(f-520)}$ mW/MHz
5,350 MHz or more : 2.5 μ W/MHz	5,350 MHz or more : 2.5 μ W/MHz	5,350 - 5,358.4 MHz : 15 μ W/MHz	5,350 - 5,370.8 MHz : 15 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)
Block diagram of Test Setup			
<pre> graph TD EUT[EUT] --- TestSystem[Test System] TestSystem --- PowerSupply[Power Supply] PowerSupply --- EUT </pre>			
Test Setup			
Analyser frequency set to the wanted transmitting frequency Frequency Range: 30MHz ~ 26GHz RBW: 100 kHz<1GHz; 1MHz>1GHz VBW:=RBW Sweep time: Auto Detector: Peak Trace: Max Hold Allow the trace to stabilize. Use mark-peak function to mark the highest emission level.			
Verdict			
Pass			

5.5.1. Test Result

Refer to section 8 for details

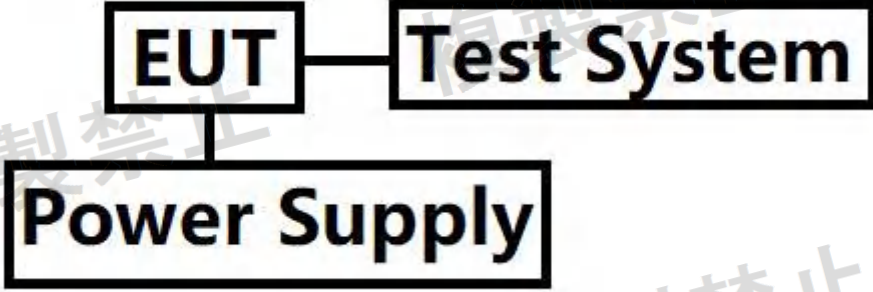
5.6. Second Radiated Emission

Limit
4nW or less at a frequency below 1 GHz and 20 nW or less at a frequency of 1 GHz or higher
Block diagram of Test Setup
 <pre> graph TD PS[Power Supply] --- EUT[EUT] EUT --- TS[Test System] </pre>
Test Setup
Analyser frequency set to the wanted transmitting frequency Frequency Range: 30MHz ~ 26GHz RBW: 100 kHz < 1GHz; 1MHz > 1GHz VBW: =RBW Sweep time: Auto Detector: Peak Trace: Max Hold Allow the trace to stabilize. Use mark-peak function to mark the highest emission level.
Verdict
Pass

5.6.1. Test Result

Refer to section 8 for details

5.7. Burst Length

Limit
≤8ms
Block diagram of Test Setup
 <pre> graph LR PS[Power Supply] --- EUT[EUT] EUT --- TS[Test System] </pre>
Test Setup
Analyser frequency set to the wanted transmitting frequency Test Frequency: Centre Frequency RBW: 8MHz VBW: =RBW Span: 0MHz Sweep time: Auto Detector: Peak Trace: Clear Sweep: Single
Verdict
Pass

5.7.1. Test Result

Refer to section 8 for details

5.8. Adjacent Channel Leakage Power

Limit

For OFDM, $OBW \leq 20\text{MHz}$

$\geq -25\text{dBc}$, $f_c \pm 20\text{MHz} \pm 10\text{MHz}$

$\geq -40\text{dBc}$, $f_c \pm 40\text{MHz} \pm 10\text{MHz}$

For OFDM, $20 \leq OBW \leq 40\text{MHz}$

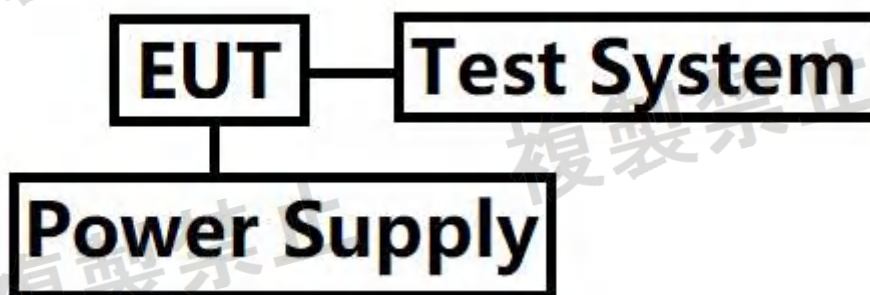
$\geq -25\text{dBc}$, $f_c \pm 40\text{MHz} \pm 20\text{MHz}$

$\geq -40\text{dBc}$, $f_c \pm 80\text{MHz} \pm 20\text{MHz}$

For OFDM, $40 \leq OBW \leq 80\text{MHz}$

$\geq -25\text{dBc}$, $f_c \pm 80\text{MHz} \pm 40\text{MHz}$

Block diagram of Test Setup



Test Setup

Analyser frequency set to the wanted transmitting frequency

Test Frequency: Centre Frequency

Span: Wide enough to capture whole trace

RBW: 300 kHz

VBW: =RBW

Sweep time: Auto

Detector: Peak

Trace: Max Hold

Allow the trace to stabilize.

Verdict

Pass

5.8.1. Test Result

Refer to section 8 for details

5.9. Interference Prevention Function

Limit		
a. Identification code transmission/reception: Radio equipment used mainly on the same premises and automatically transmits or receives identification code		
b. Frequency switching and other functions: Users shall be able to choose operating frequencies and halt emission.		
Block diagram of Test Setup		
	Radio equipment	Dummy load Attenuator
		Demodulator
Verdict		
Pass		

5.9.1. Test Result



5.10. Carrier Sense Capability

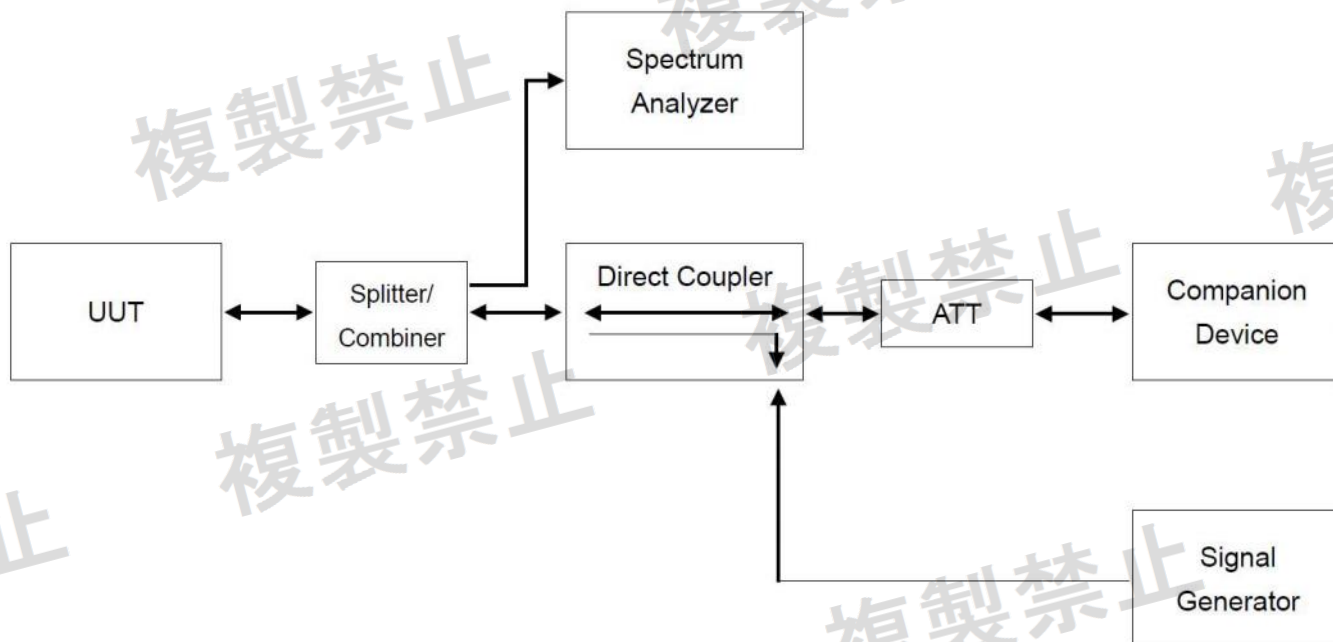
Limit

Stop transmission for interference signal level above 100mV/m (or level at $22.79 + Gr - 20 \cdot \log(f)$ [dBm])

f: indicated frequency in MHz

Gr: indicated the antenna gain in dBi

Block diagram of Test Setup



Test Procedures

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG. Then turn off the RF signal of SG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Set the Spectrum per the above form.
4. SG RF signal on, and adjust the signal level until the EUT stop transmission at the tested frequency. Record the signal level.
5. EUT shall be stop the transmission and SG RF signal off. Then EUT will be continuously transmitted signal.

Verdict

Pass, only worst case report.

5.10.1. Test Result

Test mode	Frequency (MHz)	Antenna Gain (dBi)	SG signal Level (dBm)	Carrier Sense Level (dBm)	Test Result	Verdict
802.11ax(HEW80)	5210	2.67	-20	-48.9	Good	PASS

6. Test setup photo

Refer to appendix I for details

7. Photo of the EUT

Refer to appendix II for details

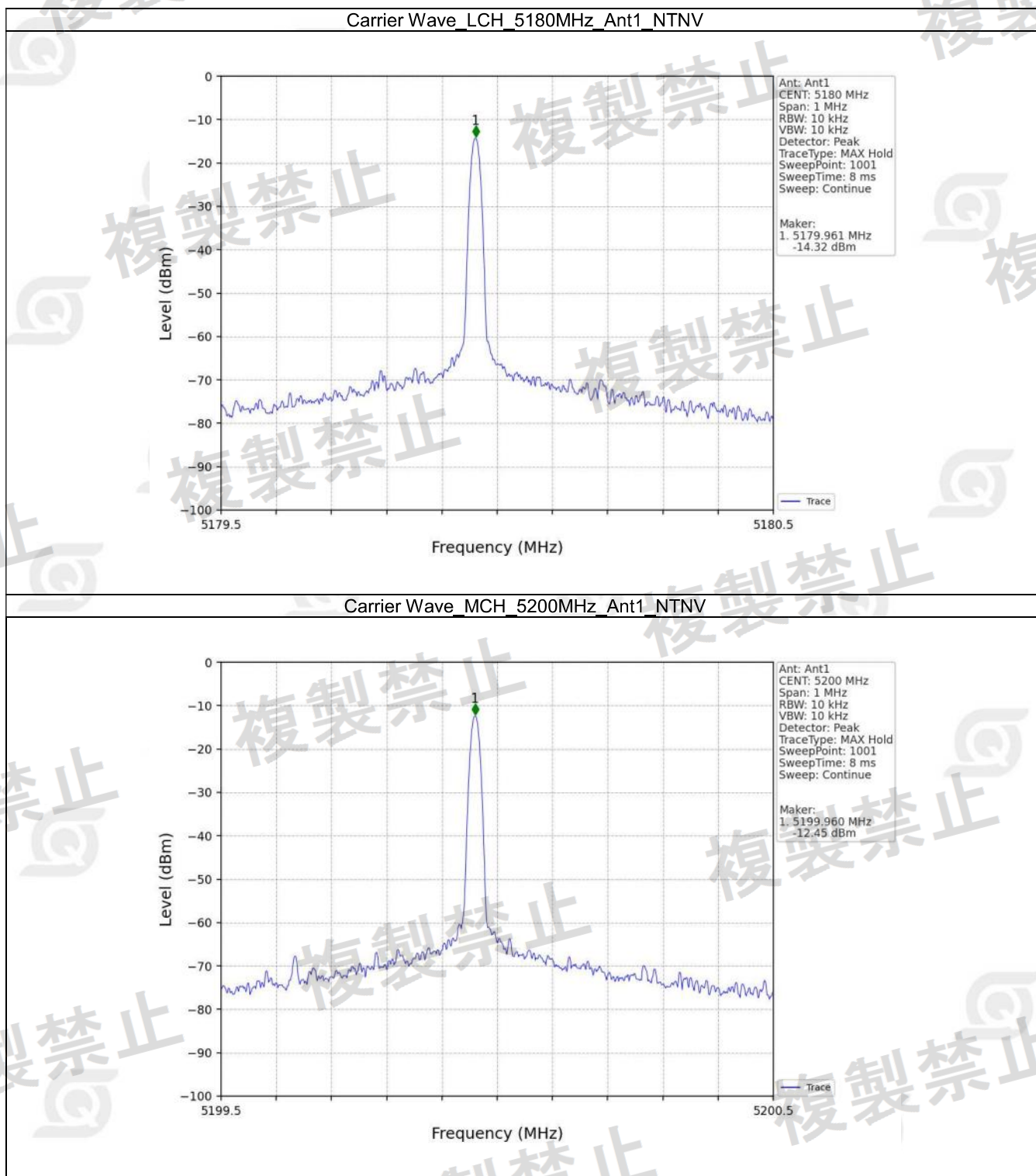
8. Test Result

1. Frequency Error

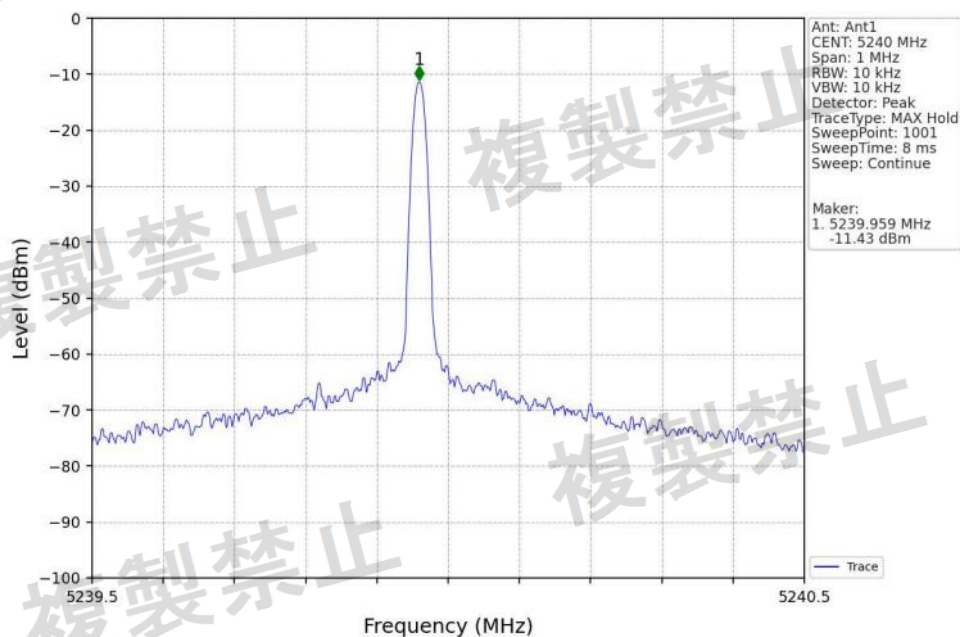
1.1 Test Result

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	5180	5179.961	-7.53	-20 to 20	Pass
			5200	5199.960	-7.69	-20 to 20	Pass
			5240	5239.959	-7.82	-20 to 20	Pass
			5190	5189.961	-7.51	-20 to 20	Pass
			5230	5229.960	-7.65	-20 to 20	Pass
			5210	5209.961	-7.49	-20 to 20	Pass
NTLV	Carrier Wave	SISO	5180	5179.961	-7.53	-20 to 20	Pass
			5200	5199.960	-7.69	-20 to 20	Pass
			5240	5239.960	-7.63	-20 to 20	Pass
			5190	5189.961	-7.51	-20 to 20	Pass
			5230	5229.960	-7.65	-20 to 20	Pass
			5210	5209.961	-7.49	-20 to 20	Pass
NTHV	Carrier Wave	SISO	5180	5179.961	-7.53	-20 to 20	Pass
			5200	5199.960	-7.69	-20 to 20	Pass
			5240	5239.959	-7.82	-20 to 20	Pass
			5190	5189.961	-7.51	-20 to 20	Pass
			5230	5229.960	-7.65	-20 to 20	Pass
			5210	5209.961	-7.49	-20 to 20	Pass

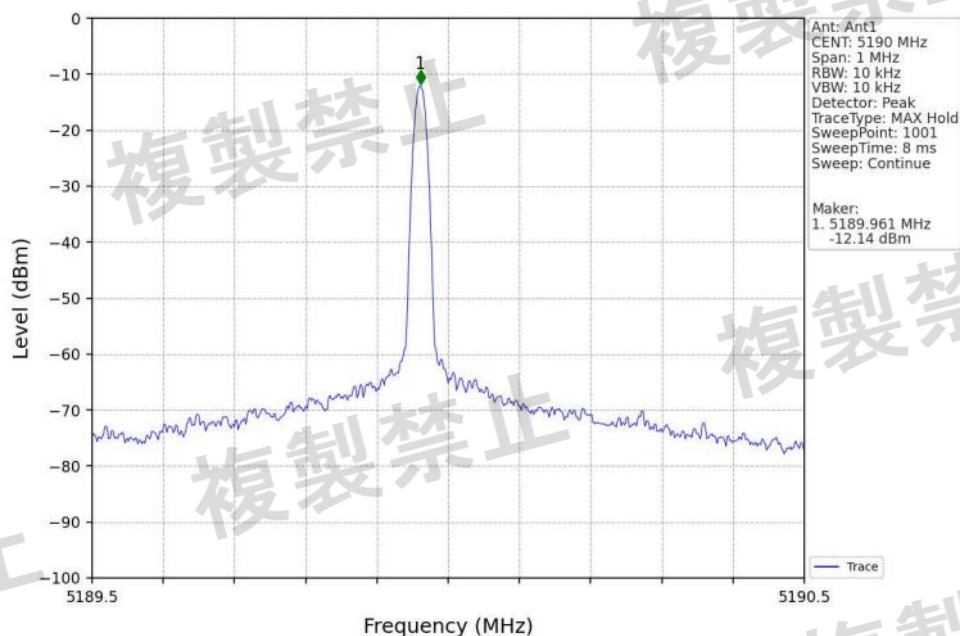
1.2 Test Graph

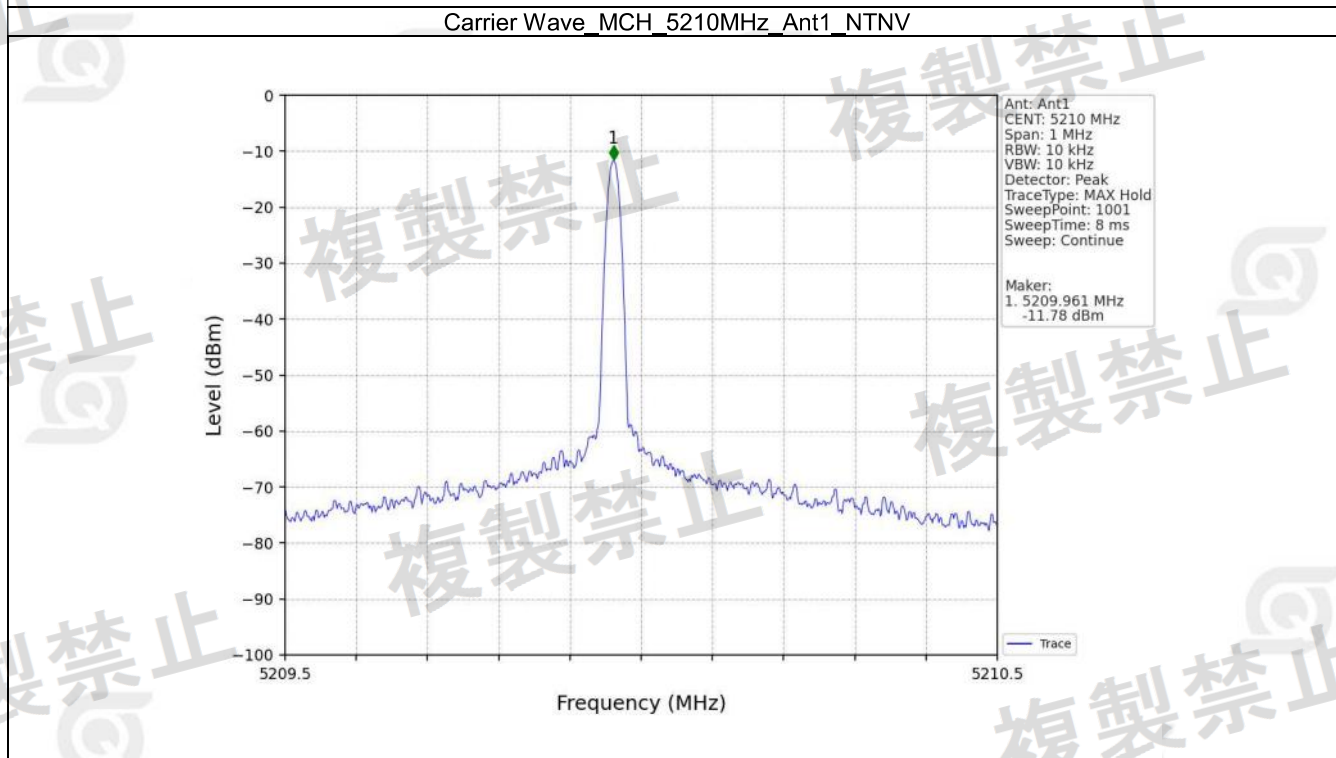
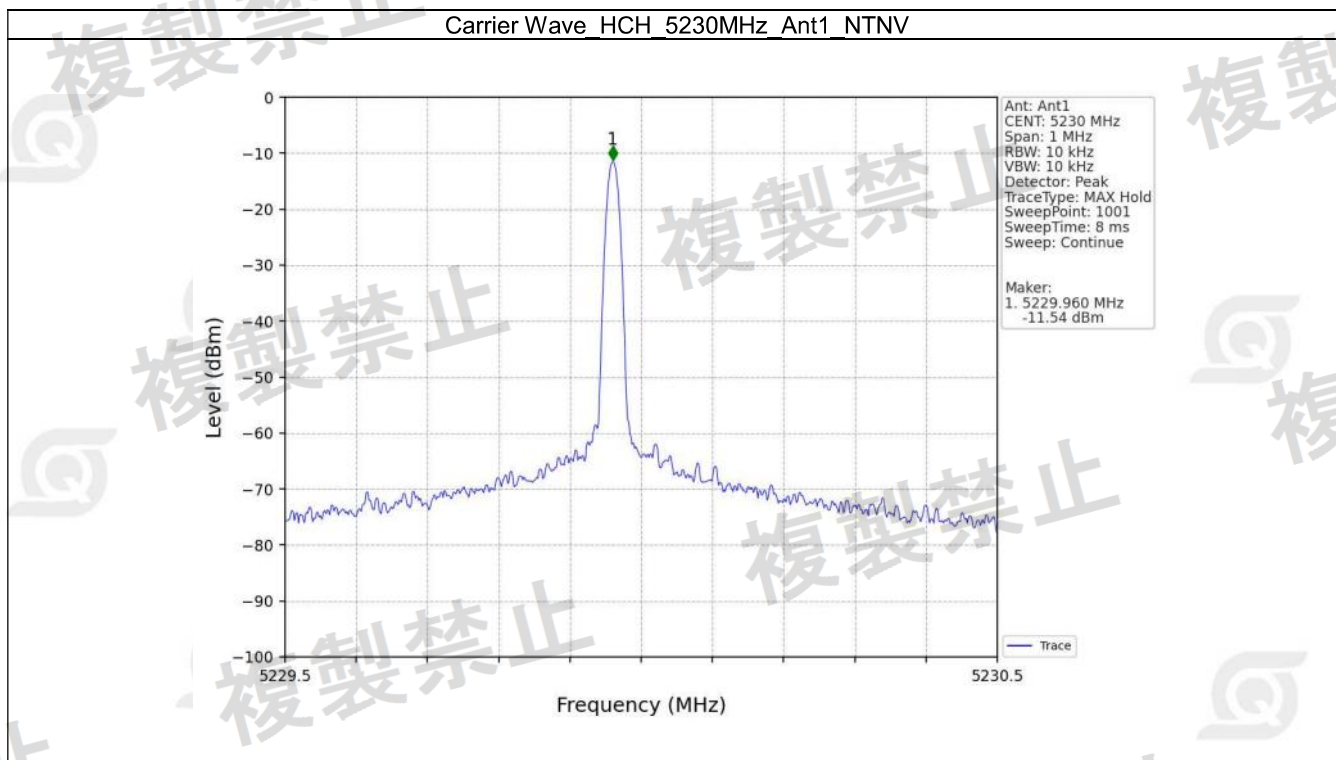


Carrier Wave_HCH_5240MHz_Ant1_NTNV

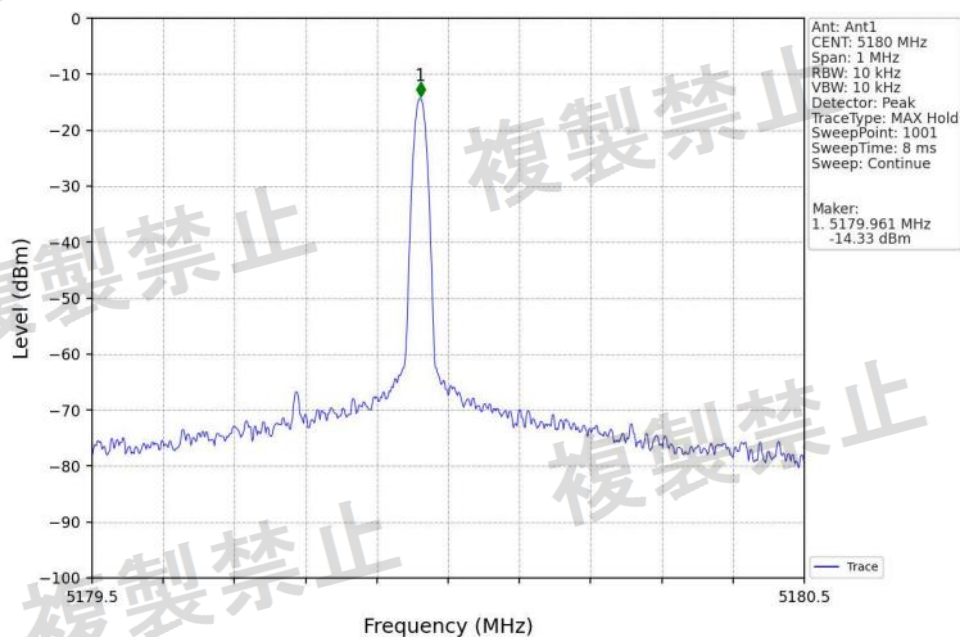


Carrier Wave_LCH_5190MHz_Ant1_NTNV

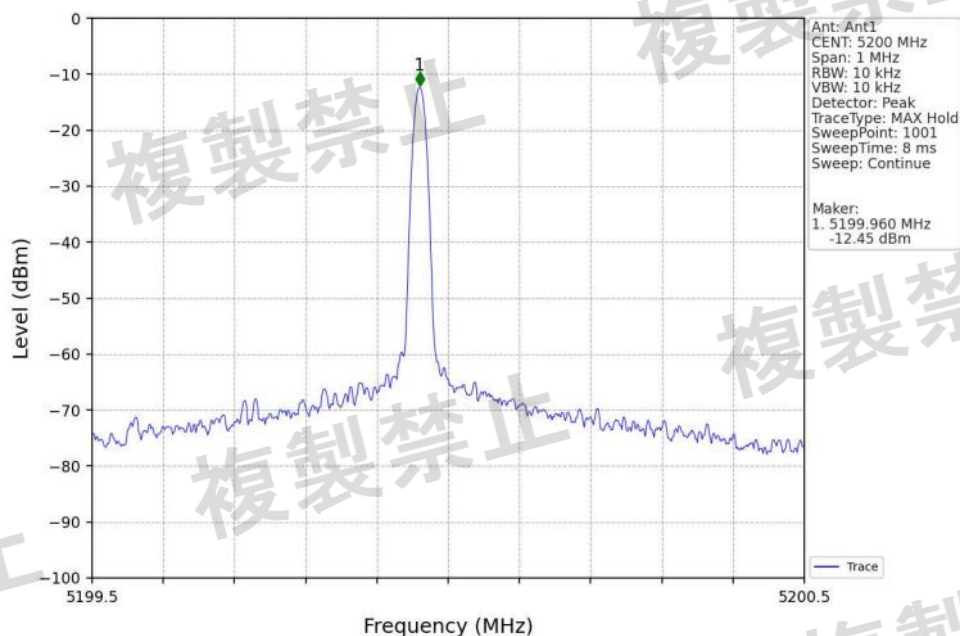




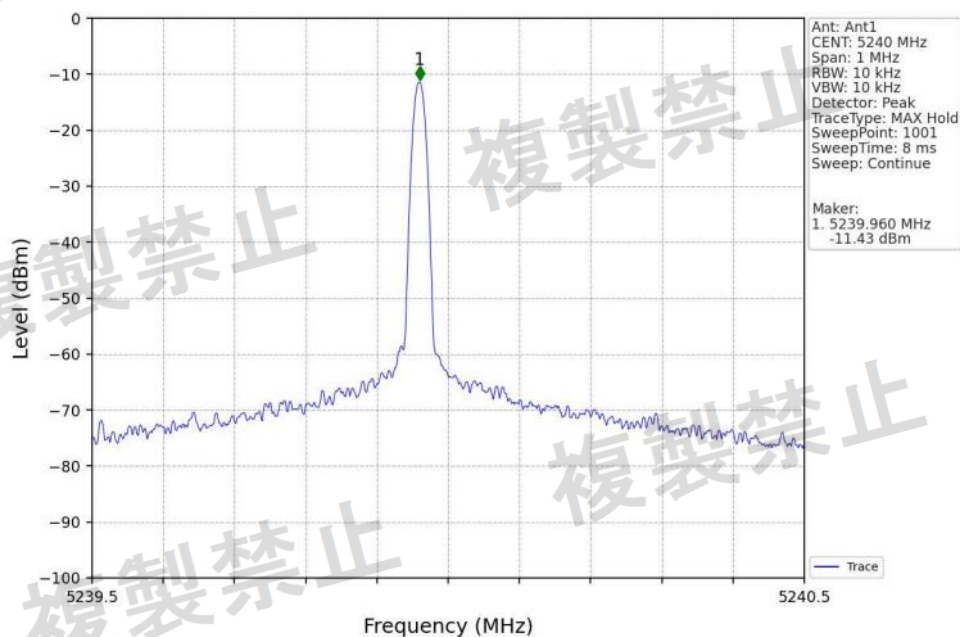
Carrier Wave_LCH_5180MHz_Ant1_NTLV



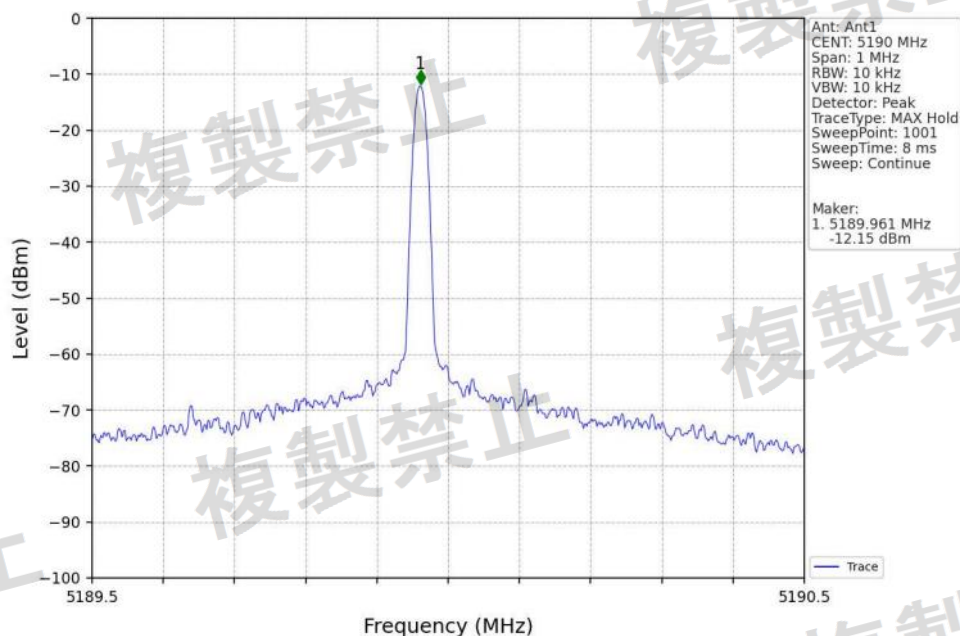
Carrier Wave_MCH_5200MHz_Ant1_NTLV



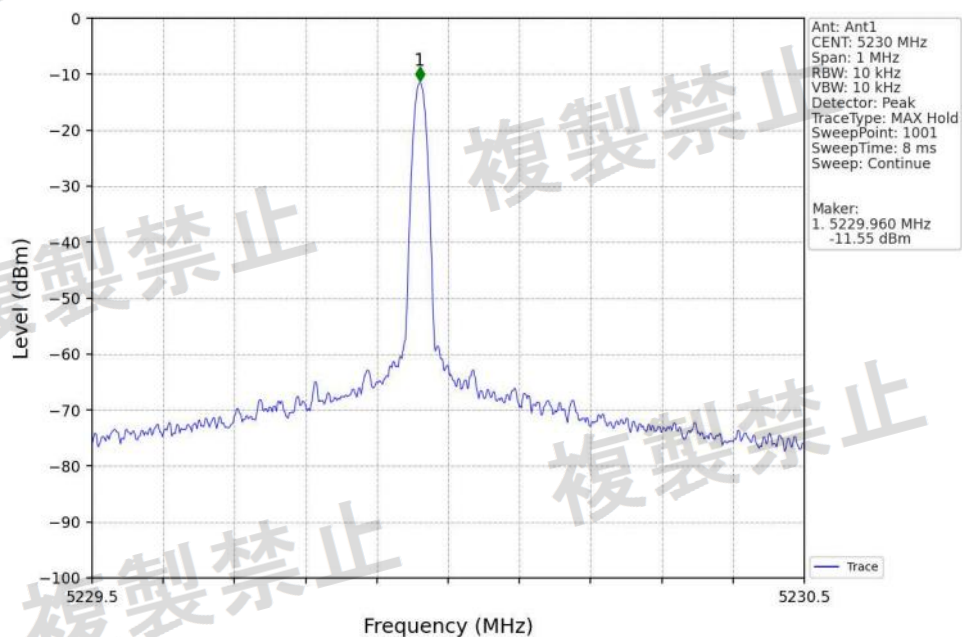
Carrier Wave_HCH_5240MHz_Ant1_NTLV



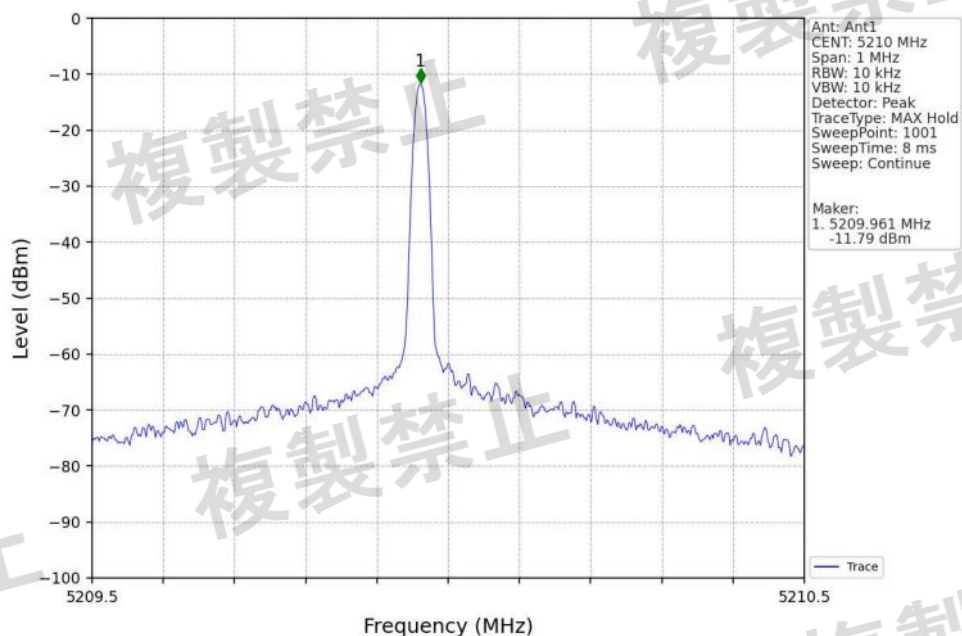
Carrier Wave_LCH_5190MHz_Ant1_NTLV



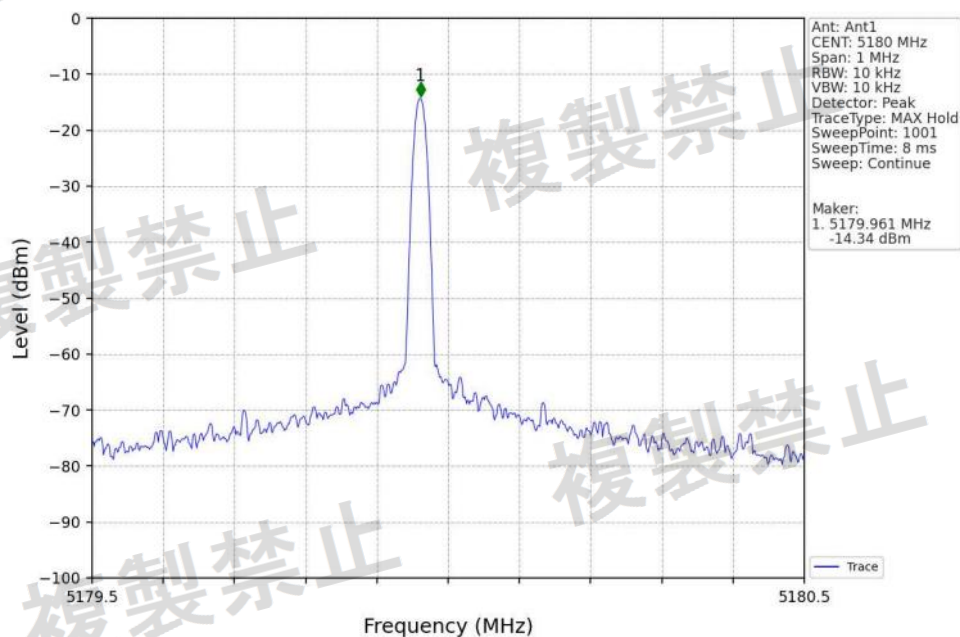
Carrier Wave_HCH_5230MHz_Ant1_NTLV



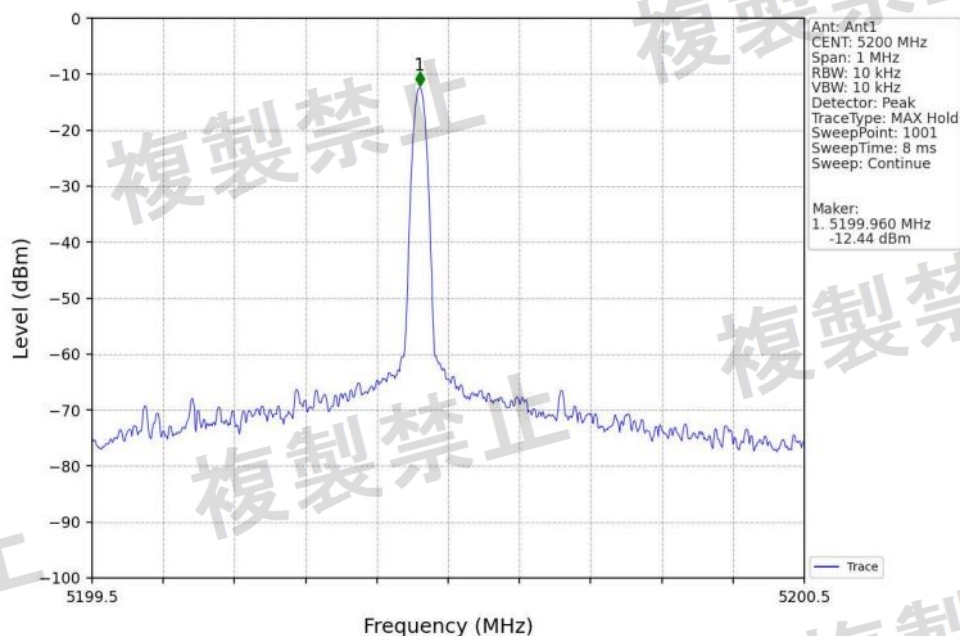
Carrier Wave_MCH_5210MHz_Ant1_NTLV



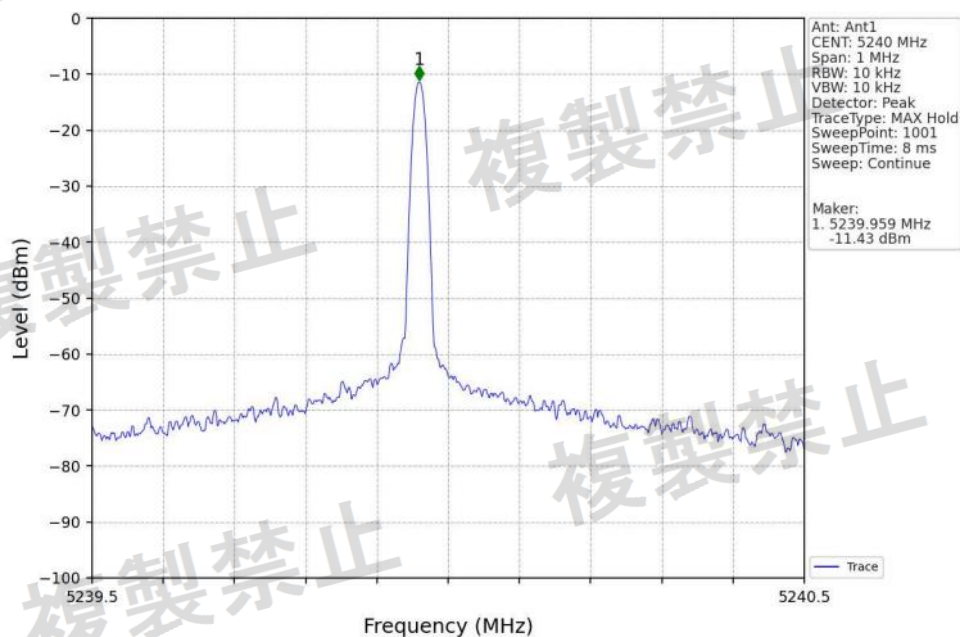
Carrier Wave_LCH_5180MHz_Ant1_NTHV



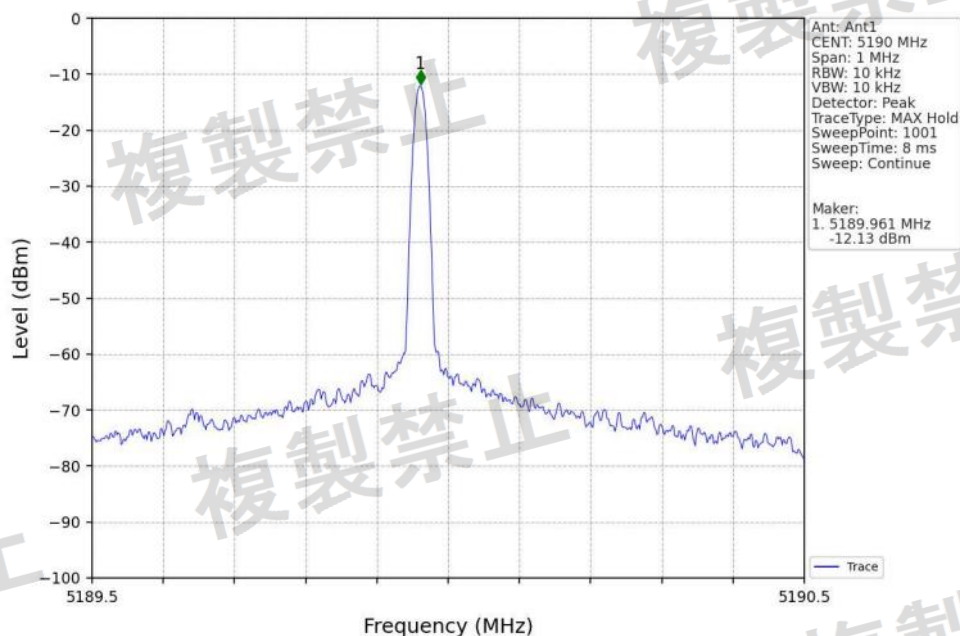
Carrier Wave_MCH_5200MHz_Ant1_NTHV

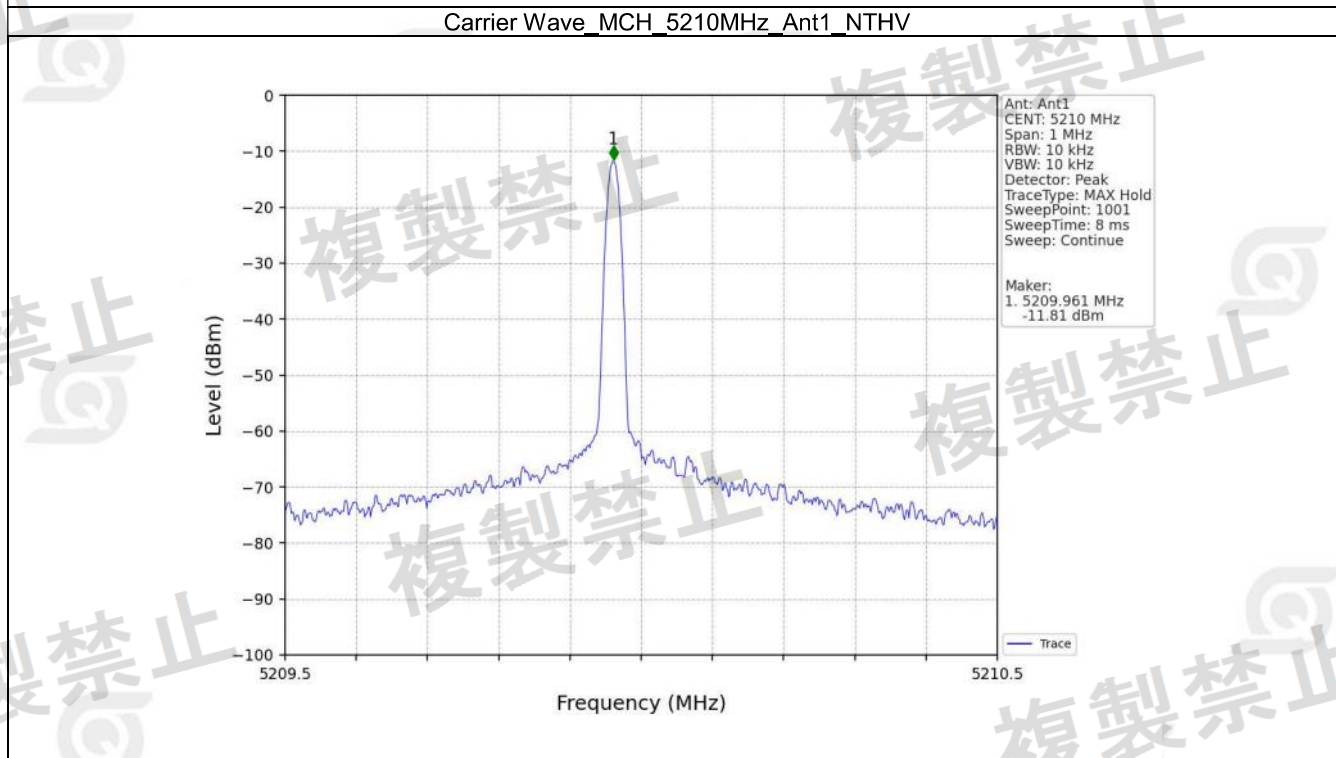
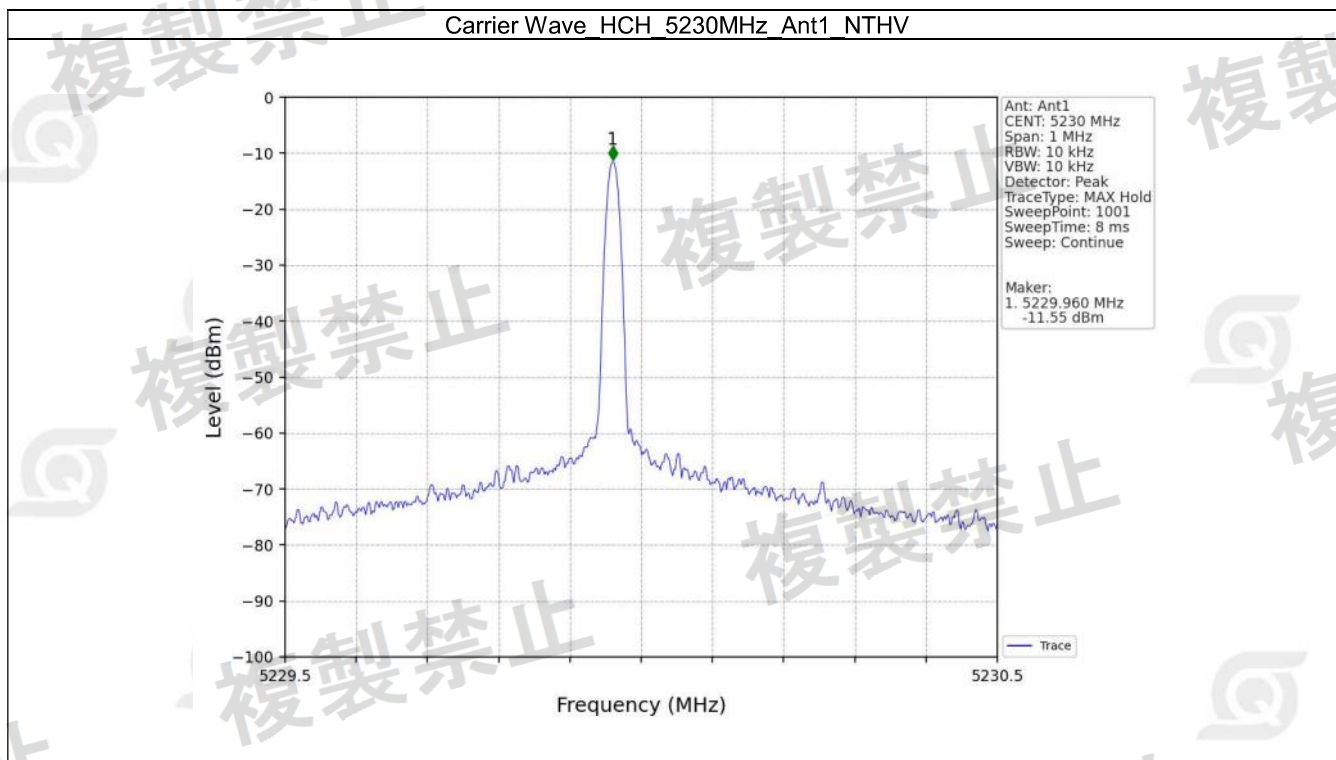


Carrier Wave HCH 5240MHz_Ant1_NTHV



Carrier Wave LCH 5190MHz_Ant1_NTHV





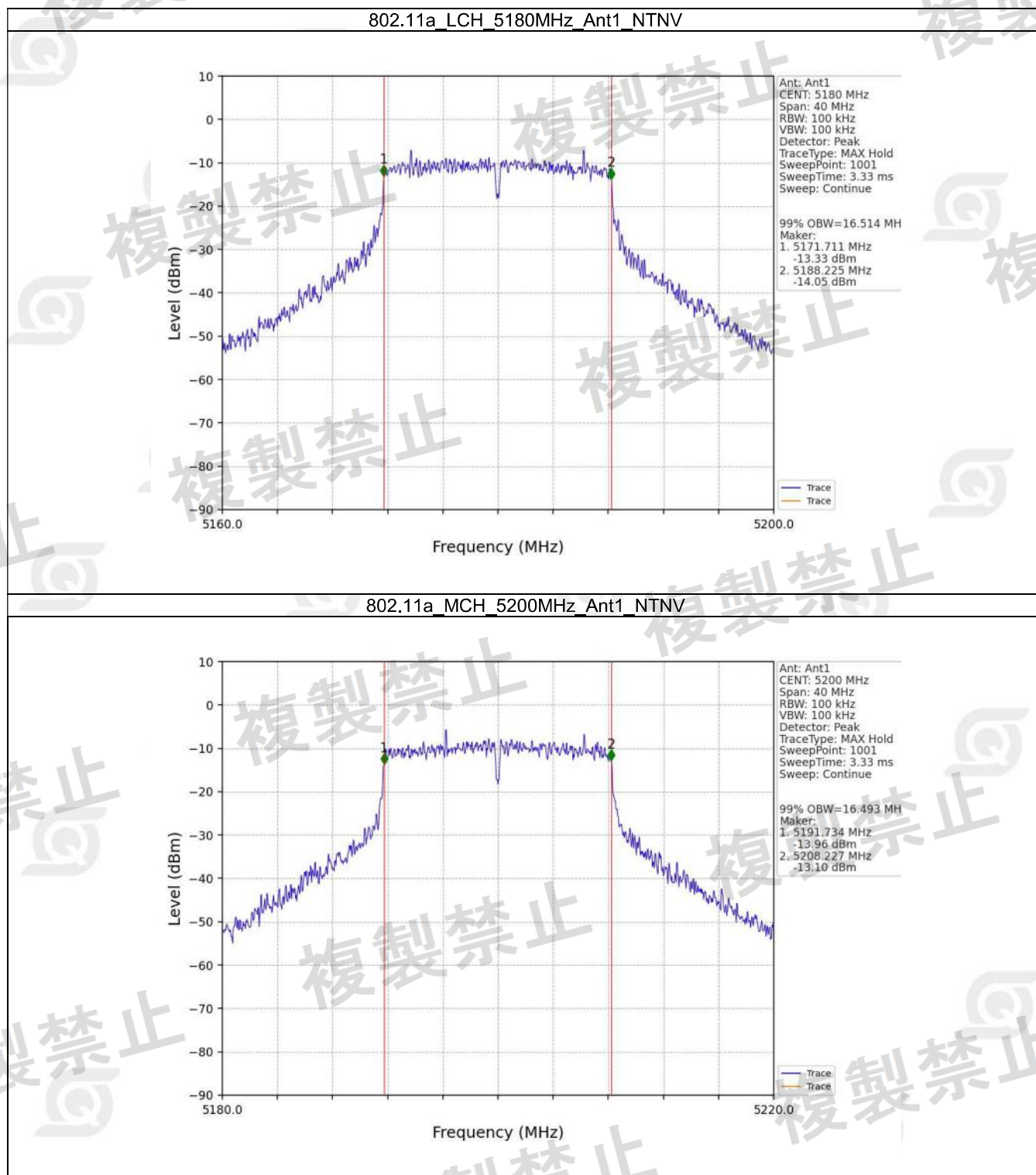
2. Occupied Bandwidth

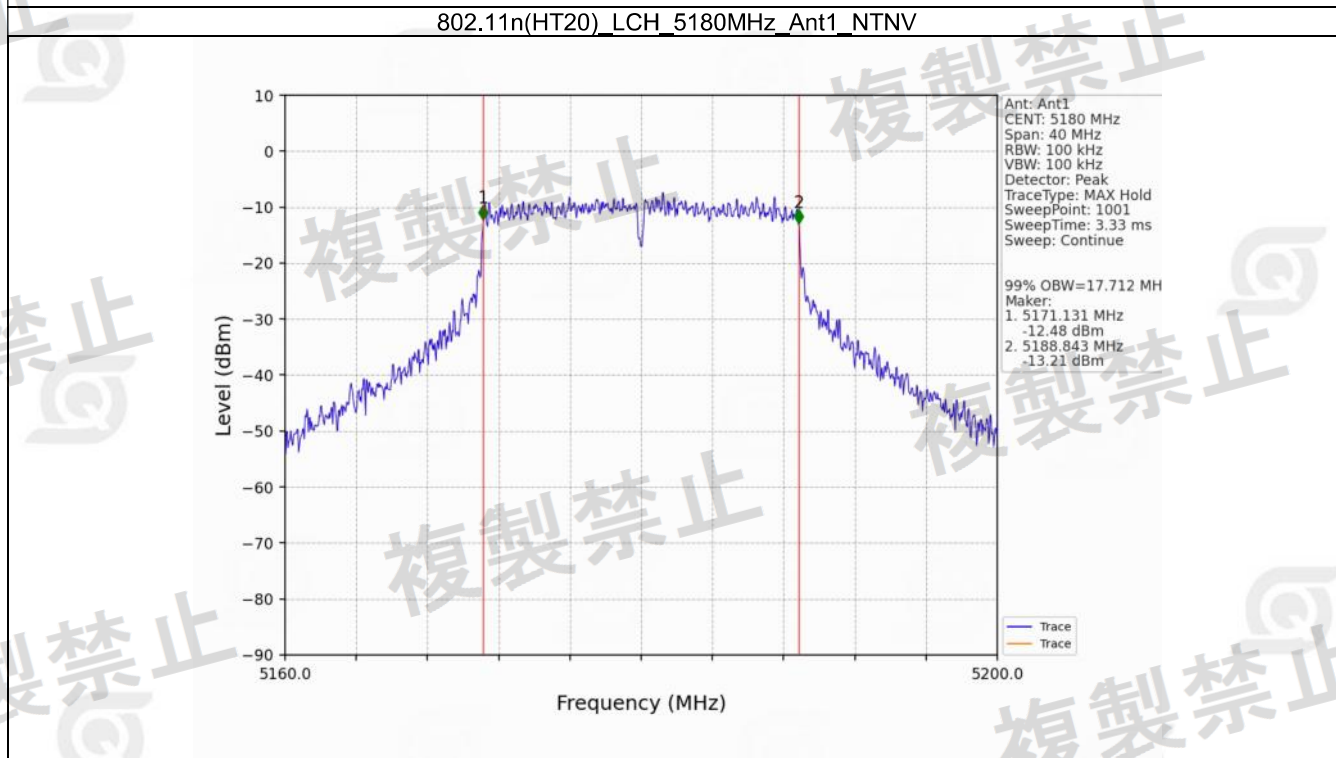
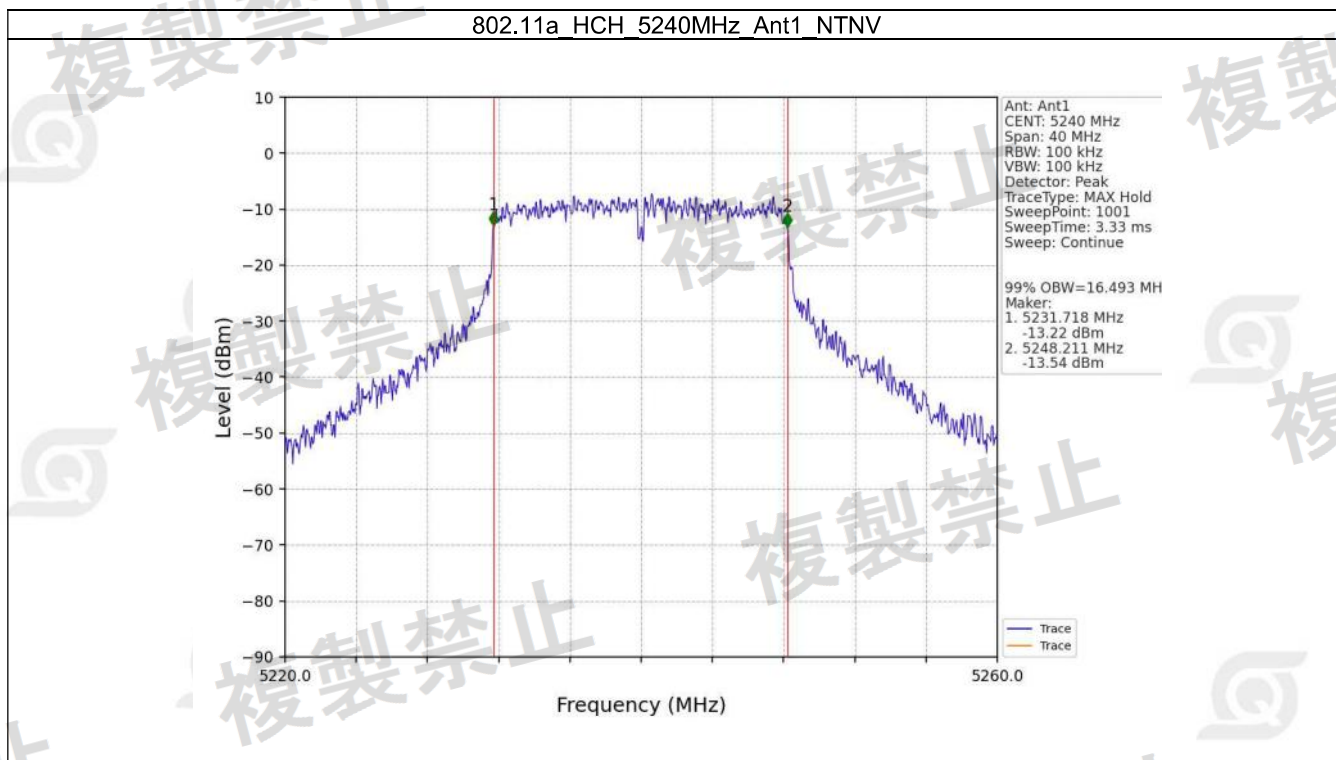
2.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)		Verdict
						ANT1	Limit	
NTNV	802.11a	SISO	5180	/	/	16.514	<=20	Pass
			5200	/	/	16.493	<=20	Pass
			5240	/	/	16.493	<=20	Pass
	802.11n (HT20)	SISO	5180	/	/	17.712	<=20	Pass
			5200	/	/	17.687	<=20	Pass
			5240	/	/	17.715	<=20	Pass
	802.11n (HT40)	SISO	5190	/	/	36.283	<=40	Pass
			5230	/	/	36.318	<=40	Pass
	802.11ac (VHT20)	SISO	5180	/	/	17.714	<=20	Pass
			5200	/	/	17.701	<=20	Pass
			5240	/	/	17.685	<=20	Pass
	802.11ac (VHT40)	SISO	5190	/	/	36.150	<=40	Pass
			5230	/	/	36.213	<=40	Pass
	802.11ac (VHT80)	SISO	5210	/	/	75.647	<=80	Pass
	802.11ax (HEW20)	SISO	5180	SU	/	19.009	<=20	Pass
			5200	SU	/	18.949	<=20	Pass
			5240	SU	/	18.974	<=20	Pass
	802.11ax (HEW40)	SISO	5190	SU	/	37.798	<=40	Pass
			5230	SU	/	37.709	<=40	Pass
	802.11ax (HEW80)	SISO	5210	SU	/	77.348	<=80	Pass
NTLV	802.11a	SISO	5180	/	/	16.487	<=20	Pass
			5200	/	/	16.483	<=20	Pass
			5240	/	/	16.497	<=20	Pass
	802.11n (HT20)	SISO	5180	/	/	17.718	<=20	Pass
			5200	/	/	17.691	<=20	Pass
			5240	/	/	17.692	<=20	Pass
	802.11n (HT40)	SISO	5190	/	/	36.222	<=40	Pass
			5230	/	/	36.237	<=40	Pass
	802.11ac (VHT20)	SISO	5180	/	/	17.699	<=20	Pass
			5200	/	/	17.698	<=20	Pass
			5240	/	/	17.698	<=20	Pass
	802.11ac (VHT40)	SISO	5190	/	/	36.251	<=40	Pass
			5230	/	/	36.299	<=40	Pass
	802.11ac (VHT80)	SISO	5210	/	/	75.730	<=80	Pass
	802.11ax (HEW20)	SISO	5180	SU	/	19.001	<=20	Pass
			5200	SU	/	18.973	<=20	Pass
			5240	SU	/	18.957	<=20	Pass
	802.11ax (HEW40)	SISO	5190	SU	/	37.789	<=40	Pass
			5230	SU	/	37.683	<=40	Pass
	802.11ax (HEW80)	SISO	5210	SU	/	77.239	<=80	Pass
NTHV	802.11a	SISO	5180	/	/	16.510	<=20	Pass
			5200	/	/	16.459	<=20	Pass
			5240	/	/	16.494	<=20	Pass
	802.11n (HT20)	SISO	5180	/	/	17.714	<=20	Pass
			5200	/	/	17.677	<=20	Pass
			5240	/	/	17.688	<=20	Pass
	802.11n (HT40)	SISO	5190	/	/	36.202	<=40	Pass
			5230	/	/	36.371	<=40	Pass
	802.11ac (VHT20)	SISO	5180	/	/	17.725	<=20	Pass
			5200	/	/	17.679	<=20	Pass
			5240	/	/	17.703	<=20	Pass

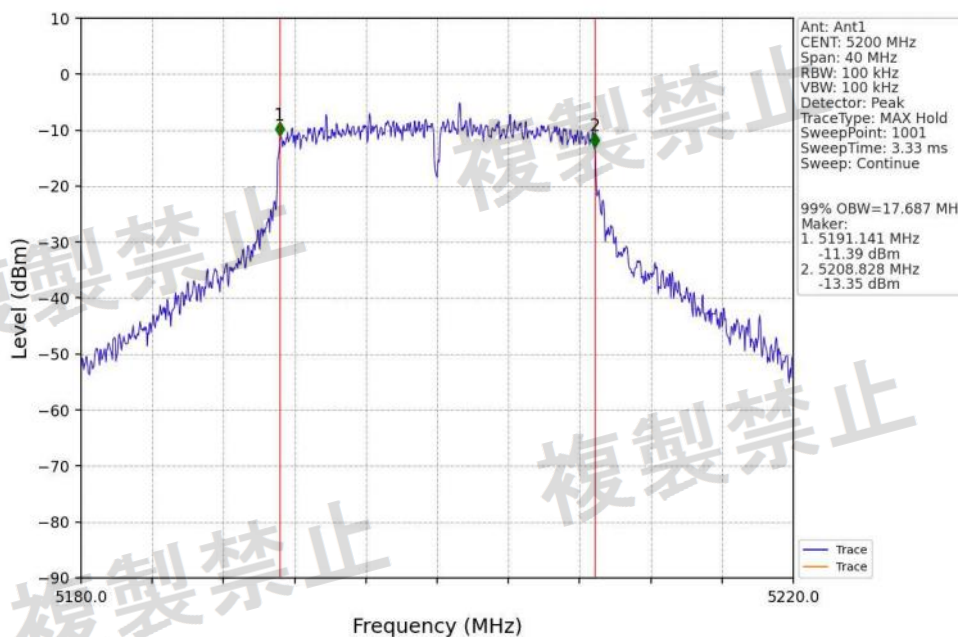
	802.11ac (VHT40)	SISO	5190	/	/	36.265	<=40	Pass
			5230	/	/	36.240	<=40	Pass
	802.11ac (VHT80)	SISO	5210	/	/	75.706	<=80	Pass
			5180	SU	/	19.096	<=20	Pass
	802.11ax (HEW20)	SISO	5200	SU	/	18.990	<=20	Pass
			5240	SU	/	18.996	<=20	Pass
			5190	SU	/	37.752	<=40	Pass
	802.11ax (HEW40)	SISO	5230	SU	/	37.772	<=40	Pass
			5210	SU	/	77.379	<=80	Pass
	802.11ax (HEW80)	SISO	5210	SU	/	77.379	<=80	Pass
			5210	SU	/	77.379	<=80	Pass
	802.11ax (HEW80)	SISO	5210	SU	/	77.379	<=80	Pass
			5210	SU	/	77.379	<=80	Pass

2.2 Test Graph

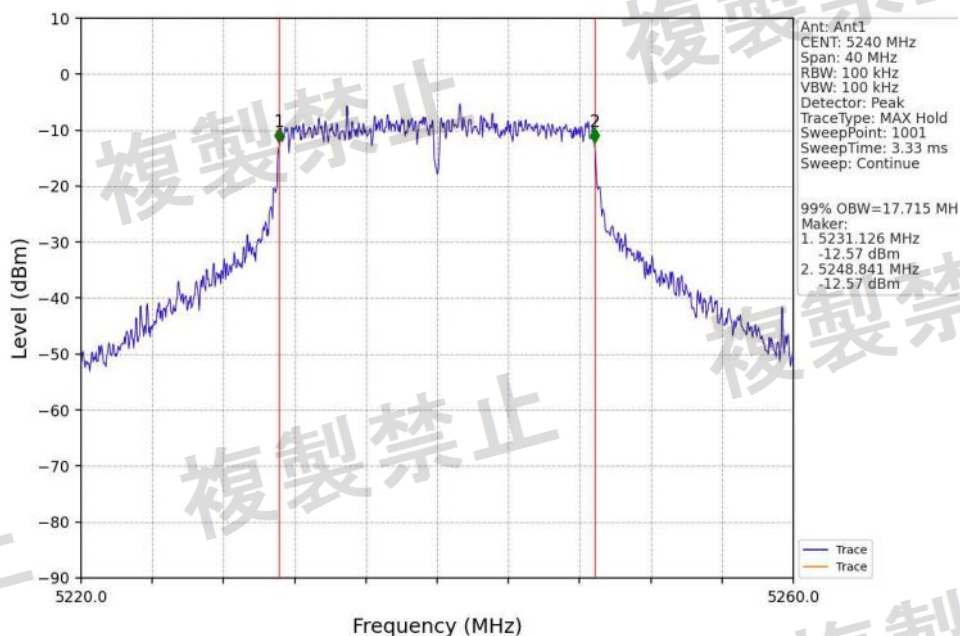


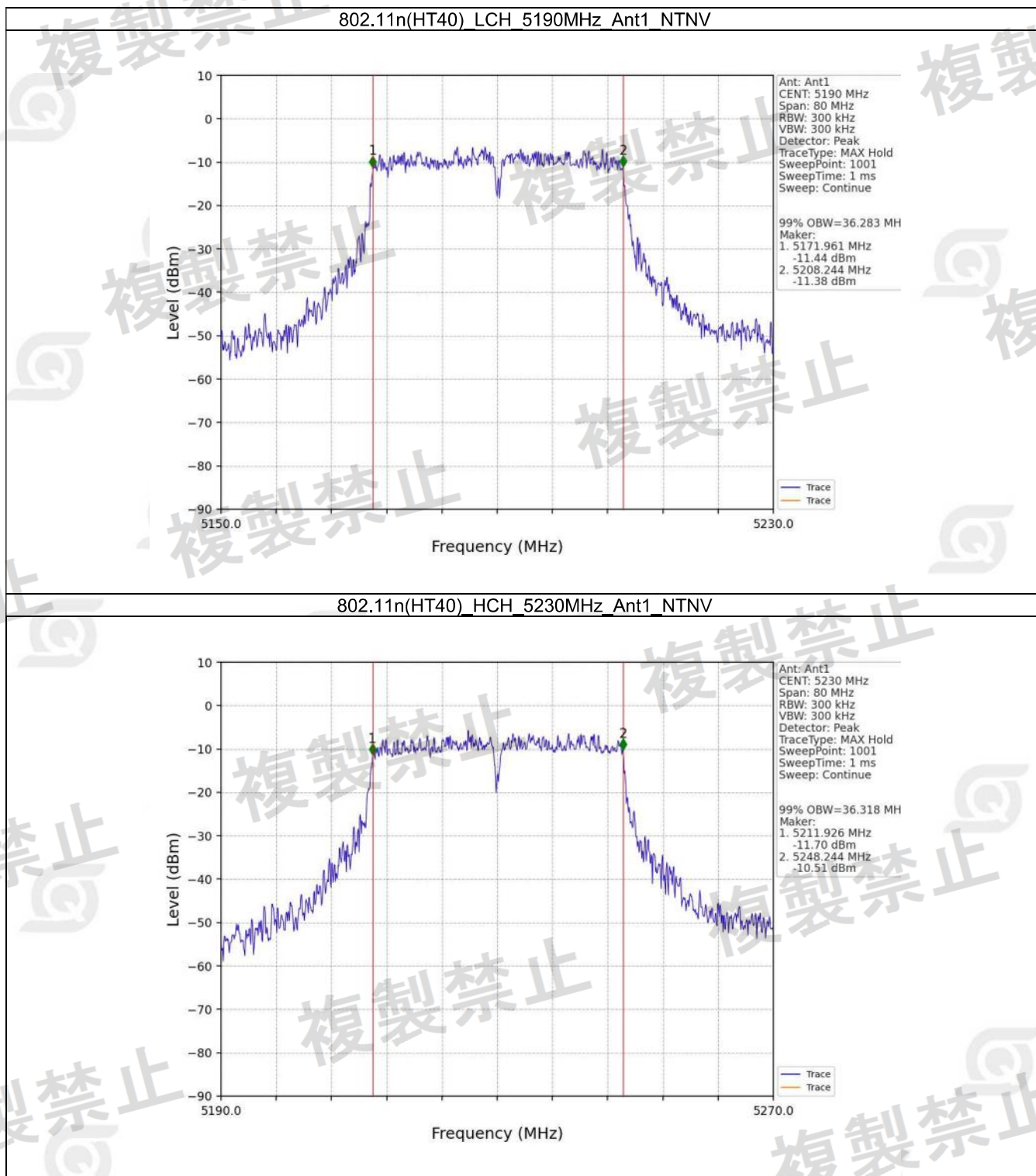


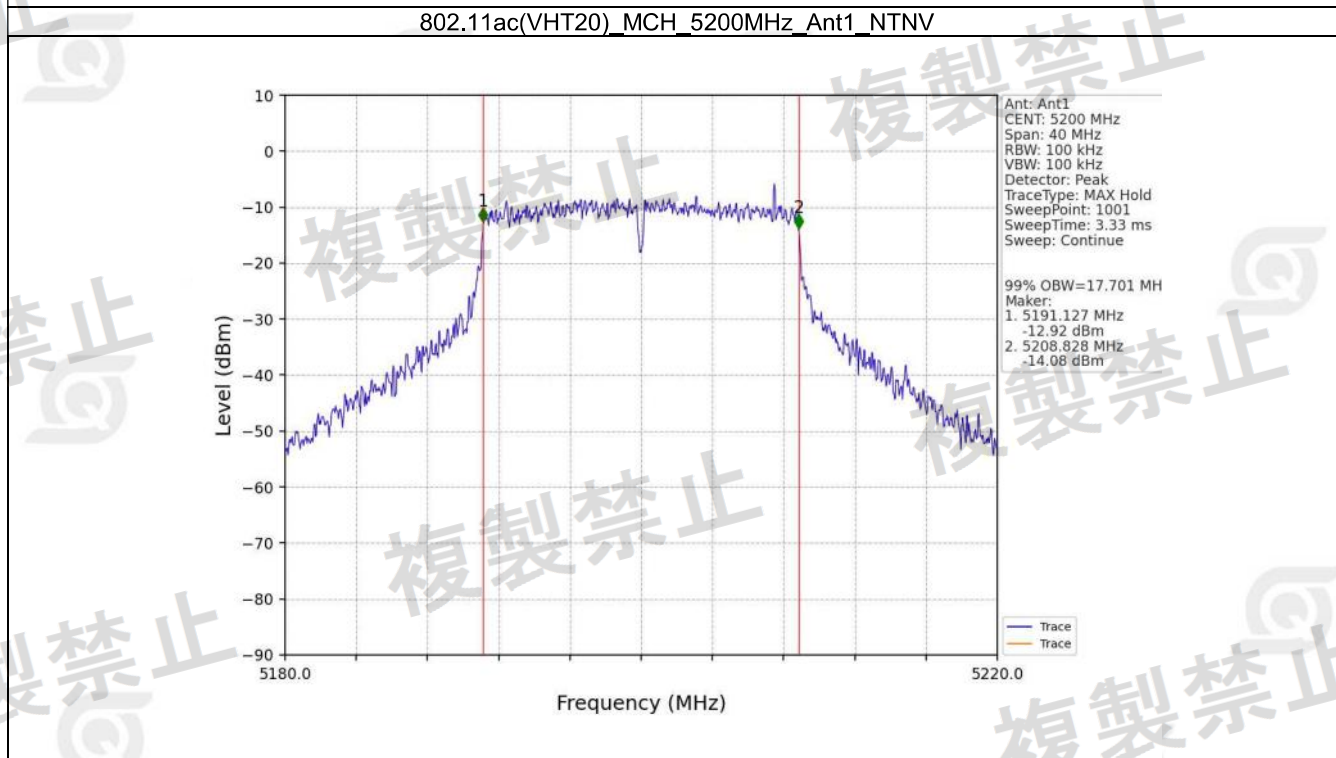
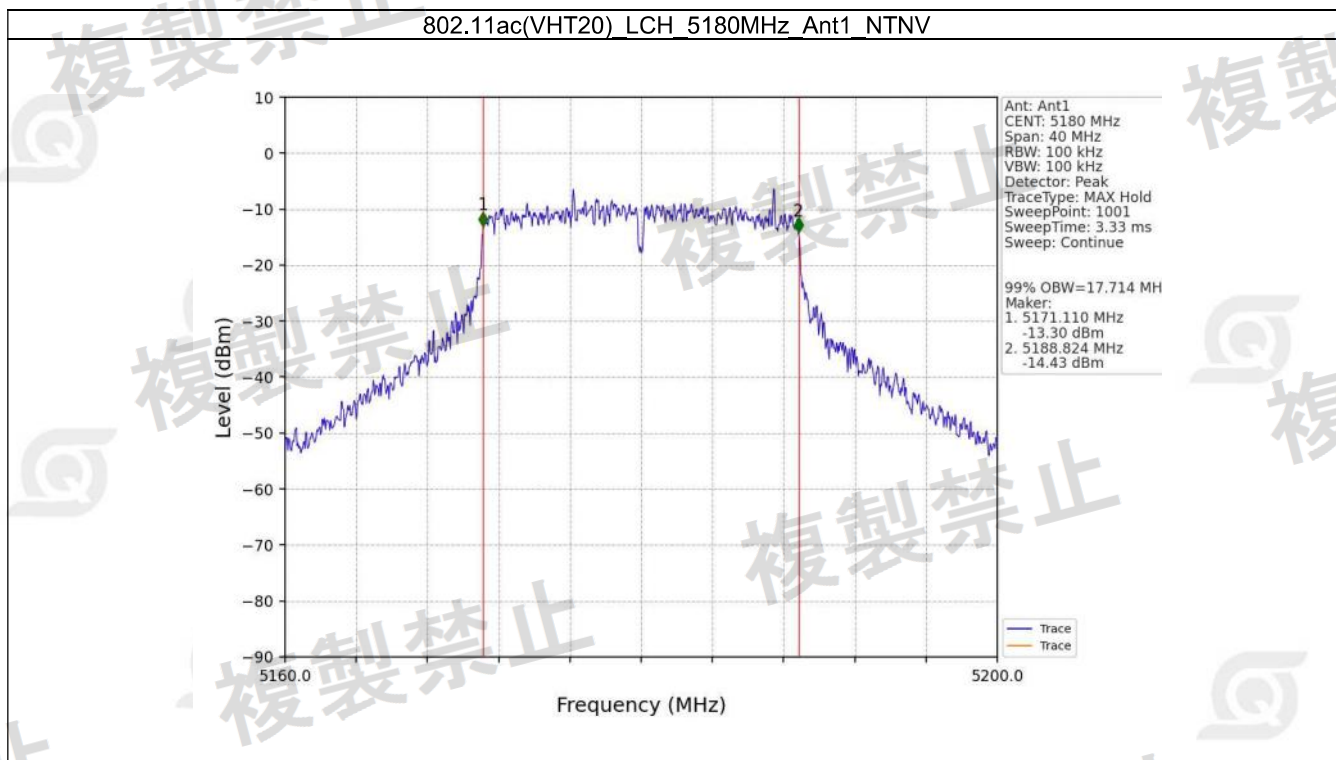
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

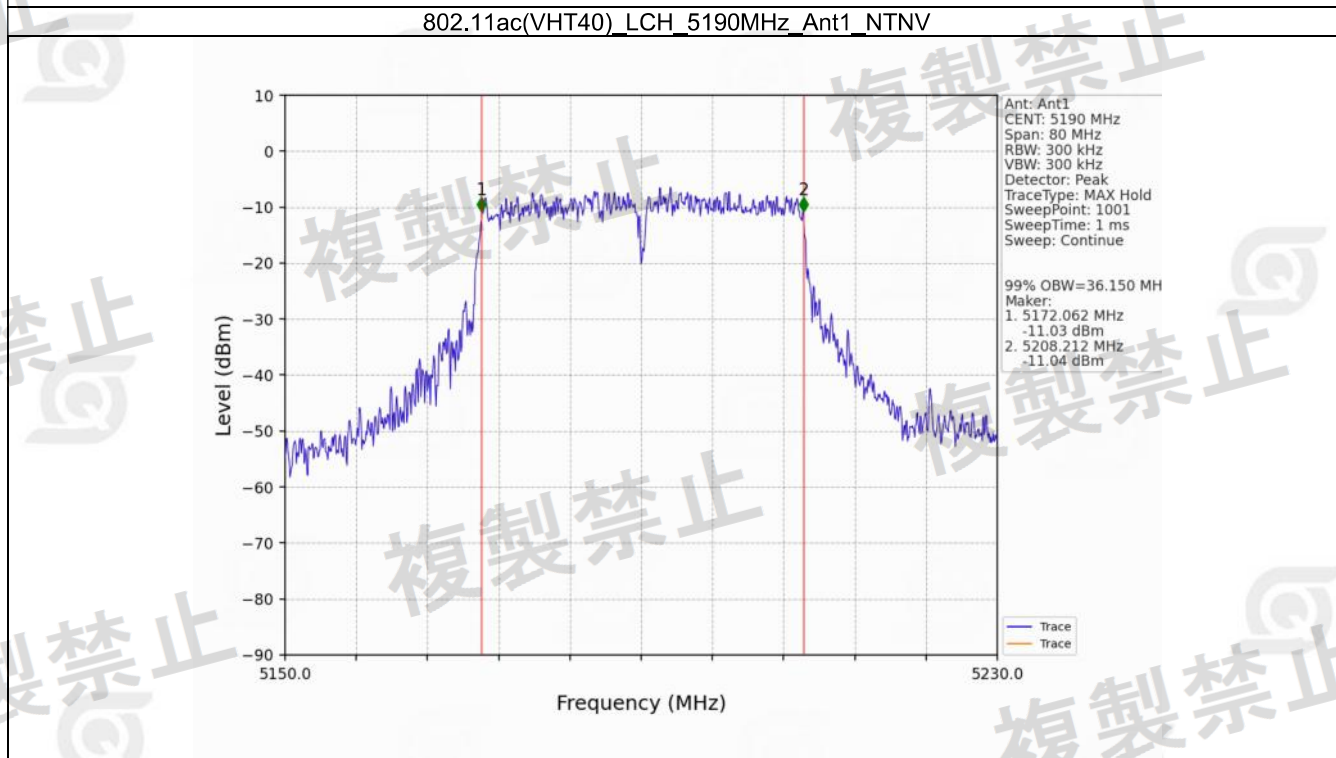
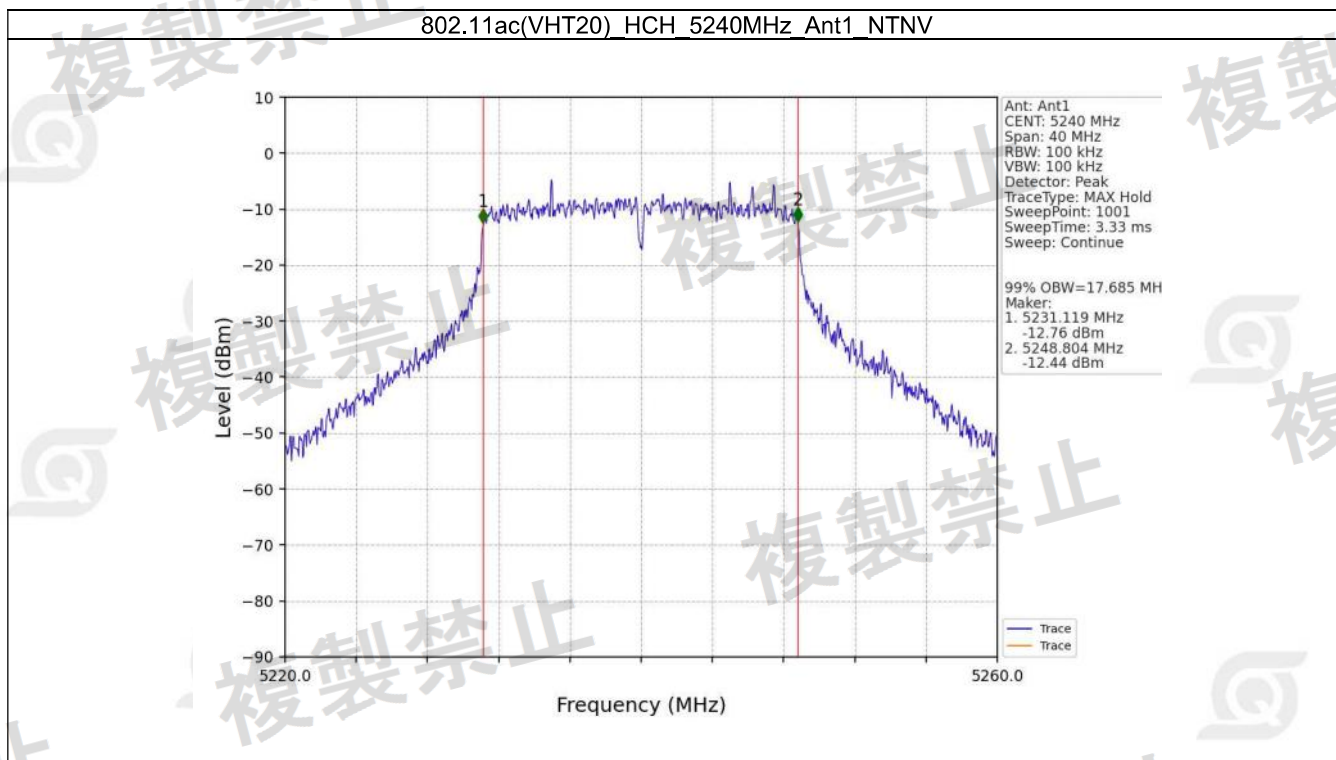


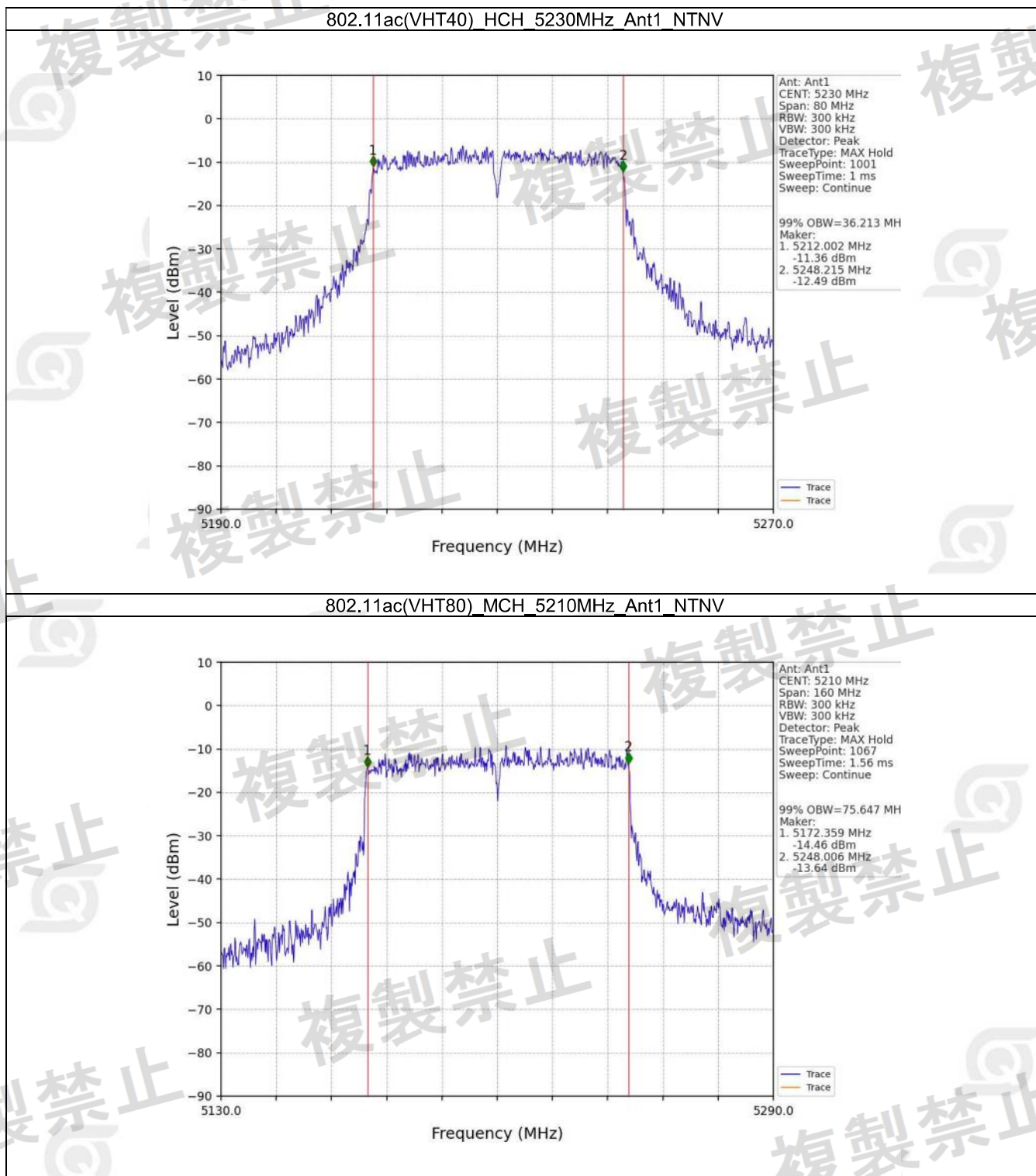
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

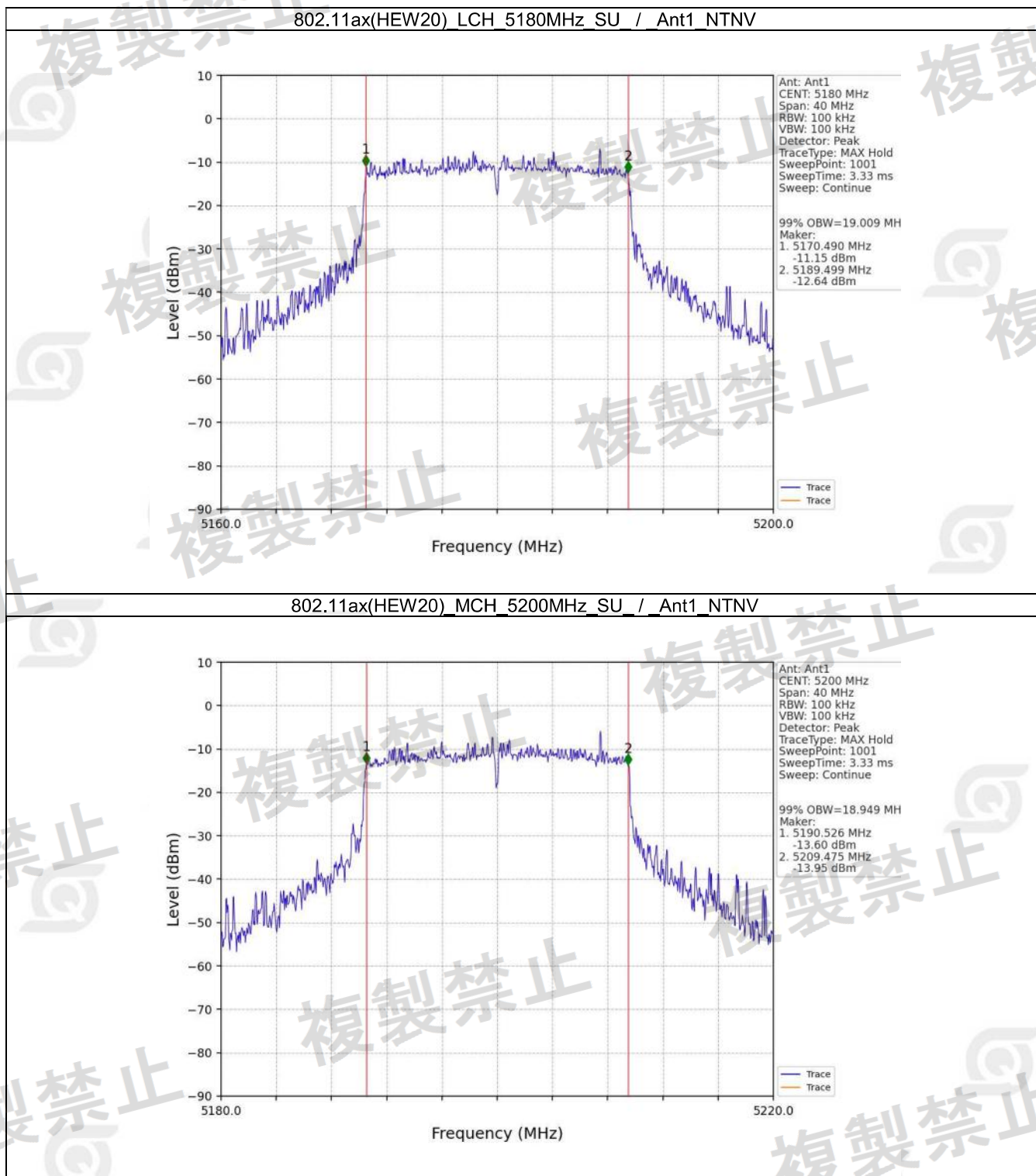


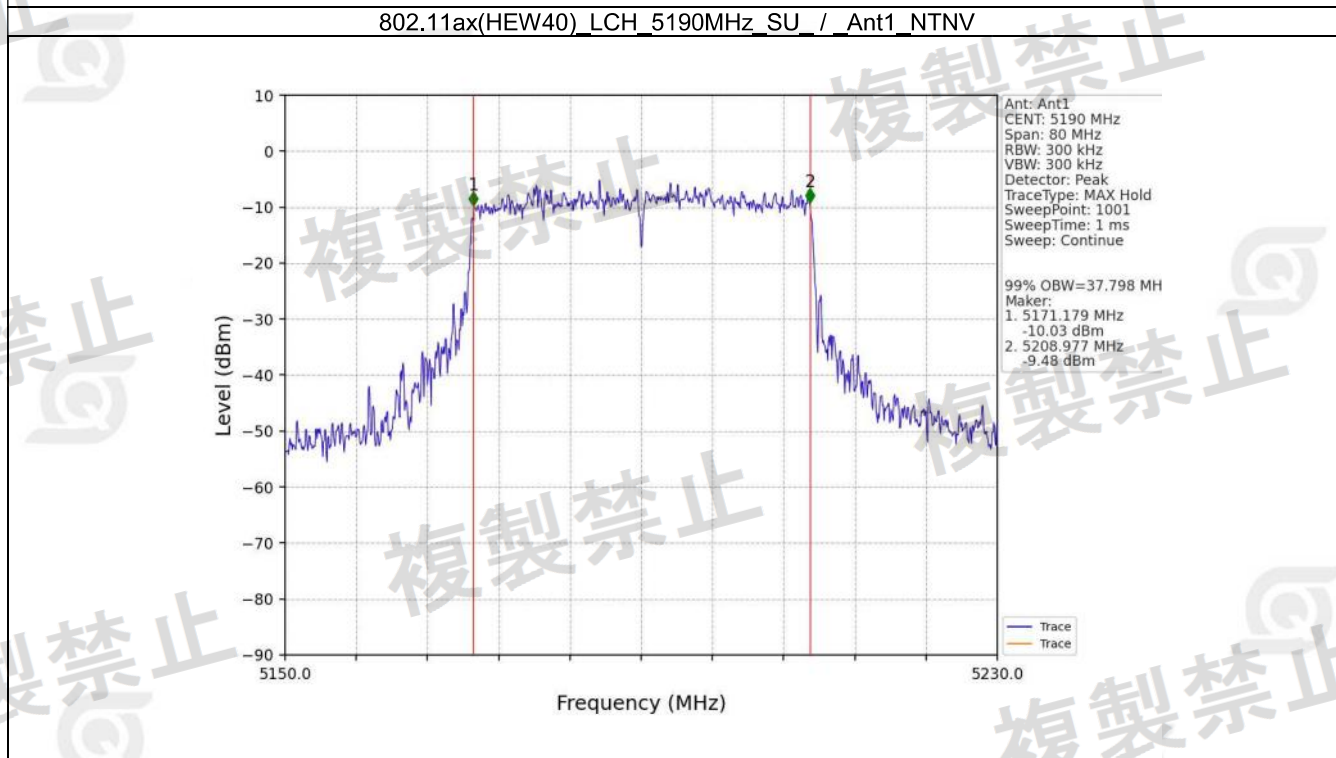
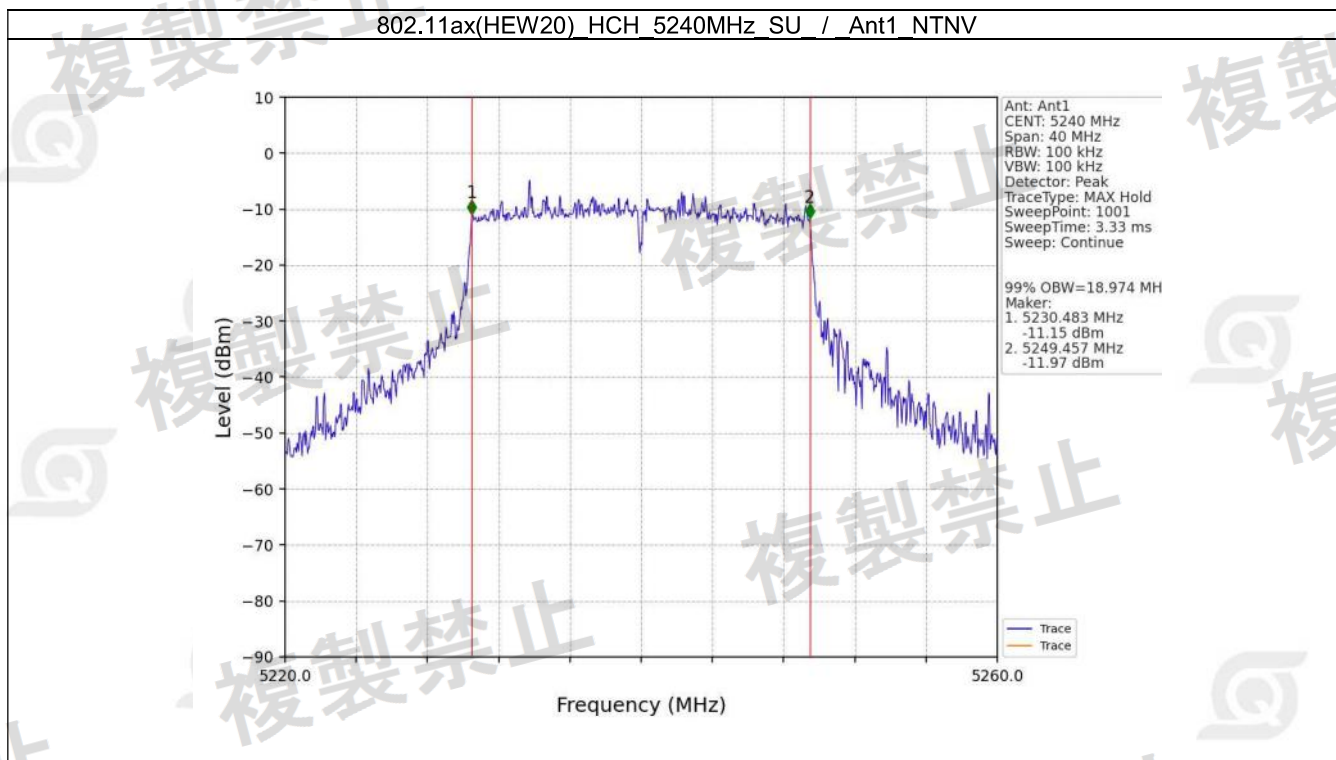


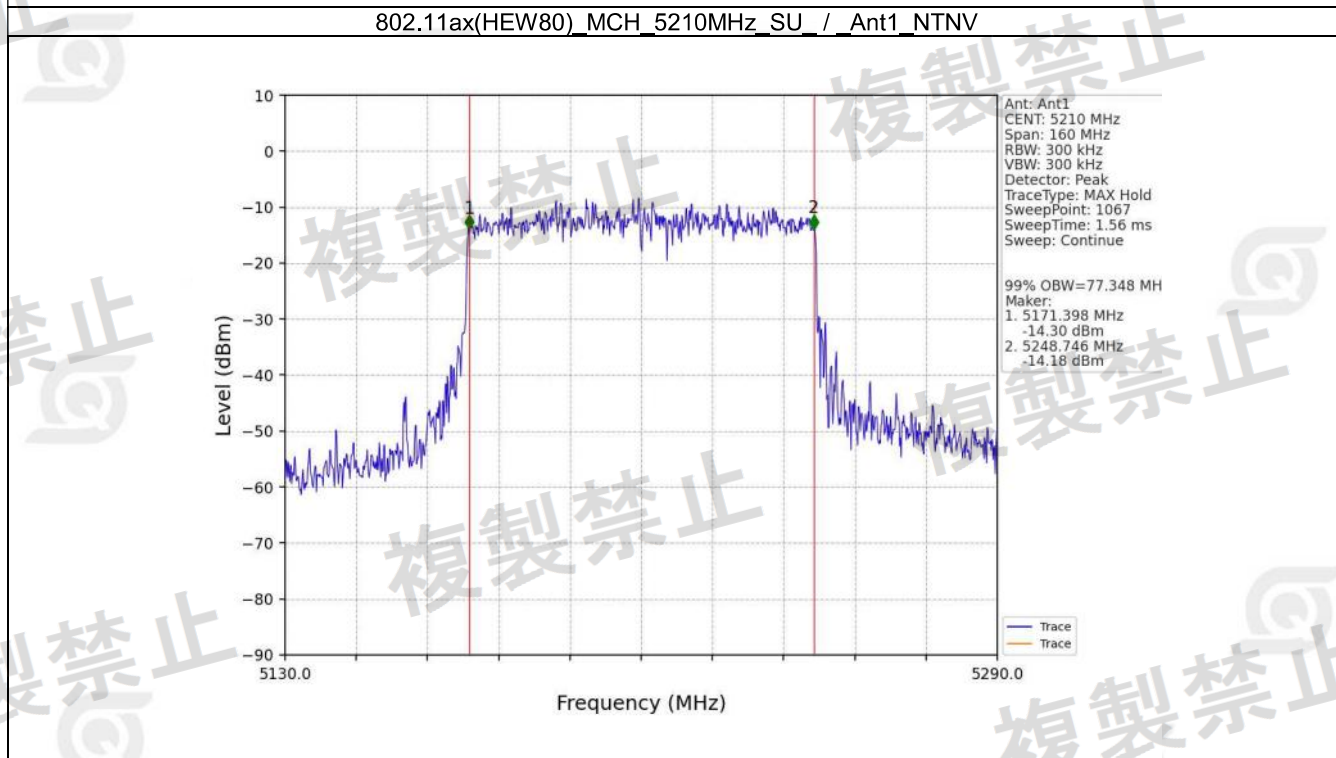
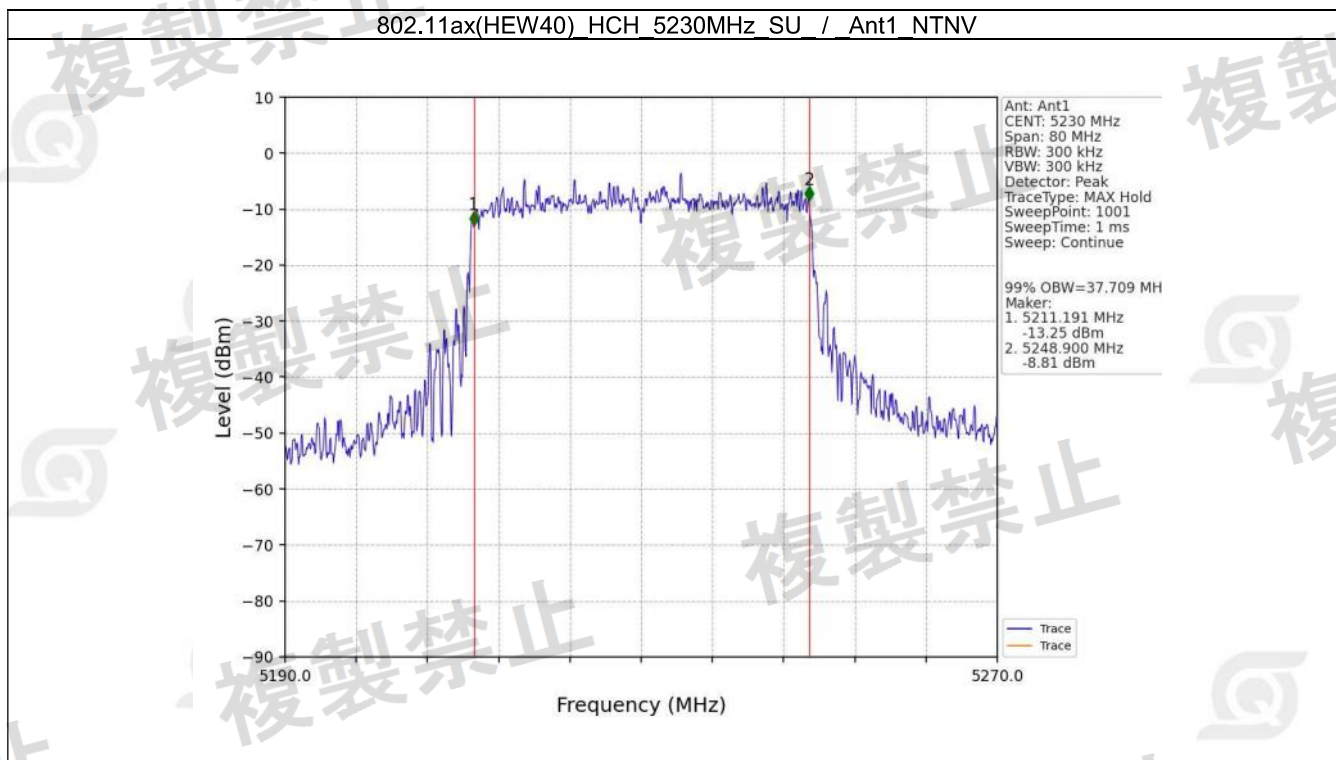


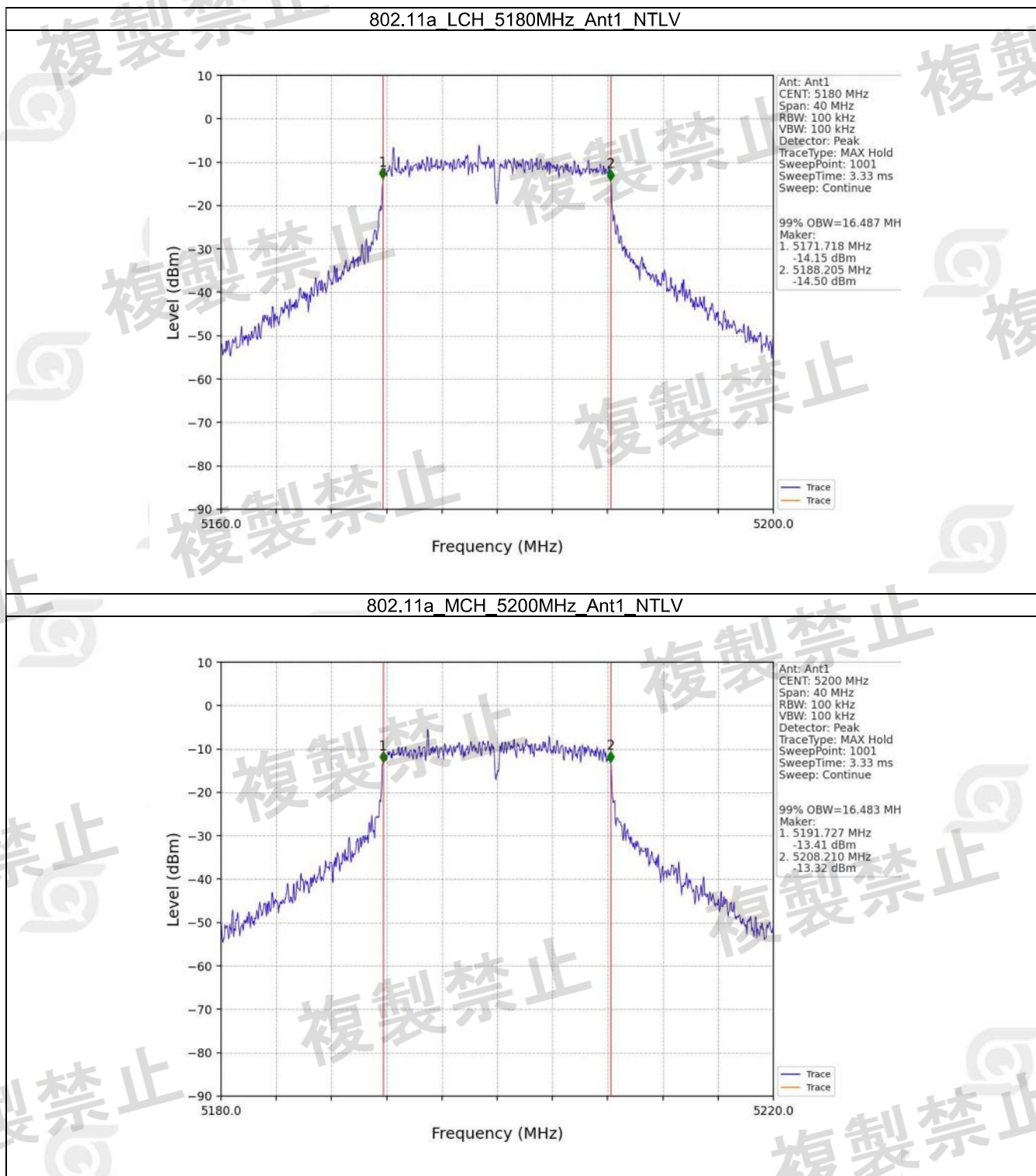


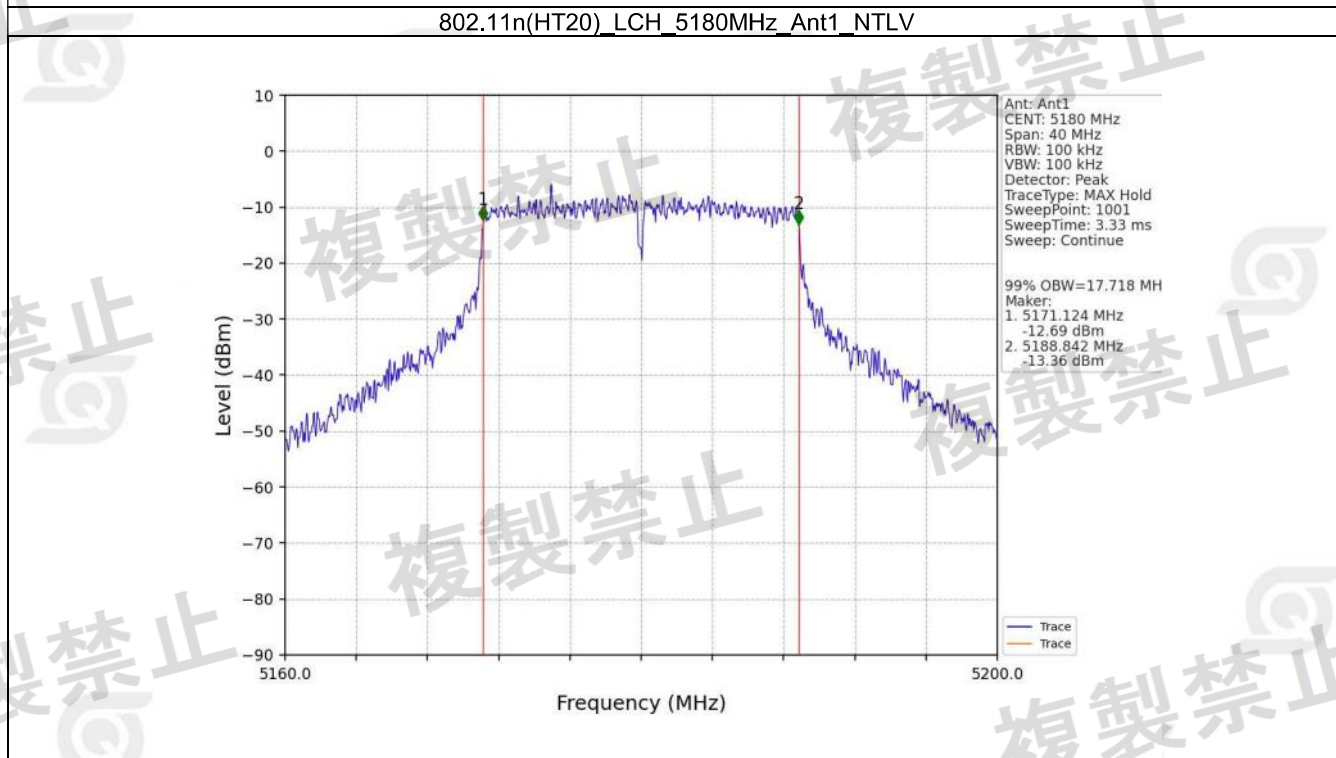
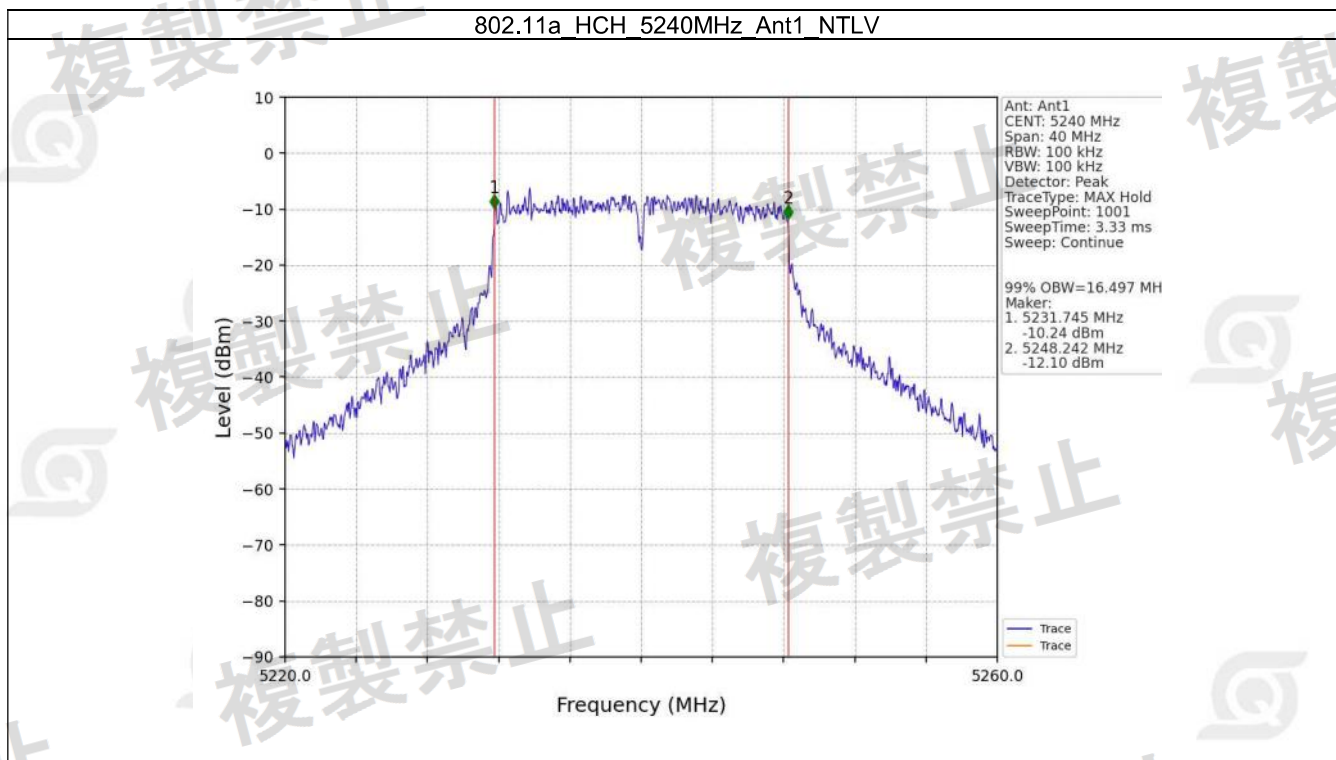


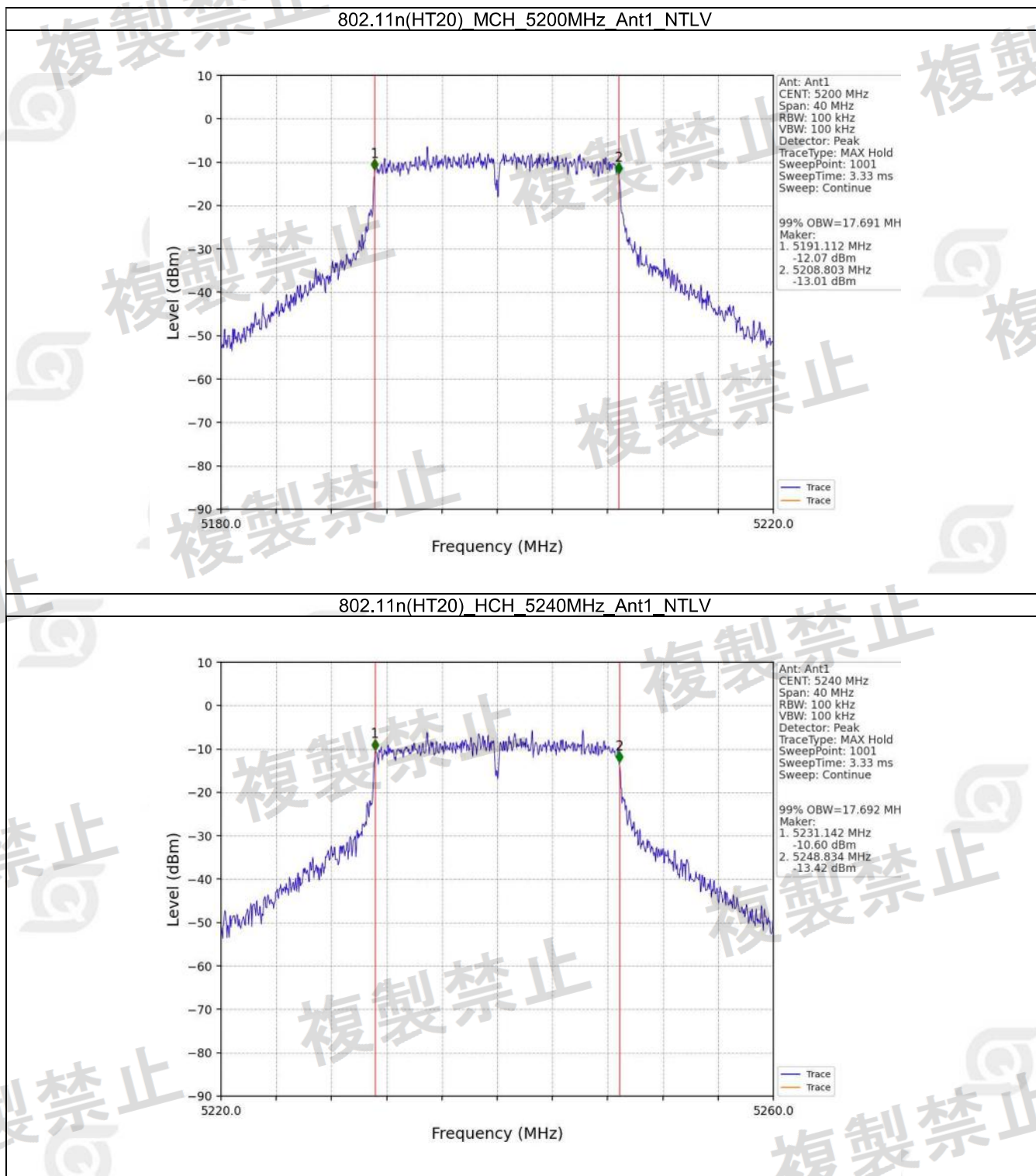




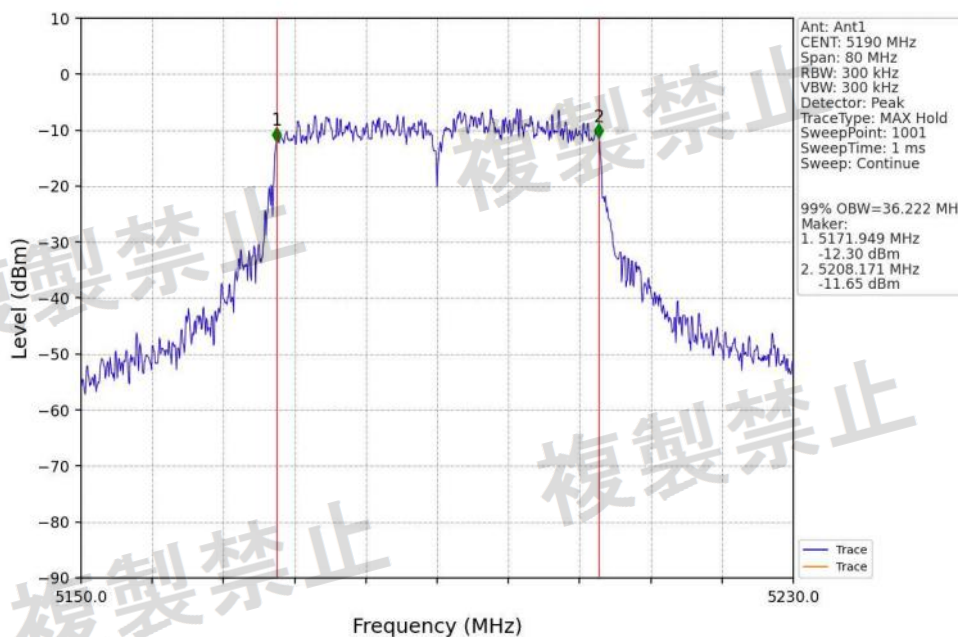




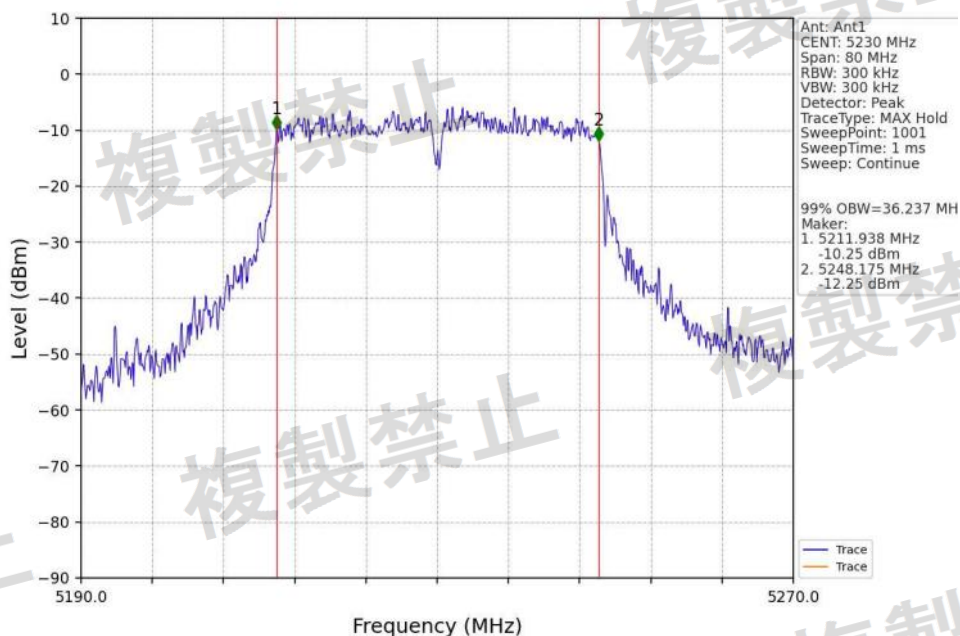


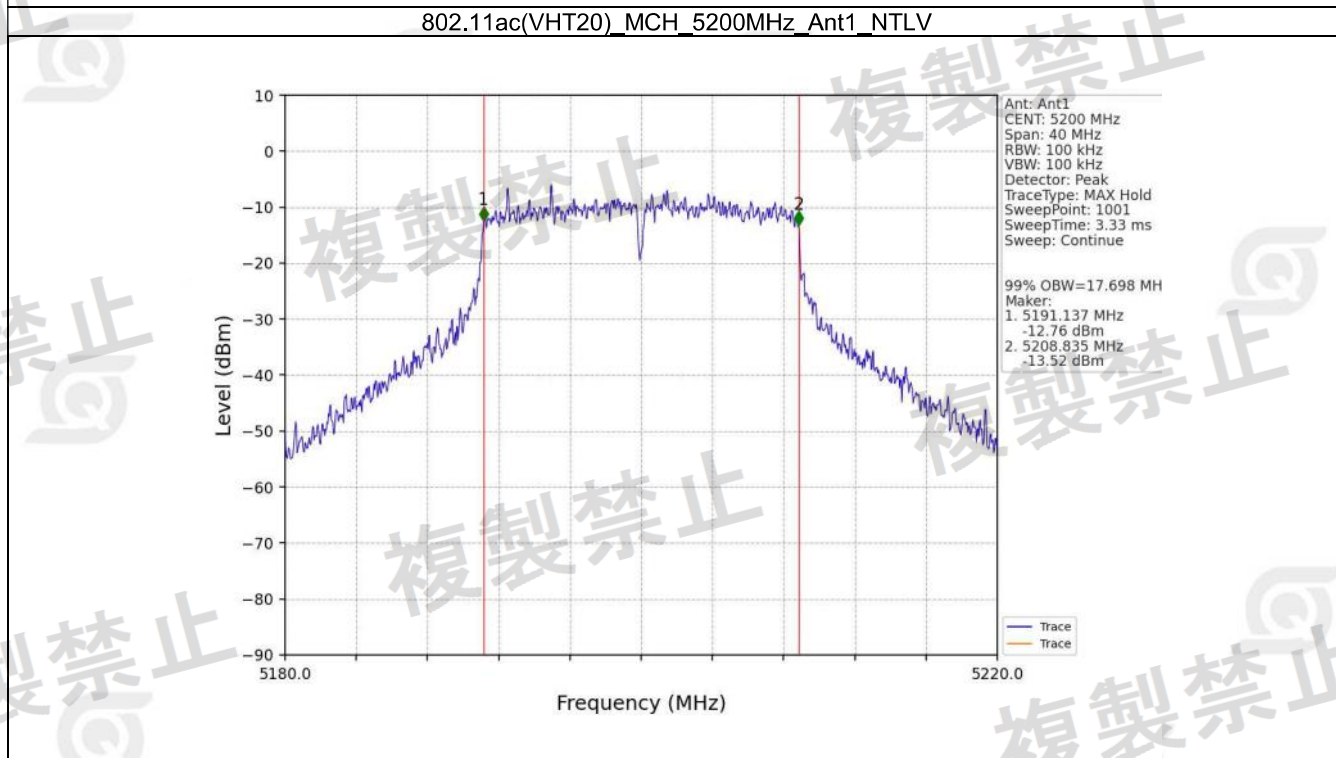
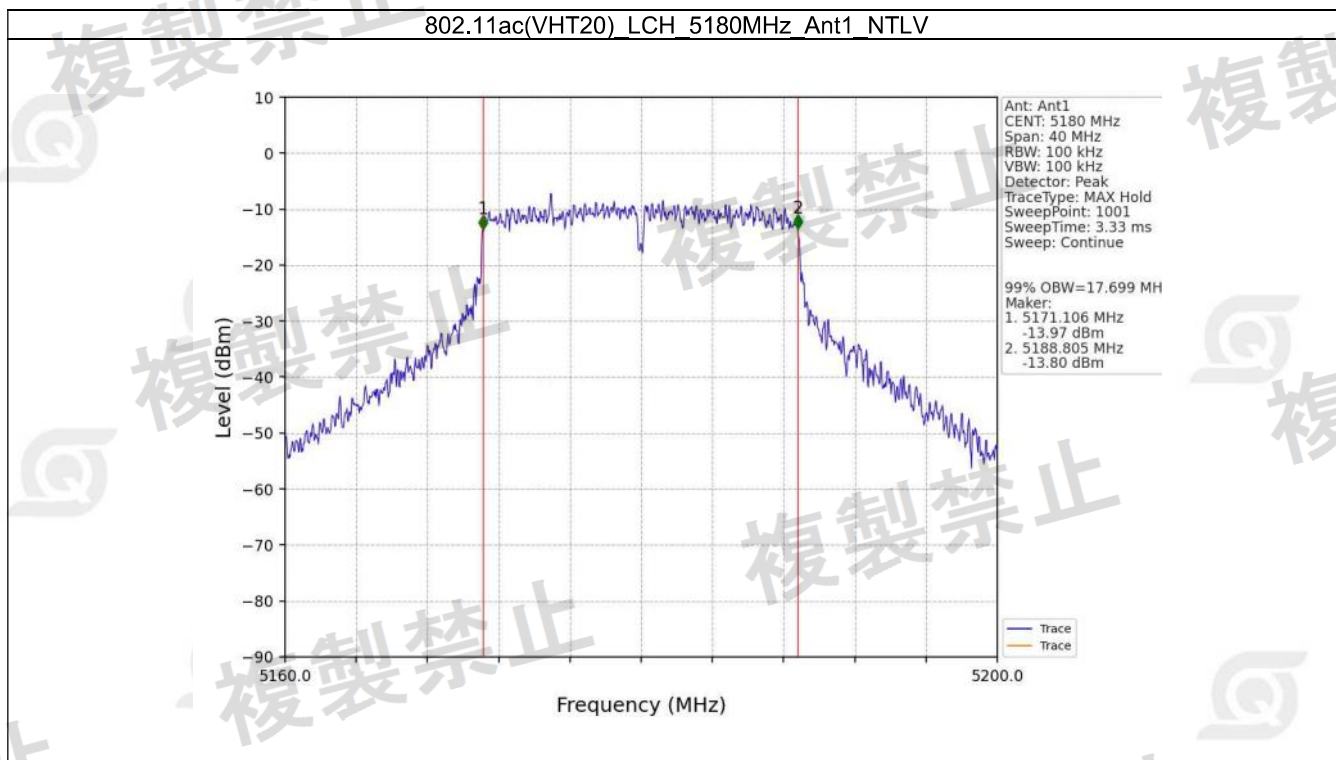


802.11n(HT40) LCH 5190MHz Ant1 NTLV

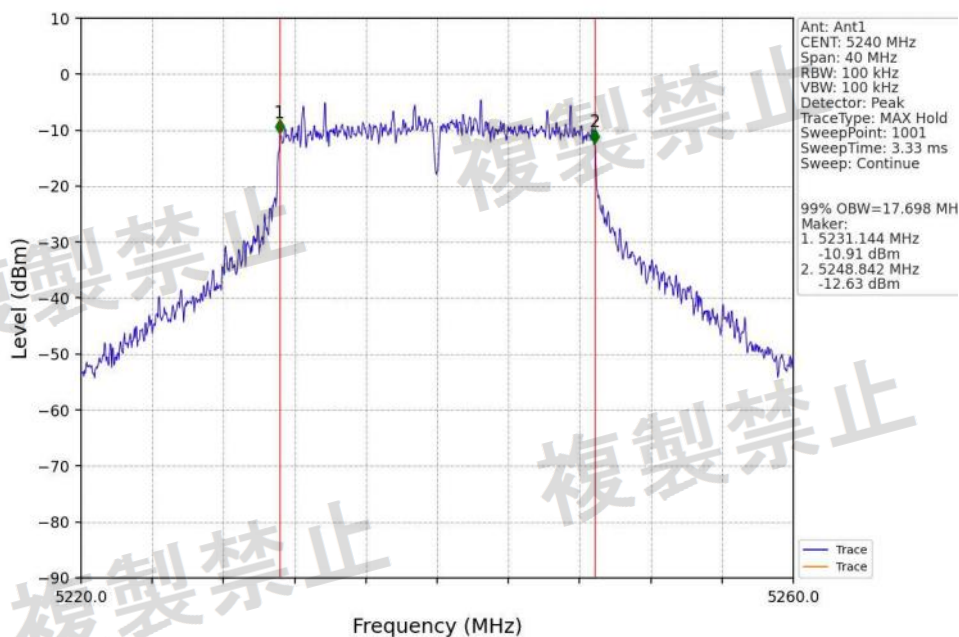


802.11n(HT40) HCH 5230MHz Ant1 NTLV

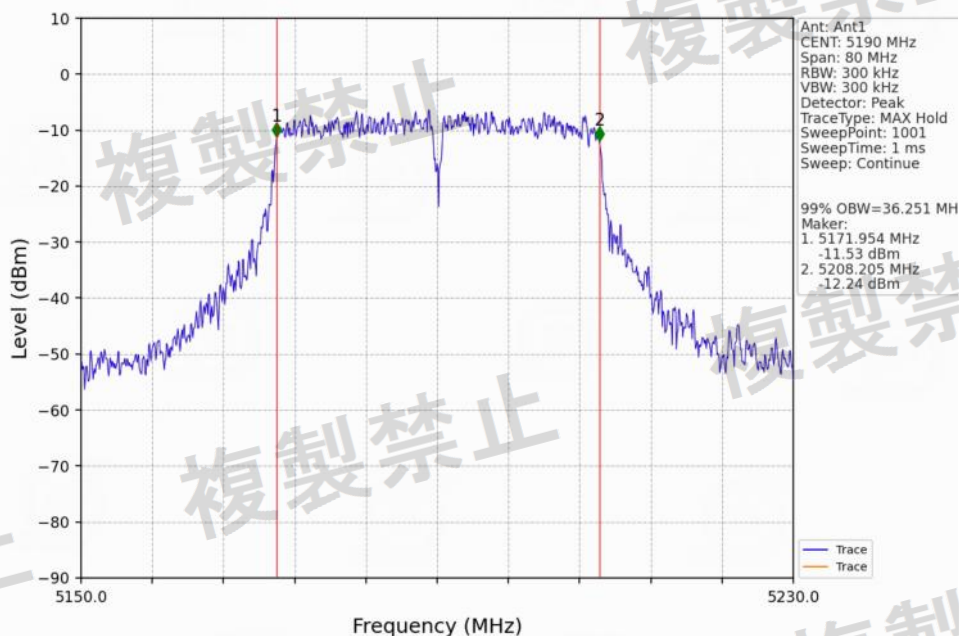


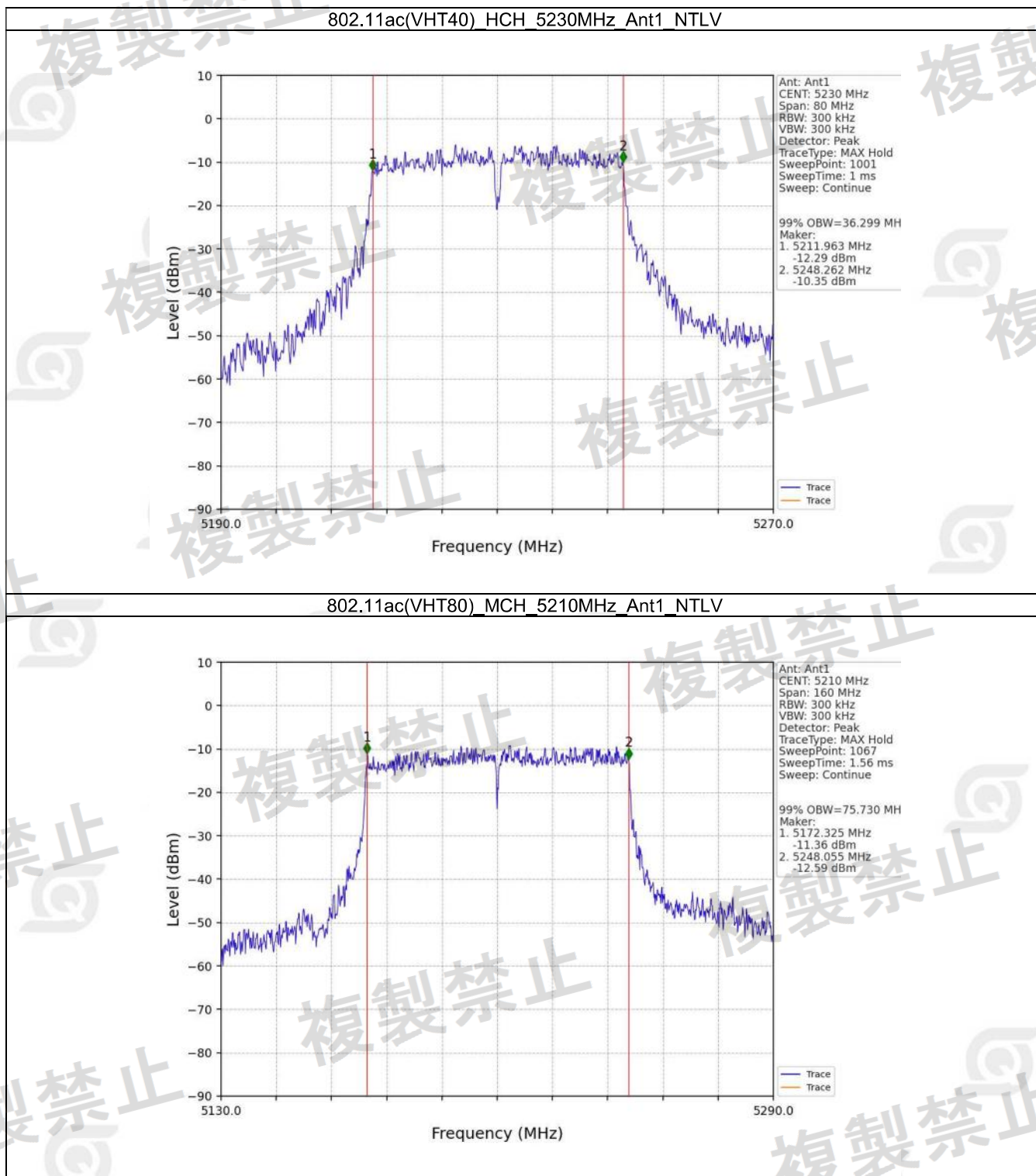


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTLV

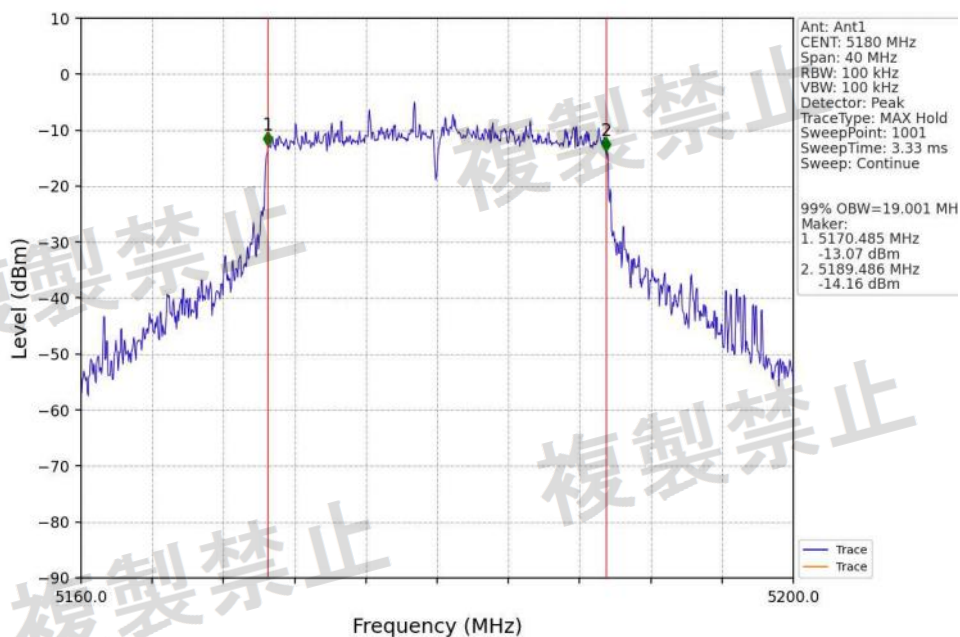


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTLV

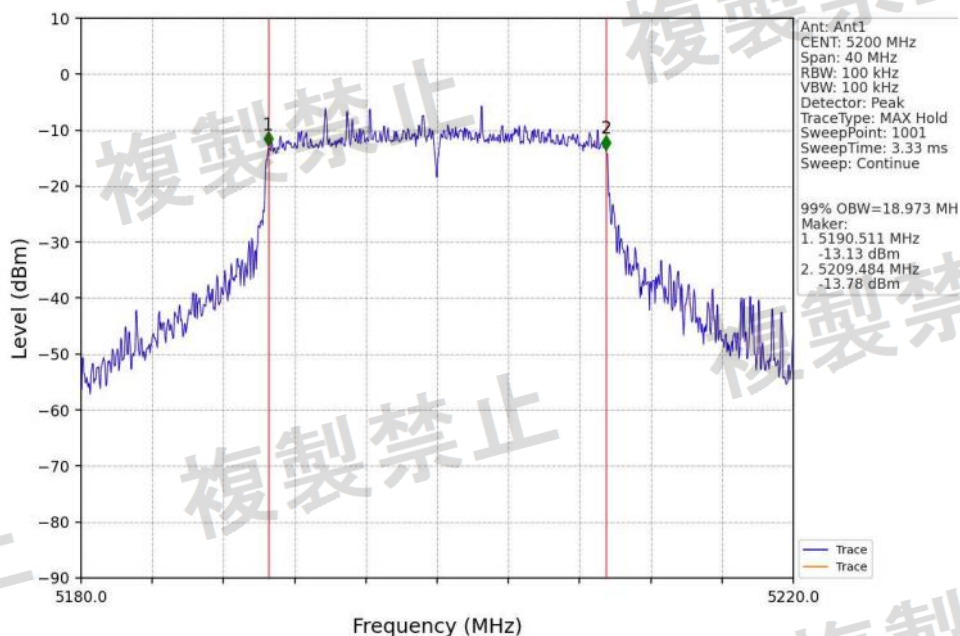




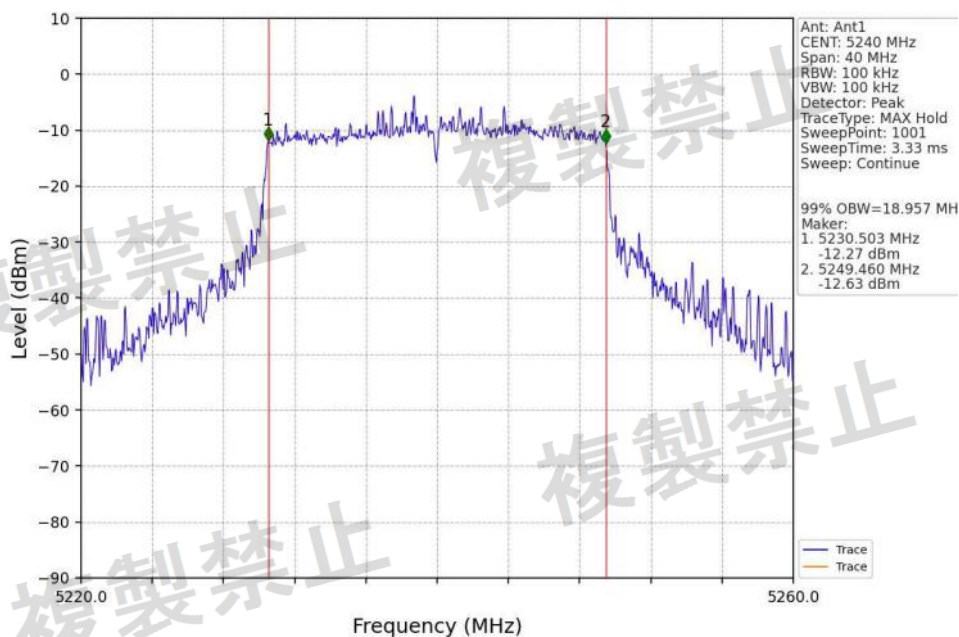
802.11ax(HEW20)_LCH_5180MHz_SU / Ant1_NTLV



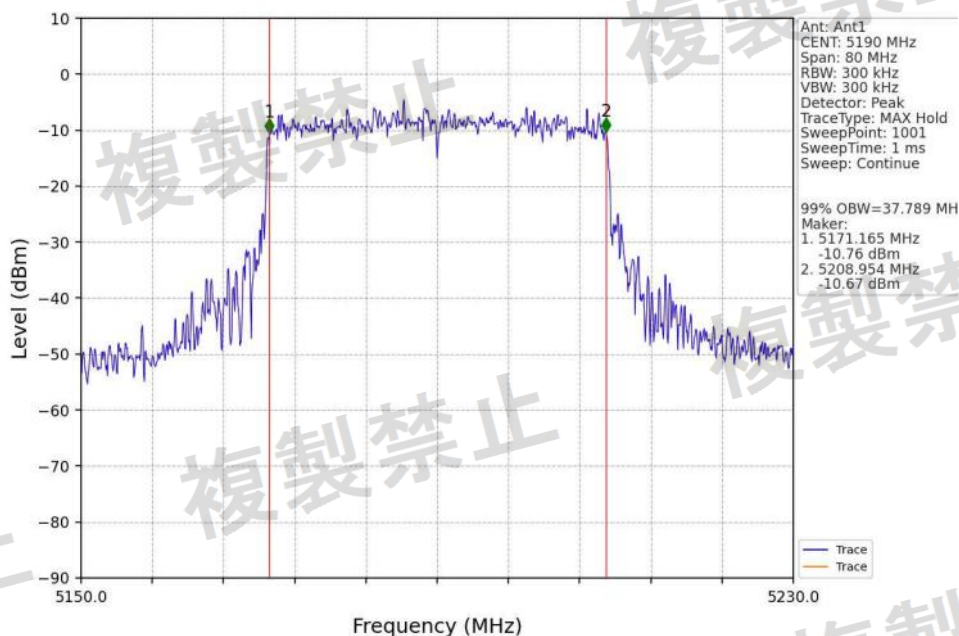
802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTLV

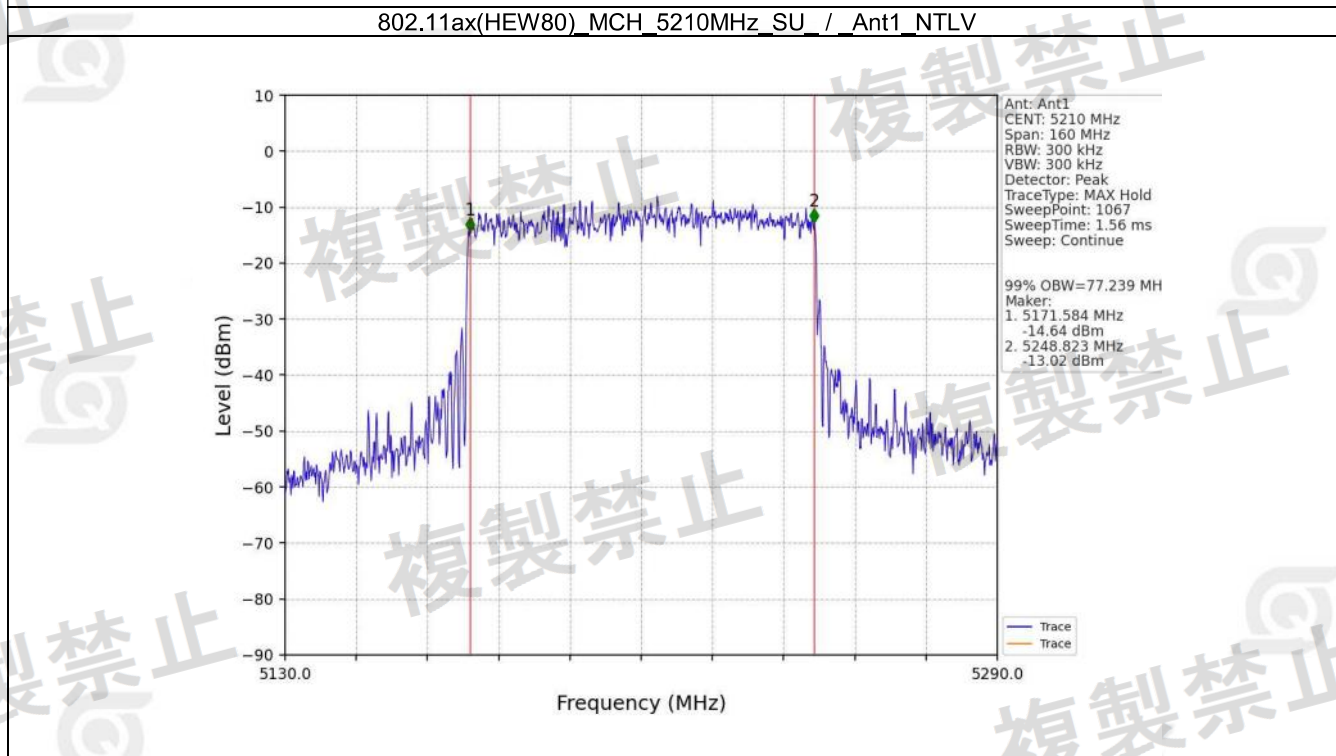
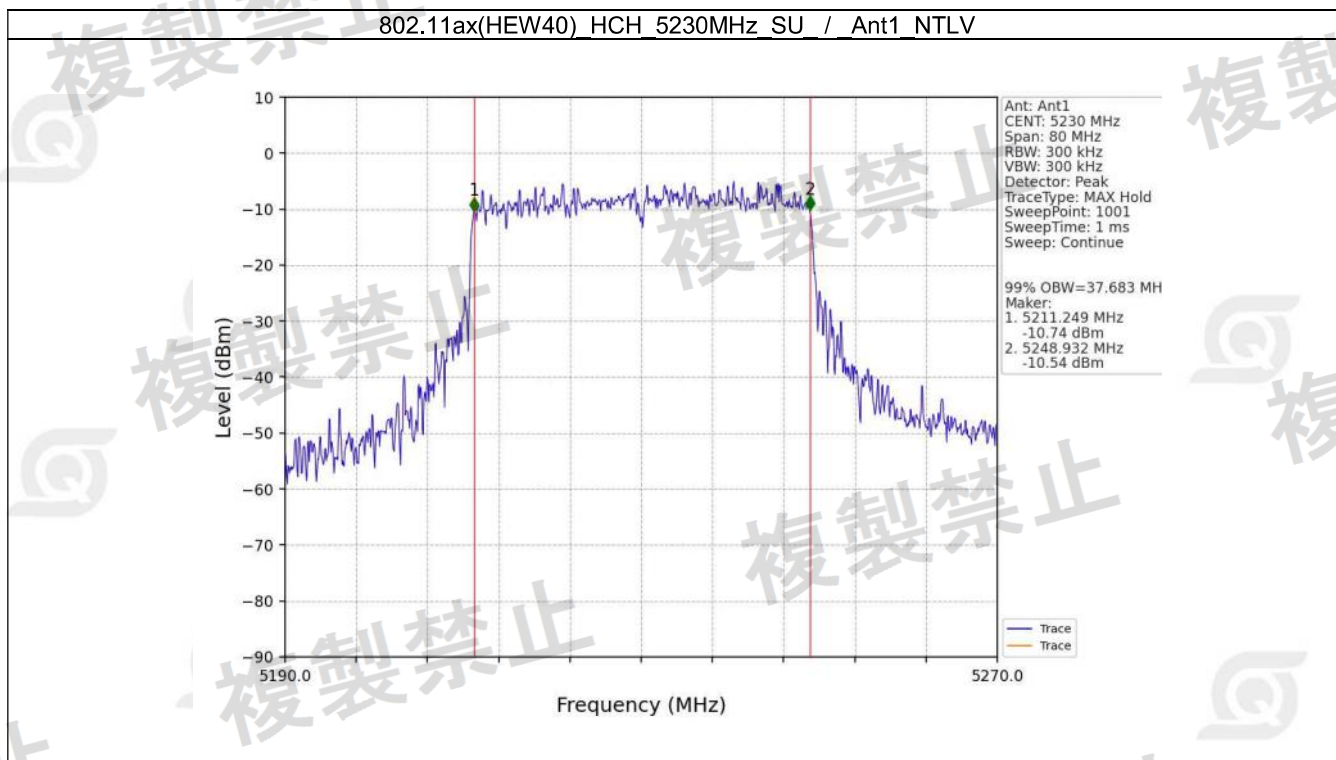


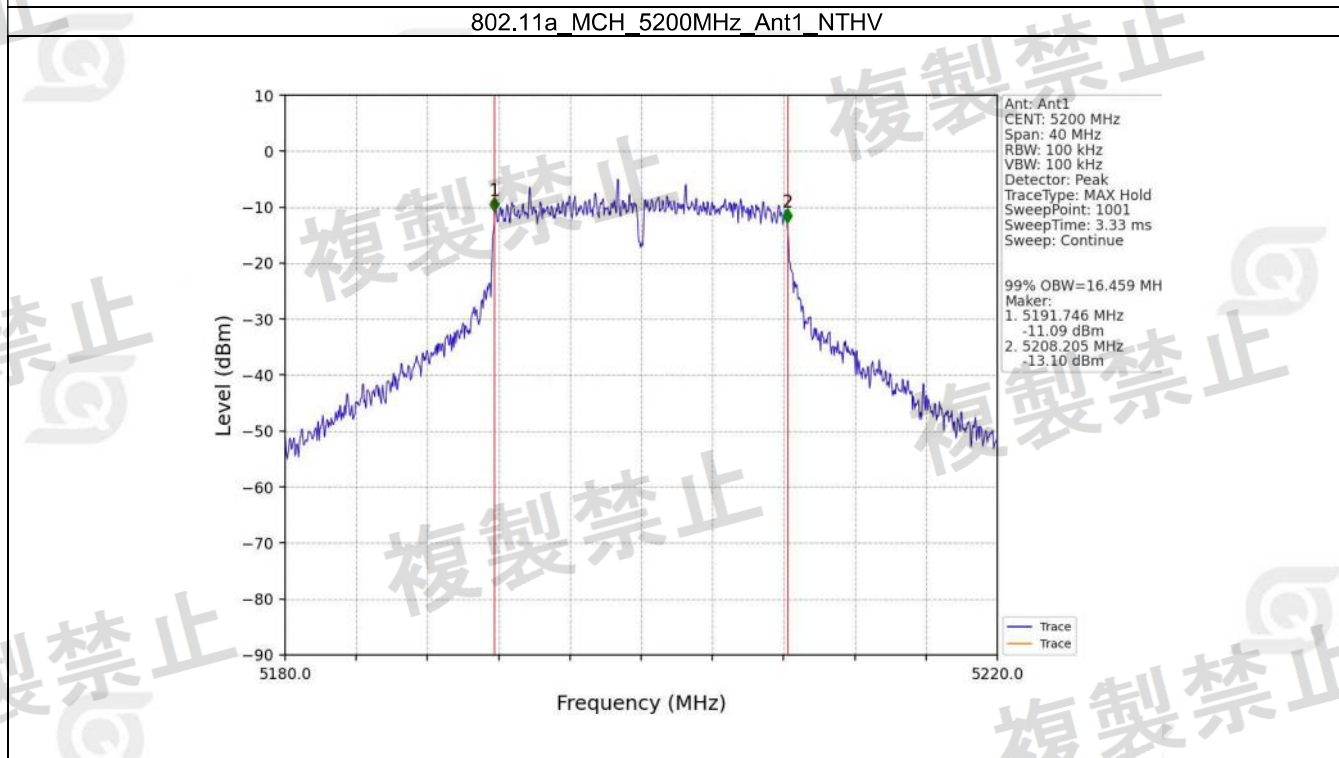
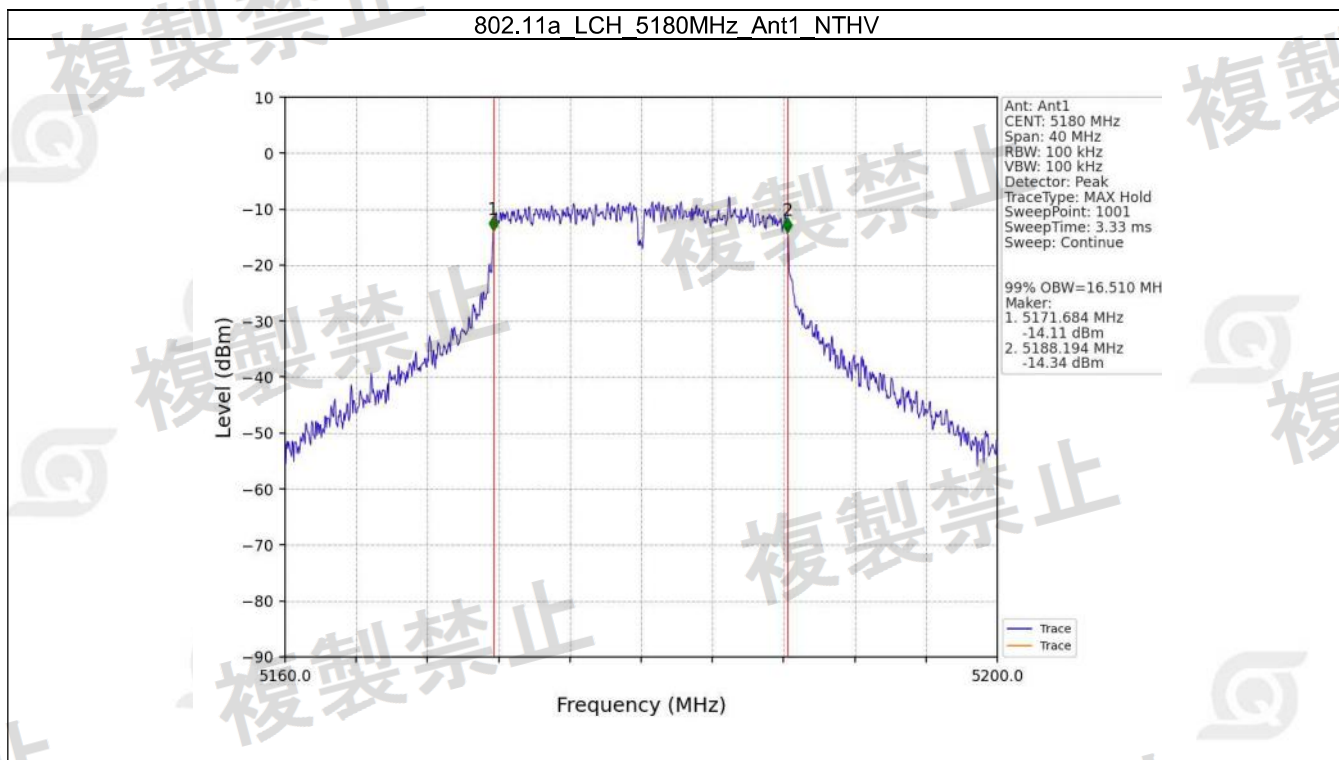
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTLV

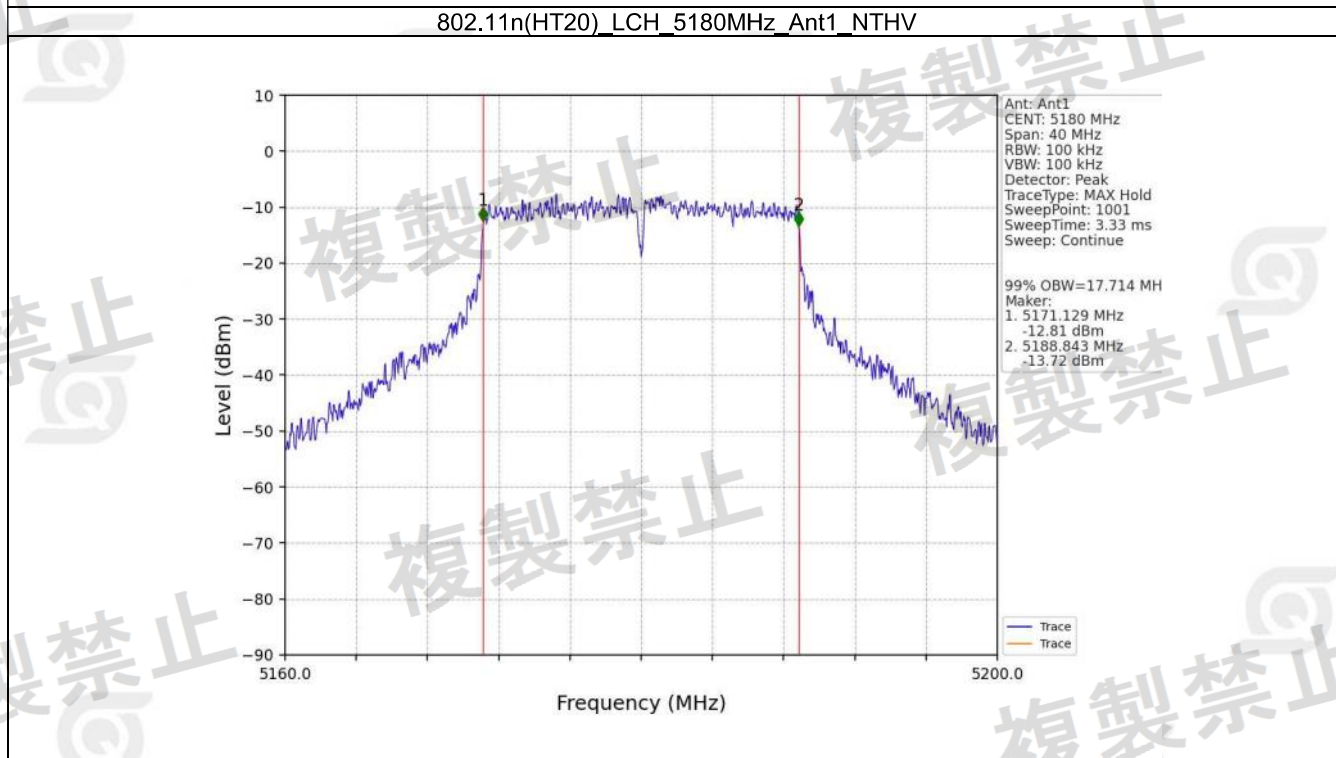
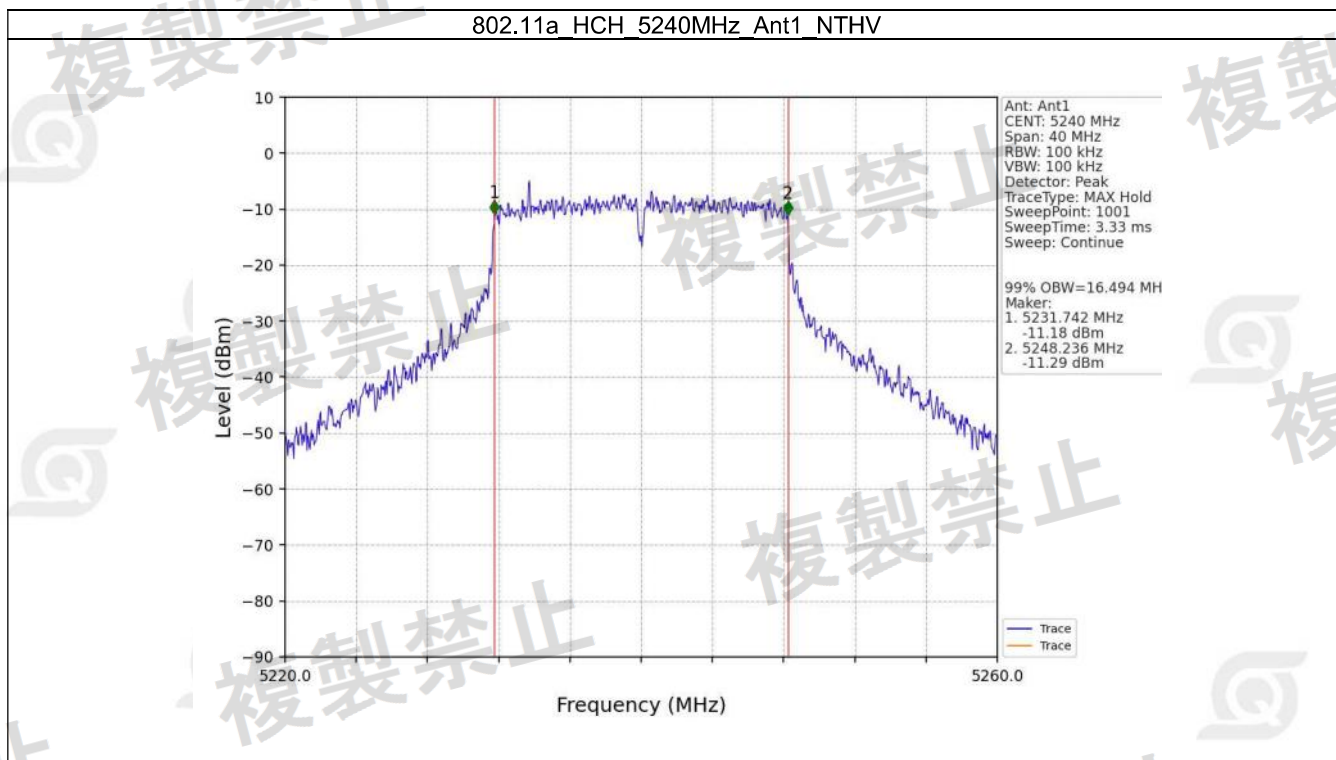


802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTLV

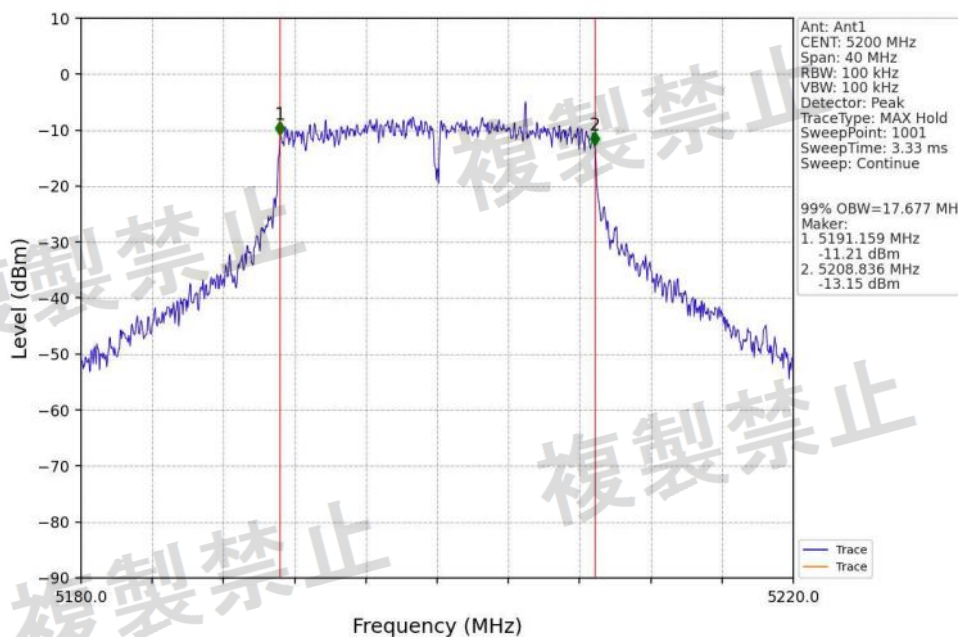




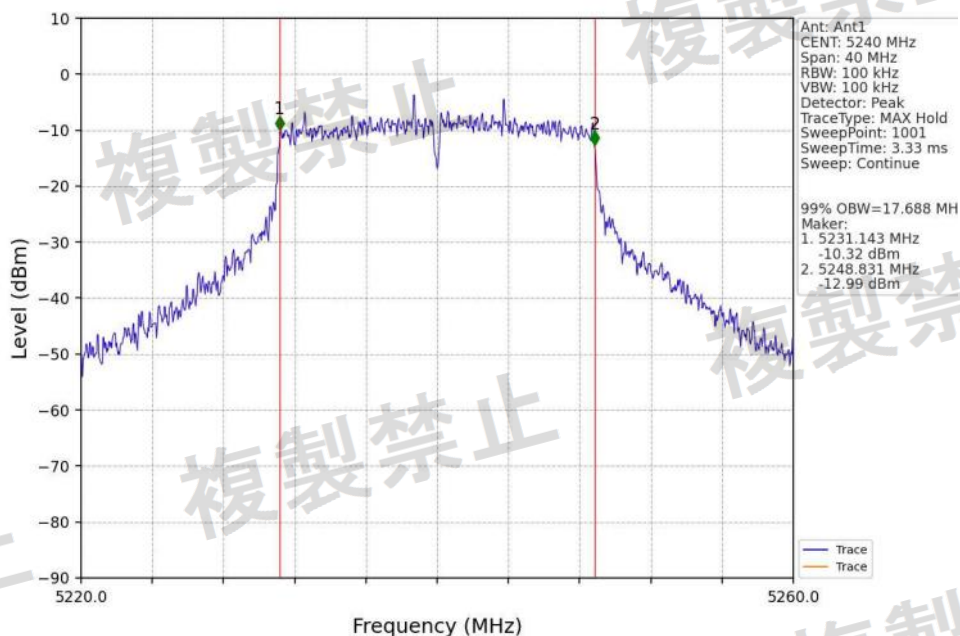




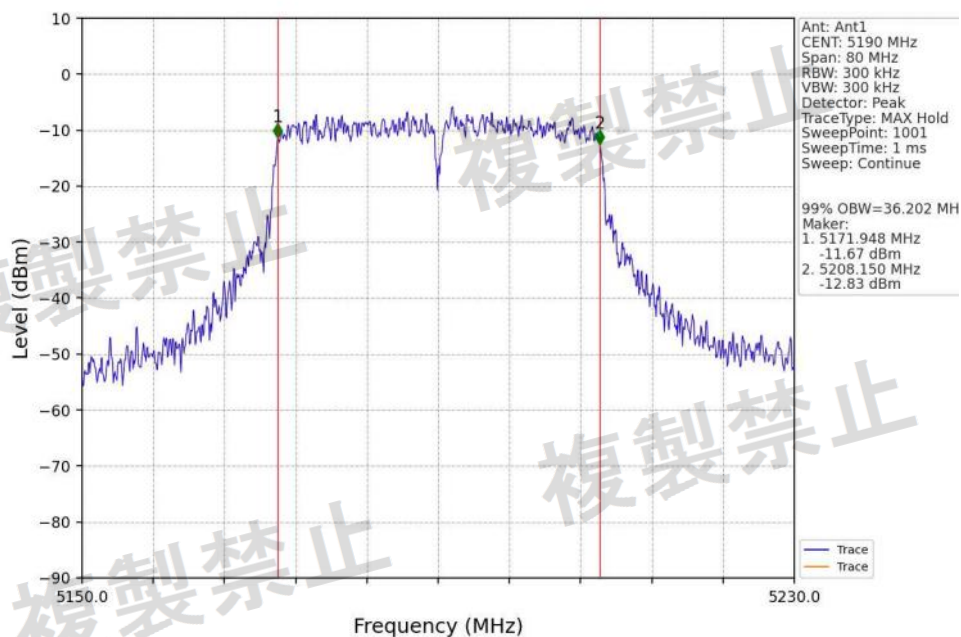
802.11n(HT20)_MCH_5200MHz_Ant1_NTHV



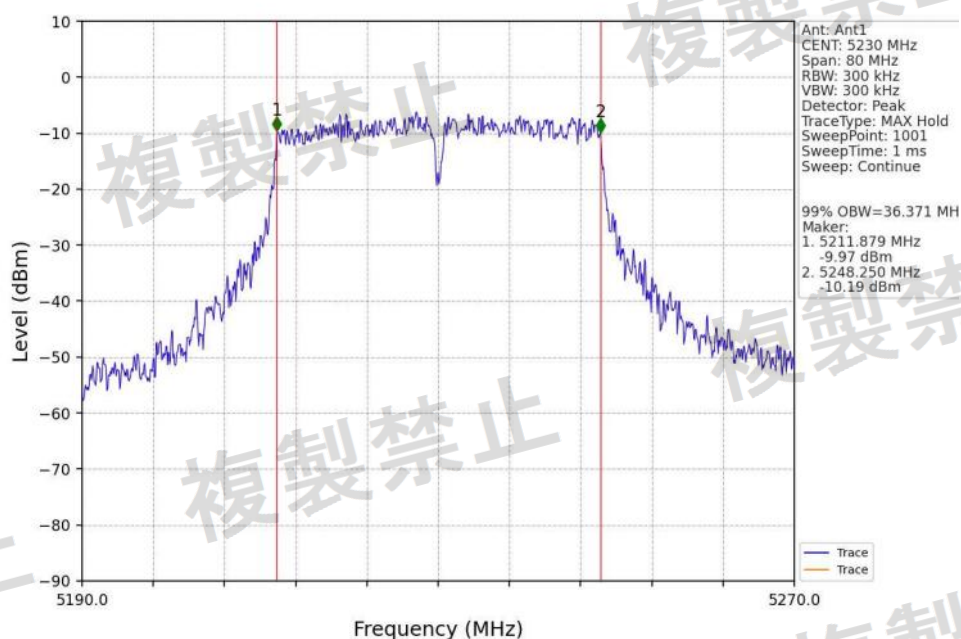
802.11n(HT20)_HCH_5240MHz_Ant1_NTHV



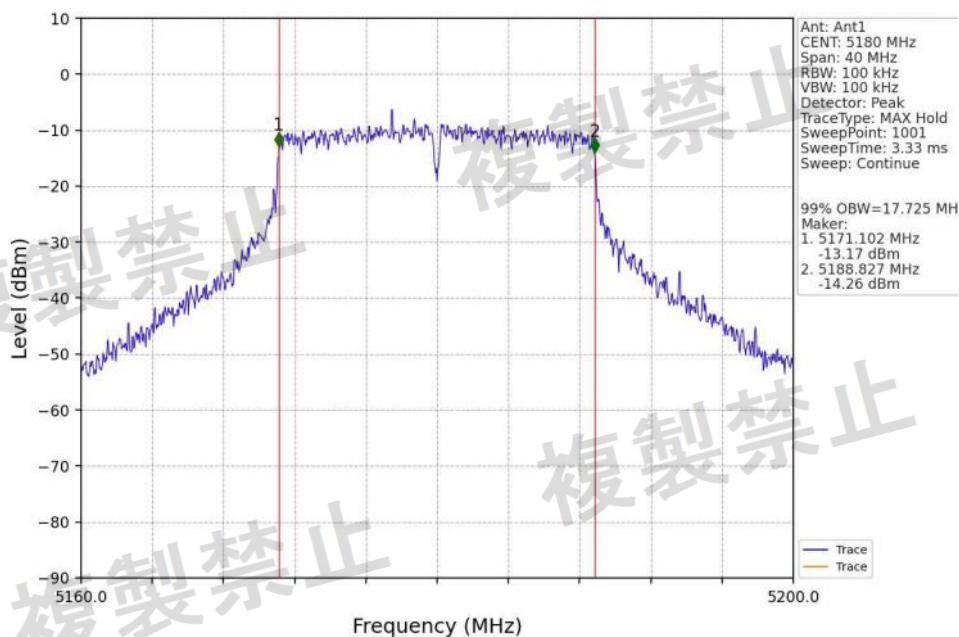
802.11n(HT40) LCH 5190MHz Ant1 NTHV



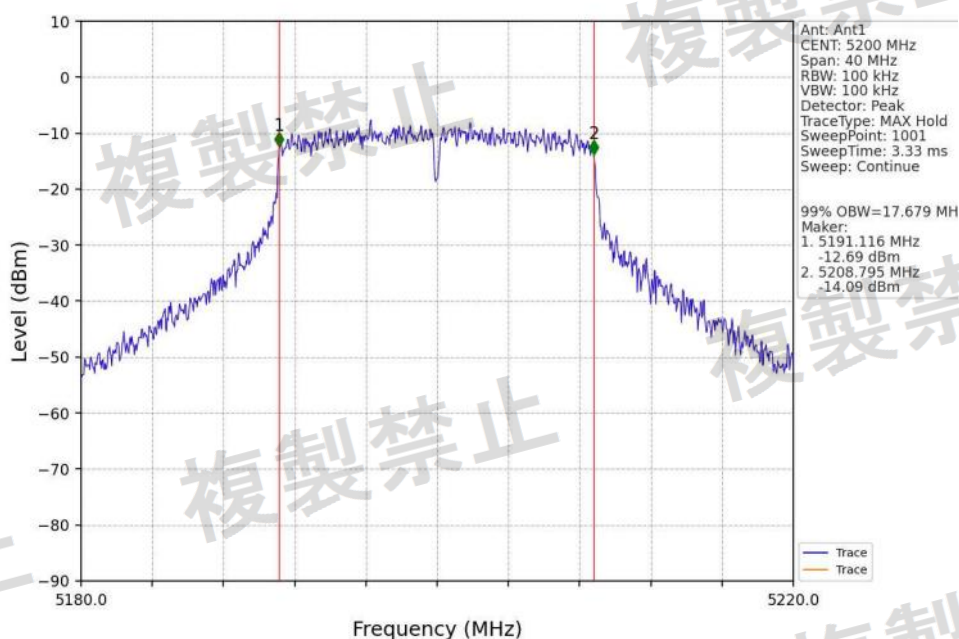
802.11n(HT40) HCH 5230MHz Ant1 NTHV



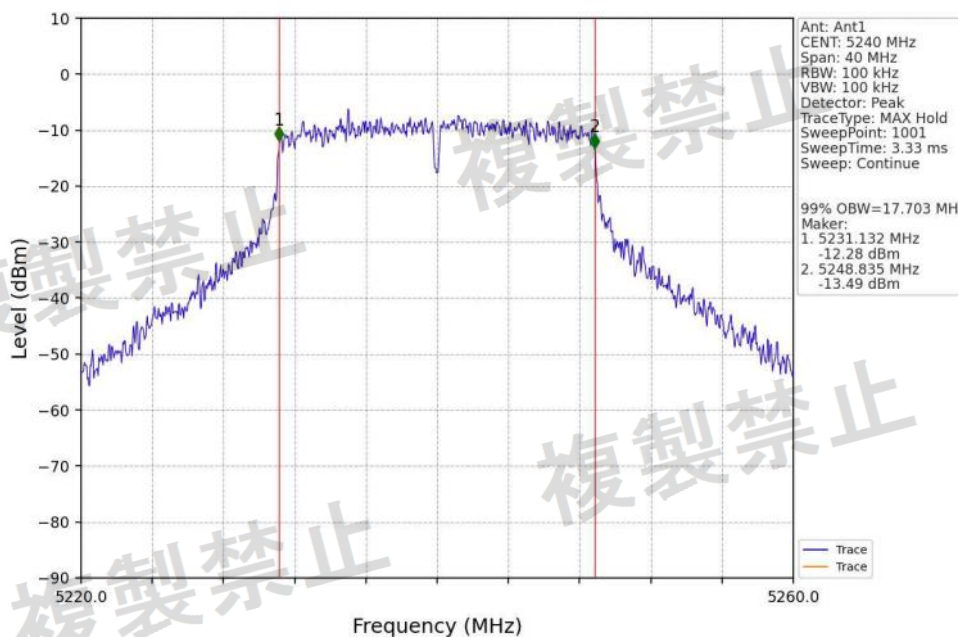
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTHV



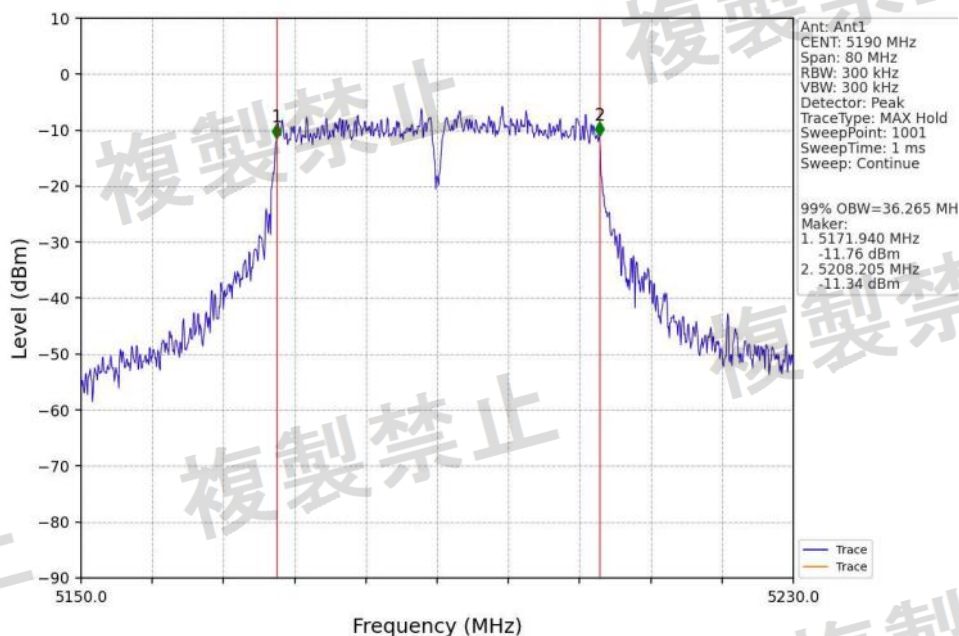
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTHV

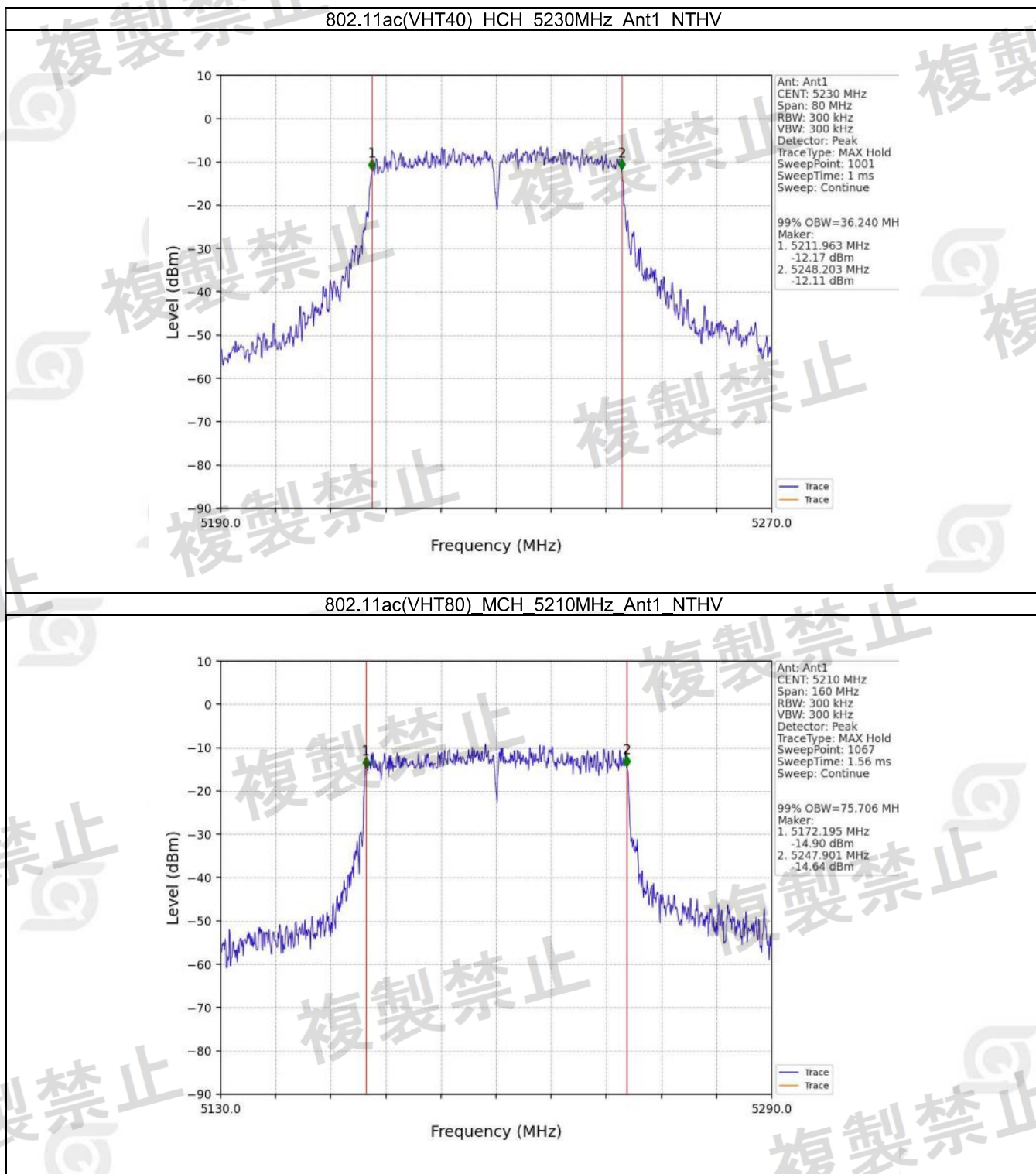


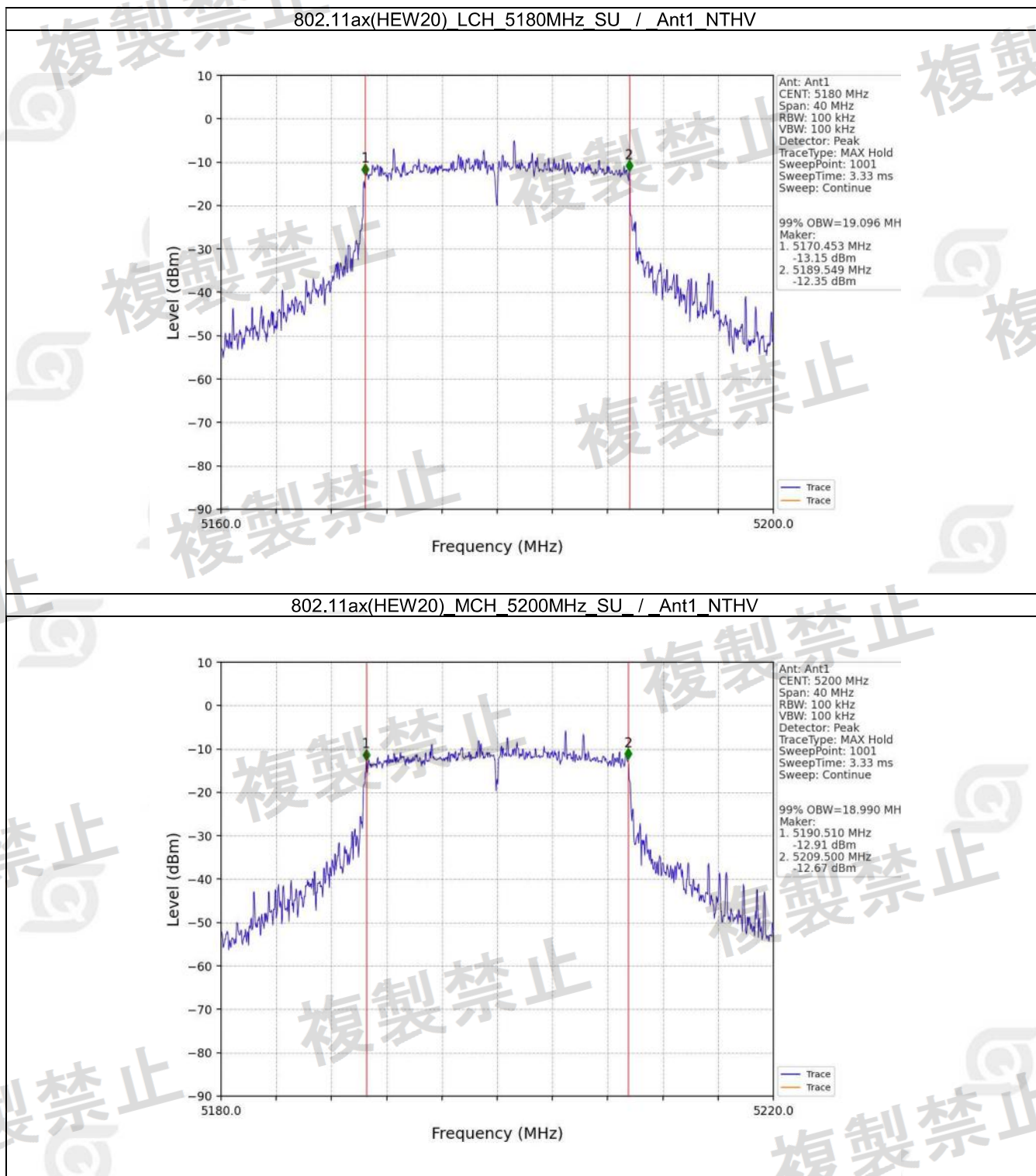
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTHV

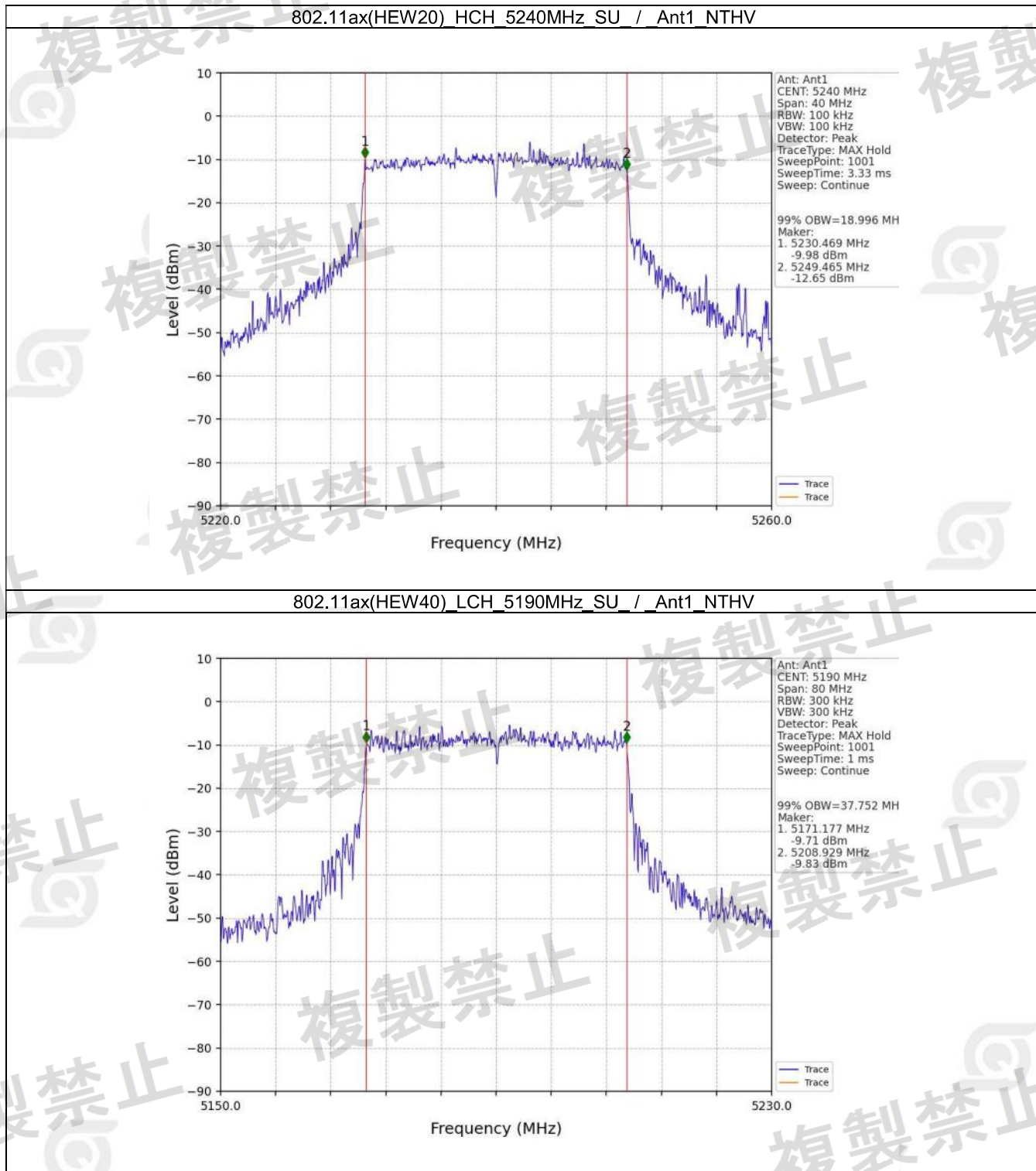


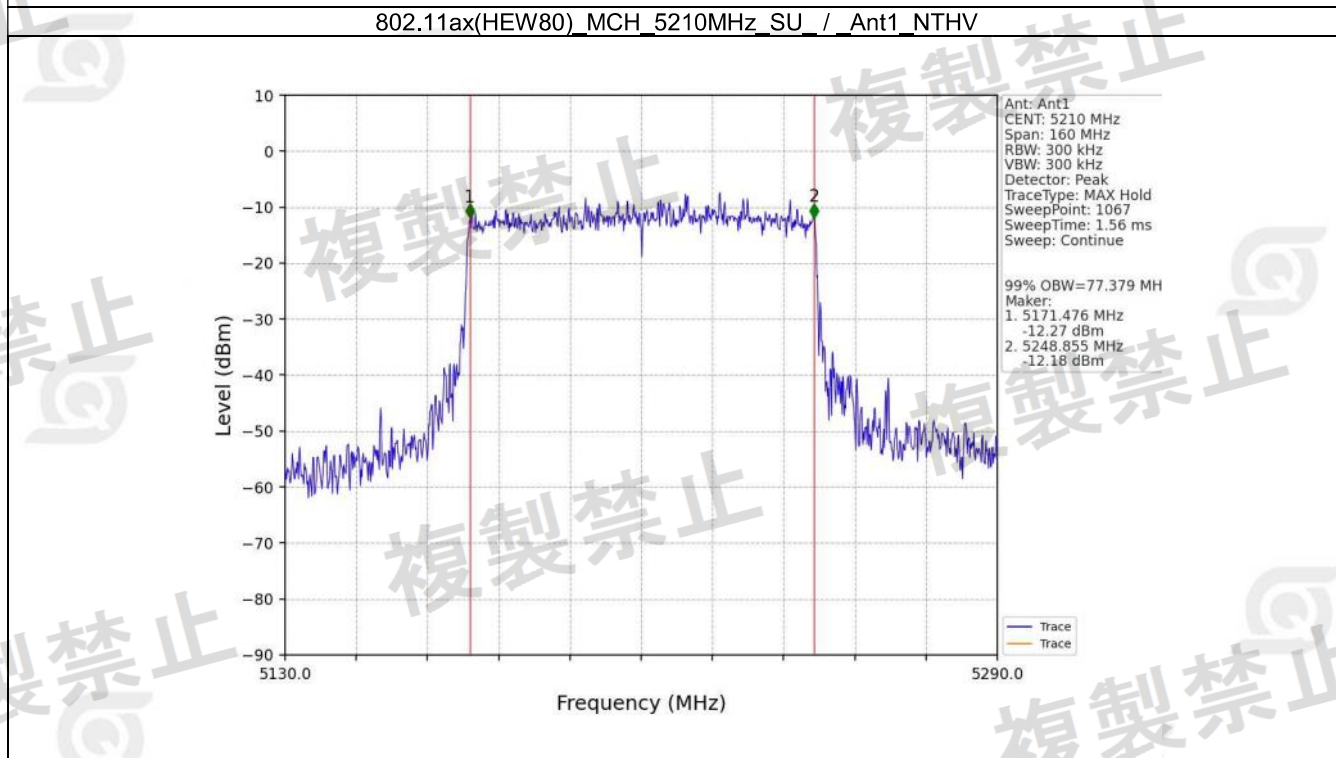
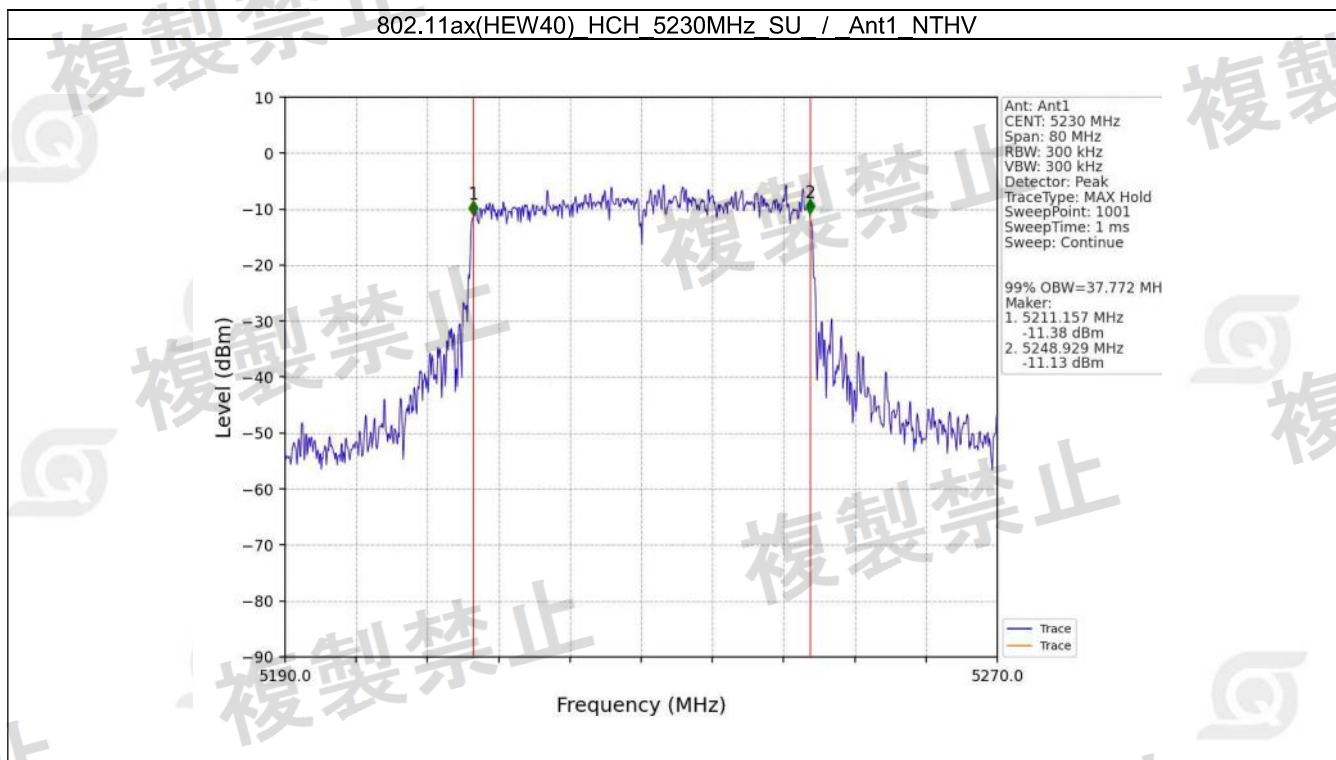
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTHV











3. Antenna Power

3.1 Test Result

3.1.1 Power_NTNV

NTNV											
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
802.11a	SISO	5180	/	/	1	0.315	<=10.00	0.4	-21.25	-80 to 20	Pass
		5200	/	/	1	0.364	<=10.00	0.4	-9.00	-80 to 20	Pass
		5240	/	/	1	0.411	<=10.00	0.4	2.75	-80 to 20	Pass
802.11n (HT20)	SISO	5180	/	/	1	0.354	<=10.00	0.4	-11.50	-80 to 20	Pass
		5200	/	/	1	0.284	<=10.00	0.4	-29.00	-80 to 20	Pass
		5240	/	/	1	0.413	<=10.00	0.4	3.25	-80 to 20	Pass
802.11n (HT40)	SISO	5190	/	/	1	0.158	<=5.00	0.2	-21.00	-80 to 20	Pass
		5230	/	/	1	0.173	<=5.00	0.2	-13.50	-80 to 20	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	0.313	<=10.00	0.3	4.33	-80 to 20	Pass
		5200	/	/	1	0.333	<=10.00	0.3	11.00	-80 to 20	Pass
		5240	/	/	1	0.325	<=10.00	0.3	8.33	-80 to 20	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	0.162	<=5.00	0.2	-19.00	-80 to 20	Pass
		5230	/	/	1	0.172	<=5.00	0.2	-14.00	-80 to 20	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	0.077	<=2.50	0.1	-23.00	-80 to 20	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	0.241	<=10.00	0.3	-19.67	-80 to 20	Pass
		5200	SU	/	1	0.249	<=10.00	0.3	-17.00	-80 to 20	Pass
		5240	SU	/	1	0.342	<=10.00	0.3	14.00	-80 to 20	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	0.149	<=5.00	0.2	-25.50	-80 to 20	Pass
		5230	SU	/	1	0.175	<=5.00	0.2	-12.50	-80 to 20	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	0.078	<=2.50	0.1	-22.00	-80 to 20	Pass

3.1.2 Power_NTLV

NTLV											
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
802.11a	SISO	5180	/	/	1	0.307	<=10.00	0.4	-23.25	-80 to 20	Pass
		5200	/	/	1	0.366	<=10.00	0.4	-8.50	-80 to 20	Pass
		5240	/	/	1	0.409	<=10.00	0.4	2.25	-80 to 20	Pass
802.11n (HT20)	SISO	5180	/	/	1	0.325	<=10.00	0.4	-18.75	-80 to 20	Pass
		5200	/	/	1	0.365	<=10.00	0.4	-8.75	-80 to 20	Pass
		5240	/	/	1	0.432	<=10.00	0.4	8.00	-80 to 20	Pass
802.11n (HT40)	SISO	5190	/	/	1	0.158	<=5.00	0.2	-21.00	-80 to 20	Pass
		5230	/	/	1	0.177	<=5.00	0.2	-11.50	-80 to 20	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	0.304	<=10.00	0.3	1.33	-80 to 20	Pass
		5200	/	/	1	0.299	<=10.00	0.3	-0.33	-80 to 20	Pass
		5240	/	/	1	0.370	<=10.00	0.3	23.33	-80 to 20	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	0.162	<=5.00	0.2	-19.00	-80 to 20	Pass
		5230	/	/	1	0.181	<=5.00	0.2	-9.50	-80 to 20	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	0.074	<=2.50	0.1	-26.00	-80 to 20	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	0.276	<=10.00	0.3	-8.00	-80 to 20	Pass
		5200	SU	/	1	0.277	<=10.00	0.3	-7.67	-80 to 20	Pass
		5240	SU	/	1	0.367	<=10.00	0.3	22.33	-80 to 20	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	0.122	<=5.00	0.2	-39.00	-80 to 20	Pass
		5230	SU	/	1	0.172	<=5.00	0.2	-14.00	-80 to 20	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	0.061	<=2.50	0.1	-39.00	-80 to 20	Pass

3.1.3 Power_NTHV

NTHV											
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
802.11a	SISO	5180	/	/	1	0.311	<=10.00	0.4	-22.25	-80 to 20	Pass
		5200	/	/	1	0.361	<=10.00	0.4	-9.75	-80 to 20	Pass
		5240	/	/	1	0.359	<=10.00	0.4	-10.25	-80 to 20	Pass
802.11n (HT20)	SISO	5180	/	/	1	0.343	<=10.00	0.4	-14.25	-80 to 20	Pass
		5200	/	/	1	0.375	<=10.00	0.4	-6.25	-80 to 20	Pass
		5240	/	/	1	0.425	<=10.00	0.4	6.25	-80 to 20	Pass
802.11n (HT40)	SISO	5190	/	/	1	0.158	<=5.00	0.2	-21.00	-80 to 20	Pass
		5230	/	/	1	0.176	<=5.00	0.2	-12.00	-80 to 20	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	0.306	<=10.00	0.3	2.00	-80 to 20	Pass
		5200	/	/	1	0.274	<=10.00	0.3	-8.67	-80 to 20	Pass
		5240	/	/	1	0.366	<=10.00	0.3	22.00	-80 to 20	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	0.156	<=5.00	0.2	-22.00	-80 to 20	Pass
		5230	/	/	1	0.180	<=5.00	0.2	-10.00	-80 to 20	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	0.076	<=2.50	0.1	-24.00	-80 to 20	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	0.271	<=10.00	0.3	-9.67	-80 to 20	Pass
		5200	SU	/	1	0.304	<=10.00	0.3	1.33	-80 to 20	Pass
		5240	SU	/	1	0.350	<=10.00	0.3	16.67	-80 to 20	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	0.136	<=5.00	0.2	-32.00	-80 to 20	Pass
		5230	SU	/	1	0.168	<=5.00	0.2	-16.00	-80 to 20	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	0.067	<=2.50	0.1	-33.00	-80 to 20	Pass

3.1.4 EIRP_NTNV

NTNV									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
							Result	Limit	
802.11a	SISO	5180	/	/	1	2.67	0.583	<=10	Pass
		5200	/	/	1	2.67	0.673	<=10	Pass
		5240	/	/	1	2.67	0.760	<=10	Pass
802.11n (HT20)	SISO	5180	/	/	1	2.67	0.655	<=10	Pass
		5200	/	/	1	2.67	0.525	<=10	Pass
		5240	/	/	1	2.67	0.764	<=10	Pass
802.11n (HT40)	SISO	5190	/	/	1	2.67	0.292	<=5	Pass
		5230	/	/	1	2.67	0.320	<=5	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	2.67	0.579	<=10	Pass
		5200	/	/	1	2.67	0.616	<=10	Pass
		5240	/	/	1	2.67	0.601	<=10	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	2.67	0.300	<=5	Pass
		5230	/	/	1	2.67	0.318	<=5	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	2.67	0.142	<=2.5	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	2.67	0.446	<=10	Pass
		5200	SU	/	1	2.67	0.460	<=10	Pass
		5240	SU	/	1	2.67	0.632	<=10	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	2.67	0.276	<=5	Pass
		5230	SU	/	1	2.67	0.324	<=5	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	2.67	0.144	<=2.5	Pass

3.1.5 EIRP_NTLV

NTLV								
Mode	TX	Frequency	RU	RU	ANT	Gain (dBi)	EIRP (mW/MHz)	Verdict

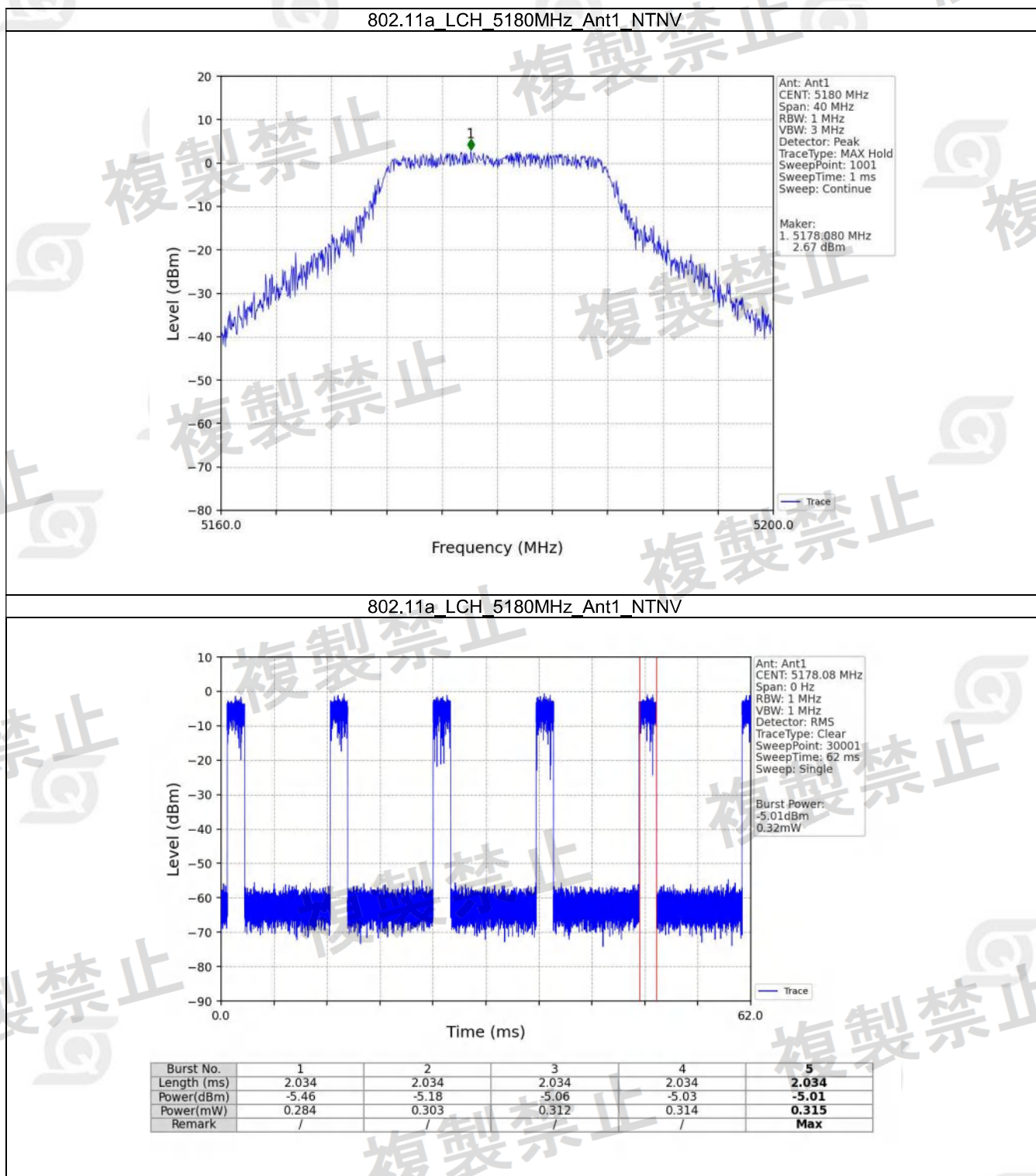
	Type	(MHz)		Pos			Result	Limit	
802.11a	SISO	5180	/	/	1	2.67	0.568	<=10	Pass
		5200	/	/	1	2.67	0.677	<=10	Pass
		5240	/	/	1	2.67	0.756	<=10	Pass
802.11n (HT20)	SISO	5180	/	/	1	2.67	0.601	<=10	Pass
		5200	/	/	1	2.67	0.675	<=10	Pass
		5240	/	/	1	2.67	0.799	<=10	Pass
802.11n (HT40)	SISO	5190	/	/	1	2.67	0.292	<=5	Pass
		5230	/	/	1	2.67	0.327	<=5	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	2.67	0.562	<=10	Pass
		5200	/	/	1	2.67	0.553	<=10	Pass
		5240	/	/	1	2.67	0.684	<=10	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	2.67	0.300	<=5	Pass
		5230	/	/	1	2.67	0.335	<=5	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	2.67	0.137	<=2.5	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	2.67	0.510	<=10	Pass
		5200	SU	/	1	2.67	0.512	<=10	Pass
		5240	SU	/	1	2.67	0.679	<=10	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	2.67	0.226	<=5	Pass
		5230	SU	/	1	2.67	0.318	<=5	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	2.67	0.113	<=2.5	Pass

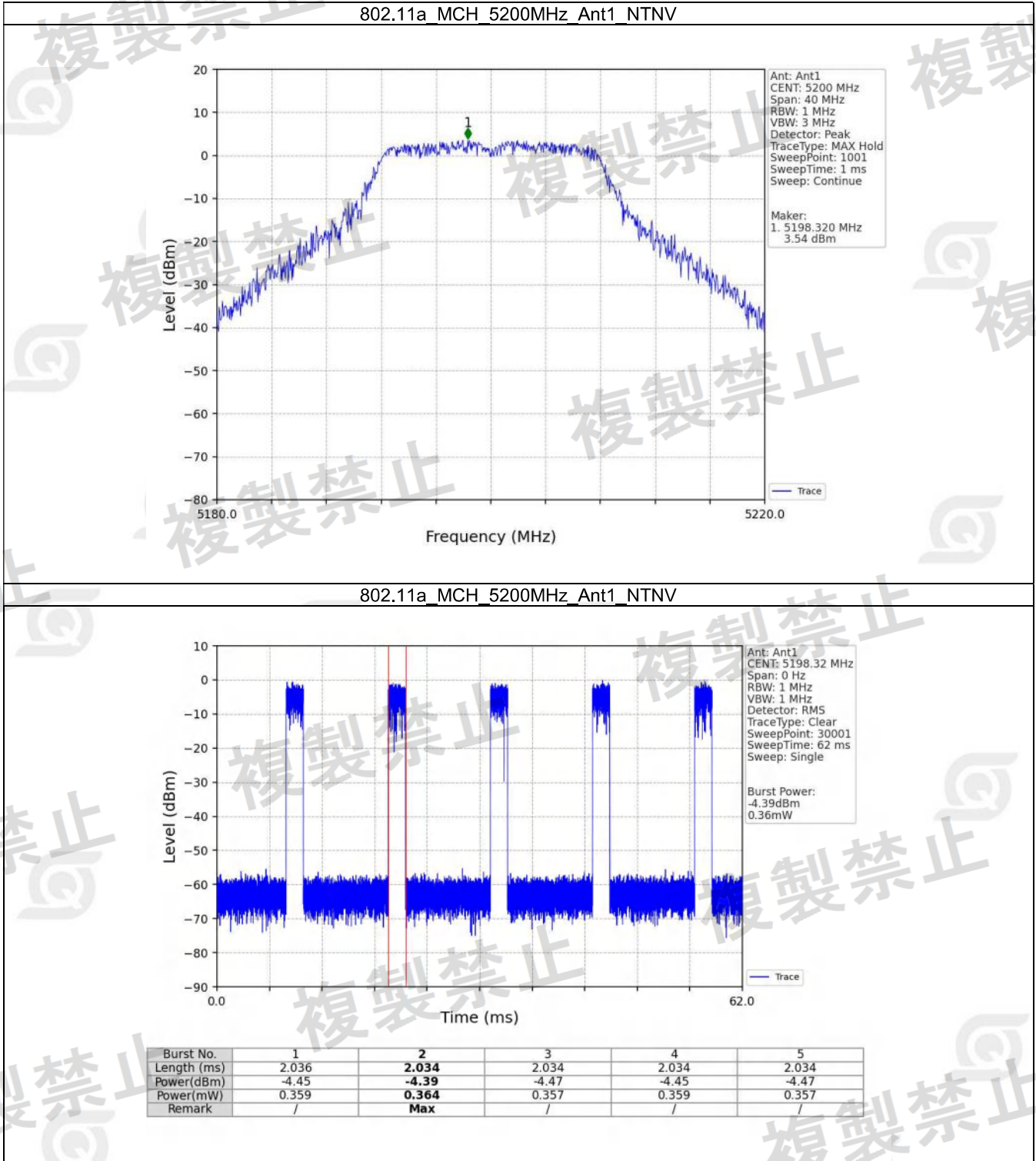
3.1.6 EIRP_NTHV

NTHV									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
							Result	Limit	
802.11a	SISO	5180	/	/	1	2.67	0.575	<=10	Pass
		5200	/	/	1	2.67	0.668	<=10	Pass
		5240	/	/	1	2.67	0.664	<=10	Pass
802.11n (HT20)	SISO	5180	/	/	1	2.67	0.634	<=10	Pass
		5200	/	/	1	2.67	0.693	<=10	Pass
		5240	/	/	1	2.67	0.786	<=10	Pass
802.11n (HT40)	SISO	5190	/	/	1	2.67	0.292	<=5	Pass
		5230	/	/	1	2.67	0.325	<=5	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	2.67	0.566	<=10	Pass
		5200	/	/	1	2.67	0.507	<=10	Pass
		5240	/	/	1	2.67	0.677	<=10	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	2.67	0.288	<=5	Pass
		5230	/	/	1	2.67	0.333	<=5	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	2.67	0.141	<=2.5	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	2.67	0.501	<=10	Pass
		5200	SU	/	1	2.67	0.562	<=10	Pass
		5240	SU	/	1	2.67	0.647	<=10	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	2.67	0.252	<=5	Pass
		5230	SU	/	1	2.67	0.311	<=5	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	2.67	0.124	<=2.5	Pass

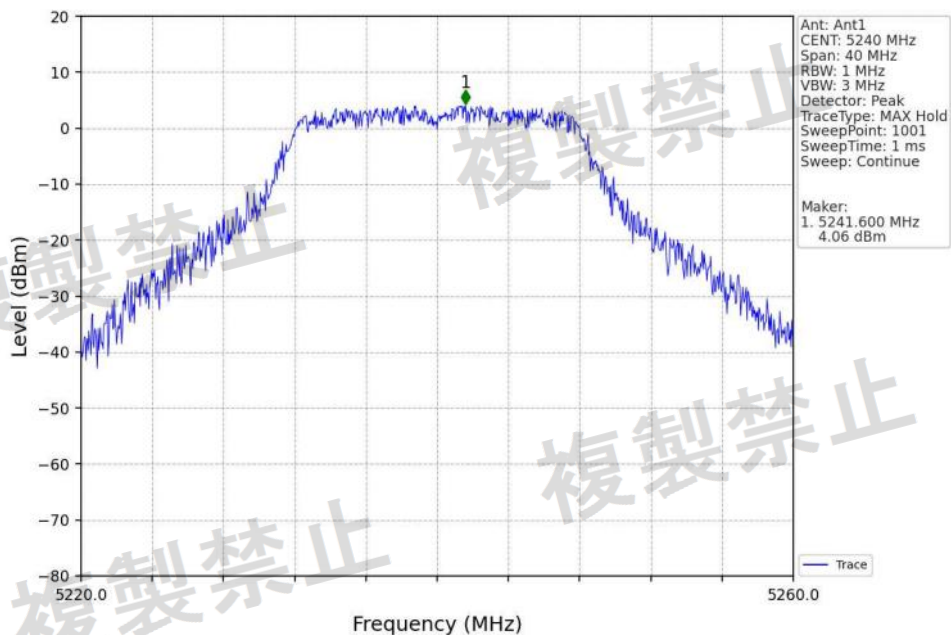
3.2 Test Graph

3.2.1 Power_NTNV

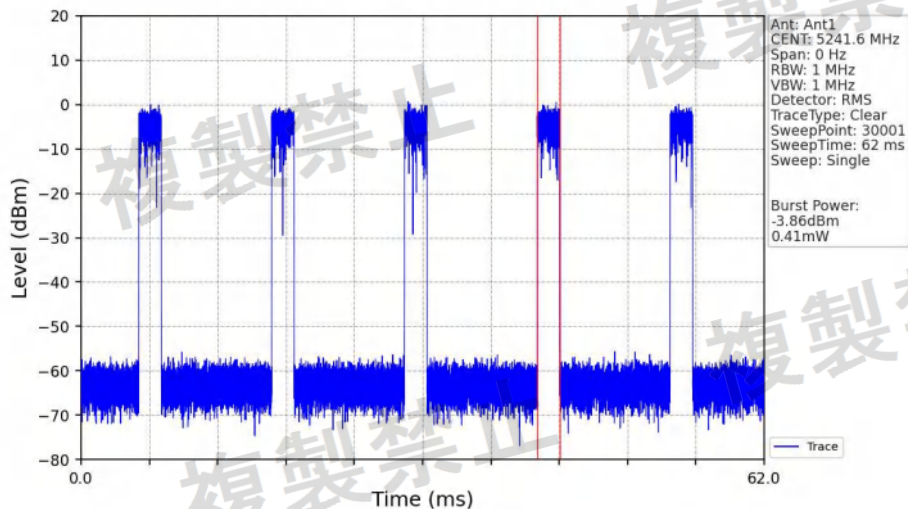




802.11a_HCH_5240MHz_Ant1_NTNV

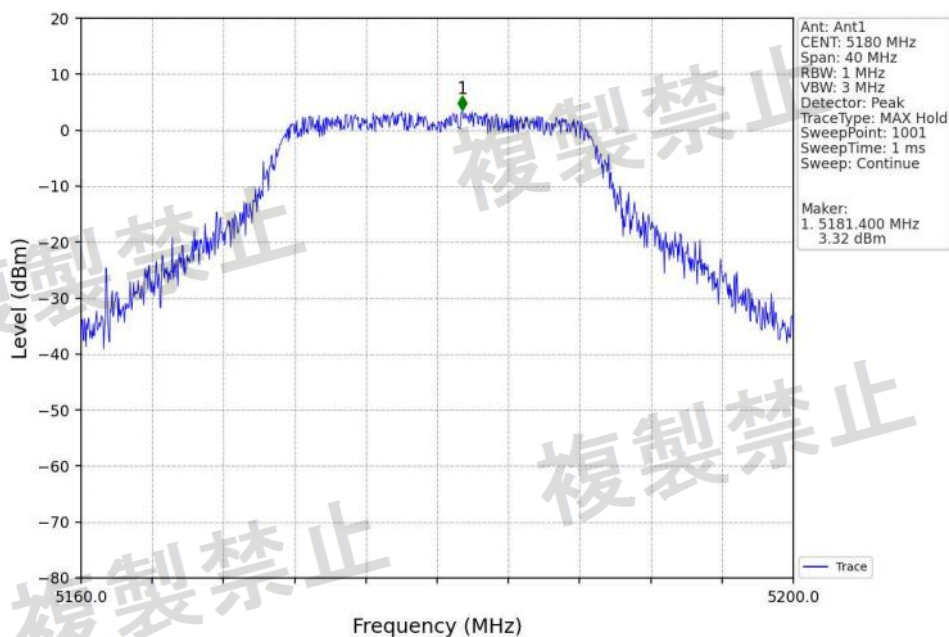


802.11a_HCH_5240MHz_Ant1_NTNV

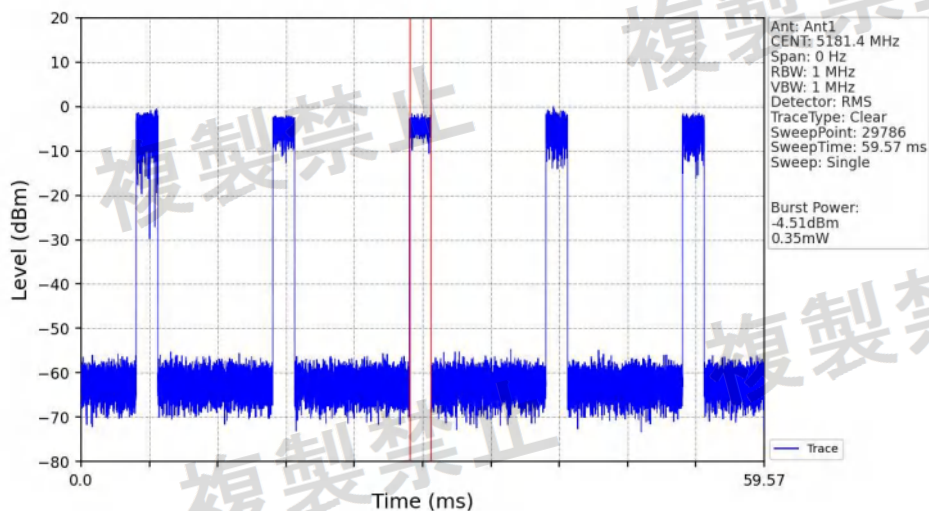


Burst No.	1	2	3	4	5
Length (ms)	2.032	2.034	2.034	2.034	2.034
Power(dBm)	-3.97	-3.95	-3.88	-3.86	-3.93
Power(mW)	0.401	0.403	0.409	0.411	0.405
Remark	/	/	/	Max	/

802.11n(HT20) LCH_5180MHz_Ant1_NTNV

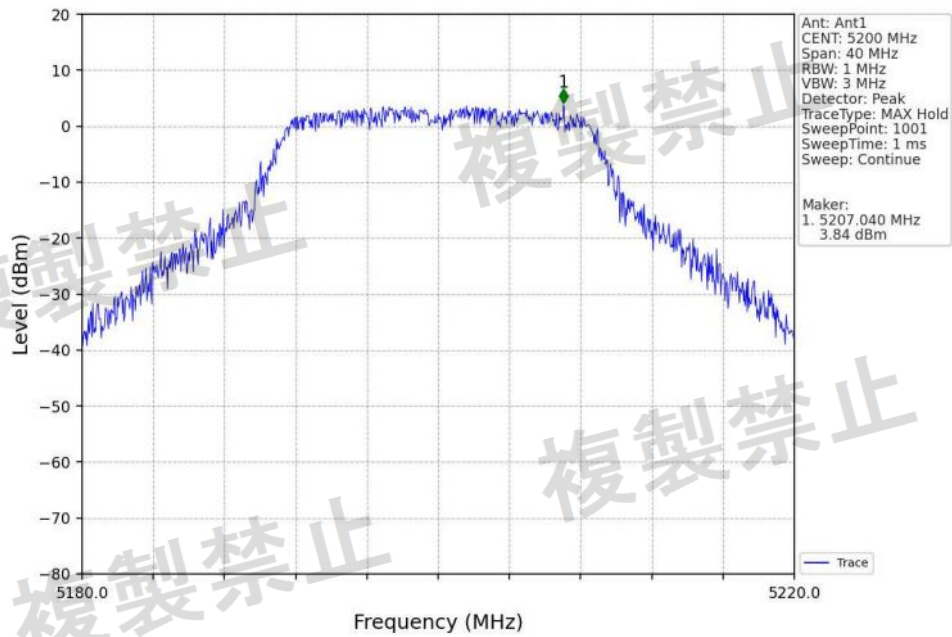


802.11n(HT20) LCH_5180MHz_Ant1_NTNV

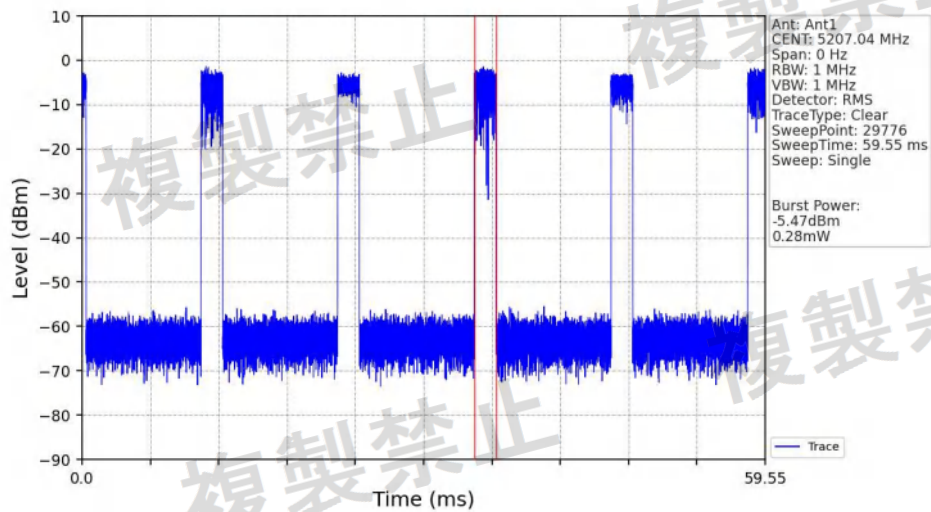


Burst No.	1	2	3	4	5
Length (ms)	1.892	1.894	1.894	1.892	1.894
Power(dBm)	-4.61	-4.57	-4.51	-4.52	-4.53
Power(mW)	0.346	0.349	0.354	0.353	0.352
Remark	/	/	Max	/	/

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

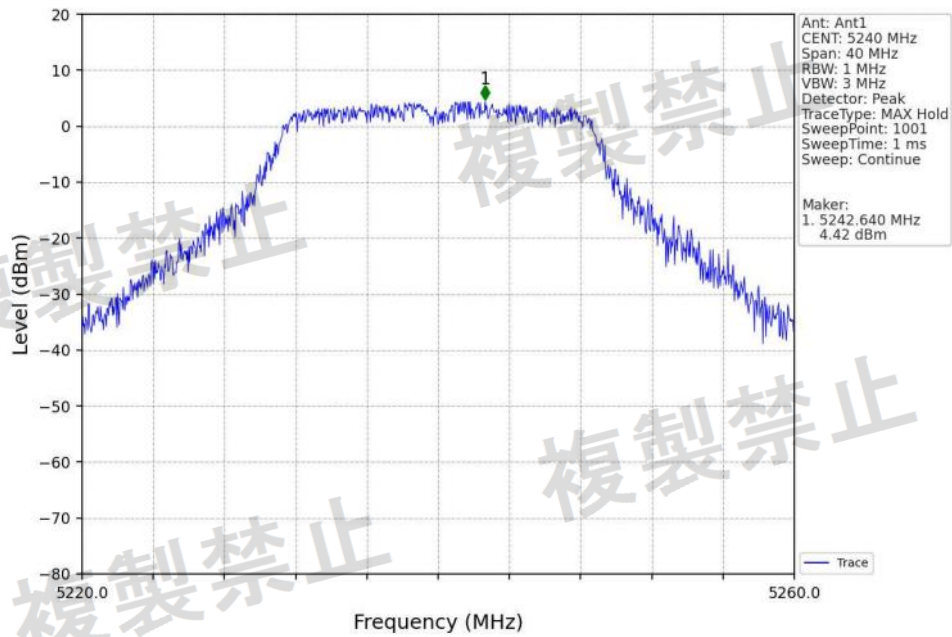


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

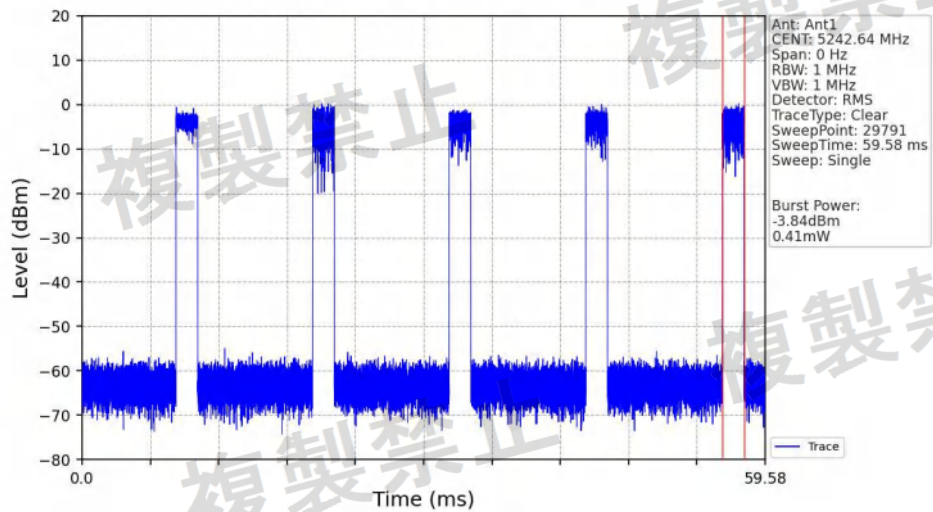


Burst No.	1	2	3	4
Length (ms)	1.894	1.892	1.892	1.894
Power(dBm)	-5.49	-5.49	-5.47	-5.49
Power(mW)	0.282	0.283	0.284	0.283
Remark	/	/	Max	/

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

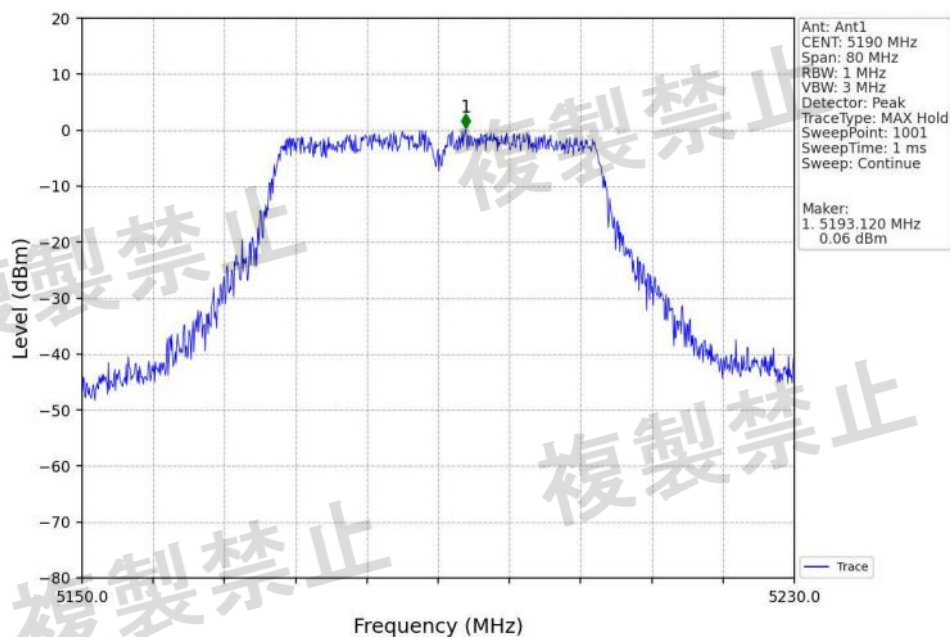


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

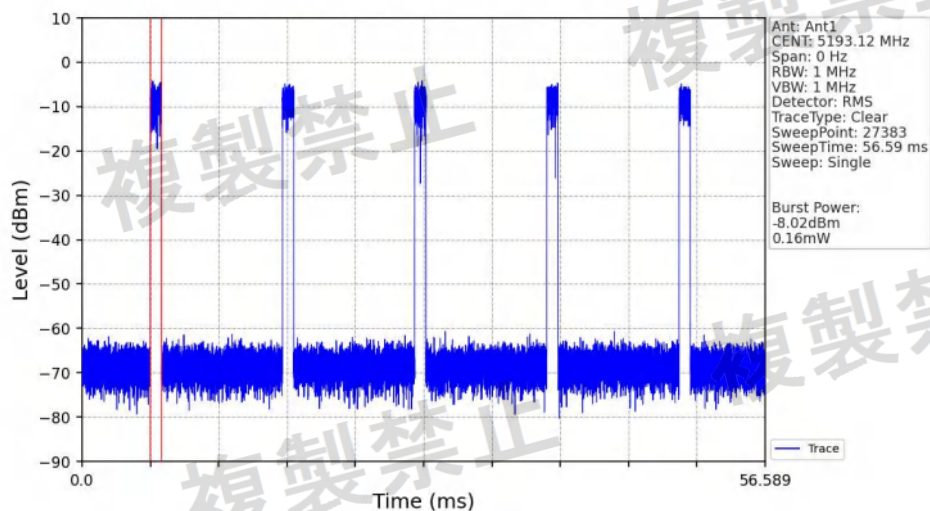


Burst No.	1	2	3	4	5
Length (ms)	1.894	1.892	1.894	1.892	1.894
Power(dBm)	-3.96	-3.92	-3.89	-3.88	-3.84
Power(mW)	0.402	0.405	0.408	0.409	0.413
Remark	/	/	/	/	Max

802.11n(HT40) LCH_5190MHz_Ant1_NTNV

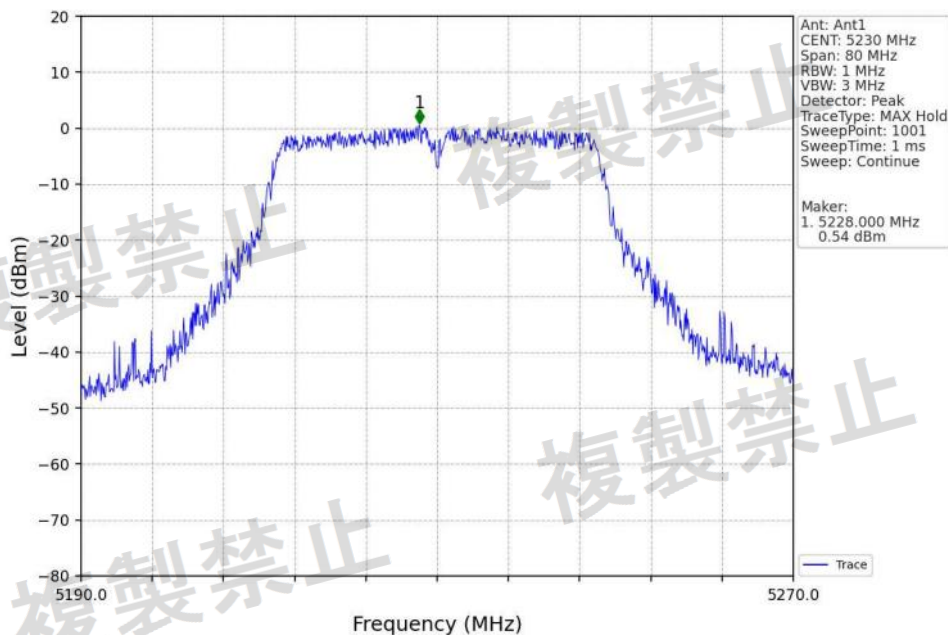


802.11n(HT40) LCH_5190MHz_Ant1_NTNV

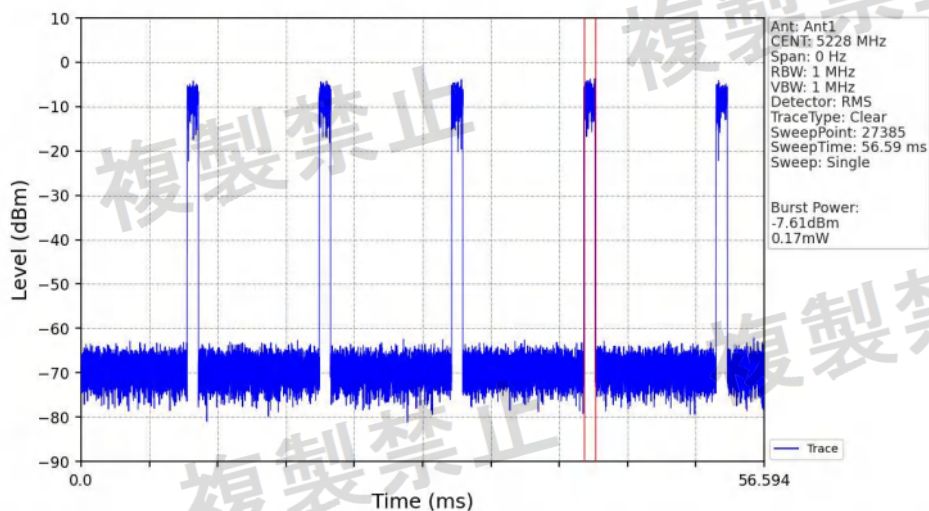


Burst No.	1	2	3	4	5
Length (ms)	0.934	0.932	0.934	0.934	0.932
Power(dBm)	-8.02	-8.08	-8.07	-8.06	-8.12
Power(mW)	0.158	0.156	0.156	0.156	0.154
Remark	Max	/	/	/	/

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

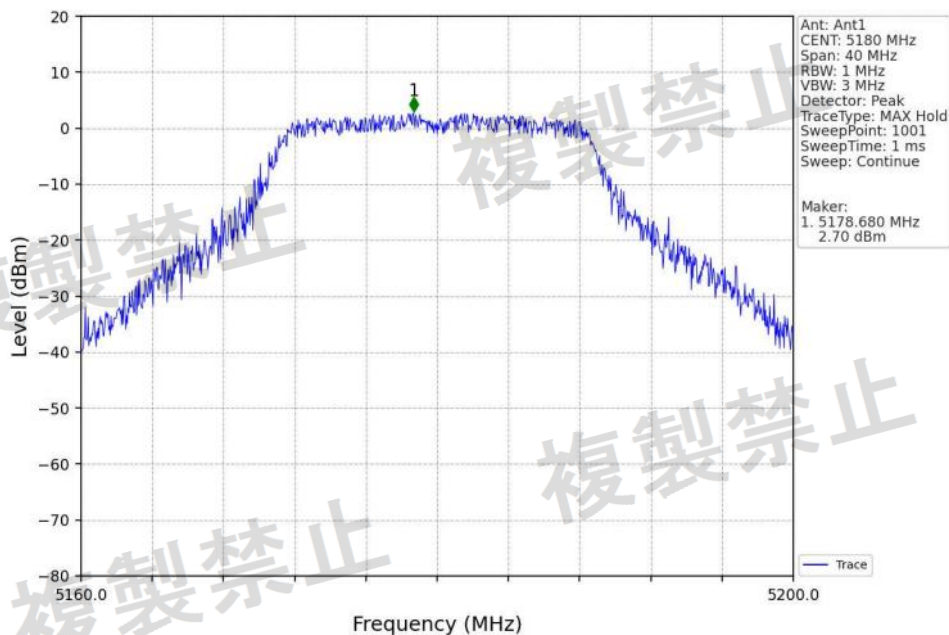


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

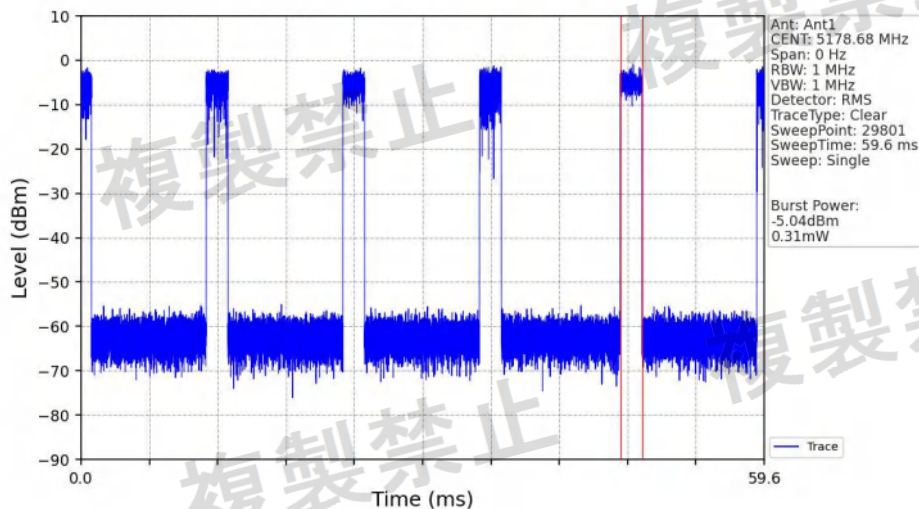


Burst No.	1	2	3	4	5
Length (ms)	0.934	0.934	0.934	0.934	0.934
Power(dBm)	-7.66	-7.67	-7.64	-7.61	-7.66
Power(mW)	0.171	0.171	0.172	0.173	0.172
Remark	/	/	/	Max	/

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

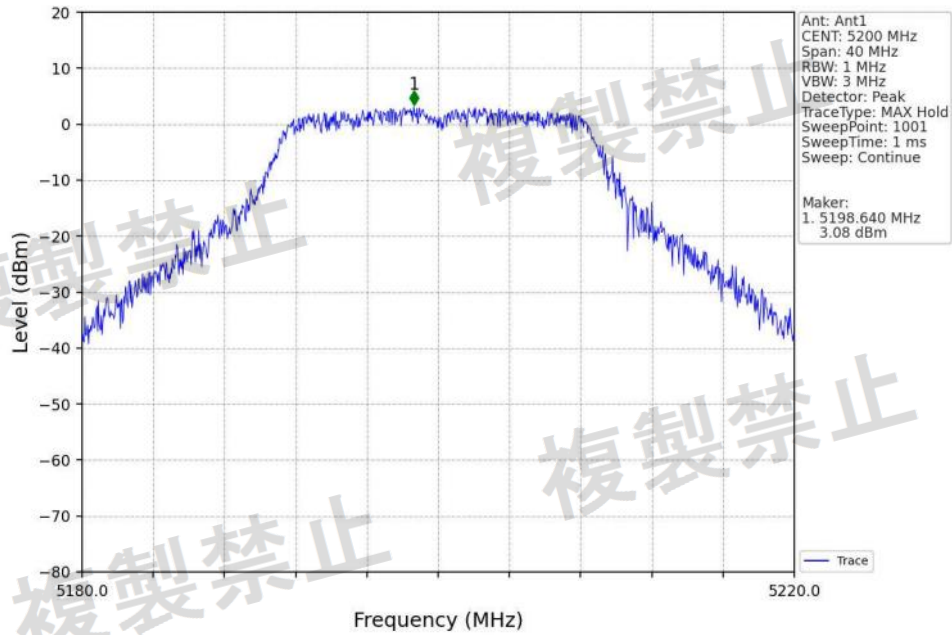


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

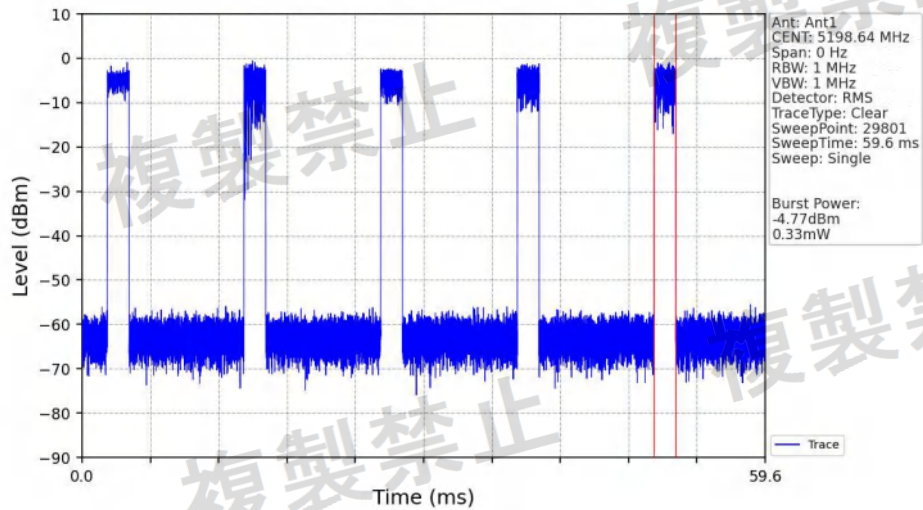


Burst No.	1	2	3	4
Length (ms)	1.902	1.902	1.904	1.902
Power(dBm)	-5.08	-5.05	-5.11	-5.04
Power(mW)	0.310	0.313	0.308	0.313
Remark	/	/	/	Max

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



Burst No.	1	2	3	4	5
Length (ms)	1.902	1.902	1.902	1.902	1.902
Power(dBm)	-4.96	-4.89	-4.86	-4.84	-4.77
Power(mW)	0.319	0.325	0.327	0.328	0.333
Remark	/	/	/	/	Max