



RF TEST REPORT

Product Name: レール式ネットワークカメラ

Model Number: IQSE-G1

Issued For : KASHIJIDAI CO., LTD

1043-1 Shindachiichiba Sennan, Osaka, Japan

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

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TEST REPORT CERTIFICATION

Applicant: KASHIJIDAI CO., LTD

Address: 1043-1 Shindachiichiba Sennan, Osaka, Japan

Manufacturer: Shenzhen H.VIEW Intelligent Technology CO., LTD.

Address: Room 605, Fukang Technology Building, Longhua Street, Looghua District, Shenzhen, Guangdong, China

Product Name: レール式ネットワークカメラ

Trademark: IQSE

Model Number: IQSE-G1

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
Article 2 Paragraph 1 of Item 19-3, annex 45 Notification No.88	PASS

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Revision History

Rev.	Issue Date	Contents
00	May 29, 2026	Initial Issue



1. SUMMARY OF THE TEST RESULTS

Test procedures according to the technical standards: Article 2 Paragraph 1 of Item 19-3, annex 45, Notification No.88.

Description of Test	Remark
Frequency Error	PASS
Occupied Bandwidth (99%)	PASS
Unwanted Emission Intensity	PASS
Antenna Power Error	PASS
E.I.R.P	PASS
Limitation of Collateral Emission of Receiver	PASS
High Frequency/modulation section cannot be opened easily	PASS/Note(3)
Communication Method	Note(4)
Modulation method	Please refer to section 2.1
Signal transmission rate	Please refer to section 2.1
Burst Length	PASS
Adjacent channel power tolerance	PASS
Interference prevention function	PASS
Carrier sense capability	PASS
Number of carrier	Note(2)
Transmission power control function (TPC)	Note(5)

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) This device has more than 1 subcarrier in 1MHz, compliances with the requirement.
- (3) Please refer to Japan Radio Protection Declaration
- (4) The EUT communication method belong to Duplex.
- (5) The EUT not support TPC function and is a client device.



1.1 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95%**.

No.	Item	Uncertainty
1	RF Output Power, Conducted	$\pm 0.71\text{dB}$
2	Conducted emission	$\pm 2.80\text{dB}$
3	Temperature	$\pm 0.5^{\circ}\text{C}$

Note: The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	レール式ネットワークカメラ		
Test Model Number:	IQSE-G1		
Series Number:	N/A		
Model Difference:	N/A		
Product Description:	Operation Frequency:	IEEE 802.11a/n/ac/ax(20MHz)	5.180GHz-5.240GHz
		IEEE 802.11n/ac/ax(40MHz)	5.190GHz-5.230GHz
		IEEE 802.11ac/ax(80MHz)	5.210GHz
	Modulation Type:	802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n: HT20/HT40(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac: VHT20/VHT40/VHT80(OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM 802.11ax: OFDM/ 1024-QAM, OFDM /256-QAM, OFDM /64-QAM, 16-QA, QPSK, BPSK	
	Antenna Designation:	FPC Antenna	
	Antenna Gain(dBi):	3.2	
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.		
Channel List:	Please see Note 3		
Rating:	Input: 100-240V~, 50/60Hz, 2A		
Battery:	Capacity: 8000mAh Rated Voltage: 3.7V		
Hardware Version:	N/A		
Software Version:	N/A		

Note:

1. The EUT not support TPC function and is a client device.
2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.



3.

Channel List for 802.11a/n(20MHz)/ac/ax(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Channel List for 802.11n(40MHz)/ac/ax(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Channel List for 802.11ac/ax(80MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel:

Channel List for 802.11 a/n/ac/ax(20MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
Band I	CH36	5180
Band I	CH40	5200
Band I	CH48	5240

Channel List for 802.11 n/ac/ax(40MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
Band I	CH 38	5190
Band I	CH46	5230

Channel List for 802.11ac/ax(80MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
Band I	CH 42	5210



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a HT20 CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11n HT20 CH36&CH40&CH48	MCS 0
Mode 3	TX IEEE 802.11n HT40 CH38&CH46	MCS 0
Mode 4	TX IEEE 802.11ac HT20&ax HE20 CH36&CH40&CH48	NSS1 MCS0
Mode 5	TX IEEE 802.11ac HT20&ax HE40 CH38&CH46	NSS1 MCS0
Mode 6	TX IEEE 802.11ac VHT80&ax HE80 CH42	NSS1 MCS0

2.3 TABLE FOR PARAMETERS OF THE TEST SOFTWARE SETTING

Type	Mode Or Modulation type	Power Class	Software For Testing
5G WIFI Band1 (5150MHz- 5250MHz)	802.11a	Default	CMD
	802.11n(HT20)	Default	
	802.11n(HT40)	Default	
	802.11ac(VHT20)	Default	
	802.11ac(VHT40)	Default	
	802.11ac(VHT80)	Default	
	802.11ax(HE20)	Default	
	802.11ax(HE40)	Default	
	802.11ax(HE80)	Default	



2.4 TEST CONDITIONS

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input DC Power(V)	3.7	4.07	3.33
RF Chip Input DC Power(V)	3.300	3.322	3.281
Voltage Variation (%)	/	0.67	-0.58

Note: 1. Voltage Variation (%)

= (RF chip Input high or Low Voltage - RF chip Input Normal Voltage)/ RF chip Input Normal Voltage* 100

2. RF chip Input DC power fluctuation is verified at the power input PIN of the RF chip.

When the input supply voltage to the EUT from the external power source is varied by +/- 10%, the output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%, and the DC power fluctuation at the power input PIN of the RF chip is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

2.5 TEST ENVIRONMENTAL

During the measurement the environmental conditions:

Normal Temperature: 24.5°C

Relative Humidity: 53 %

Air Pressure: 101.78 kPa



2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.7 EQUIPMENTS LIST FOR ALL TEST ITEMS

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until	Classification
Signal Analyzer	Keysight	N9020A	MY50530994	2026-03-02	2027-03-01	(c)
Power Sensor	R&S	NRP8S	104963	2026-03-02	2027-03-01	(c)
RF Automatic Test system	TST	TST PASS	293	2025-07-15	2026-07-14	(c)
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2026-03-03	2027-03-02	(c)
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025-07-30	2026-07-29	(c)
Attenuator	eastsheep	90db	N.A	2026-03-02	2027-03-01	(c)
Temperature & Humidity	JINGCHUAN G	BT-3	N.A	2026-03-05	2027-03-04	(c)
Digital multimeter	MASTECH	MS8261	MBGBC83053	2025-07-30	2026-07-29	(c)
DC source	Keysight	E3634A	MY58036468	2026-03-05	2027-03-04	(c)
Testing Software	TST Pass_2.0.2					

Remark:

(a) Calibration conducted by the National institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph(1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (ActNo. 51 of 1992).

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c)

From JRL Article 24-2, paragraph 4, Item 2

Notice: Calibration duration for above equipments is 1 year.

Test Equipment Calibration

All of the test equipment is effective use and calibration certification institution, LISAI, the address is No.8.South Street Shi li institute Guangzhou.Guangdong.China



3. FREQUENCY ERROR

3.1 LIMIT

Item	Limits
Frequency Error	$\pm 20\text{ppm}$

3.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

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

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

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

3.3 TEST SETUP



3.4 TEST RESULT

For the measurement records, refer to the appendix I.



4. ANTENNA POWER AND EIRP POWER

4.1 LIMIT

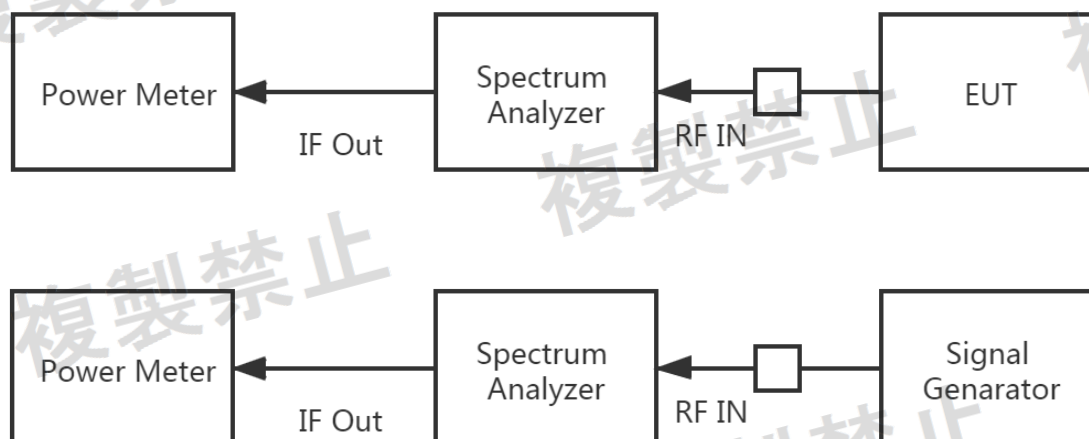
Item	Operation Band	Limits			
		20MHz system	40MHz system	80MHz system	160MHz system
Antenna Power	W52/W53	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less	1.25mW/MHz or less
	W56	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less	1.25mW/MHz or less
Radiation power EIRP	W52	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less	1.25mW/MHz or less
	W53	10mW/MHz or less:with TPC 5mW/MHz or less:without TPC	5mW/MHz or less:with TPC 2.5mW/MHz or less:without TPC	2.5mW/MHz or less:with TPC 1.25mW/MHz or less:without TPC	1.25mW/MHz or less:with TPC 0.625mW/MHz or less:without TPC
	W56	50mW/MHz or less:with TPC 25mW/MHz or less:without TPC	25mW/MHz or less:with TPC 12.5mW/MHz or less:without TPC	12.5mW/MHz or less:with TPC 6.25mW/MHz or less:without TPC	6.25mW/MHz or less:with TPC 3.125mW/MHz or less:without TPC
Antenna Power Error	W52/W53	+20%, -80% (Base on manufacturer declare Antenna power density)			
	W56	+50%, -50% (Base on manufacturer declare Antenna power density)			

4.2 TEST PROCEDURE

1. A power meter is connected on the IF output port of the spectrum analyzer.
2. EUT turn to test frequency channel and keep continuous transmitting
3. Connected the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operation frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averGauging: off; span: 3 times the spectrum width; amplitude: adjust for middle of the instrument' range.
4. Reading the output power from the Power meter as P_{EUT}
5. Turn the Signal generator to frequency channel the same as the EUT
6. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operation frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averGauging: off; span: 3 times the spectrum width; amplitude: adjust for middle of the instrument' range.
7. Turn the level of Signal generator, scan with the power meter until the power equal to P_{EUT} , the level of Signal generator recorded as "P"
8. The antenna power of EUT is "P".
9. EIRP power="P"+antenna gain



4.3 TEST SETUP



4.4 TEST DEVIATION

There is no deviation with the original standard.

4.5 TEST RESULT

For the measurement records, refer to the appendix I.



5. OCCUPIED BANDWITH AND SPREADING BANDWIDTH

5.1 LIMIT

Item	Operation Band	Limits			
		20MHz system	40MHz system	80MHz system	160MHz system
Occupied BandWidth:	W52	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$	$\leq 160\text{MHz}$
	W53	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$	$\leq 160\text{MHz}$
	W56	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$	$\leq 160\text{MHz}$

5.2 TEST PROCEDURES

1. Setting of SA is following as: RB: 100KHz / VB:300KHz / SPAN: 40/80/160MHz
Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode(For FHSS Device).
3. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

5.3 TEST SETUP



5.4 TEST DEVIATION

There is no deviation with the original standard.

5.5 TEST RESULT

For the measurement records, refer to the appendix I.



6. UNWANTED EMISSION INTENSITY MEASUREMENT

6.1 LIMIT

W52	Bandwidth(MHz)		Measured Frequency Range	Limit
	20	OBW $\leq$ 18MHz	5142.0 MHz or less	2.5 μ W/MHz
			5142.0 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5251.0 MHz	10.0 ^{1-(f-9)} mW/MHz
			5251.0 ~ 5260.0 MHz	10.0 ^{-1-(8/90)(f-11)} mW/MHz
			5260.0 ~ 5266.7 MHz	10.0 ^{-1.8-(6/50)(f-20)} mW/MHz
			5266.7 MHz or more	2.5 μ W/MHz
		OBW:18-20MHz	5142.0 MHz or less	2.5 μ W/MHz
			5142.0 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5250.2 MHz	10 ^{1-(8/3)(ff-9.75)} mW/MHz
			5250.2 ~ 5251.0 MHz	10.0 ^{1-(f-9)} mW/MHz
			5251.0 ~ 5260.0 MHz	10.0 ^{-1-(8/90)(f-11)} mW/MHz
			5260.0 ~ 5266.7 MHz	10.0 ^{-1.8-(6/50)(f-20)} mW/MHz
			5266.7 MHz or more	2.5 μ W/MHz
	40		5141.6 MHz or less	2.5 μ W/MHz
			5141.6 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5251.0 MHz	10.0 ^{-(f-20)+log(1/2)} mW/MHz
			5251.0 ~ 5270.0 MHz	10.0 ^{-(8/190)(f-21)-1+log(1/2)} mW/MHz
			5270.0 ~ 5278.4 MHz	10.0 ^{-(3/50)(f-40)-1.8+log(1/2)} mW/MHz
			5278.4 MHz or more	2.5 μ W/MHz
		80		5123.2 MHz or less
			5123.2 - 5150 MHz	15.0 μ W/MHz
			5250 - 5251 MHz	10.0 ^{-(f-40)+log(1/4)} mW/MHz
			5251 - 5290 MHz	10.0 ^{-(8/390)(f-41)-1+log(1/4)} mW/MHz
			5290 - 5296.7 MHz	10.0 ^{-(3/100)(f-80)-1.8+log(1/4)} mW/MHz
			5296.7 MHz or more	2.5 μ W/MHz
	160			5099.6 MHz or less
			5099.6 - 5150 MHz	15.0 μ W/MHz
			5350 - 5400 MHz	15.0 μ W/MHz
		5400.4 MHz or more	2.5 μ W/MHz	
W53	Bandwidth(MHz)		Measured Frequency Range	Limit



	20	OBW $\leq$ 18MHz	5233.3 MHz or less	2.5 μ W/MHz
			5233.3 ~ 5240.0 MHz	$10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
			5240.0 ~ 5249.0 MHz	$10.0^{-1-(8/90)(f-11)}$ mW/MHz
			5249.0 ~ 5250.0 MHz	$10.0^{1-(f-9)}$ mW/MHz
			5350.0 MHz or more	2.5 μ W/MHz
		OBW:18-20MHz	5233.3 MHz or less	2.5 μ W/MHz
			5233.3 ~ 5240.0 MHz	$10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
			5240.0 ~ 5249.0 MHz	$10.0^{-1-(8/90)(f-11)}$ mW/MHz
			5249.0 ~ 5249.8 MHz	$10.0^{1-(f-9)}$ mW/MHz
			5249.8 ~ 5250.0 MHz	$10^{1-(8/3)(ff-9.75)}$ mW/MHz
			5350.0 MHz or more	2.5 μ W/MHz
	40		5221.6 MHz or less	2.5 μ W/MHz
			5221.6 ~ 5230.0 MHz	$10.0^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
			5230.0 ~ 5249.0 MHz	$10.0^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
			5249.0 ~ 5250.0 MHz	$10.0^{-(f-20)+\log(1/2)}$ mW/MHz
			5350.0 ~ 5358.4 MHz	15 μ W/MHz
			5358.4 MHz or more	2.5 μ W/MHz
	80		5203.3 MHz or less	2.5 μ W/MHz
			5203.3 ~ 5210.0 MHz	$10.0^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
			5210.0 ~ 5249.0 MHz	$10.0^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
			5249.0 ~ 5250.0 MHz	$10.0^{-(f-40)+\log(1/4)}$ mW/MHz
			5350.0 ~ 5376.8 MHz	15 μ W/MHz
			5376.8 MHz or more	2.5 μ W/MHz
	160		5099.6 MHz or less	2.5 μ W/MHz
			5099.6 - 5150 MHz	15.0 μ W/MHz
			5350 - 5400 MHz	15.0 μ W/MHz
			5400.4 MHz or more	2.5 μ W/MHz
W56	20	Bandwidth(MHz)	Measured Frequency Range	Limit
			5460 MHz or less	2.5 μ W/MHz
			5460.0 ~ 5470.0 MHz	12.5 μ W/MHz
			5745.0 ~ 5765.0 MHz	12.5 μ W/MHz
			Over 5765 MHz	2.5 μ W/MHz
	40		5460 MHz or less	12.5 μ W/MHz
			5460.0 ~ 5470.0 MHz	50 μ W/MHz

80	5770 MHz or more	12.5 μ W/MHz
	5460 MHz or less	12.5 μ W/MHz
	5460.0 ~ 5469.5 MHz	50 μ W/MHz
	5469.5 ~ 5470.0 MHz	51.2 μ W/MHz
	5770 MHz or more	12.5 μ W/MHz
160	5419.6 MHz or less	12.5 μ W/MHz
	5419.6 ~ 5470 MHz	50 μ W/MHz
	5725 MHz or more	12.5 μ W/MHz

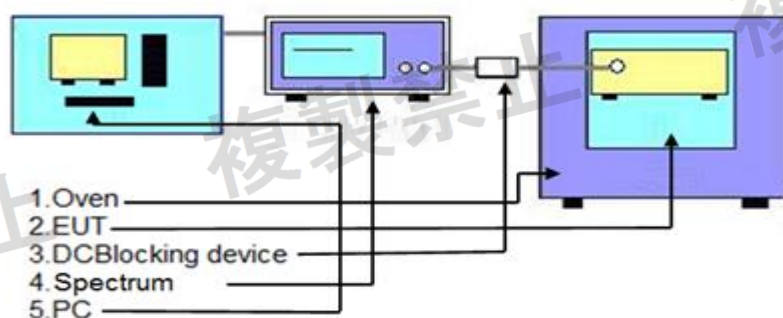
6.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	100KHz /100KHz (30 MHz $\leq$ f $\leq$ 1000 MHz) 1MHz /1MHz (1000 MHz $\leq$ f)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB:100KHz/1MHz ,VB:100KHz/1MHz Sweep time: Auto Sweep Mode: Continuous sweep / Detect mode: Positive peak/ Trace mode: Max hold
3. Setting the frequency, then to mark peak reading value + cable loss shall be less section 7.1

6.3 TEST SETUP



6.4 TEST DEVIATION

There is no deviation with the original standard.

6.5 TEST RESULT

For the measurement records, refer to the appendix I.



7. IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

7.1 LIMIT

Item	Operation band	Limits	
RX Spurious Emission:	W52/W53	20MHz system	$\leq 4\text{nW}$ ($f \leq 1\text{GHz}$)
		40MHz system	
		80MHz system	
		160MHz system	
	W56	20MHz system	$\leq 20\text{nW}$ ($1\text{GHz} \leq f \leq 26.5\text{GHz}$)
		40MHz system	
		80MHz system	
		160MHz system	

7.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

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

1. EUT have the continuous reception mode and fixed only one channelize.
2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) /
AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 26500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
5. If power level of lower emissions are more than 1/10 of limit (.0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

7.3 TEST RESULT

For the measurement records, refer to the appendix I.



8. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

8.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

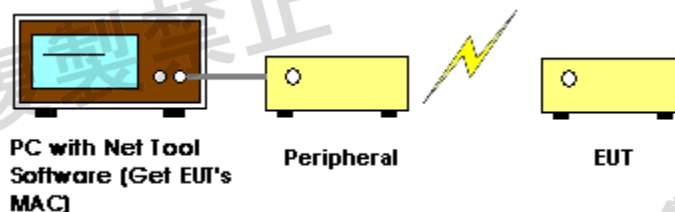
8.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

8.3 TEST PROCEDURES

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

8.4 TEST SETUP



8.5 TEST DEVIATION

There is no deviation with the original standard.

8.6 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

The MAC address is 5A:CC:E2:76:9F:3F.

上网主机列表		设备黑名单
我家的电脑和手机(3台设备在线)		
DESKTOP-E1JHKVE 在线时长: 1分钟 有线	IP: 192.168.100.190 MAC: 24:81:C7:A4:27:29	↑ 上行网速: 2.1KB/s ↓ 下行网速: 5.3KB/s 限速 拉黑
IQSE-G1 在线时长: 1分钟 Wi-Fi (5G)	IP: 192.168.100.87 MAC: 5A:CC:E2:76:9F:3F	↑ 上行网速: 0KB/s ↓ 下行网速: 24.2KB/s 限速 拉黑
IQSE-G1 在线时长: 1分钟 Wi-Fi (2.4G)	IP: 192.168.100.39 MAC: A2:13:D4:36:82:93	↑ 上行网速: 14.5KB/s ↓ 下行网速: 765.6KB/s 限速 拉黑

9. CARRIER SENSE CAPABILITY

9.1 TEST REQUIREMENT

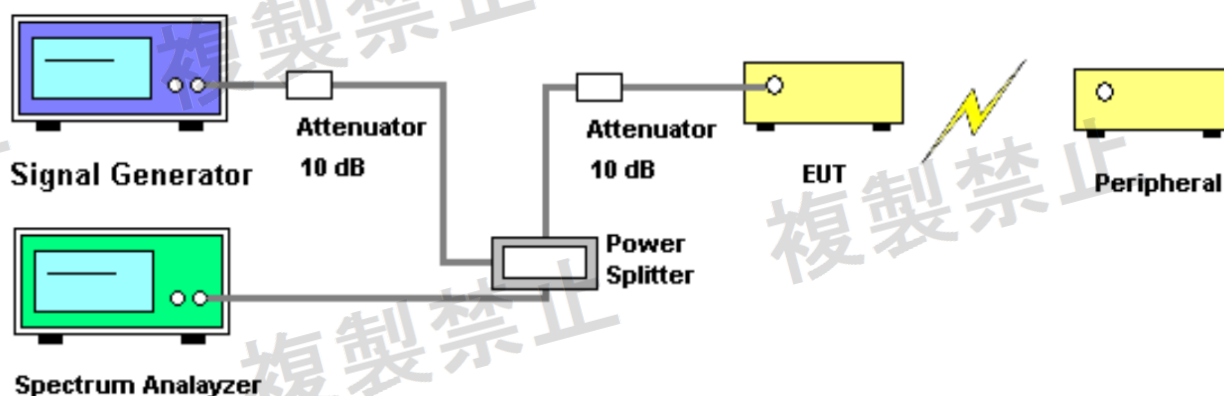
MIC Notice No.88 Appendix No.45

Article 2, Paragraph 1, Item 19-3 Rules

9.2 TEST PROCEDURE

SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is (Equal to the value of the electric field strength to 100mV / m).

2. Turn off the RF signal of the SG.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Setting of SA :RBW/VBW=1MHz/1MHz,,Sweep time=auto,Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.
6. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous



9.3 TEST RESULT

For the measurement records, refer to the appendix I.



10. ADJACENT CHANNEL POWER

10.1 LIMIT

Item	Operation band	Occupied Bandwidth	Limits		
Adjacent Channel Power	W52/W53/W56	20MHz system	$OBW \leq 18\text{MHz}$	$F_c \pm 20\text{MHz} \pm 9\text{MHz}$	BW: -25dBc or less
				$F_c \pm 40\text{MHz} \pm 9\text{MHz}$	BW: -40dBc or less
			$18\text{MHz} \leq OBW \leq 20\text{MHz}$	$F_c \pm 20\text{MHz} \pm 10\text{MHz}$	BW: -25dBc or less
				$F_c \pm 40\text{MHz} \pm 10\text{MHz}$	BW: -40dBc or less
		40MHz system	$F_c \pm 40\text{MHz} \pm 20\text{MHz}$		BW: -25dBc or less
			$F_c \pm 80\text{MHz} \pm 20\text{MHz}$		BW: -40dBc or less
		80MHz system	$F_c \pm 80\text{MHz} \pm 40\text{MHz}$		BW: -25dBc or less

10.2 TEST PROCEDURES

- Setting of SA is following as: RB: 300KHz / VB:300KHz / SPAN: 100MHz/200MHz/400MHz
Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: peak
Trace mode: Max hold/ Sweep Time Auto

10.3 TEST SETUP



10.4 TEST DEVIATION

There is no deviation with the original standard.

10.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

10.6 TEST RESULT

For the measurement records, refer to the appendix I.



11. BURST LENGTH

11.1 LIMIT

Item	Limits
Adjacent Channel Power:	8ms or less

11.2 TEST PROCEDURES

1. Connected the EUT's Antenna port to the Spectrum Analyzer by suitable attenuator,
Setting of SA is following as: RB: 1MHz / VB: 1MHz
Sweep time: 3ms / Detect mode: clear write Trace mode: normal

11.3 TEST SETUP



11.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.5 TEST RESULT

For the measurement records, refer to the appendix I.



APPENDIX I - TEST RESULTS

1. DUTY CYCLE

1.1 Test Result

1.1.1 Ant1

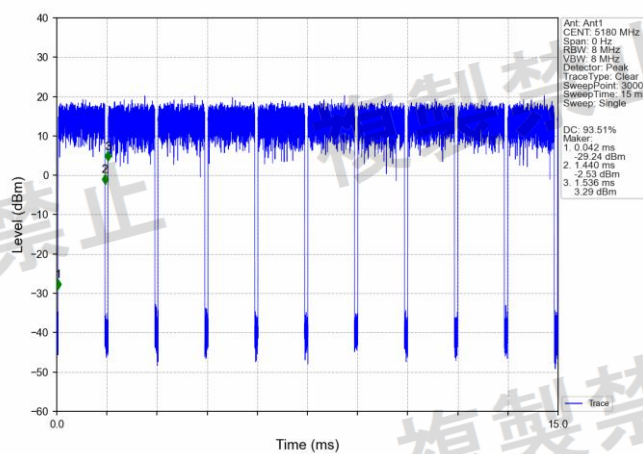
Ant1										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	5180	/	/	1.398	1.495	93.51	0.29	0.03
			5200	/	/	1.398	1.495	93.51	0.29	0.03
			5240	/	/	1.398	1.495	93.51	0.29	0.03
	802.11n (HT20)	SISO	5180	/	/	1.309	1.406	93.10	0.31	0.03
			5200	/	/	1.310	1.407	93.11	0.31	0.03
			5240	/	/	1.309	1.406	93.10	0.31	0.03
	802.11n (HT40)	SISO	5190	/	/	0.654	0.747	87.55	0.58	0.07
			5230	/	/	0.654	0.748	87.43	0.58	0.21
	802.11ac (VHT80)	SISO	5210	/	/	0.330	0.423	78.01	1.08	0.12
	802.11ax (HEW80)	SISO	5210	SU	/	0.325	0.358	90.78	0.42	0.04



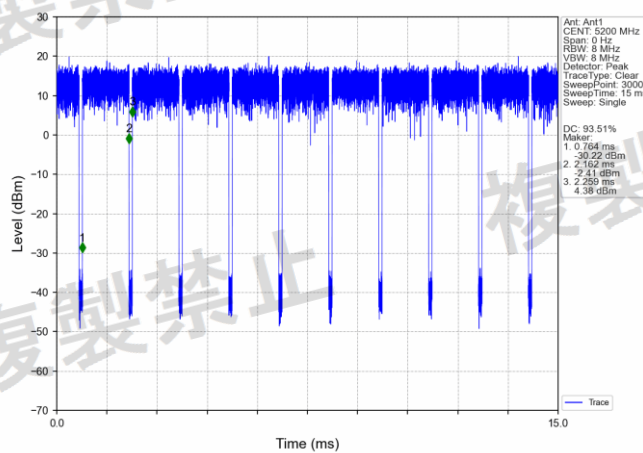
1.2 Test Graph

1.2.1 Ant1

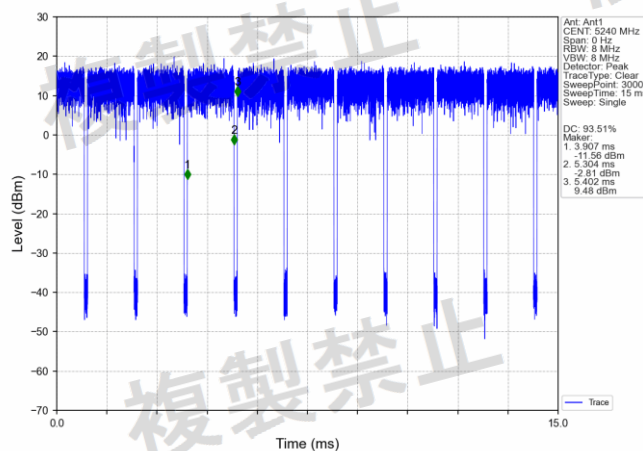
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

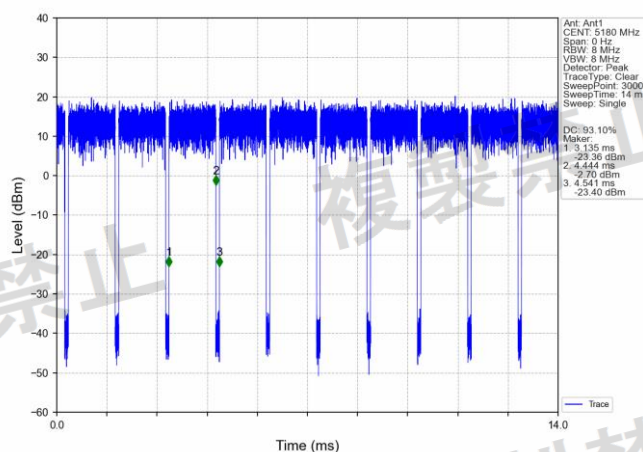


802.11a_HCH_5240MHz_Ant1_NTNV

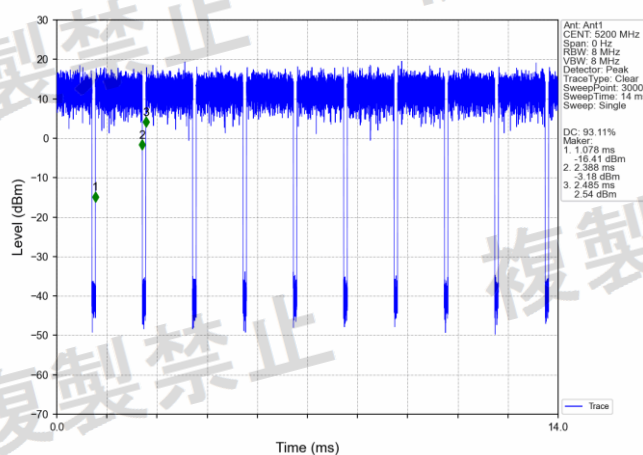




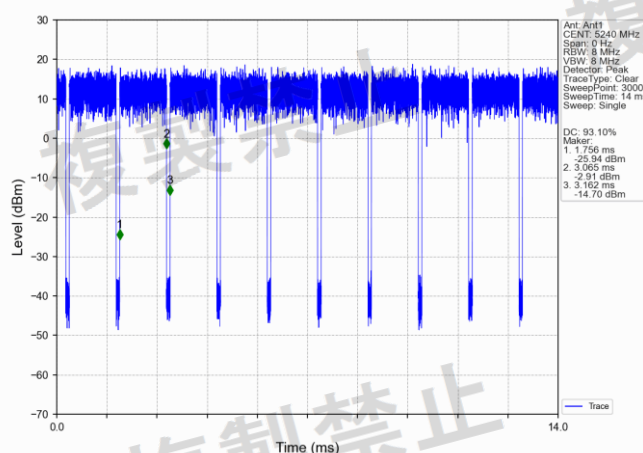
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

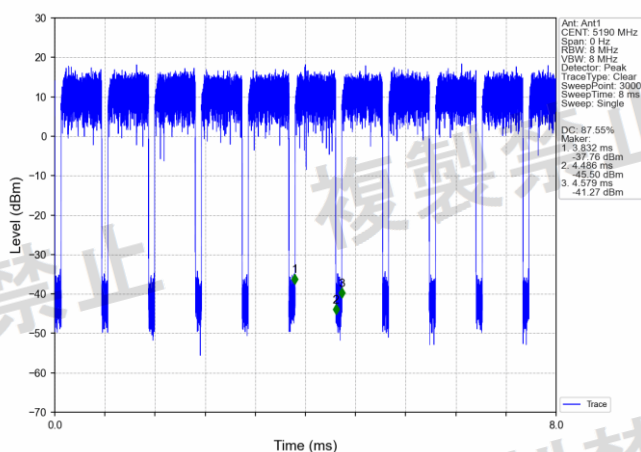


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

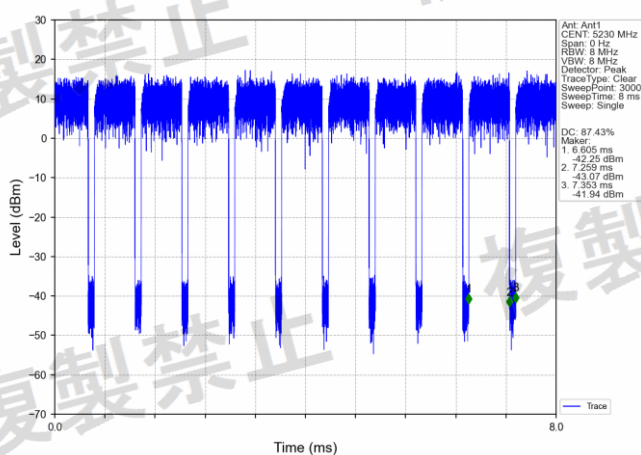




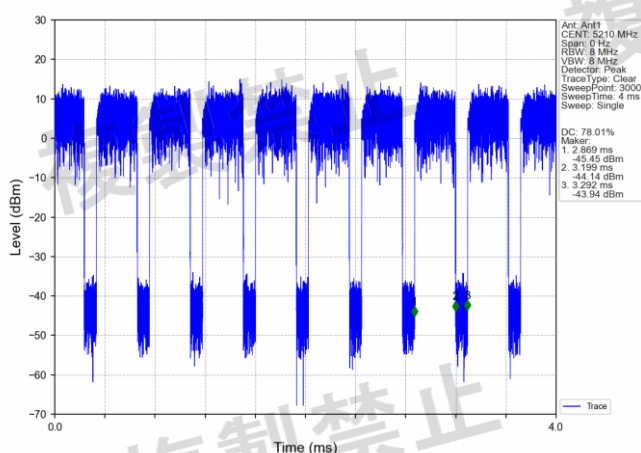
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

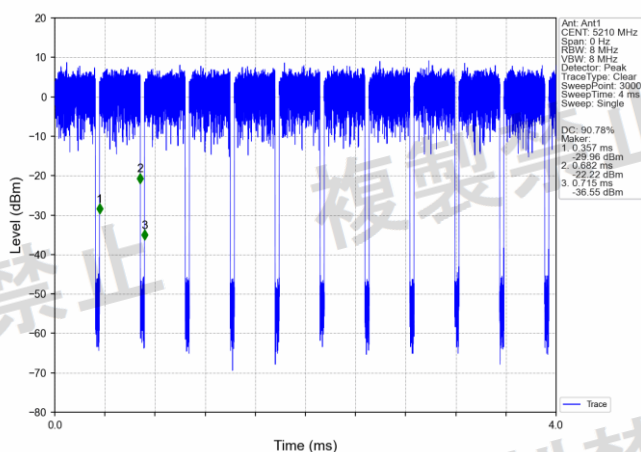


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV





802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1_NTNV





2. FREQUENCY ERROR

2.1 Test Result

2.1.1 Ant1

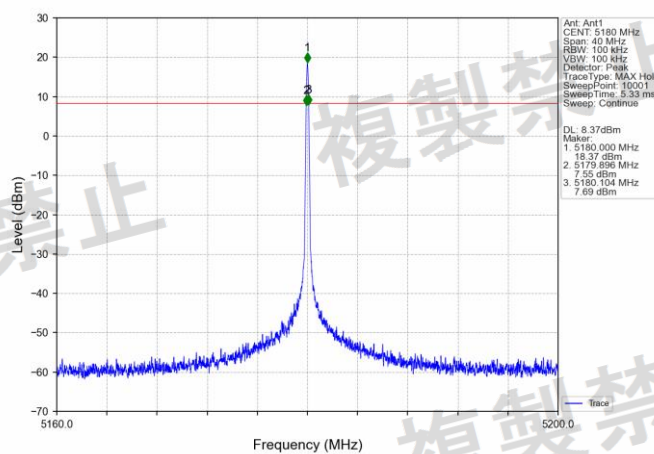
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	802.11a	SISO	5180	5180.000	0.00	-20 to 20	Pass
			5200	5199.998	-0.38	-20 to 20	Pass
			5240	5239.998	-0.38	-20 to 20	Pass



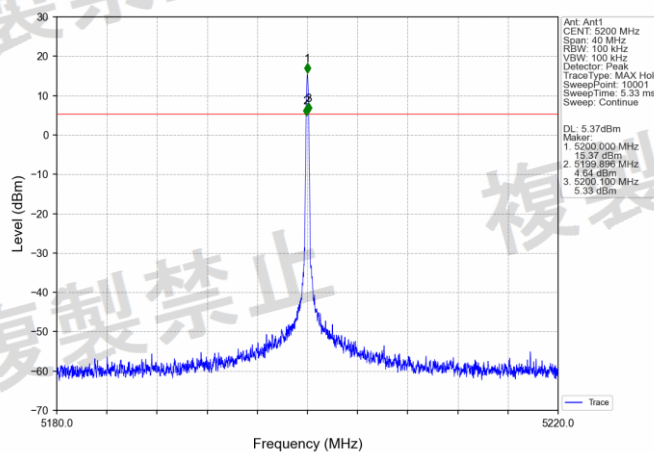
2.2 Test Graph

2.2.1 Ant1

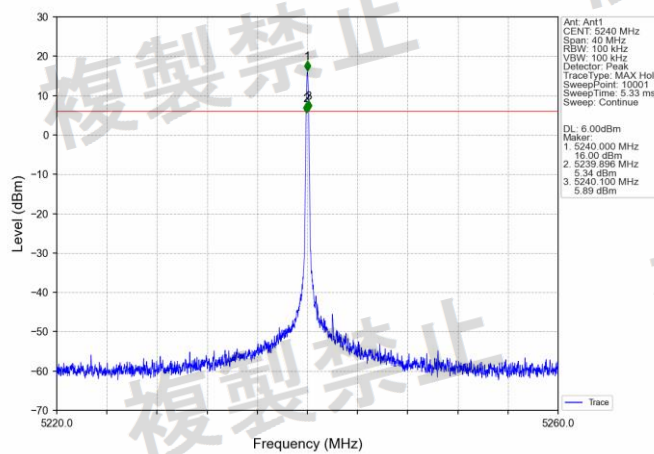
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV





3. OCCUPIED BANDWIDTH

3.1 Test Result

3.1.1 OBW

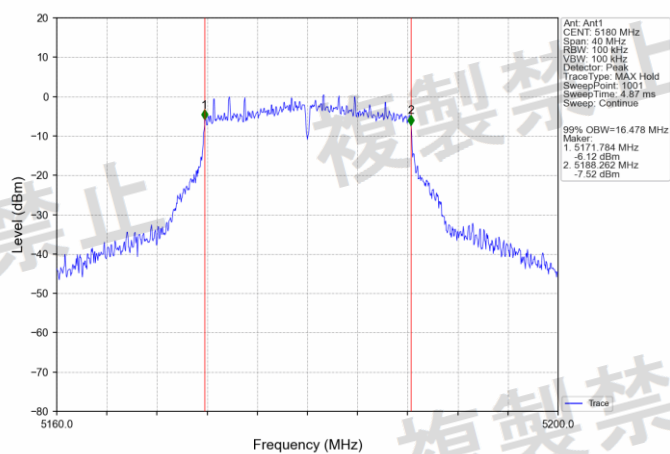
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)		Verdict
						ANT1	Limit	
NTNV	802.11a	SISO	5180	/	/	16.478	<=20	Pass
			5200	/	/	16.562	<=20	Pass
			5240	/	/	16.540	<=20	Pass
	802.11n (HT20)	SISO	5180	/	/	17.658	<=20	Pass
			5200	/	/	17.736	<=20	Pass
			5240	/	/	17.730	<=20	Pass
	802.11n (HT40)	SISO	5190	/	/	36.220	<=40	Pass
			5230	/	/	36.353	<=40	Pass
	802.11ac (VHT80)	SISO	5210	/	/	75.402	<=80	Pass
	802.11ax (HEW80)	SISO	5210	SU	/	75.085	<=80	Pass



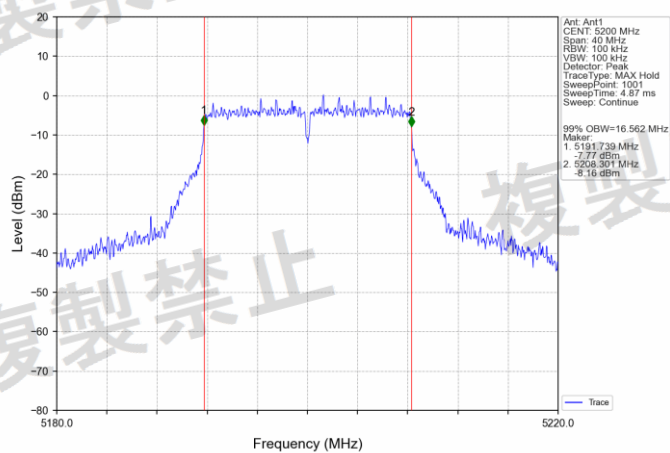
3.2 Test Graph

3.2.1 OBW

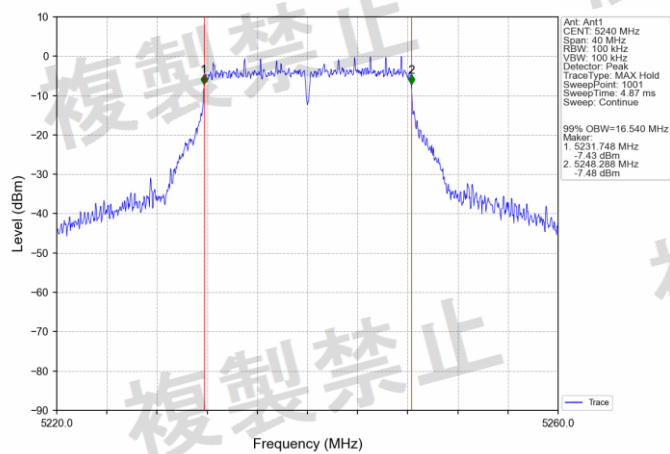
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV

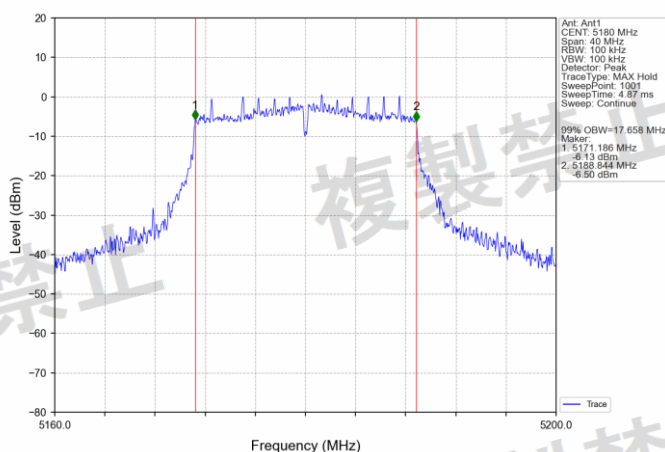


802.11a_HCH_5240MHz_Ant1_NTNV

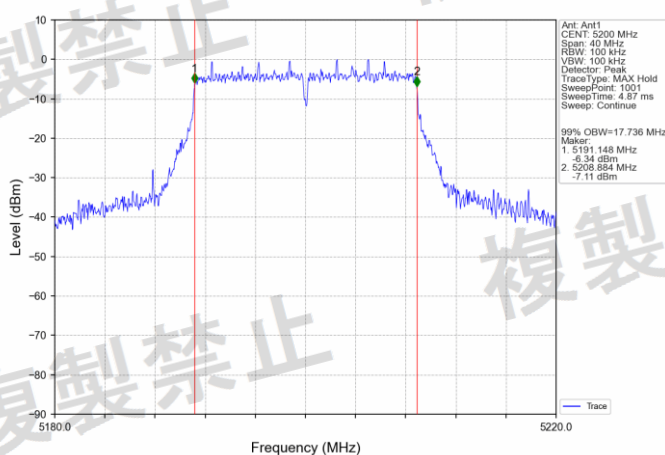




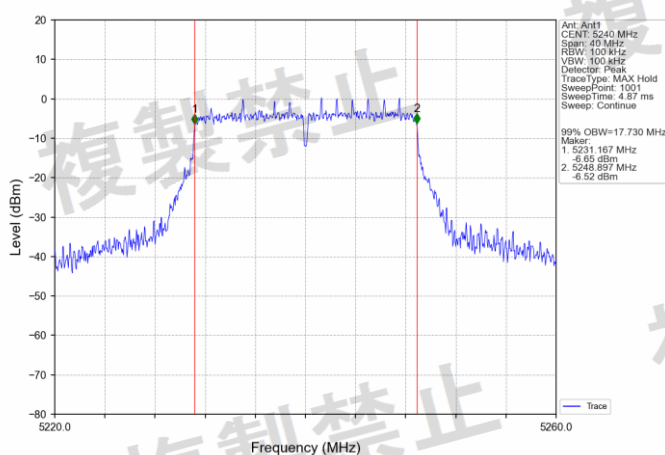
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

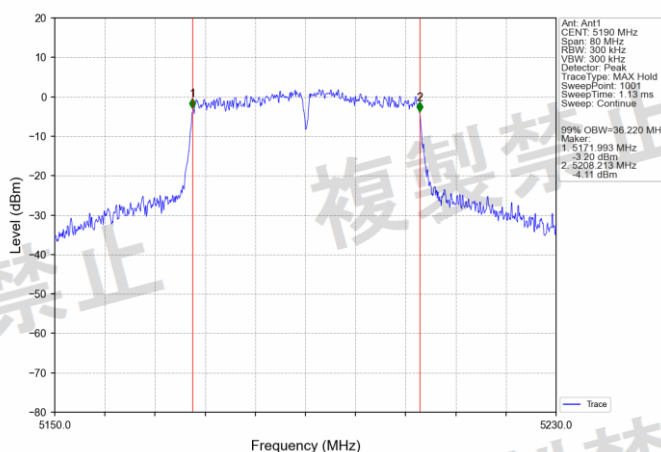


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

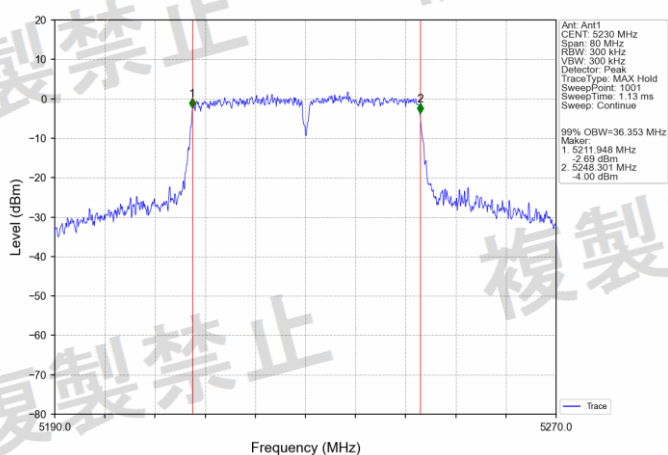




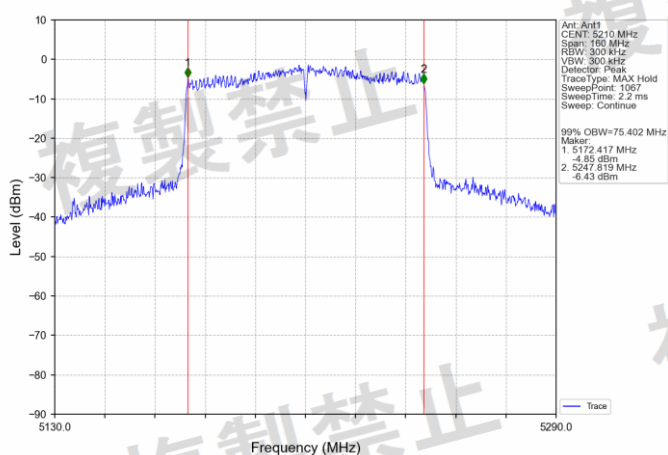
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

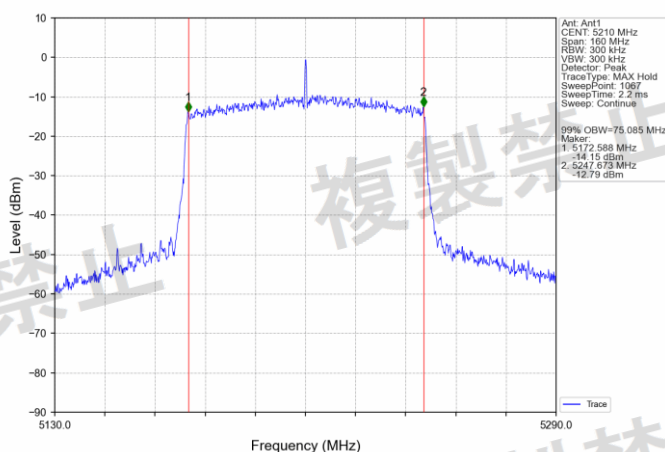


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV





802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV





4. ANTENNA POWER

4.1 Test Result

4.1.1 Power NTN

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	1.328	<=10.00	1.300	2.15	-80 to 20	Pass
		5200	/	/	1	1.082	<=10.00	1.300	-16.77	-80 to 20	Pass
		5240	/	/	1	1.048	<=10.00	1.300	-19.38	-80 to 20	Pass
802.11n (HT20)	SISO	5180	/	/	1	1.304	<=10.00	1.300	0.31	-80 to 20	Pass
		5200	/	/	1	1.045	<=10.00	1.300	-19.62	-80 to 20	Pass
		5240	/	/	1	1.042	<=10.00	1.300	-19.85	-80 to 20	Pass
802.11n (HT40)	SISO	5190	/	/	1	1.004	<=5.00	1.000	0.40	-80 to 20	Pass
		5230	/	/	1	0.640	<=5.00	1.000	-36.00	-80 to 20	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	0.448	<=2.50	0.450	-0.44	-80 to 20	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	0.823	<=2.50	0.820	0.37	-80 to 20	Pass

4.1.2 EIRP NTN

NTNV									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
							Result	Limit	
802.11a	SISO	5180	/	/	1	3.20	2.77	<=10	Pass
		5200	/	/	1	3.20	2.26	<=10	Pass
		5240	/	/	1	3.20	2.19	<=10	Pass
802.11n (HT20)	SISO	5180	/	/	1	3.20	2.72	<=10	Pass
		5200	/	/	1	3.20	2.18	<=10	Pass
		5240	/	/	1	3.20	2.18	<=10	Pass
802.11n (HT40)	SISO	5190	/	/	1	3.20	2.10	<=5	Pass
		5230	/	/	1	3.20	1.34	<=5	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	3.20	0.94	<=2.5	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	3.20	1.72	<=2.5	Pass



5. ADJACENT CHANNEL LEAKAGE POWER

5.1 Test Result

5.1.1 ACLR NTN SISO

NTNV											
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Offset (MHz)	Integ BW (MHz)	Power (dBm)	Result (dBc)	Limit (dBc)	Verdict
802.11a	SISO	5180	/	/	1	-40	18	-34.48	-52.90	<=-40	Pass
						-20	18	-16.96	-35.38	<=-25	Pass
						0	18	18.42	/	/	/
						20	18	-16.37	-34.79	<=-25	Pass
						40	18	-33.77	-52.19	<=-40	Pass
		5200	/	/	1	-40	18	-33.94	-52.08	<=-40	Pass
						-20	18	-16.26	-34.40	<=-25	Pass
						0	18	18.14	/	/	/
						20	18	-15.96	-34.10	<=-25	Pass
						40	18	-33.30	-51.44	<=-40	Pass
		5240	/	/	1	-40	18	-34.39	-52.51	<=-40	Pass
						-20	18	-16.65	-34.77	<=-25	Pass
						0	18	18.12	/	/	/
						20	18	-16.65	-34.77	<=-25	Pass
						40	18	-33.34	-51.46	<=-40	Pass
802.11n (HT20)	SISO	5180	/	/	1	-40	18	-33.90	-52.17	<=-40	Pass
						-20	18	-15.52	-33.79	<=-25	Pass
						0	18	18.27	/	/	/
						20	18	-15.41	-33.68	<=-25	Pass
						40	18	-33.08	-51.35	<=-40	Pass
		5200	/	/	1	-40	18	-33.29	-51.36	<=-40	Pass
						-20	18	-15.36	-33.43	<=-25	Pass
						0	18	18.07	/	/	/
						20	18	-14.86	-32.93	<=-25	Pass
						40	18	-32.39	-50.46	<=-40	Pass
		5240	/	/	1	-40	18	-33.25	-51.42	<=-40	Pass
						-20	18	-15.19	-33.36	<=-25	Pass
						0	18	18.17	/	/	/
						20	18	-15.11	-33.28	<=-25	Pass
						40	18	-32.42	-50.59	<=-40	Pass
802.11n (HT40)	SISO	5190	/	/	1	-80	40	-29.32	-49.18	<=-40	Pass
						-40	40	-10.41	-30.27	<=-25	Pass
						0	40	19.86	/	/	/
						40	40	-9.72	-29.58	<=-25	Pass



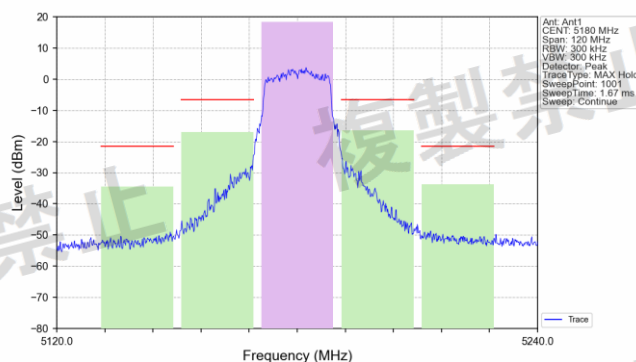
		5230	/	/	1	80	40	-28.18	-48.04	<=-40	Pass
						-80	40	-28.16	-48.19	<=-40	Pass
						-40	40	-9.58	-29.61	<=-25	Pass
						0	40	20.03	/	/	/
						40	40	-8.30	-28.33	<=-25	Pass
						80	40	-26.57	-46.60	<=-40	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	-80	80	-13.30	-32.70	<=-25	Pass
						0	80	19.40	/	/	/
						80	80	-12.27	-31.67	<=-25	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	-80	80	-29.49	-41.47	<=-25	Pass
						0	80	11.98	/	/	/
						80	80	-28.21	-40.19	<=-25	Pass



5.2 Test Graph

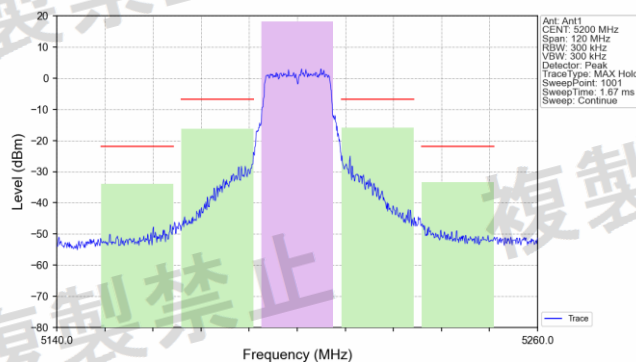
5.2.1 ACLR NTN SISO

802.11a LCH 5180MHz_Ant1_NTNV



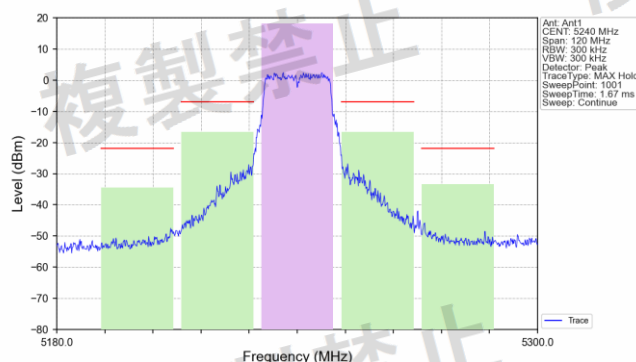
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.48	-52.90	-40	12.90	Pass
Adjacent	-20	18.00	-16.96	-35.38	-25	10.38	Pass
Carrier	/	18.00	18.42	/	/	/	/
Adjacent	20	18.00	-16.37	-34.79	-25	9.79	Pass
Alternate	40	18.00	-33.77	-52.19	-40	12.19	Pass

802.11a MCH 5200MHz_Ant1_NTNV



Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-33.94	-52.08	-40	12.08	Pass
Adjacent	-20	18.00	-16.26	-34.40	-25	9.40	Pass
Carrier	/	18.00	18.14	/	/	/	/
Adjacent	20	18.00	-15.96	-34.10	-25	9.10	Pass
Alternate	40	18.00	-33.30	-51.44	-40	11.44	Pass

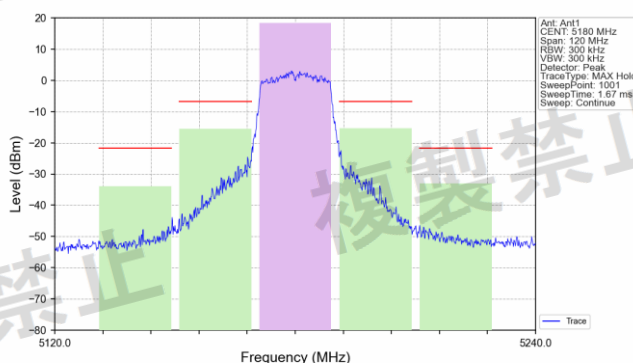
802.11a HCH 5240MHz_Ant1_NTNV



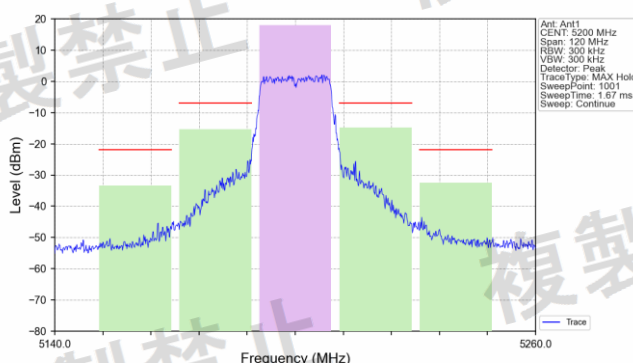
Channel	Offset (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-40	18.00	-34.39	-52.51	-40	12.51	Pass
Adjacent	-20	18.00	-16.65	-34.77	-25	9.77	Pass
Carrier	/	18.00	18.12	/	/	/	/
Adjacent	20	18.00	-16.65	-34.77	-25	9.77	Pass
Alternate	40	18.00	-33.34	-51.46	-40	11.46	Pass



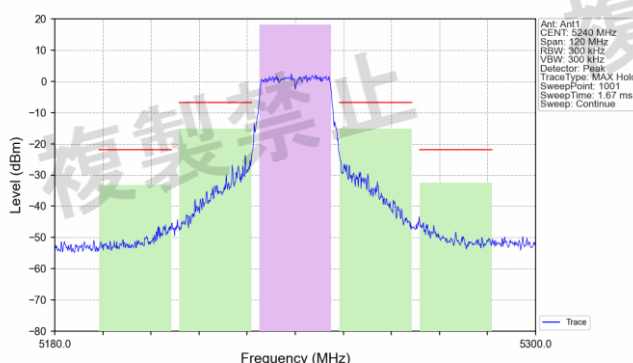
802.11n(HT20) LCH_5180MHz_Ant1_NTNV



802.11n(HT20) MCH_5200MHz_Ant1_NTNV

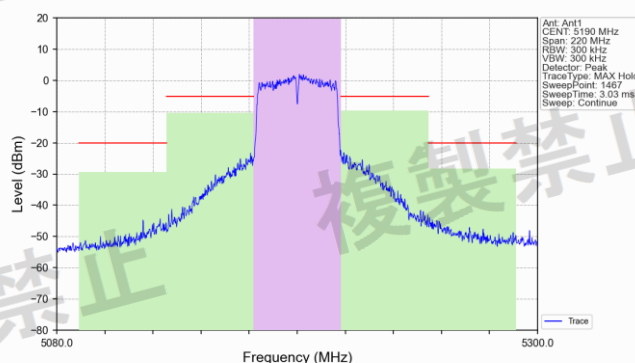


802.11n(HT20) HCH_5240MHz_Ant1_NTNV



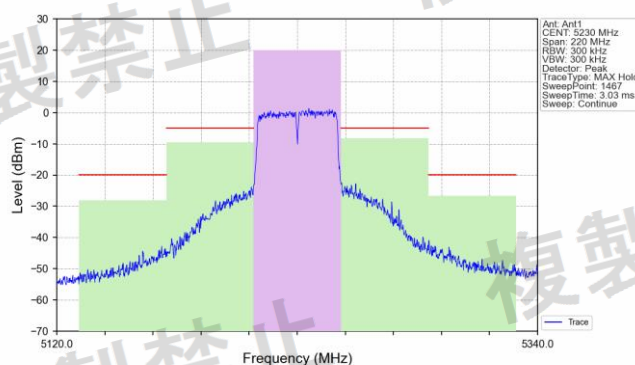


802.11n(HT40) LCH_5190MHz Ant1_NTNV



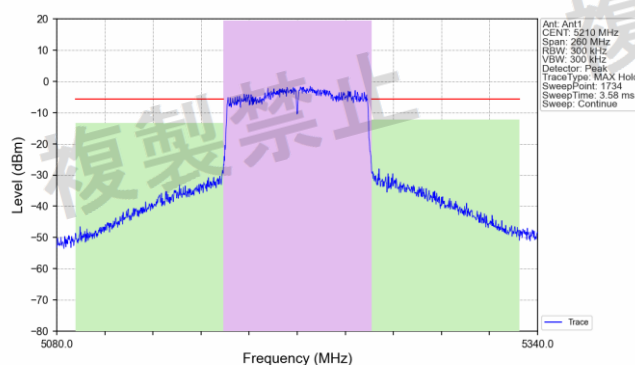
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Alternate	-80	40.00	-29.32	-49.18	-40	9.18	Pass
Adjacent	-40	40.00	-10.41	-30.27	-25	5.27	Pass
Carrier	/	40.00	19.86	/	/	/	/
Adjacent	40	40.00	-9.72	-29.58	-25	4.58	Pass
Alternate	80	40.00	-28.18	-48.04	-40	8.04	Pass

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	-28.16	-48.19	-40	8.19	Pass
Adjacent	-40	40.00	-9.58	-29.61	-25	4.61	Pass
Carrier	/	40.00	20.03	/	/	/	/
Adjacent	40	40.00	-8.30	-28.33	-25	3.33	Pass
Alternate	80	40.00	-26.57	-46.60	-40	6.60	Pass

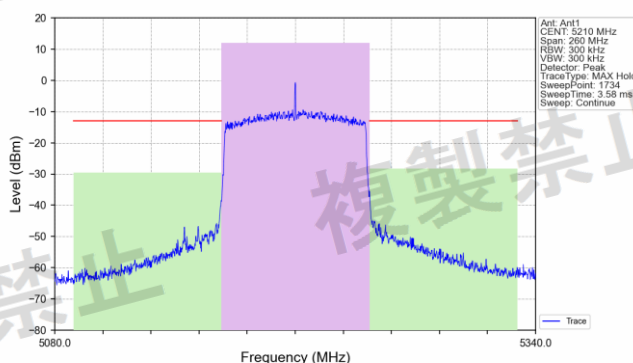
802.11ac(VHT80) MCH_5210MHz Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-13.30	-32.70	-25	7.70	Pass
Carrier	/	80.00	19.40	/	/	/	/
Adjacent	80	80.00	-12.27	-31.67	-25	6.67	Pass



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Adjacent	-80	80.00	-29.49	-41.47	-25	16.47	Pass
Carrier	/	80.00	11.98	/	/	/	/
Adjacent	80	80.00	-28.21	-40.19	-25	15.19	Pass



6. OUT OF BANDS LEAKAGE POWER

6.1 Test Result

6.1.1 OOB NTN V SISO

NTNV														
Mode	TX Type	Freq. (MHz)	RU	RU Pos	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	5149.288	-36.31	0.234	/	/	15	Pass
						5250	5251	5250.952	-41.30	0.074	/	/	111.686	Pass
						5251	5260	5259.847	-41.52	0.070	/	/	16.353	Pass
						5260	5266.7	5266.693	-41.85	0.065	/	/	2.494	Pass
		5200	/	/	1	5142	5150	5146.616	-41.94	0.064	/	/	15	Pass
						5250	5251	5250.994	-40.62	0.087	/	/	101.391	Pass
						5251	5260	5259.361	-41.88	0.065	/	/	18.063	Pass
						5260	5266.7	5266.492	-41.06	0.078	/	/	2.636	Pass
		5240	/	/	1	5142	5150	5148.216	-42.86	0.052	/	/	15	Pass
						5250	5251	5250.822	-6.86	206.063	-39.40	0.115	150.661	Pass
						5251	5260	5251.072	-10.94	80.538	/	/	98.537	Pass
						5260	5266.7	5261.139	-23.11	4.887	/	/	11.57	Pass
802.11n (HT20)	SISO	5180	/	/	1	5142	5150	5149.328	-33.30	0.468	/	/	15	Pass
						5250	5251	5250.986	-41.45	0.072	/	/	103.276	Pass
						5251	5260	5259.64	-41.85	0.065	/	/	17.061	Pass
						5260	5266.7	5266.198	-42.37	0.058	/	/	2.859	Pass
		5200	/	/	1	5142	5150	5146.504	-41.65	0.068	/	/	15	Pass
						5250	5251	5250.995	-40.75	0.084	/	/	101.158	Pass
						5251	5260	5259.694	-40.14	0.097	/	/	16.873	Pass
						5260	5266.7	5266.606	-42.18	0.061	/	/	2.554	Pass
		5240	/	/	1	5142	5150	5147.472	-42.63	0.055	/	/	15	Pass
						5250	5251	5250.921	-4.90	323.594	-22.95	5.070	119.95	Pass
						5251	5260	5253.601	-10.88	81.658	-43.96	0.040	58.722	Pass
						5260	5266.7	5260.007	-15.00	31.623	-49.47	0.011	15.818	Pass
802.11n (HT40)	SISO	5190	/	/	1	5141.6	5150	5149.79	-19.06	12.417	/	/	15	Pass
						5250	5251	5250.898	-32.40	0.575	/	/	63.237	Pass
						5251	5270	5267.131	-37.17	0.192	/	/	10.466	Pass
						5270	5278.4	5276.266	-37.99	0.159	/	/	3.334	Pass
		5230	/	/	1	5141.6	5150	5149.555	-37.45	0.180	/	/	15	Pass
						5250	5251	5250.982	-9.89	102.565	-39.56	0.111	52.116	Pass
						5251	5270	5269.24	-14.61	34.594	-31.47	0.713	8.53	Pass



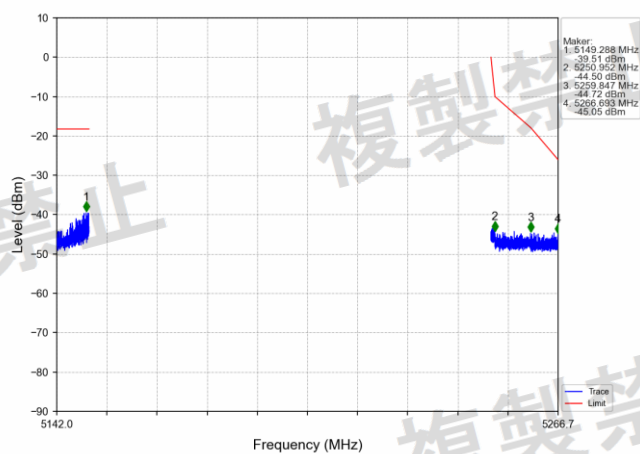
						5270	5278.4	5275.166	-16.50	22.387	-34.40	0.363	3.882	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	5123.2	5150	5147.642	-24.50	3.548	/	/	15	Pass
						5250	5251	5250.948	-13.67	42.954	-43.20	0.048	28.18	Pass
						5251	5290	5253.535	-15.48	28.314	-46.00	0.025	22.179	Pass
						5290	5296.7	5296.01	-26.65	2.163	/	/	2.616	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	5123.2	5150	5149.973	-38.91	0.129	/	/	15	Pass
						5250	5251	5250.93	-25.99	2.518	/	/	29.372	Pass
						5251	5290	5251.039	-29.45	1.135	/	/	24.954	Pass
						5290	5296.7	5296.539	-45.92	0.026	/	/	2.522	Pass



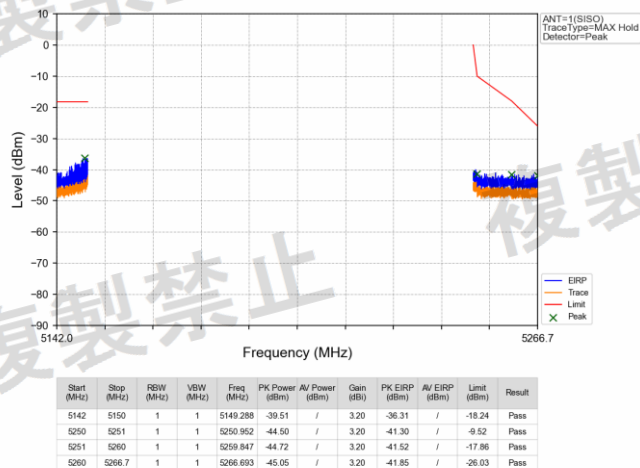
6.2 Test Graph

6.2.1 OOB NTNV SISO

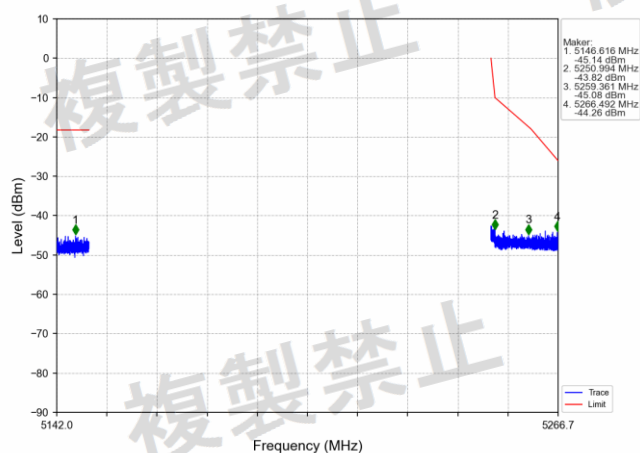
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_LCH_5180MHz_Ant1_NTNV

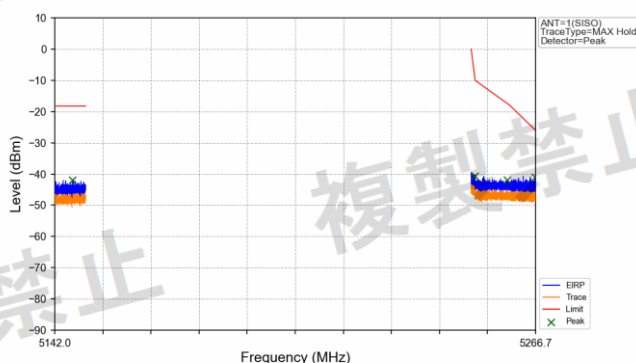


802.11a_MCH_5200MHz_Ant1_NTNV



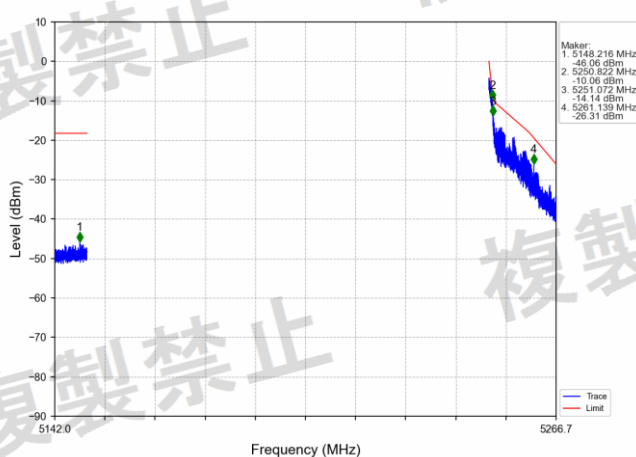


802.11a_MCH_5200MHz_Ant1_NTNV

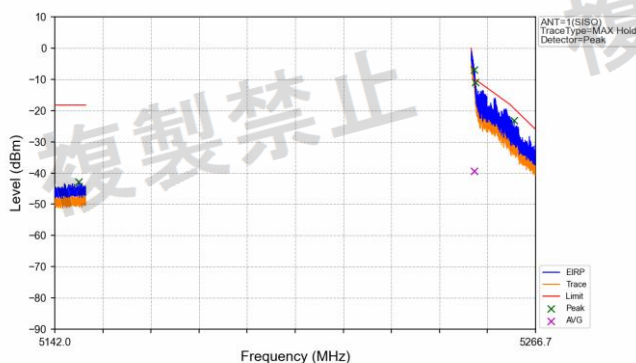


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	A/P Power (dBm)	Gain (dB)	PK EIRP (dBm)	A/P EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5146.616	-45.14	/	3.20	-41.94	/	-18.24	Pass
5250	5251	1	1	5250.994	-43.82	/	3.20	-40.62	/	-9.94	Pass
5251	5260	1	1	5259.361	-45.08	/	3.20	-41.88	/	-17.43	Pass
5260	5266.7	1	1	5266.492	-44.26	/	3.20	-41.06	/	-25.79	Pass

802.11a_HCH_5240MHz_Ant1_NTNV



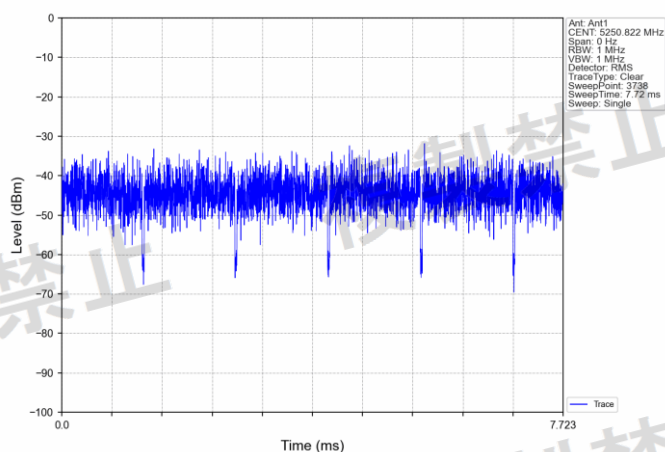
802.11a_HCH_5240MHz_Ant1_NTNV



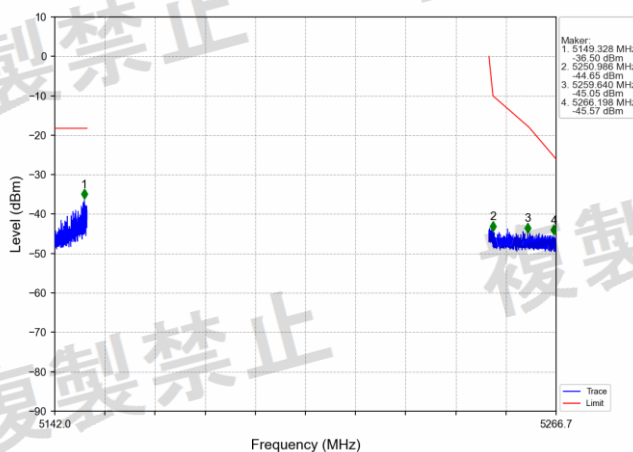
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	A/P Power (dBm)	Gain (dB)	PK EIRP (dBm)	A/P EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5148.216	-46.06	/	3.20	-42.86	/	-18.24	Pass
5250	5251	1	1	5250.822	-40.06	-42.80	3.20	-6.86	-39.40	-8.22	Pass
5251	5260	1	1	5251.072	-44.14	/	3.20	-40.94	/	-10.06	Pass
5260	5266.7	1	1	5261.139	-36.31	/	3.20	-23.11	/	-19.37	Pass



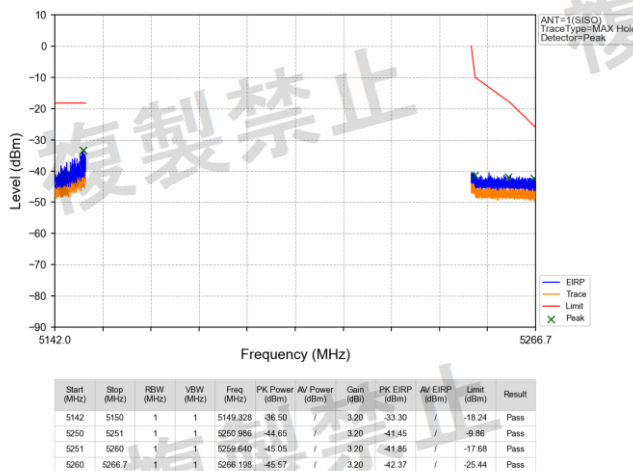
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

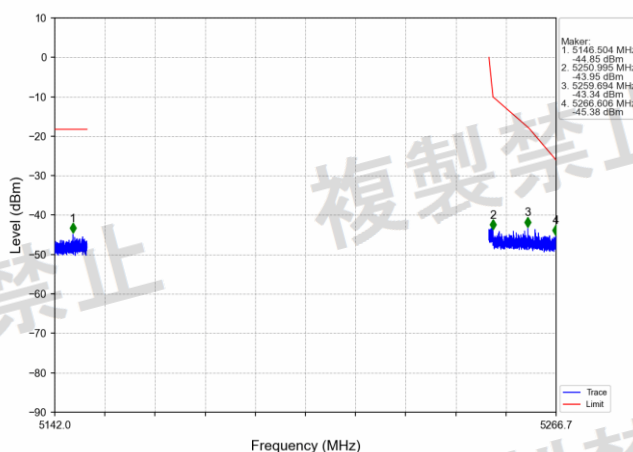


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

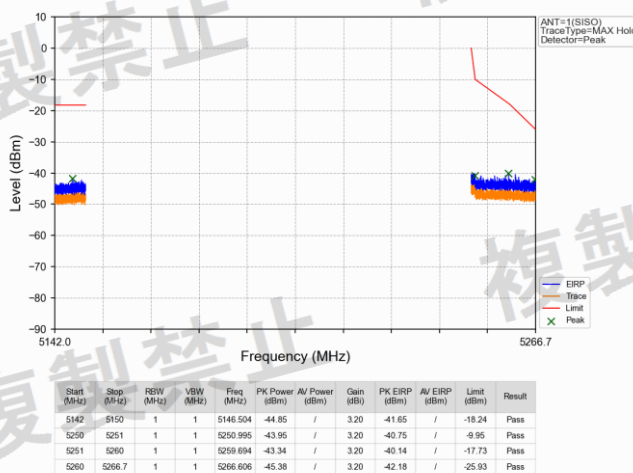




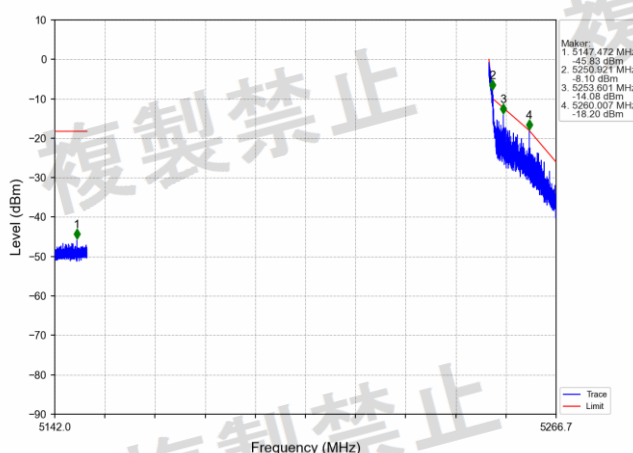
802.11n(HT20) MCH_5200MHz_Ant1_NTNV



802.11n(HT20) MCH_5200MHz_Ant1_NTNV

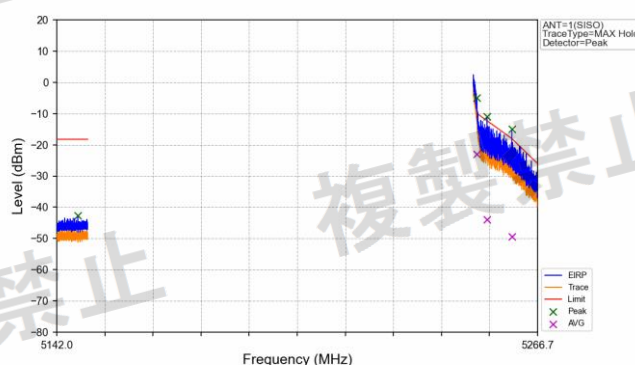


802.11n(HT20) HCH_5240MHz_Ant1_NTNV



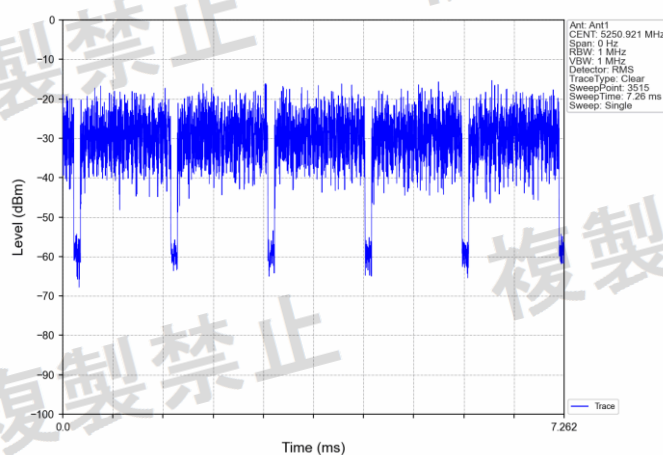


802.11n(HT20) HCH_5240MHz_Ant1_NTNV

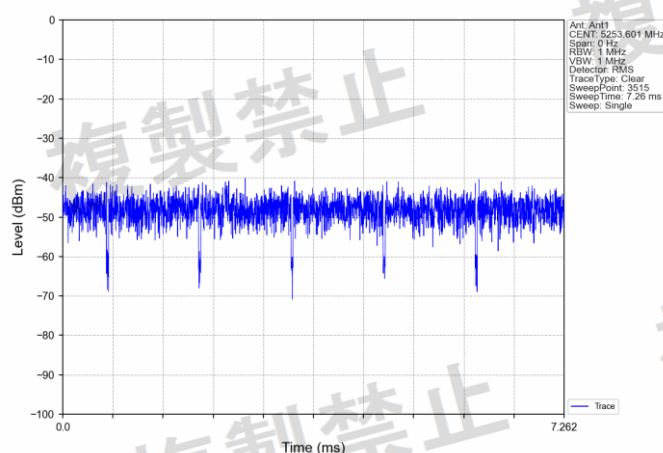


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
5142	5150	1	1	5147.472	-45.63	-	3.20	-42.63	-	-15.24	Pass
5250	5251	1	1	5250.921	-8.10	-26.15	3.20	-4.90	-22.95	-9.21	Pass
5251	5260	1	1	5253.601	-14.08	-47.16	3.20	-10.88	-43.96	-12.31	Pass
5260	5266.7	1	1	5260.007	-19.20	-52.67	3.20	-15.00	-49.47	-18.01	Pass

802.11n(HT20) HCH_5240MHz_Ant1_NTNV

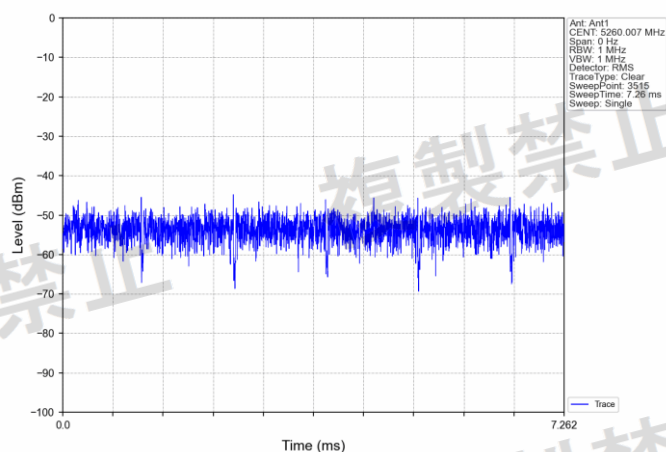


802.11n(HT20) HCH_5240MHz_Ant1_NTNV

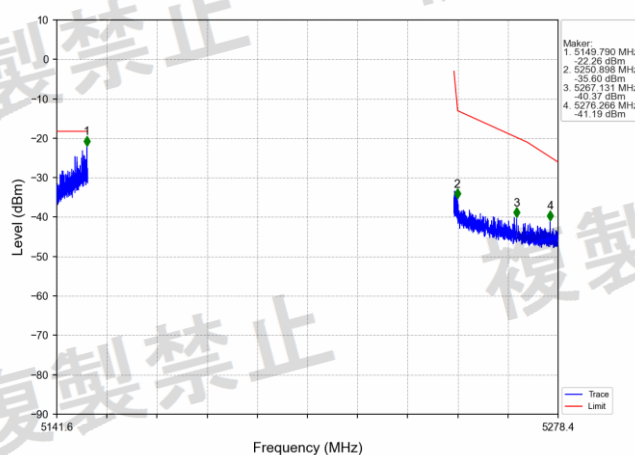




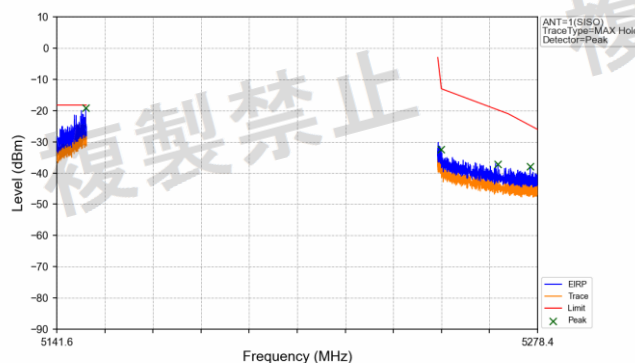
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



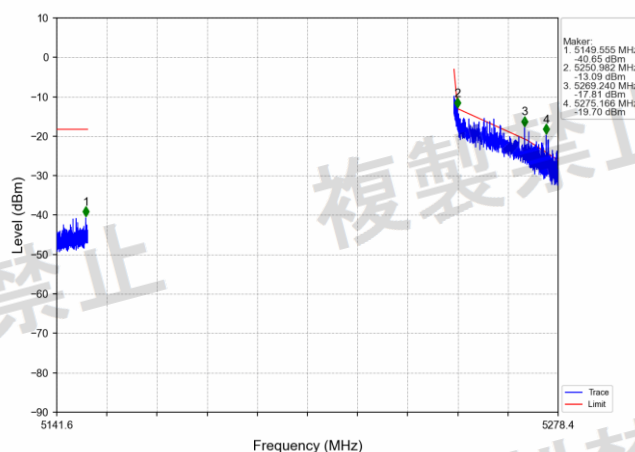
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



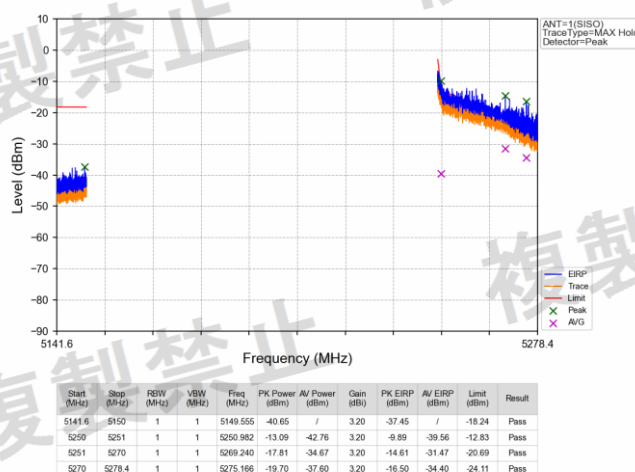
Start (MHz)	Stop (MHz)	RBW (MHz)	VSW (MHz)	Freq (MHz)	PK Power (dBm)	A/P Power (dBm)	Gain (dB)	PK EIRP (dBm)	A/P EIRP (dBm)	Limit (dBm)	Result
5141.6	5150	1	1	5149.790	-22.26	/	3.20	-19.06	/	-18.24	Pass
5250	5251	1	1	5250.898	-35.60	/	3.20	-32.40	/	-19.99	Pass
5251	5270	1	1	5267.131	-40.37	/	3.20	-37.17	/	-19.8	Pass
5270	5278.4	1	1	5276.266	-41.19	/	3.20	-37.99	/	-24.77	Pass



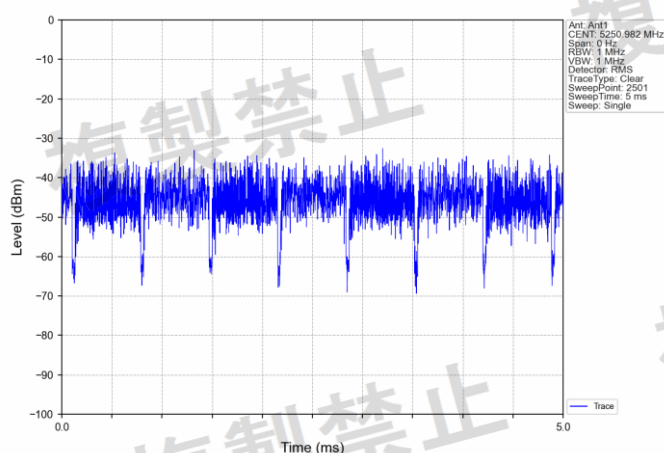
802.11n(HT40) HCH_5230MHz_Ant1_NTNV



802.11n(HT40) HCH_5230MHz_Ant1_NTNV

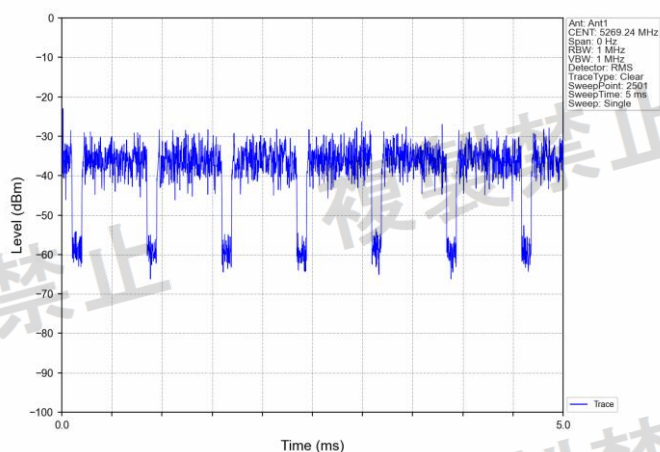


802.11n(HT40) HCH_5230MHz_Ant1_NTNV

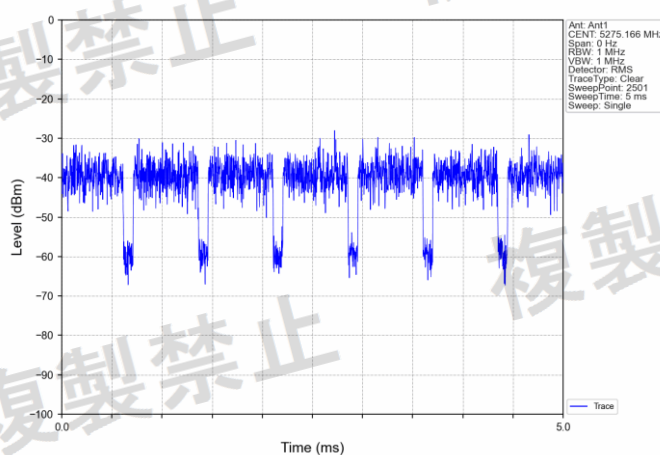




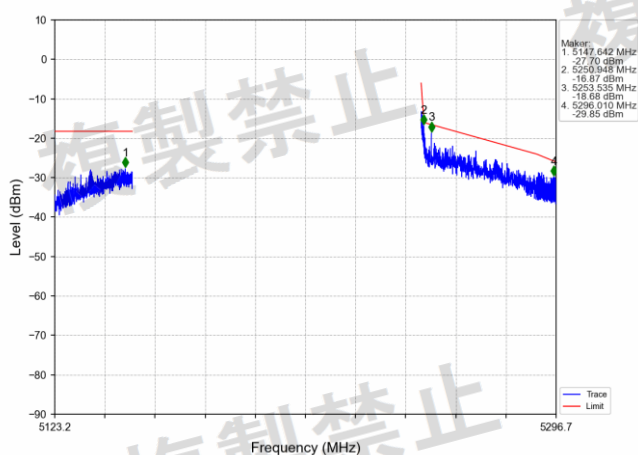
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

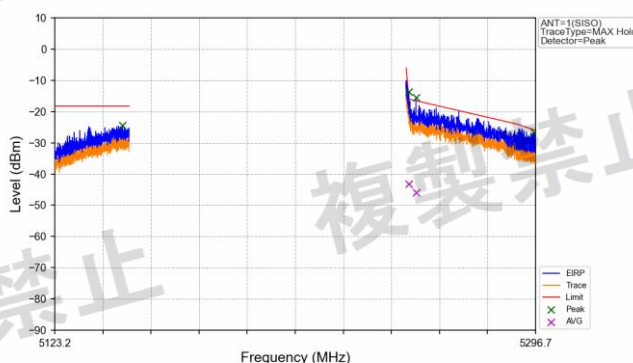


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



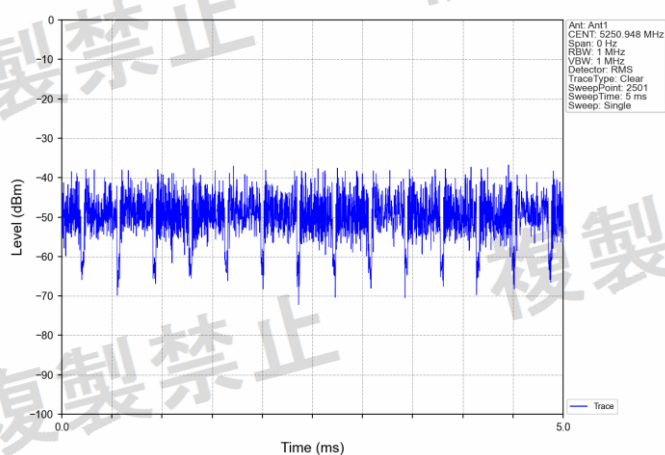


802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV

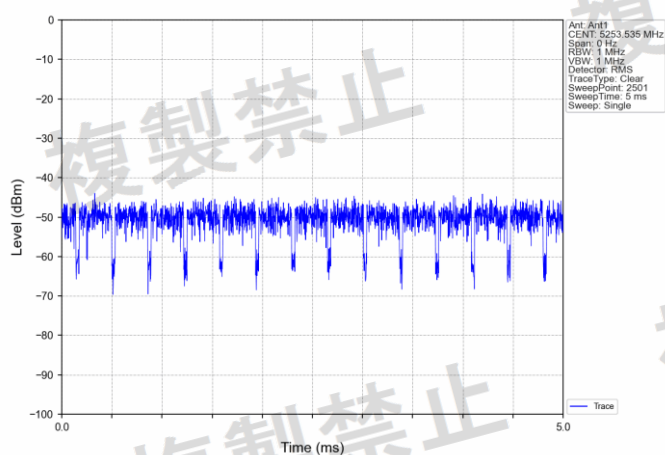


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
5123.2	5150	1	1	5147.642	-27.70	-	3.20	-24.50	-	-18.24	Pass
5250	5251	1	1	5250.948	-16.87	-46.40	3.20	-13.67	-43.20	-15.5	Pass
5251	5290	1	1	5253.535	-18.68	-49.20	3.20	-15.48	-46.00	-16.54	Pass
5290	5296.7	1	1	5296.010	-29.85	-	3.20	-26.65	-	-25.82	Pass

802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV

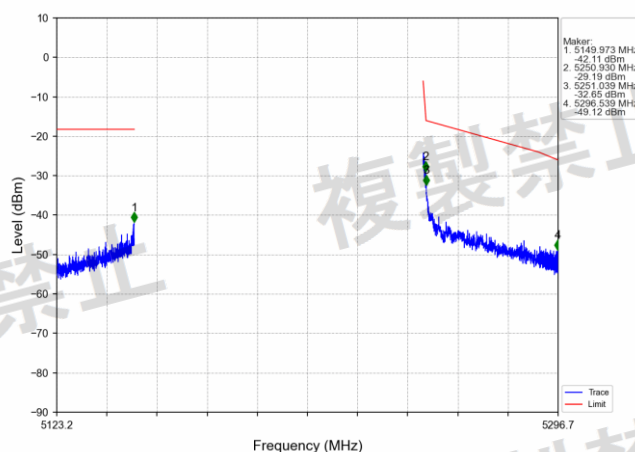


802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV

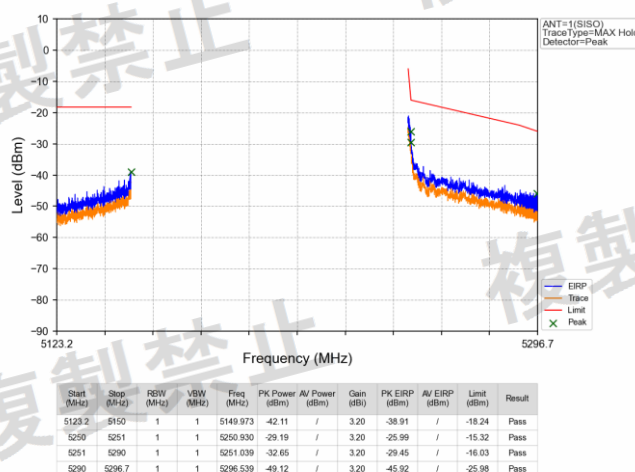




802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV





7. TRANSMISSION BURST LENGTH

7.1 Test Result

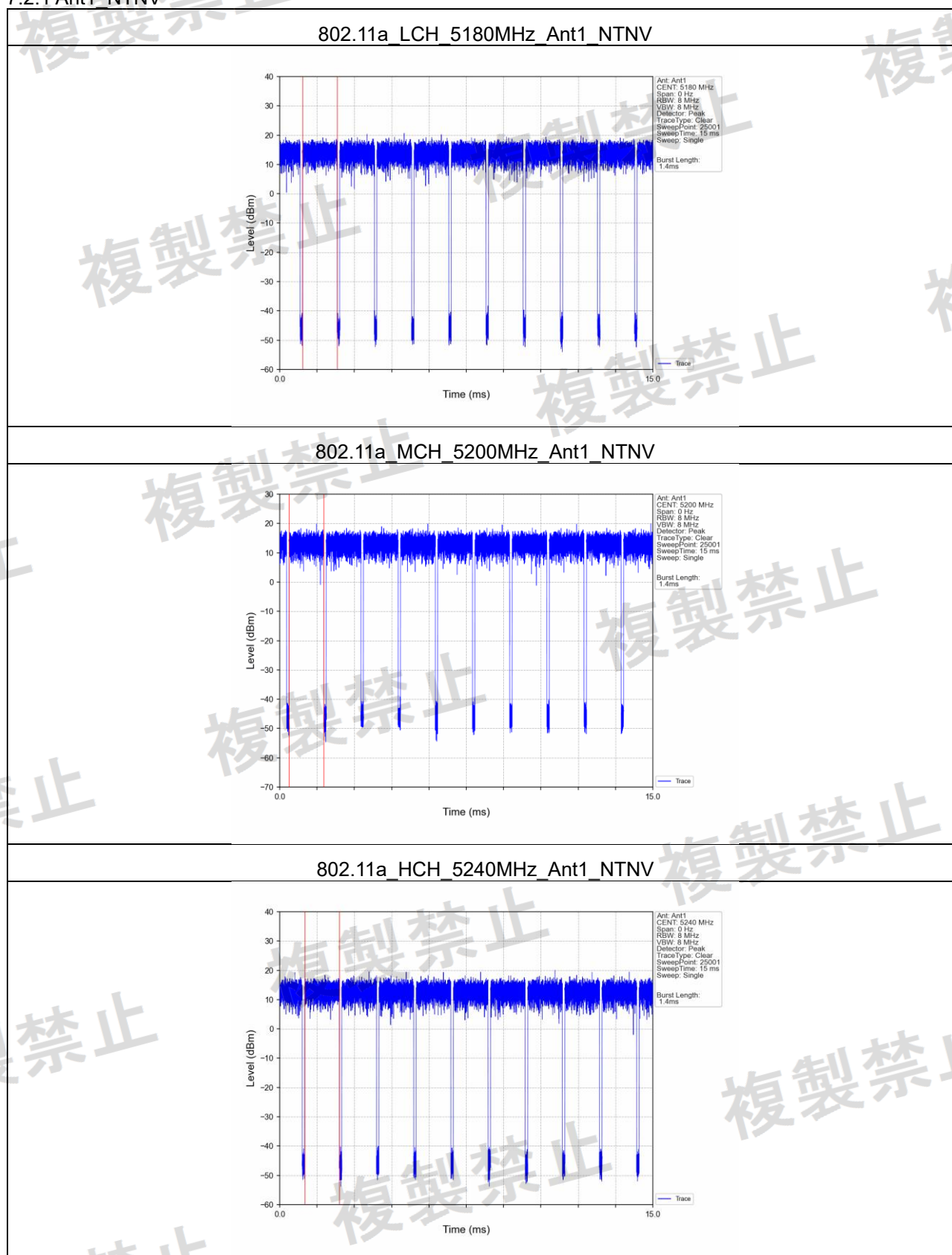
7.1.1 Ant1_NTNV

Ant1 NTNV							
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Burst Length (ms)		Verdict
					Result	Limit	
802.11a	SISO	5180	/	/	1.399	<=8	Pass
		5200	/	/	1.399	<=8	Pass
		5240	/	/	1.399	<=8	Pass
802.11n (HT20)	SISO	5180	/	/	1.311	<=8	Pass
		5200	/	/	1.310	<=8	Pass
		5240	/	/	1.310	<=8	Pass
802.11n (HT40)	SISO	5190	/	/	0.655	<=8	Pass
		5230	/	/	0.651	<=8	Pass
802.11ac (VHT80)	SISO	5210	/	/	0.331	<=8	Pass
802.11ax (HEW80)	SISO	5210	SU	/	0.326	<=8	Pass



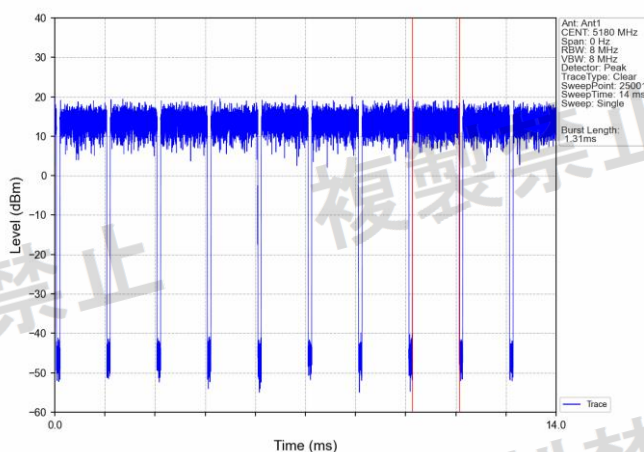
7.2 Test Graph

7.2.1 Ant1_NTNV

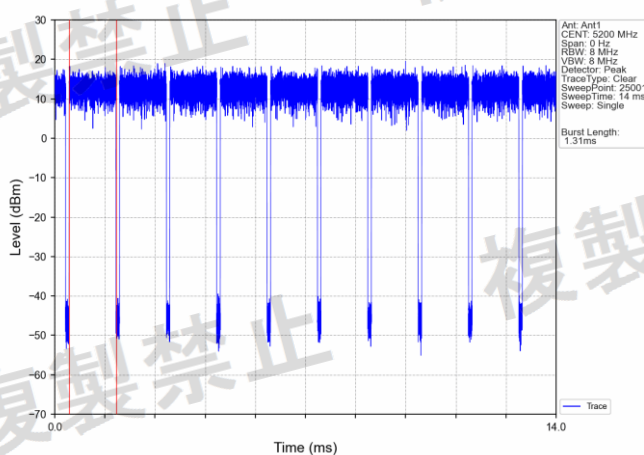




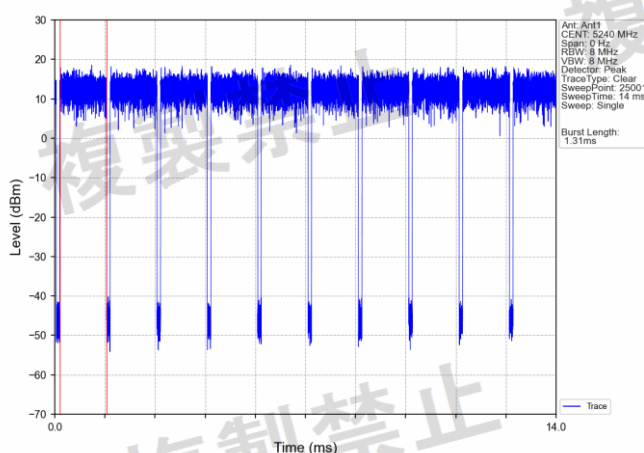
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

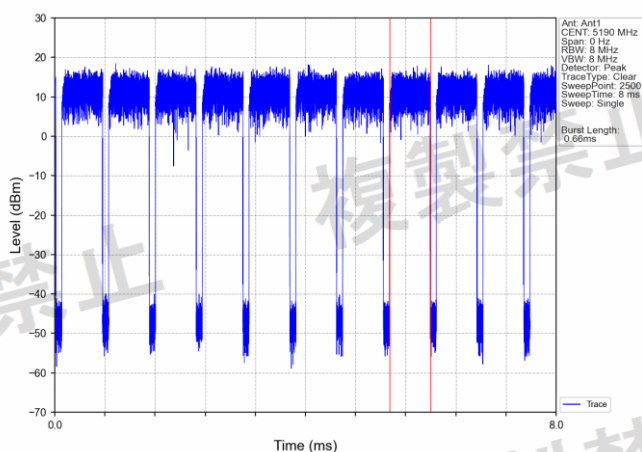


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

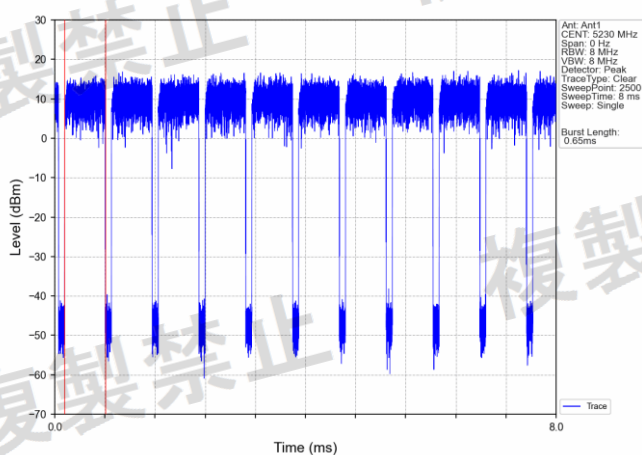




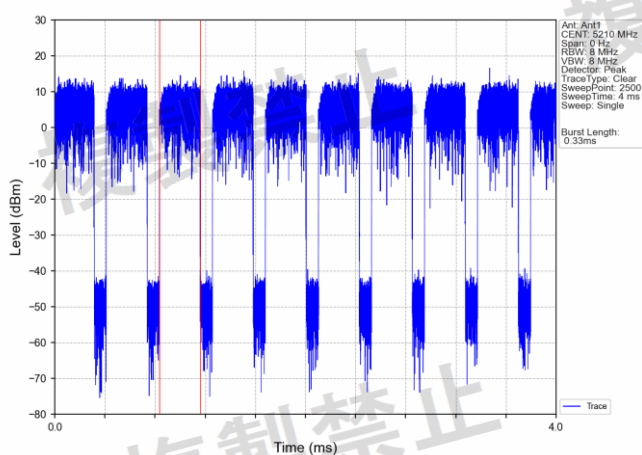
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

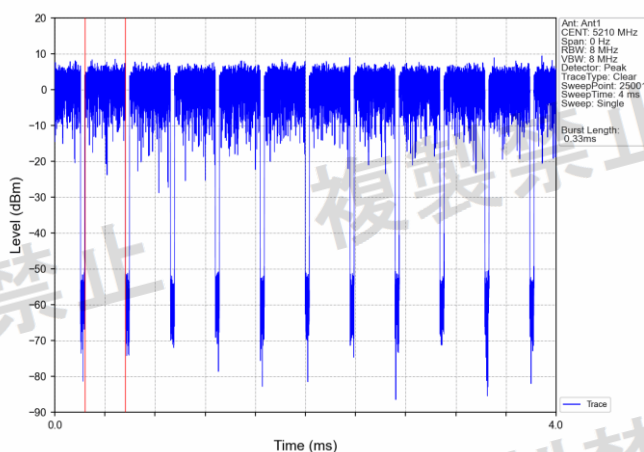


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV





802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1_NTNV





8. SPURIOUS EMISSION INTENSITY

8.1 Test Result

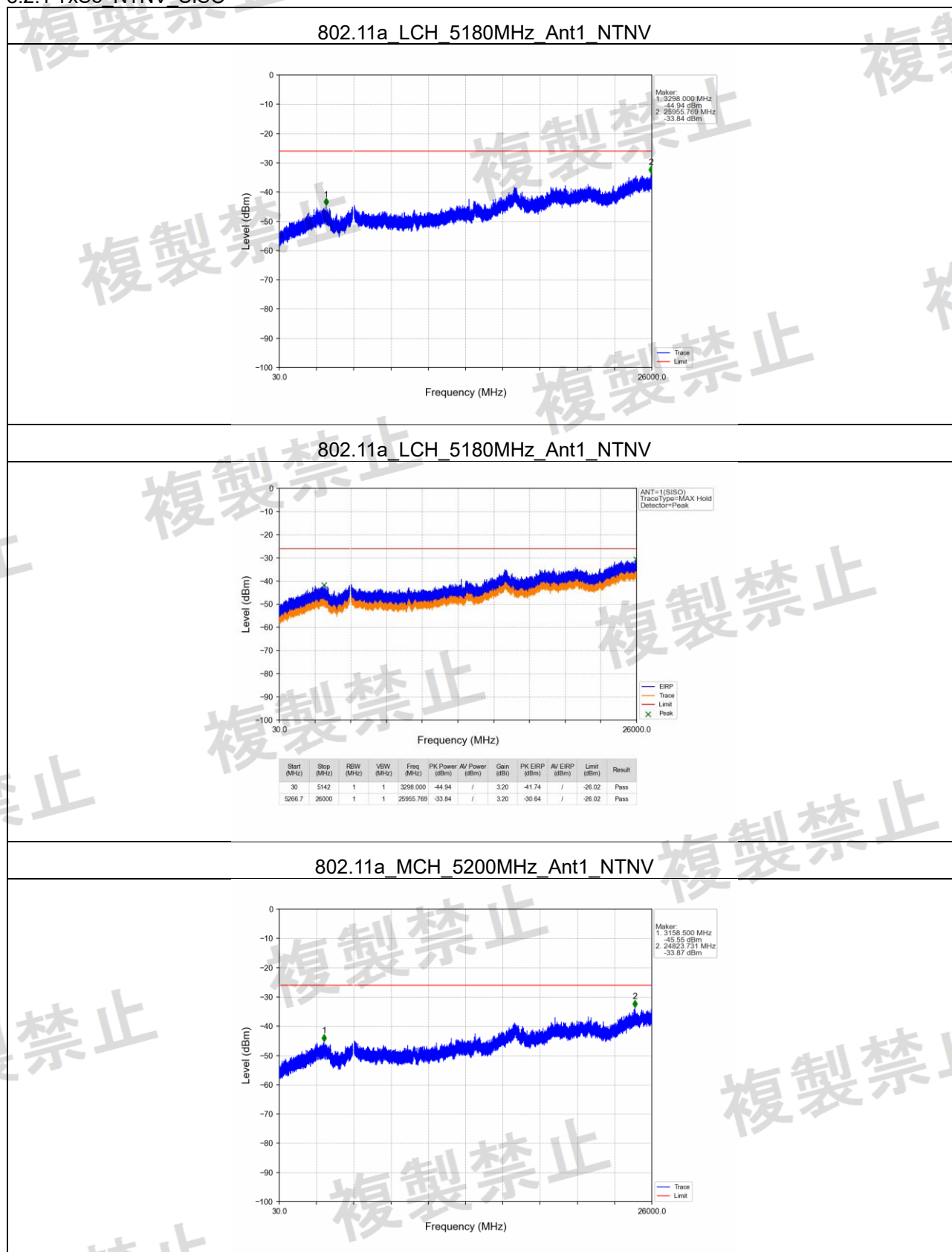
8.1.1 TxSe NTN NV SISO

NTNV														
Mode	TX Type	Freq. (MHz)	RU	RU Pos	ANT	Freq. Range		Marker				Limit (uW /MHz)	Verdict	
						Start (MHz)	Stop (MHz)	Freq. (MHz)	PK	PK	AV			AV
									(dBm /MHz)	(uW /MHz)	(dBm /MHz)	(uW /MHz)		
802.11a	SISO	5180	/	/	1	30	5142	3298	-41.74	0.067	/	/	2.5	Pass
						5266.7	26000	25955.769	-30.64	0.863	/	/	2.5	Pass
		5200	/	/	1	30	5142	3158.5	-42.35	0.058	/	/	2.5	Pass
						5266.7	26000	24823.731	-30.67	0.857	/	/	2.5	Pass
		5240	/	/	1	30	5142	2713	-42.16	0.061	/	/	2.5	Pass
						5266.7	26000	25665.503	-30.75	0.841	/	/	2.5	Pass
802.11n (HT20)	SISO	5180	/	/	1	30	5142	5142	-40.96	0.080	/	/	2.5	Pass
						5266.7	26000	25333.079	-30.01	0.998	/	/	2.5	Pass
		5200	/	/	1	30	5142	3274.5	-40.61	0.087	/	/	2.5	Pass
						5266.7	26000	25294.377	-30.67	0.857	/	/	2.5	Pass
		5240	/	/	1	30	5142	5123	-41.54	0.070	/	/	2.5	Pass
						5266.7	26000	25318.566	-29.82	1.042	/	/	2.5	Pass
802.11n (HT40)	SISO	5190	/	/	1	30	5141.6	5141.6	-31.87	0.650	/	/	2.5	Pass
						5278.4	26000	25297.538	-31.05	0.785	/	/	2.5	Pass
		5230	/	/	1	30	5141.6	3160.061	-41.37	0.073	/	/	2.5	Pass
						5278.4	26000	5278.4	-26.19	2.404	-58.08	0.002	2.5	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	30	5123.2	5113.2	-32.61	0.548	/	/	2.5	Pass
						5296.7	26000	5300.151	-30.31	0.931	/	/	2.5	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	30	5123.2	2419.094	-35.42	0.287	/	/	2.5	Pass
						5296.7	26000	25000.031	-39.54	0.111	/	/	2.5	Pass



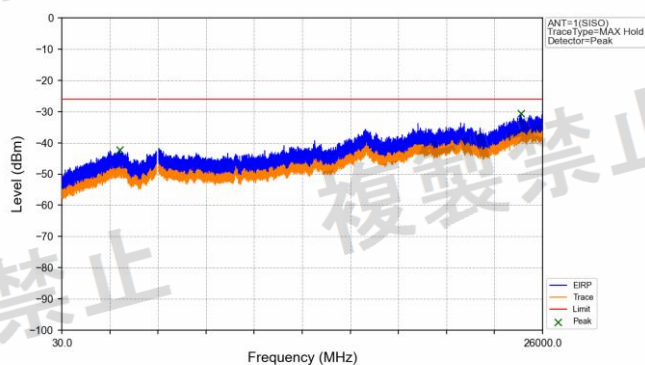
8.2 Test Graph

8.2.1 TxSe NTNv SISO



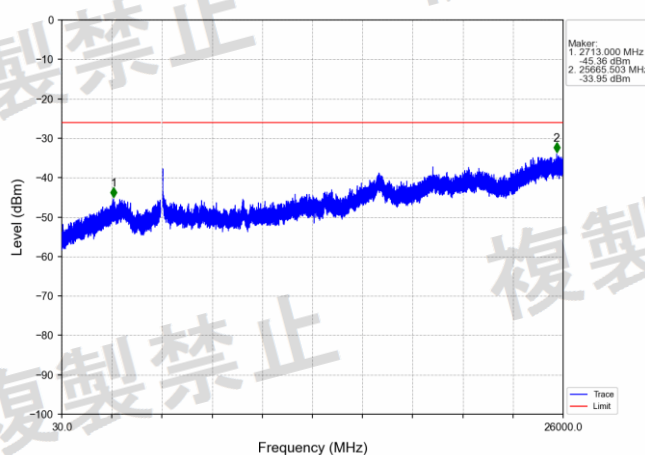


802.11a_MCH_5200MHz_Ant1_NTNV

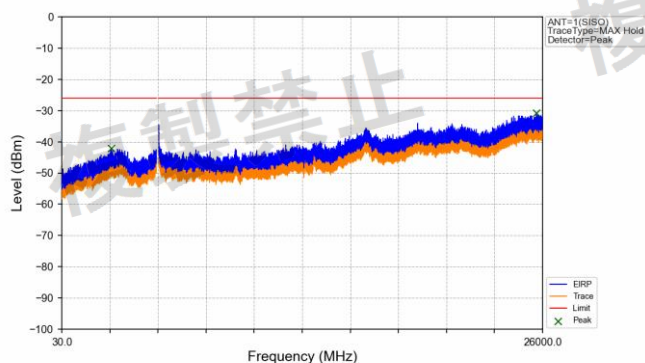


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3158.500	-45.55	/	3.20	-42.35	/	-26.02	Pass
5266.7	26000	1	1	24823.731	-33.87	/	3.20	-30.67	/	-26.02	Pass

802.11a_HCH_5240MHz_Ant1_NTNV



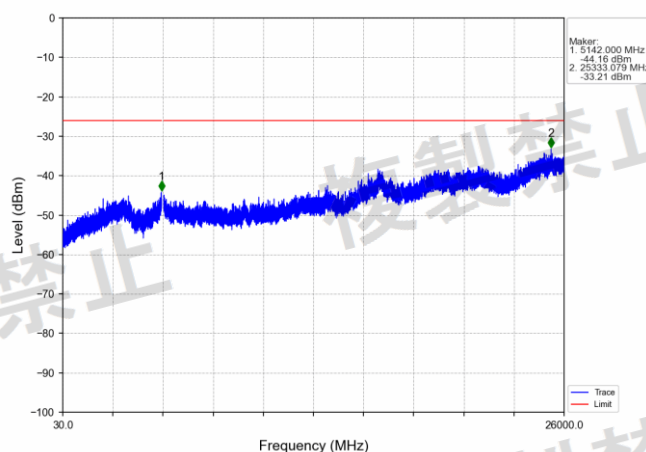
802.11a_HCH_5240MHz_Ant1_NTNV



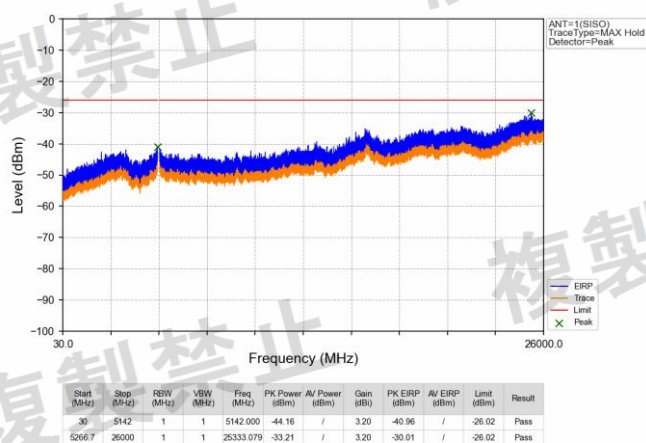
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	2713.000	-45.36	/	3.20	-42.16	/	-26.02	Pass
5266.7	26000	1	1	25665.503	-33.95	/	3.20	-30.75	/	-26.02	Pass



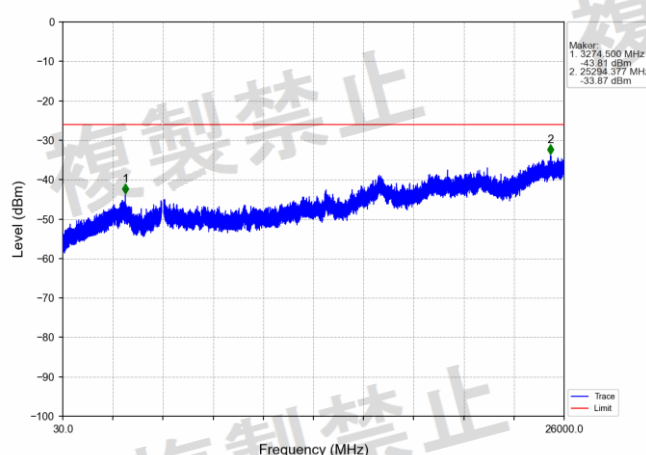
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

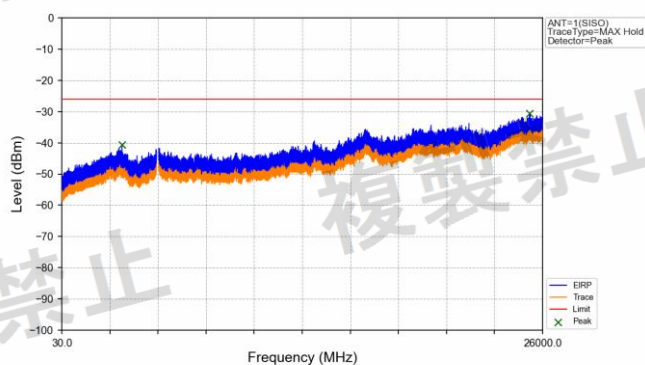


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



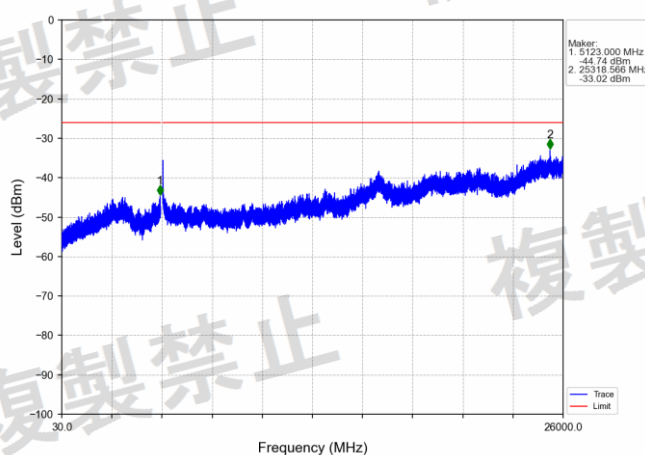


802.11n(HT20) MCH 5200MHz Ant1_NTNV

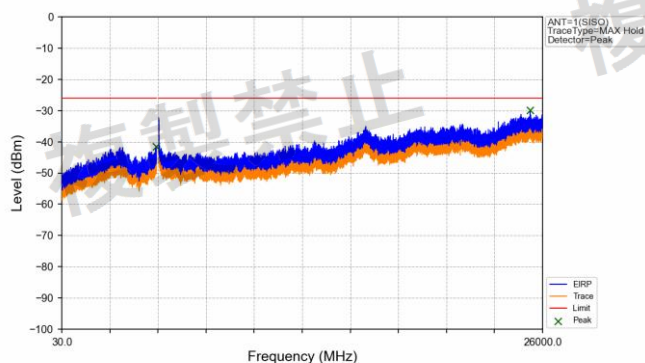


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	3074.500	-43.81	/	3.20	-40.61	/	-26.02	Pass
5266.7	26000	1	1	25294.377	-33.87	/	3.20	-30.67	/	-26.02	Pass

802.11n(HT20) HCH 5240MHz Ant1_NTNV



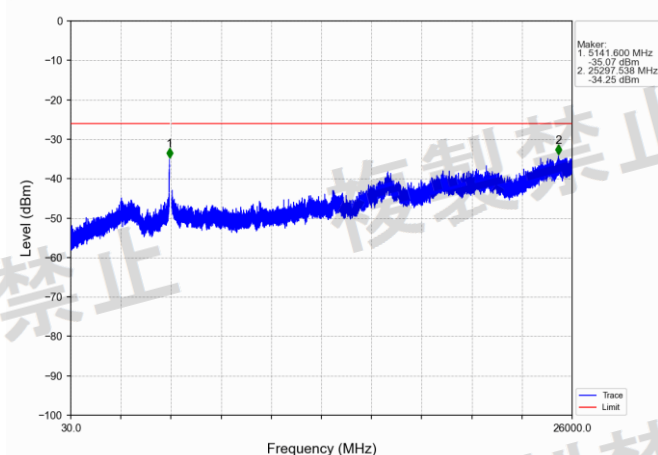
802.11n(HT20) HCH 5240MHz Ant1_NTNV



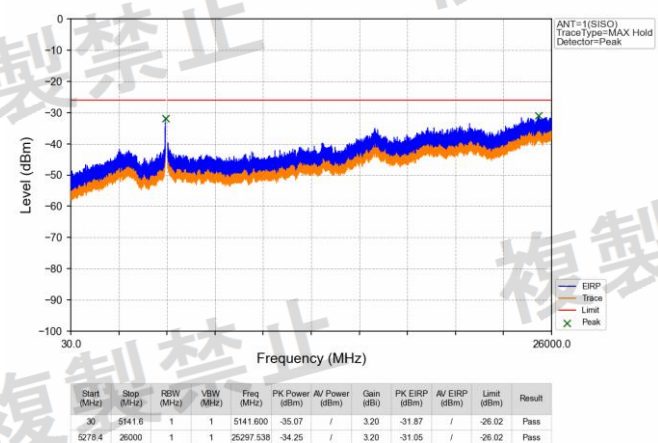
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5142	1	1	5123.000	-44.74	/	3.20	-41.54	/	-26.02	Pass
5266.7	26000	1	1	25318.566	-33.02	/	3.20	-29.82	/	-26.02	Pass



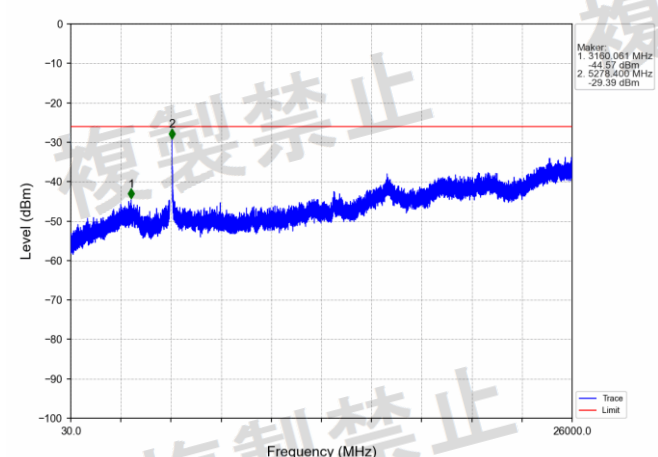
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

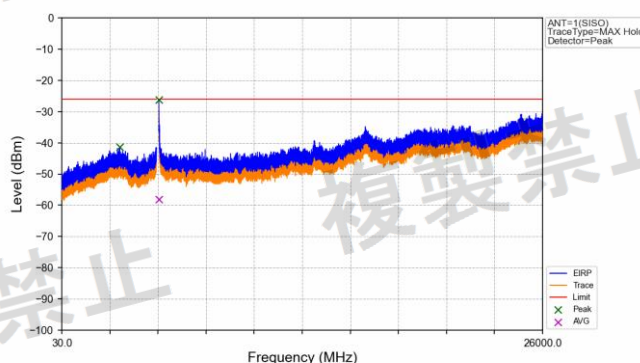


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



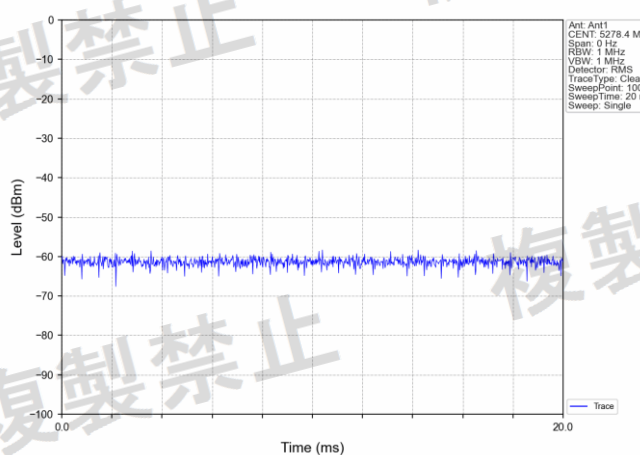


802.11n(HT40) HCH 5230MHz Ant1_NTNV

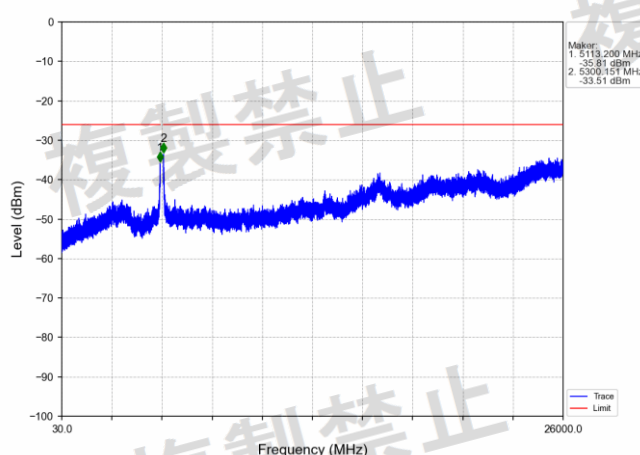


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5141.6	1	1	3160.061	-44.57	/	3.20	-41.37	/	-26.02	Pass
5278.4	26000	1	1	5278.400	-29.39	-61.28	3.20	-26.19	-58.08	-26.02	Pass

802.11n(HT40) HCH 5230MHz Ant1_NTNV

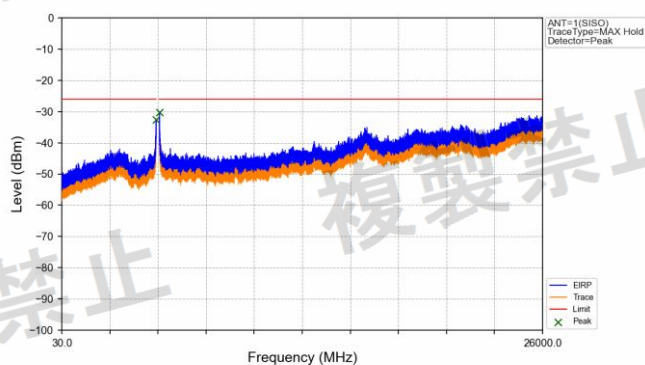


802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



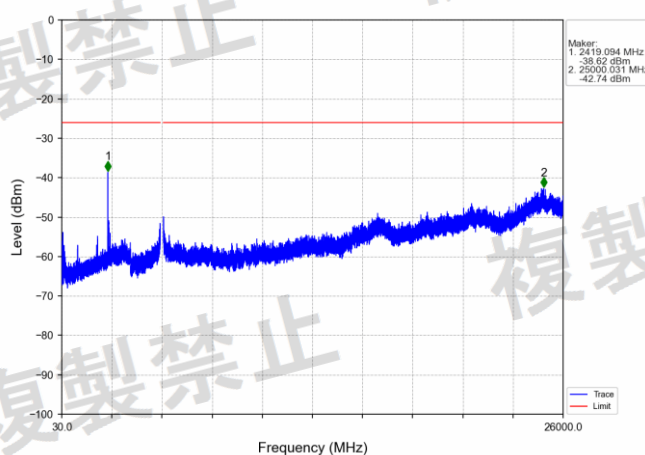


802.11ac(VHT80) MCH_5210MHz_Ant1_NTNV



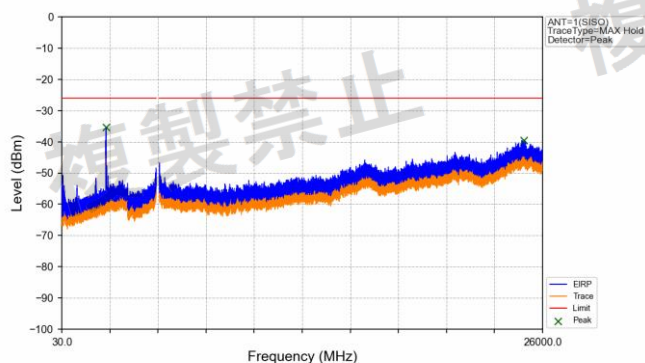
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5123.2	1	1	5113.200	-35.61	/	3.20	-32.61	/	-26.02	Pass
5296.7	26000	1	1	5300.151	-33.51	/	3.20	-30.31	/	-26.02	Pass

802.11ax(HEW80) MCH_5210MHz_SU / Ant1_NTNV



Marker:
1: 2419.094 MHz
-35.62 dBm
2: 25000.031 MHz
-42.74 dBm

802.11ax(HEW80) MCH_5210MHz_SU / Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	Avg Power (dBm)	Gain (dB)	PK EIRP (dBm)	Avg EIRP (dBm)	Limit (dBm)	Result
30	5123.2	1	1	2419.094	-35.62	/	3.20	-35.42	/	-26.02	Pass
5296.7	26000	1	1	25000.031	-42.74	/	3.20	-39.54	/	-26.02	Pass

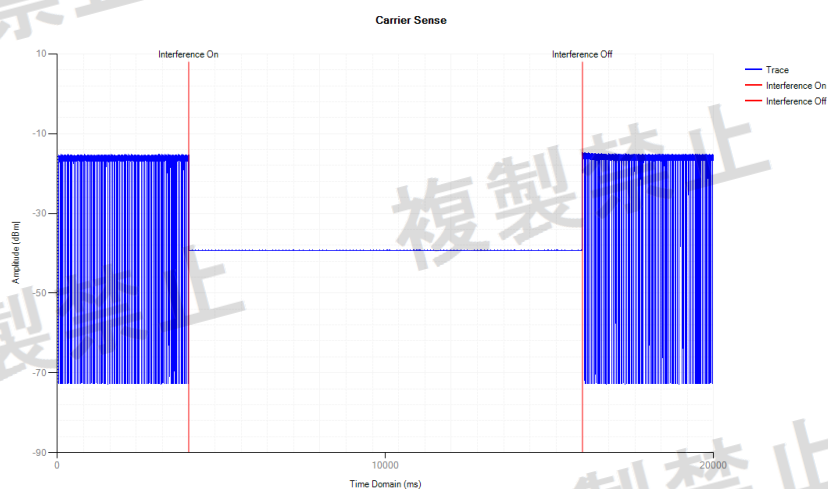


9.CARRIER SENSE

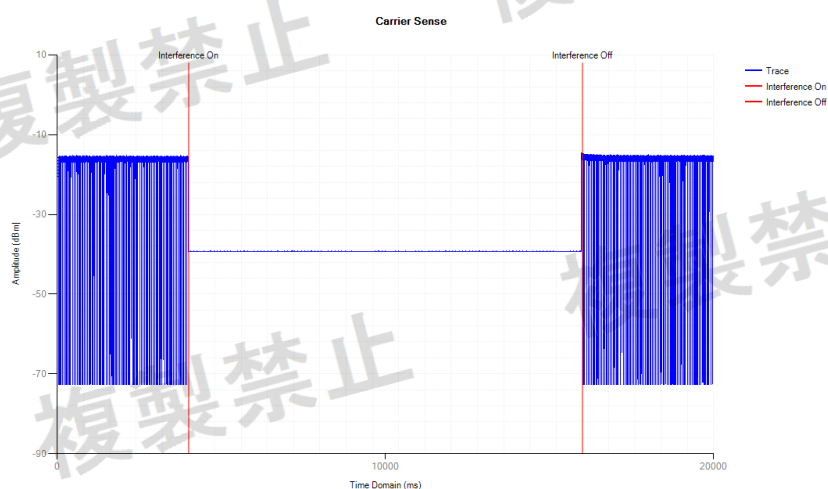
Condition	Mode	Frequency (MHz)	Verdict
NVNT	n40	5190	Pass
NVNT	n40	5230	Pass
NVNT	ac80	5210	Pass
NVNT	ax80	5210	Pass



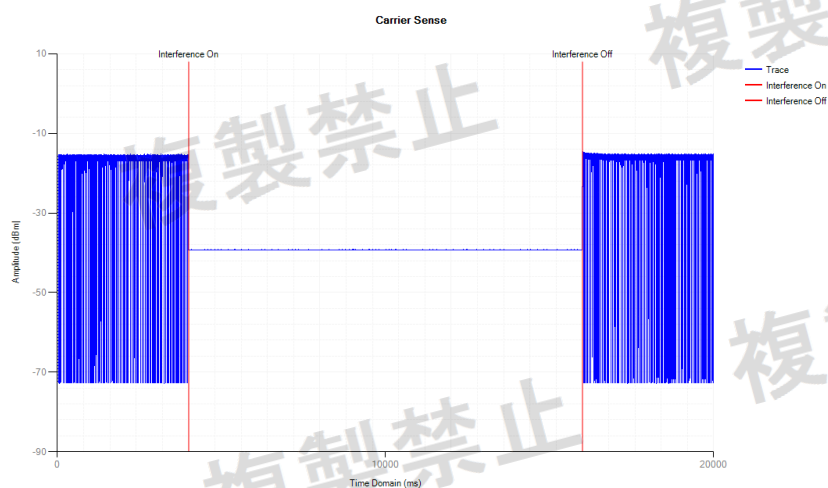
802.11n40 LCH 5190MHz_Ant1_NTNV

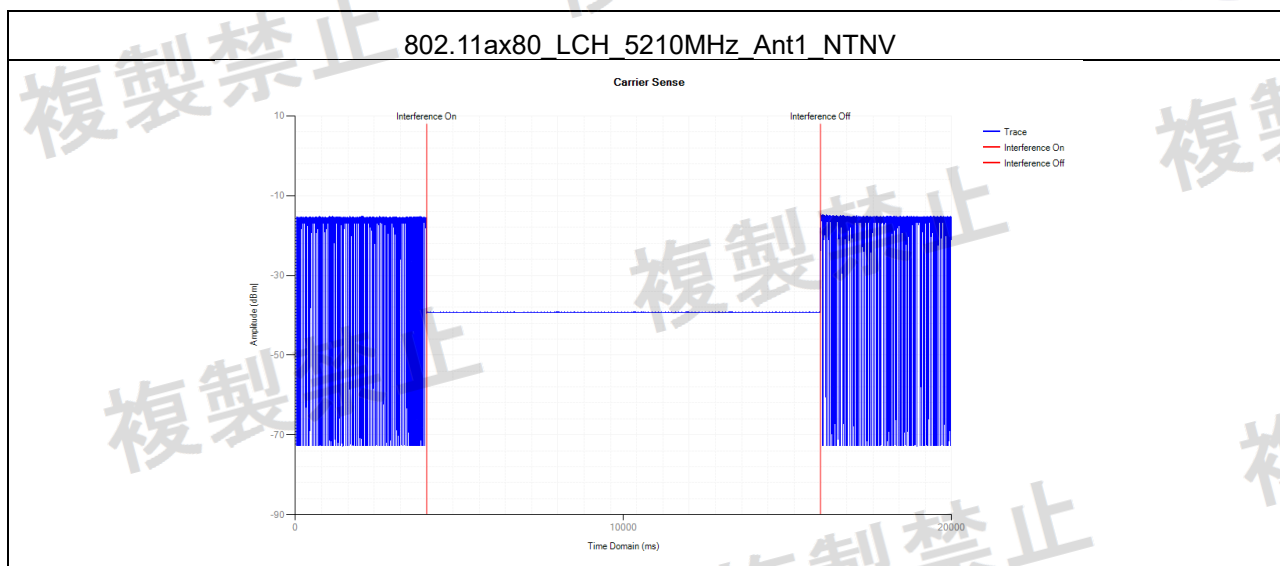


802.11n40 HCH 5230MHz_Ant1_NTNV



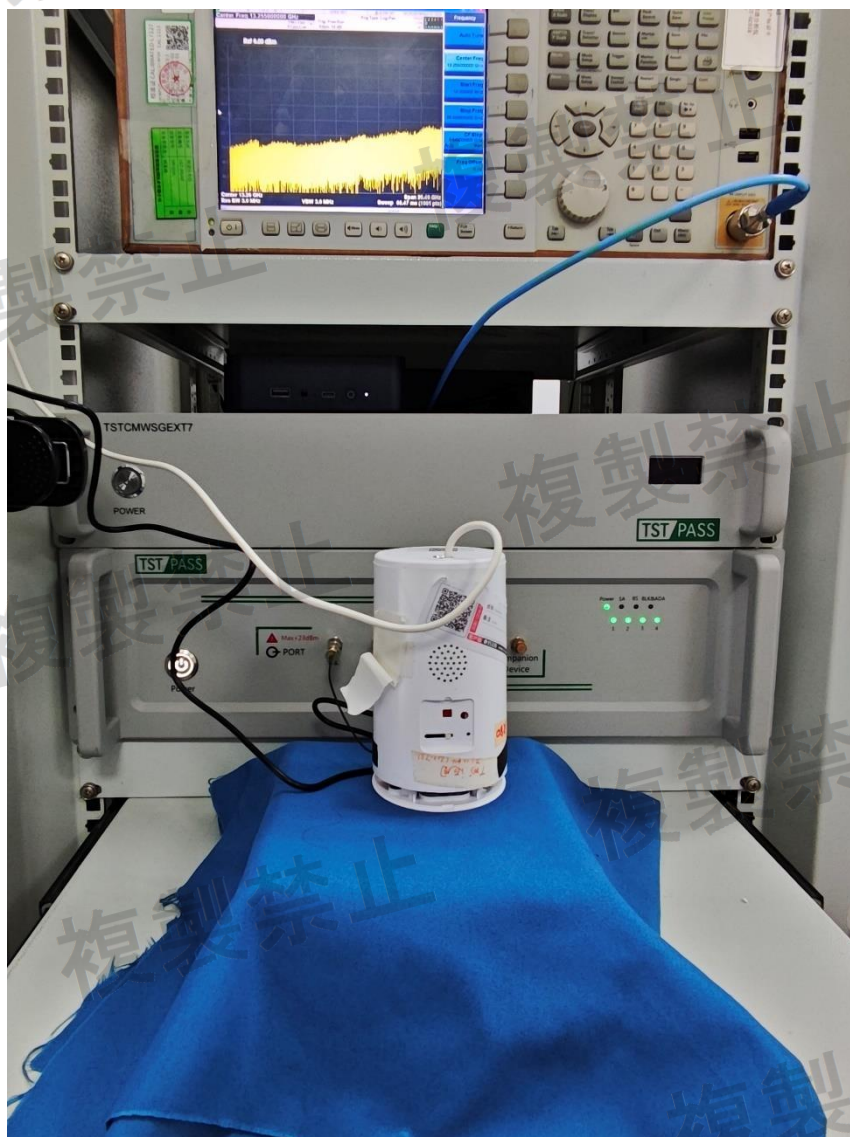
802.11ac80 LCH 5210MHz_Ant1_NTNV







APPENDIX II - TEST SETUP PHOTOS





APPENDIX III - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached IQSE-G1_EUT Photos.

※※※※※END OF THE REPORT※※※※※