



REPORT No.: SZ26040195W01

TEST REPORT

APPLICANT : Shenzhen Bafeimo E-Commerce Co., LTD.

PRODUCT NAME : Wireless HD Transmitter Receiver Kit

MODEL NAME : BFMW001, BFMB001, BFMG001, BFMP001, BFMR001

BRAND NAME : /

STANDARD(S) : Article 2 Paragraph 1 of Item 19-3

RECEIPT DATE : 2026-04-09

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Change History		
Version	Date	Reason for change
1.0	2026-04-21	First edition

1. Summary of Test Results

No.	Description of Test	Test Engineer	Result	Remark
1	Frequency Error	Li Xinpeng	PASS	/
2	Occupied Bandwidth	Li Xinpeng	PASS	/
3	Unwanted Emission Intensity	Li Xinpeng	PASS	/
4	Antenna Power Tolerance	Li Xinpeng	PASS	/
5	Adjacent Channel Emitted Power	Li Xinpeng	PASS	/
6	Dynamic Frequency Selection(DFS)	Li Xinpeng	PASS	/
7	Limitation of Collateral Emission of Receiver	Li Xinpeng	PASS	/
8	E.I.R.P.	Li Xinpeng	PASS	/
9	Transmission Burst Length	Li Xinpeng	PASS	/
10	Radio Interference Prevention Capability	Li Xinpeng	PASS	/
11	Carrier Sense Function	Li Xinpeng	PASS	/
12	Construction Protection Confirmation	N/A	PASS	/

Note 1: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

1.1. Testing Applied Methods

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- MIC Notice No.88 Annex 45
- Certification of technical standard conformity for specified radio equipment, etc. Article 2 Paragraph 1 of Item 19-3
- Radio Equipment Regulations Article 49-20



1.2. Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Due Date	Cal. Body	Cal. Method
EXA Signal Analyzer	Agilent	N9010A	MY53470836	2026.01.15	2027.01.14	SMQ	c
DC Power Supply	IVYTECH	IV3610	1709D361010	2025.09.03	2026.09.02	CCIC	c
Power Sensor	Agilent	U2021XA	MY54180008	2025.09.03	2026.09.02	CCIC	c
Radio Communication Tester	R&S	CMW500	108950	2026.01.06	2027.01.05	CCIC	c

Note 1: The equipment were calibrated by CCIC (Shenzhen) Metrology&Testing Service Co.,Ltd and Shenzhen Academy of Metrology and Quality Inspection.

Note 2: Calibration Method:

- Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1);
- Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992);
- Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1);
- Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c).

1.3. Measurement Uncertainty

No.	Test Items	Uncertainty	Remark
1	Frequency Error / 99% Bandwidth	$\pm 1.75 \times 10^{-6}$	Confidence levels of 95%
2	Antenna Power	$\pm 1.14\text{dB}$	Confidence levels of 95%
3	Spurious Emissions(<1GHz)	$\pm 2.23\text{dB}$	Confidence levels of 95%
4	Spurious Emissions(>1GHz)	$\pm 1.72\text{dB}$	Confidence levels of 95%
5	Transmission Antenna Gain	$\pm 2.49\text{dB}$	Confidence levels of 95%



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1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone	+86 755 36698555
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2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Shenzhen Bafeimo E-Commerce Co., LTD.
Applicant Address	101, Comprehensive Building C, No.2 Datianyang Longmen Industrial Zone, Dongfang Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Manufacturer	Shenzhen Bafeimo E-Commerce Co., LTD.
Manufacturer Address	101, Comprehensive Building C, No.2 Datianyang Longmen Industrial Zone, Dongfang Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Factory Name	Dongguan Xianzhi Technology Co., Ltd.
Address	Room 501,Building 1,No.853 Jienan Road,Humen Town,Dongguan City,Guangdong Province

2.2. Information of EUT

Product Name	Wireless HD Transmitter Receiver Kit		
Sample No.	1#		
Hardware Version	G132-S2310-1100-TX-USB-V1		
Software Version	HP2PRX01_3.2095.2705		
Modulation Technology	OFDM		
Modulation Type and Data Rate	Refer to 2.5.2		
Wireless Technology	802.11a, 802.11n(HT20), 802.11n(HT40) 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)		
Operating Frequency Range	5.2G WLAN: 802.11a/n/ac (20MHz): 5180~5240MHz 802.11n/ac (40MHz):5190~5230MHz 802.11ac (80MHz):5210MHz		
Channel List	Please refer as chapter 2.4 in this report.		
Power Supply	Type		Input DC Power
	Voltage (V)	Low	4.75
		Rated	5.0
		High	5.25

Note 1: The black bold voltage values were selected for test, about the voltage fluctuation evaluation, please refer as chapter 2.6.2 in this report.



Note 2: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2.3. Information of Antenna

Antenna Manufacturer	Dongguan Tengxiang Electronics Co., Ltd.
Brand Name	N/A
Model Name	N/A
Antenna Type	Inverted-F Antenna
Antenna Gain	3.17dBi

2.4. Channel List of EUT

Frequency Band	Nominal Channel Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
W52	20MHz	36	5180	40	5200
		44	5220	48	5240
	40MHz	38	5190	46	5230
	80MHz	42	5210		

Note 1: The black bold channels were selected for test.



2.5. Test Configuration of EUT

2.5.1. Evaluation of The Worst Case

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

2.5.2. Operation and Transmitter Power Setting

The EUT was tested while in a continues transmitter/receiver mode under the control of tool which is provided by manufacturer, all the items of transmitter were tested under the power setting as below:

Modulation Technology	Modulation Type	Data Rate (Mbps)	Power Setting (W52)
OFDM (802.11a)	BPSK	6 / 9	21
	QPSK	12 / 18	
	16QAM	24 / 36	
	64QAM	48 / 54	
OFDM (802.11n20)	BPSK	6.5	20.5
	QPSK	13/19.5	
	16QAM	26/39	
	64QAM	52/58.5/65	
OFDM (802.11n40)	BPSK	13.5	20
	QPSK	27/40.5	
	16QAM	54/81	
	64QAM	108/121.5/135	
OFDM (802.11ac20)	BPSK	6.5	20.5
	QPSK	13/19.5	
	16QAM	26/39	
	64QAM	52/58.5/65	
	256QAM	78	
OFDM (802.11ac40)	BPSK	13.5	20
	QPSK	27/40.5	
	16QAM	54/81	
	64QAM	108/121.5/135	
	256QAM	162/180	
OFDM (802.11ac80)	BPSK	29.3	18
	QPSK	58.5/87.5	



	16QAM	117/175.5	
	64QAM	234/263.3/292.5	
	256QAM	351/390	

2.6. Test Conditions

2.6.1. Environment Condition

Temperature (°C)	21.5
Relative Humidity (%)	55

2.6.2. Power Supply Voltage Fluctuation

During 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 unit of EUT is equal to or less +/- 1%.

Power Supply		External Voltage $V_E(V)$		Internal Voltage V_I		
		V_{EN}	V_{EL}/V_{EH}	$V_{IN}(V)$	$V_{IE}(V)$	Variation of V_I
Type1	Input DC Power	5.0	V_{EL}	1	1.000	0.00%
			V_{EH}		1.000	0.00%

V_{EN} : Normal Voltage

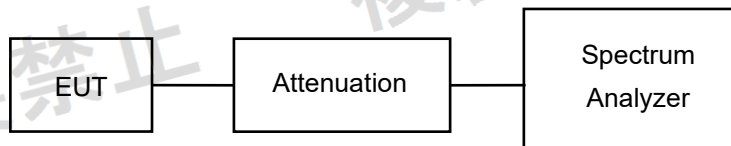
V_{EL} : V_{EL} is the declared low voltage provided that $V_{EN} \times 90\%$ is less than the declared low voltage, otherwise it is $V_{EN} \times 90\%$

V_{EH} : V_{EH} is the declared high voltage provided that $V_{EN} \times 110\%$ is larger than the declared high voltage, otherwise it is $V_{EN} \times 110\%$

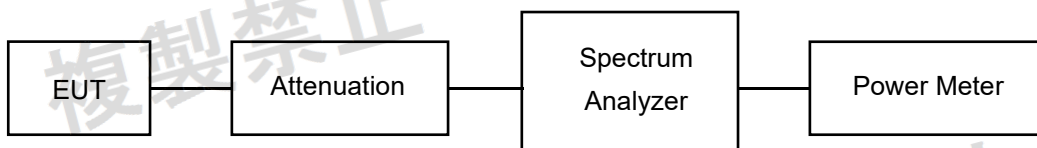
V_{IN} : The voltage supply to the radio unit

2.7. Test Setup Layout Diagram

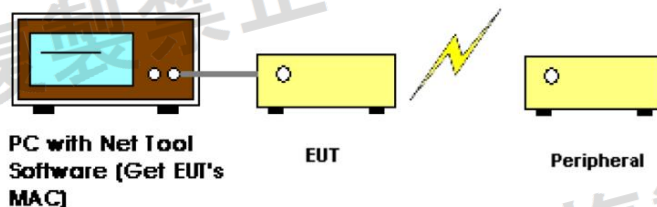
2.7.1. General Measurement



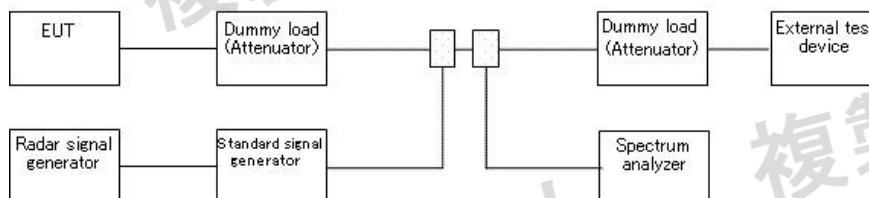
2.7.2. Antenna Power Measurement



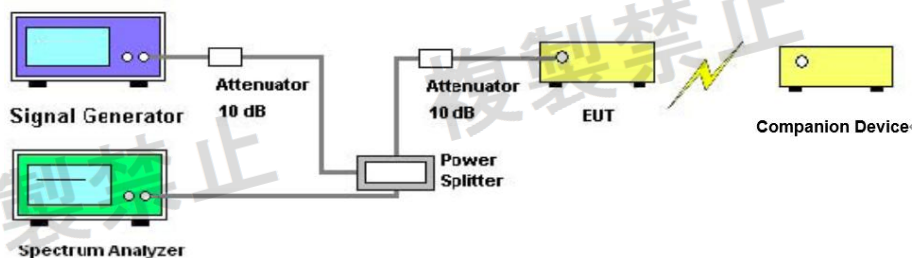
2.7.3. Radio Interference Prevention Capability Measurement



2.7.4. Dynamic Frequency Selection



2.7.5. Carrier Sense Function





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3. Description of Test Items

3.1. Frequency Error

3.1.1. Limits

Within ± 20 ppm.

3.1.2. Test Procedures

According to MIC Notice No.88 Annex45.

3.1.3. Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.1.4. Test Deviation

There is no deviation with the original standard.

3.1.5. Test Results

Refer to Annex A.1 in this report.



3.2. Occupied Bandwidth

3.2.1. Limits

Operation Band	System	Modulation Type	Limit
W52	20MHz	DSSS, etc.	$\leq 18\text{MHz}$
		OFDM	$\leq 20\text{MHz}$
	40MHz	OFDM	$\leq 40\text{MHz}$
	80MHz		$\leq 80\text{MHz}$

3.2.2. Test Procedures

According to MIC Notice No.88 Annex45.

3.2.3. Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.2.4. Test Deviation

There is no deviation with the original standard.

3.2.5. Test Results

Refer to Annex A.2 in this report.

3.3. Unwanted Emission Intensity

3.3.1. Limits

Operation Band	System	OBW	Frequency Range(MHz)	Limits
W52	20MHz	18MHz or less	30~1000	0.25μW/100kHz
			1000~5140	2.5μW/MHz
			5140~5150	15μW/MHz
			5250~5251	$10^{1-(f-9)}$ mW/MHz
			5251~5260	$10^{1-(8/90)(f-11)}$ mW/MHz
			5260~5266.7	$10^{1.8-(6/50)(f-20)}$ mW/MHz
			5266.7~26000	2.5μW/MHz
		18 ~ 20MHz	30~1000	0.25μW/100kHz
			1000~5140	2.5μW/MHz
			5140~5150	15μW/MHz
			5250~5250.2	$10^{1-(8/3)(f-9.75)}$ mW/MHz
			5250.2~5251	$10^{1-(f-9)}$ mW/MHz
			5251~5260	$10^{1-(8/90)(f-11)}$ mW/MHz
			5260~5266.7	$10^{1.8-(6/50)(f-20)}$ mW/MHz
			5266.7~26000	2.5μW/MHz
		f=MHz, Difference from 5240(MHz)		
	40MHz system		30~1000	0.25μW/100kHz
			1000~5141.6	2.5μW/MHz
			5141.6~5150	15μW/MHz
			5250~5251	$10^{-(f-20)+\log(1/2)}$ mW/MHz
			5251~5270	$10^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
			5270~5278.4	$10^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
			5278.4~26000	2.5μW/MHz
		f=MHz, Difference from 5230(MHz)		
	80MHz system		30~1000	0.25μW/100kHz
			1000~5123.2	2.5μW/MHz
			5123.2~5150	15μW/MHz
			5250~5251	$10^{-(f-40)+\log(1/4)}$ mW/MHz
			5251~5290	$10^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
			5290~5296.7	$10^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
			5296.7~26000	2.5μW/MHz
		f=MHz, Difference from 5210(MHz)		



3.3.2.Test Procedures

According to MIC Notice No.88 Annex45.

3.3.3.Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.3.4.Test Deviation

There is no deviation with the original standard.

3.3.5.Test Results

Refer to Annex A.3 in this report.

Note 1: The spurious emissions mask that displayed on the plots is composed of several frequency ranges below:

Range	Start Freq. (MHz)	Stop Freq. (MHz)	RBW	VBW	Detector Type	Trace Mode	Limit (μ W)
1	30	1000	100kHz	100kHz	Peak	Max Hold	0.25
2	1000	5140	1MHz	1MHz	Peak	Max Hold	2.5
3	5140	5360	1MHz	1MHz	Peak	Max Hold	20000
4	5360	26000	1MHz	1MHz	Peak	Max Hold	2.5

Note 2: Only the spurious with the minimum margin from the limit line will be displayed in the mark table(The lower window on the test plots).

3.4. Antenna Power Tolerance

3.4.1. Limits

Operation Band	System	Modulation Type	Limit		
			Power		Power Tolerance
			mW/MHz	dBm/MHz	
W52/W53	20MHz	DSSS, etc.	10	10	+20% ~ -80%
		OFDM	10	10	
	40MHz	OFDM	5	6.99	
	80MHz		2.5	3.98	
	160MHz		1.25	0.97	
W56	20MHz	DSSS, etc.	10	10	+50% ~ -50%
		OFDM	10	10	
	40MHz	OFDM	5	6.99	
	80MHz		2.5	3.98	
	160MHz		1.25	0.97	

3.4.1. Test Procedures

According to MIC Notice No.88 Annex45.

1. Control the EUT into continuous transmit mode at fixed channel.
2. Using the function that adjacent channel leakage power of the spectrum analyzer.
3. Record the dBc value (PU20, PL20, PU40, PL40) of the adjacent channel relative to the Carrier Power (PC).

3.4.2. Test Setup Layout

Refer to chapter 2.7.2 in this report.

3.4.3. Test Deviation

There is no deviation with the original standard.

3.4.4. Test Results

Refer to Annex A.4 in this report.

3.5. Adjacent Channel Emitted Power

3.5.1. Limits

Operation Band	System	Occupied Bandwidth	Limits	
W52/W53	20MHz	OBW≤18MHz	Fc±20MHz; ±10MHz BW	≤-25dBc
			Fc±40MHz; ±10MHz BW	≤-40dBc
		18<OBW≤19MHz	Fc±20MHz; ±10MHz BW	≤-25dBc
			Fc±40MHz; ±10MHz BW	≤-40dBc
	40MHz	OBW≤38MHz	Fc±40MHz; ±20MHz BW	≤-25dBc
			Fc±80MHz; ±20MHz BW	≤-40dBc
W56	20MHz	OBW≤19.7MHz	Fc±20MHz; ±10MHz BW	≤-25dBc
			Fc±40MHz; ±10MHz BW	≤-40dBc
	40MHz	OBW≤38MHz	Fc±40MHz; ±20MHz BW	≤-25dBc
			Fc±80MHz; ±20MHz BW	≤-40dBc
	80MHz	OBW≤78MHz	Fc±80MHz; ±40MHz BW	≤-25dBc
			Fc±80MHz; ±40MHz BW	≤-25dBc

3.5.2. Test Procedures

According to MIC Notice No.88 Annex45.

3.5.3. Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.5.4. Test Deviation

There is no deviation with the original standard.

3.5.5. Test Results

Refer to Annex A.5 in this report.

3.6. Dynamic Frequency Selection(DFS)

3.6.1.Limits

Operation Band	Station Type	Required Items				Limits	
W53/W56	Master	CAC: Channel Availability Check				≥60s	
		ISM: In-Service Monitoring	Channel Move Time			≤10s	
			Channel Closing Transmission Time			≤260ms	
		Radar Classification & Detection Probability	W53	Classification 1			≥60%
				Classification 2			≥60%
			W56	Un-modulated Pulse	Classification 1		≥60%
					Classification 2		≥60%
					Classification 3		≥60%
					Classification 4		≥60%
					Classification 5		≥60%
					Classification 6		≥60%
			Chirp Radar	Classification 1		≥80%	
			Hopping Radar	Classification 1		≥70%	
	Non-occupancy period				≥30mins		
Received power of a master station	≥60%			-62dBm			
	E.I.R.P. ≥0.2W			-64dBm			
Slave	Controlled by master				-		

3.6.2.Test Setup Layout

Refer to chapter 2.7.4 in this report.

3.6.3.Test Deviation

There is no deviation with the original standard.

3.6.4.Test Results

The station type of the EUT is Slave, the DFS function is controlled by Master device.



3.7. Limitation of Collateral Emission of Receiver

3.7.1. Limits

Frequency Range	Limits
30MHz-1000MHz	$\leq 4\text{nW}/100\text{kHz}$
1000MHz-12500MHz	$\leq 20\text{nW}/\text{MHz}$

3.7.2. Test Procedures

According to MIC Notice No.88 Annex45.

3.7.3. Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.7.4. Test Deviation

There is no deviation with the original standard.

3.7.5. Test Results

Refer to Annex A.7 in this report.

Note 1: The spurious emissions mask that displayed on the plots is composed of several frequency ranges below:

Range	Start Freq. (MHz)	Stop Freq. (MHz)	RBW	VBW	Detector Type	Trace Mode	Limit (nW)
1	30	1000	100kHz	100kHz	Peak	Max Hold	4
2	1000	12500	1MHz	1MHz	Peak	Max Hold	20

Note 2: Only the spurious with the minimum margin from the limit line will be displayed in the mark table (The lower window on the test plots).



3.8.E.I.R.P.

3.8.1.Limits

Operation Band	System	Limit	
		mW/MHz	dBm/MHz
W52	20MHz	10	10
	40MHz	5	6.99
	80MHz	2.5	3.98
	160MHz	1.25	0.97

3.8.2.Test Procedures

Add antenna gain to the value P which got in chapter 3.4.1 to calculate E.I.R.P. value.

3.8.3.Test Setup Layout

Refer to chapter 2.7.2 in this report.

3.8.4.Test Deviation

There is no deviation with the original standard.

3.8.5.Test Results

Refer to Annex A.8 in this report.



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3.9. Transmission Burst Length

3.9.1. Limits

$\leq 8\text{ms}$

3.9.2. Test Procedures

According to MIC Notice No.88 Annex45.

3.9.3. Test Setup Layout

Refer to chapter 2.7.1 in this report.

3.9.4. Test Deviation

There is no deviation with the original standard.

3.9.5. Test Results

Refer to Annex A.7 in this report.



3.10. Radio Interference Prevention Capability

3.10.1.Limits

The one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

3.10.2.Test Procedures

According to MIC Notice No.88 Annex45.

3.10.3.Test Setup Layout

Refer to chapter 2.7.3 in this report.

3.10.4.Test Deviation

There is no deviation with the original standard.

3.10.5.Test Results

Refer to Annex A.8 in this report.



3.11. Carrier Sense Function

3.11.1.Limits

Modulation Method	Limits
OFDM	Good – EUT stop RF transmission signal after carrier inject to EUT. (On $22.79 + AG - 20 \cdot \log(f)$ dBm) (AG: dB; f:MHz) or 100mV/m)

3.11.2.Test Procedures

According to MIC Notice No.88 Annex45.

3.11.3.Test Setup Layout

Refer to chapter 2.7.5 in this report.

3.11.4.Test Deviation

There is no deviation with the original standard.

3.11.5.Test Results

Refer to Annex A.9 in this report.

3.12. Construction Protection Confirmation Method

3.12.1.Limits

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

3.12.2.Confirmation Method

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

Protected Method	Description
Shield	The RF module uses an ultrasonic shell cover to protect the RF and modulation parts. If this ultrasonic shell cover is removed, the module will be severely damaged and will be unable to function properly.

3.12.3.Reference Documents

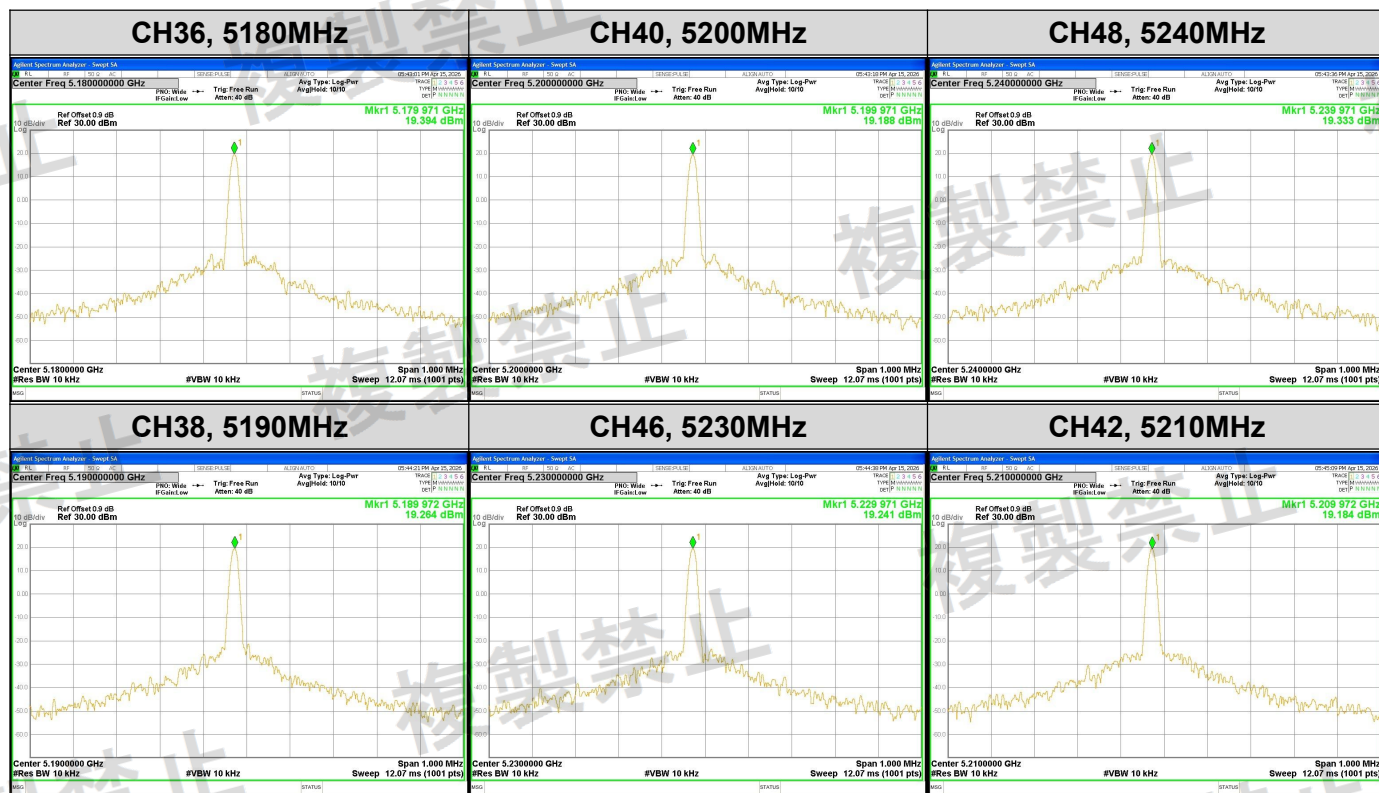
Reference Documents	Item
Photo	



Annex A Test Data and Results

A.1. Frequency Error

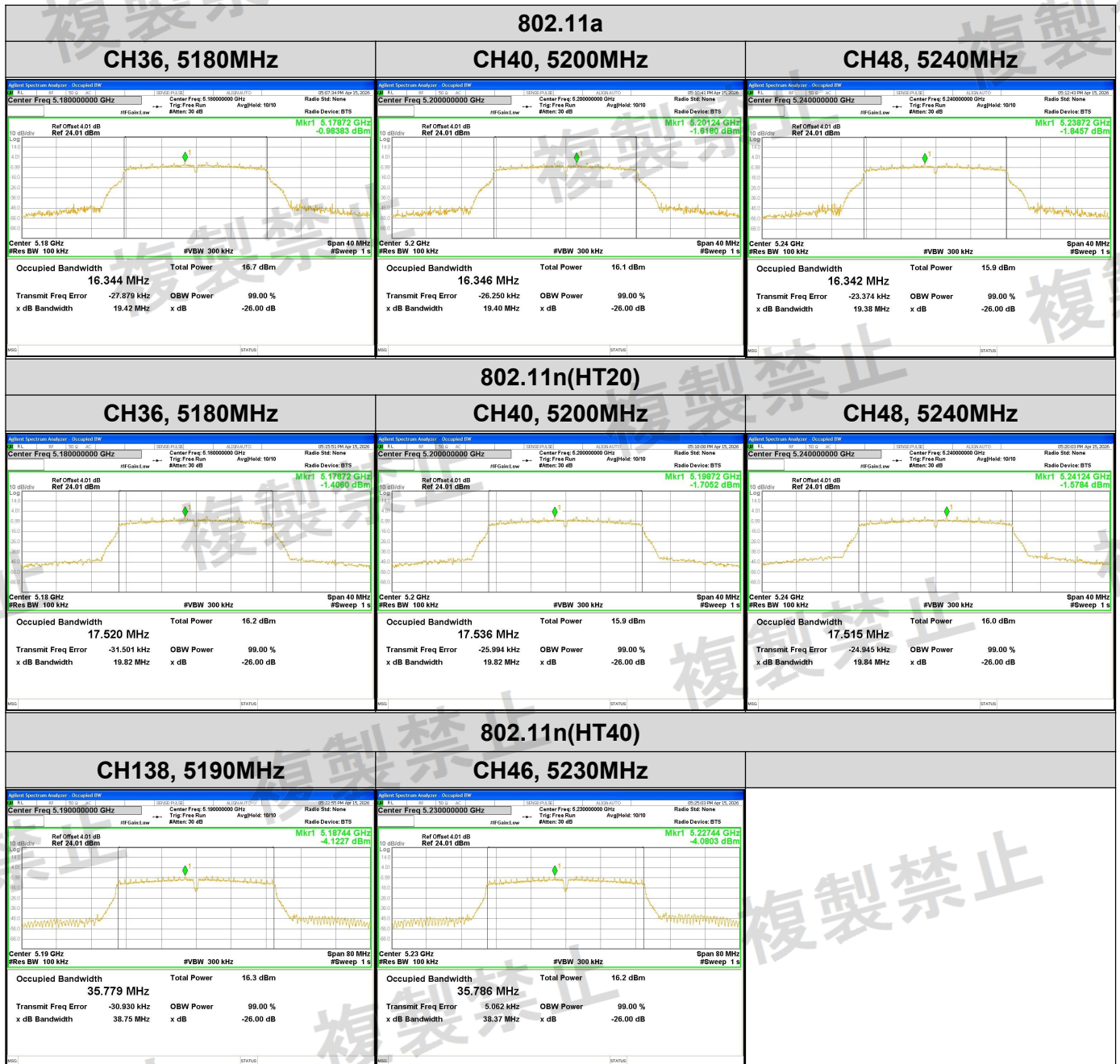
Channel	Frequency f_c (MHz)	Test Frequency f (MHz)	Frequency Error (ppm)	Limit (ppm)	Verdict
36	5180	5179.971	-5.6	± 20	PASS
40	5200	5199.971	-5.58		PASS
48	5240	5239.971	-5.53		PASS
38	5190	5189.972	-5.39		PASS
46	5230	5229.971	-5.54		PASS
42	5210	5209.972	-5.37		PASS

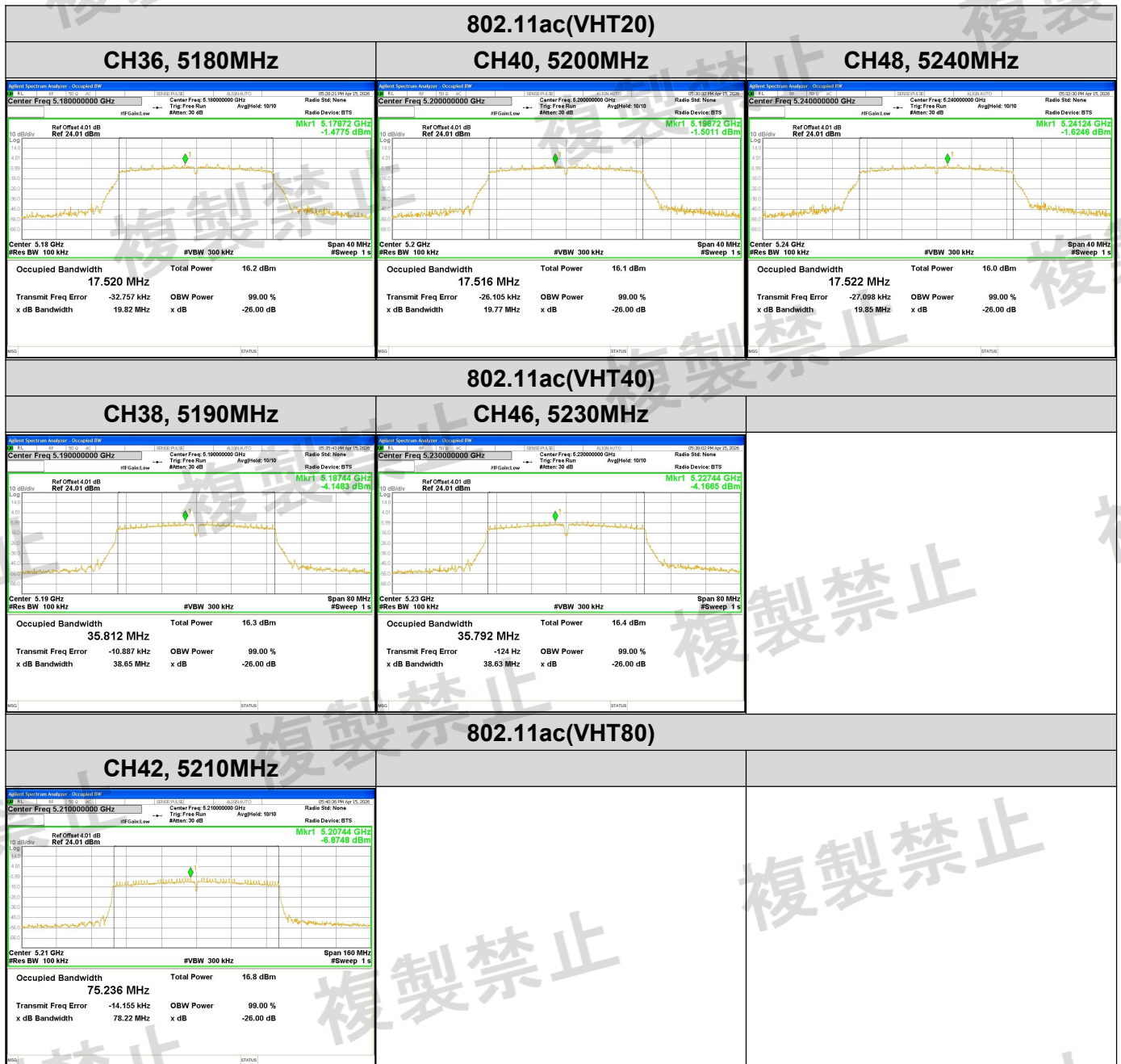


**A.2. Occupied Bandwidth**

Note: All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

System	Mode	Band	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
20MHz	802.11a	W52	36	5180	16.3435	PASS
			40	5200	16.3463	PASS
			48	5240	16.3418	PASS
20MHz	802.11n(HT20)	W52	36	5180	17.5204	PASS
			40	5200	17.5359	PASS
			48	5240	17.5147	PASS
40MHz	802.11n(HT40)	W52	38	5190	35.779	PASS
			46	5230	35.7861	PASS
20MHz	802.11ac(VHT20)	W52	36	5180	17.5202	PASS
			40	5200	17.5165	PASS
			48	5240	17.5225	PASS
40MHz	802.11ac(VHT40)	W52	38	5190	35.8115	PASS
			46	5230	35.7922	PASS
80MHz	802.11ac(VHT80)	W52	38	5210	75.2356	PASS





**A.3. Unwanted Emission Intensity**

System	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (uW)	limit Strat~Stop	Verdict
20MHz	a	5180	30-5142	2647.34	-43.4	0.04571	2.5~2.5 uW/MHz	Pass
20MHz	a	5180	5142-5150	5144.59	-43.65	0.04315	15-15 uW/MHz	Pass
20MHz	a	5180	5250-5251	5250.51	-44.56	0.00003	1-0.1 mW/MHz	Pass
20MHz	a	5180	5251-5260	5255.94	-43.78	0.00004	0.1-0.0158 mW/MHz	Pass
20MHz	a	5180	5260-5266.7	5263.73	-44.8	0.00003	0.0158-0.0025 mW/MHz	Pass
20MHz	a	5180	5266.7-26000	10367.09	-31.8	0.66069	2.5~2.5 uW/MHz	Pass
20MHz	a	5200	30-5142	5126.66	-43.64	0.04325	2.5~2.5 uW/MHz	Pass
20MHz	a	5200	5142-5150	5149.25	-44.67	0.03412	15-15 uW/MHz	Pass
20MHz	a	5200	5250-5251	5250.94	-43.51	0.00004	1-0.1 mW/MHz	Pass
20MHz	a	5200	5251-5260	5252.45	-43.69	0.00004	0.1-0.0158 mW/MHz	Pass
20MHz	a	5200	5260-5266.7	5266.64	-43.99	0.00004	0.0158-0.0025 mW/MHz	Pass
20MHz	a	5200	5266.7-26000	10408.56	-30.93	0.80724	2.5~2.5 uW/MHz	Pass
20MHz	a	5240	30-5142	2672.9	-42.68	0.05395	2.5~2.5 uW/MHz	Pass
20MHz	a	5240	5142-5150	5143.94	-45.29	0.02958	15-15 uW/MHz	Pass
20MHz	a	5240	5250-5251	5250.01	-13.39	0.04581	1-0.1 mW/MHz	Pass
20MHz	a	5240	5251-5260	5254.27	-27.44	0.00180	0.1-0.0158 mW/MHz	Pass
20MHz	a	5240	5260-5266.7	5260.66	-38.29	0.00015	0.0158-0.0025 mW/MHz	Pass
20MHz	a	5240	5266.7-26000	10470.76	-30.3	0.93325	2.5~2.5 uW/MHz	Pass
20MHz	n20	5180	30-5142	3163.66	-43.57	0.04395	2.5~2.5 uW/MHz	Pass
20MHz	n20	5180	5142-5150	5148	-43.77	0.04198	15-15 uW/MHz	Pass
20MHz	n20	5180	5250-5251	5250.44	-44.39	0.00004	1-0.1 mW/MHz	Pass
20MHz	n20	5180	5251-5260	5258.3	-44.37	0.00004	0.1-0.0158 mW/MHz	Pass
20MHz	n20	5180	5260-5266.7	5262.98	-43.29	0.00005	0.0158-0.0025 mW/MHz	Pass
20MHz	n20	5180	5266.7-26000	10367.09	-33.31	0.46666	2.5~2.5 uW/MHz	Pass
20MHz	n20	5200	30-5142	3132.98	-42.88	0.05152	2.5~2.5 uW/MHz	Pass
20MHz	n20	5200	5142-5150	5148.42	-44	0.03981	15-15 uW/MHz	Pass
20MHz	n20	5200	5250-5251	5250.55	-43.88	0.00004	1-0.1 mW/MHz	Pass
20MHz	n20	5200	5251-5260	5257.61	-43.6	0.00004	0.1-0.0158 mW/MHz	Pass
20MHz	n20	5200	5260-5266.7	5265.52	-44.18	0.00004	0.0158-0.0025 mW/MHz	Pass



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20MHz	n20	5200	5266.7-26000	10408.56	-31.42	0.72111	2.5~2.5 uW/MHz	Pass
20MHz	n20	5240	30-5142	2800.7	-42.63	0.05458	2.5~2.5 uW/MHz	Pass
20MHz	n20	5240	5142-5150	5148.2	-44.2	0.03802	15-15 uW/MHz	Pass
20MHz	n20	5240	5250-5251	5250.05	-10.27	0.09397	1-0.1 mW/MHz	Pass
20MHz	n20	5240	5251-5260	5251.39	-22.17	0.00607	0.1-0.0158 mW/MHz	Pass
20MHz	n20	5240	5260-5266.7	5260.05	-31.19	0.00076	0.0158-0.0025 mW/MHz	Pass
20MHz	n20	5240	5266.7-26000	5266.7	-27.93	1.61065	2.5~2.5 uW/MHz	Pass
40MHz	n40	5190	30-5141.6	5136.49	-42.39	0.05768	2.5~2.5 uW/MHz	Pass
40MHz	n40	5190	5141.6-5150	5149.6	-37.65	0.17179	15-15 uW/MHz	Pass
40MHz	n40	5190	5250-5251	5250.69	-43.82	0.00004	0.5-0.05 mW/MHz	Pass
40MHz	n40	5190	5251-5270	5267.36	-43.68	0.00004	0.05-0.0079 mW/MHz	Pass
40MHz	n40	5190	5270-5278.4	5276.61	-44.4	0.00004	0.0079-0.0025 mW/MHz	Pass
40MHz	n40	5190	5278.4-26000	24259.39	-32.8	0.52481	2.5~2.5 uW/MHz	Pass
40MHz	n40	5230	30-5141.6	5131.38	-43.24	0.04742	2.5~2.5 uW/MHz	Pass
40MHz	n40	5230	5141.6-5150	5142.71	-44.65	0.03428	15-15 uW/MHz	Pass
40MHz	n40	5230	5250-5251	5250.07	-17.51	0.01774	0.5-0.05 mW/MHz	Pass
40MHz	n40	5230	5251-5270	5251.02	-25.1	0.00309	0.05-0.0079 mW/MHz	Pass
40MHz	n40	5230	5270-5278.4	5270.31	-35.55	0.00028	0.0079-0.0025 mW/MHz	Pass
40MHz	n40	5230	5278.4-26000	24404.44	-33.32	0.46559	2.5~2.5 uW/MHz	Pass
20MHz	ac20	5180	30-5142	2683.13	-43.1	0.04898	2.5~2.5 uW/MHz	Pass
20MHz	ac20	5180	5142-5150	5149.76	-43.53	0.04436	15-15 uW/MHz	Pass
20MHz	ac20	5180	5250-5251	5250.59	-44.52	0.00004	1-0.1 mW/MHz	Pass
20MHz	ac20	5180	5251-5260	5256.72	-44.48	0.00004	0.1-0.0158 mW/MHz	Pass
20MHz	ac20	5180	5260-5266.7	5260.13	-44.7	0.00003	0.0158-0.0025 mW/MHz	Pass
20MHz	ac20	5180	5266.7-26000	10367.09	-32.35	0.58210	2.5~2.5 uW/MHz	Pass
20MHz	ac20	5200	30-5142	2678.02	-42.62	0.05470	2.5~2.5 uW/MHz	Pass
20MHz	ac20	5200	5142-5150	5144.97	-44.44	0.03597	15-15 uW/MHz	Pass
20MHz	ac20	5200	5250-5251	5250.37	-43.83	0.00004	1-0.1 mW/MHz	Pass
20MHz	ac20	5200	5251-5260	5256.68	-42.49	0.00006	0.1-0.0158 mW/MHz	Pass
20MHz	ac20	5200	5260-5266.7	5262.58	-44.62	0.00003	0.0158-0.0025 mW/MHz	Pass
20MHz	ac20	5200	5266.7-26000	10408.56	-30.57	0.87700	2.5~2.5 uW/MHz	Pass



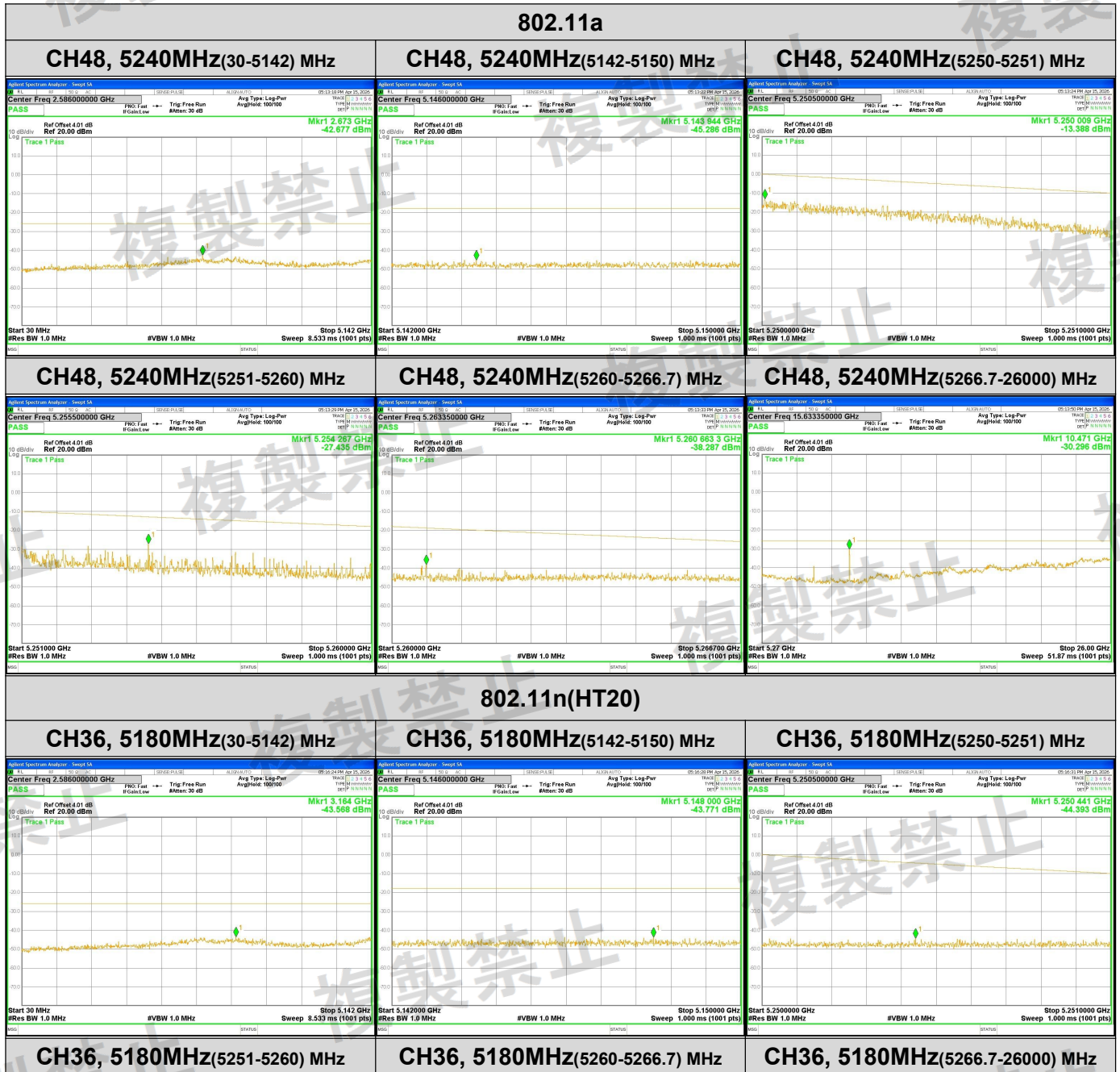
REPORT No.: SZ26040195W01

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20MHz	ac20	5240	5142-5150	5142.08	-43.77	0.04198	15-15 uW/MHz	Pass
20MHz	ac20	5240	5250-5251	5250	-11.15	0.07674	1-0.1 mW/MHz	Pass
20MHz	ac20	5240	5251-5260	5252.3	-27.06	0.00197	0.1-0.0158 mW/MHz	Pass
20MHz	ac20	5240	5260-5266.7	5260.75	-34.31	0.00037	0.0158-0.0025 mW/MHz	Pass
20MHz	ac20	5240	5266.7-26000	10491.49	-31.86	0.65163	2.5~2.5 uW/MHz	Pass
40MHz	ac40	5190	30-5141.6	3030.51	-42.02	0.06281	2.5~2.5 uW/MHz	Pass
40MHz	ac40	5190	5141.6-5150	5142.89	-43.63	0.04335	15-15 uW/MHz	Pass
40MHz	ac40	5190	5250-5251	5250.99	-44.68	0.00003	0.5-0.05 mW/MHz	Pass
40MHz	ac40	5190	5251-5270	5265.8	-43.77	0.00004	0.05-0.0079 mW/MHz	Pass
40MHz	ac40	5190	5270-5278.4	5275.23	-44.23	0.00004	0.0079-0.0025 mW/MHz	Pass
40MHz	ac40	5190	5278.4-26000	25834.23	-34.41	0.36224	2.5~2.5 uW/MHz	Pass
40MHz	ac40	5230	30-5141.6	3296.31	-43.97	0.04009	2.5~2.5 uW/MHz	Pass
40MHz	ac40	5230	5141.6-5150	5149.4	-44.74	0.03357	15-15 uW/MHz	Pass
40MHz	ac40	5230	5250-5251	5250.03	-17.36	0.01837	0.5-0.05 mW/MHz	Pass
40MHz	ac40	5230	5251-5270	5251.04	-22.71	0.00536	0.05-0.0079 mW/MHz	Pass
40MHz	ac40	5230	5270-5278.4	5270.73	-33.86	0.00041	0.0079-0.0025 mW/MHz	Pass
40MHz	ac40	5230	5278.4-26000	25813.51	-33.14	0.48529	2.5~2.5 uW/MHz	Pass
80MHz	ac80	5210	30-5123.2	3055.36	-42.85	0.05188	2.5~2.5 uW/MHz	Pass
80MHz	ac80	5210	5123.2-5150	5149.12	-40.86	0.08204	15-15 uW/MHz	Pass
80MHz	ac80	5210	5250-5251	5250.03	-21.86	0.00652	0.25-0.025 mW/MHz	Pass
80MHz	ac80	5210	5251-5290	5251	-29.13	0.00122	0.025-0.0040 mW/MHz	Pass
80MHz	ac80	5210	5290-5296.7	5290.21	-40.56	0.00009	0.0040-0.0025 mW/MHz	Pass
80MHz	ac80	5210	5296.7-26000	24654.29	-34.46	0.35810	2.5~2.5 uW/MHz	Pass



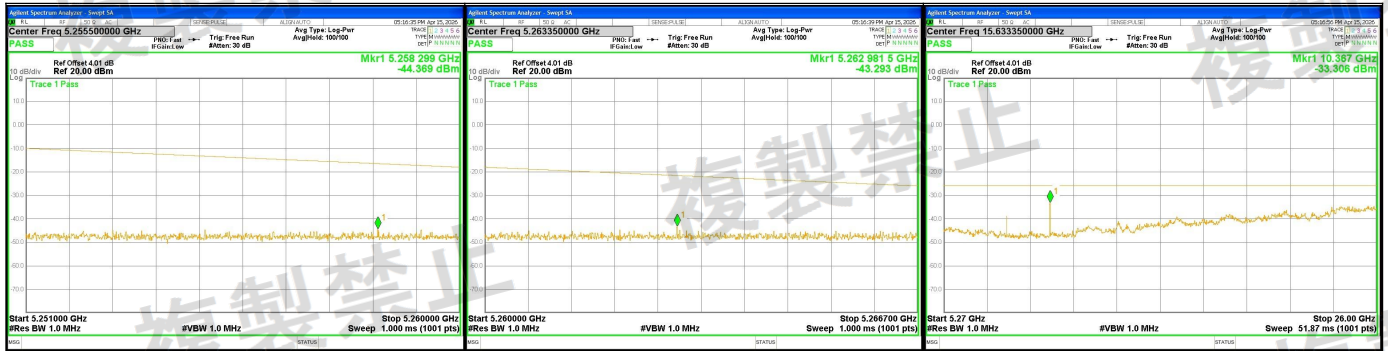


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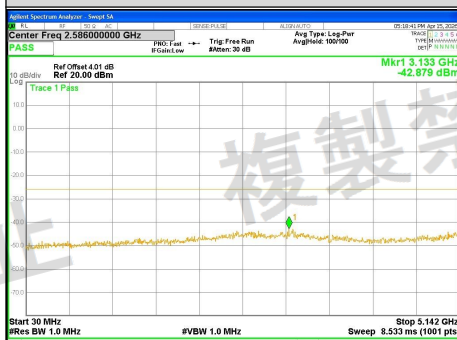


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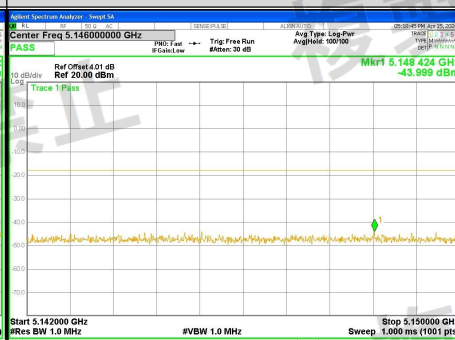


802.11n(HT20)

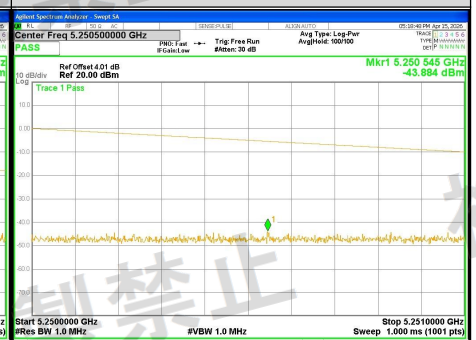
CH40, 5200MHz(30-5142) MHz



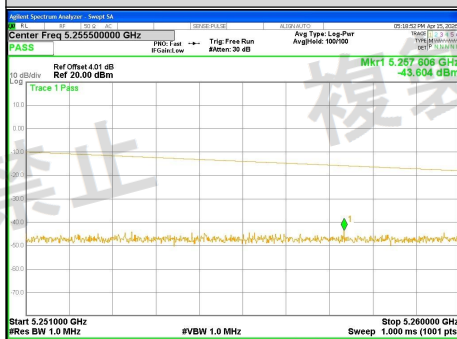
CH40, 5200MHz(5142-5150) MHz



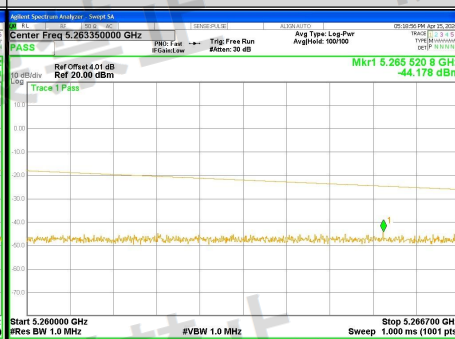
CH40, 5200MHz(5250-5251) MHz



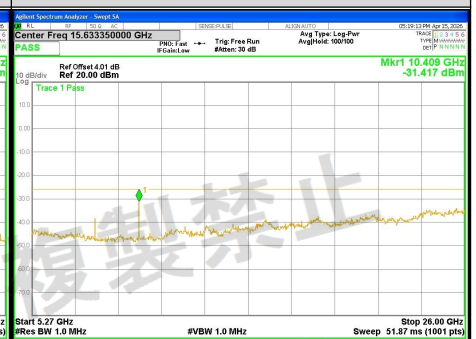
CH40, 5200MHz(5251-5260) MHz



CH40, 5200MHz(5260-5266.7) MHz



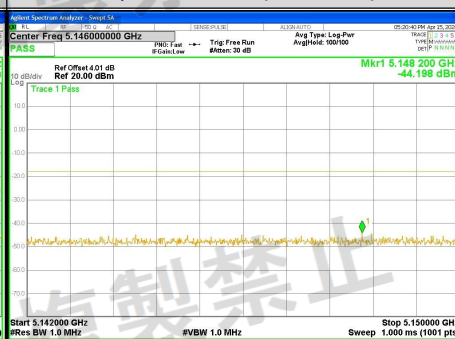
CH40, 5200MHz(5266.7-26000) MHz



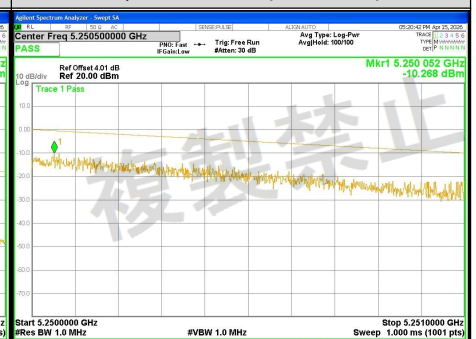
CH48, 5240MHz(30-5142) MHz



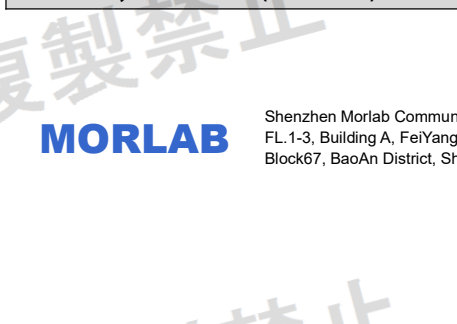
CH48, 5240MHz(5142-5150) MHz



CH48, 5240MHz(5250-5251) MHz



CH48, 5240MHz(5251-5260) MHz



CH48, 5240MHz(5260-5266.7) MHz



CH48, 5240MHz(5266.7-26000) MHz



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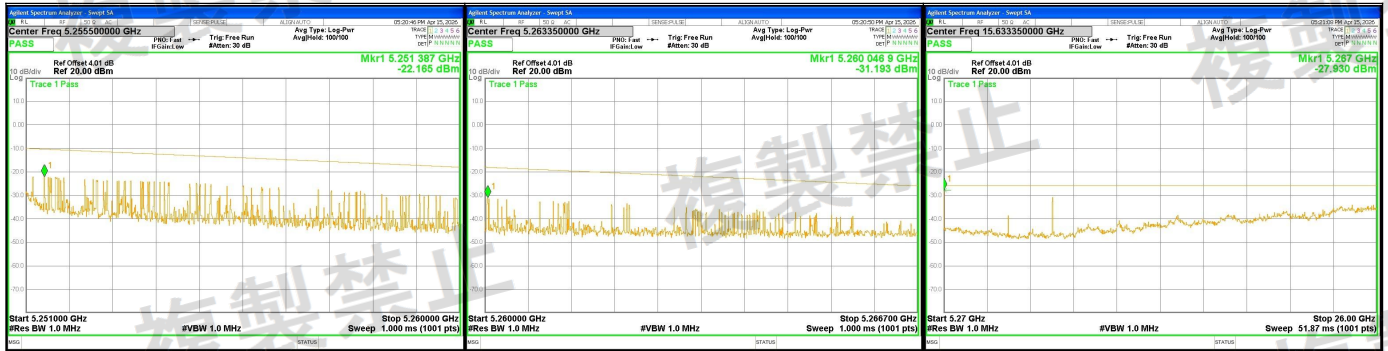
Shenzhen Morlab Communications Technology Co., Ltd.
FL-1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

Tel: 86-755-36698555

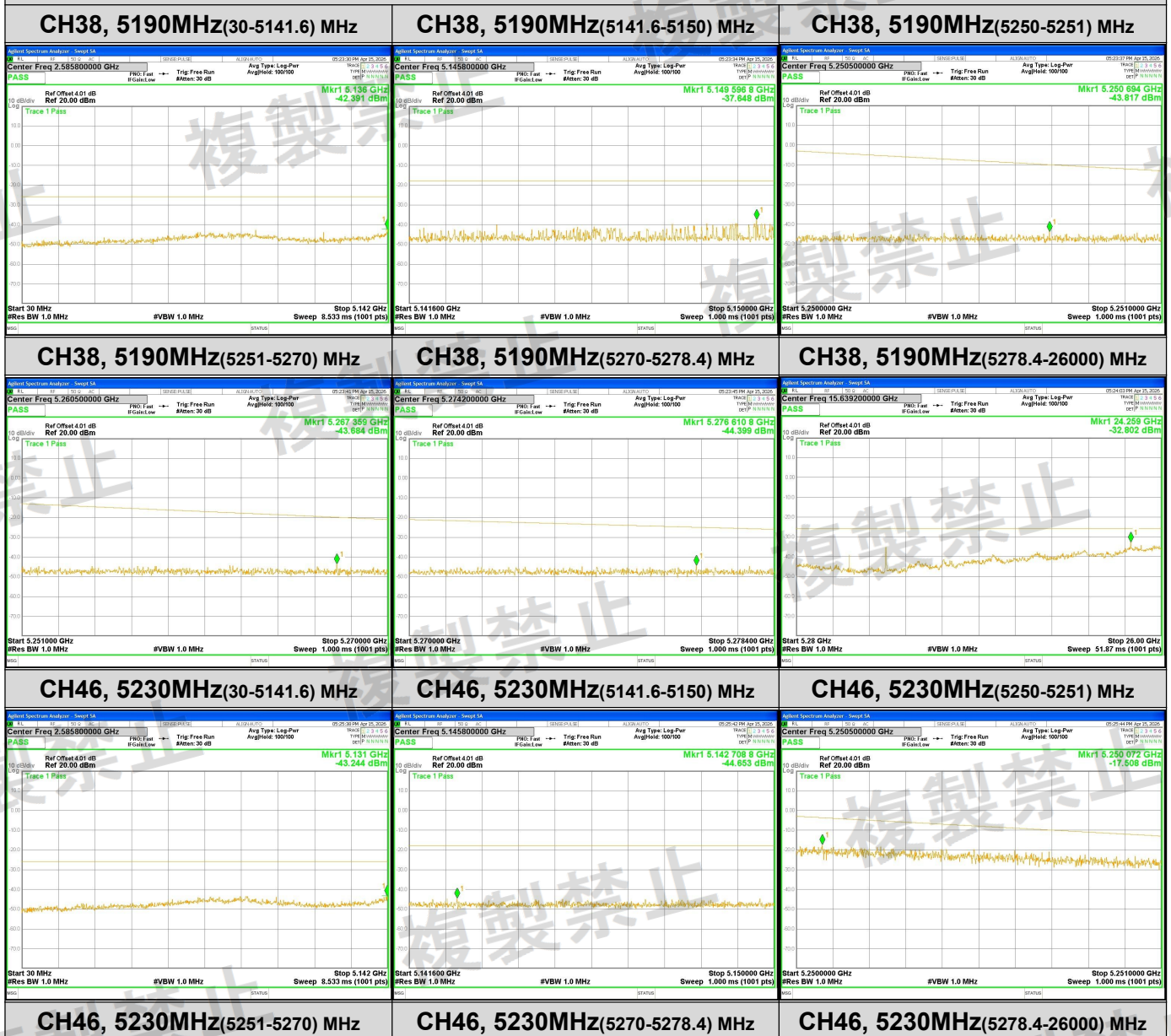
Http://www.morlab.cn

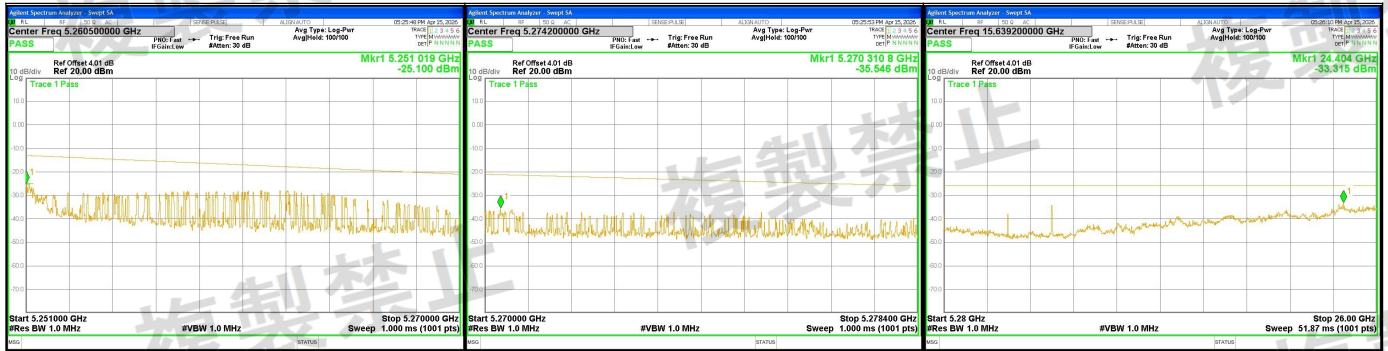
Fax: 86-755-36698525

E-mail: service@morlab.cn



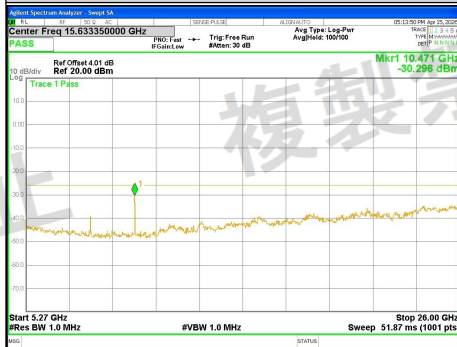
802.11n(HT40)



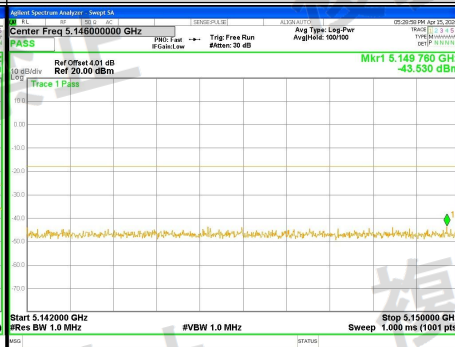


802.11ac(VHT20)

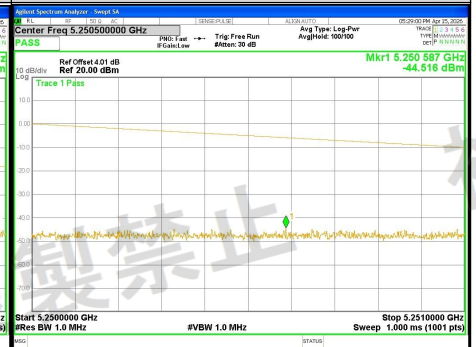
CH36, 5180MHz(30-5142) MHz



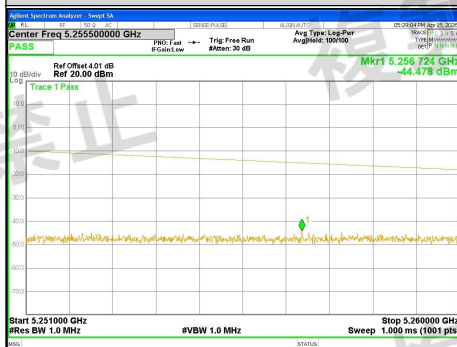
CH36, 5180MHz(5142-5150) MHz



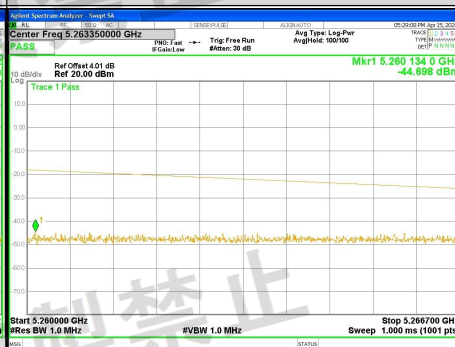
CH36, 5180MHz(5250-5251) MHz



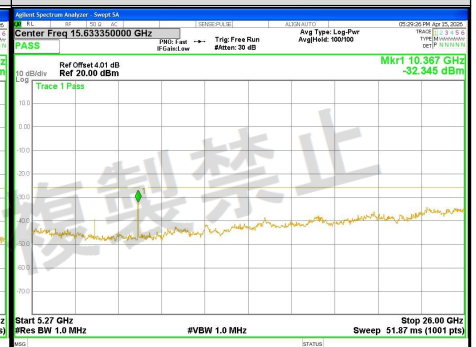
CH36, 5180MHz(5251-5260) MHz



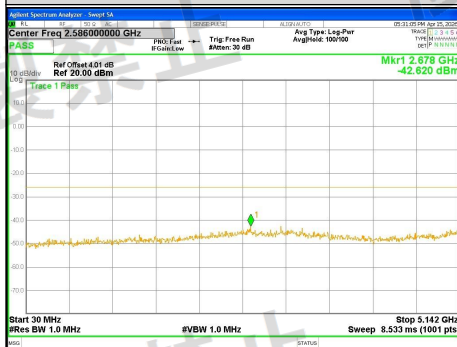
CH36, 5180MHz(5260-5266.7) MHz



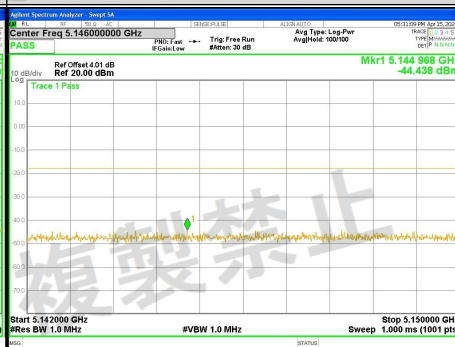
CH36, 5180MHz(5266.7-26000) MHz



CH40, 5200MHz(30-5142) MHz



CH40, 5200MHz(5142-5150) MHz



CH40, 5200MHz(5250-5251) MHz



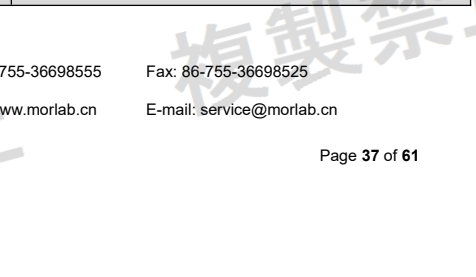
CH40, 5200MHz(5251-5260) MHz



CH40, 5200MHz(5260-5266.7) MHz

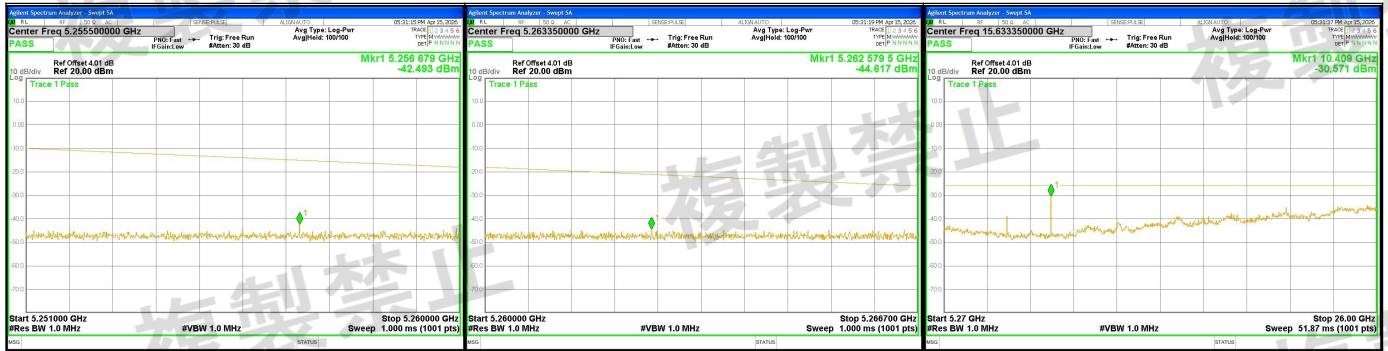


CH40, 5200MHz(5266.7-26000) MHz





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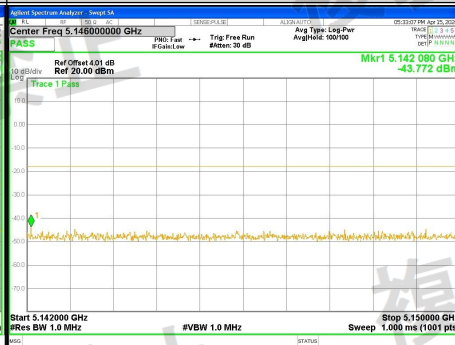


802.11ac(VHT20)

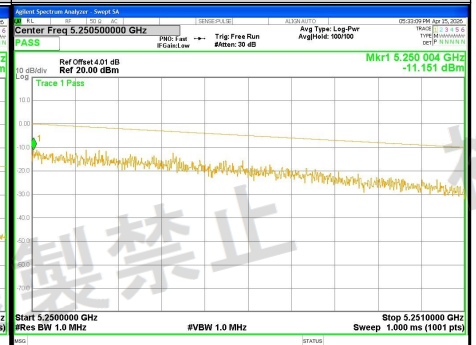
CH48, 5240MHz(30-5142) MHz



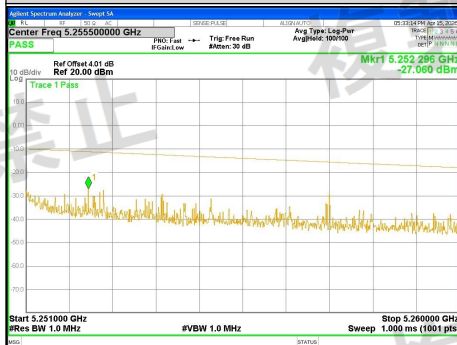
CH48, 5240MHz(5142-5150) MHz



CH48, 5240MHz(5250-5251) MHz



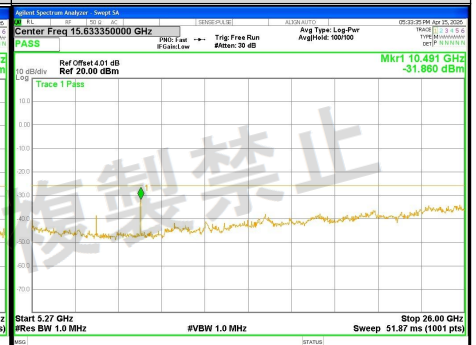
CH48, 5240MHz(5251-5260) MHz



CH48, 5240MHz(5260-5266.7) MHz

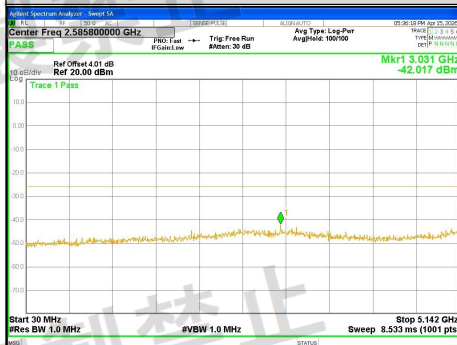


CH48, 5240MHz(5266.7-26000) MHz

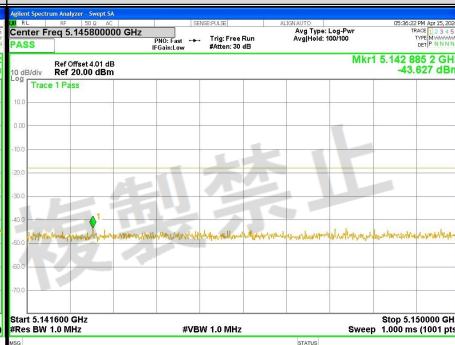


802.11ac(VHT40)

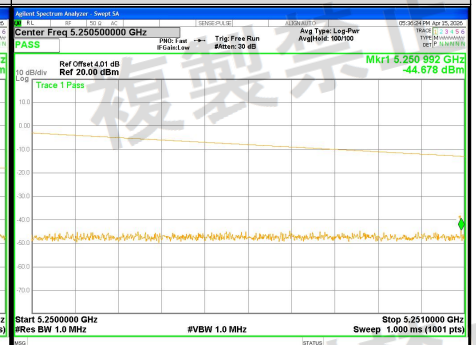
CH38, 5190MHz(30-5141.6) MHz



CH38, 5190MHz(5141.6-5150) MHz



CH38, 5190MHz(5250-5251) MHz



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Tel: 86-755-36698555

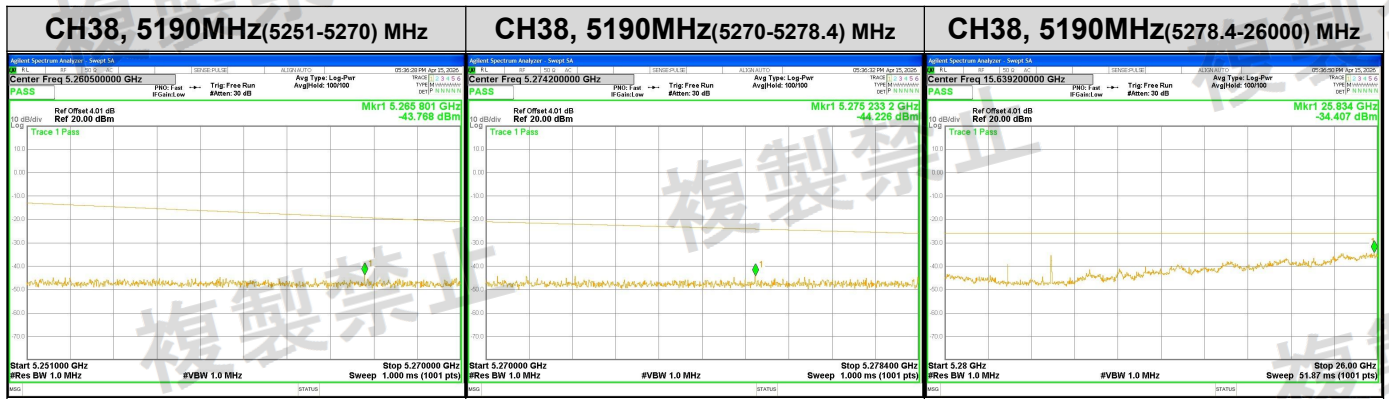
Http://www.morlab.cn

Fax: 86-755-36698525

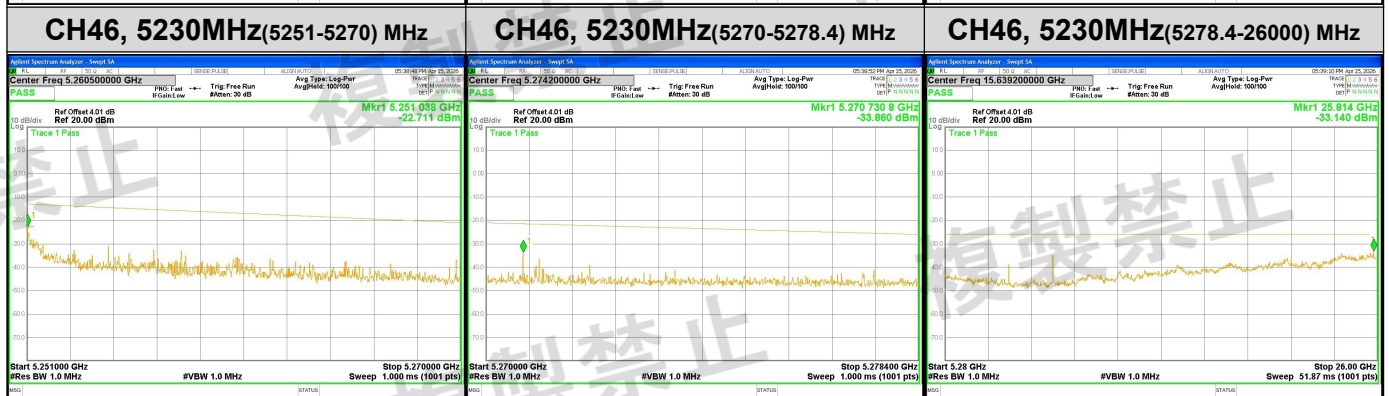
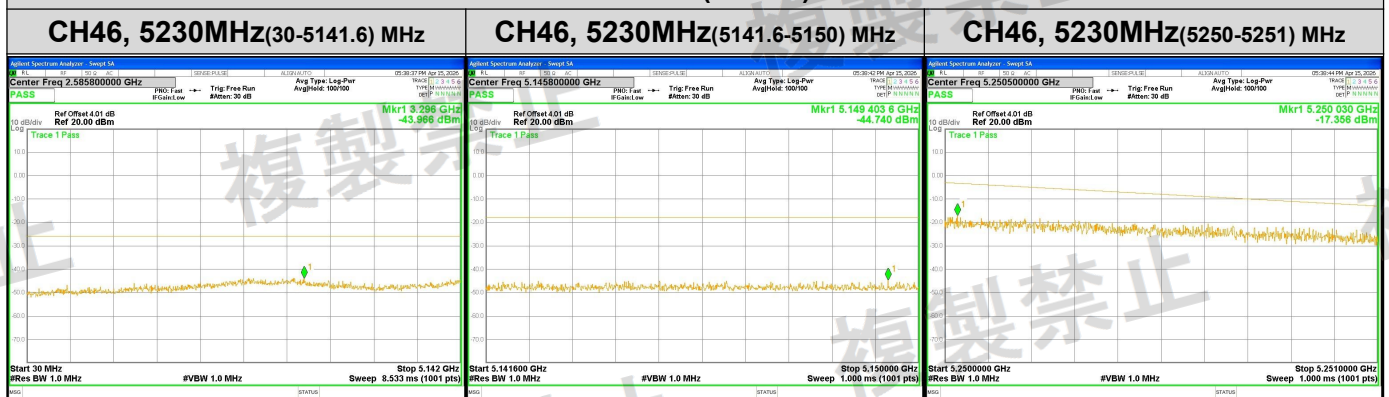
E-mail: service@morlab.cn



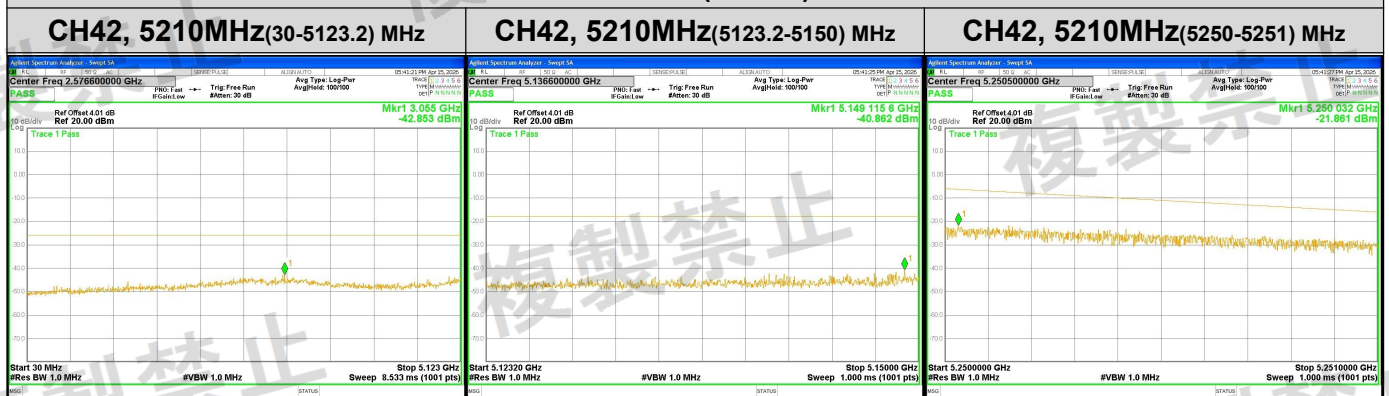
REPORT No.: SZ26040195W01



802.11ac(VHT40)



802.11ac(VHT80)



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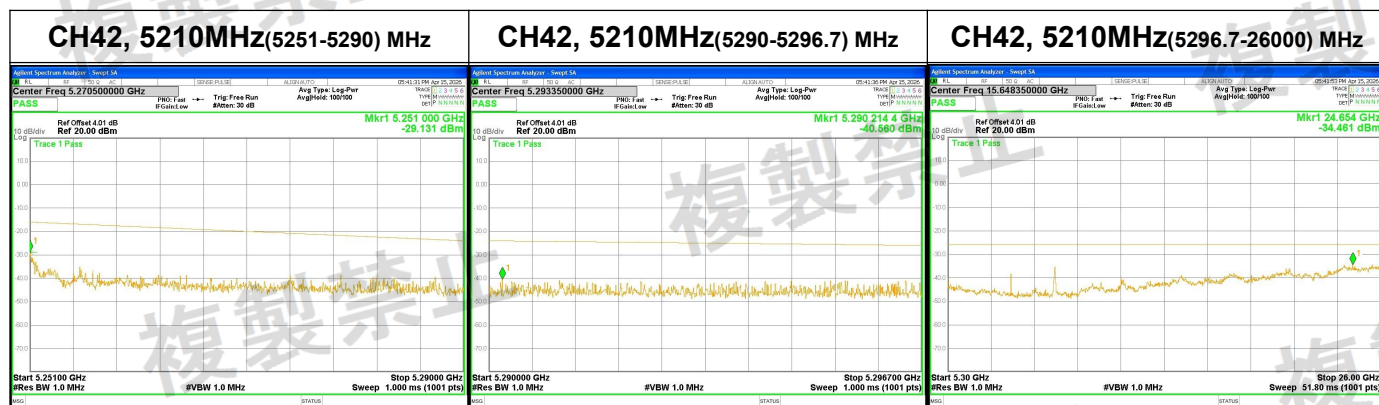
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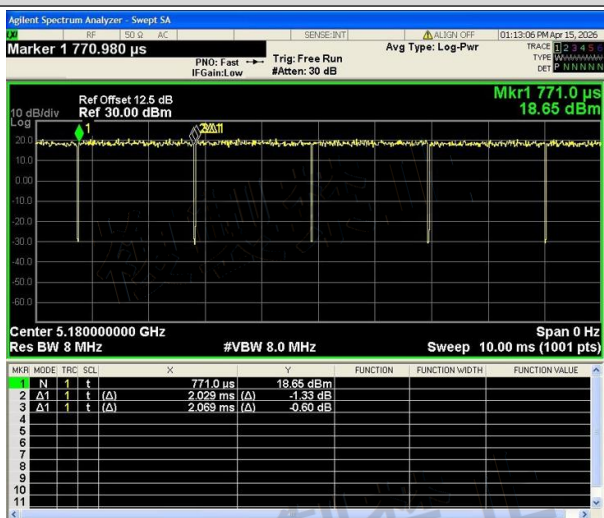
A.4. Antenna Power Tolerance

Mode	Band	Freq. (MHz)	Test Value Pt (dBm/ MHz)	Duty Factor	Antenna Power P(dBm/ MHz)	Antenna Power P (mW/ MHz)	Declare Power (mW/ MHz)	Antenna Power Error	Verdict
802.11a	W52	5180	4.12	0.17	4.29	2.69	3.5	-23.28%	PASS
		5200	3.98		3.98	2.50		-28.56%	PASS
		5240	3.75		3.75	2.37		-32.25%	PASS
802.11n (HT20)	W52	5180	3.6	0.18	3.78	2.39	3.0	-20.41%	PASS
		5200	3.4		3.4	2.19		-27.07%	PASS
		5240	3.84		3.84	2.42		-19.30%	PASS
802.11ac (VHT20)	W52	5180	3.36	0.18	3.54	2.26	3.0	-24.69%	PASS
		5200	3.36		3.36	2.17		-27.74%	PASS
		5240	3.72		3.72	2.36		-24.50%	PASS
802.11n (HT40)	W52	5190	0.57	0.37	0.94	1.24	2.0	-37.92%	PASS
		5230	0.54		0.54	1.13		-43.38%	PASS
802.11ac (VHT40)	W52	5190	0.43	0.27	0.7	1.17	2.0	-41.26%	PASS
		5230	0.67		0.67	1.17		-41.66%	PASS
802.11ac (VHT80)	W52	5210	-1.23	0.65	-0.58	0.87	1.0	-12.50%	PASS

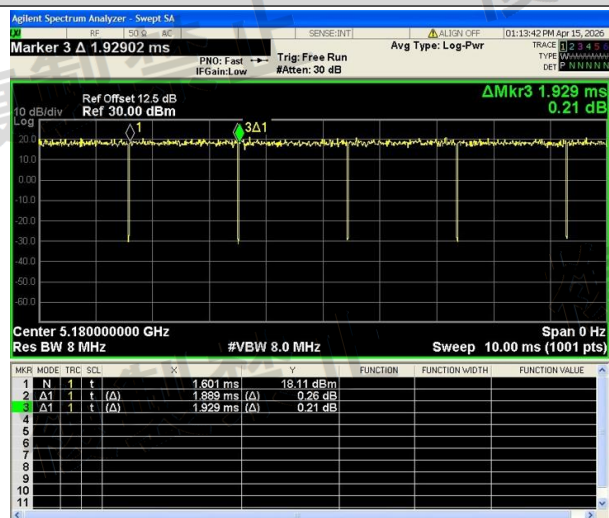


Duty Cycle

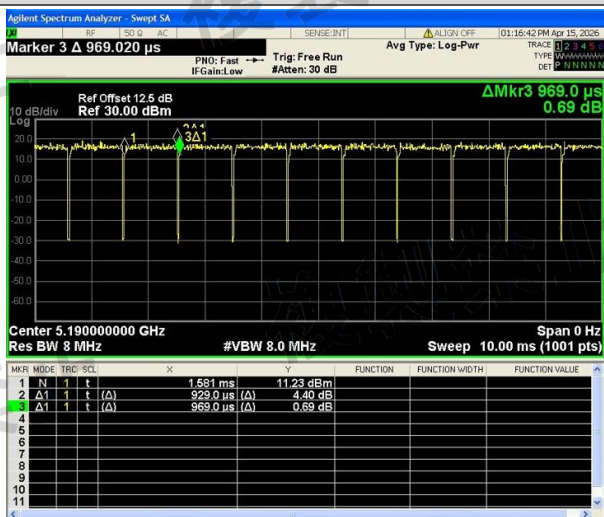
802.11a



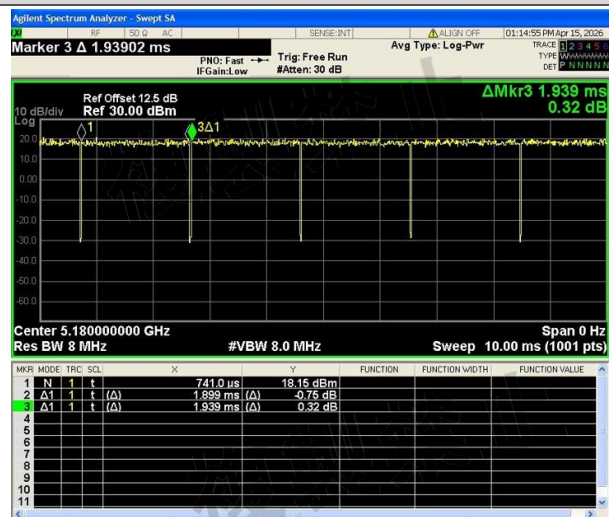
802.11n(HT20)



802.11n(HT40)



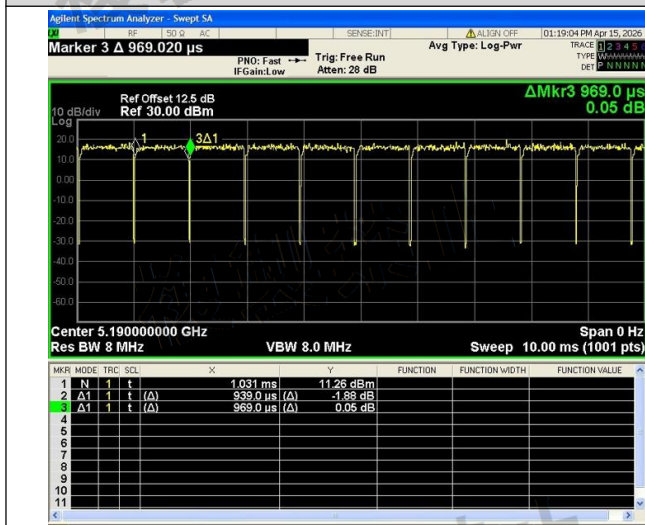
802.11ac(VHT20)



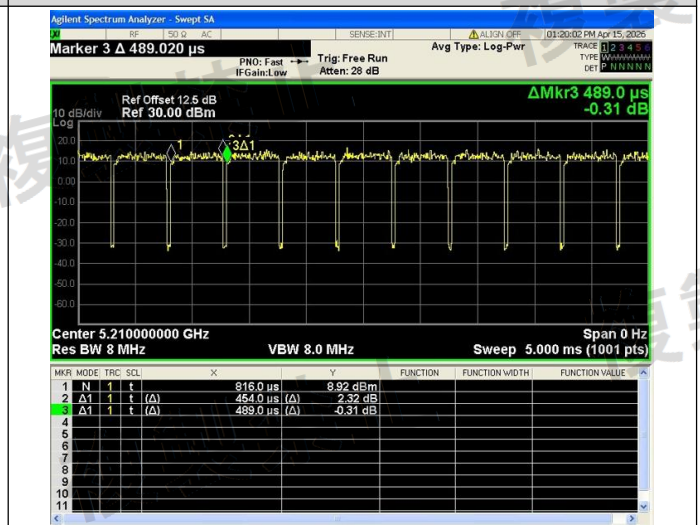


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802.11ac(VHT40)

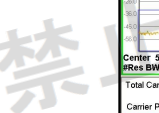


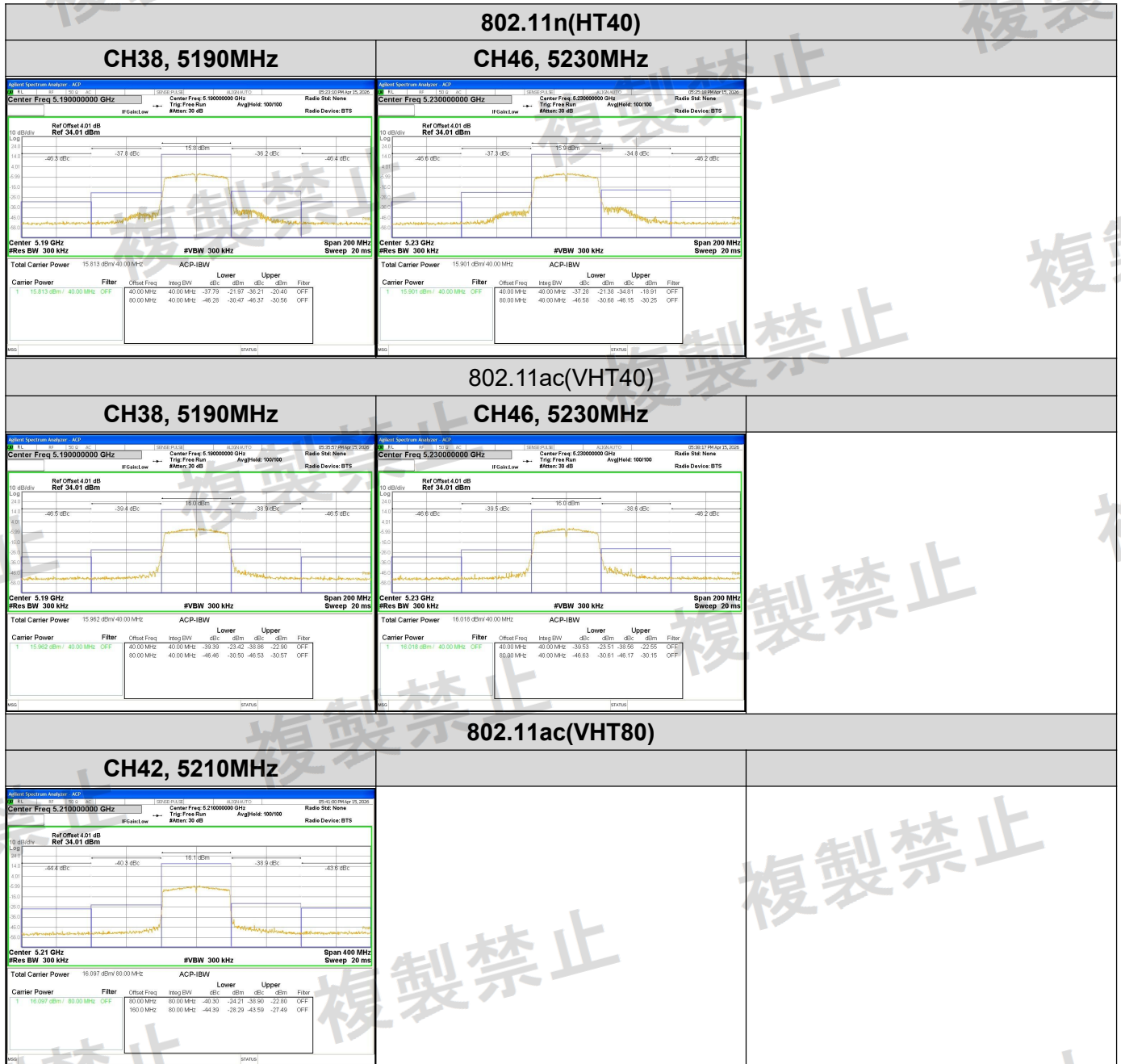
802.11ac(VHT80)



**A.5. Adjacent Channel Emitted Power**

System	Mode	Band	Freq. (MHz)	Adjacent Channel Emitted Power and Limit (dBc)						Verdict
				Offset Freq=20MHz			Offset Freq=40MHz			
				P _{L20}	P _{U20}	Limit	P _{L40}	P _{U40}	Limit	
20MHz	802.11a	W52	5180	-39.02	-39.19	≤-25	-49.4	-49.52	≤-40	PASS
			5200	-38.97	-39.39		-48.92	-48.87		PASS
			5240	-38.74	-39		-49.5	-49.07		PASS
20MHz	802.11n (HT20)	W52	5180	-36.44	-36.4	≤-25	-48.89	-49.02	≤-40	PASS
			5200	-36.34	-35.97		-48.77	-48.68		PASS
			5240	-34.4	-34.83		-49.09	-48.54		PASS
20MHz	802.11ac (VHT20)	W52	5180	-37.68	-37.8	≤-25	-48.87	-49.01	≤-40	PASS
			5200	-36.84	-37.72		-48.86	-48.86		PASS
			5240	-36.87	-36.96		-49.11	-48.83		PASS
System	Mode	Band	Freq. (MHz)	Adjacent Channel Emitted Power and Limit (dBc)						Verdict
				Offset Freq=40MHz			Offset Freq=80MHz			
				P _{L40}	P _{U40}	Limit	P _{U80}	P _{L80}	Limit	
40MHz	802.11n (HT40)	W52	5190	-37.79	-36.21	≤-25	-46.28	-46.37	≤-40	PASS
			5230	-37.28	-34.81		-46.58	-46.15		PASS
40MHz	802.11ac (VHT40)	W52	5190	-39.39	-38.86	≤-25	-46.46	-46.53	≤-40	PASS
			5230	-39.53	-38.56		-46.63	-46.17		PASS
System	Mode	Band	Freq. (MHz)	Adjacent Channel Emitted Power and Limit (dBc)						Verdict
				Offset Freq=80MHz			Offset Freq=160MHz			
				P _{L80}	P _{U80}	Limit	P _{U80}	P _{L80}	Limit	
80MHz	802.11ac (VHT80)	W52	5210	-40.3	-38.9	≤-25	-44.39	-43.59	≤-40	PASS

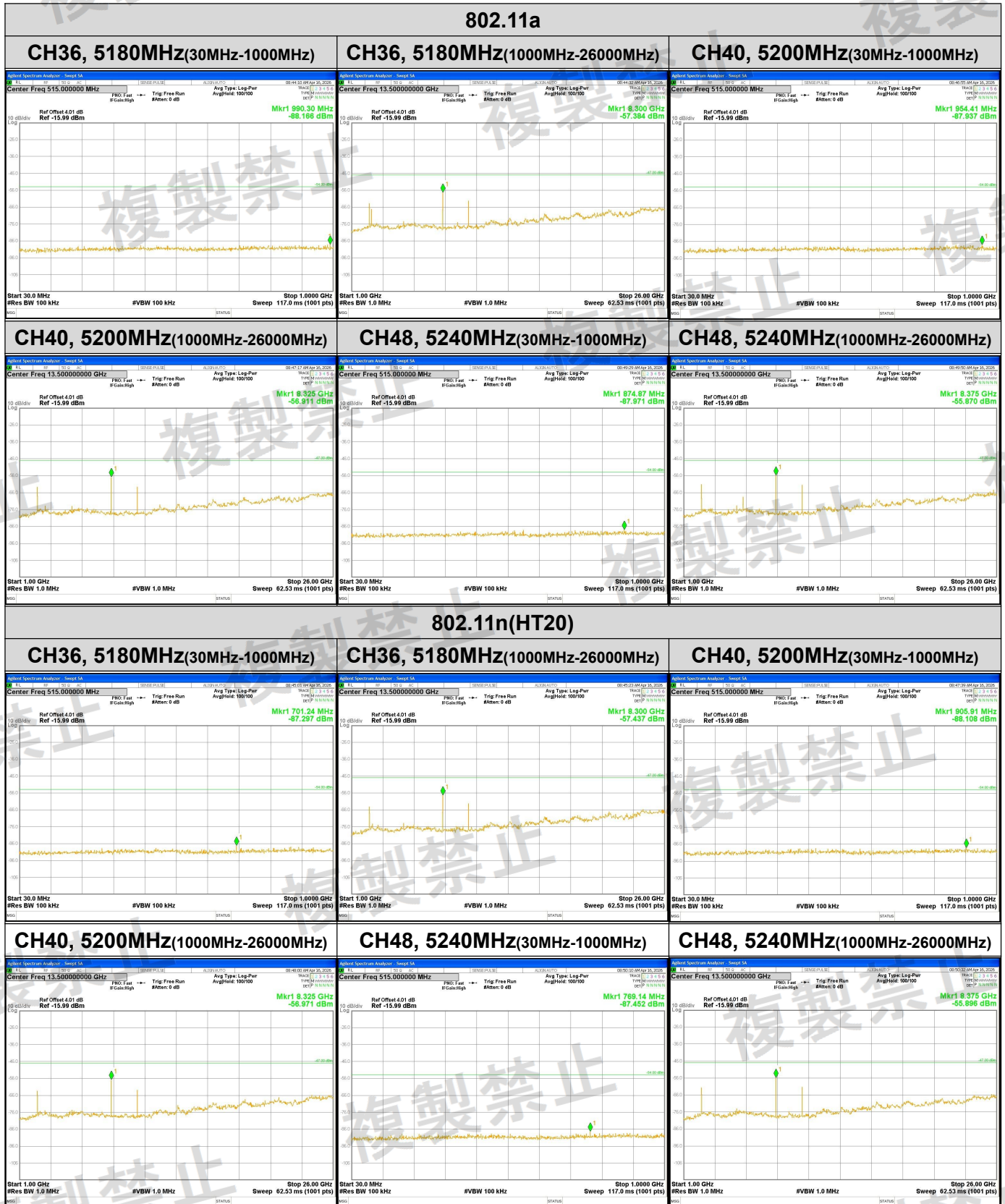




**A.7. Limitation of Collateral Emission of Receiver**

Mode	Frequency Range (MHz)	Test Result Value	Limit	Verdict
Receive	30~1000	Refer to below plot	4nW/100kHz	PASS
	1000~12500		20nW/MHz	PASS

System	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
20MHz	a	5180	30-1000	990.3	-88.17	0.0015	<=4	Pass
20MHz	a	5180	1000-26000	8300	-57.38	1.8281	<=20	Pass
20MHz	a	5200	30-1000	954.41	-87.94	0.0016	<=4	Pass
20MHz	a	5200	1000-26000	8325	-56.91	2.0370	<=20	Pass
20MHz	a	5240	30-1000	874.87	-87.97	0.0016	<=4	Pass
20MHz	a	5240	1000-26000	8375	-55.87	2.5882	<=20	Pass
20MHz	n20	5180	30-1000	701.24	-87.3	0.0019	<=4	Pass
20MHz	n20	5180	1000-26000	8300	-57.44	1.8030	<=20	Pass
20MHz	n20	5200	30-1000	905.91	-88.11	0.0015	<=4	Pass
20MHz	n20	5200	1000-26000	8325	-56.97	2.0091	<=20	Pass
20MHz	n20	5240	30-1000	769.14	-87.45	0.0018	<=4	Pass
20MHz	n20	5240	1000-26000	8375	-55.9	2.5704	<=20	Pass
40MHz	n40	5190	30-1000	845.77	-88	0.0016	<=4	Pass
40MHz	n40	5190	1000-26000	8300	-57.39	1.8239	<=20	Pass
40MHz	n40	5230	30-1000	866.14	-87.92	0.0016	<=4	Pass
40MHz	n40	5230	1000-26000	8375	-56.06	2.4774	<=20	Pass
20MHz	ac20	5180	30-1000	846.74	-86.34	0.0023	<=4	Pass
20MHz	ac20	5180	1000-26000	8300	-57.43	1.8072	<=20	Pass
20MHz	ac20	5200	30-1000	850.62	-88.04	0.0016	<=4	Pass
20MHz	ac20	5200	1000-26000	8325	-56.72	2.1281	<=20	Pass
20MHz	ac20	5240	30-1000	750.71	-87.72	0.0017	<=4	Pass
20MHz	ac20	5240	1000-26000	8375	-55.9	2.5704	<=20	Pass
40MHz	ac40	5190	30-1000	388.9	-88.11	0.0015	<=4	Pass
40MHz	ac40	5190	1000-26000	8300	-57.4	1.8197	<=20	Pass
40MHz	ac40	5230	30-1000	321	-86.95	0.0020	<=4	Pass
40MHz	ac40	5230	1000-26000	8375	-55.79	2.6363	<=20	Pass
80MHz	ac80	5210	30-1000	857.41	-87.43	0.0018	<=4	Pass
80MHz	ac80	5210	1000-26000	8325	-56.41	2.2856	<=20	Pass

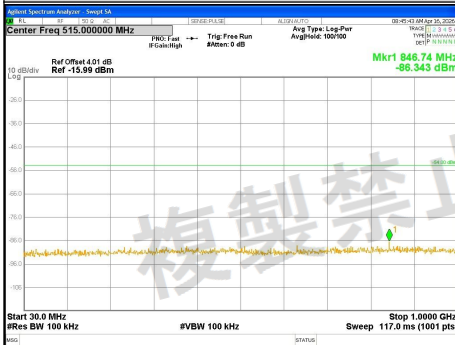




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802.11ac(VHT20)

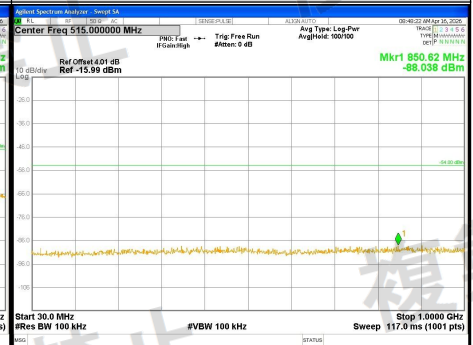
CH36, 5180MHz(30MHz-1000MHz)



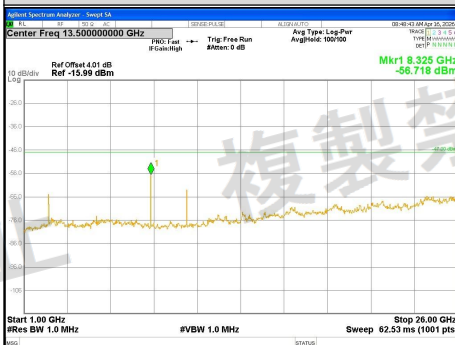
CH36, 5180MHz(1000MHz-26000MHz)



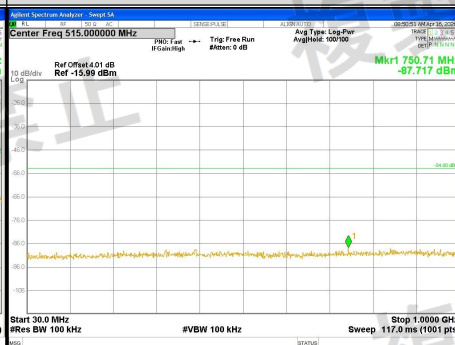
CH40, 5200MHz(30MHz-1000MHz)



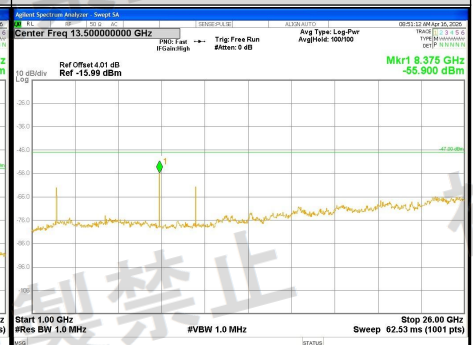
CH40, 5200MHz(1000MHz-26000MHz)



CH48, 5240MHz(30MHz-1000MHz)

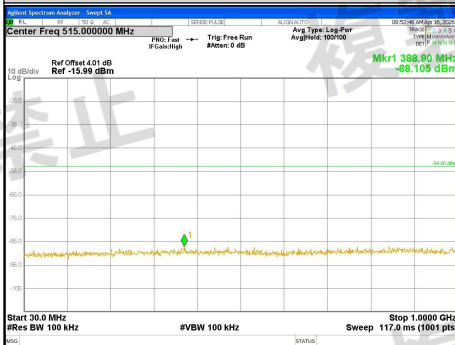


CH48, 5240MHz(1000MHz-26000MHz)



802.11ac(VHT40)

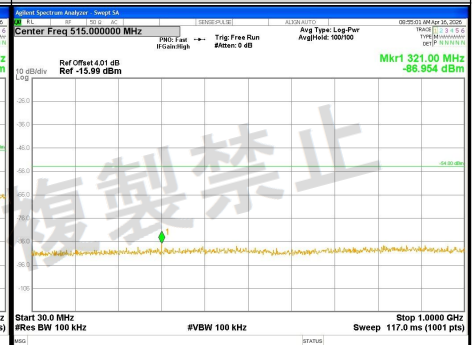
CH38, 5190MHz(30MHz-1000MHz)



CH38, 5190MHz(1000MHz-26000MHz)

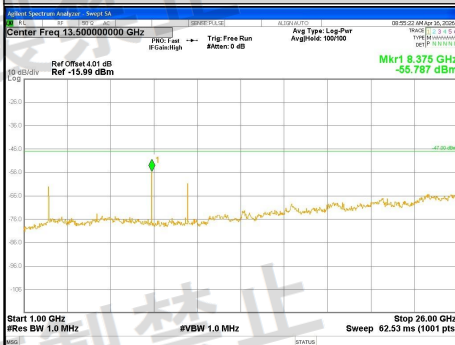


CH46, 5230MHz(30MHz-1000MHz)



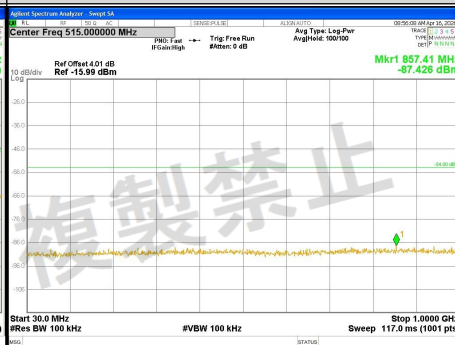
802.11ac(VHT40)

CH46, 5230MHz(1000MHz-26000MHz)



802.11ac(VHT80)

CH42, 5210MHz(30MHz-1000MHz)



CH42, 5210MHz(1000MHz-26000MHz)



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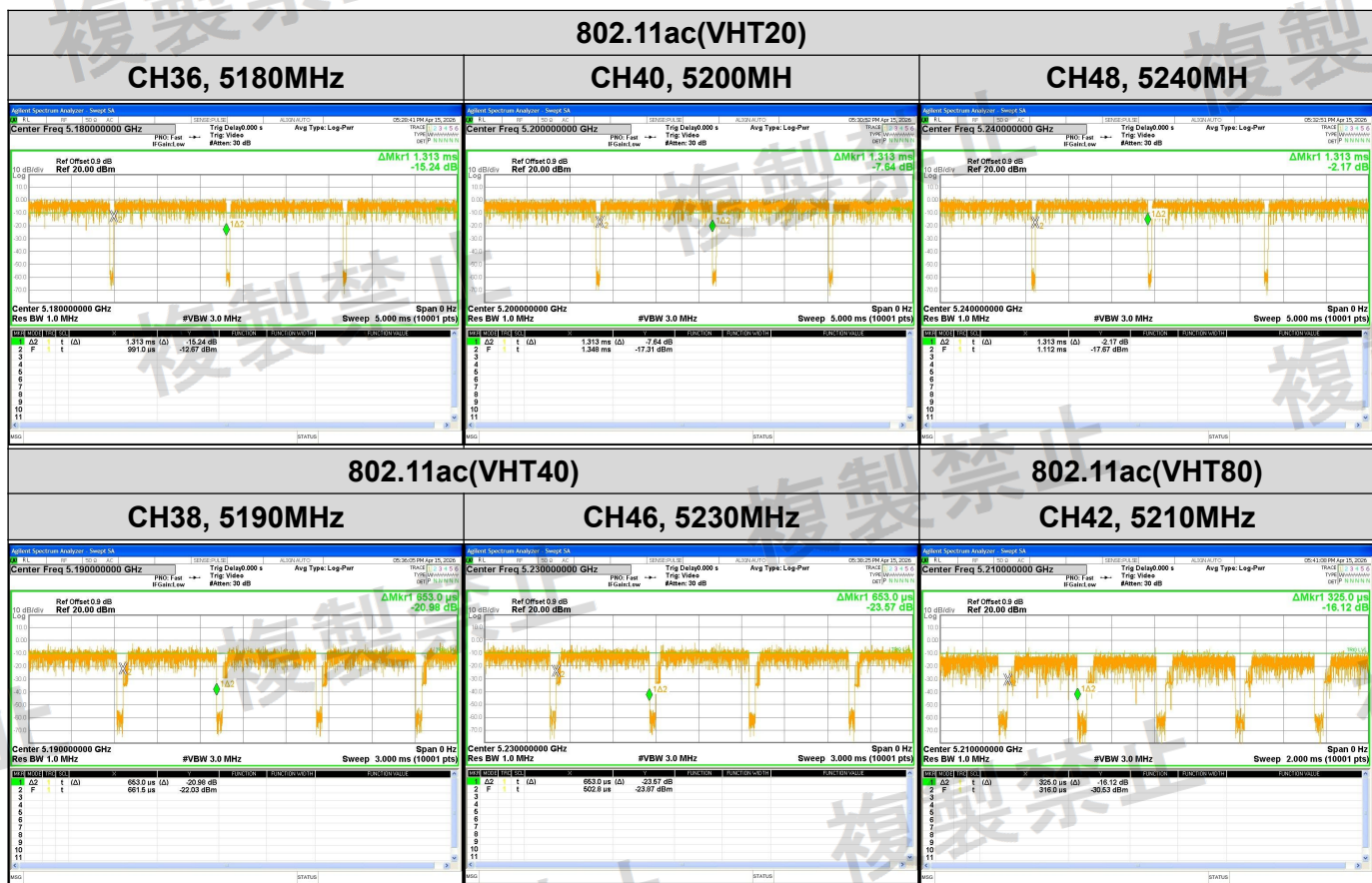
A.8. E.I.R.P.

Mode	Operation Band	Frequency (MHz)	Measured E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	W52	5180	5.284	10.00	PASS
		5200	5.117	10.00	PASS
		5240	4.853	10.00	PASS
802.11n(HT20)	W52	5180	4.688	10.00	PASS
		5200	4.477	10.00	PASS
		5240	4.955	10.00	PASS
802.11ac(VHT20)	W52	5180	2.333	10.00	PASS
		5200	2.317	10.00	PASS
		5240	4.436	10.00	PASS
802.11n(HT40)	W52	5190	4.436	6.99	PASS
		5230	4.819	6.99	PASS
802.11ac(VHT40)	W52	5190	2.259	6.99	PASS
		5230	2.388	6.99	PASS
802.11ac(VHT80)	W52	5210	1.542	3.98	PASS

**A.9. Transmission Burst Length**

Mode	Channel	Frequency (MHz)	Burst Length (ms)	Limit	Verdict
802.11a	36	5180	1.393	≤8ms	PASS
802.11a	40	5200	1.393	≤8ms	PASS
802.11a	48	5240	1.393	≤8ms	PASS
802.11n(HT20)	36	5180	1.301	≤8ms	PASS
802.11n(HT20)	40	5200	1.301	≤8ms	PASS
802.11n(HT20)	48	5240	1.301	≤8ms	PASS
802.11n(HT40)	38	5190	0.649	≤8ms	PASS
802.11n(HT40)	46	5230	0.648	≤8ms	PASS
802.11ac(VHT20)	36	5180	1.313	≤8ms	PASS
802.11ac(VHT20)	40	5200	1.313	≤8ms	PASS
802.11ac(VHT20)	48	5240	1.313	≤8ms	PASS
802.11ac(VHT40)	38	5190	0.653	≤8ms	PASS
802.11ac(VHT40)	46	5230	0.653	≤8ms	PASS
802.11ac(VHT80)	42	5210	0.325	≤8ms	PASS







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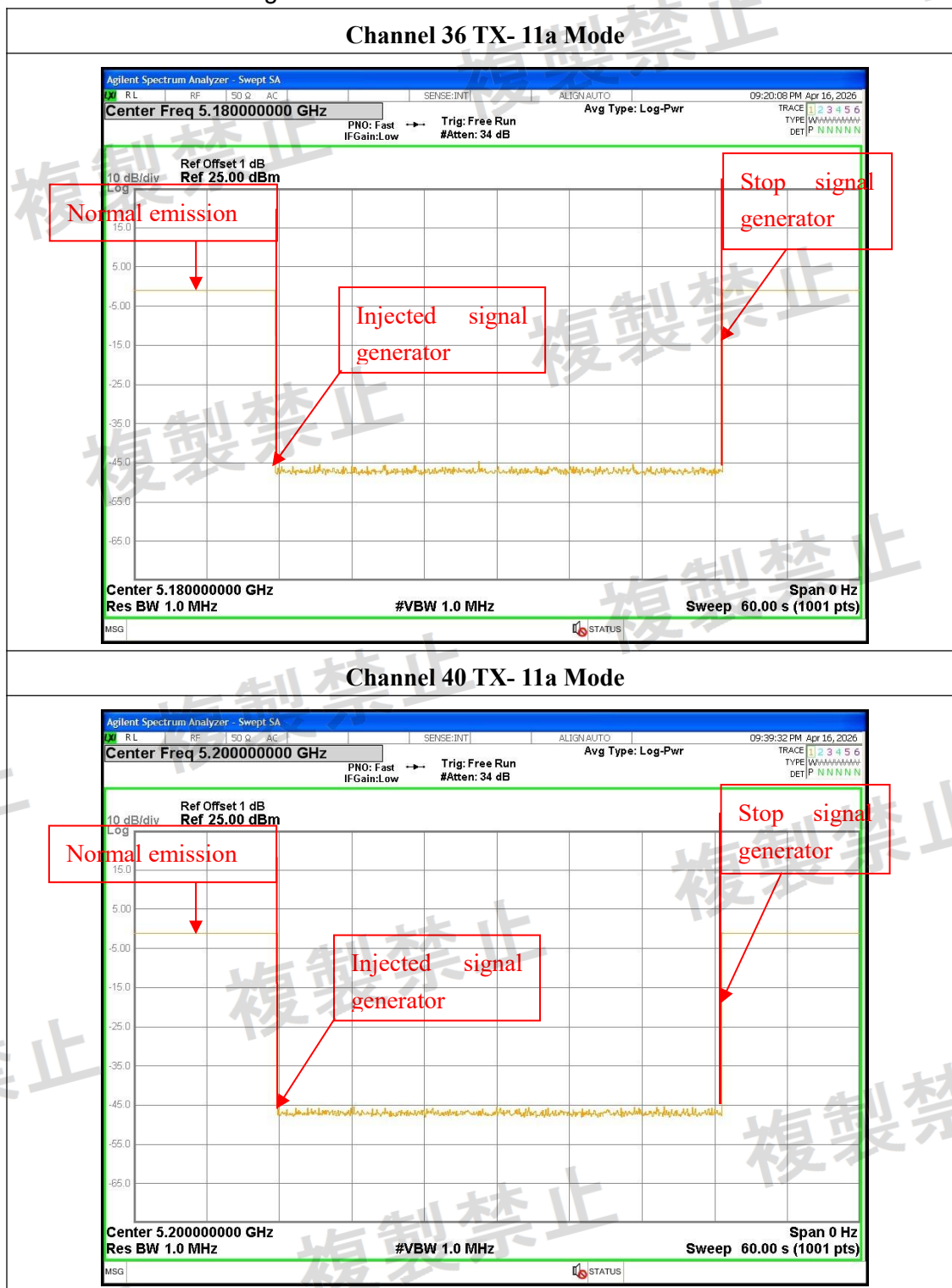
A.10. Radio Interference Prevention Capability

The identification code of the EUT is: A4-5E-60-E3-4C-93

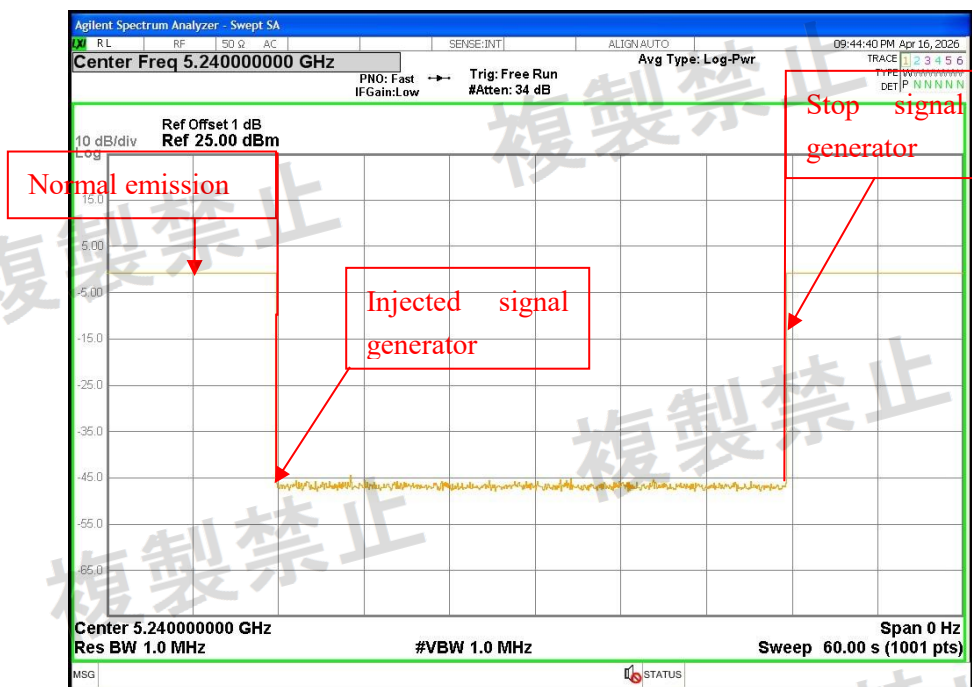
WIFI MAC address: A4-5E-60-E3-4C-93

A.11. Carrier Sense Function

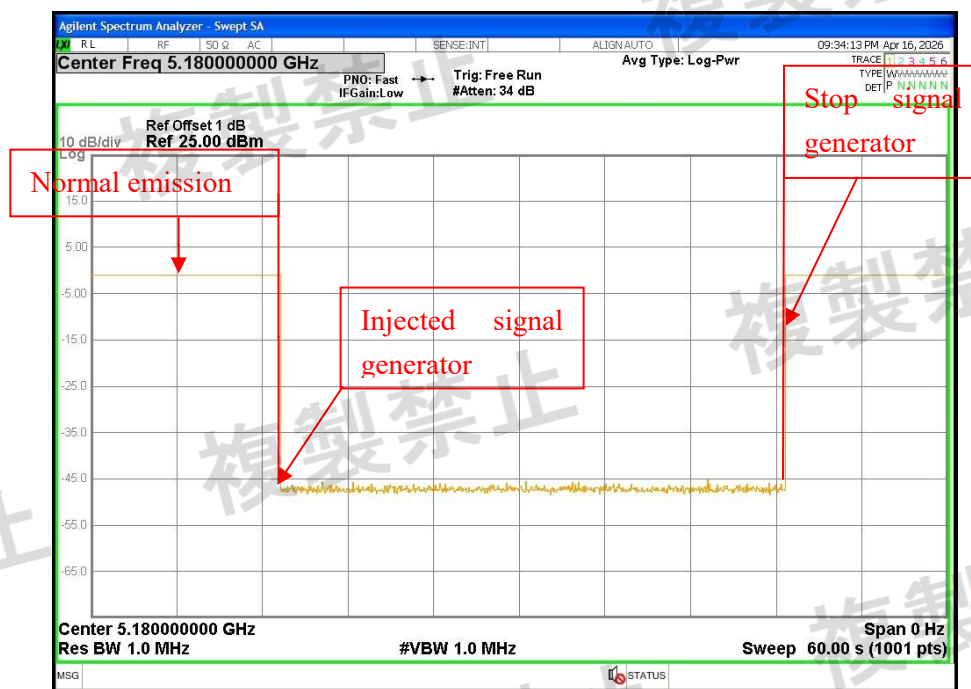
The carrier sense function is good.



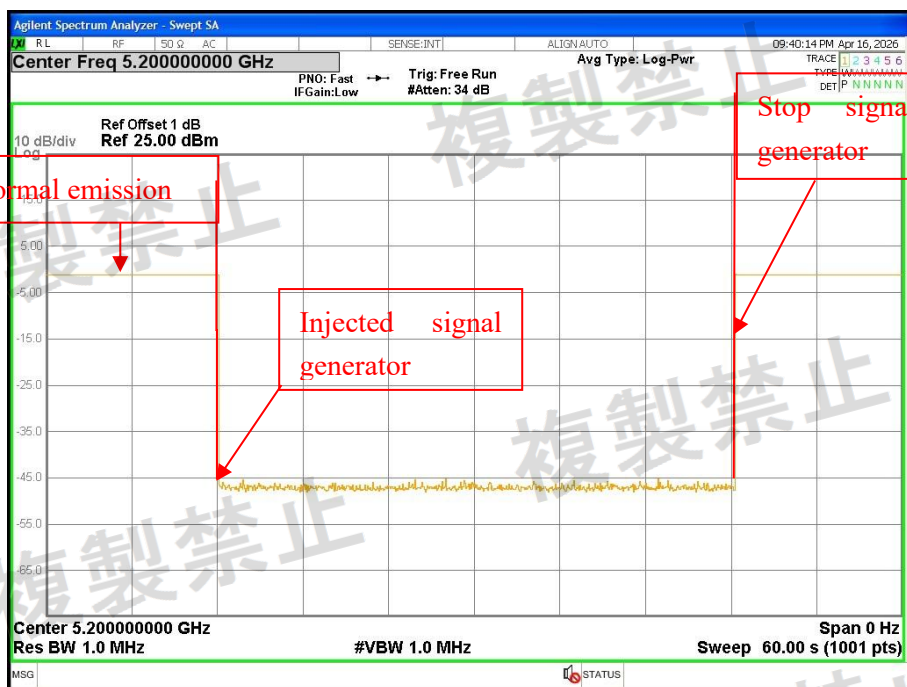
Channel 48 TX- 11a Mode



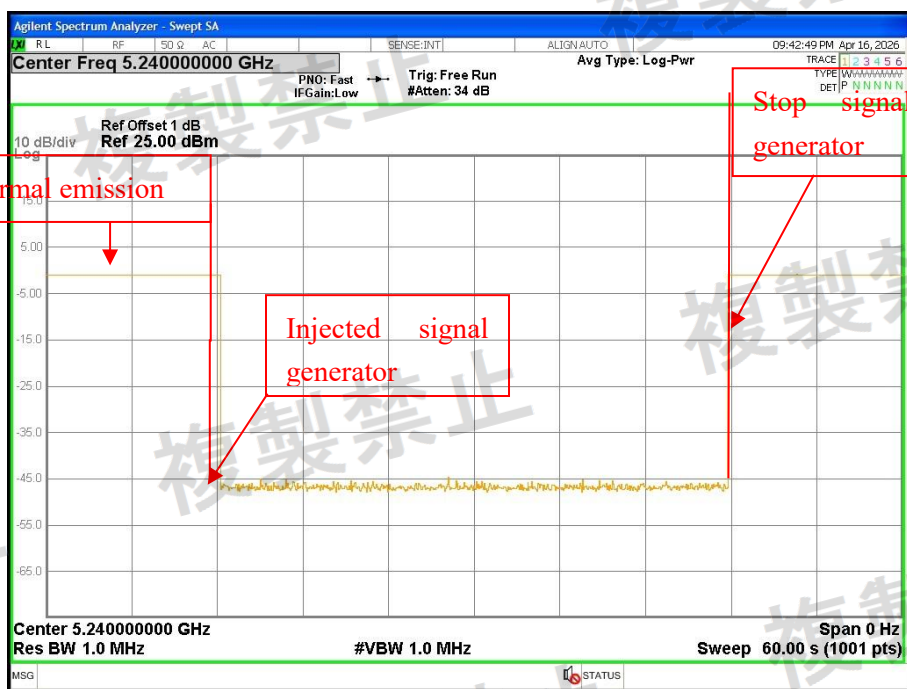
Channel 36TX- 11n(HT20) Mode



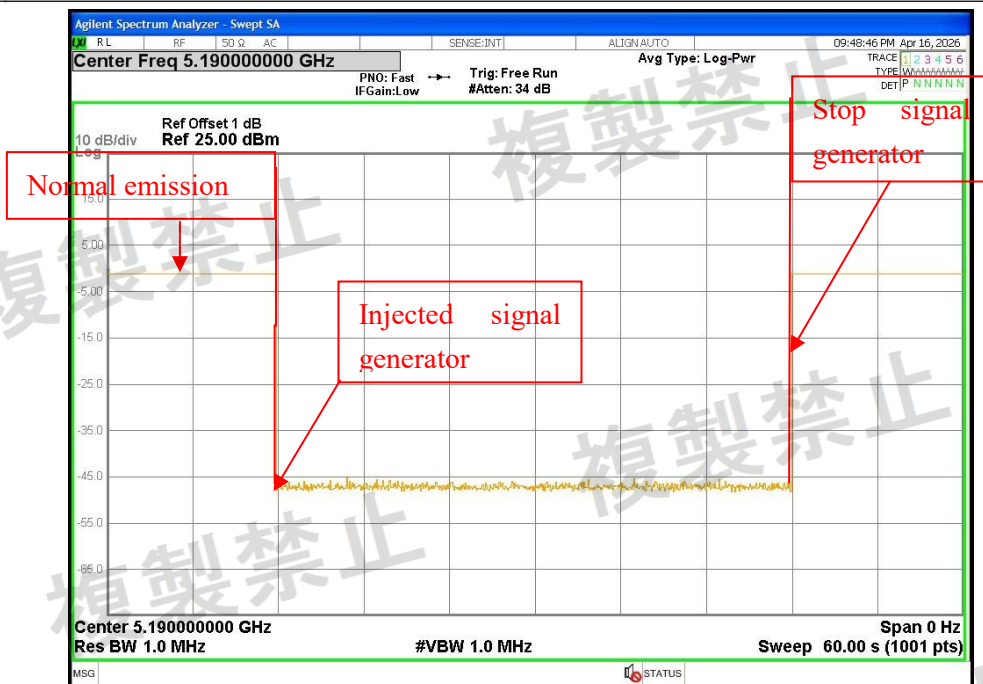
Channel 40TX- 11n(HT20) Mode



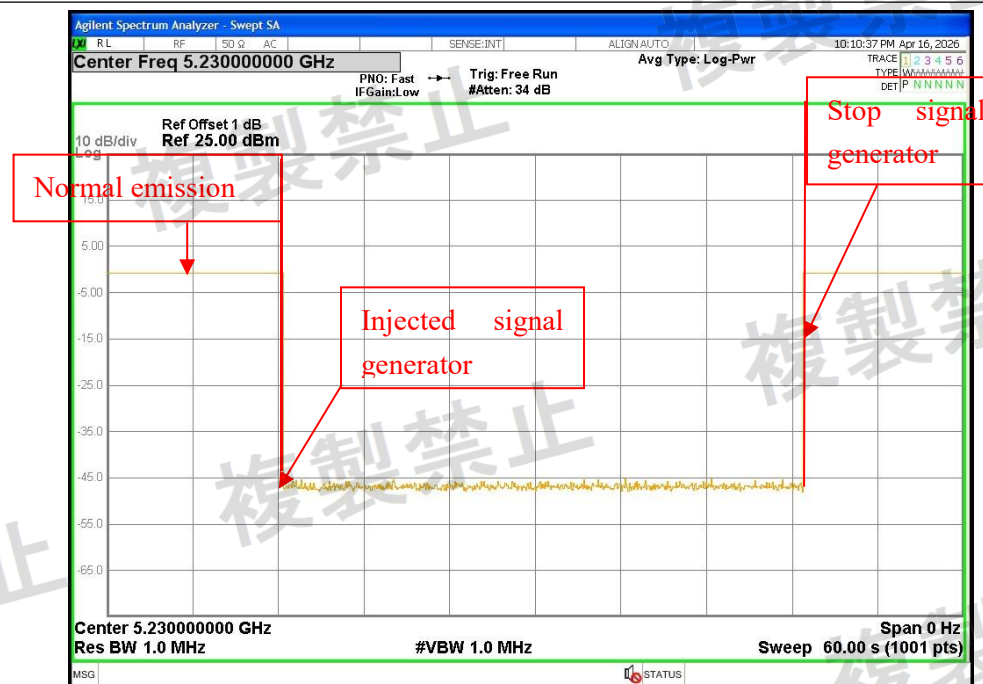
Channel 48TX- 11n(HT20) Mode



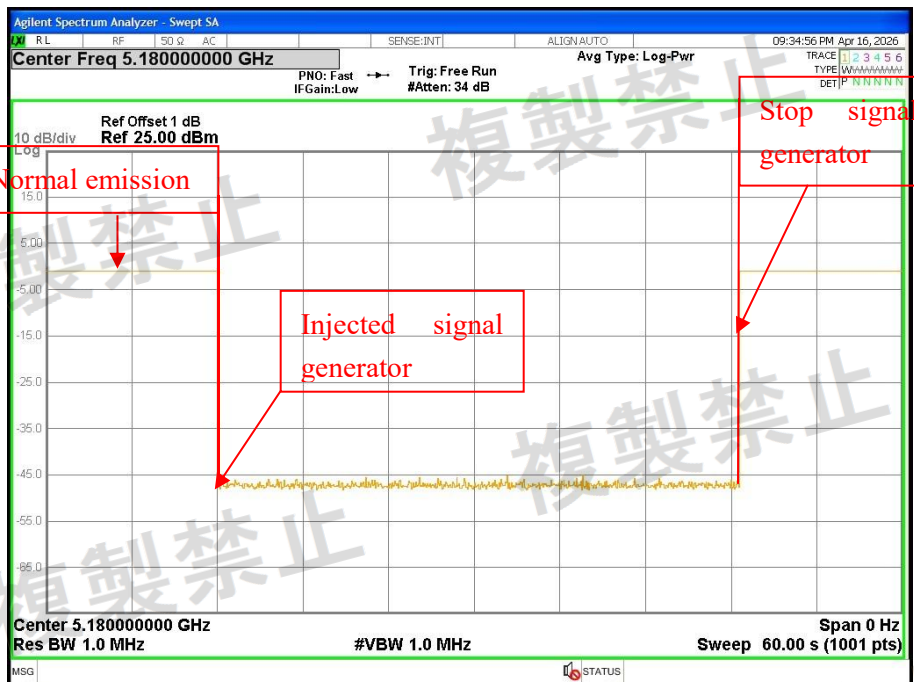
Channel 38TX- 11n(HT40) Mode



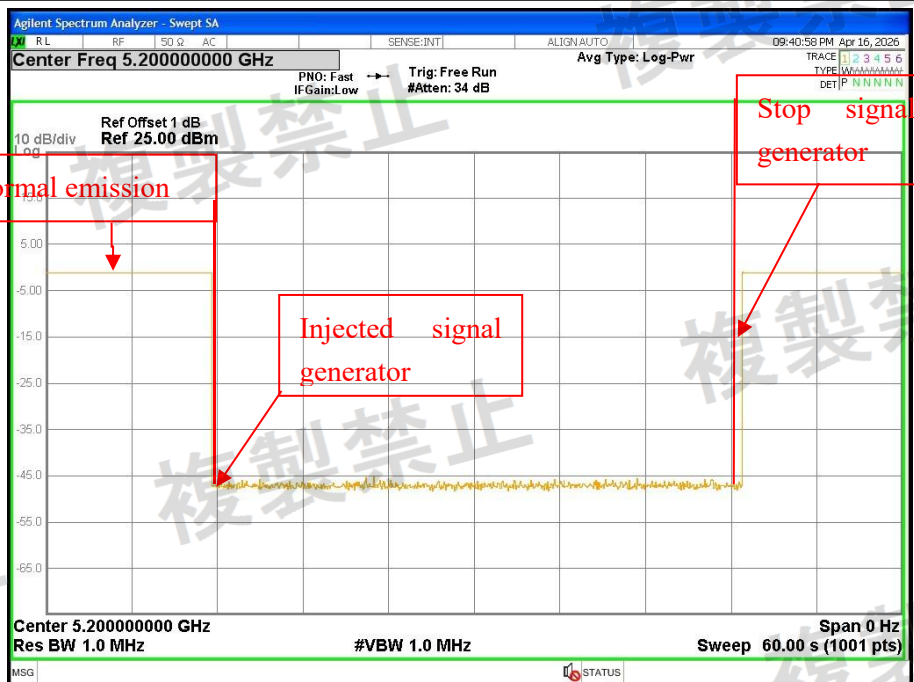
Channel 46TX- 11n(HT40) Mode



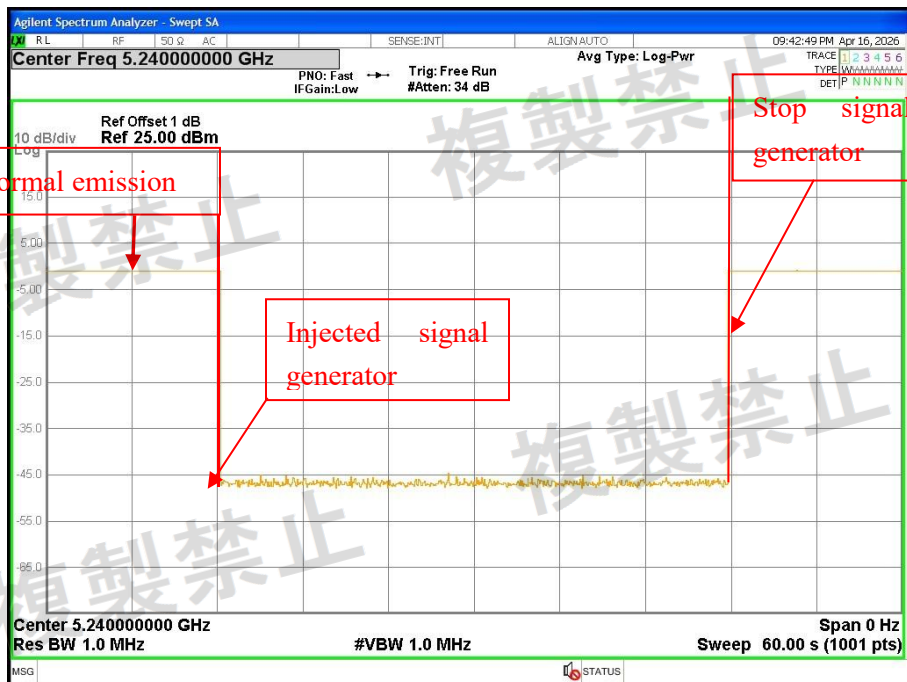
Channel 36TX- 11ac(HT20) Mode



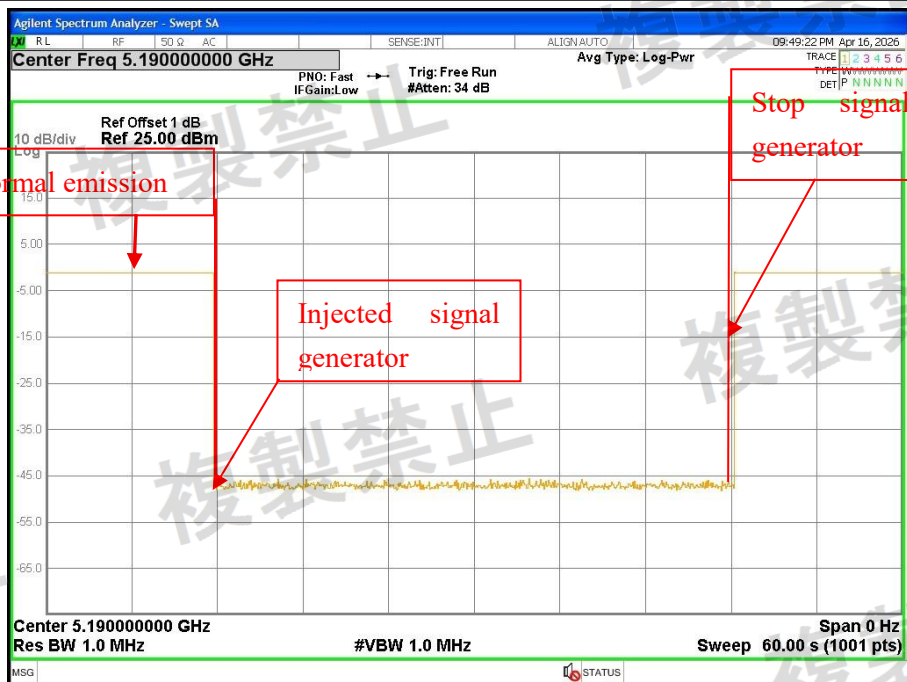
Channel 40TX- 11ac(HT20) Mode



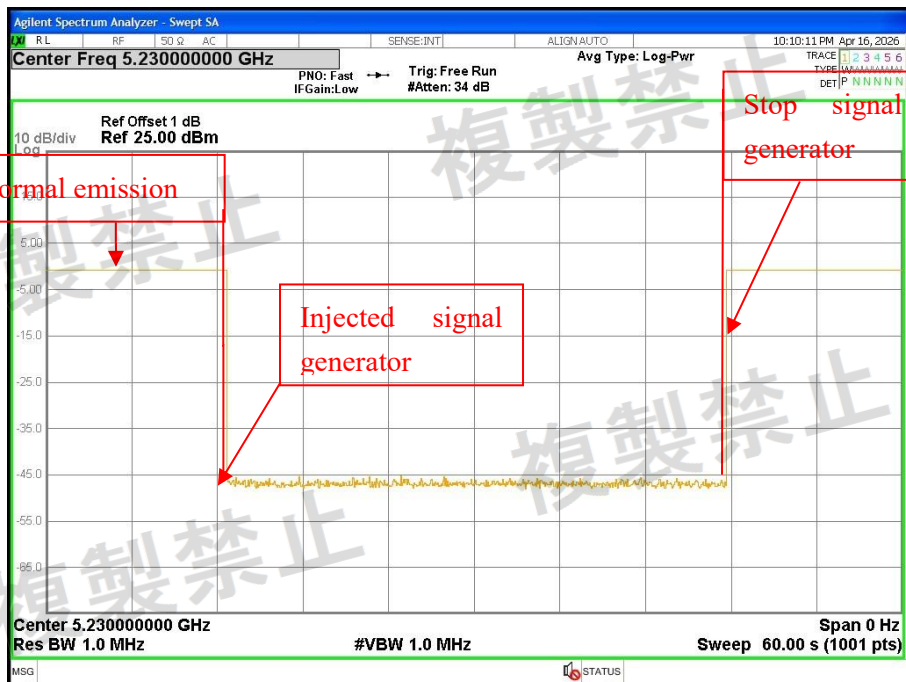
Channel 48TX- 11ac(HT20) Mode



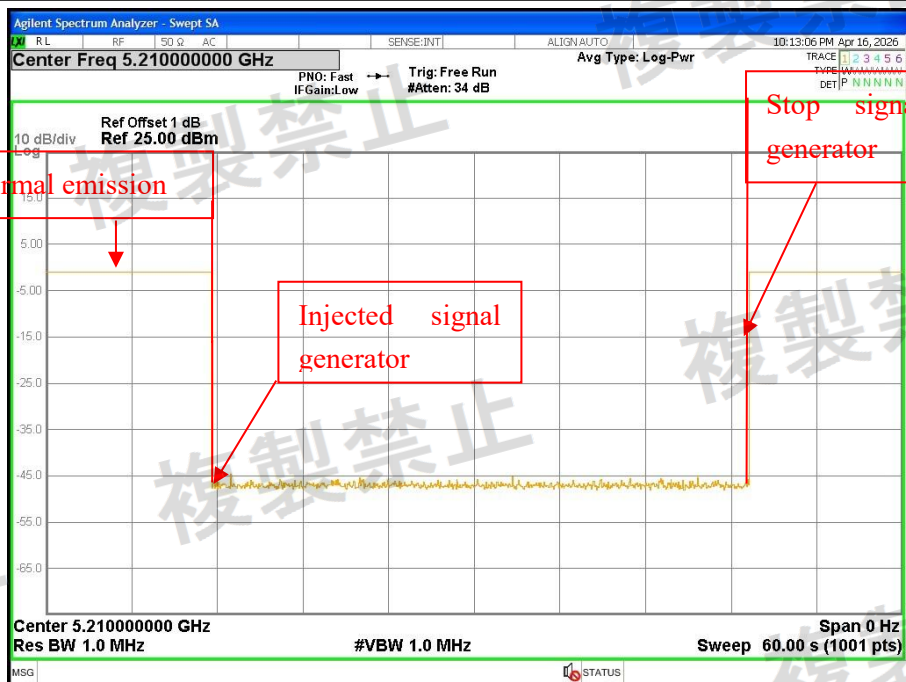
Channel 38TX- 11ac(HT40) Mode



Channel 46TX- 11ac(HT40) Mode



Channel 42TX- 11ac(HT80) Mode



END OF REPORT