Bureau Veritas CPS Korea Tech Limited
(Annyeong-dong) 26, 28, 30, Seja-ro 406beon-gil,
Hwaseong-si, Gyeonggi-do, Republic of Korea

(J-MIC) TEST REPORT

Report No. : BVT-RH-JPR-260004(1)

Applicant

- Name : GOQUAL CO., LTD.
- Address : 1001-1002, 10F, Gasan Business Center, 165, Gasan digital 1-ro, Geumcheon-gu, Seoul, 08503, Republic of Korea

Test Item

- Product Name : Specified Radio Equipment (Smart Home Camera)
- Model Name : GJW-MC505

Manufacturer

- Name : Huizhou DayaBay Precision Stand Electronics Co., LTD
- Address : 3F, No. 1 Building, Xinhuiyuan Science and Technology Co., Ltd., West Area of DayaBau, Huizhou City, Guangdong Province, P.R. China

Date of Test : 2026.04.13. ~ 2026.05.29

Technical Standard Article 2, Paragraph 1, Item 19-3

Test Method Used : Temporarily Recognized by Registered Certification Organizations as Test Methods for Characteristic Tests_Telecom Engineering Center

Test Result : ☒ **Pass** ☐ **Fail**

Note : None

This test report is not related to KOLAS accreditation

Affirmation

Tested by
Name : Kwak,Yun-Kyoung (Signature)

Technical Manager
Name : Jang, Hyeon-Su (Signature)

2026 . 05 . 29 .

Bureau Veritas CPS Korea Tech Limited

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Revision History of test report

Date	Report No.	Revision Histoty
2026.05.29	BVT-RH-JPR-260004	Initial issue
2026.06.04	BVT-RH-JPR-260004(1)	p.5 Add Equipment Description remarks comment p.9 Add calibration agency p.10 Revise MIC Rule p.55~61 Retest RF Output Power Revise the unit and antenna gain p.62~80 Retest Adjacent Channel Leakage p.128~213 Add test results p.216 Add DFS measurement information

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1. Information of Testing Laboratory

Legal Name and address
Bureau Veritas CPS Korea Tech Limited
(Annyeong-dong) 26, 28, 30, Seja-ro 406beon-gil, Hwaseong-si, Gyeonggi-do, 18326, Republic of Korea
Website: http://www.bvcpskoreatech.co.kr

Test location and address
☒ Hwaseong
(Annyeong-dong) 26, 28, 30, Seja-ro 406beon-gil, Hwaseong-si, Gyeonggi-do, 18326, Republic of Korea
Tel: 82-31-222-4251

☐ Suwon
Yeongtong Innoplex 1st Complex No.2 B303, No.2 B304, 306, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Suwon, 16675, Republic of Korea
Tel: +82-31-8002-3051, Fax: +82-31-8002-3061

☐ Anyang
Heungan-daero 49, Dongan-gu, Anyang-si, Gyeonggi-do, 14119, Republic of Korea
Tel: +82-31-689-4110, Fax: +82-31-689-4120

Registration information
- KOLAS No.: KT232
- RRA No.: KR0041
- A2LA No.: 4068.02, 4068.03
- FCC Designation No.: KR0041
- ISED CAB ID.: KR0041
- VCCI Membership No.: 2005

2. EQUIPMENT DESCRIPTION

The product specification described herein was declared by manufacturer. And refer to user's manual for the details.

Equipment Name	Specified Radio Equipment (Smart Home Camera)
Model No	GJW-MC505
Usage	IP Home Camera
Serial Number	Proto type
Modulation type	OFDM
Emission Type	-
Maximum output power	W52: 1.66 mW/MHz; W53: 2.55 mW/MHz; W56: 2.45 mW/MHz
Operated Frequency	W52: 5 180 MHz ~ 5 240 MHz; W53: 5 260 MHz ~ 5 320 MHz; W56: 5 500 MHz ~ 5 720 MHz
Channel Number	W52: 4 (for 802.11a, n(HT20), ac(VHT20), ax(HE20)); 2 (for 802.11n(HT40), ac(VHT40), ax(HE40)) W53: 4 (for 802.11a, n(HT20), ac(VHT20), ax(HE20)); 2 (for 802.11n(HT40), ac(VHT40), ax(HE40)) W56: 12 (for 802.11a, n(HT20), ac(VHT20), ax(HE20)); 6 (for 802.11n(HT40), ac(VHT40), ax(HE40))
Operation temperature	-10˚C to +50˚C
Power Source	DC 5 V
Antenna Description	PCB Antenna
Remark	1. The device was operating at its default output power for all measurements. 2. The above DUT's information was declared by manufacturer. Please refer to the specifications or user manual for more detailed description. 3. The EUT has a constant voltage circuit and input voltage variation at the radio unit is less than 1%. 4. TPC Function is not supported. 5. The EUT operates as a DFS slave(client) device without radar detection capability.

3. SYSTEM CONFIGURATION FOR TEST

3.1 Characteristics of equipment

The Equipment Under Test (EUT) contains the following capabilities: This equipment is Specified Radio Equipment (Smart Home Camera). The detailed explanation is refer as user manual.

3.2 Used peripherals list

Description	Model No.	Serial No.	Manufacture	Remark
Notebook	Vostro 3500	RN3K6 A01	DELL	-
Adapter	NSW26862	OKXTTW	DELL	For notebook

3.3 Product Modification

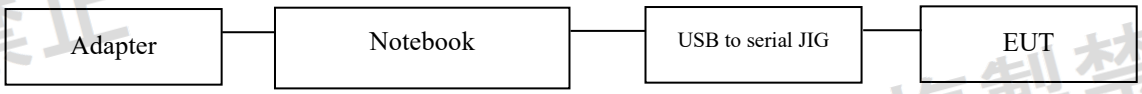
N/A

3.4 Operating Mode

Constantly transmitting with a modulated carrier at default power on the low, middle and high channels

3.5 Test Setup of EUT

The measurements were taken in continuous transmit mode using the test mode which controlled by demo_test_mode_tx.bat. The test command and the test Jig and cables were provided by the applicant.



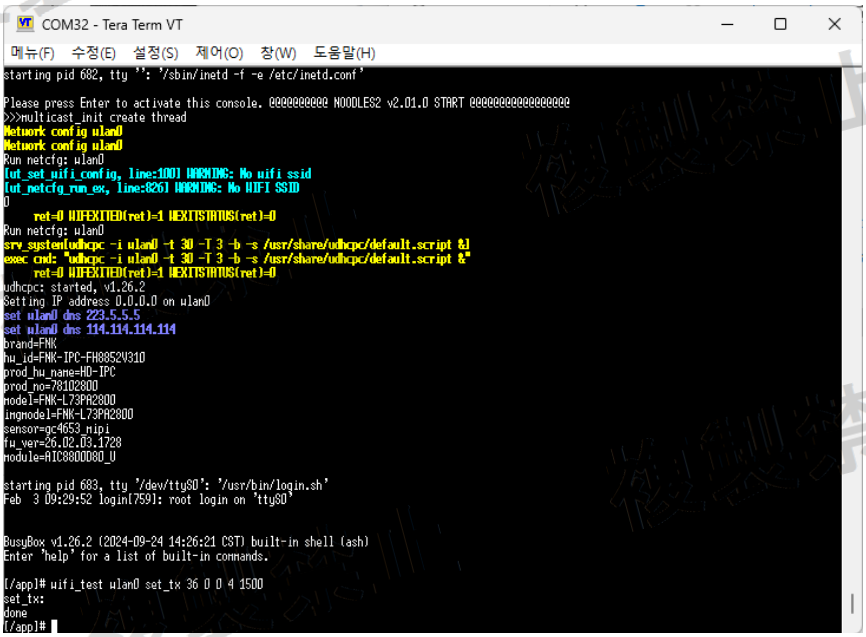
3.6 Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel.

▣ TX Power setting value during test

Band	Rate	TX Power setting value		
		Low CH	Middle CH	High CH
5 GHz band	-	Default	Default	Default

▣ Test Program: Teraterm



3.7 Table for Carrier Frequencies

▣802.11a, n(HT20), ac(VHT20), ax(HE20)

Frequency Band		Channel No	Frequency (㎒)
5 GHz band	W52	36	5 180
		40	5 200
		44	5 220
		48	5 240
	W53	52	5 260
		56	5 280
		60	5 300
		64	5 320
	W56	100	5 500
		104	5 520
		108	5 540
		112	5 560
		116	5 580
		120	5 600
		124	5 620
		128	5 640
		132	5 660
		136	5 680
		140	5 700
		144	5 720

▣802.11n(HT40), ac(VHT40), ax(HE40)

Frequency Band		Channel No	Frequency (㎒)
5 GHz band	W52	38	5 190
		46	5 230
	W53	54	5 270
		62	5 310
	W56	102	5 510
		110	5 550
		118	5 590
		126	5 630
		134	5 670
		142	5 710

3.8 Used Test Equipment List

Equipment Name	Manufacturer	Model No.	Serial No.	Calibration Agency	Cal. Metohd	Cal. Date	Next Cal. Date
Signal Analyzer	Rohde & Schwarz	FSV40	101727	**SICT	(c)	2025.08.11	2026.08.11
Signal Generator	Rohde & Schwarz	SMB100A	179628	***HCT	(c)	2025.12.22	2026.12.22
DC Power supply	Agilent Technology	6632B	MY43004005	HCT	(c)	2025.12.24	2026.12.24
Attenuator	WEINSCHEL	54A-10	74564	SICT	(c)	2025.08.11	2026.08.11
Attenuator	WEINSCHEL	56-10	66920	HCT	(c)	2025.12.22	2026.12.22
Power divider	SQ361	WEINSCHEL	1580	HCT	(c)	2025.12.24	2026.12.24
EPM Series Power meter	Agilent Technology	E4418B	GB39512547	****KTICC	(c)	2025.12.23	2026.12.23
RF Power Sensor	Agilent Technology	E9300A	MY41496631	KTICC	(c)	2025.12.23	2026.12.23

*Cal Method

(a) Calibration conducted by the National Institute of Information and Communications Technology -NICT -or a designated calibration agency under Article 102-8 paragraph (1)

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) -Japan Calibration Service System

(c) 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)

(d) Calibration conducted by using other equipment that listed above from a) to c)

**SICT: A Trescal Company, Institue of Calibration & Technology Cp.,Ltd

***HCT: HCT Co., Ltd.

****KTICC: Korea Testing Instruments Calibration Center

4. SUMMARY TEST RESULTS

Description of Test	MIC Rule	Used	Test Result
Frequency Tolerance	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Occupied Bandwidth & Spread Bandwidth	Article 2, Paragraph 1, Item 19-3	☒	Compliance
RF Output Power	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Adjacent Channel Leakage Power	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Unwanted (Spurious)Emission Strength	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Secondarilly Emitted Radio Wave Strength (RX Spurious Emission)	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Burst Length of Transmitted Signals	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Carrier Sense Function	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Interference Prevention Function	Article 2, Paragraph 1, Item 19-3	☒	Compliance
DFS (Dynamic Frequency Selection)	Article 2, Paragraph 1, Item 19-3	☒	Compliance
Construction Protection Conformation	Article 2, Paragraph 1, Item 19-3	☒	Compliance

Compliance/pass : The EUT complies with the essential requirements in the standard.
Not Compliance : The EUT does not comply with the essential requirements in the standard.
N/A : The test was not applicable in the standard.

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5. MEASUREMENT RESULTS

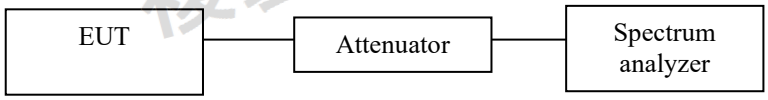
5.1 Frequency tolerance

5.1.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

Center frequency: Operating frequency
Resolution BW: 1 kHz
Video BW: 30 kHz
Sweep time: Auto
Sweep mode: Continuous sweep
Detector mode: Positive Peak
Trace mode: Max hold

5.1.2 Test setup



5.1.3 Limit

± 20 x 10^{-6} (20 ppm or below)

5.1.4 Test environment conditions

• Ambient temperature : (20 ~ 22) ℃ • Relative Humidity : (46 ~ 49) % R.H.

5.1.5 Measurement Result

■W52

▣ 802.11a

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 180	5 179.987 142	-2.48	20	Compliance
5 200	5 199.987 228	-2.46	20	Compliance
5 240	5 239.987 041	-2.47	20	Compliance

▣ 802.11n(HT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 180	5 179.986 726	-2.56	20	Compliance
5 200	5 199.986 739	-2.55	20	Compliance
5 240	5 239.986 430	-2.59	20	Compliance

▣ 802.11n(HT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 190	5 189.986 475	-2.61	20	Compliance
5 230	5 229.986 425	-2.60	20	Compliance

▣ 802.11ac(VHT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 180	5 179.986 743	-2.56	20	Compliance
5 200	5 199.986 730	-2.55	20	Compliance
5 240	5 239.986 674	-2.54	20	Compliance

▣ 802.11ac(VHT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 190	5 189.986 580	-2.59	20	Compliance
5 230	5 229.986 428	-2.60	20	Compliance

▣ 802.11ax(HE20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 180	5 179.986 514	-2.60	20	Compliance
5 200	5 199.986 545	-2.59	20	Compliance
5 240	5 239.986 396	-2.60	20	Compliance

▣ 802.11ax(HE40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 190	5 189.986 639	-2.57	20	Compliance
5 230	5 229.986 395	-2.60	20	Compliance

■W53

▣ 802.11a

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 260	5 259.986 743	-2.52	20	Compliance
5 280	5 279.986 780	-2.50	20	Compliance
5 320	5 319.986 362	-2.56	20	Compliance

▣ 802.11n(HT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 260	5 259.986 671	-2.53	20	Compliance
5 280	5 279.986 659	-2.53	20	Compliance
5 320	5 319.986 358	-2.56	20	Compliance

▣ 802.11n(HT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 270	5 269.986 284	-2.60	20	Compliance
5 310	5 309.986 382	-2.56	20	Compliance

▣ 802.11ac(VHT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 260	5 259.986 572	-2.55	20	Compliance
5 280	5 279.986 590	-2.54	20	Compliance
5 320	5 319.986 419	-2.55	20	Compliance

▣ 802.11ac(VHT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 270	5 269.986 422	-2.58	20	Compliance
5 310	5 309.986 487	-2.54	20	Compliance

▣ 802.11ax(HE20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 260	5 259.986 710	-2.53	20	Compliance
5 280	5 279.986 701	-2.52	20	Compliance
5 320	5 319.986 669	-2.51	20	Compliance

▣ 802.11ax(HE40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 270	5 269.986 575	-2.55	20	Compliance
5 310	5 309.986 431	-2.56	20	Compliance

■W56

▣ 802.11a

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 500	5 499.986 106	-2.53	20	Compliance
5 600	5 599.985 881	-2.52	20	Compliance
5 720	5 719.985 408	-2.55	20	Compliance

▣ 802.11n(HT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 500	5 499.986 115	-2.52	20	Compliance
5 600	5 599.985 985	-2.50	20	Compliance
5 720	5 719.985 678	-2.50	20	Compliance

▣ 802.11n(HT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 510	5 509.985 812	-2.57	20	Compliance
5 590	5 589.985 400	-2.61	20	Compliance
5 710	5 709.985 215	-2.59	20	Compliance

▣ 802.11ac(VHT20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 500	5 499.985 956	-2.55	20	Compliance
5 600	5 599.985 781	-2.54	20	Compliance
5 720	5 719.985 526	-2.53	20	Compliance

▣ 802.11ac(VHT40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 510	5 509.985 798	-2.58	20	Compliance
5 590	5 589.985 528	-2.59	20	Compliance
5 710	5 709.985 257	-2.58	20	Compliance

▣ 802.11ax(HE20)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 500	5 499.985 945	-2.56	20	Compliance
5 600	5 599.985 801	-2.54	20	Compliance
5 720	5 719.985 454	-2.54	20	Compliance

▣ 802.11ax(HE40)

Frequency	Conducted power		Limit	Test results
[MHz]	[MHz]	[ppm]*	[ppm]	
5 510	5 509.985 758	-2.58	20	Compliance
5 590	5 589.985 531	-2.59	20	Compliance
5 710	5 709.985 322	-2.57	20	Compliance

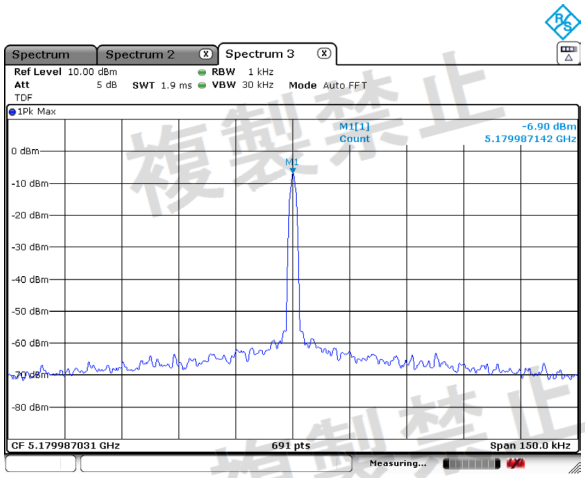
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5.1.6 Test Plot

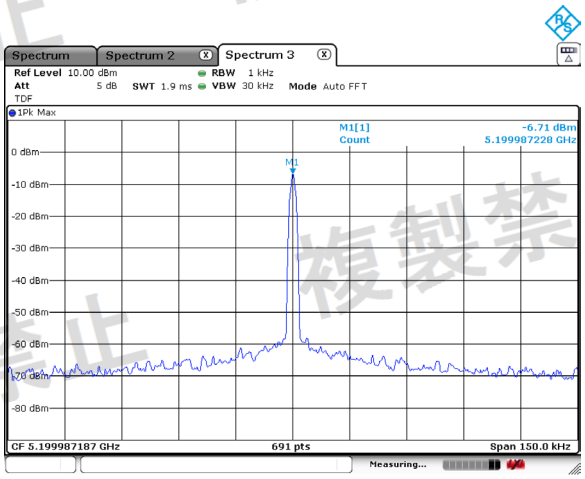
■W52

▣802.11a

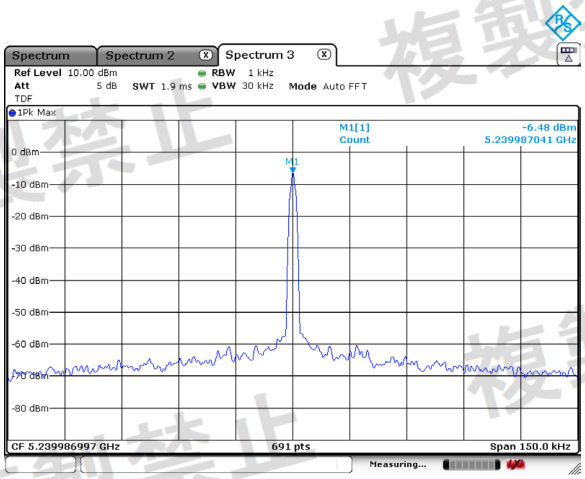
CH Low



CH Middle

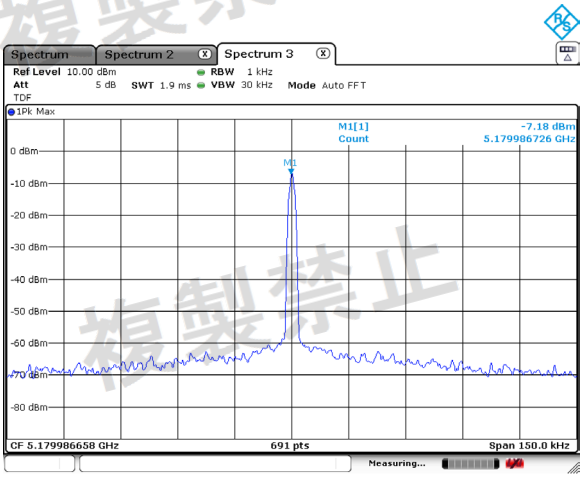


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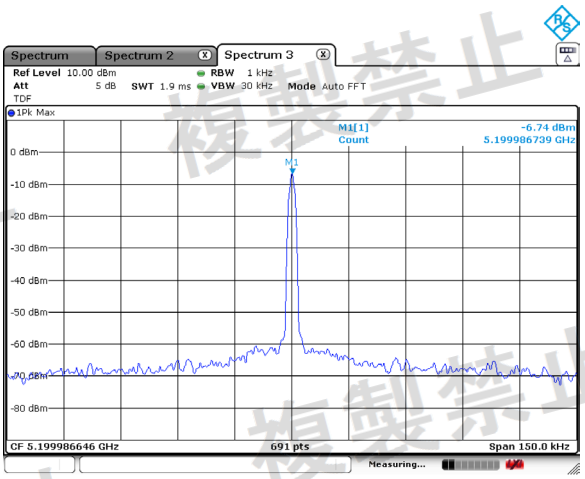


▣802.11n(HT20)

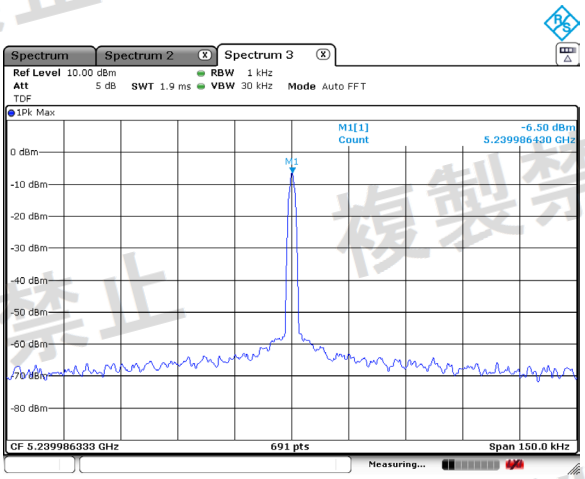
CH Low



CH Middle

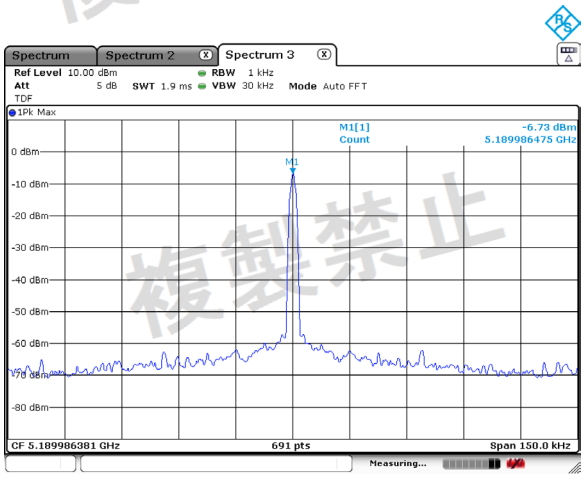


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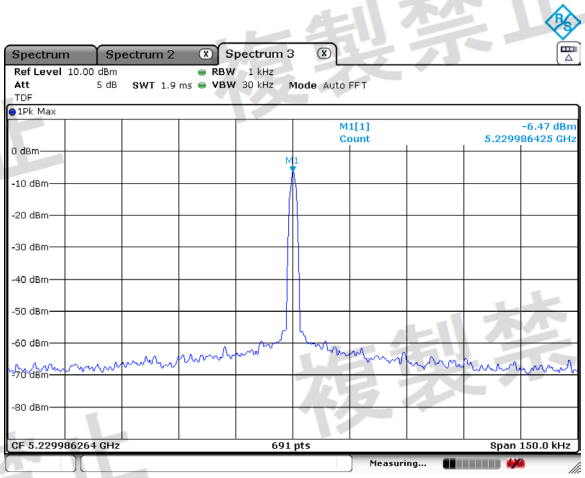


▣802.11n(HT40)

CH Low

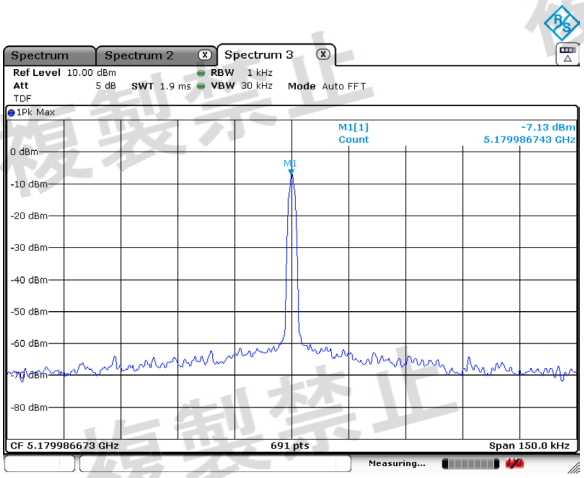


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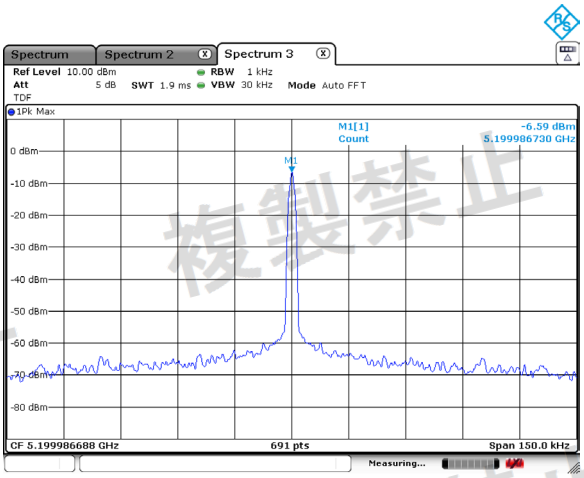


▣802.11ac(VHT20)

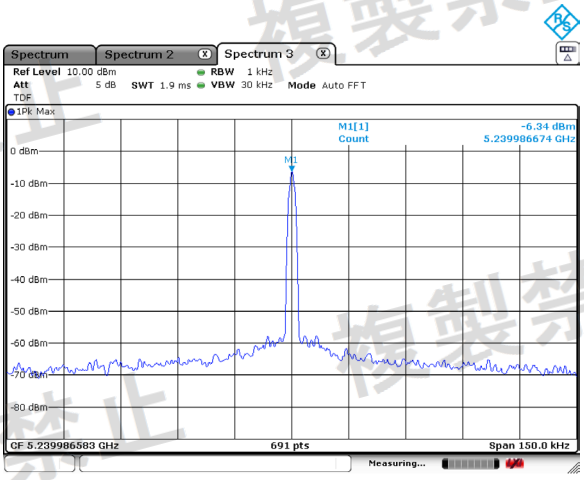
CH Low



CH Middle

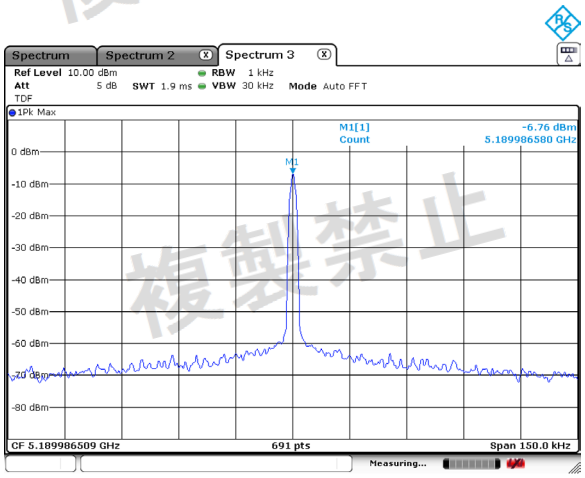


CH High

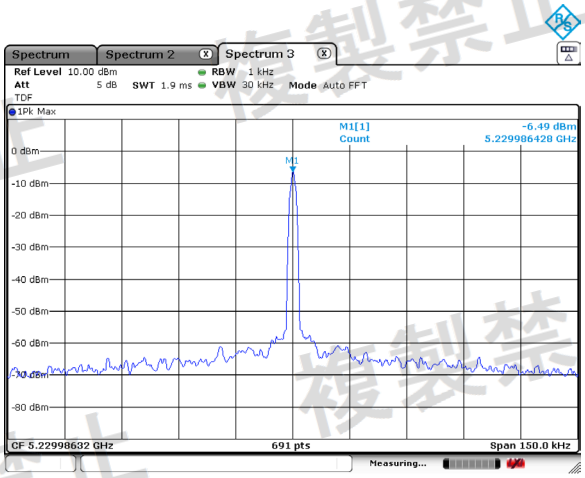


▣802.11ac(VHT20)

CH Low

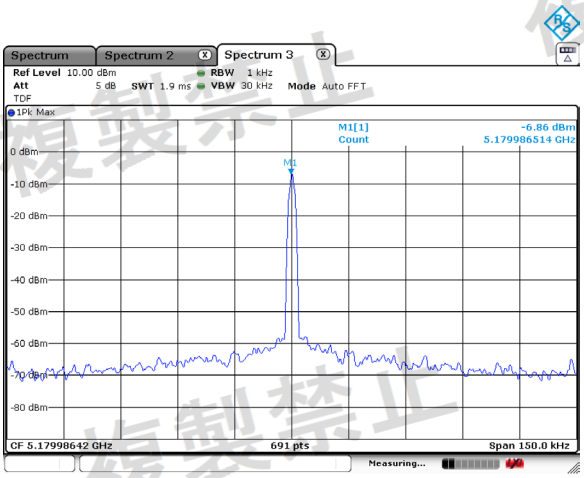


CH High

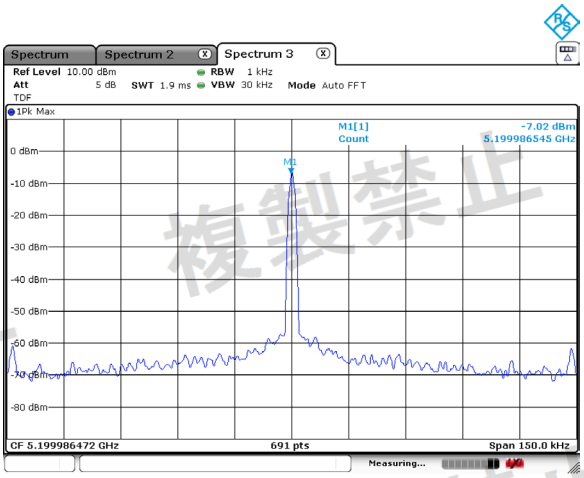


▣802.11ax(HE20)

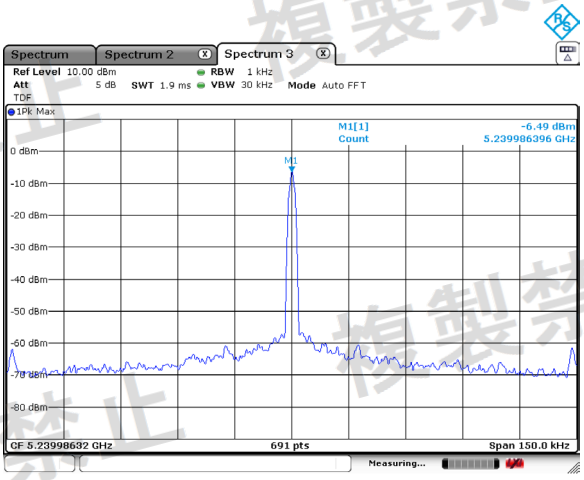
CH Low



CH Middle

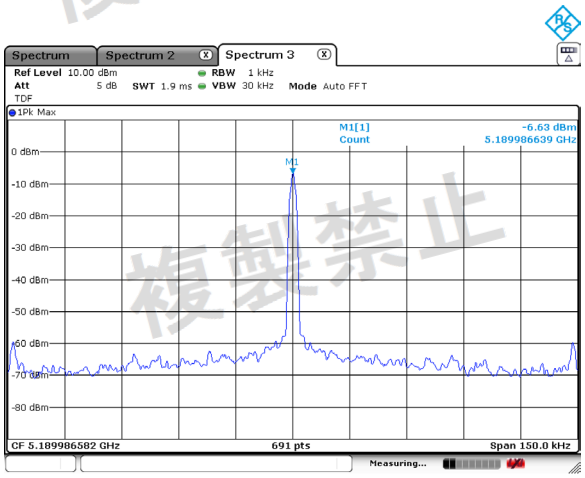


CH High

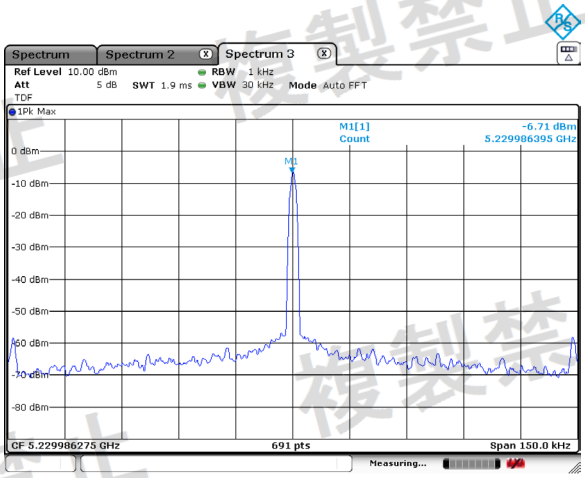


▣802.11ax(HE40)

CH Low



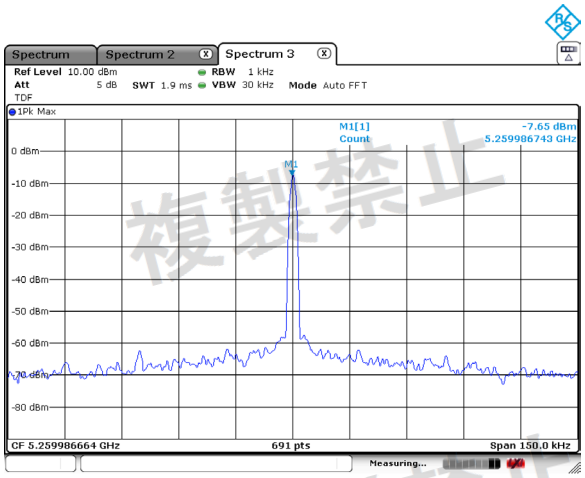
CH High



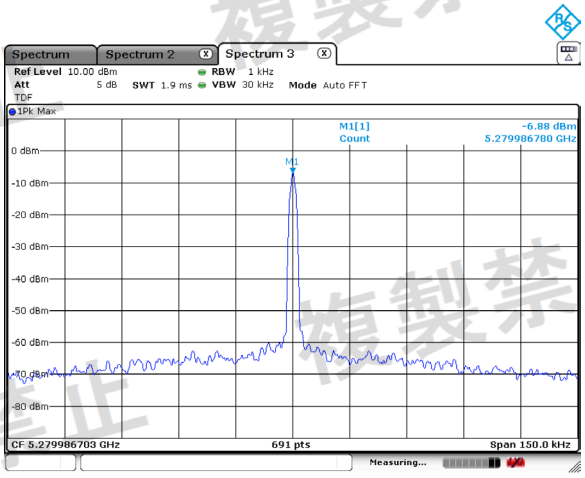
■W53

▣802.11a

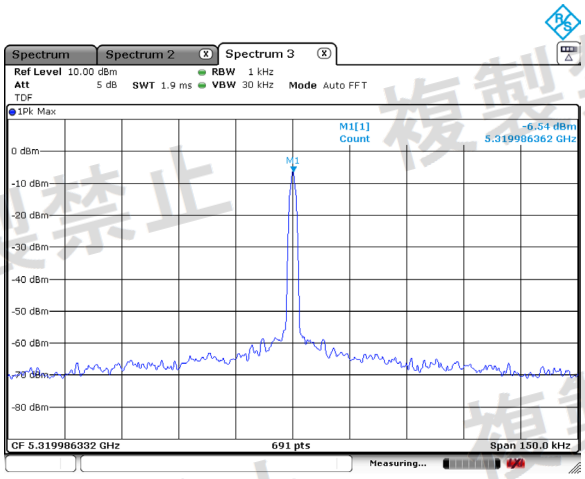
CH Low



CH Middle

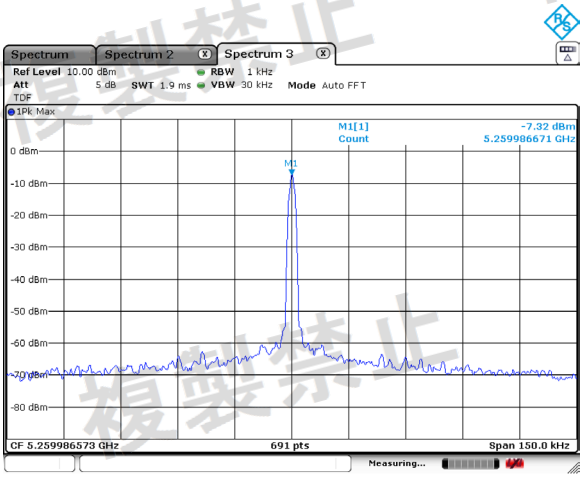


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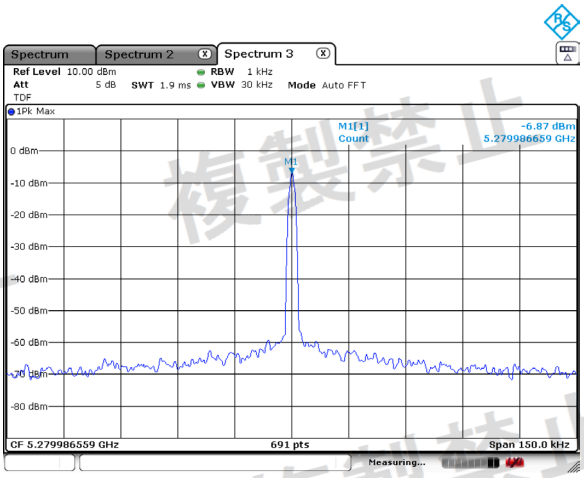


▣802.11n(HT20)

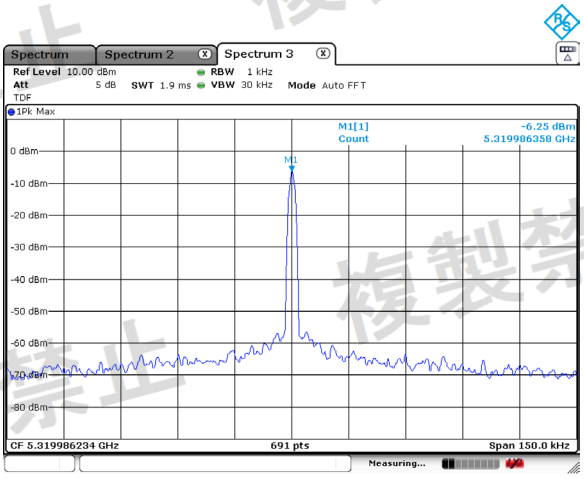
CH Low



CH Middle

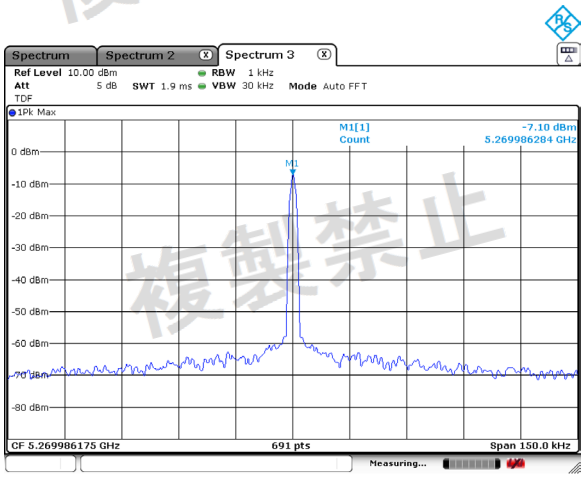


CH High

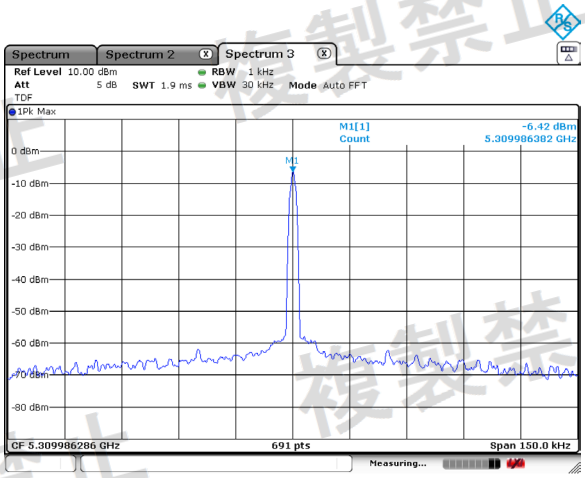


▣802.11n(HT40)

CH Low

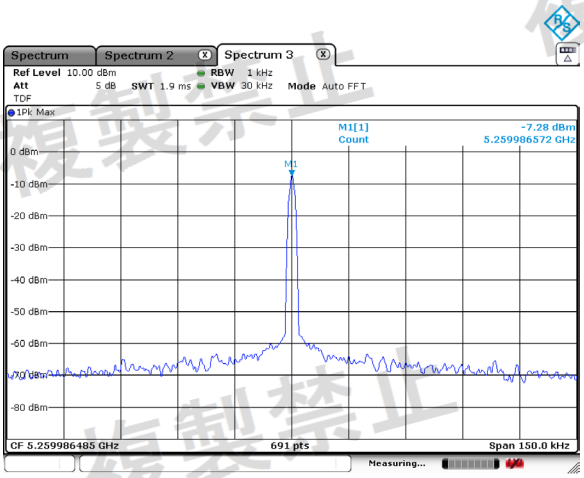


CH High

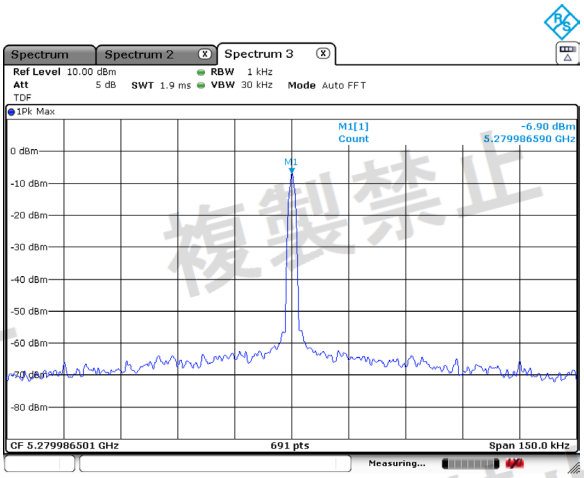


▣802.11ac(VHT20)

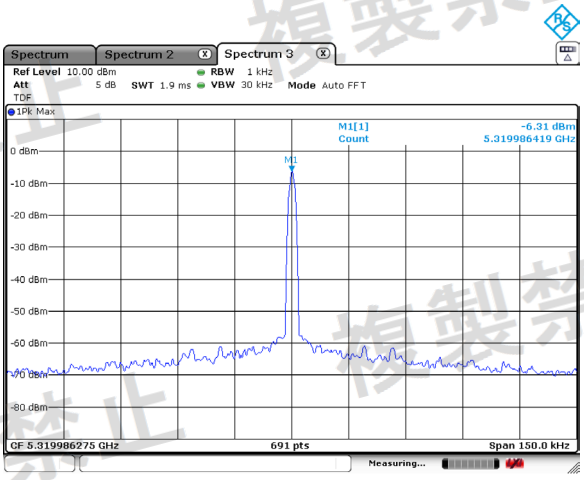
CH Low



CH Middle

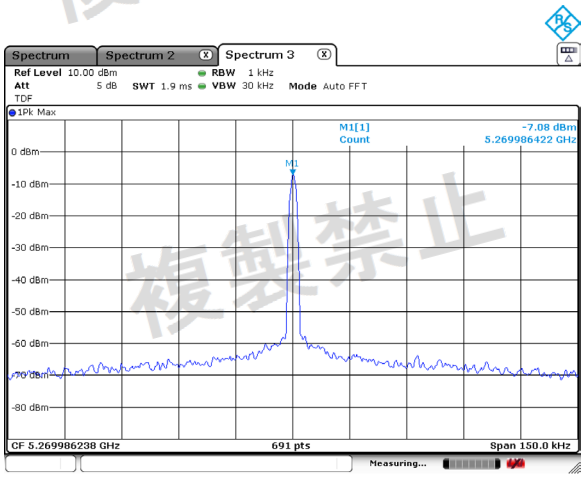


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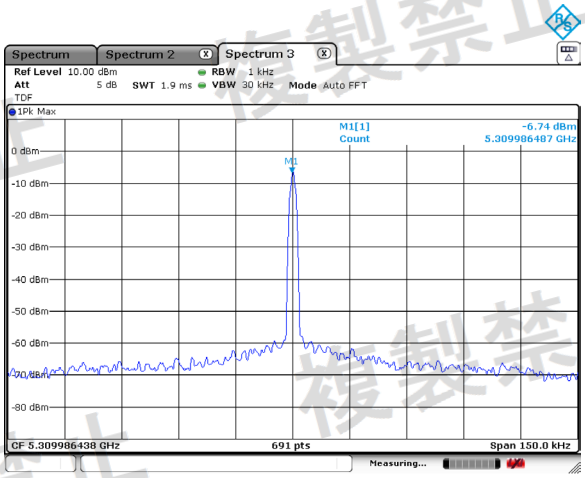


▣802.11ac(VHT40)

CH Low

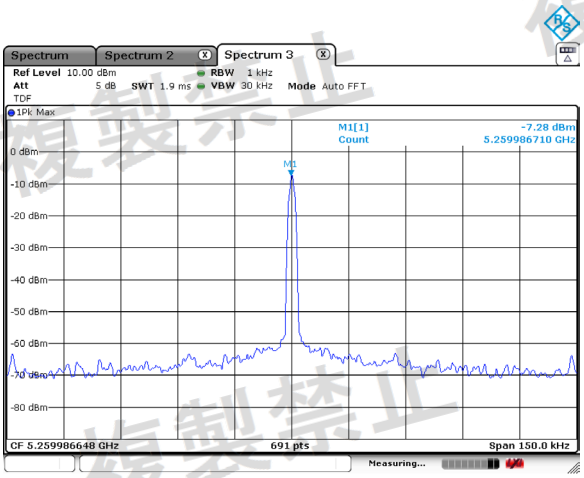


CH High

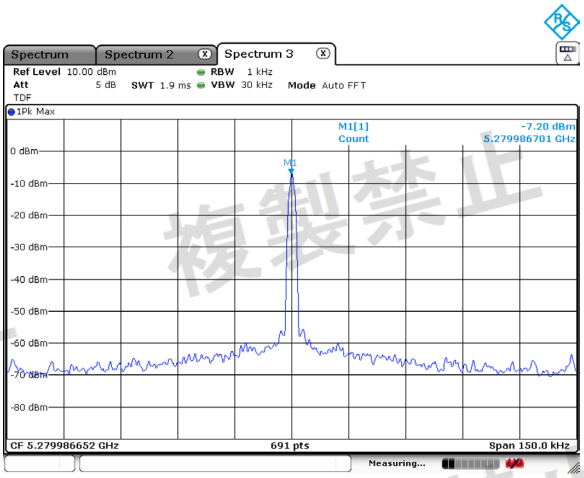


▣802.11ax(HE20)

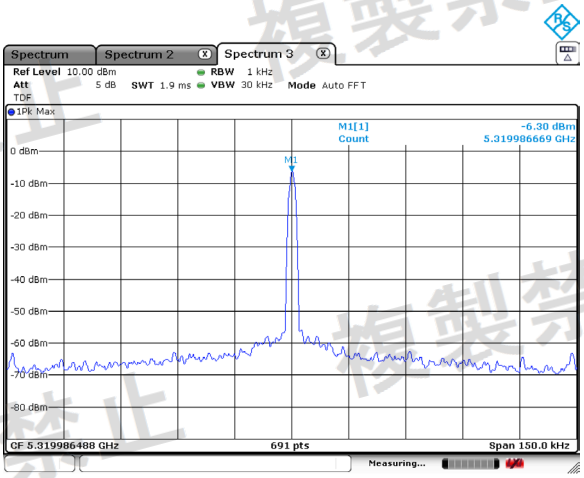
CH Low



CH Middle

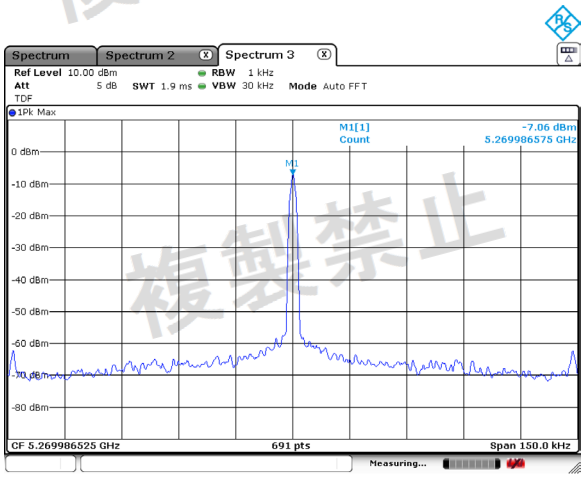


CH High

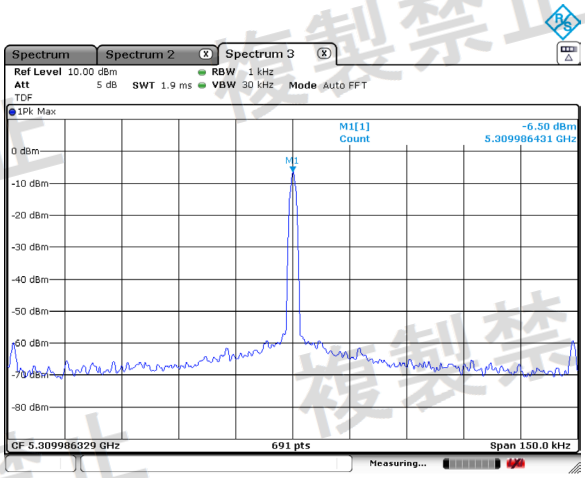


▣802.11ax(HE40)

CH Low



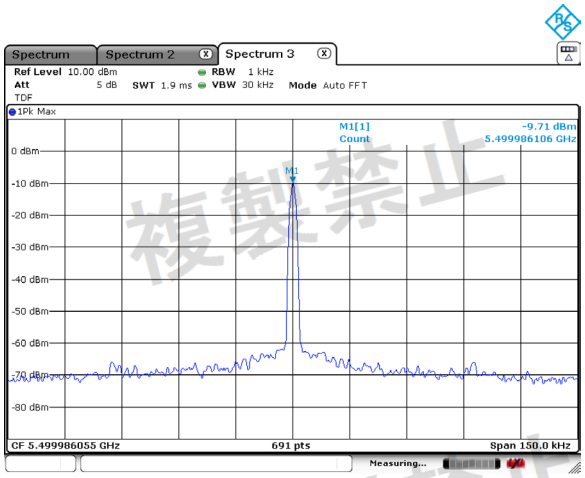
CH High



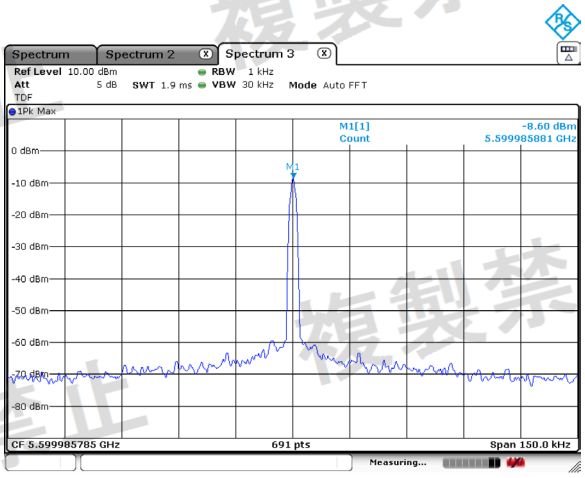
■W56

▣802.11a

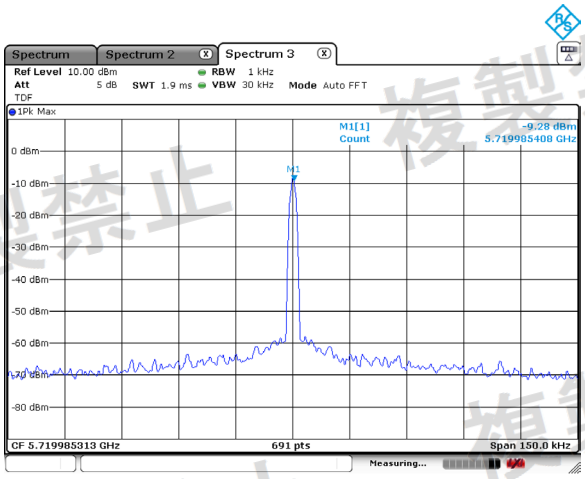
CH Low



CH Middle

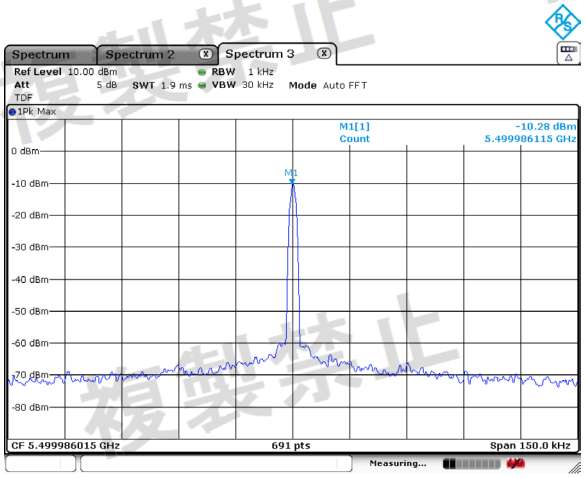


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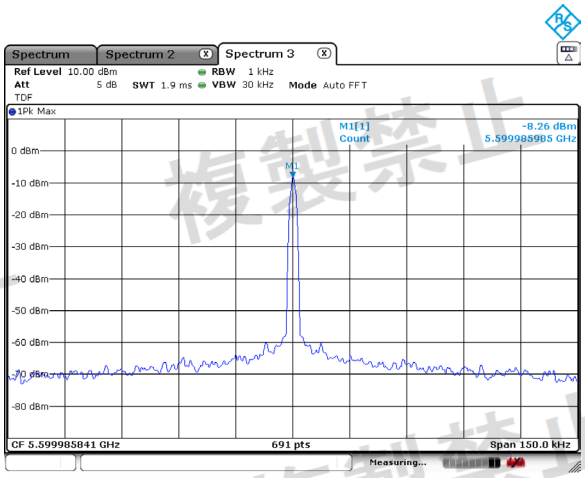


▣802.11n(HT20)

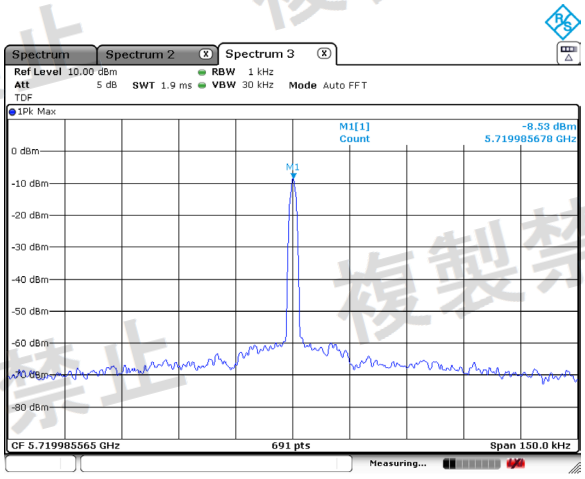
CH Low



CH Middle

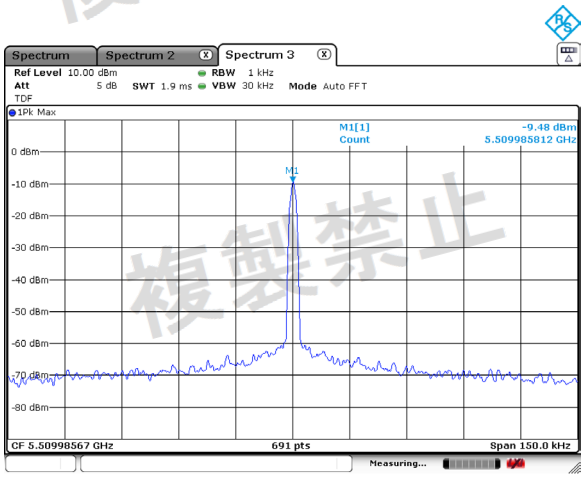


CH High

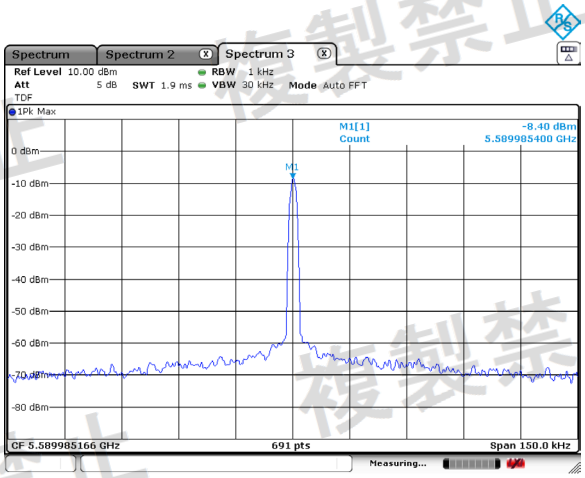


■802.11n(HT40)

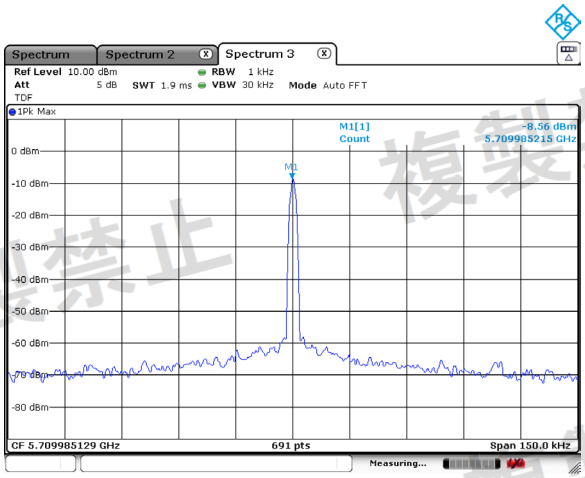
CH Low



CH Middle

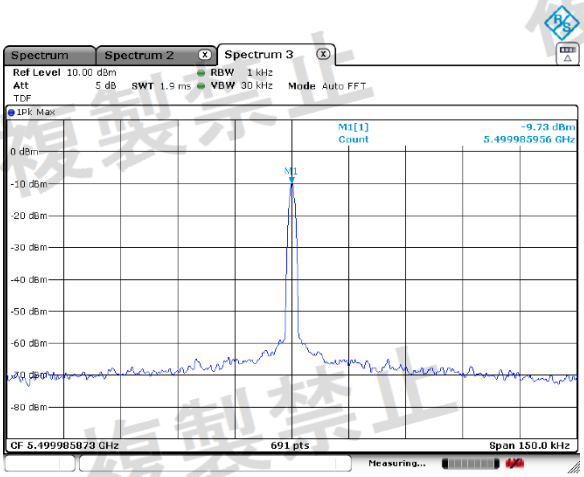


CH High

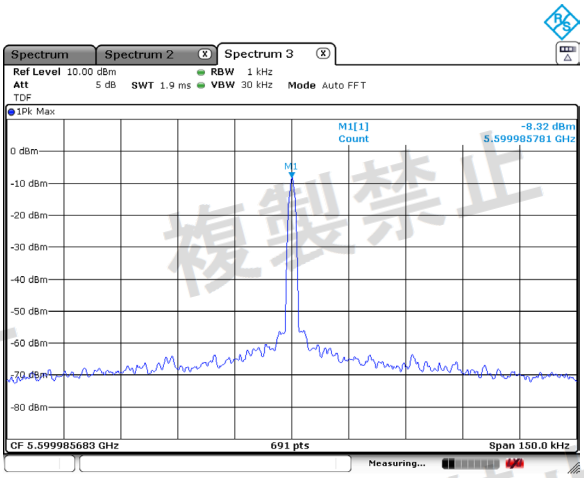


■802.11ac(VHT20)

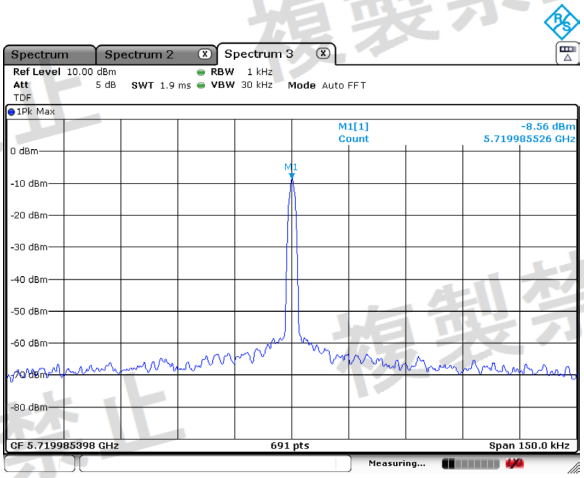
CH Low



CH Middle

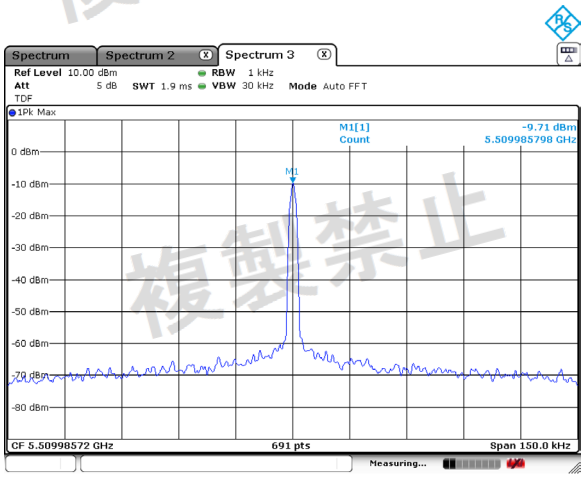


CH High

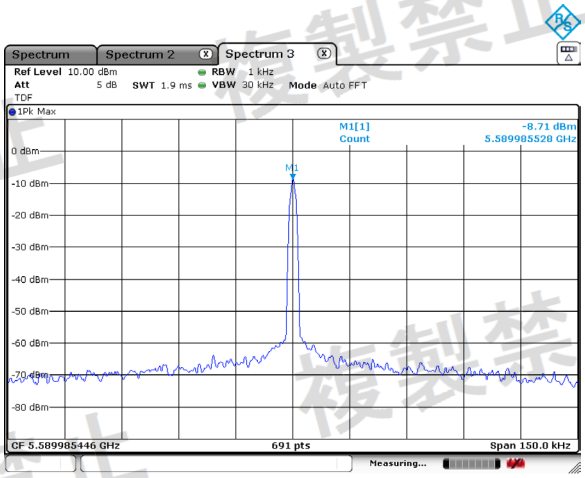


▣802.11ac(VHT20)

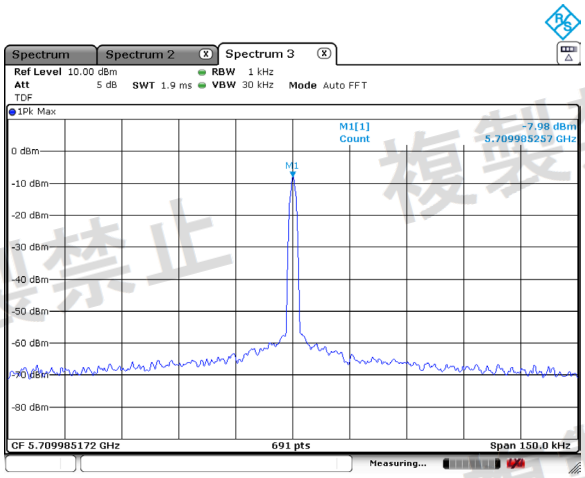
CH Low



CH Middle

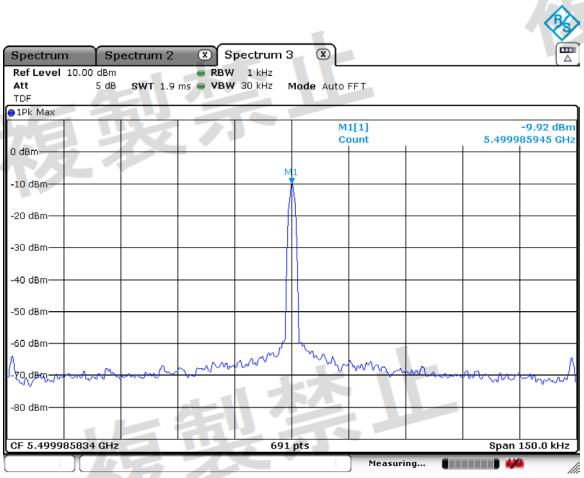


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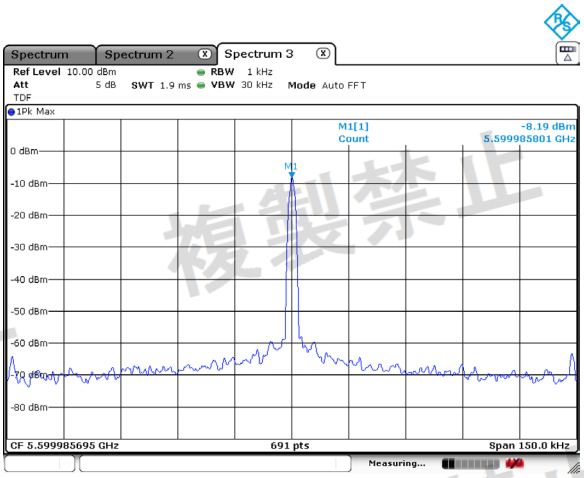


▣802.11ax(HE20)

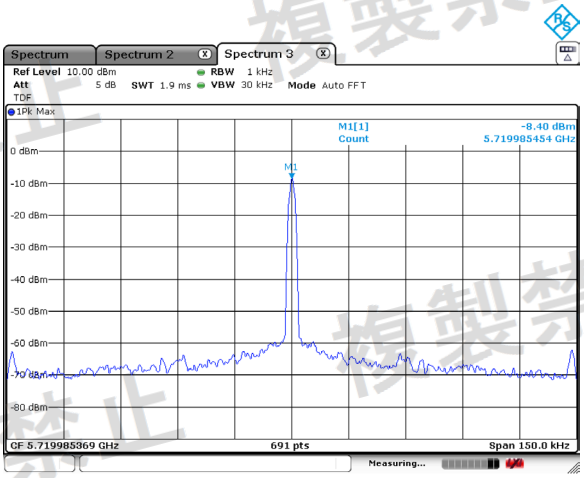
CH Low



CH Middle

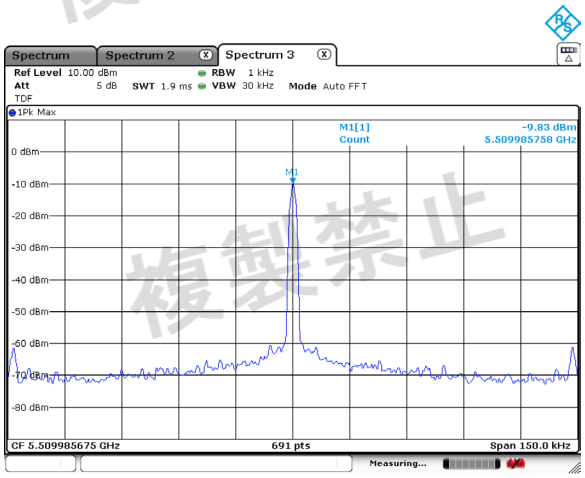


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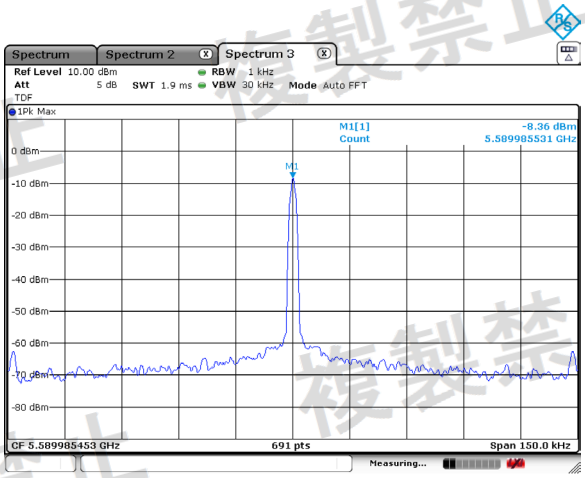


▣802.11ax(HE40)

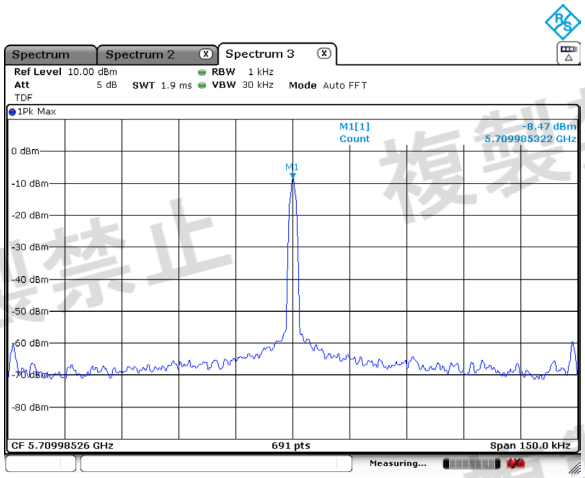
CH Low



CH Middle



CH High



5.2 Occupied Bandwidth & Spread Bandwidth

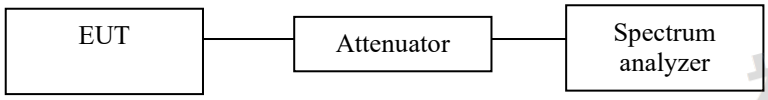
5.2.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

Center frequency: Operating frequency
Resolution BW: 300 kHz
Video BW: 300 kHz
Sweep time: Auto
Sweep mode: Continuous sweep
Detector mode: Positive Peak
Trace mode: Max hold

Set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26 MHz.
Set to 90% of occupied bandwidth to measure spread spectrum bandwidth and it must be greater than 500 kHz.
Spread Factor = Spread Bandwidth/modulation rate

5.2.2 Test setup



5.2.3 Limit

20 MHz Mode OFDM, DSSS, etc (For BW=20 MHz) ≤ 20 MHz;
40 MHz Mode OFDM (For BW=40 MHz) ≤ 40 MHz

500 kHz ≤Spread Bandwidth

5.2.4 Test environment conditions

• Ambient temperature : (20 ~ 22) ℃ • Relative Humidity : (46 ~ 49) % R.H.

5.2.5 Measurement Result

■W52

▣802.11a

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 180	16.93	≤20	14.25	>0.5	Compliance
5 200	16.86		14.11		Compliance
5 240	16.79		14.04		Compliance

▣802.11n(HT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 180	18.16	≤20	14.76	>0.5	Compliance
5 200	18.23		14.98		Compliance
5 240	18.02		14.62		Compliance

▣802.11n(HT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 190	36.18	≤40	30.54	>0.5	Compliance
5 230	36.32		30.82		Compliance

▣802.11ac(VHT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 180	18.23	≤20	14.83	>0.5	Compliance
5 200	18.09		14.83		Compliance
5 240	18.09		14.76		Compliance

▣802.11ac(VHT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 190	36.18	≤40	30.68	>0.5	Compliance
5 230	36.18		30.82		Compliance

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▣802.11ax(HE20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 180	18.96	≤20	15.63	>0.5	Compliance
5 200	18.96		15.70		Compliance
5 240	18.96		15.70		Compliance

▣802.11ax(HE40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 190	37.92	≤40	31.55	>0.5	Compliance
5 230	37.92		31.69		Compliance

■W53

▣802.11a

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 260	17.00	≤20	14.11	>0.5	Compliance
5 280	16.71		14.11		Compliance
5 320	17.00		14.18		Compliance

▣802.11n(HT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 260	18.02	≤20	14.91	>0.5	Compliance
5 280	18.31		14.83		Compliance
5 320	18.09		14.76		Compliance

▣802.11n(HT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 270	36.18	≤40	30.82	>0.5	Compliance
5 310	36.03		30.39		Compliance

▣802.11ac(VHT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 260	18.09	≤20	14.69	>0.5	Compliance
5 280	18.02		14.91		Compliance
5 320	18.02		14.76		Compliance

▣802.11ac(VHT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 270	36.18	≤40	30.54	>0.5	Compliance
5 310	36.32		30.39		Compliance

▣802.11ax(HE20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 260	18.96	≤20	15.63	>0.5	Compliance
5 280	18.96		15.70		Compliance
5 320	18.96		15.70		Compliance

▣802.11ax(HE40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 270	37.92	≤40	31.69	>0.5	Compliance
5 310	37.77		31.69		Compliance

■W56

▣802.11a

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 500	16.50	≤20	14.04	>0.5	Compliance
5 600	16.64		14.11		Compliance
5 720	16.86		14.04		Compliance

▣802.11n(HT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 500	18.38	≤20	14.76	>0.5	Compliance
5 600	18.09		14.91		Compliance
5 720	18.23		14.83		Compliance

▣802.11n(HT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 510	36.18	≤40	30.82	>0.5	Compliance
5 590	36.18		30.97		Compliance
5 710	36.18		30.25		Compliance

▣802.11ac(VHT20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 500	17.95	≤20	14.91	>0.5	Compliance
5 600	18.16		4.83		Compliance
5 720	18.02		14.76		Compliance

▣802.11ac(VHT40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 510	36.18	≤40	30.54	>0.5	Compliance
5 590	36.18		30.54		Compliance
5 710	36.18		30.82		Compliance

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▣802.11ax(HE20)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 500	19.10	≤20	15.56	>0.5	Compliance
5 600	19.03		15.77		Compliance
5 720	18.96		15.70		Compliance

▣802.11ax(HE40)

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
5 510	37.77	≤40	31.98	>0.5	Compliance
5 590	37.77		31.98		Compliance
5 710	37.77		31.55		Compliance

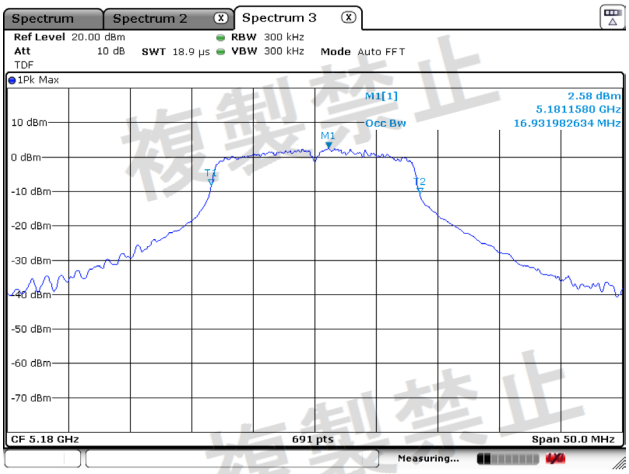
5.2.6 Test Plot

■W52

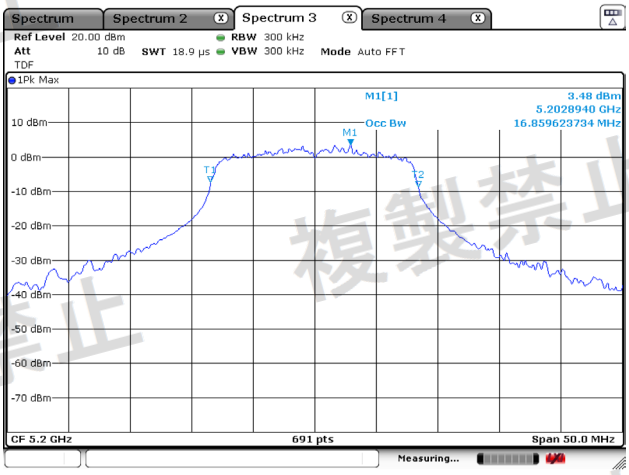
▣802.11a

99% Occupied Bandwidth

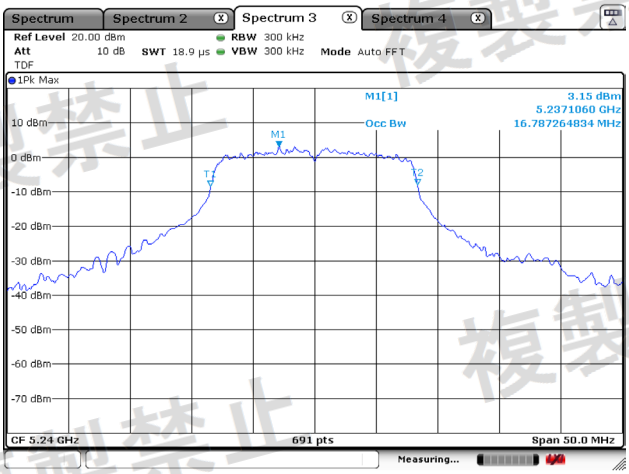
CH Low



CH Middle

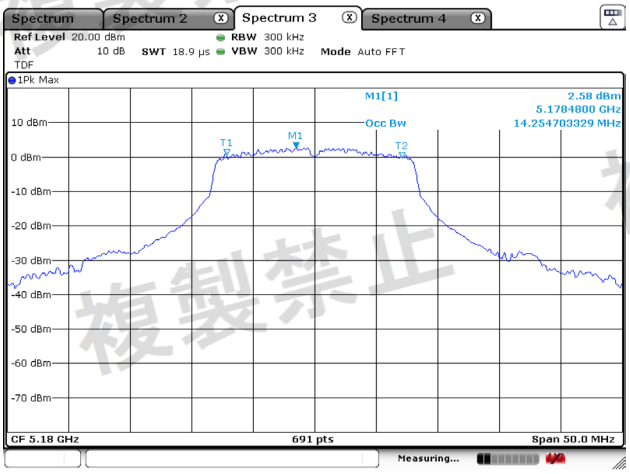


CH High

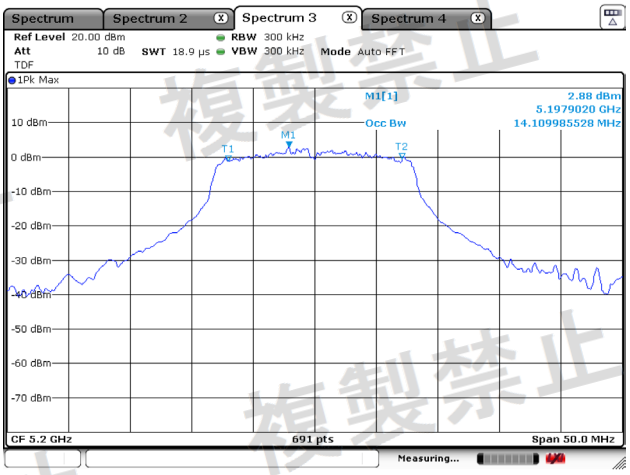


Spread Bandwidth

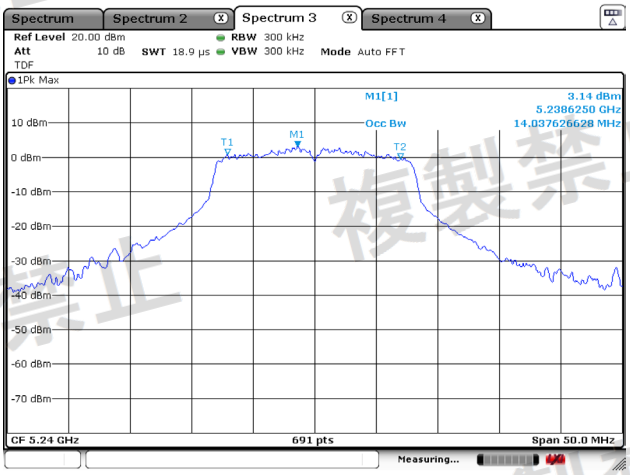
CH Low



CH Middle



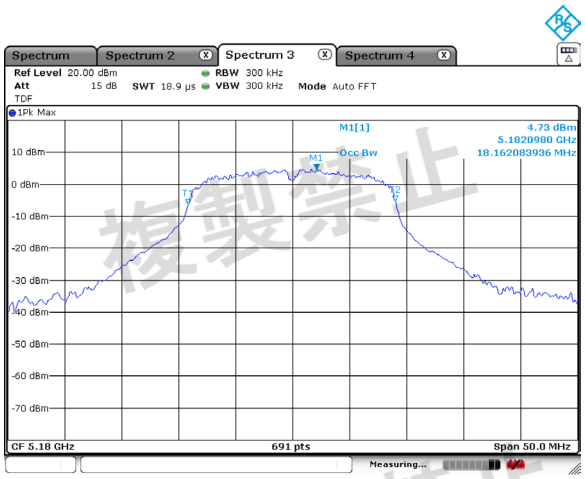
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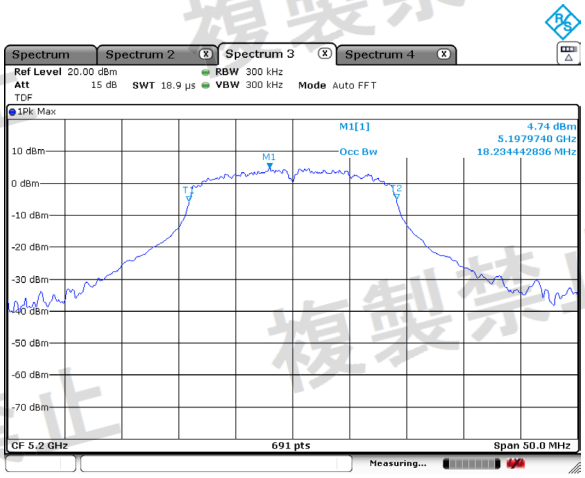
▣802.11n(HT20)

99% Occupied Bandwidth

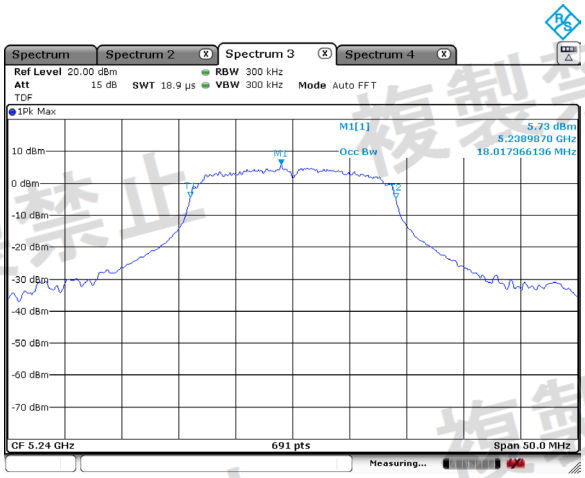
CH Low



CH Middle

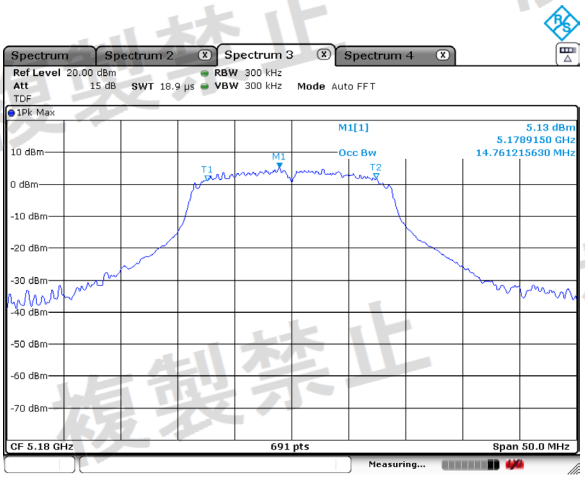


CH High

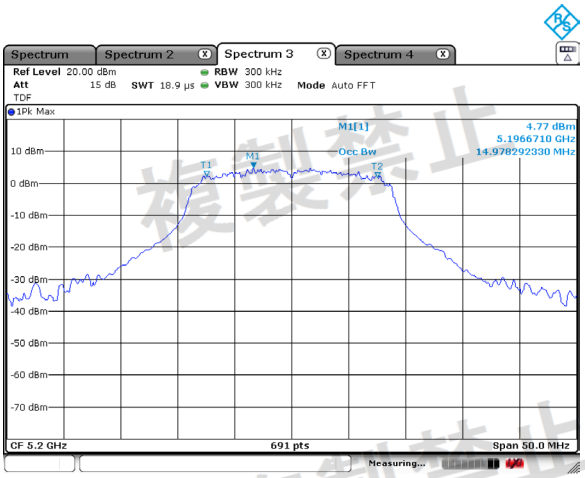


Spread Bandwidth

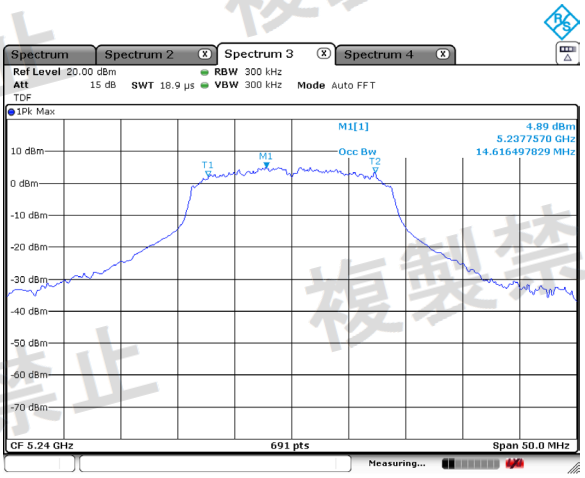
CH Low



CH Middle



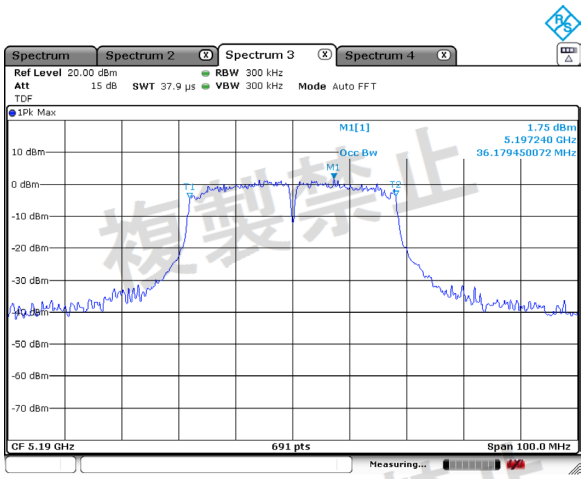
CH High



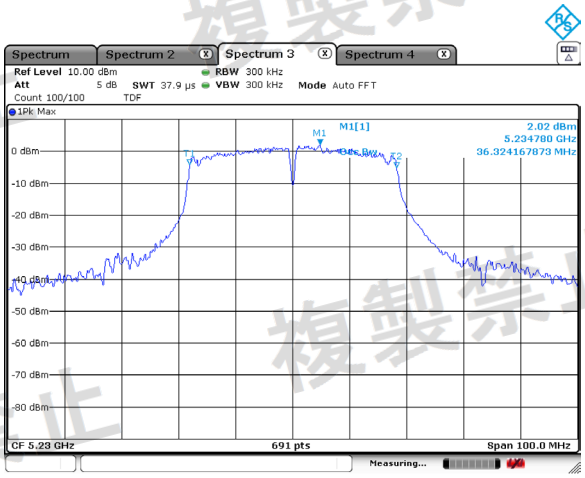
▣802.11n(HT40)

99% Occupied Bandwidth

CH Low

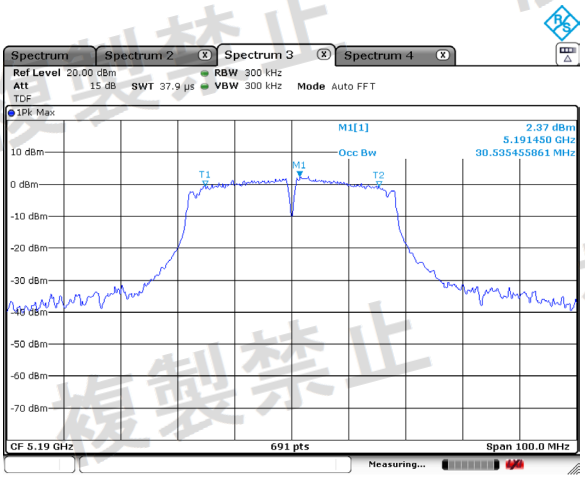


CH High

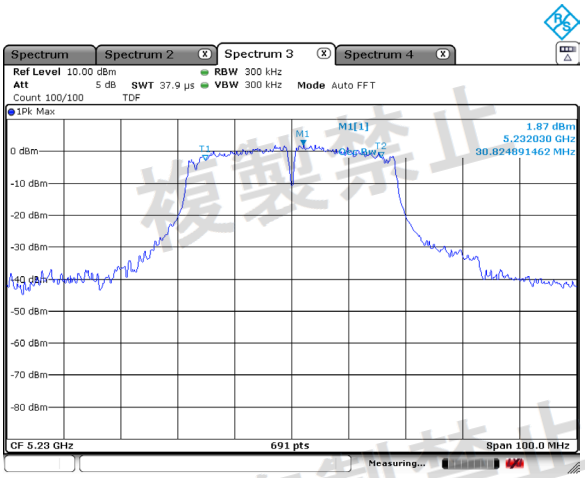


Spread Bandwidth

CH Low



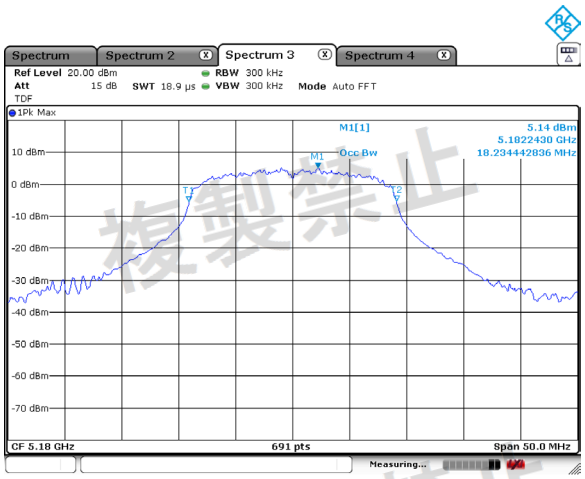
CH High



▣802.11ac(VHT20)

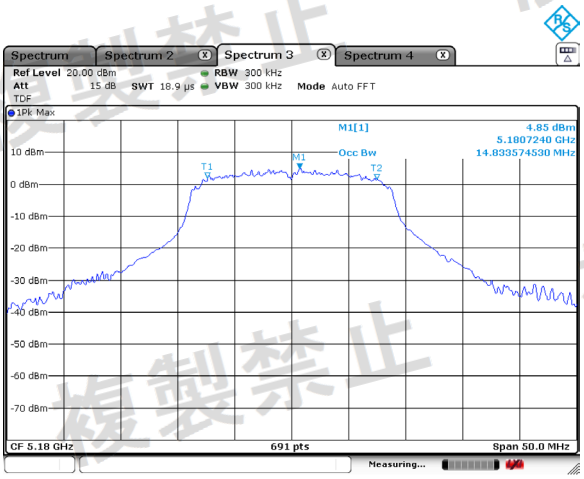
99% Occupied Bandwidth

CH Low

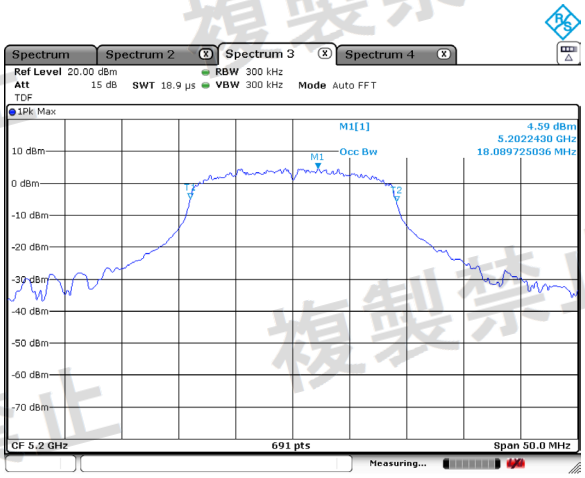


Spread Bandwidth

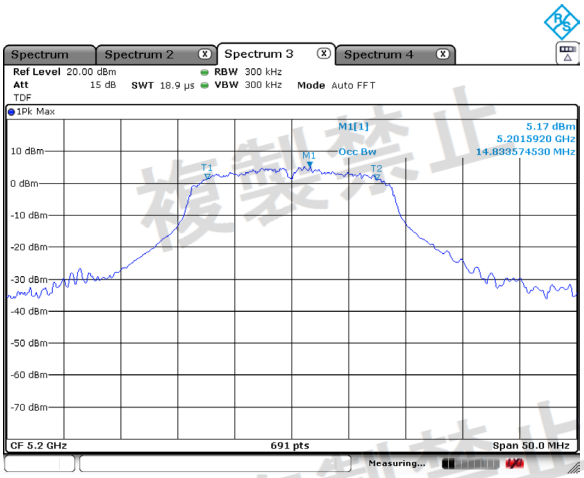
CH Low



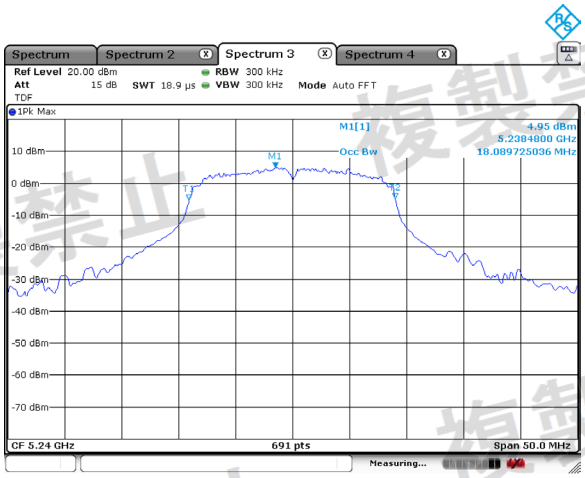
CH Middle



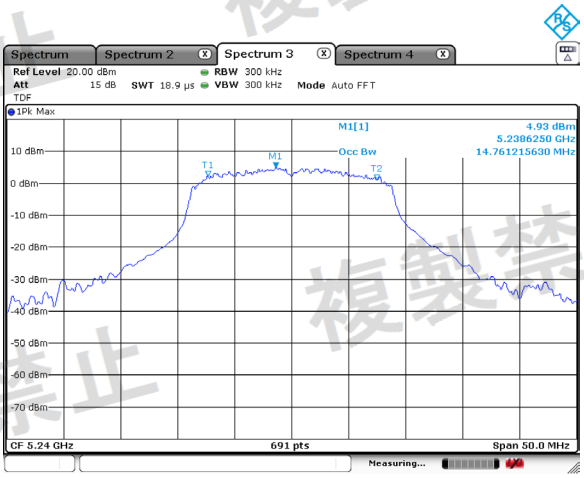
CH Middle



CH High



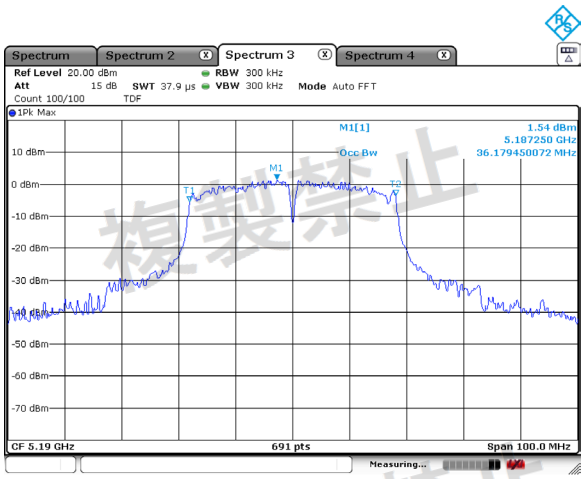
CH High



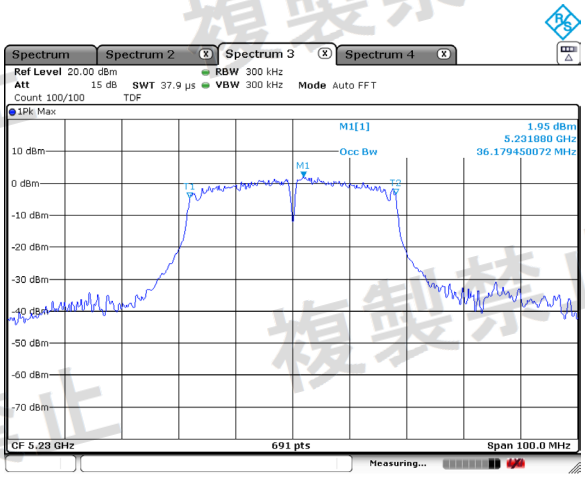
▣802.11ac(VHT40)

99% Occupied Bandwidth

CH Low

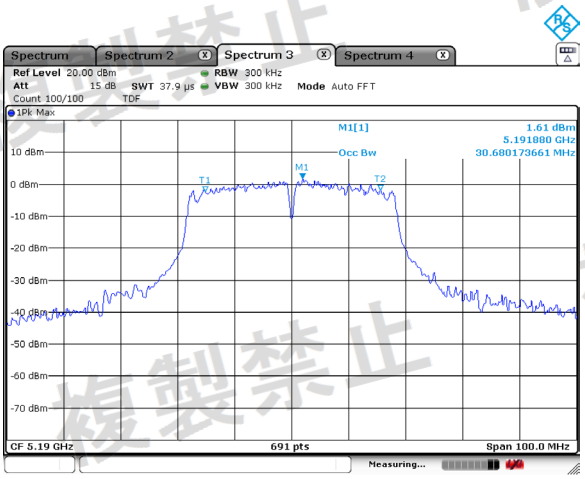


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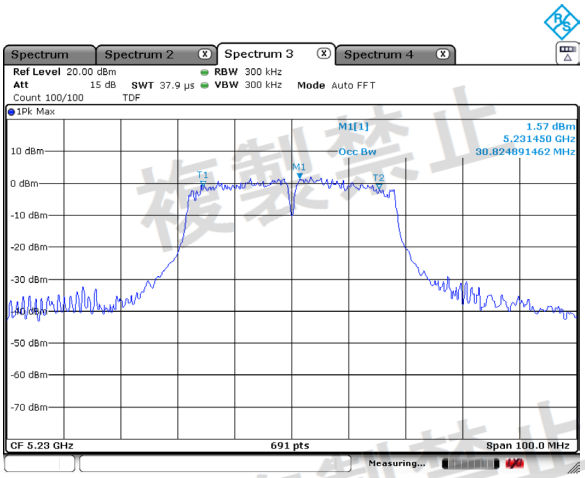


Spread Bandwidth

CH Low



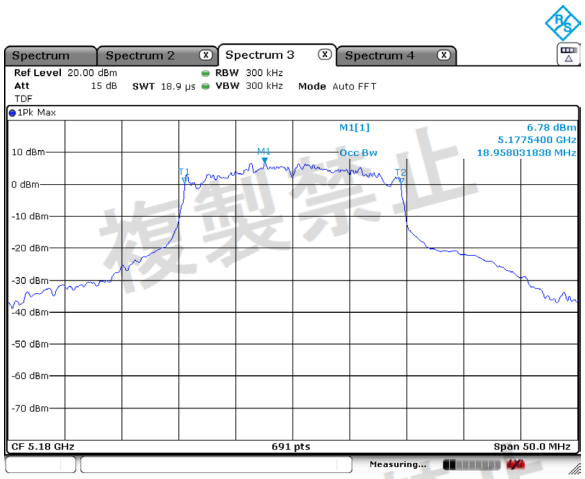
CH High



▣802.11ax(HE20)

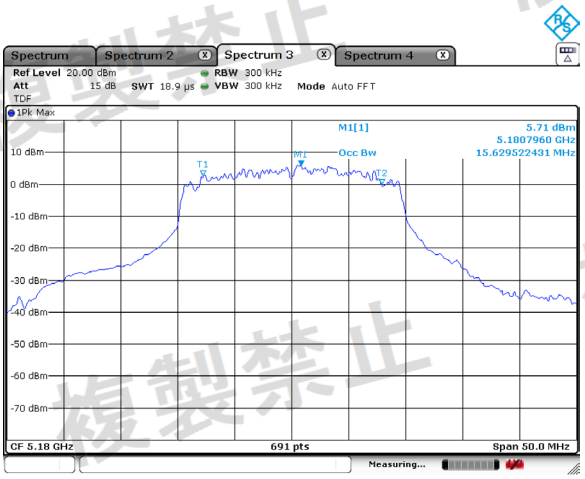
99% Occupied Bandwidth

CH Low

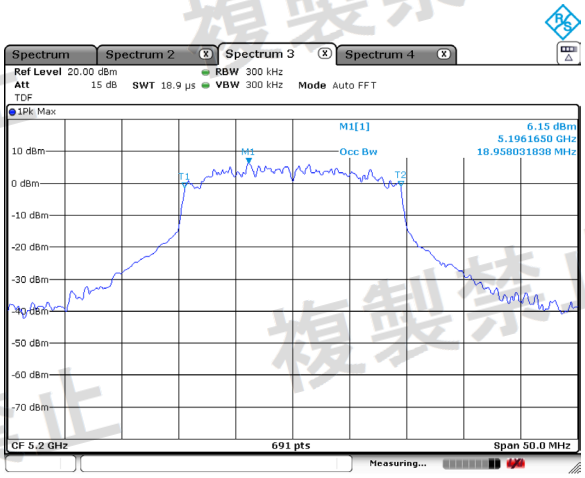


Spread Bandwidth

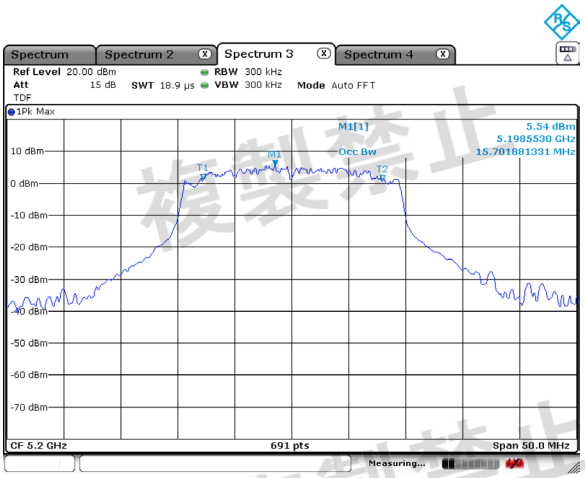
CH Low



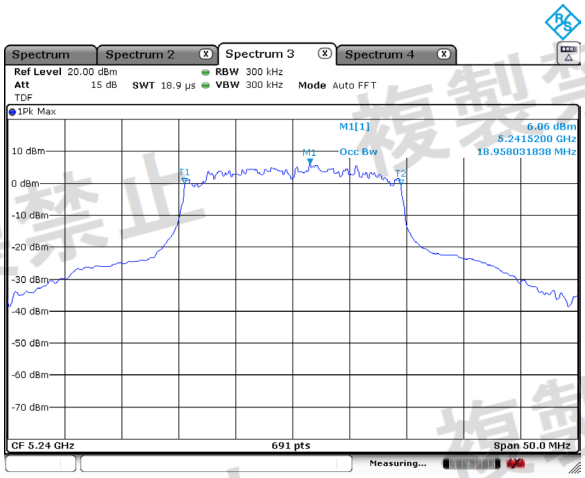
CH Middle



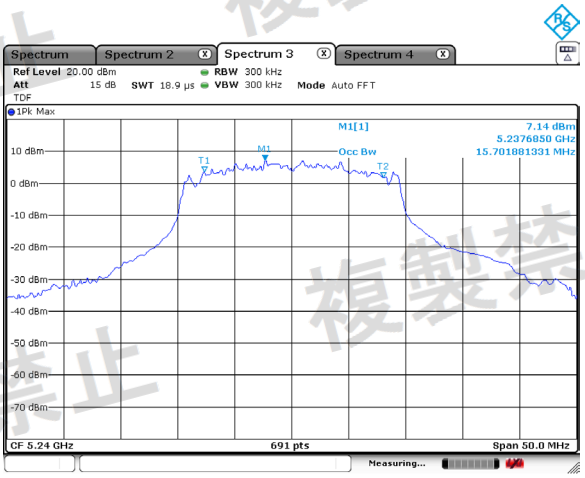
CH Middle



CH High



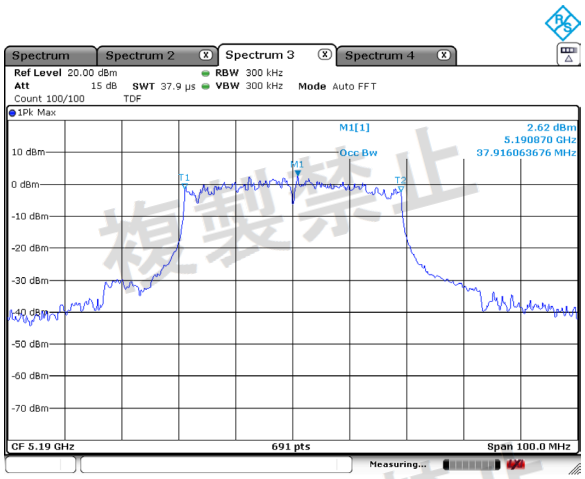
CH High



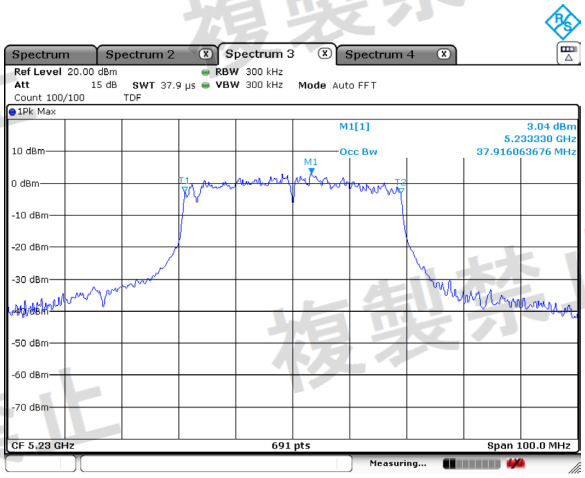
▣802.11ax(HE40)

99% Occupied Bandwidth

CH Low

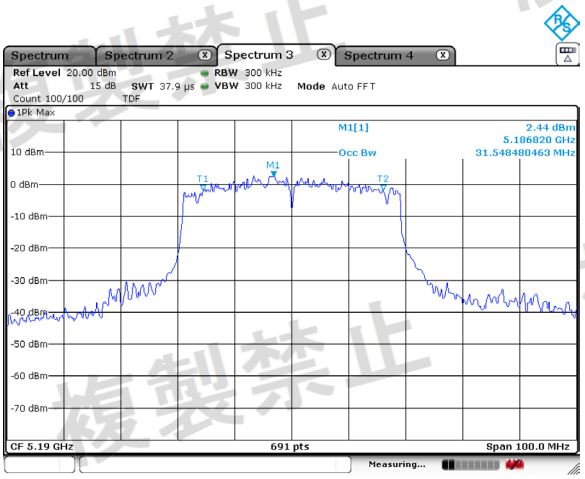


CH High

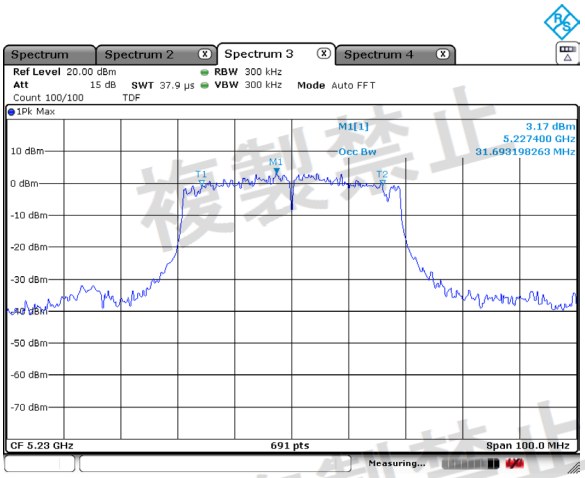


Spread Bandwidth

CH Low



CH High

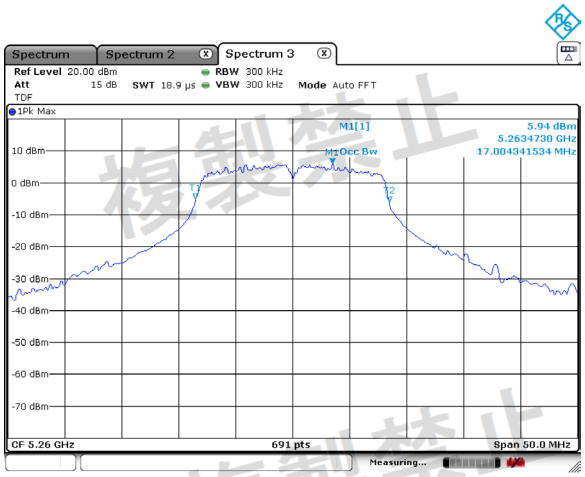


■W53

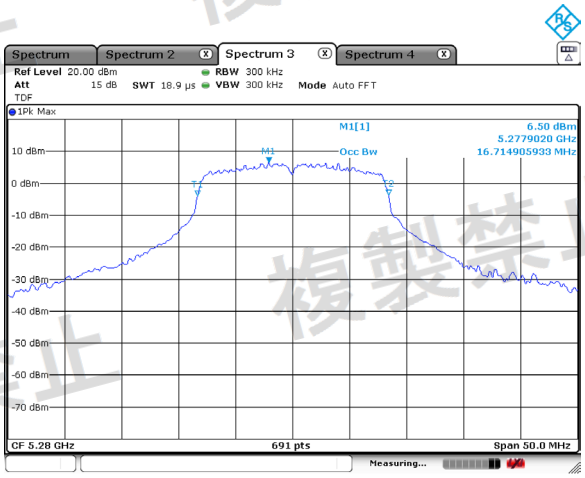
▣802.11a

99% Occupied Bandwidth

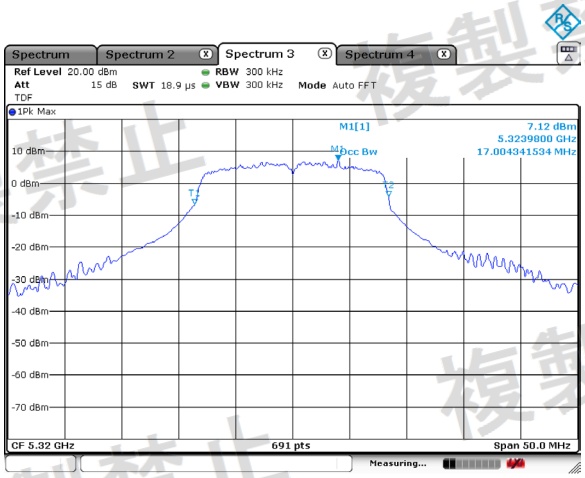
CH Low



CH Middle

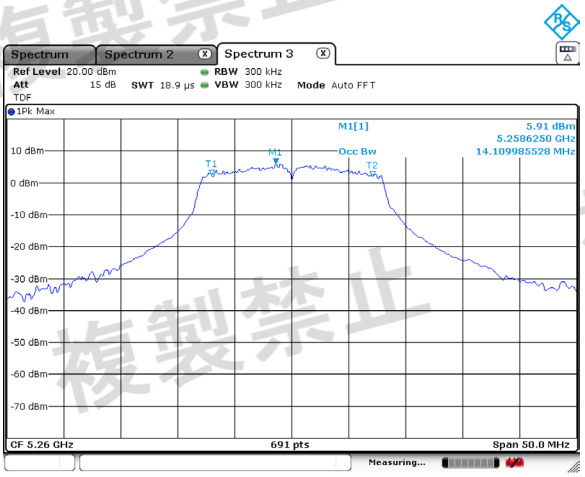


CH High

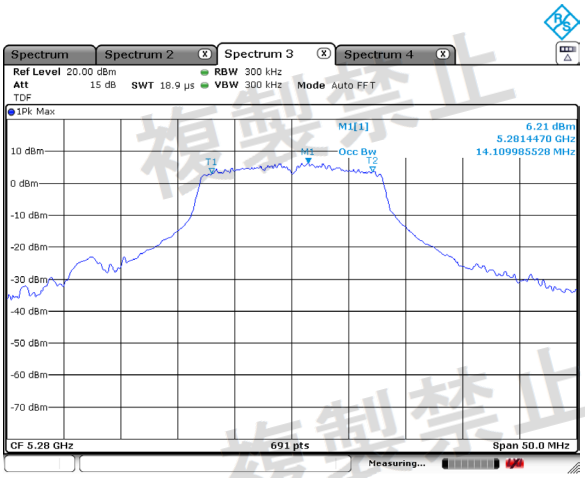


Spread Bandwidth

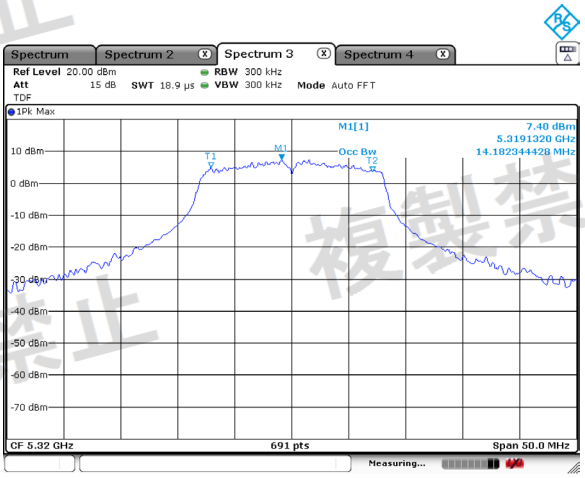
CH Low



CH Middle



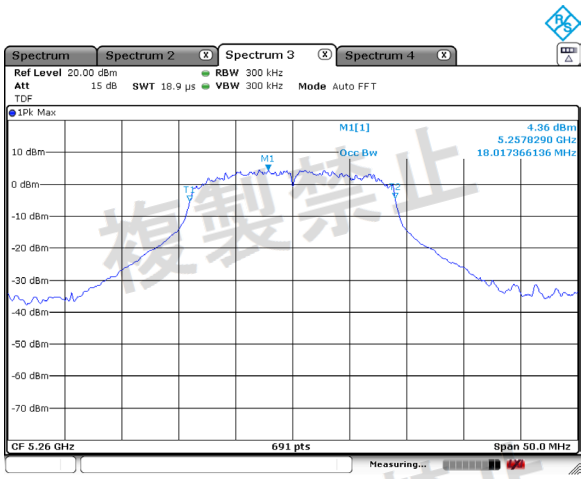
CH High



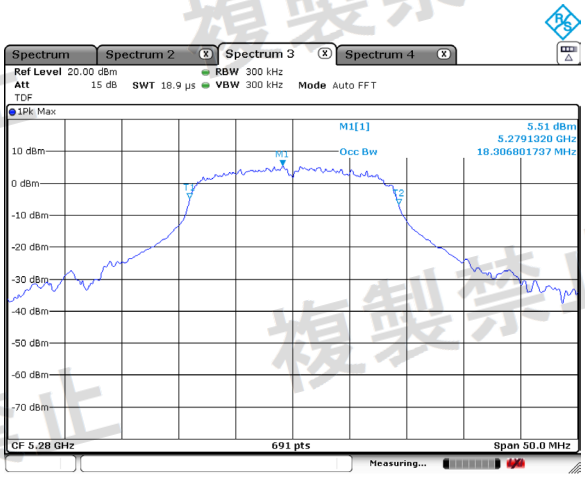
▣802.11n(HT20)

99% Occupied Bandwidth

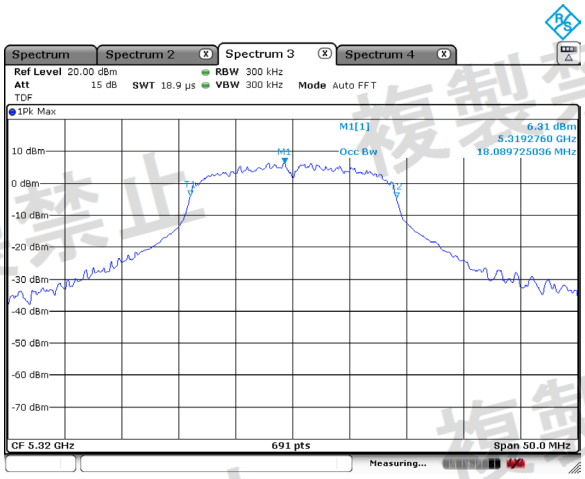
CH Low



CH Middle

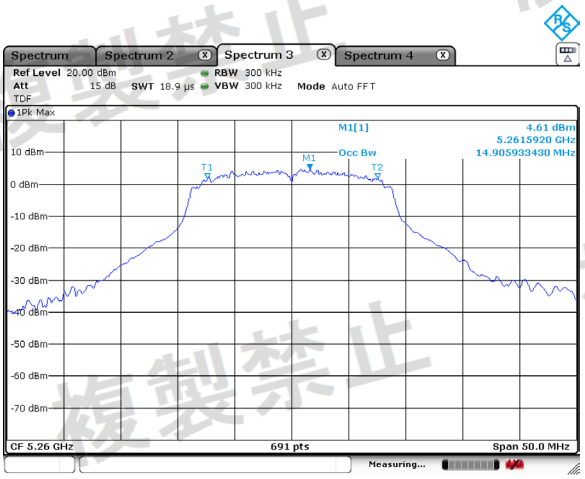


CH High

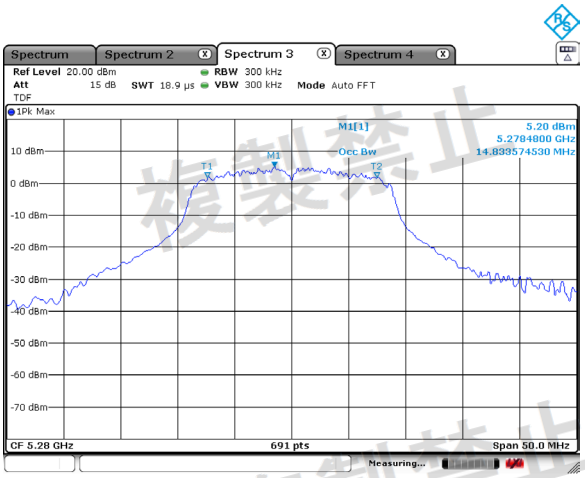


Spread Bandwidth

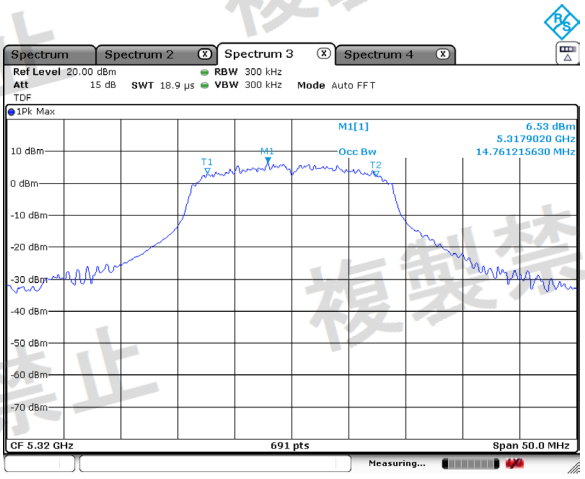
CH Low



CH Middle



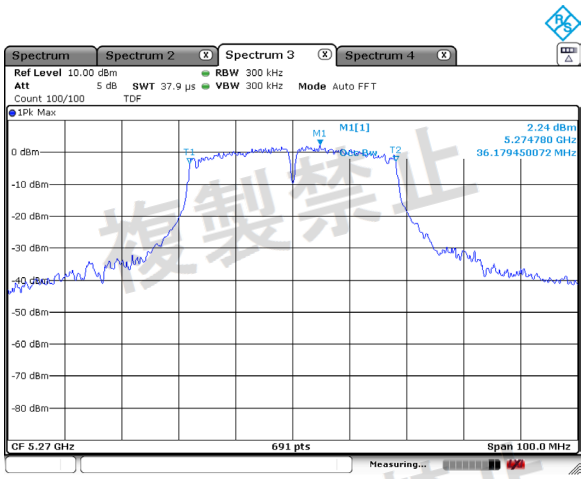
CH High



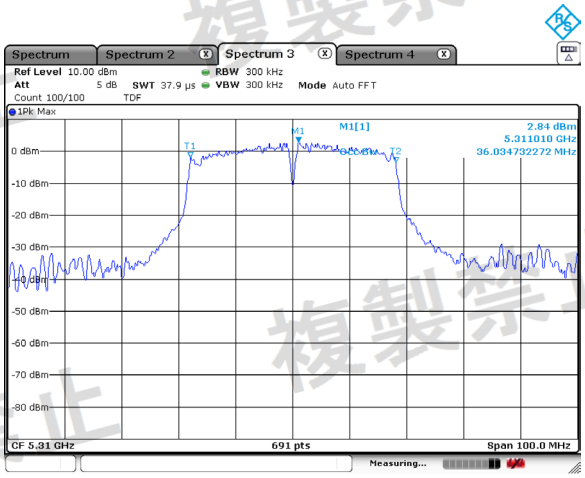
▣802.11n(HT40)

99% Occupied Bandwidth

CH Low

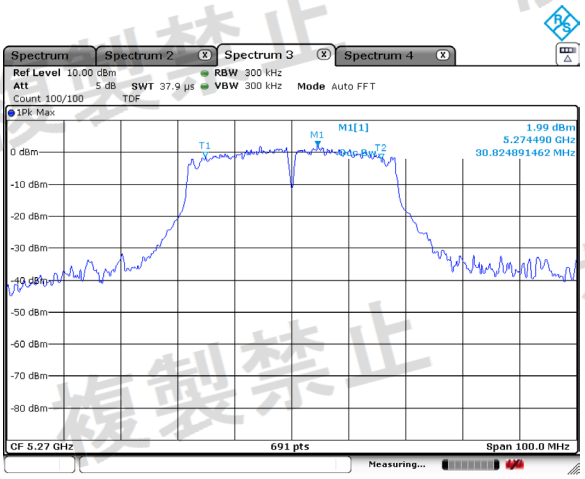


CH High

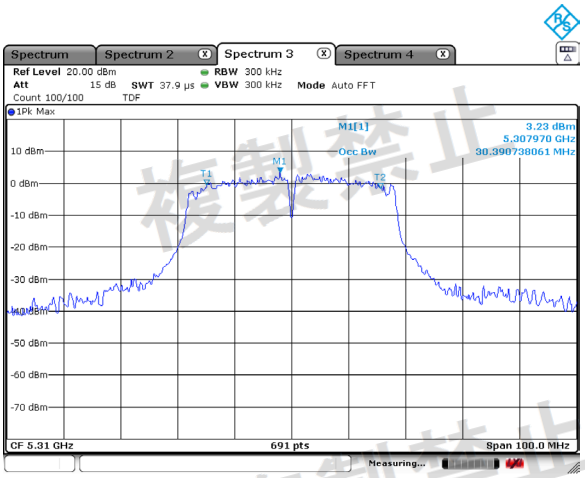


Spread Bandwidth

CH Low



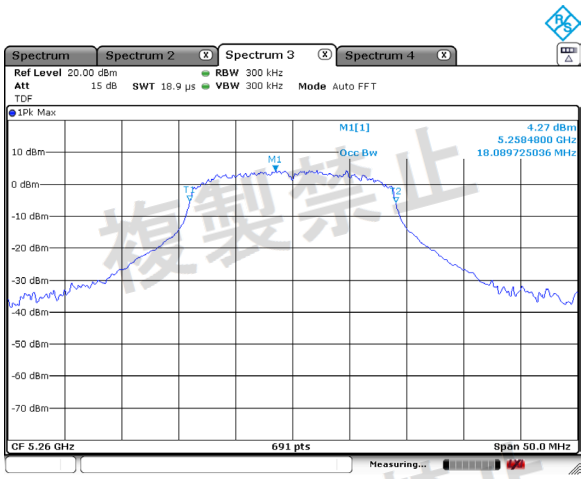
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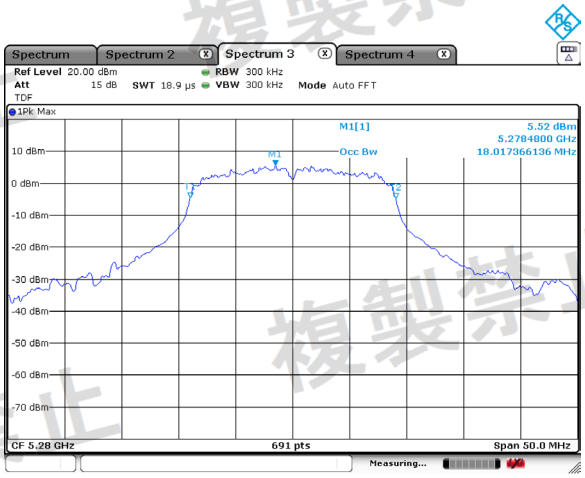
▣802.11ac(VHT20)

99% Occupied Bandwidth

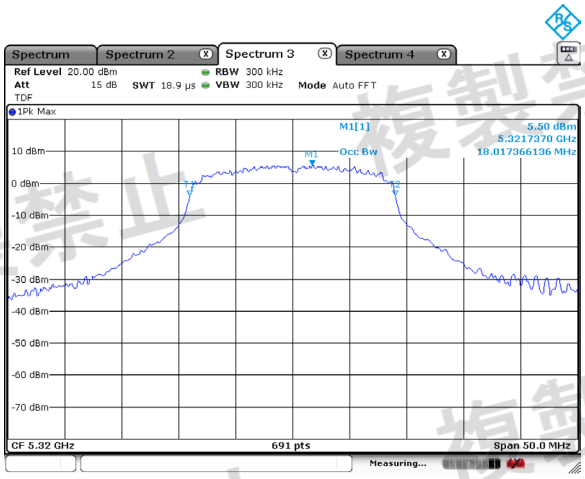
CH Low



CH Middle

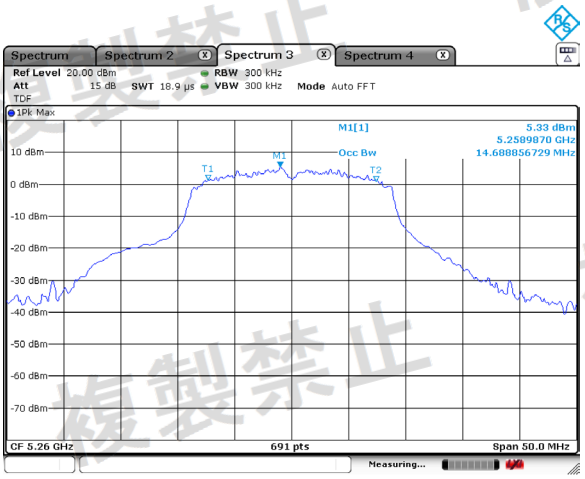


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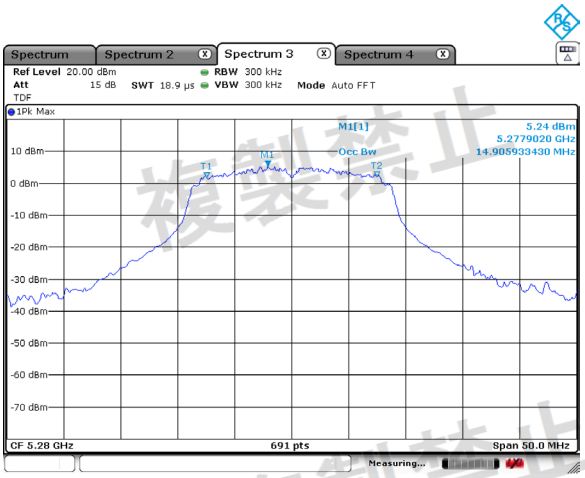


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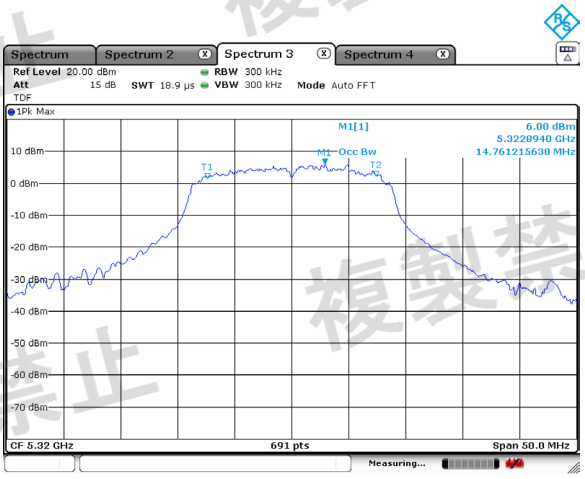
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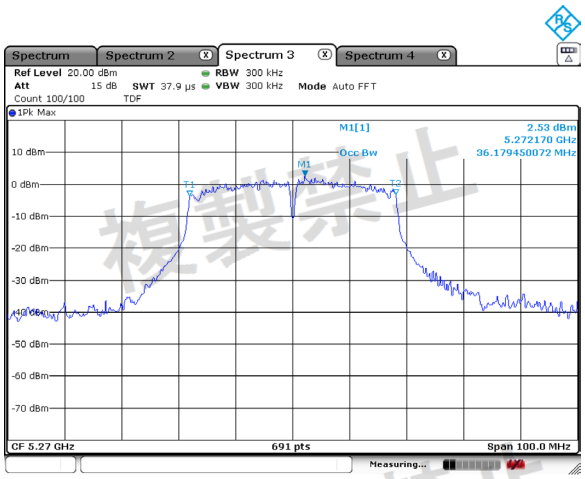
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▣802.11ac(VHT40)

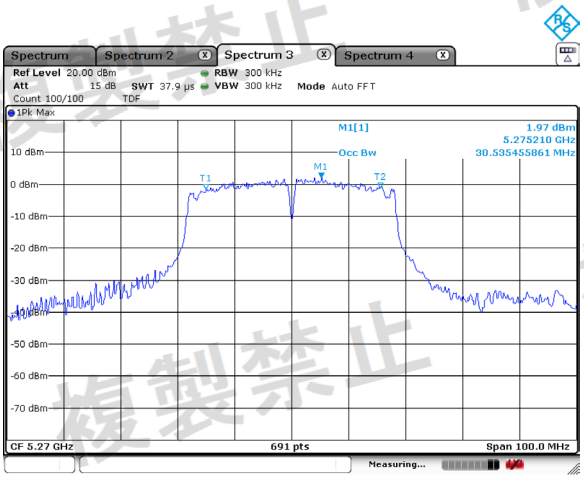
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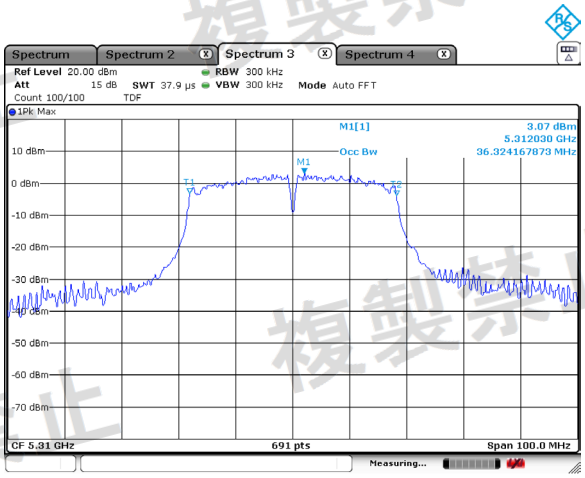


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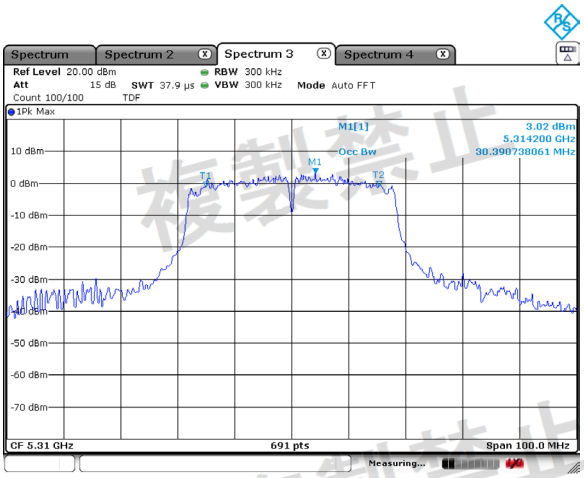
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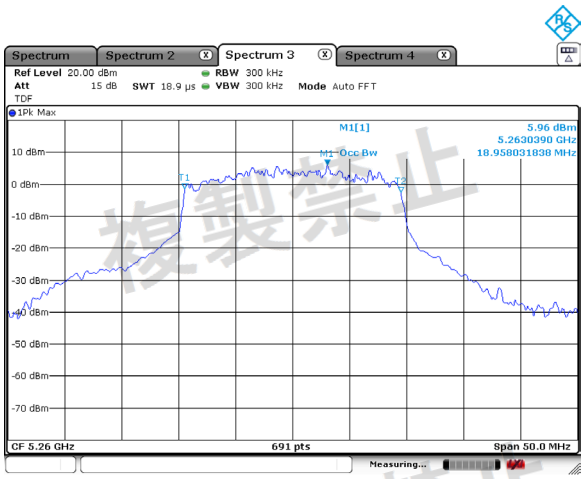
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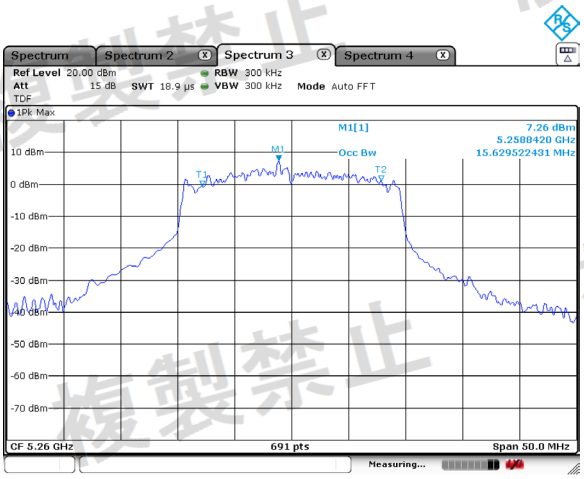
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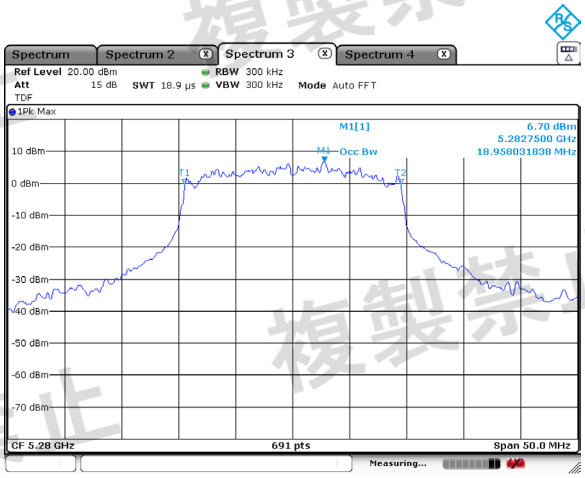


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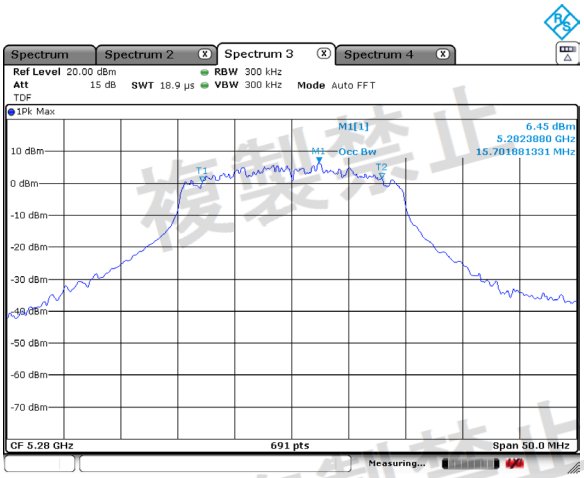
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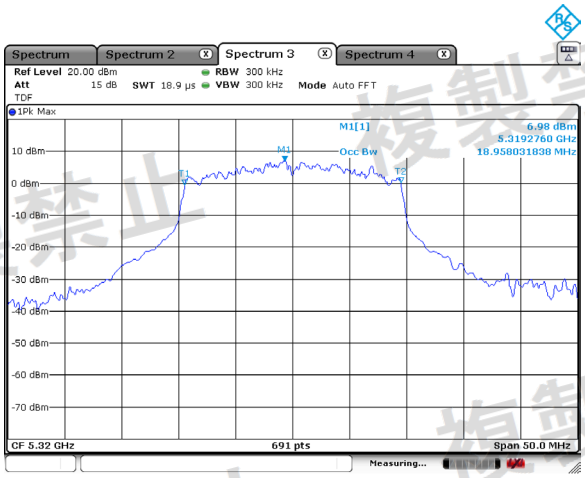
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CH Middle



CH High



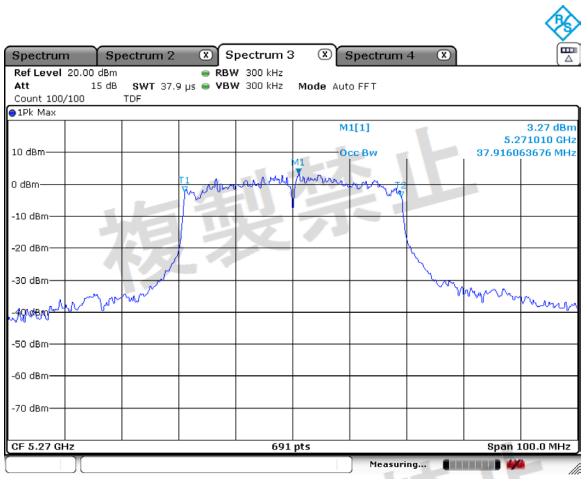
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▣802.11ax(HE40)

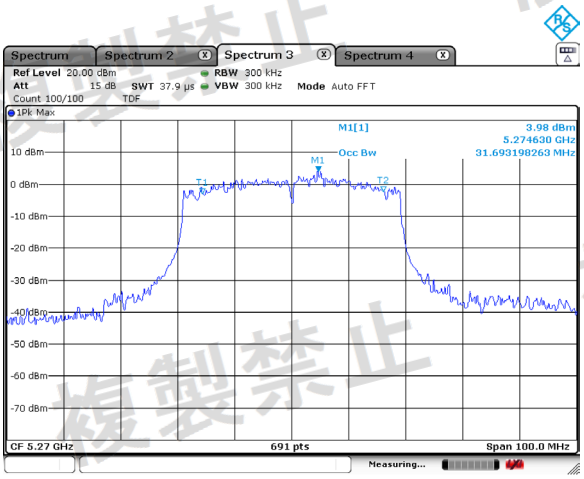
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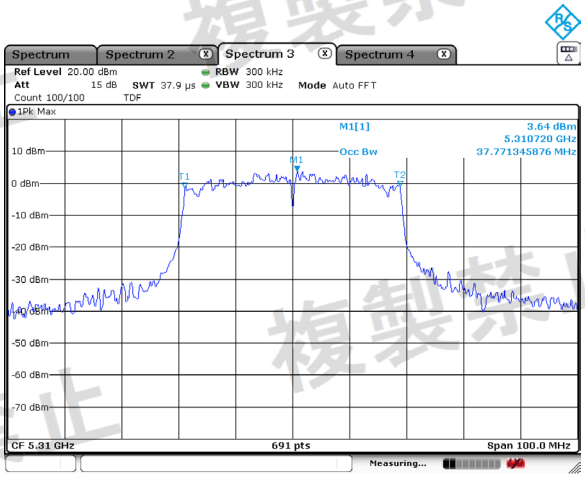


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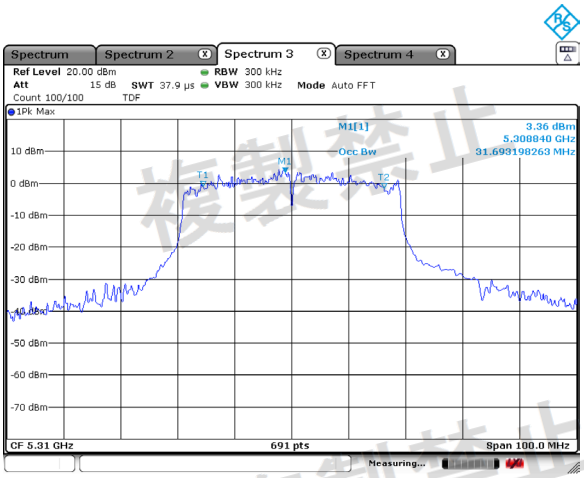
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CH High



CH High

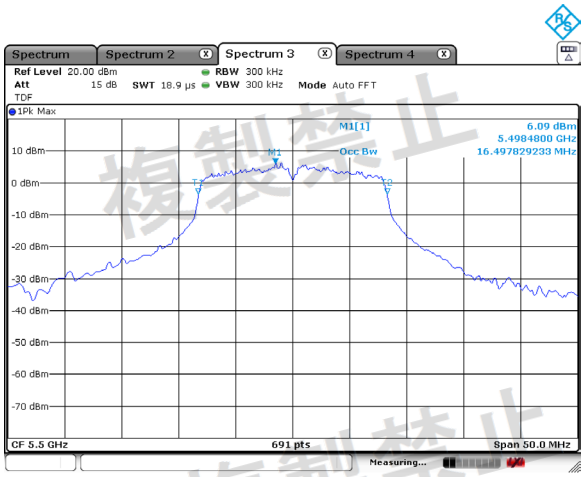


■W56

▣802.11a

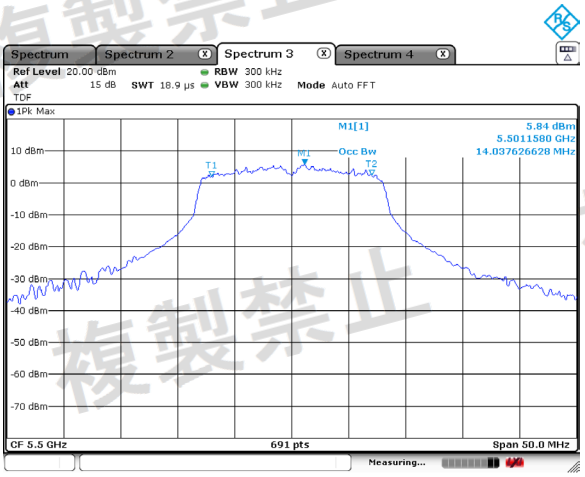
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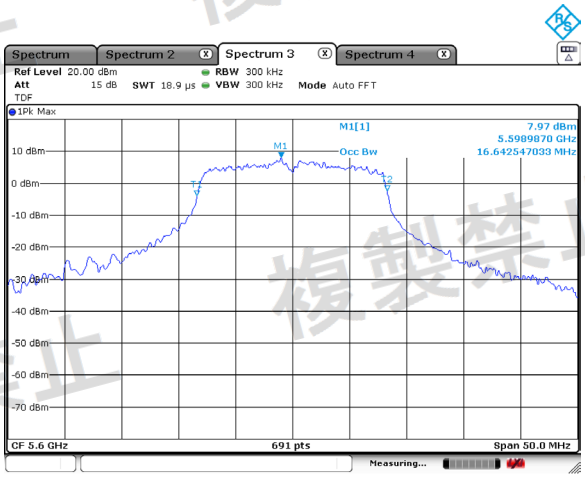


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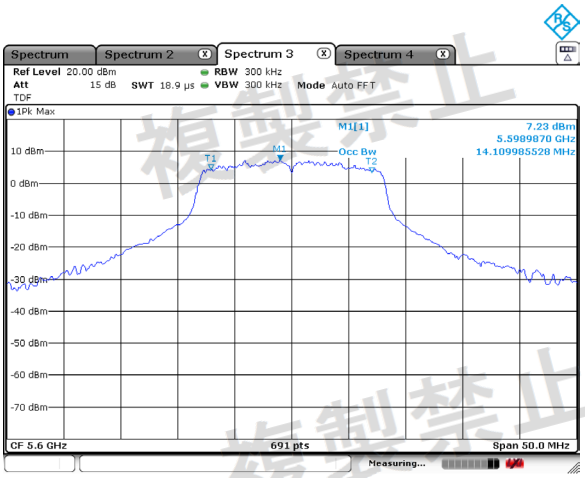
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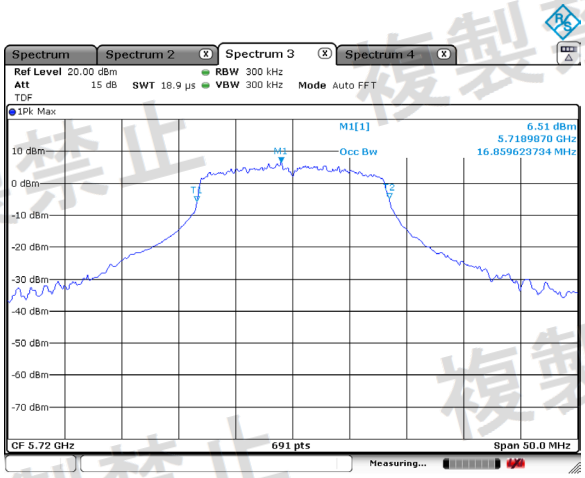
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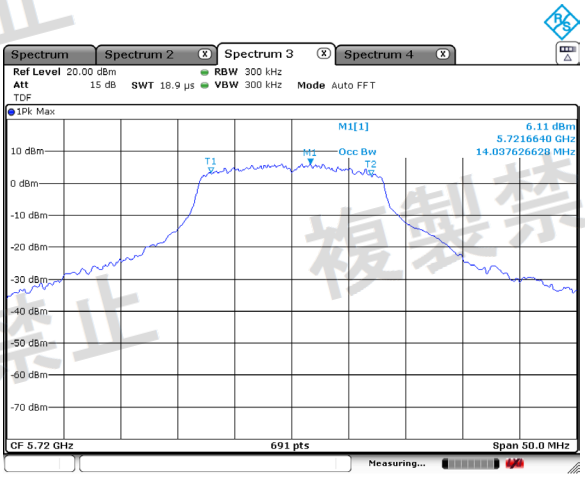
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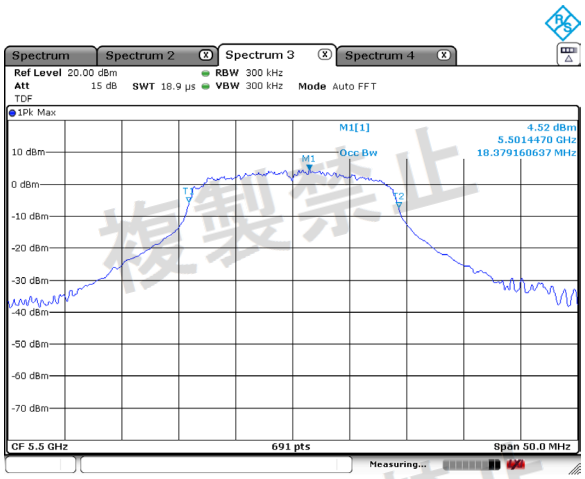
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▣802.11n(HT20)

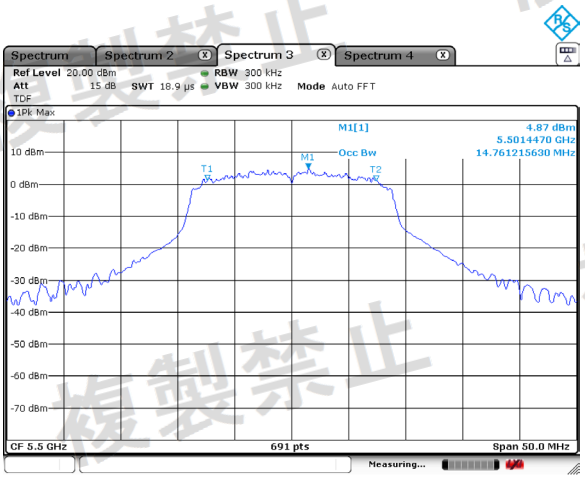
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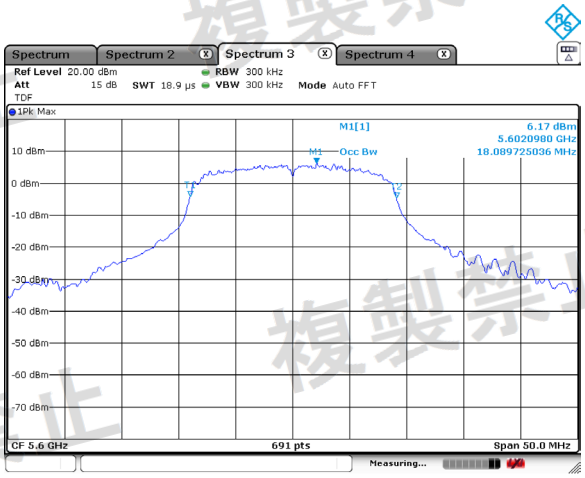


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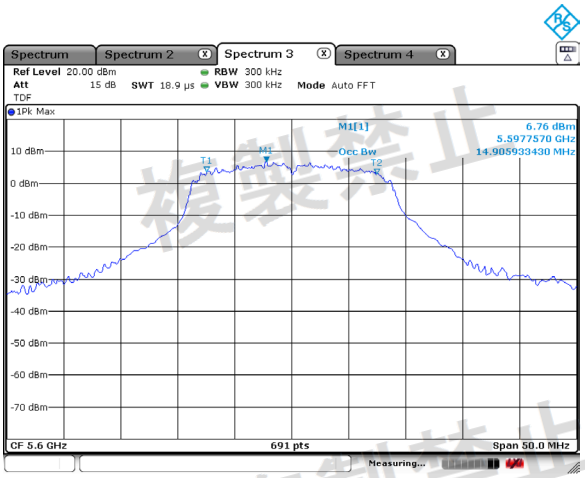
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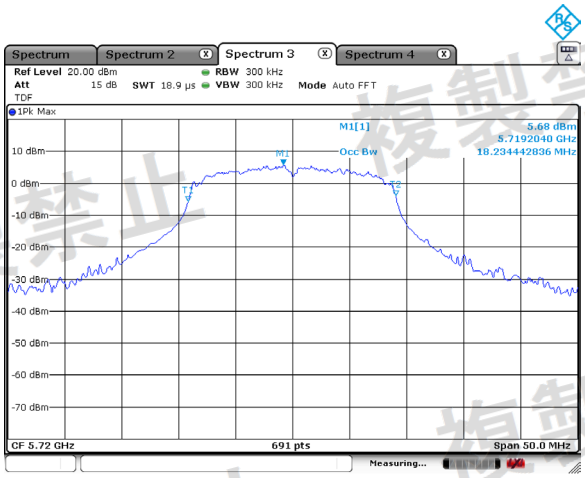
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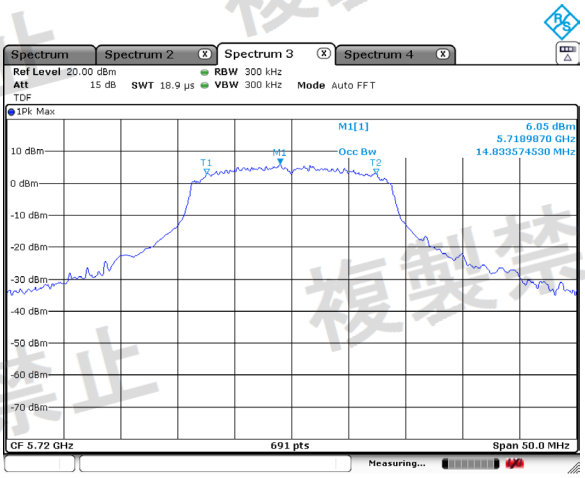
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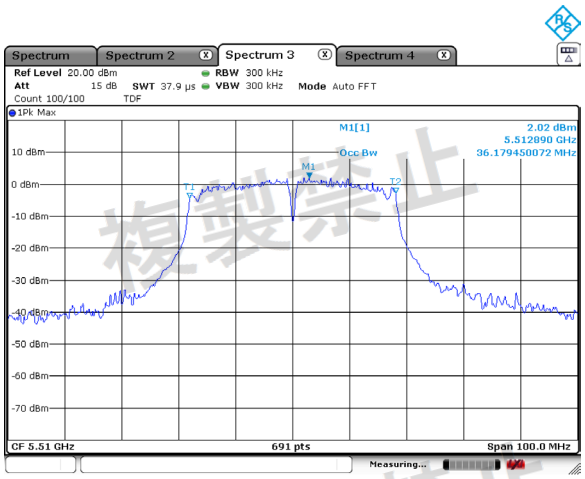
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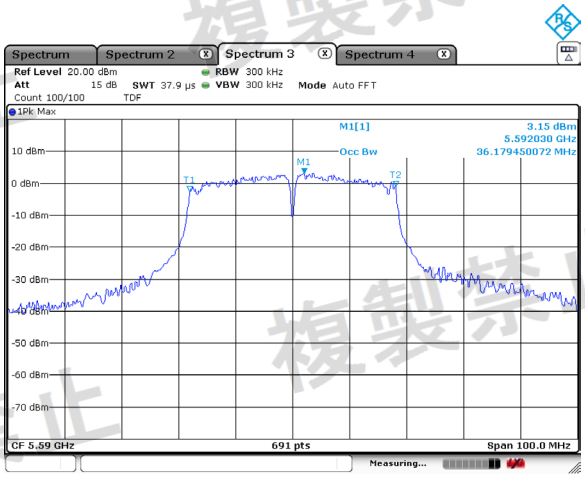
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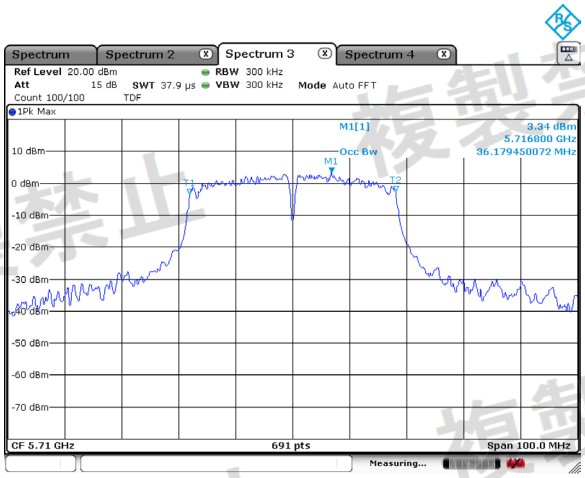
CH Low



CH Middle

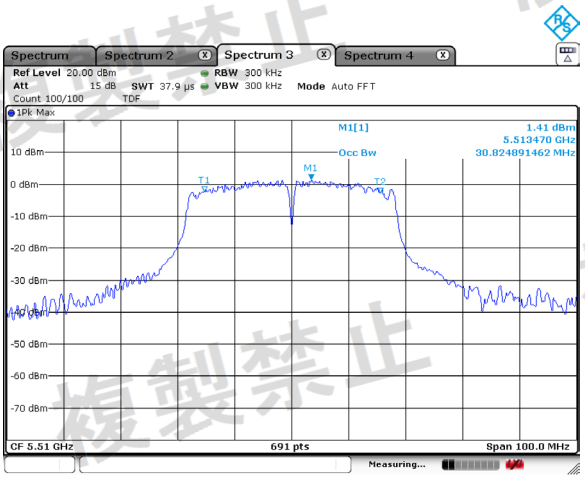


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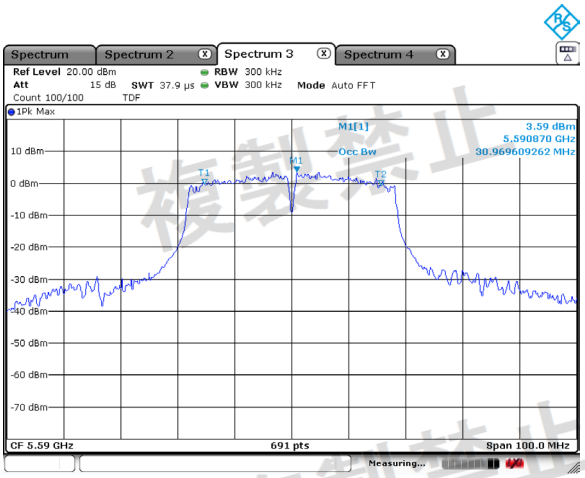


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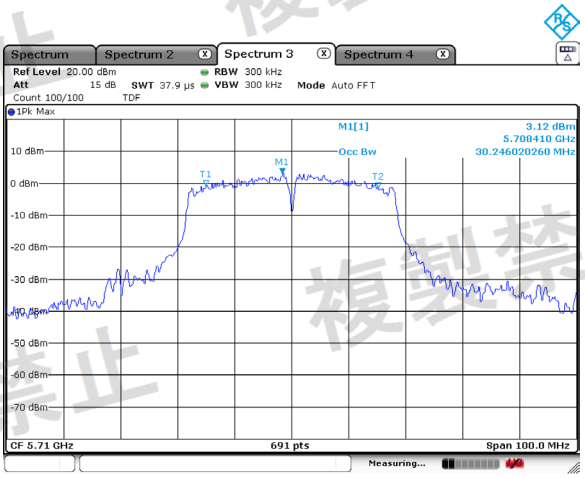
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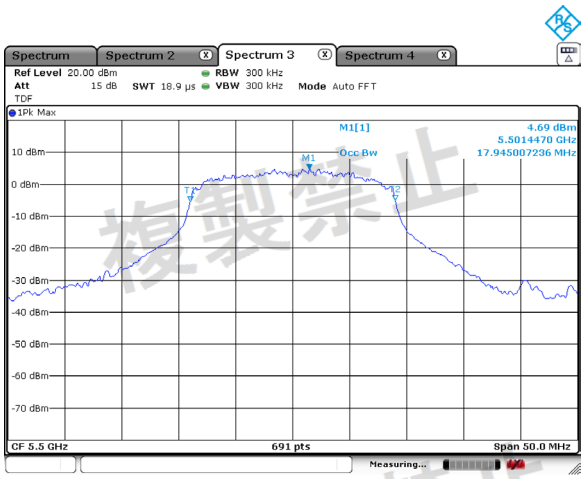
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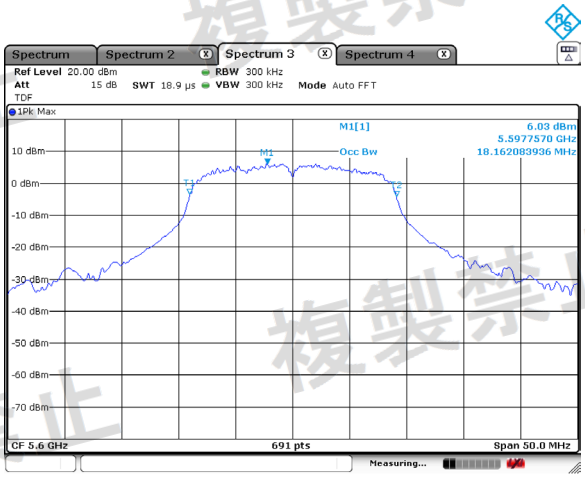
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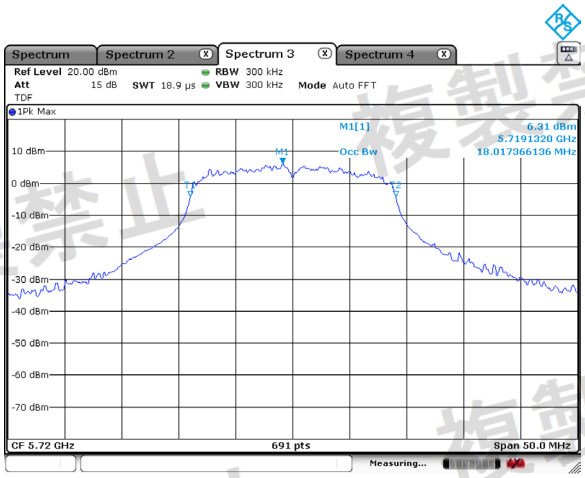
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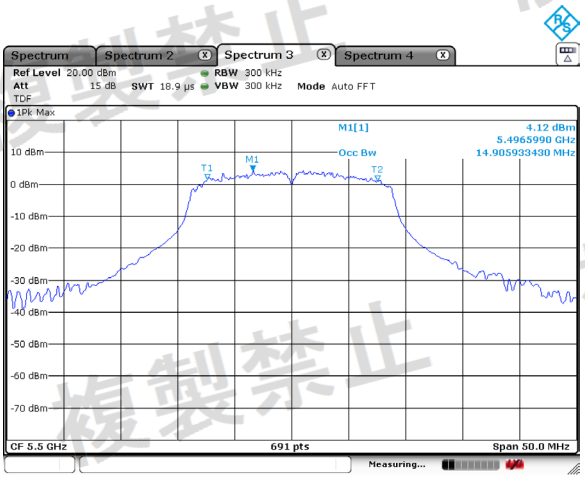


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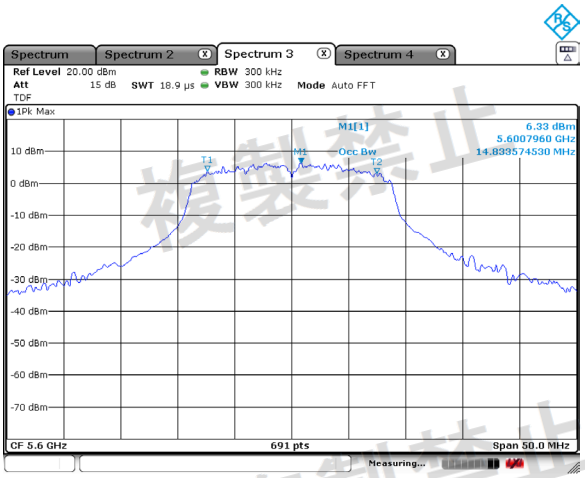


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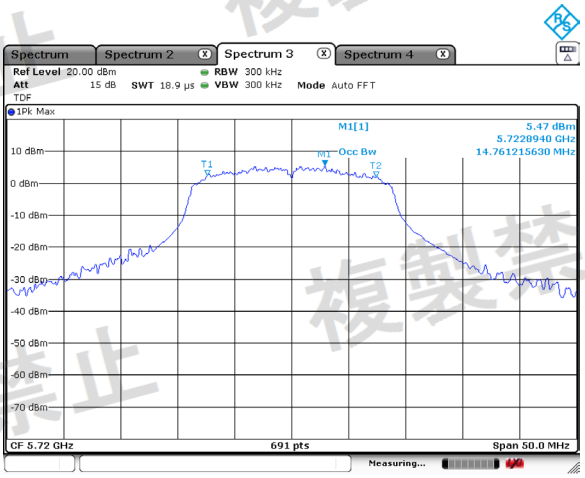
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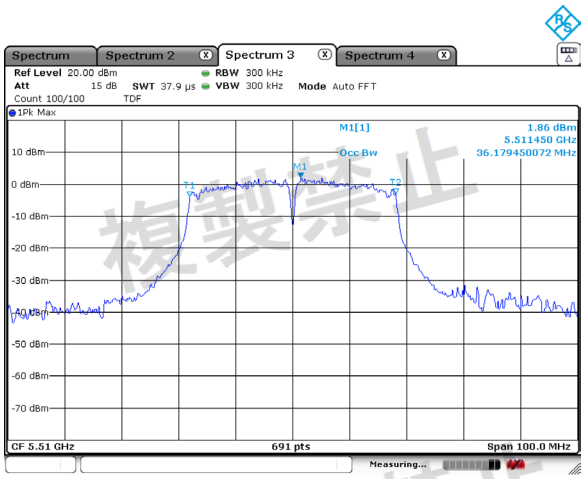
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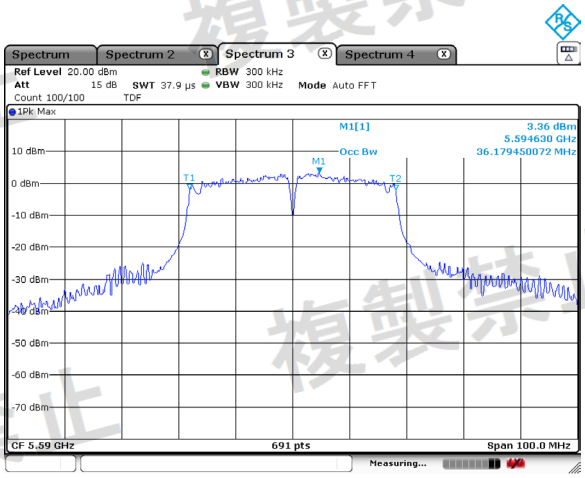
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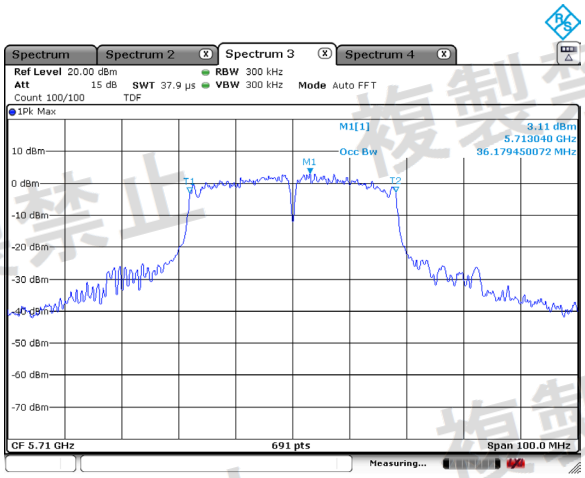
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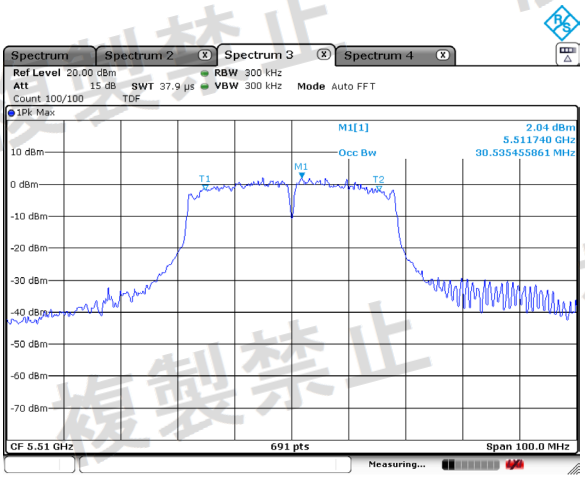


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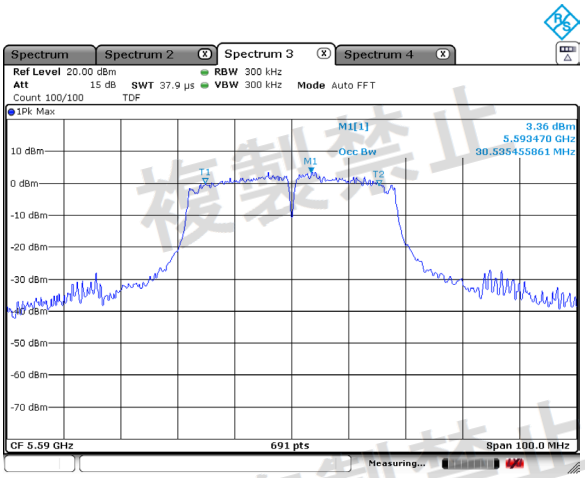


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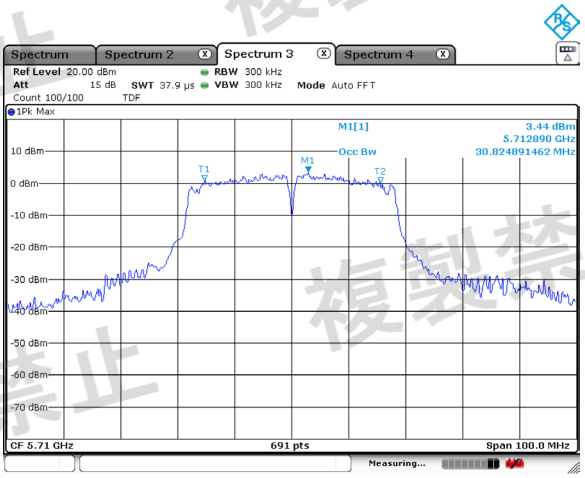
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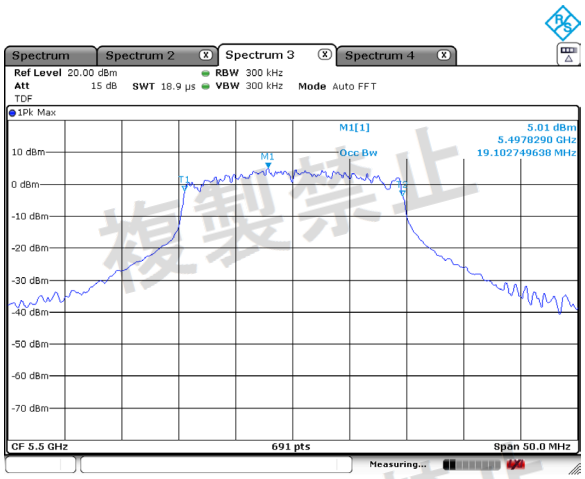
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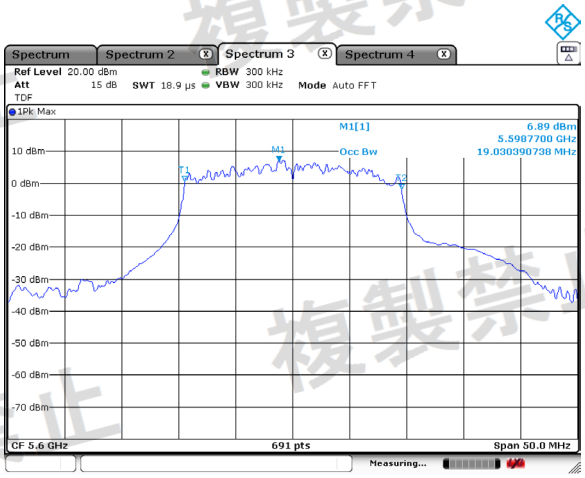
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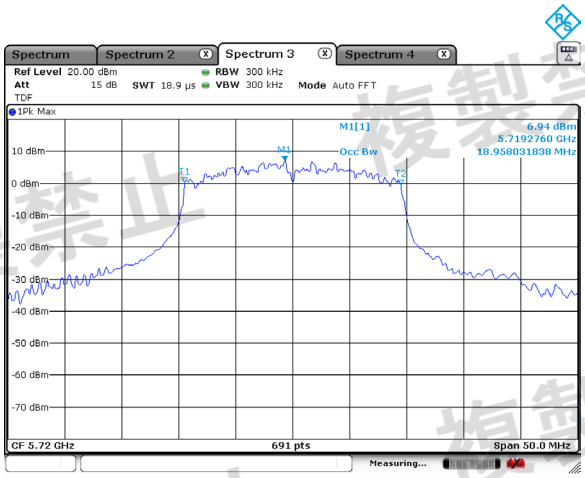
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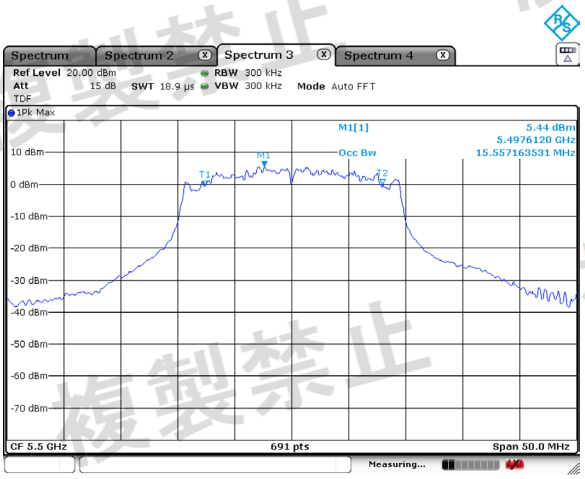


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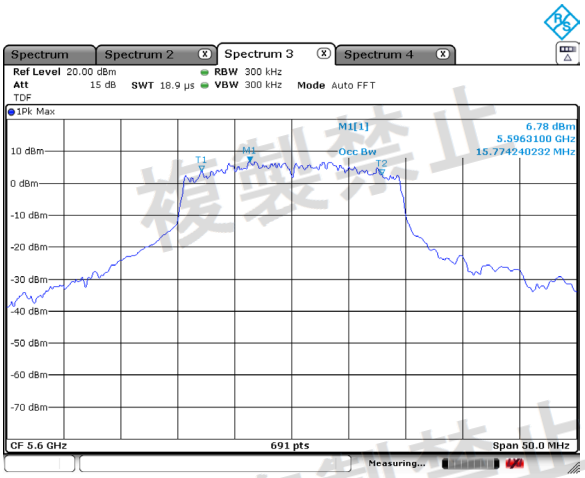


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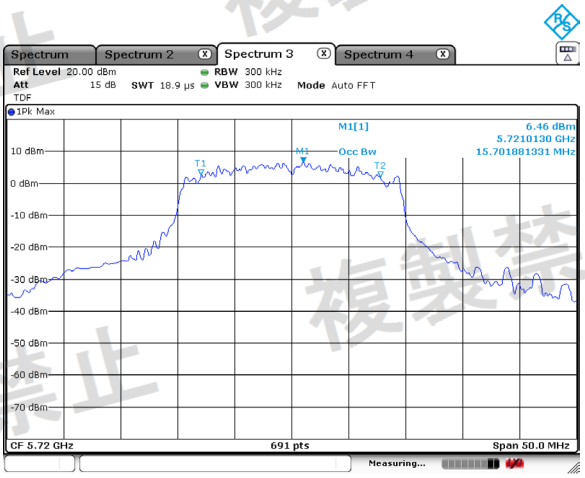
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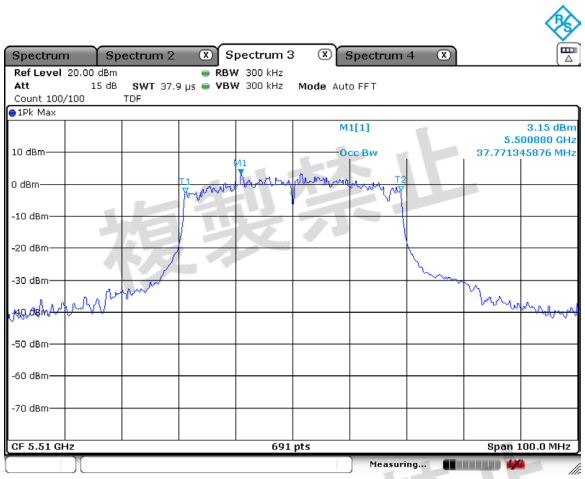
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▣802.11ax(HE40)

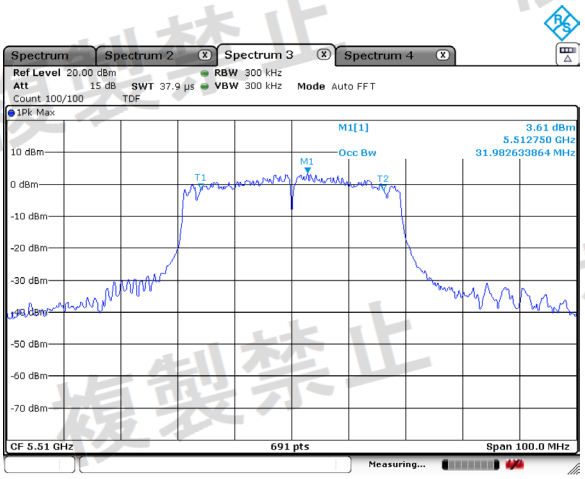
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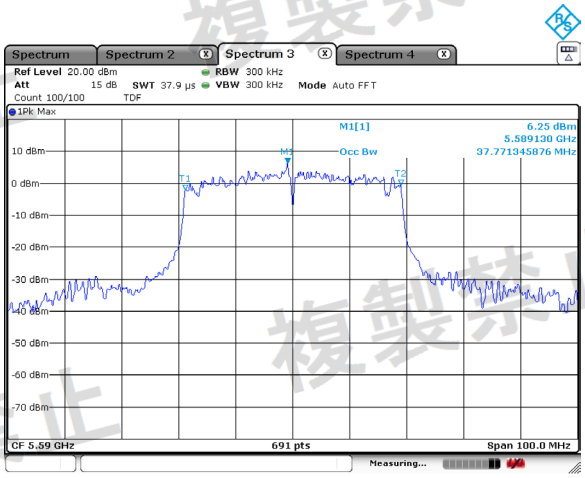


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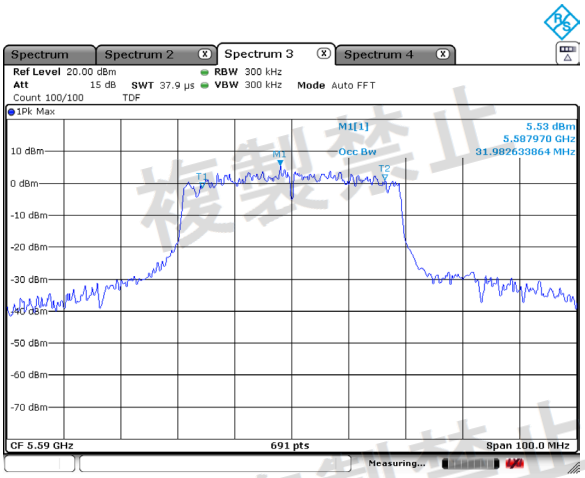
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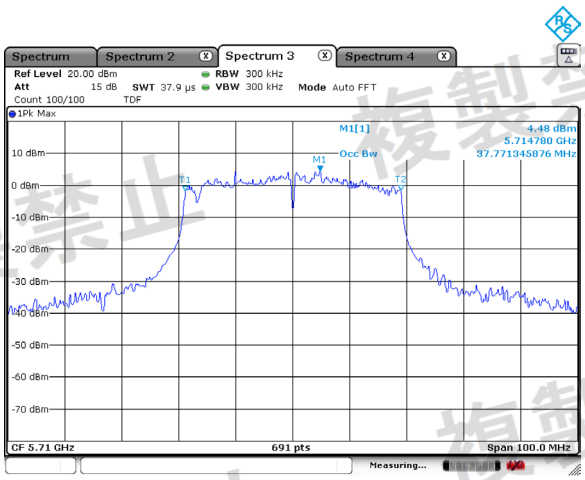
CH Middle



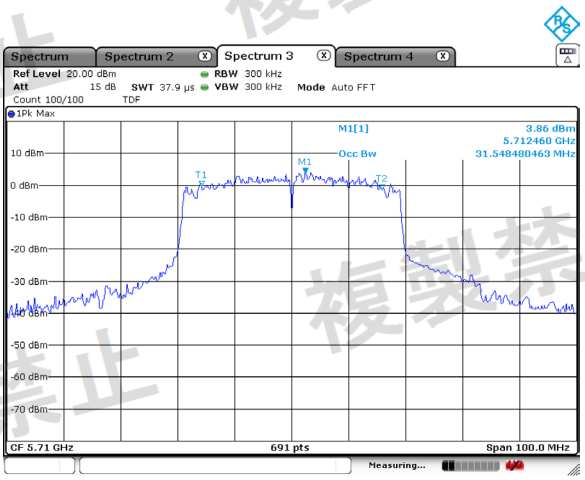
CH Middle



CH High



CH High

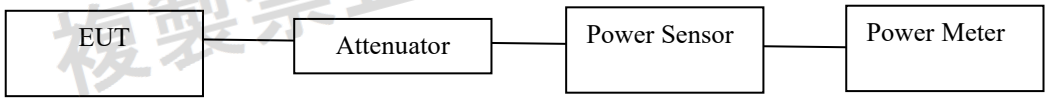


5.3 RF Output Power

5.3.1 Measurement Procedure

The transmitter output is connected to the Power meter.
Setting the EUT is operating frequency.

5.3.2 Test setup



5.3.3 Limit

10 mW/MHz or below (OFDM, DSSS)
5 mW/MHz or below (26 MHz < OBW ≤ 40 MHz)
10 mW (Others)

5.3.4 Test environment conditions

• Ambient temperature : (20 ~ 22) ℃ • Relative Humidity : (46 ~ 49) % R.H.

5.3.5 Measurement Result

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▣802.11a

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 180	-0.40	0.91	2.61	-54.5	Compliance
5 220	-0.22	0.95	2.79	-52.5	Compliance
5 240	-0.35	0.92	2.66	-54.0	Compliance
Declared power [mW/MHz]			2		
Declared EIRP [dBm/MHz]			6.02		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11n(HT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 180	2.01	1.59	5.02	-20.5	Compliance
5 220	2.06	1.61	5.07	-19.5	Compliance
5 240	2.14	1.64	5.15	-18.0	Compliance
Declared power [mW/MHz]			2		
Declared EIRP [dBm/MHz]			6.02		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11n(HT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 190	-1.01	0.79	2.00	-21.0	Compliance
5 230	-2.76	0.53	0.25	-47.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.01		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11ac(VHT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 180	1.18	1.31	4.19	-34.5	Compliance
5 220	2.05	1.60	5.06	-20.0	Compliance
5 240	2.29	1.69	5.30	-15.5	Compliance
Declared power [mW/MHz]			2		
Declared EIRP [dBm/MHz]			6.02		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11ac(VHT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 190	-1.43	0.72	1.58	-28.0	Compliance
5 230	-2.70	0.54	0.31	-46.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.01		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11ax(HE20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 180	1.83	1.52	4.84	-24.0	Compliance
5 220	1.76	1.50	4.77	-25.0	Compliance
5 240	1.48	1.41	4.49	29.5	Compliance
Declared power [mW/MHz]			2		
Declared EIRP [dBm/MHz]			6.02		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

▣802.11ax(HE40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 190	-1.32	0.74	1.69	-26.0	Compliance
5 230	-1.88	0.65	1.13	-35.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.01		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.01		

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▣802.11a

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 260	2.89	1.95	6.00	-22.0	Compliance
5 280	3.30	2.14	6.41	-14.4	Compliance
5 320	4.11	2.58	7.22	3.2	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.09		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11n(HT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 260	1.73	1.49	4.84	-40.4	Compliance
5 280	1.76	1.50	4.87	-40.0	Compliance
5 320	3.02	2.00	6.13	-20.0	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.09		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11n(HT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 270	-1.76	0.67	1.35	-33.0	Compliance
5 310	-1.44	0.72	1.67	-28.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP[dBm/MHz]			3.11		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11ac(VHT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 260	2.08	1.61	5.19	-35.6	Compliance
5 280	2.11	1.63	5.22	-34.8	Compliance
5 320	2.86	1.93	5.97	-22.8	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP[dBm/MHz]			7.09		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11ac(VHT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 270	-2.55	0.56	0.56	-44.0	Compliance
5 310	-1.83	0.66	1.28	-34.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.11		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11ax(HE20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 260	1.65	1.46	4.76	-41.6	Compliance
5 280	2.37	1.73	5.48	-30.8	Compliance
5 320	2.78	1.90	5.89	-24.0	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.09		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

▣802.11ax(HE40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 270	-0.85	0.82	2.26	-18.0	Compliance
5 310	-0.30	0.93	2.81	-7.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.11		
Tolerance limit [%]			-80 ~ 20		
Antenna gain [dBi]			3.11		

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▣802.11a

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 500	2.43	1.75	5.75	-30.0	Compliance
5 600	3.91	2.46	7.23	-1.6	Compliance
5 720	3.20	2.09	6.52	-16.4	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.30		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11n(HT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 500	1.67	1.47	4.99	-41.2	Compliance
5 600	2.55	1.80	5.87	-28.0	Compliance
5 720	2.96	1.98	6.28	-20.8	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.30		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11n(HT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 510	-2.40	0.58	0.92	-42.0	Compliance
5 590	-1.45	0.72	1.87	-28.0	Compliance
5 710	-1.71	0.67	1.61	-33.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.32		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11ac(VHT20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 500	1.13	1.30	4.45	-48.0	Compliance
5 600	2.39	1.73	5.71	-30.8	Compliance
5 720	2.73	1.87	6.05	-25.2	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.30		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11ac(VHT40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 510	-2.70	0.54	0.62	-46.0	Compliance
5 590	-1.22	0.76	2.10	-24.0	Compliance
5 710	-1.38	0.73	1.94	-27.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.32		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11ax(HE20)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 500	1.40	1.38	4.72	-44.8	Compliance
5 600	3.03	2.01	6.35	-19.6	Compliance
5 720	2.44	1.75	5.76	-30.0	Compliance
Declared power [mW/MHz]			2.5		
Declared EIRP [dBm/MHz]			7.30		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

▣802.11ax(HE40)

Frequency	Measure value		EIRP	Tolerance	Test results
[MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[%]	
5 510	-1.57	0.70	1.75	-30.0	Compliance
5 590	-0.03	0.99	3.29	-1.0	Compliance
5 710	-0.76	0.84	2.56	-16.0	Compliance
Declared power [mW/MHz]			1		
Declared EIRP [dBm/MHz]			3.32		
Tolerance limit [%]			-50 ~ 50		
Antenna gain [dBi]			3.32		

Power tolerance (%) = [(Measure value – Declared power) / Declared power] x 100

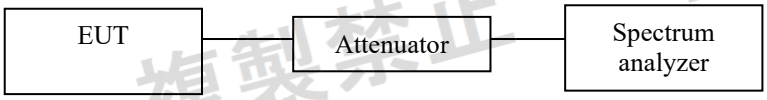
5.4 Adjacent Channel Leakage power

5.4.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

Center frequency: Operating frequency
Resolution BW: 300 kHz
Video BW: 300 kHz
Sweep time: Auto
Detector mode: Positive peak
Trace mode: Max hold

5.4.2 Test setup



5.4.3 Limit

<18 MHz < OBW ≤ 20 MHz>
CF±20 MHz ≤ 25 dBc
CF±40 MHz ≤ 40 dBc

< OBW ≤ 40 MHz>
CF±40 MHz ≤ 25 dBc
CF±80 MHz ≤ 40 dBc

5.4.4 Test environment conditions

• Ambient temperature : (20 ~ 22) ℃ • Relative Humidity : (46 ~ 49) % R.H.

5.4.5 Measurement Result

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▣802.11a

Frequency (MHz)	5 180	5 200	5 240	Limit	Test results
CF -20 MHz	-30.10	-28.99	-29.46	-25 dBc	Compliance
CF +20 MHz	-29.80	-29.40	-29.98		Compliance
CF -40 MHz	-44.66	-44.12	-44.88	-40 dBc	Compliance
CF +40 MHz	-44.40	-43.97	-44.53		Compliance

▣802.11n(HT20)

Frequency (MHz)	5 180	5 200	5 240	Limit	Test results
CF -20 MHz	-29.09	-29.94	-29.38	-25 dBc	Compliance
CF +20 MHz	-28.61	-29.58	-29.22		Compliance
CF -40 MHz	-44.71	-44.88	-45.09	-40 dBc	Compliance
CF +40 MHz	-44.58	-44.11	-44.33		Compliance

▣802.11n(HT40)

Frequency (MHz)	5 190	5 230	Limit	Test results
CF -40 MHz	-34.49	-34.38	-25 dBc	Compliance
CF +40 MHz	-33.33	-32.49		Compliance
CF -80 MHz	-50.61	-50.66	-40 dBc	Compliance
CF +80 MHz	-50.71	-50.74		Compliance

▣802.11ac(VHT20)

Frequency (MHz)	5 180	5 200	5 240	Limit	Test results
CF -20 MHz	-29.71	-29.45	-29.13	-25 dBc	Compliance
CF +20 MHz	-29.17	-28.83	-28.80		Compliance
CF -40 MHz	-44.56	-44.62	-45.05	-40 dBc	Compliance
CF +40 MHz	-44.44	-44.33	-44.79		Compliance

▣802.11ac(VHT40)

Frequency (MHz)	5 190	5 230	Limit	Test results
CF -40 MHz	-35.03	-33.94	-25 dBc	Compliance
CF +40 MHz	-32.82	-33.17		Compliance
CF -80 MHz	-51.16	-51.30	-40 dBc	Compliance
CF +80 MHz	-50.43	-50.18		Compliance

▣802.11ax(HE20)

Frequency (MHz)	5 180	5 200	5 240	Limit	Test results
CF -20 MHz	-30.50	-30.47	-30.43	-25 dBc	Compliance
CF +20 MHz	-30.94	-30.99	-30.25		Compliance
CF -40 MHz	-45.28	-44.97	-45.66	-40 dBc	Compliance
CF +40 MHz	-44.93	-44.61	-44.98		Compliance

▣802.11ax(HE40)

Frequency (MHz)	5 190	5 230	Limit	Test results
CF -40 MHz	-36.04	-36.19	-25 dBc	Compliance
CF +40 MHz	-33.91	-35.77		Compliance
CF -80 MHz	-51.06	-51.42	-40 dBc	Compliance
CF +80 MHz	-50.56	-49.89		Compliance

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▣802.11a

Frequency (MHz)	5 260	5 280	5 320	Limit	Test results
CF -20 MHz	-29.65	-30.00	-30.08	-25 dBc	Compliance
CF +20 MHz	-30.82	-29.33	-29.51		Compliance
CF -40 MHz	-44.76	-45.12	-45.68	-40 dBc	Compliance
CF +40 MHz	-44.67	-44.83	-44.98		Compliance

▣802.11n(HT20)

Frequency (MHz)	5 260	5 280	5 320	Limit	Test results
CF -20 MHz	-29.06	-29.43	-29.90	-25 dBc	Compliance
CF +20 MHz	-31.05	-28.82	-29.00		Compliance
CF -40 MHz	-44.70	-45.10	-45.41	-40 dBc	Compliance
CF +40 MHz	-44.42	-44.65	-44.51		Compliance

▣802.11n(HT40)

Frequency (MHz)	5 270	5 310	Limit	Test results
CF -40 MHz	-34.18	-35.81	-25 dBc	Compliance
CF +40 MHz	-32.63	-32.28		Compliance
CF -80 MHz	-50.77	-51.99	-40 dBc	Compliance
CF +80 MHz	-49.40	-50.32		Compliance

▣802.11ac(VHT20)

Frequency (MHz)	5 260	5 280	5 320	Limit	Test results
CF -20 MHz	-29.14	-29.41	-30.55	-25 dBc	Compliance
CF +20 MHz	-29.27	-29.30	-29.38		Compliance
CF -40 MHz	-44.52	-44.98	-45.58	-40 dBc	Compliance
CF +40 MHz	-44.09	-43.87	-45.24		Compliance

▣802.11ac(VHT40)

Frequency (MHz)	5 270	5 310	Limit	Test results
CF -40 MHz	-34.27	-33.51	-25 dBc	Compliance
CF +40 MHz	-34.06	-33.18		Compliance
CF -80 MHz	-50.64	-51.65	-40 dBc	Compliance
CF +80 MHz	-50.28	-49.02		Compliance

▣802.11ax(HE20)

Frequency (MHz)	5 260	5 280	5 320	Limit	Test results
CF -20 MHz	-30.72	-30.75	-29.75	-25 dBc	Compliance
CF +20 MHz	-29.60	-30.93	-30.86		Compliance
CF -40 MHz	-45.18	-46.02	-46.33	-40 dBc	Compliance
CF +40 MHz	-44.94	-45.50	-44.90		Compliance

▣802.11ax(HE40)

Frequency (MHz)	5 270	5 310	Limit	Test results
CF -40 MHz	-36.80	-36.65	-25 dBc	Compliance
CF +40 MHz	-35.00	-35.72		Compliance
CF -80 MHz	-51.57	-52.17	-40 dBc	Compliance
CF +80 MHz	-49.84	-50.37		Compliance

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▣802.11a

Frequency (MHz)	5 500	5 600	5 720	Limit	Test results
CF -20 MHz	-29.24	-29.82	-29.51	-25 dBc	Compliance
CF +20 MHz	-29.62	-29.39	-29.11		Compliance
CF -40 MHz	-44.96	-45.50	-45.08	-40 dBc	Compliance
CF +40 MHz	-44.48	-44.54	-44.32		Compliance

▣802.11n(HT20)

Frequency (MHz)	5 500	5 600	5 720	Limit	Test results
CF -20 MHz	-29.26	-29.64	-29.38	-25 dBc	Compliance
CF +20 MHz	-29.10	-28.80	-28.93		Compliance
CF -40 MHz	-44.72	-45.87	-44.92	-40 dBc	Compliance
CF +40 MHz	-44.47	-44.49	-44.66		Compliance

▣802.11n(HT40)

Frequency (MHz)	5 510	5 590	5 710	Limit	Test results
CF -40 MHz	-34.93	-34.73	-35.73	-25 dBc	Compliance
CF +40 MHz	-32.21	-33.68	-33.64		Compliance
CF -80 MHz	-51.20	-51.34	-51.61	-40 dBc	Compliance
CF +80 MHz	-49.85	-49.36	-49.72		Compliance

▣802.11ac(VHT20)

Frequency (MHz)	5 500	5 600	5 720	Limit	Test results
CF -20 MHz	-29.98	-29.13	-29.26	-25 dBc	Compliance
CF +20 MHz	-29.39	-28.85	-29.37		Compliance
CF -40 MHz	-44.91	-45.03	-45.09	-40 dBc	Compliance
CF +40 MHz	-44.41	-44.80	-44.53		Compliance

▣802.11ac(VHT40)

Frequency (MHz)	5 510	5 590	5 710	Limit	Test results
CF -40 MHz	-34.97	-33.69	-31.71	-25 dBc	Compliance
CF +40 MHz	-33.14	-32.18	-33.52		Compliance
CF -80 MHz	-51.01	-50.48	-50.72	-40 dBc	Compliance
CF +80 MHz	-49.91	-49.04	-49.27		Compliance

▣802.11ax(HE20)

Frequency (MHz)	5 500	5 600	5 720	Limit	Test results
CF -20 MHz	-30.64	-31.02	-32.47	-25 dBc	Compliance
CF +20 MHz	-31.48	-29.70	-29.84		Compliance
CF -40 MHz	-45.24	-46.28	-46.36	-40 dBc	Compliance
CF +40 MHz	-45.00	-45.41	-44.88		Compliance

▣802.11ax(HE40)

Frequency (MHz)	5 510	5 590	5 710	Limit	Test results
CF -40 MHz	-35.95	-37.50	-34.79	-25 dBc	Compliance
CF +40 MHz	-35.62	-33.33	-34.50		Compliance
CF -80 MHz	-51.53	-51.51	-51.69	-40 dBc	Compliance
CF +80 MHz	-49.92	-49.76	-49.37		Compliance

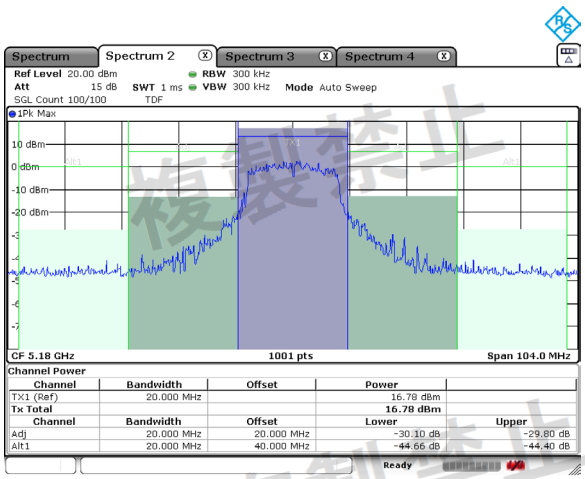
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5.4.6 Test Plot

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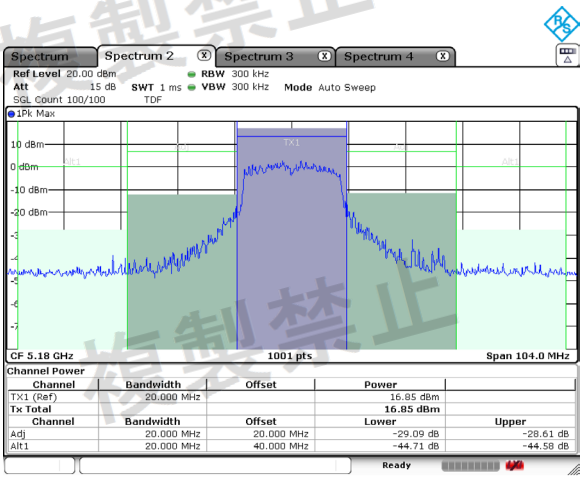
▣802.11a

CH Low

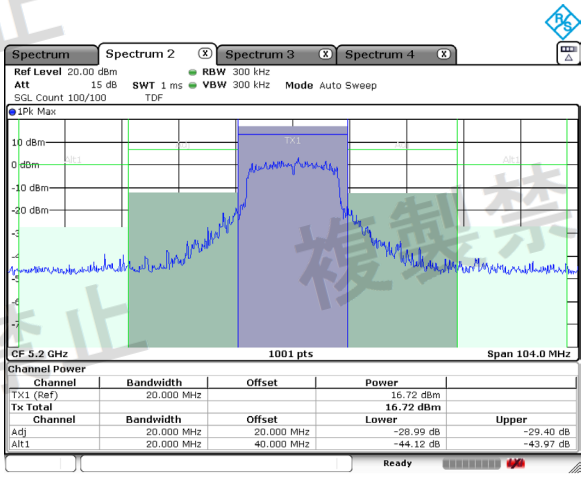


▣802.11n(HT20)

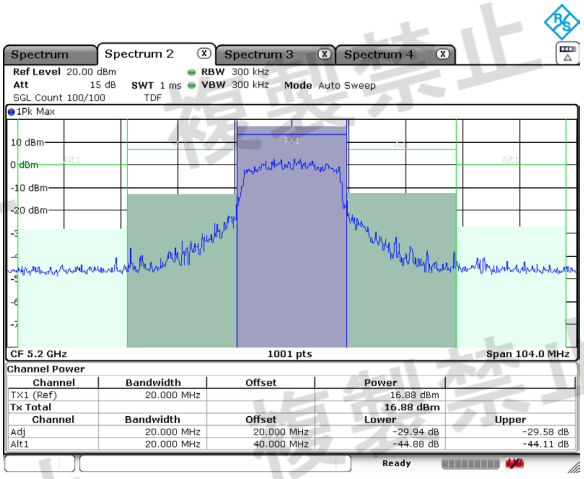
CH Low



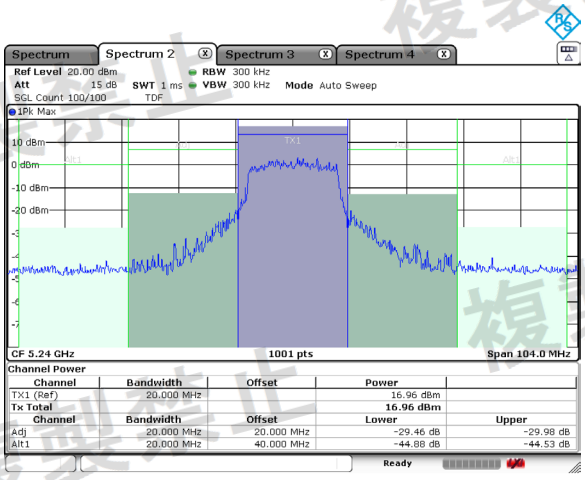
CH Middle



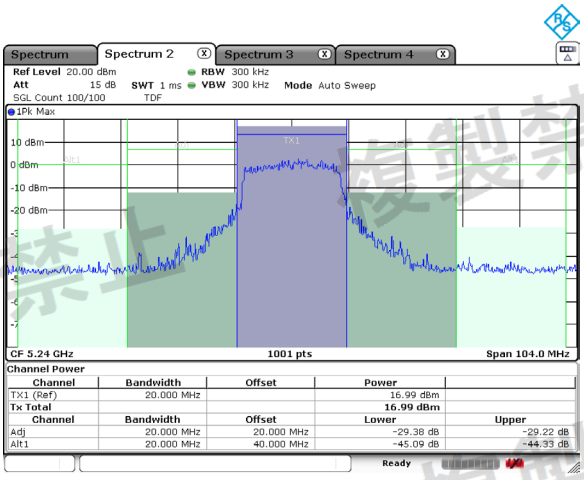
CH Middle



CH High

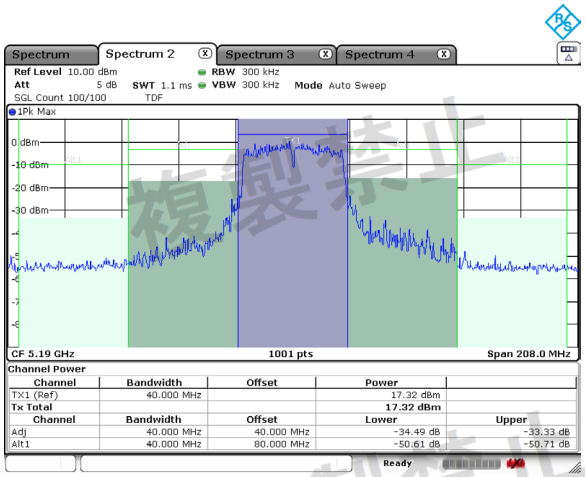


CH High

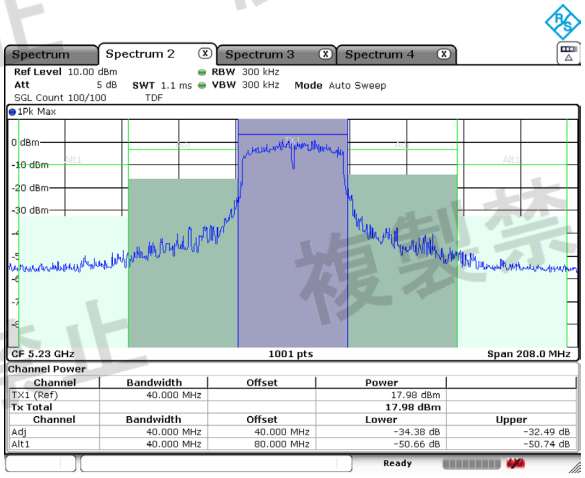


▣802.11n(HT40)

CH Low

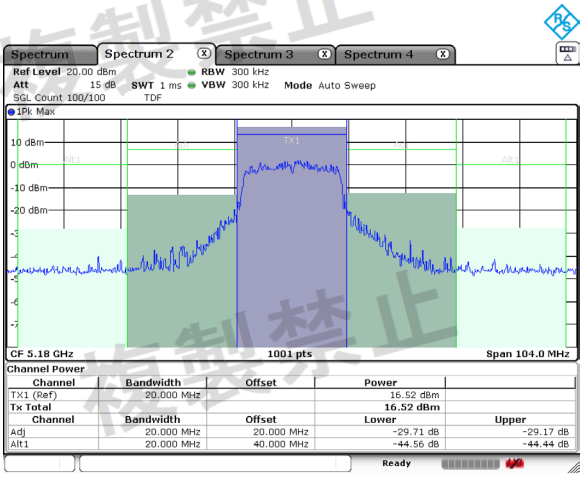


CH High

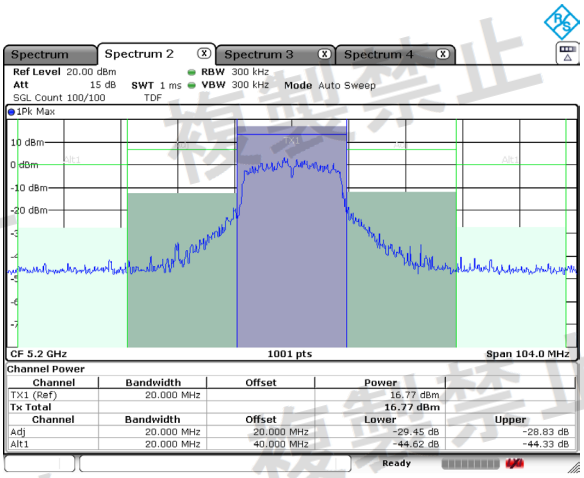


▣802.11ac(VHT20)

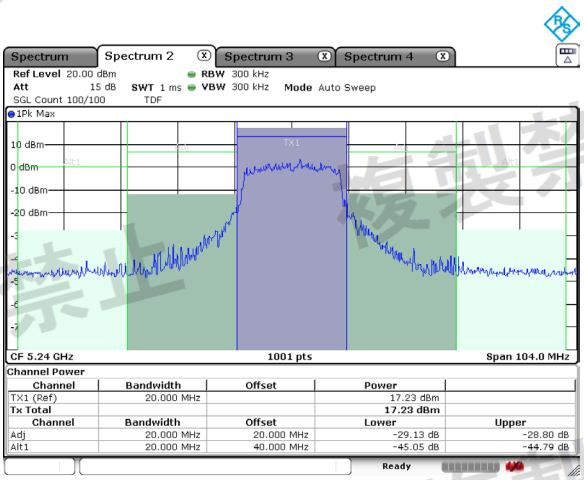
CH Low



CH Middle

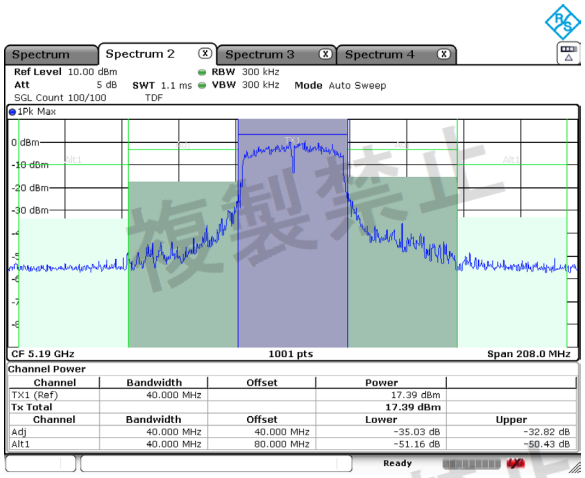


CH High

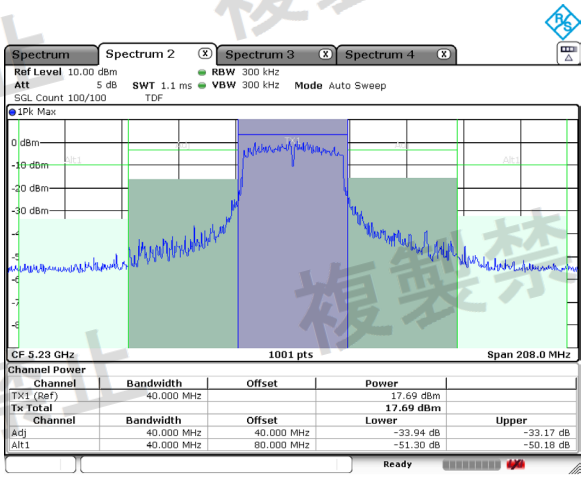


▣802.11ac(VHT40)

CH Low



CH High

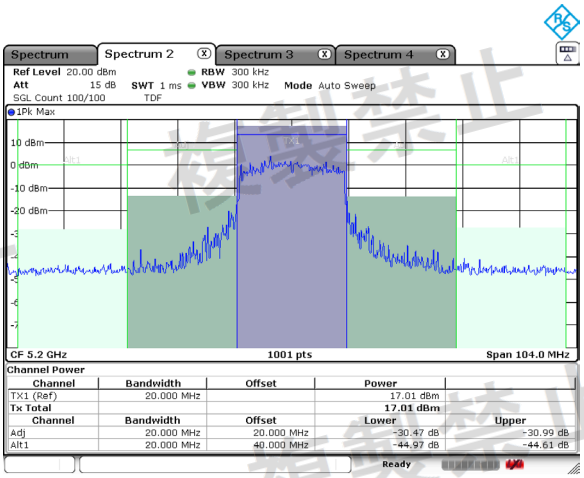


▣802.11ax(HE20)

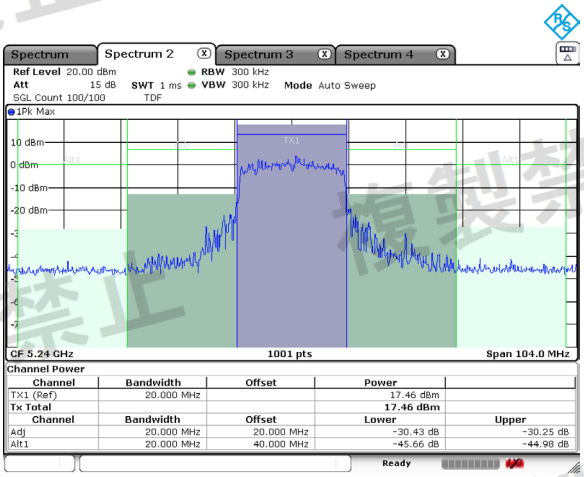
CH Low



CH Middle



CH High



■802.11ax(HE40)

CH Low



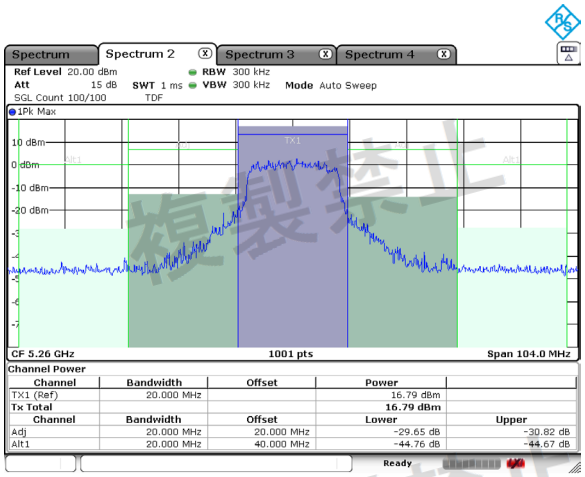
CH High



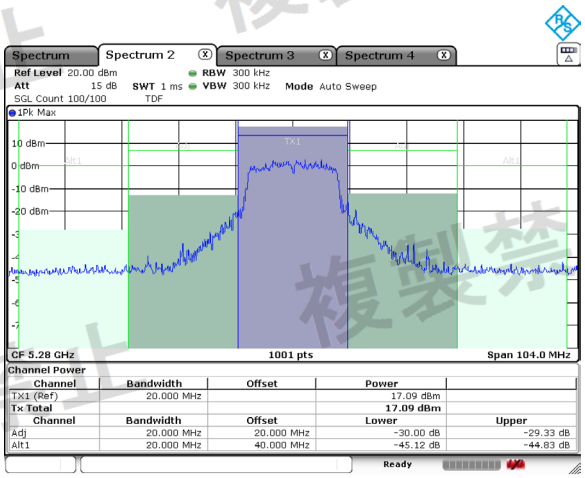
■W53

▣802.11a

CH Low



CH Middle



CH High

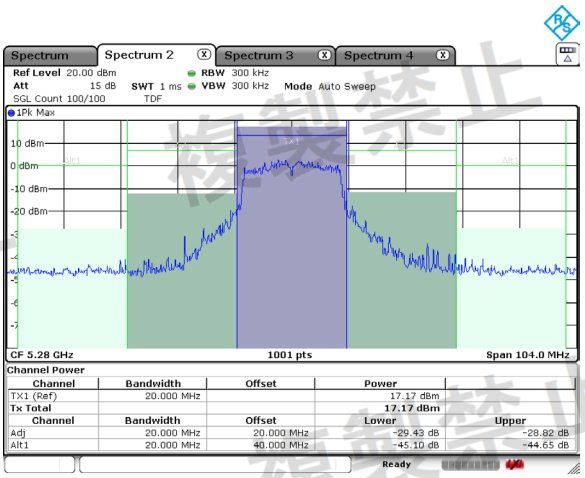


▣802.11n(HT20)

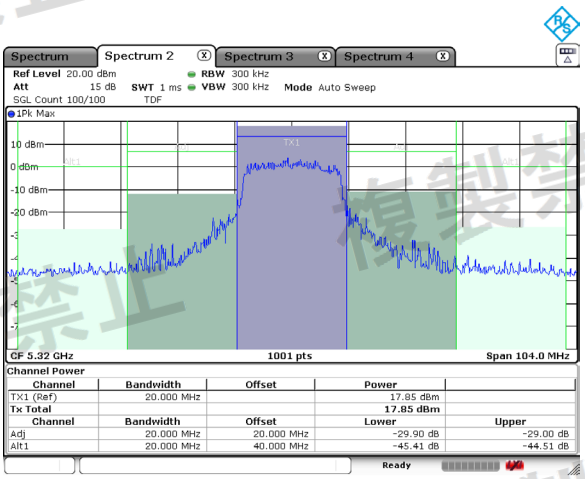
CH Low



CH Middle

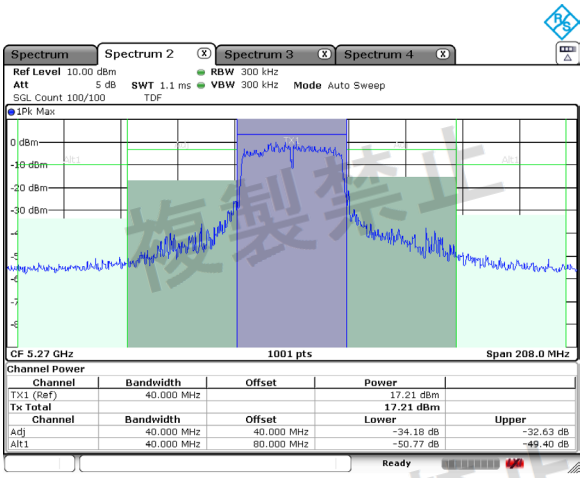


CH High

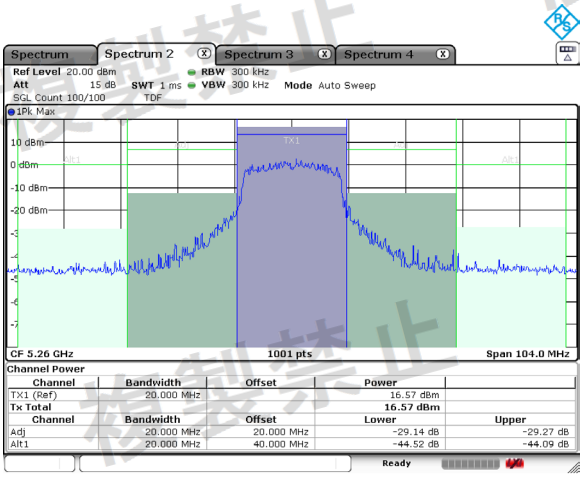


▣802.11n(HT40)

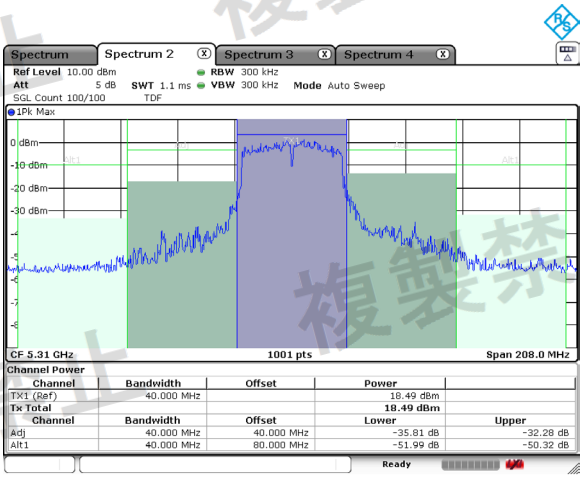
CH Low



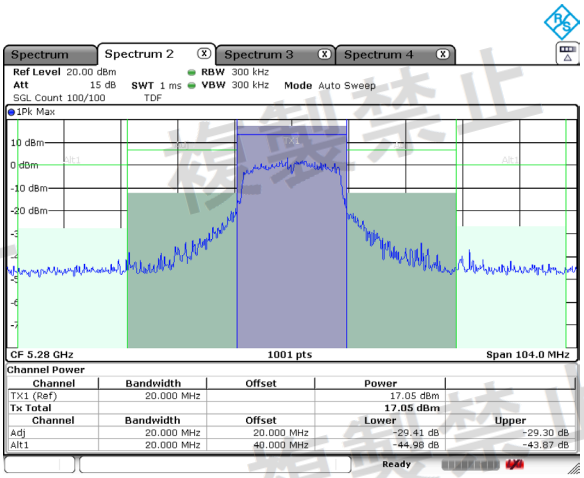
CH Middle



CH High



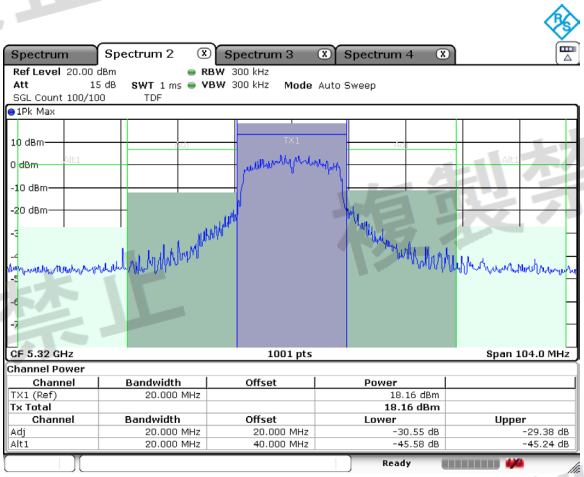
CH Middle



▣802.11ac(VHT20)

CH Low

CH High

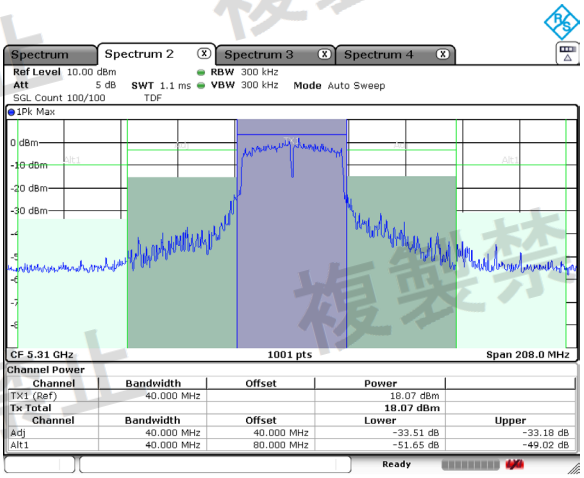


▣802.11ac(VHT40)

CH Low



CH High

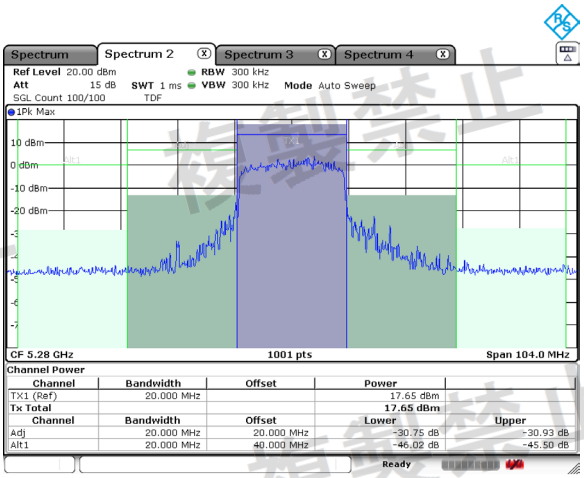


▣802.11ax(HE20)

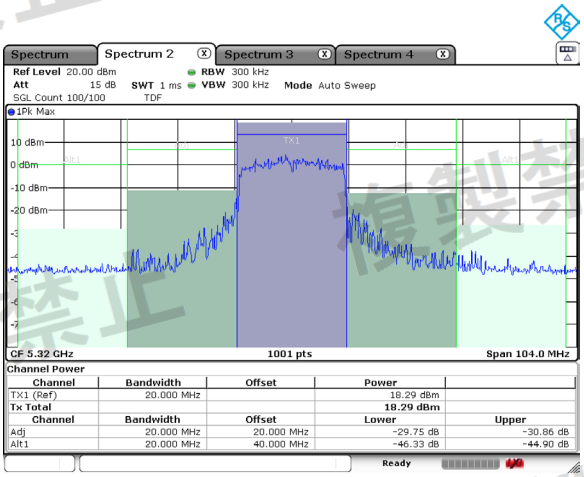
CH Low



CH Middle



CH High

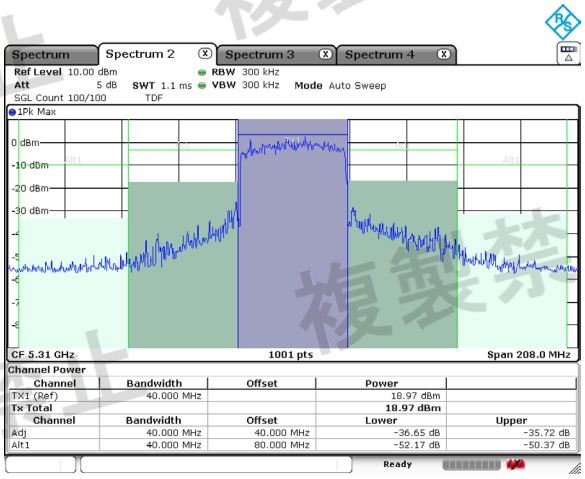


▣802.11ax(HE40)

CH Low



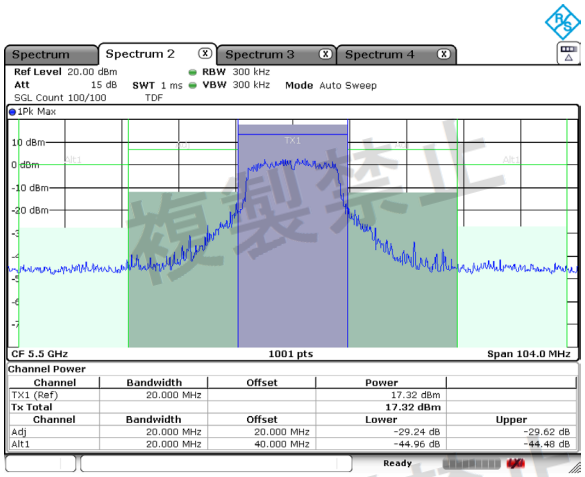
CH High



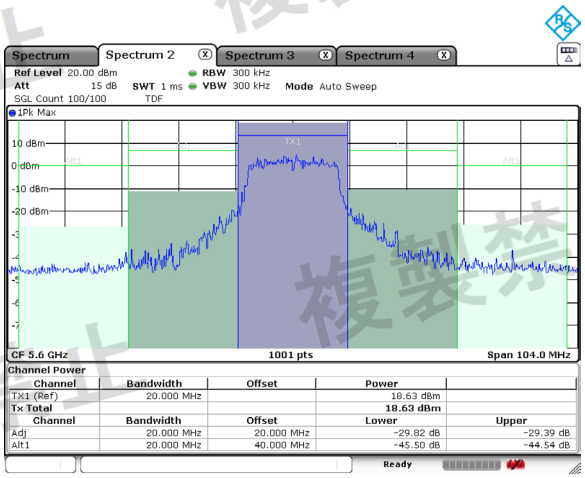
■W56

▣802.11a

CH Low



CH Middle

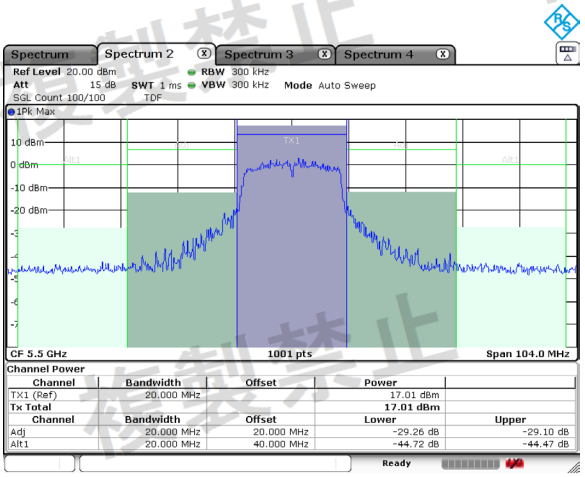


CH High

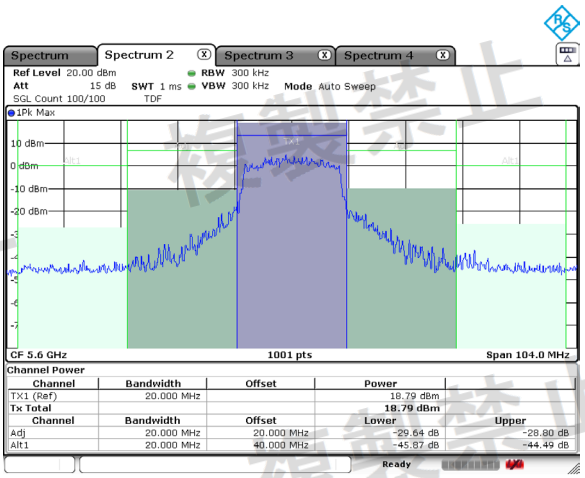


▣802.11n(HT20)

CH Low



CH Middle



CH High

