

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19
Report No.: RJCYN-WTW-P26030470-1
Product: Wireless Headset
Brand: Corsair
Model No.: RDA0059
Received Date: 2026/3/17
Test Date: 2026/3/24 ~ 2026/3/31
Issued Date: 2026/4/28
Applicant: Corsair Memory, Inc.
Address: 115 North McCarthy Blvd, Milpitas, CA 95035, USA
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Approved by:

Jeremy Lin

Date:

2026/4/28

Jeremy Lin / Project Engineer

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Prepared by : Jessica Cheng / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RJCYJN-WTW-P26030470-1	Original release.	2026/4/28

1 Certificate

Product: Wireless Headset

Brand: Corsair

Test Model: RDA0059

Sample Status: Engineering sample

Applicant: Corsair Memory, Inc.

Test Date: 2026/3/24 ~ 2026/3/31

Standard: Certification Ordinance Article 2-1-19

Measurement procedure: MIC notice 88 Appendix 43

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Certification Ordinance Article 2-1-19		
Clause	Test Item	Result
OR: Article 5 OR: Annex 1 table 7-8	Frequency Tolerance	Pass
OR: Article 6 Annex 2.30	Occupied Bandwidth	Pass
OR: Article 7. Annex 3.26	Spurious Emissions	Pass
OR: Article 49-20	Antenna Specifications	Pass
OR: Article 24.2	Spurious Emissions of Receiver	Pass
OR: Article 49-20	Housing Requirements	Pass (Refer to Note 1)
OR: Article 49-20	Antenna Power	Pass
OR: Article 49-20	Absolute Gain of Transmitting Antenna	Pass
OR: Article 49-20	Angular Width of Principal Radiation (AWPR)	N/A
OR: Article 49-20	Number of Carriers within 1 MHz Bandwidth in OFDM	N/A
OR: Article 49-20	Dwell Time (FH employed)	N/A
OR: Article 9-4.5 RE: Article 6-2.3 RE: Article 6-2.5	Interference Prevention Function	Pass
OR: Article 49-20	Carrier Sense Capability	N/A

Notes:

1. The relative information refer section 3.1 of this report.
2. OR: Ordinance Regulating Radio Equipment
3. RE: Regulations for Enforcement of the radio law
4. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in ETSI TR 100 028-1 and ETSI TR 100 028-2:

Parameter	Uncertainty (±)
Occupied Bandwidth	960 Hz
Spurious Emissions	2.7 dB
Output Power Density	1.3 dB
Frequency Tolerance	97.75 Hz

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description

Product	Wireless Headset
Brand	Corsair
Test Model	RDA0059
Test Software Version	BT:ATS303X_FCC_V1.0_20230308,SRD:ATS303X_FCC_2_4_G_V3.0_20260320
Status of EUT	Engineering sample
Power Supply Rating	5Vdc from host equipment & 3.7Vdc from battery
Modulation Type	GFSK
Modulation Technology	DTS
Transfer Rate	Up to 2 Mbps
Operating Frequency	2.402 GHz ~ 2.48 GHz
Number of Channel	40
Housing Requirements	Particular screw and separating the housing was only possible by special tools.

Note:

1. The EUT uses following accessories.

Item	Specification
Type C - USB A cable	Shielded without core, 1.8m

2. There are Bluetooth and SRD technology used for the EUT.
3. Bluetooth and SRD technology can not transmit at same time.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 Output Power Description of EUT

Operation Mode	Rated Output Power (mW)	Maximum Conducted RF Output Power (mW)	Maximum Radiated RF Output Power (mW)
SRD 1M	8	7.413	8.318
SRD 2M	8	7.244	8.128

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Gain (dBi)	Antenna Type	Connector Type
0.5	Chip	none

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. Antenna Pattern:

Please refer to the attached file (Antenna pattern).

3.4 Channel List

40 channels are provided for EUT:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.5 Power Setting

Power Setting		
Channel	SRD-1M	SRD-2M
0	0	0
19	0	0
39	0	0

3.6 Test Mode Applicability and Tested Channel Detail

Test Conditions	Voltage (Vdc)
V_{normal}	5
$V_{max.}$	5.5
$V_{min.}$	4.5

Pre-Scan:	1.For Antenna Power has EUT Only /Connect the EUT to the DC Power Supply with a USB cable mode. Pre-scan these modes and find the worst case as a representative test condition.
Worst Case:	1.For Antenna Power: Connect the EUT to the DC Power Supply with a USB cable mode is the worst test configuration.

Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Tolerance	SRD 1M	0, 19, 39	unmodulated	-
Occupied Bandwidth	SRD 1M	0, 19, 39	GFSK	1Mb/s
	SRD 2M	0, 19, 39	GFSK	2Mb/s
Spurious Emissions	SRD 1M	0, 19, 39	GFSK	1Mb/s
	SRD 2M	0, 19, 39	GFSK	2Mb/s
Spurious Emissions of Receiver	SRD 1M	0, 19, 39	-	-
Antenna Power	SRD 1M	0, 19, 39	GFSK	1Mb/s
	SRD 2M	0, 19, 39	GFSK	2Mb/s
Interference Prevention Function	Normal Operation			

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Frequency Tolerance

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Digital Multimeter Fluke	8050A	4660081	2025/6/6	2026/6/5	ETC	(c)
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22	BV CPS E&E	(d)
HV Probe Fluke	80K-40HV	9606869	2025/6/10	2026/6/9	ETC	(c)
Programmable DC Power Supply IDRC	DSP80-180WE	701217	Note 2	Note 2	BV CPS E&E	(d)
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23	ETC	(c)
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30	ETC	(c)
Software	BVADT_RF_Test_Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - 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 other equipment that listed above from a) to c).
- The power supply no evaluation calibrated, which used the FLUKE meter to verify before each testing.
- The test was performed in LK - Oven (Linkou).
- Tested Date: 2026/3/24

4.2 Occupied Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.3 Spurious Emissions

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 Spurious Emissions of Receiver

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Antenna Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Digital Multimeter Fluke	8050A	4660081	2025/6/6	2026/6/5	ETC	(c)
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22	BV CPS E&E	(d)
HV Probe Fluke	80K-40HV	9606869	2025/6/10	2026/6/9	ETC	(c)
Programmable DC Power Supply IDRC	DSP80-180WE	701217	Note 2	Note 2	BV CPS E&E	(d)
Pulse Power Sensor Anritsu	MA2411B	1339443	2025/5/28	2026/5/27	ETC	(c)
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2	ETC	(c)
Wideband Power Sensor Keysight	N1923A	MY58020002	2026/1/26	2027/1/25	ETC	(c)

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - 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 other equipment that listed above from a) to c).
- The power supply no evaluation calibrated, which used the FLUKE meter to verify before each testing.
- The test was performed in LK - Oven (Linkou).
- Tested Date: 2026/3/24

4.6 Interference Prevention Function

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22	BV CPS E&E	(d)
Wireless Connectivity Tester R&S	CMW270	101075	2025/7/14	2026/7/13	ETC	(c)

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - 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 other equipment that listed above from a) to c).
- The test was performed in LK - Adaptivity (Linkou).
- Tested Date: 2026/3/31

5 Limits of Test Items

5.1 Frequency Tolerance

Tolerance of frequency shall be +/- 50ppm.

5.2 Occupied Bandwidth

Modulation Method	Limit
DSSS	<26 MHz
OFDM	<26 MHz
	26 – 40 MHz
FHSS	<83.5 MHz
Other Digital	<26 MHz

5.3 Spurious Emissions

Frequencies	Limit
Operating frequency 2400 to 2483.5 MHz	
30.0 MHz to 1000.0 MHz	$\leq 0.25 \text{ uW}/100 \text{ kHz}$
1000.0 MHz to 2387 MHz	$\leq 2.5 \text{ uW}/\text{MHz}$
2387.0 MHz to 2400.0 MHz	$\leq 25 \text{ uW}/\text{MHz}$
2483.5 MHz to 2496.5 MHz	$\leq 25 \text{ uW}/\text{MHz}$
2496.5 MHz to 12500.0 MHz	$\leq 2.5 \text{ uW}/\text{MHz}$

5.4 Spurious Emissions of Receiver

Frequencies	Limit
Below 1 GHz	$\leq 4 \text{ nW}$
Above 1 GHz	$\leq 20 \text{ nW}$

5.5 Antenna Power

Modulation System	Frequency Band Used	Antenna Power (Max.)	E.I.R.P. Limit (Note 3)
DSSS	2400 – 2483.5 MHz	10 mW/MHz	12.14 dBm/MHz ~ 22.14 dBm/MHz (16.368 mW/MHz ~ 163.68 mW/MHz)
OFDM (Note 1)	2400 – 2483.5 MHz	10 mW/MHz	12.14 dBm/MHz ~ 22.14 dBm/MHz (16.368 mW/MHz ~ 163.68 mW/MHz)
OFDM (Note 2)	2400 – 2483.5 MHz	5 mW/MHz	9.13 dBm/MHz ~ 19.13 dBm/MHz (8.184 mW/MHz ~ 81.84 mW/MHz)
FHSS	2400 – 2483.5 MHz	3 mW/MHz	6.91 dBm/MHz ~ 16.91 dBm/MHz (4.91 mW/MHz ~ 49.10 mW/MHz)
Other Digital	2400 – 2483.5 MHz	10 mW	12.14 dBm ~ 22.14 dBm (16.368 mW ~ 163.68 mW)

Notes:

- Occupied bandwidth is less than 26 MHz.
- Occupied bandwidth is more than 26 MHz and less than 40 MHz.
- E.I.R.P. limit is variable by the HPBA, the HPBA (half-power beam width) of the antenna shall be $360 / A$ degrees or less, where $A = \text{E.I.R.P.} / (2.14 \text{ dBi} + \text{"Antenna Power (limit)"})$.
- Tolerance of antenna power shall be +20% (upper value).
- When an E.I.R.P. is less than 2.14 dBi + antenna power limit. The shortage can be compensated for by the antenna power. (Application to transmitting devices using "Other method" is Limited to "GFSK")

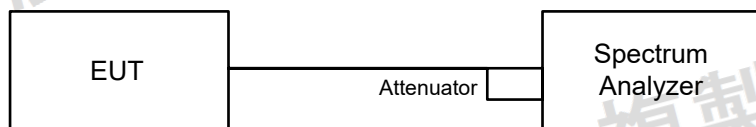
5.6 Interference Prevention Function

When conducting wireless communications that transmit data or other information: A function that automatically sends or receives an identification code.

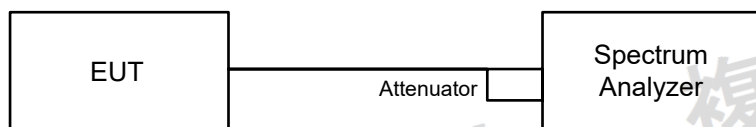
When performing radiolocation work: A function that allows you to distinguish between reflected waves of radio waves transmitted by your own station and radio waves transmitted by other radio stations by identifying the modulation method and other characteristics of received radio waves. (However, if it also has the function of transmitting signals for data transmission, both functions shall be included.)

6 Test Arrangements

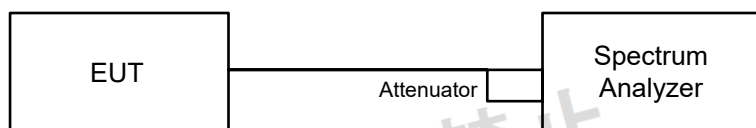
6.1 Frequency Tolerance



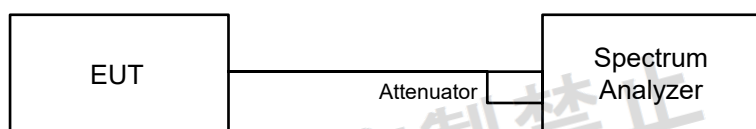
6.2 Occupied Bandwidth



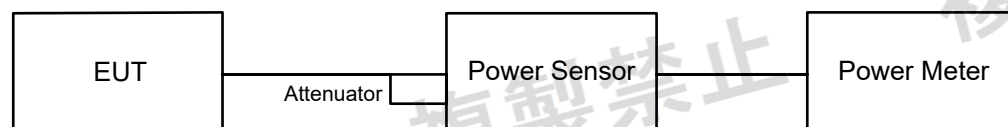
6.3 Spurious Emissions



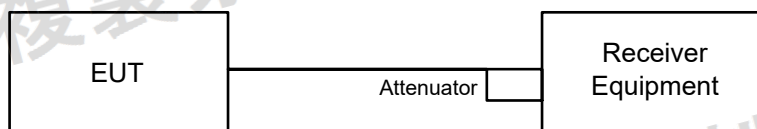
6.4 Spurious Emissions of Receiver



6.5 Antenna Power



6.6 Interference Prevention Function



7 Test Results of Test Item

7.1 Frequency Tolerance

Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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SRD 1M

Channel	Frequency (MHz)	V _{normal}		V _{max.}		V _{min.}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)
0	2402	2401.999720	-0.117	2401.999480	-0.216	2401.999320	-0.283
19	2440	2439.999119	-0.361	2439.999079	-0.377	2439.999039	-0.394
39	2480	2479.999039	-0.388	2479.998880	-0.452	2479.998879	-0.452

7.2 Occupied Bandwidth

Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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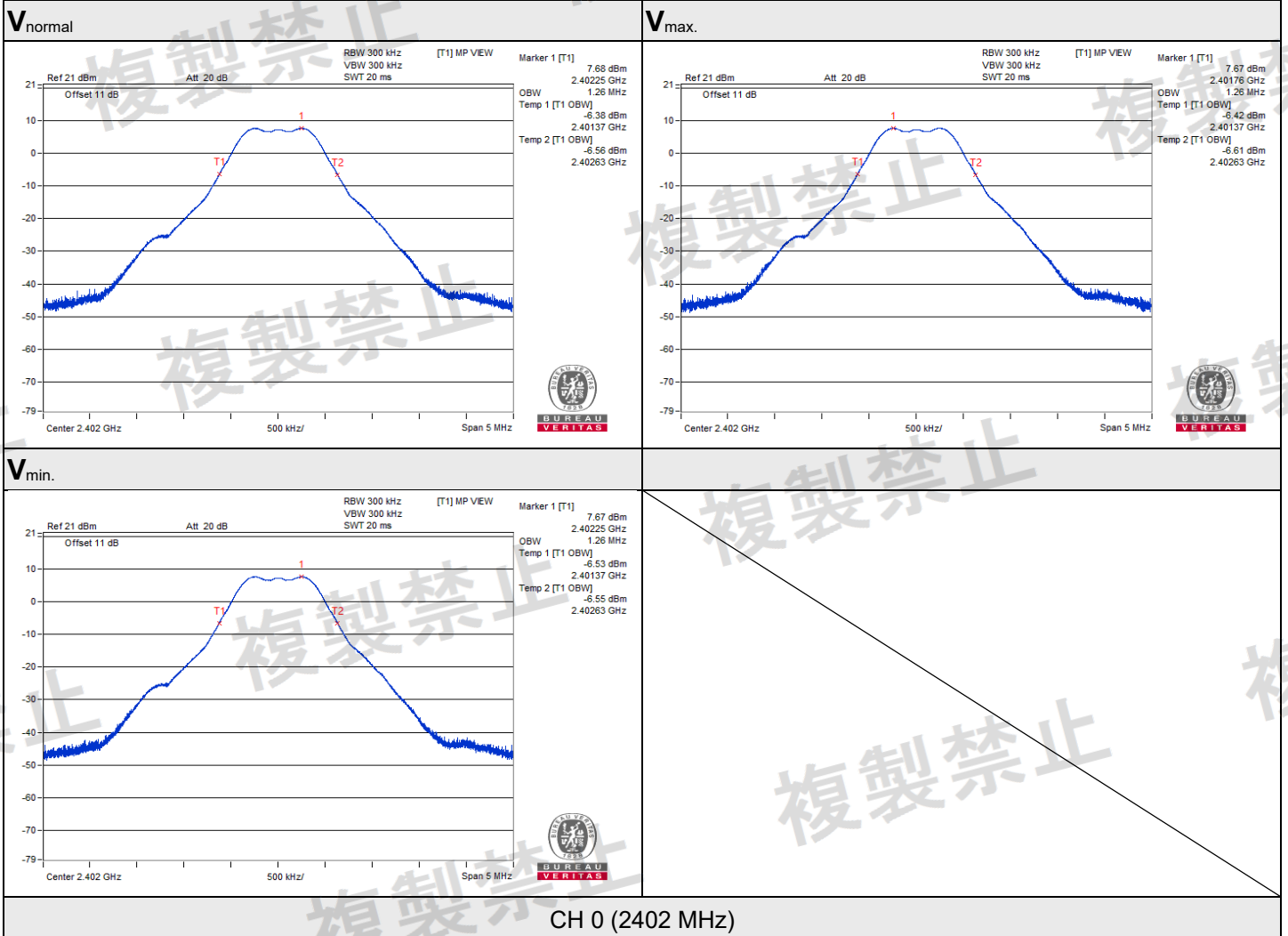
SRD 1M

Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
0	2402	1.26	1.26	1.26
19	2440	1.27	1.27	1.26
39	2480	1.26	1.26	1.26

NOTE: For the test plots please refer to the below pages.

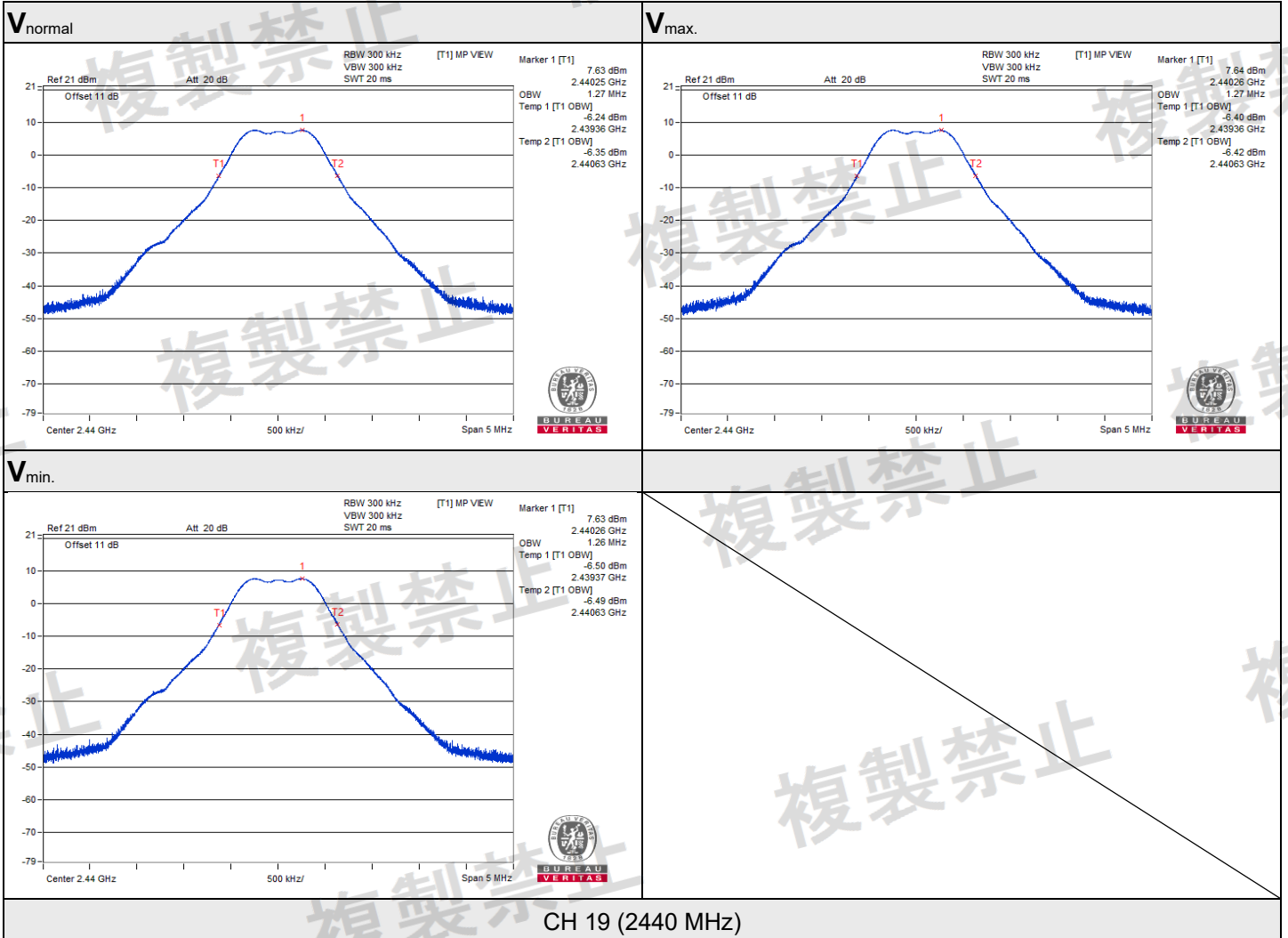


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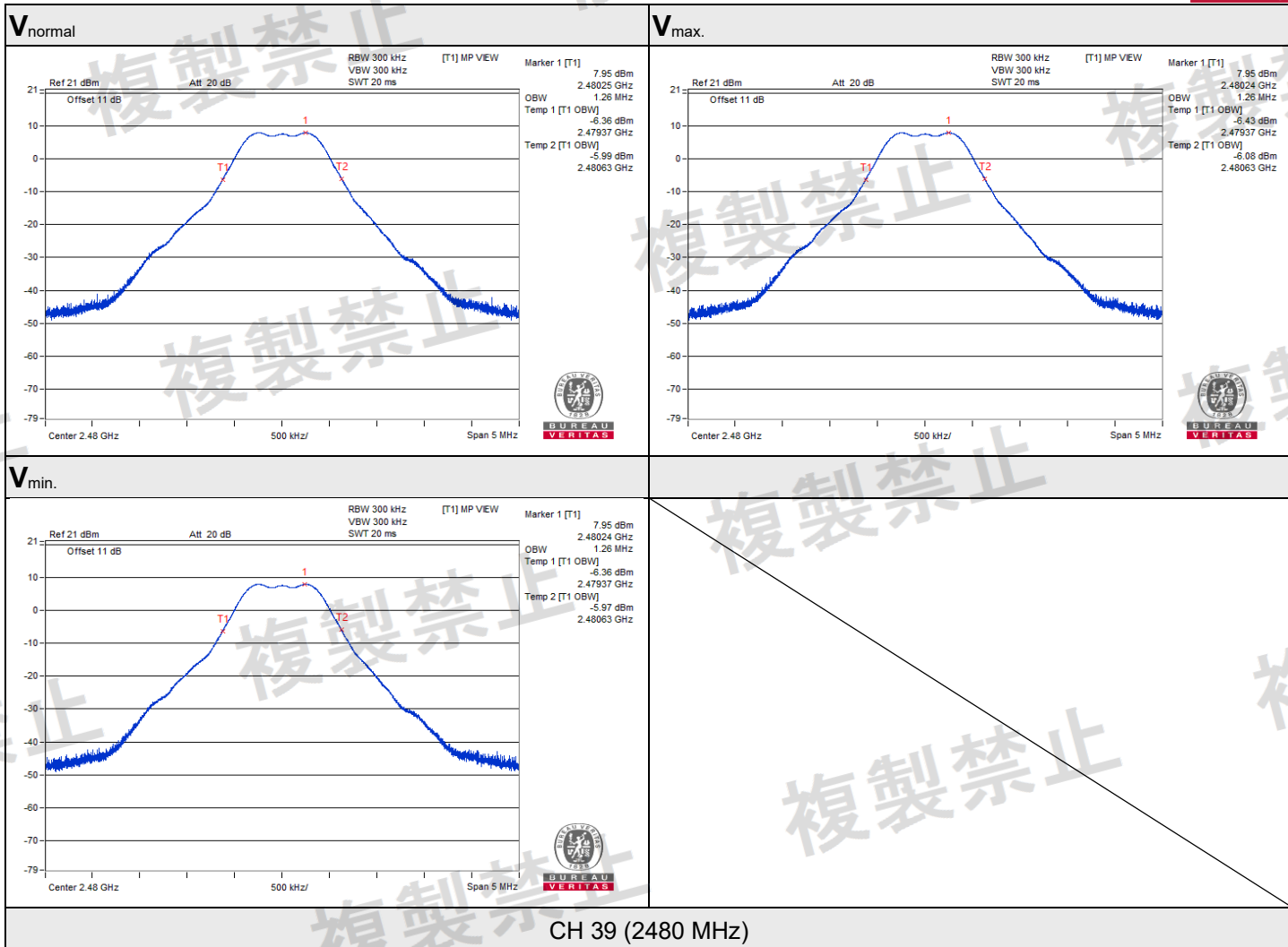


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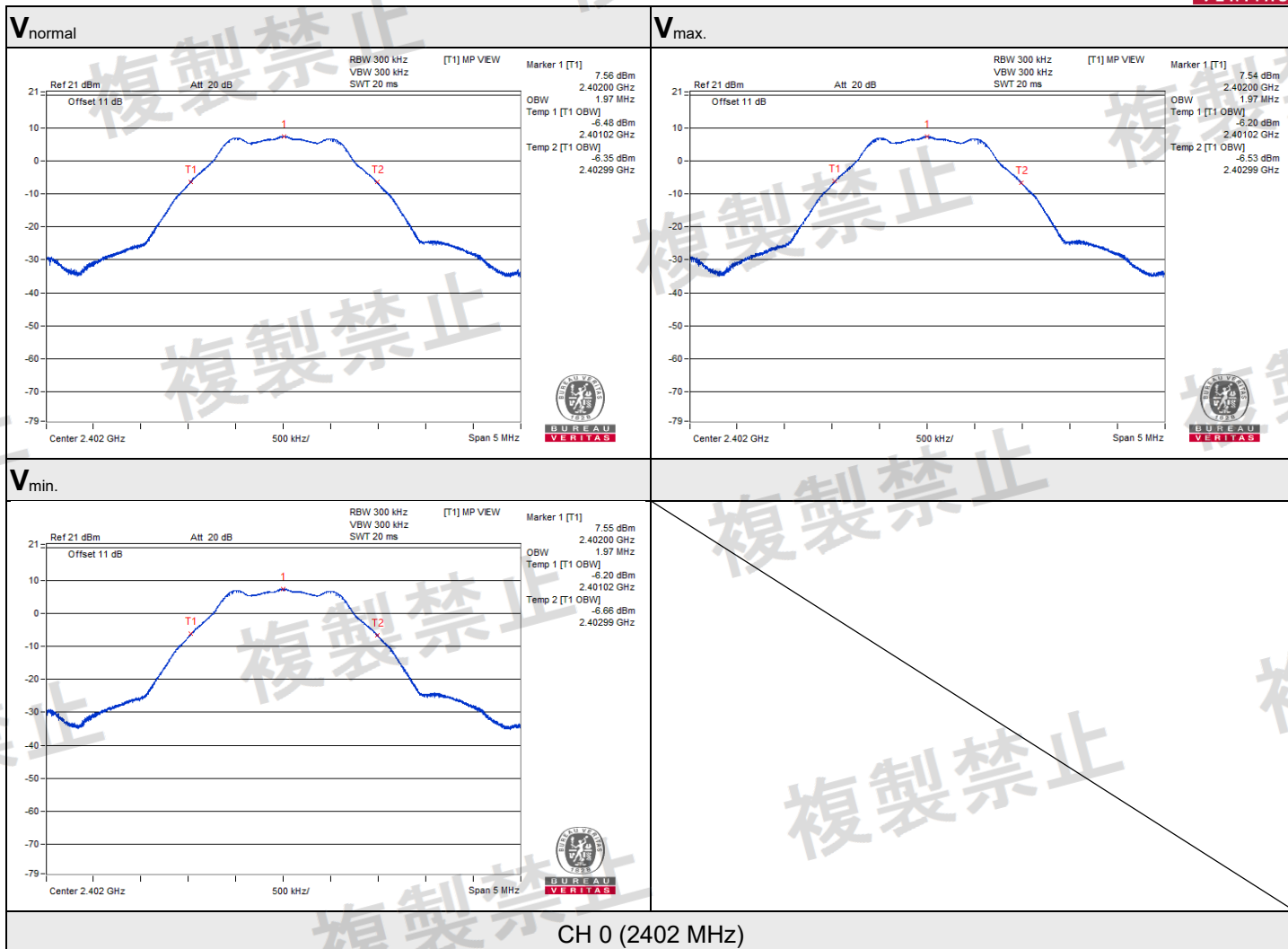
SRD 2M

Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
0	2402	1.97	1.97	1.97
19	2440	1.98	1.98	1.97
39	2480	1.96	1.96	1.96

NOTE: For the test plots please refer to the below pages.

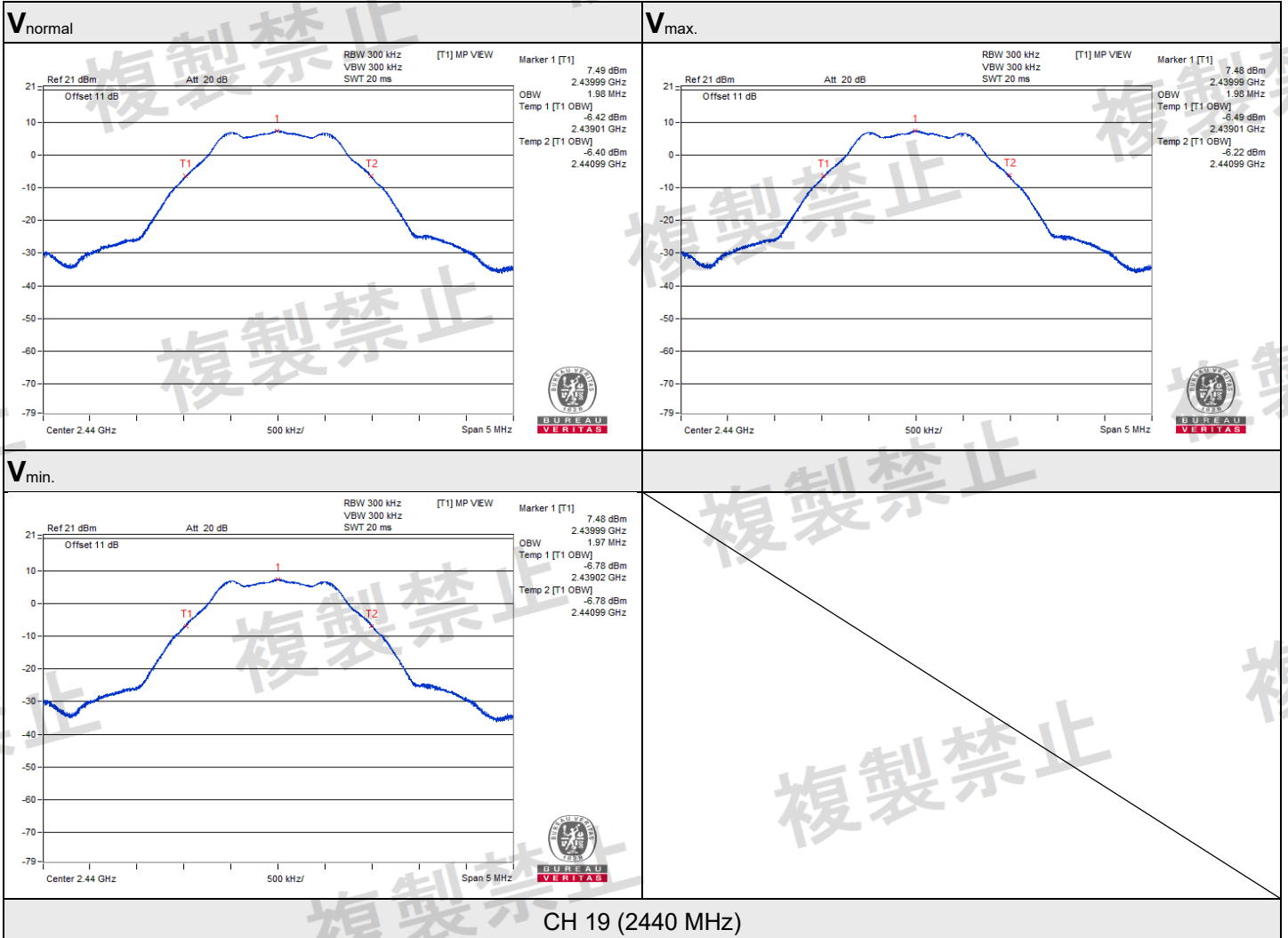


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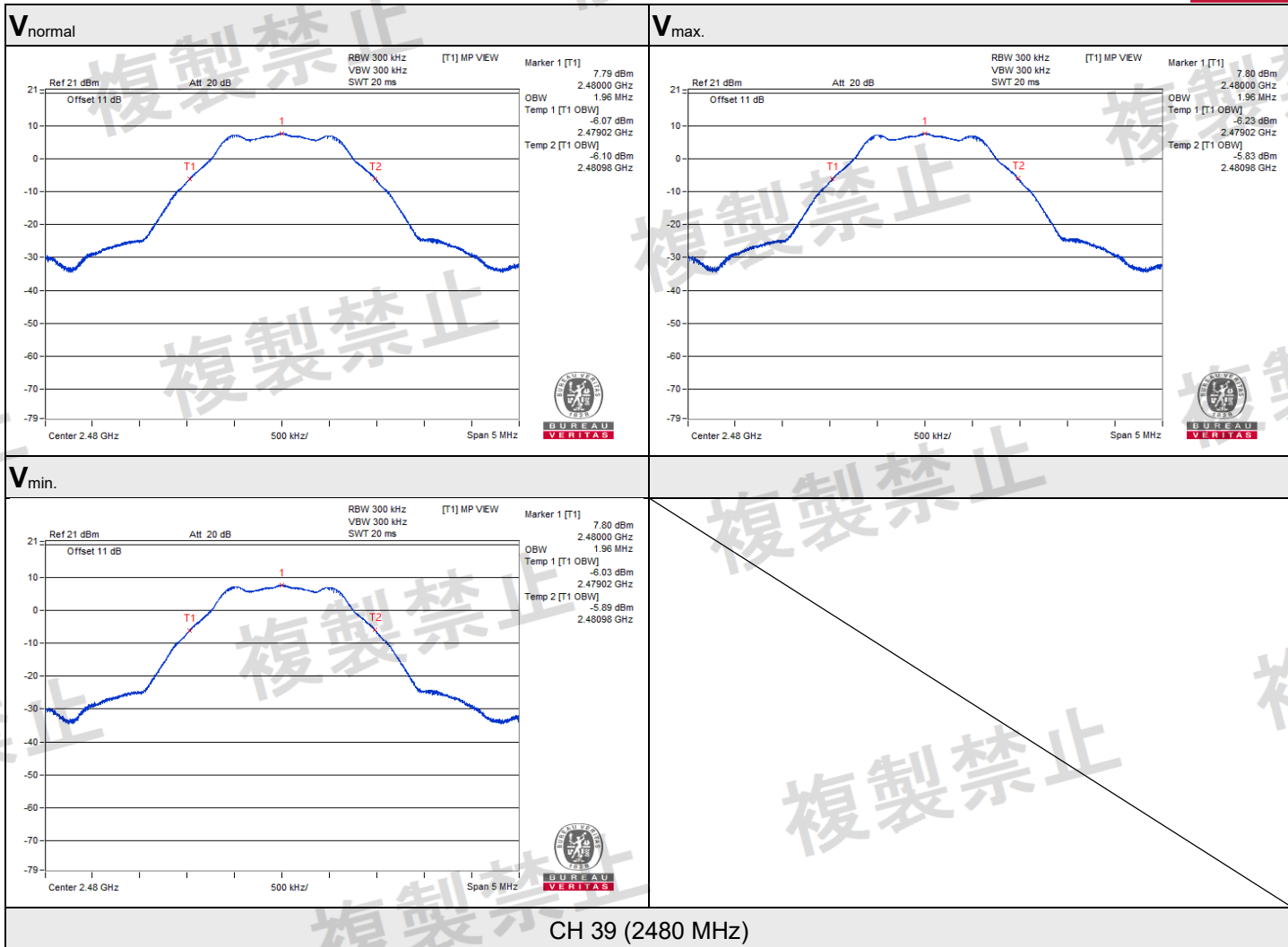


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7.3 Spurious Emissions

Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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SRD 1M

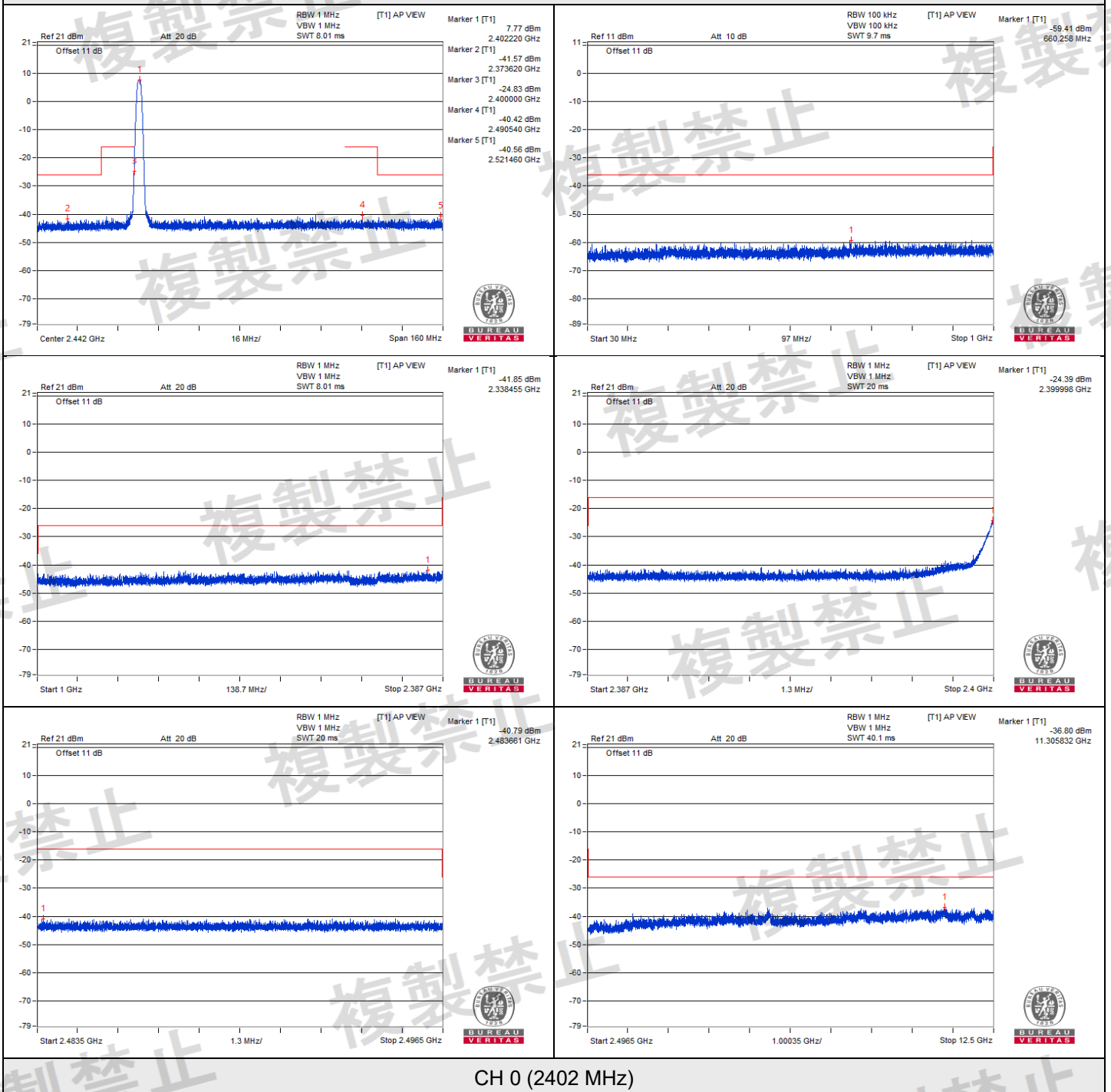
TEST CHANNEL		CH 0 (2402 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	660.258	0.001146 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2338.455	0.065313 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	3.63915 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.661	0.083368 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11305.832	0.20893 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	893.300	0.001225 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2326.839	0.100925 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.997	3.854784 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2486.290	0.097051 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10606.838	0.240436 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	394.599	0.001236 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1853.352	0.069024 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.992	4.055085 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2494.873	0.095499 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11345.846	0.219786 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 19 (2440 MHz)			
V_{normal}	30MHz to 1000MHz	873.173	0.001178 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2365.501	0.083368 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2393.760	0.078343 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2486.225	0.098175 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	9290.127	0.225424 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	743.314	0.001079 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1464.645	0.066374 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2395.908	0.077446 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2487.241	0.110917 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11332.091	0.256448 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	901.181	0.001122 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1671.481	0.073114 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2389.259	0.088308 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.522	0.103753 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11240.809	0.236048 uW/MHz	2.5 uW/MHz	PASS



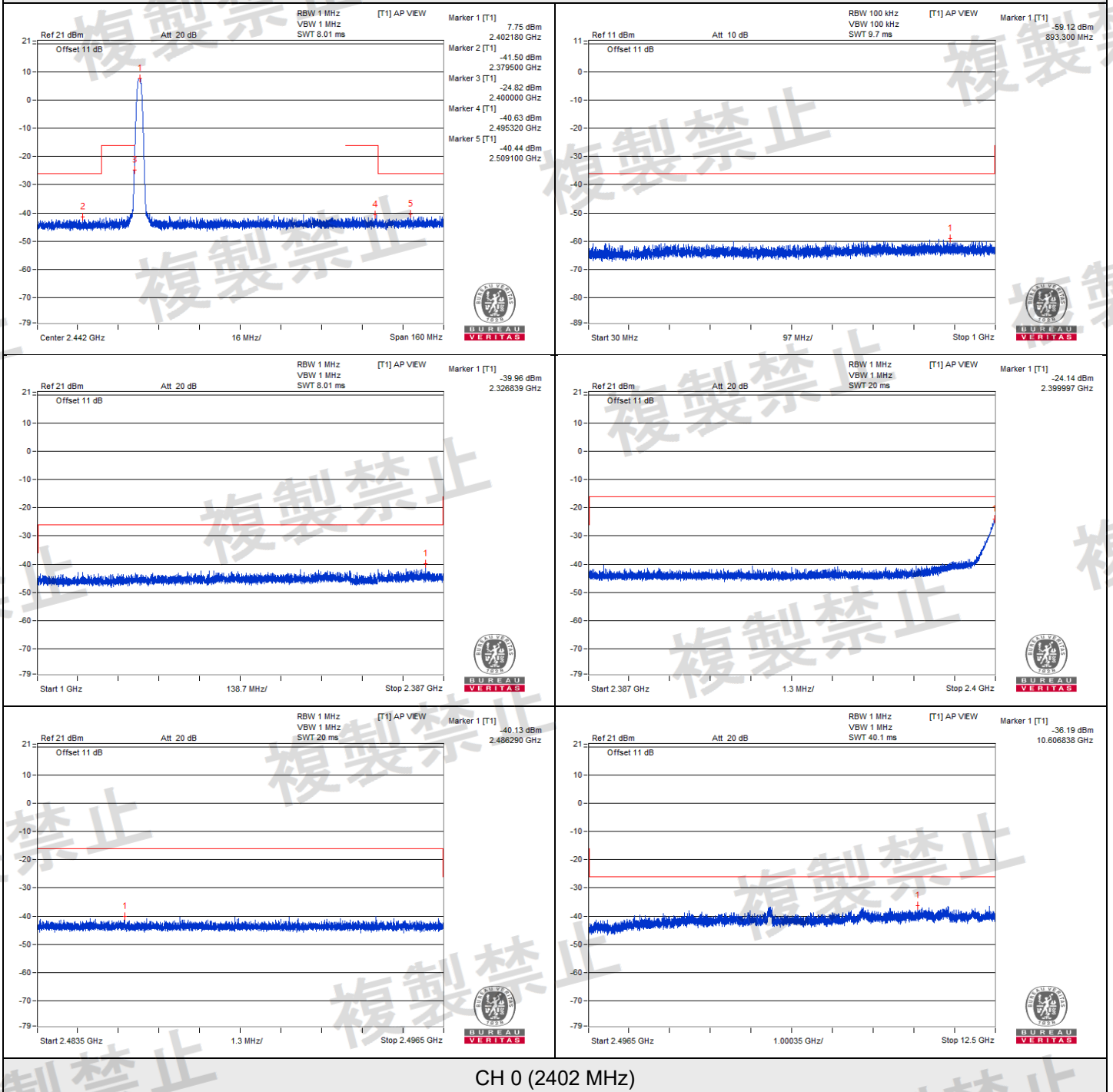
TEST CHANNEL		CH 39 (2480 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	706.696	0.001135 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2231.829	0.071779 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2388.097	0.090782 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2488.219	0.108893 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11150.778	0.231739 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	805.273	0.001112 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2176.523	0.071121 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2391.773	0.073282 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2491.402	0.111686 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11242.060	0.237684 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	685.114	0.001109 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2320.597	0.074817 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2387.520	0.078705 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2489.729	0.1 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11632.196	0.212814 uW/MHz	2.5 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

Vnormal



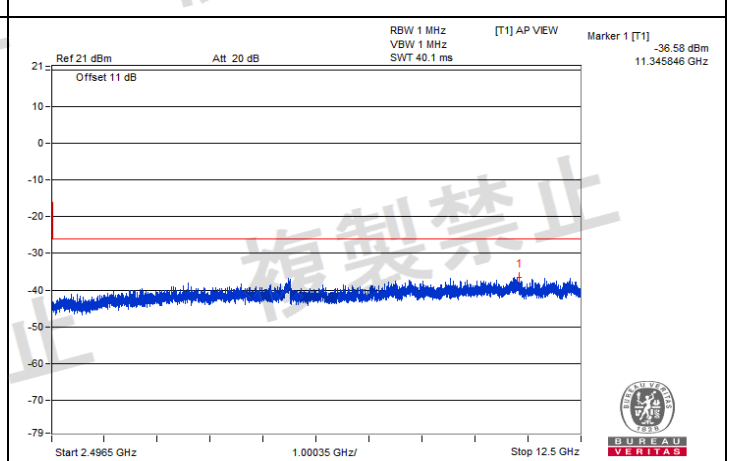
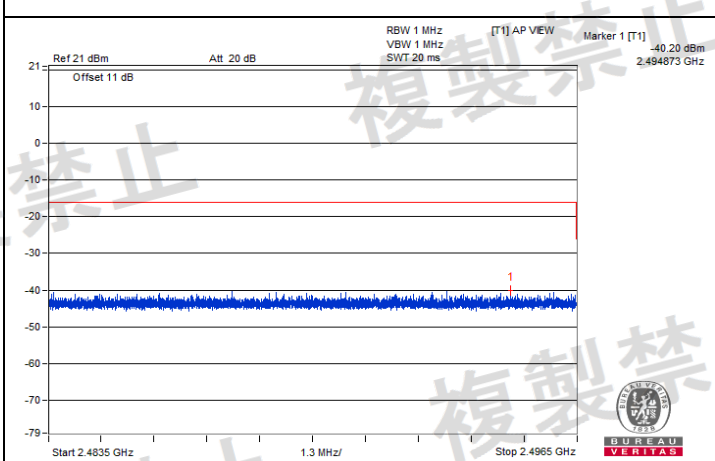
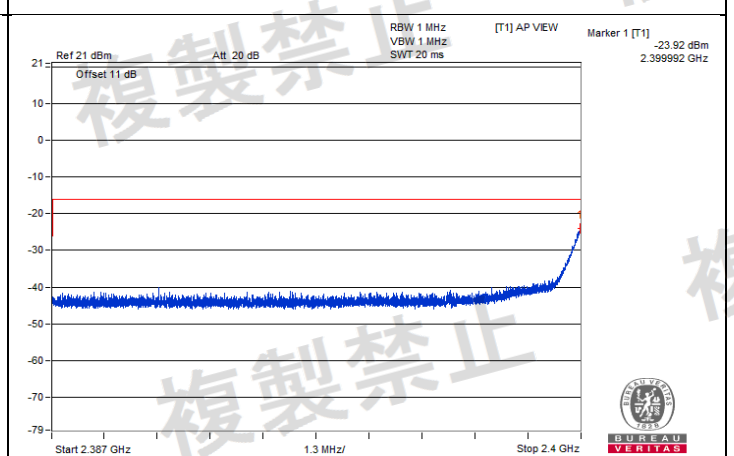
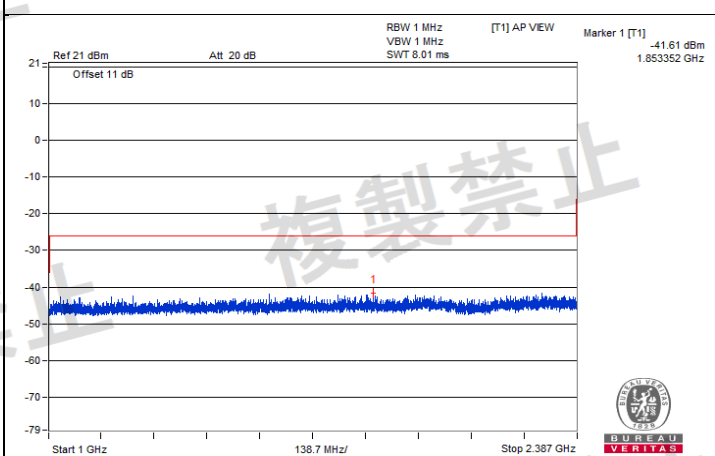
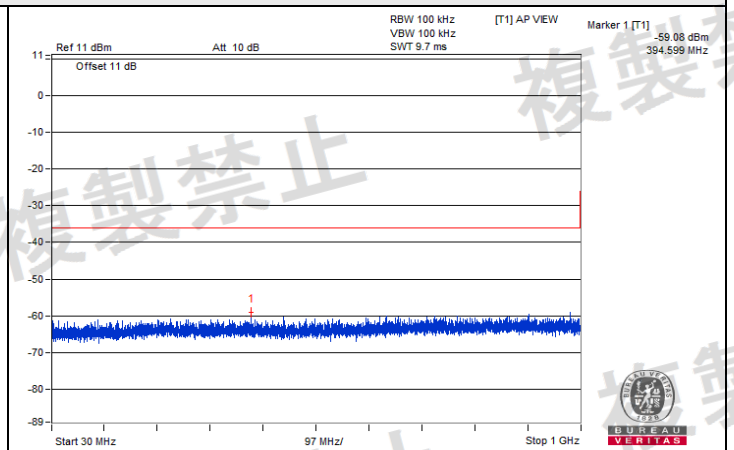
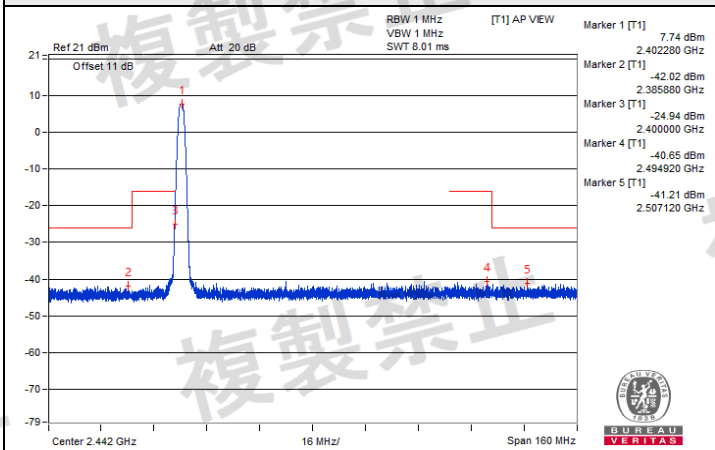
Vmax.



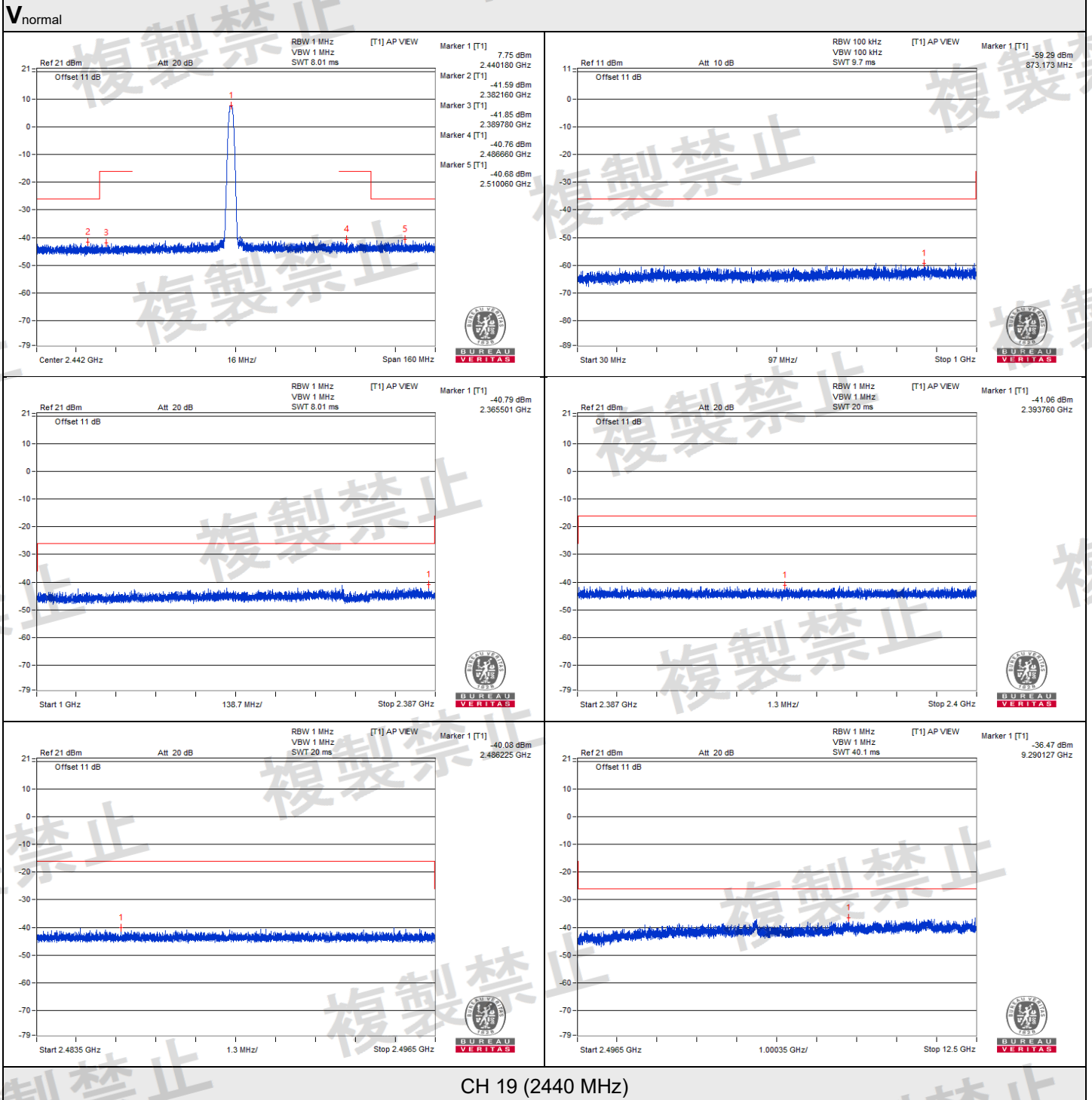


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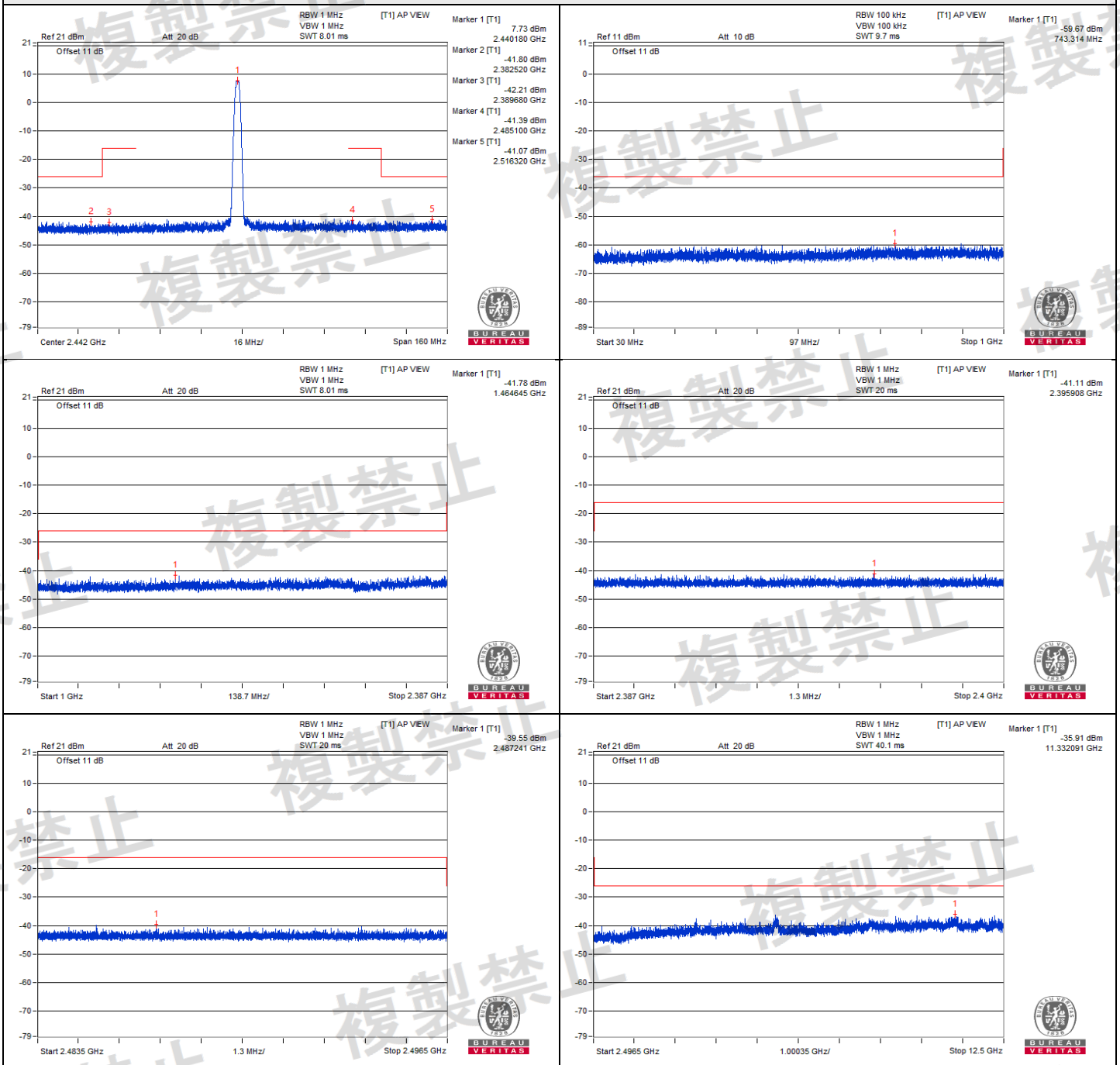
V_{min}.



CH 0 (2402 MHz)

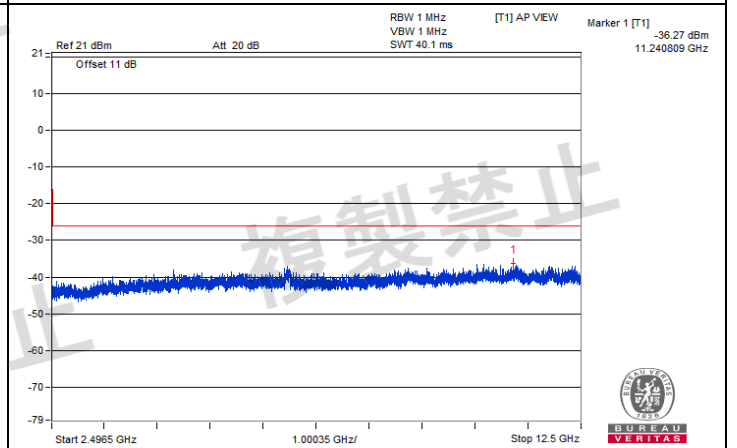
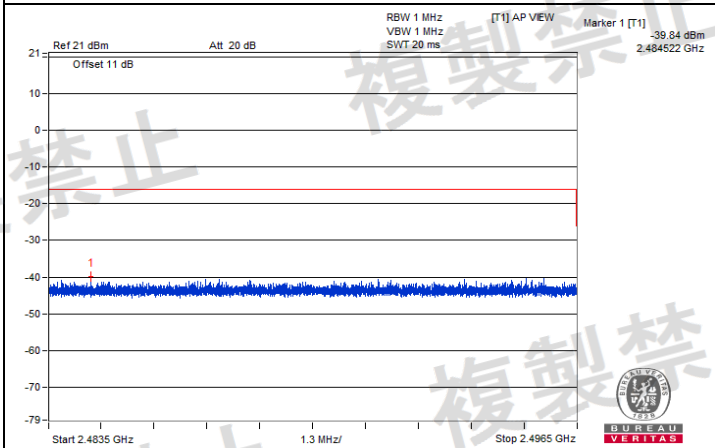
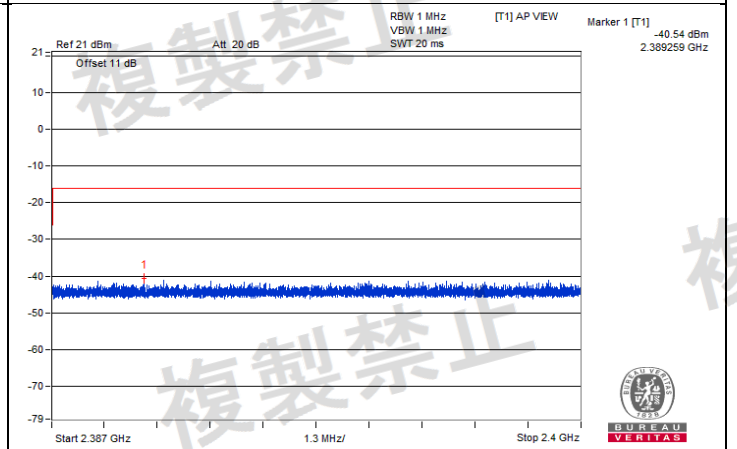
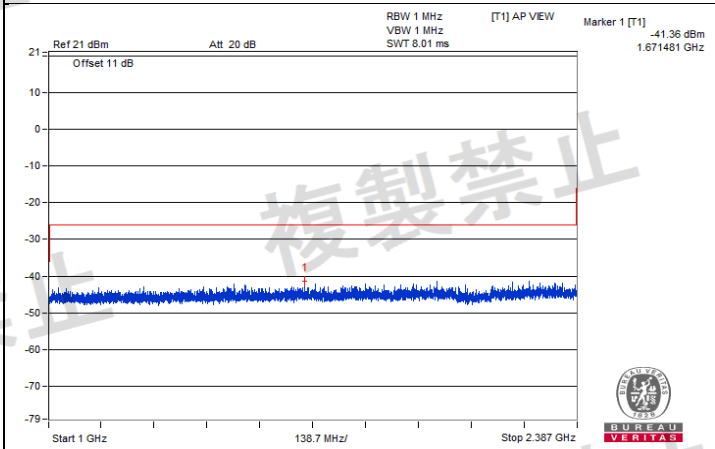
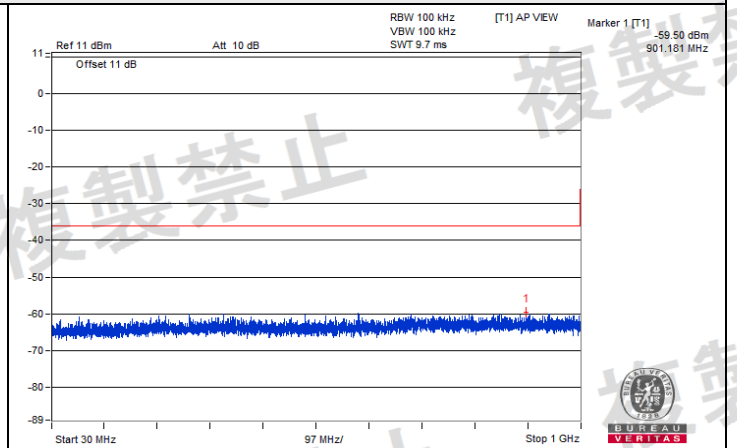
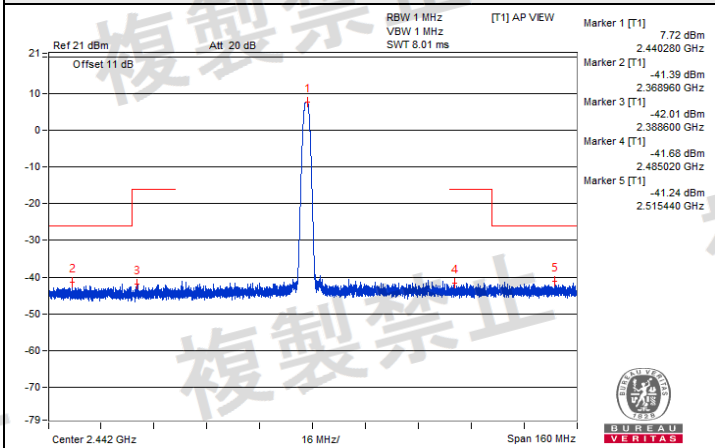


Vmax.



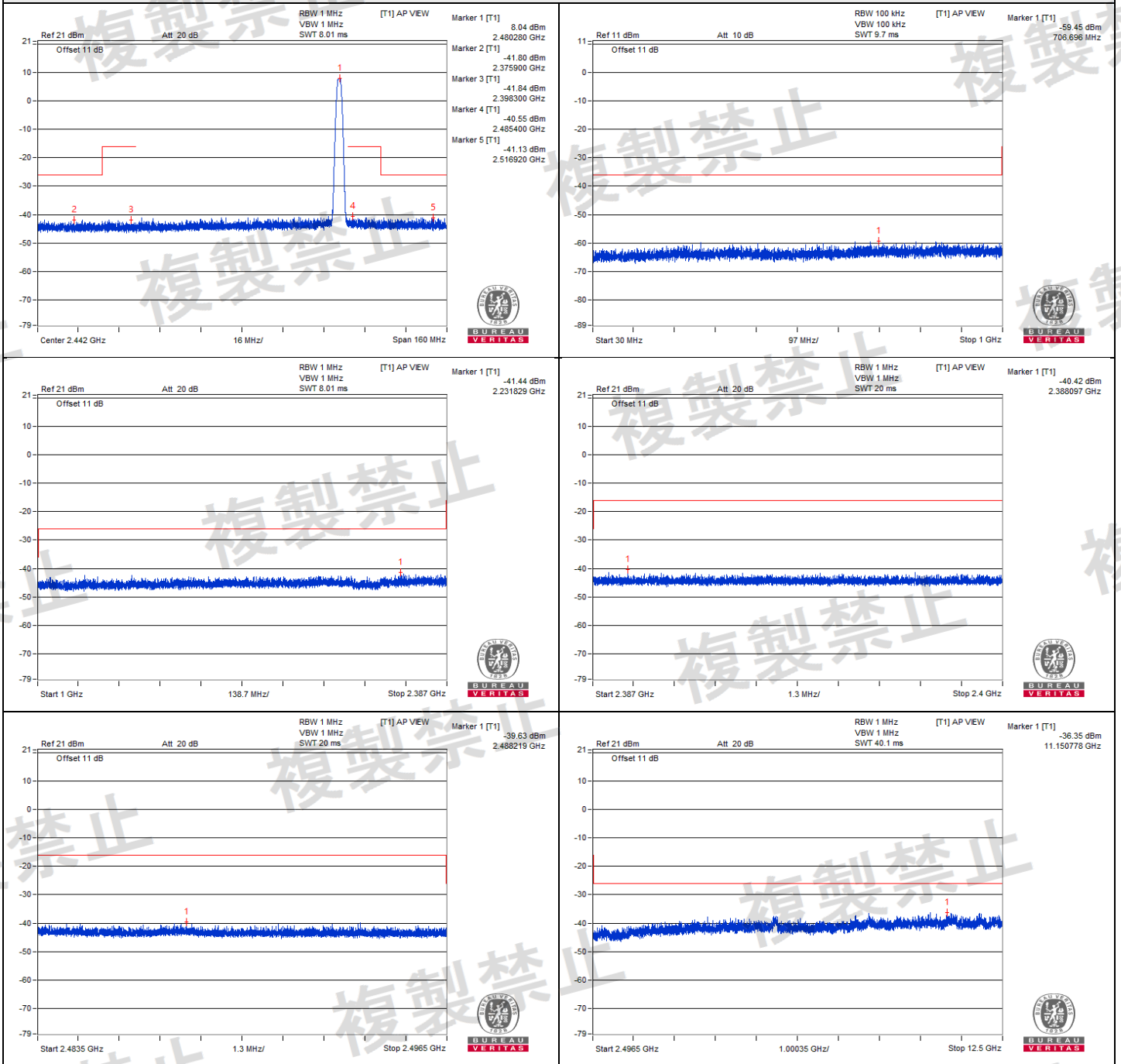
CH 19 (2440 MHz)

V_{min}.

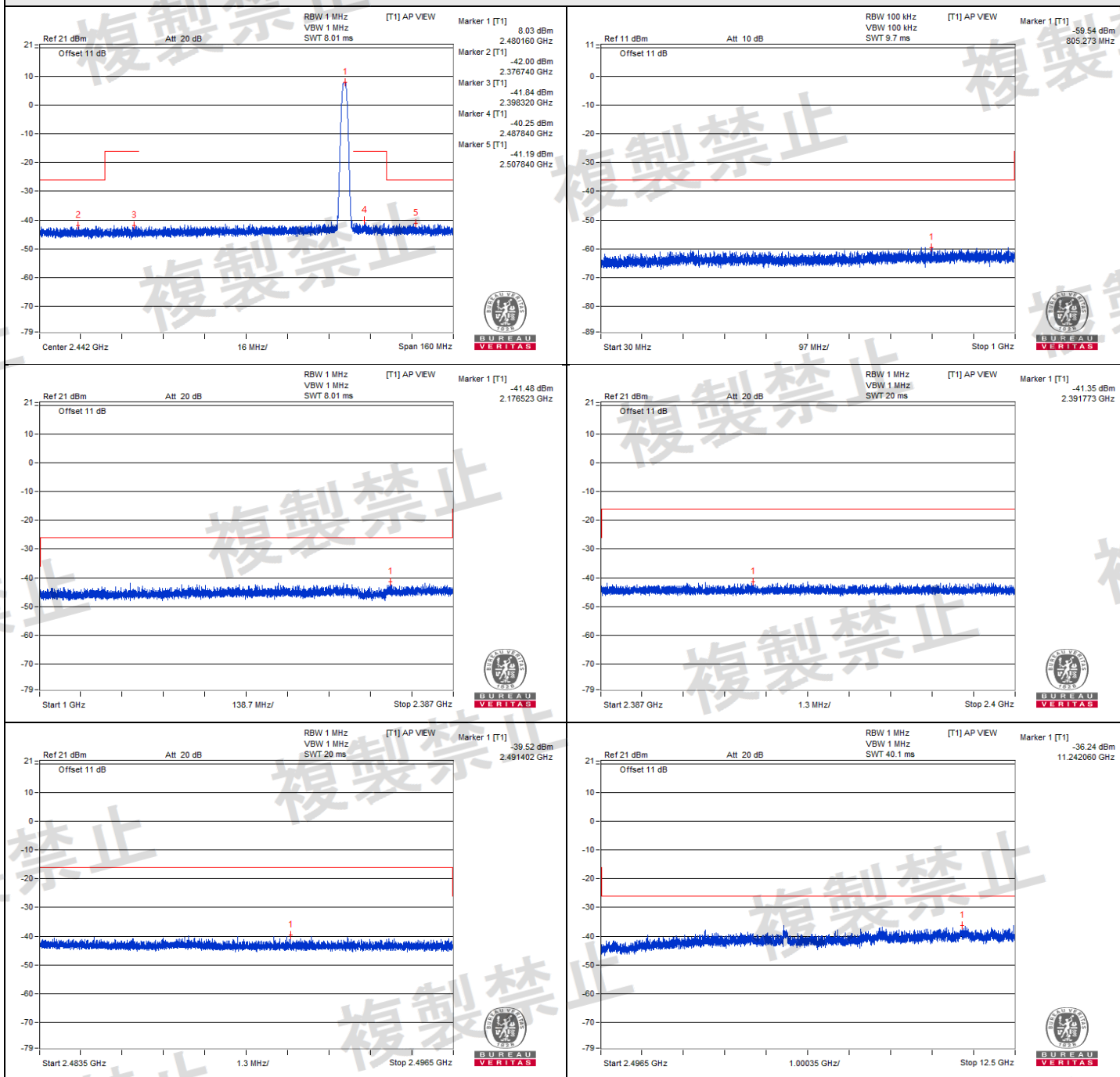


CH 19 (2440 MHz)

Vnormal

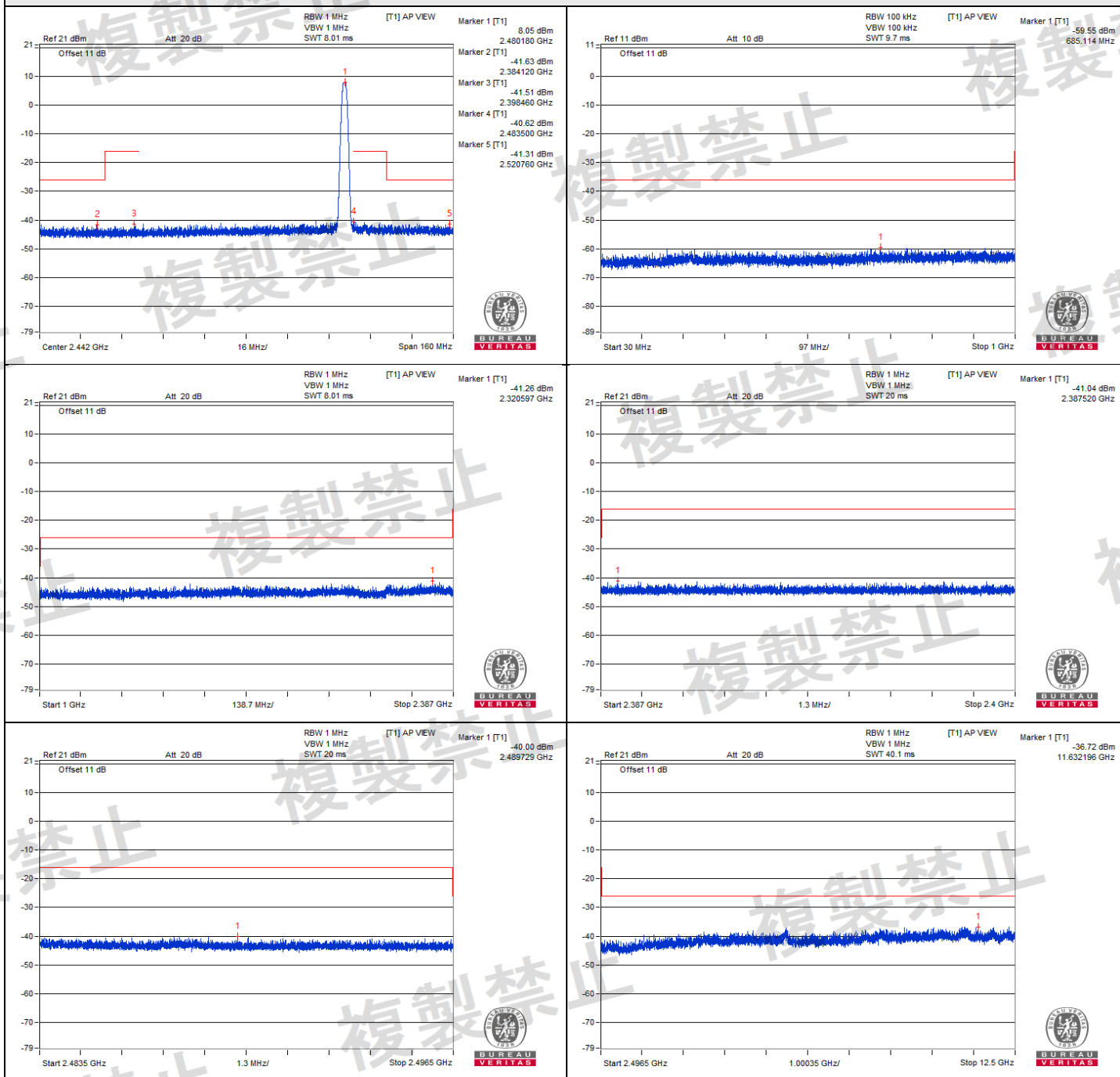


CH 39 (2480 MHz)

V_{max}.

CH 39 (2480 MHz)

Vmin.



CH 39 (2480 MHz)

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TEST CHANNEL		CH 0 (2402 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	726.945	0.001365 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2315.049	0.077625 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	6.936271 uW/MHz	25 uW/MHz	PASS(1)
	2483.5MHz to 2496.5MHz	2496.443	0.090365 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11247.062	0.211349 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	972.597	0.001183 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2347.470	0.063241 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	6.939469 uW/MHz	25 uW/MHz	PASS(2)
	2483.5MHz to 2496.5MHz	2490.951	0.103039 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	6918.047	0.259418 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	235.882	0.00113 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2281.415	0.067608 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	6.929293 uW/MHz	25 uW/MHz	PASS(3)
	2483.5MHz to 2496.5MHz	2495.158	0.093756 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	12063.597	0.229087 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 19 (2440 MHz)			
V_{normal}	30MHz to 1000MHz	776.658	0.001094 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1816.423	0.065313 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2395.257	0.092897 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2491.706	0.094406 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11279.573	0.208449 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	851.347	0.00113 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1718.293	0.079983 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2398.136	0.081658 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2495.220	0.089536 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	6963.063	0.232809 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	958.290	0.001109 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2380.238	0.074473 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.834	0.077983 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2491.874	0.103753 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10824.414	0.26485 uW/MHz	2.5 uW/MHz	PASS

TEST CHANNEL		CH 39 (2480 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	830.371	0.001271 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1654.317	0.072778 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2398.286	0.078705 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.521	0.149624 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	9975.367	0.229087 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	725.975	0.001216 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2333.774	0.074473 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2392.938	0.08147 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.541	0.147911 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	12286.175	0.20797 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	708.636	0.00133 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1431.877	0.073114 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2392.735	0.077983 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.534	0.12735 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11757.240	0.254097 uW/MHz	2.5 uW/MHz	PASS

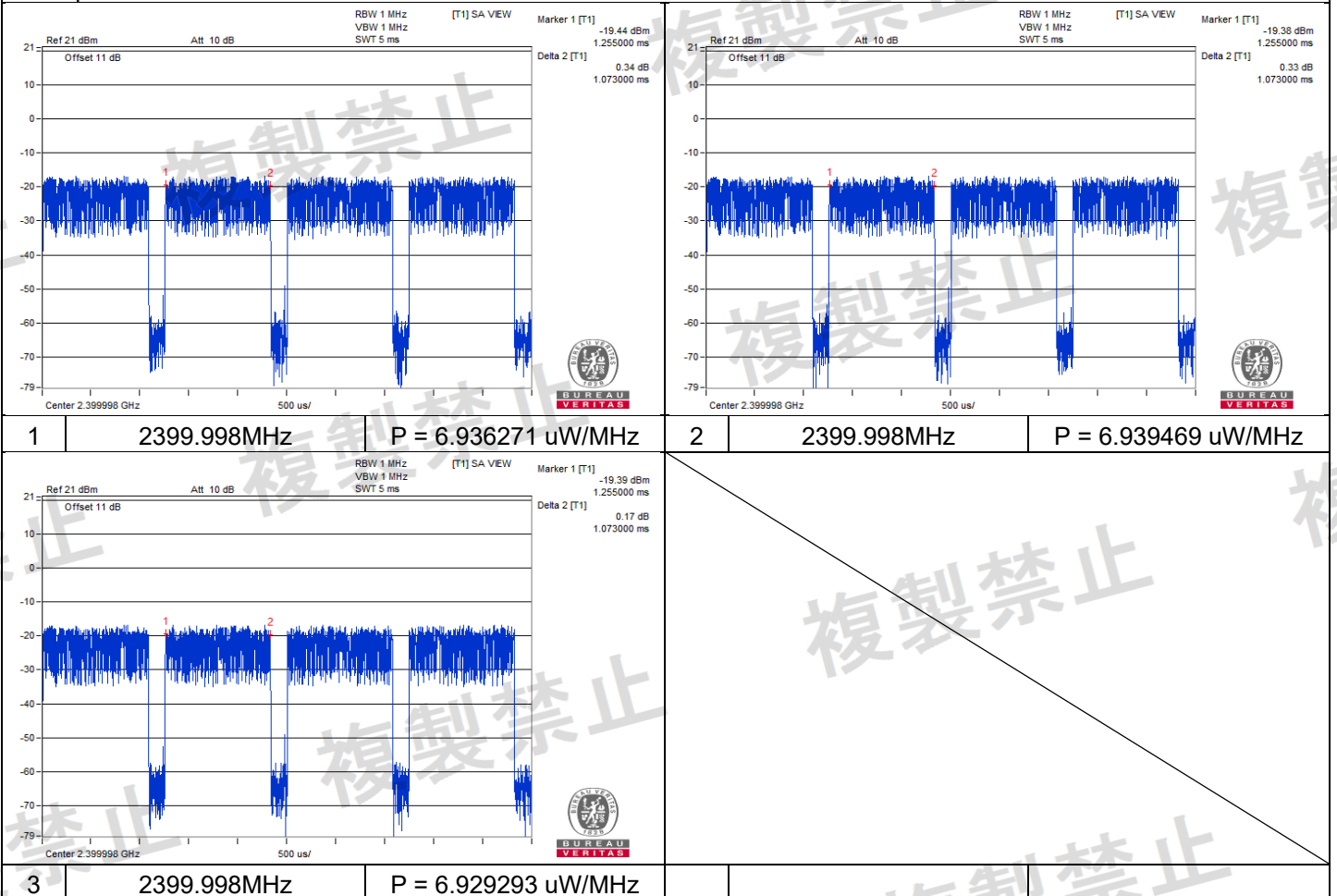
NOTE: 1. The spectrum plots are attached on the following pages.

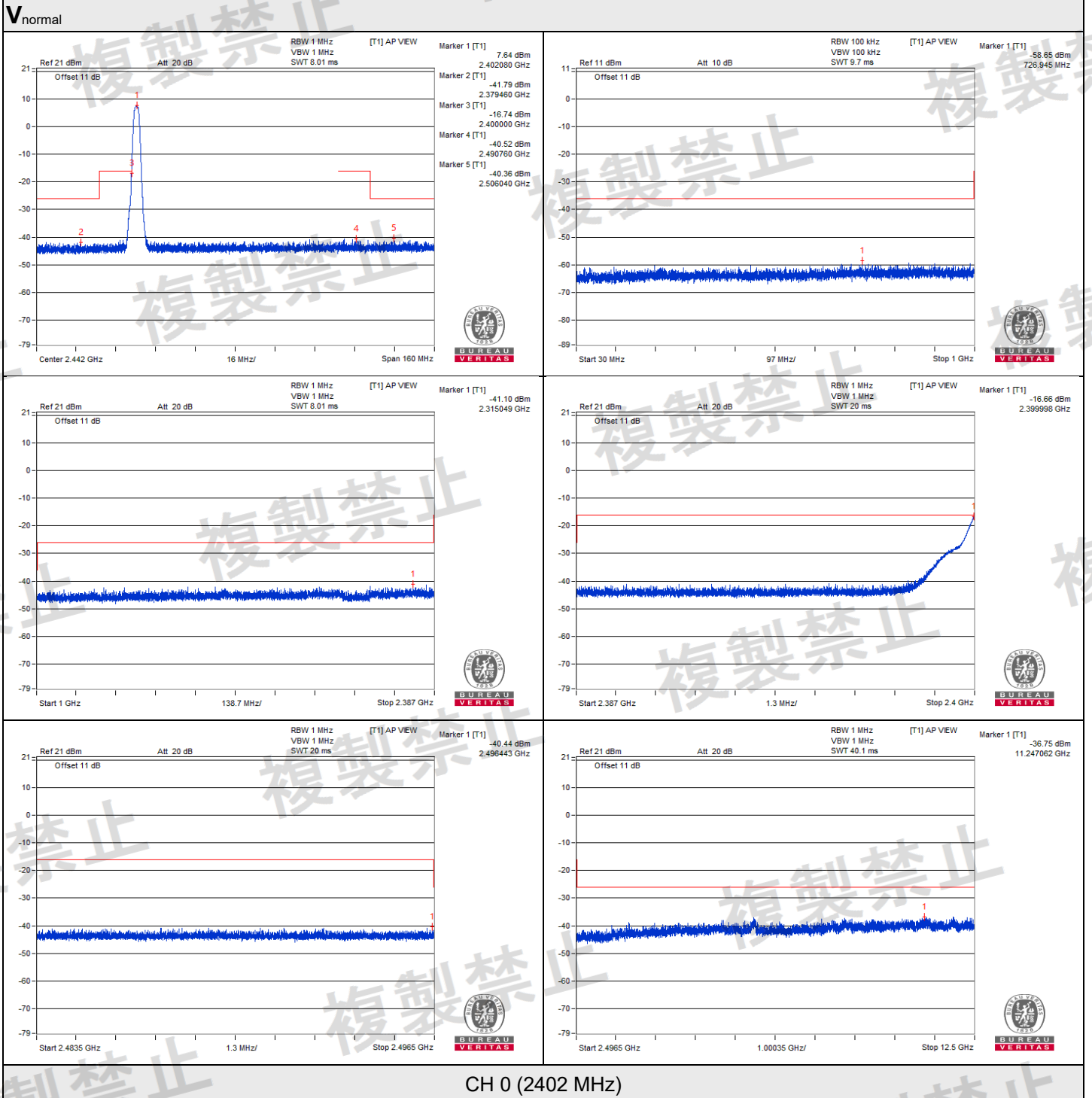
2. (No.): The value was tested under Measuring Mode *Zero Span.



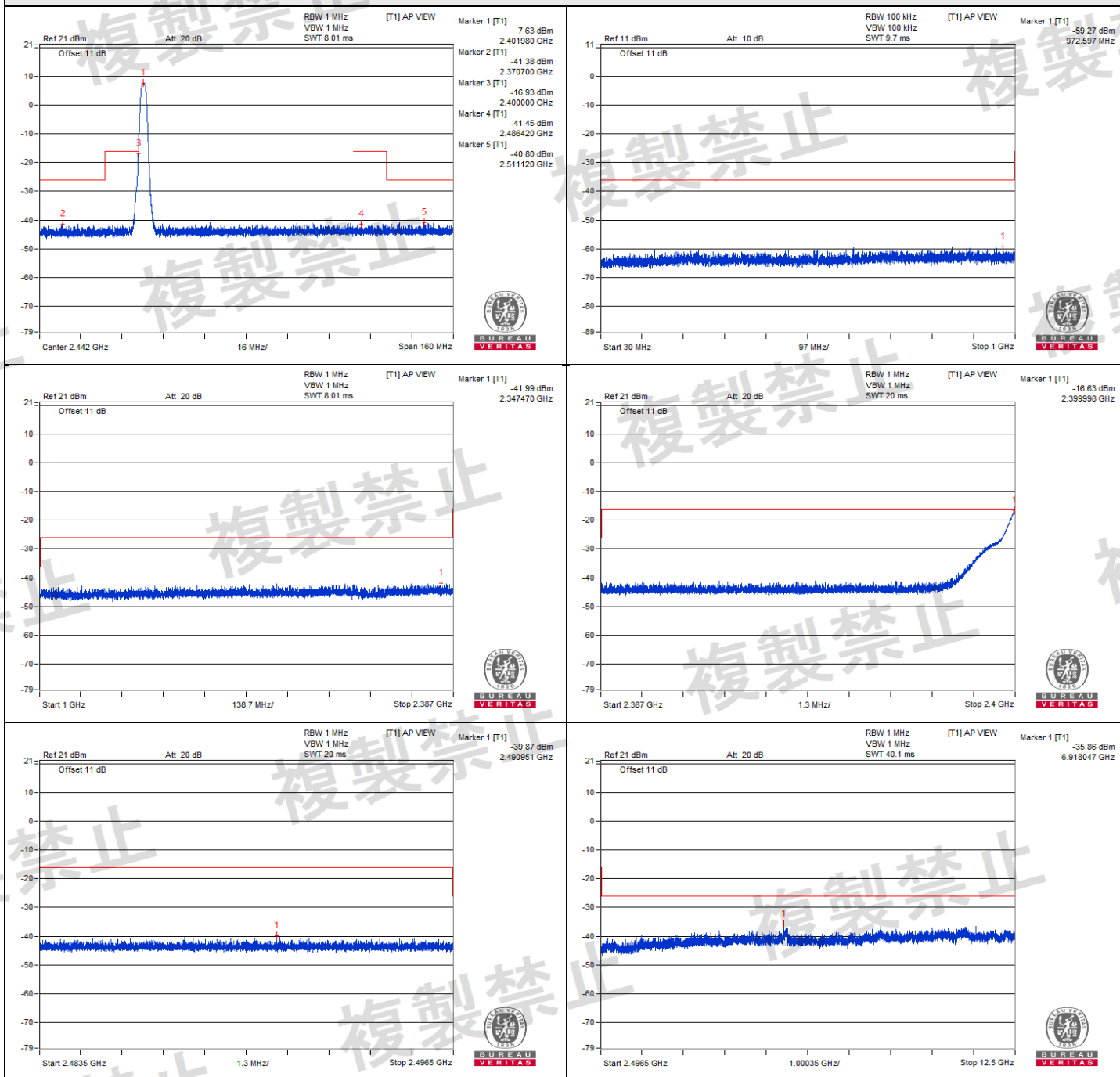
Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



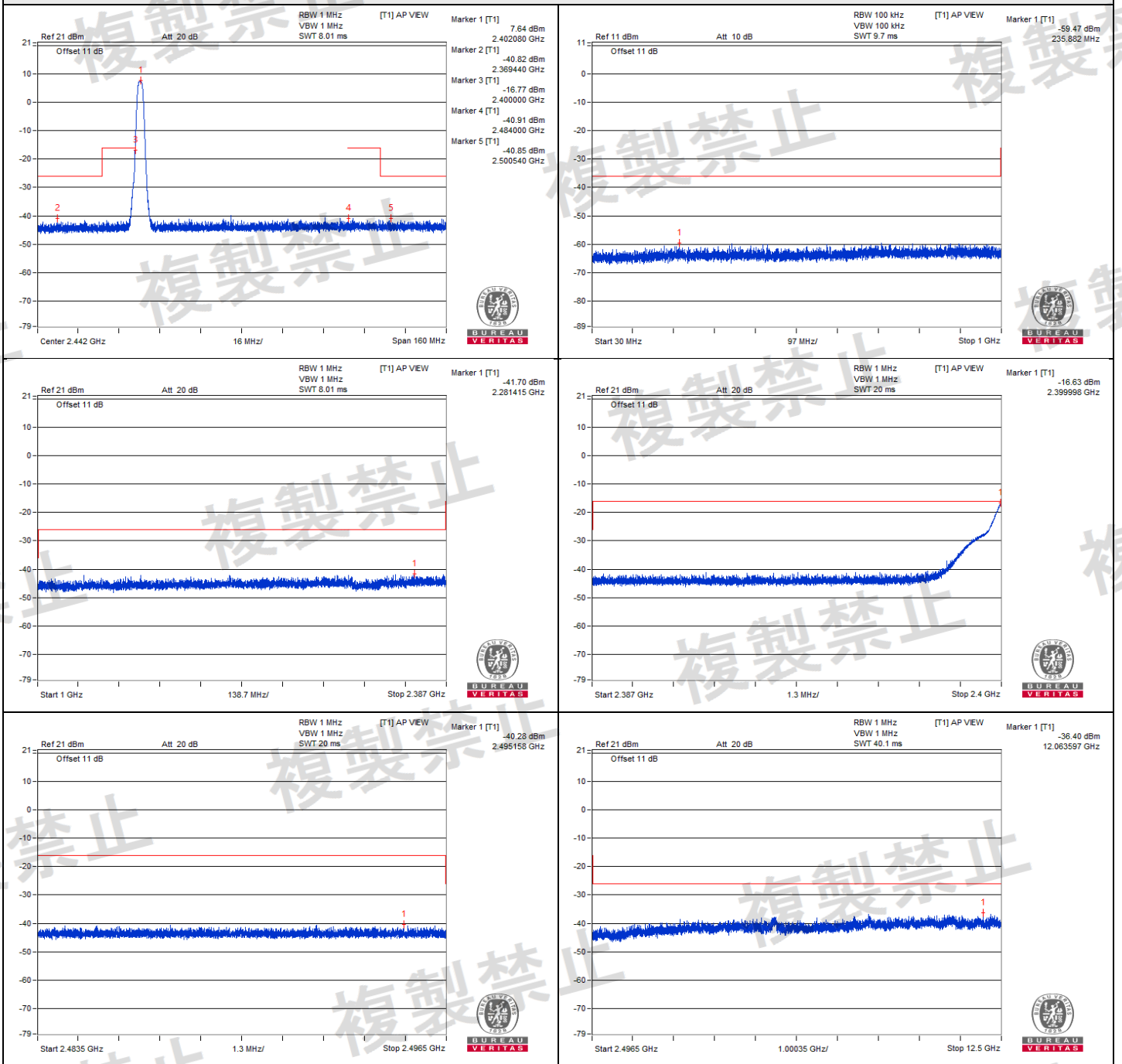


Vmax.

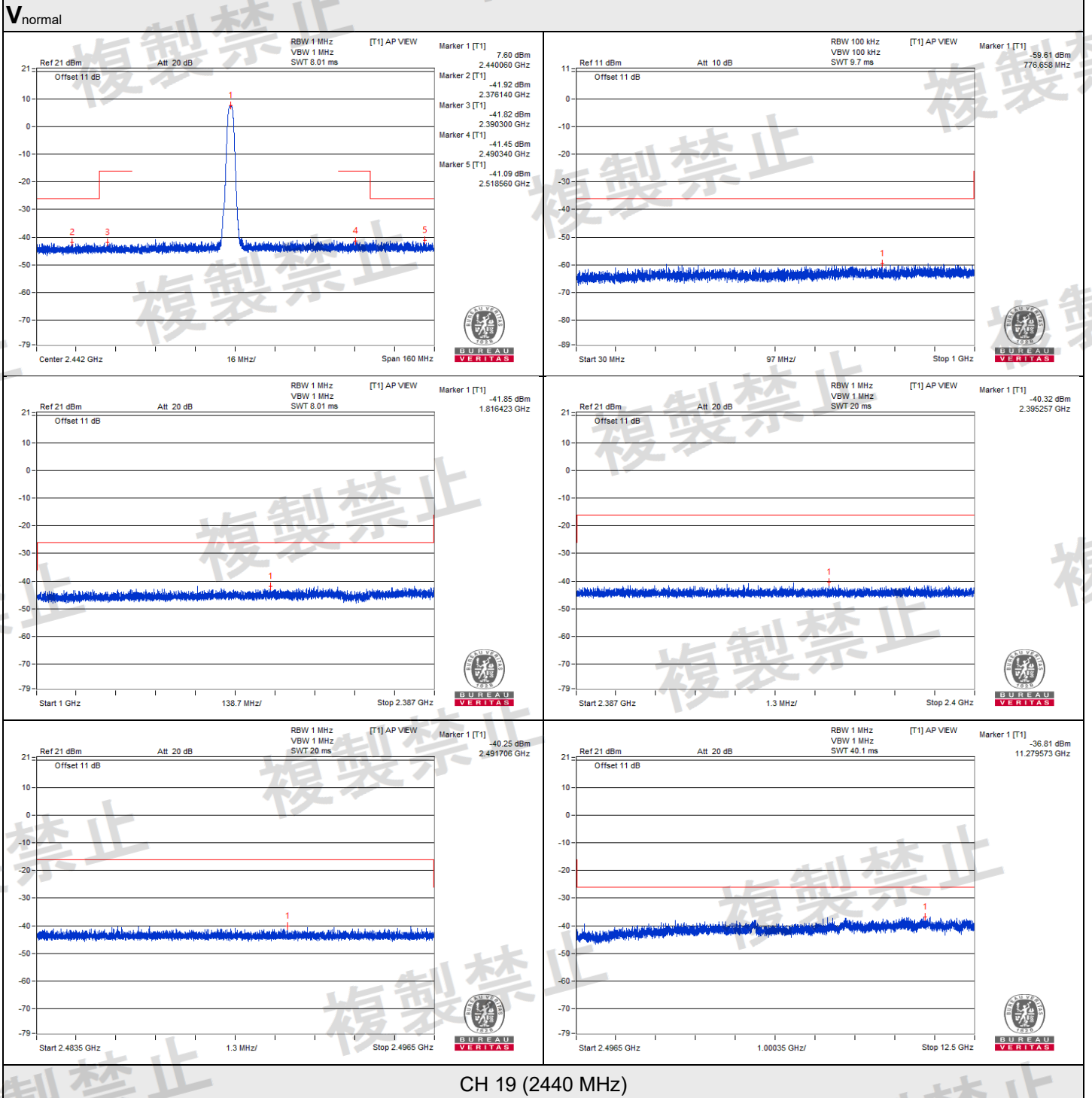


CH 0 (2402 MHz)

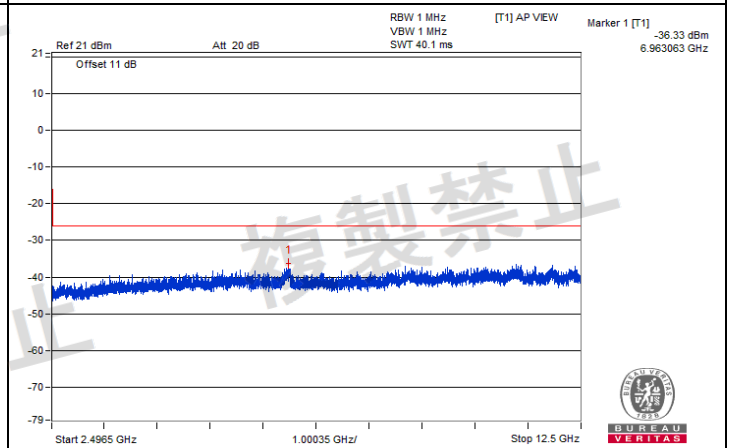
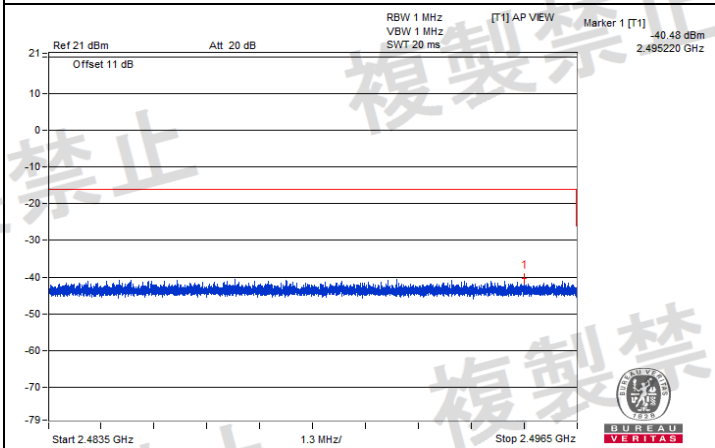
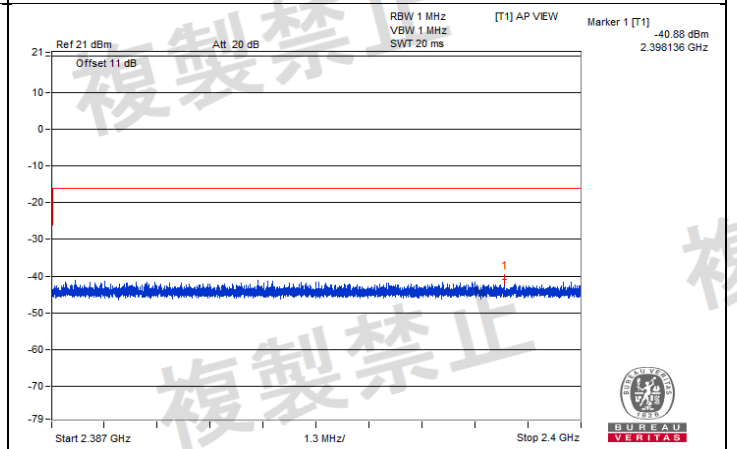
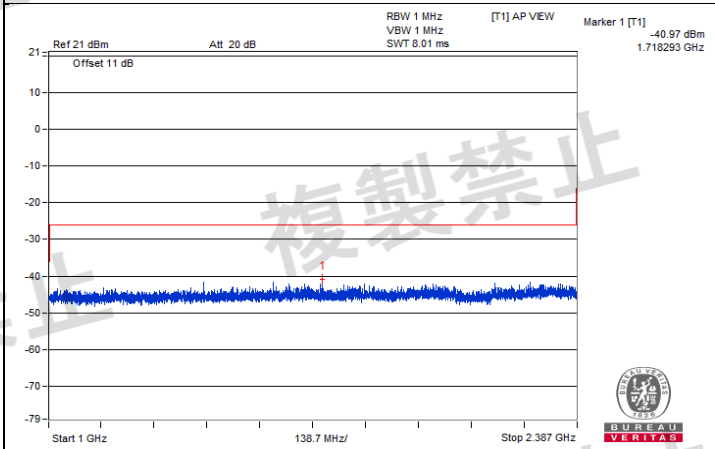
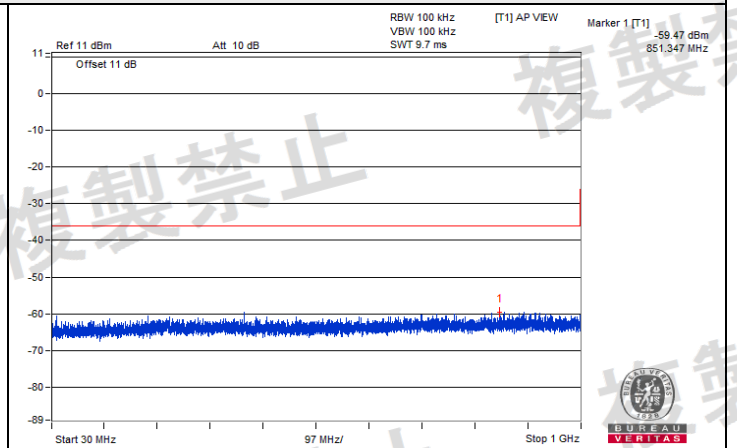
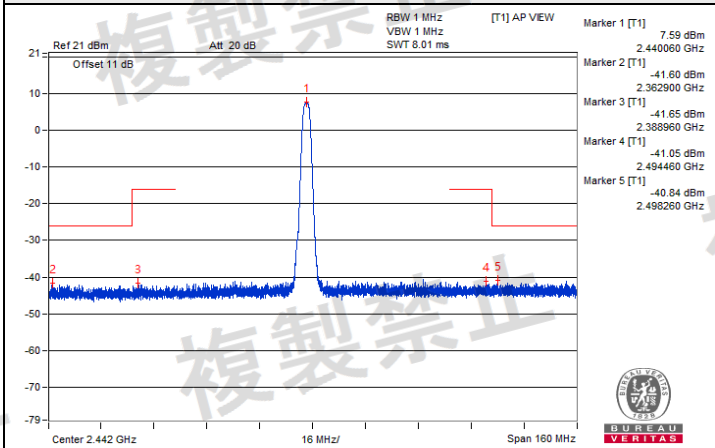
V_{min}.



CH 0 (2402 MHz)

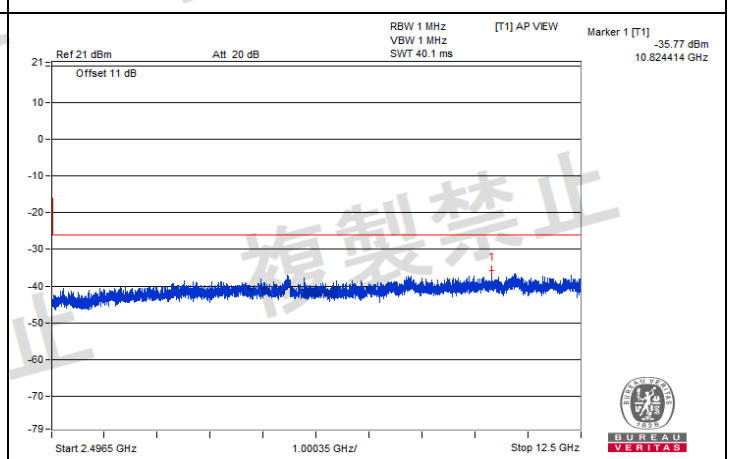
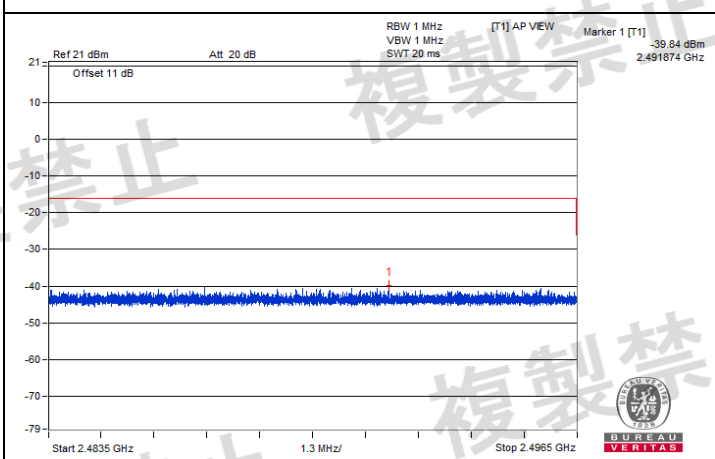
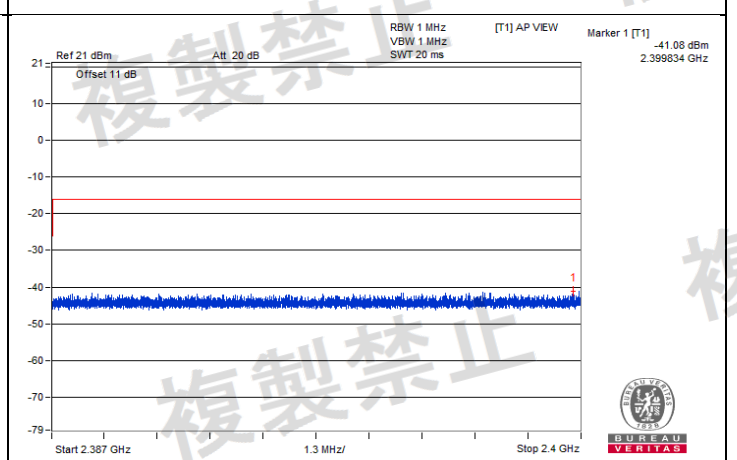
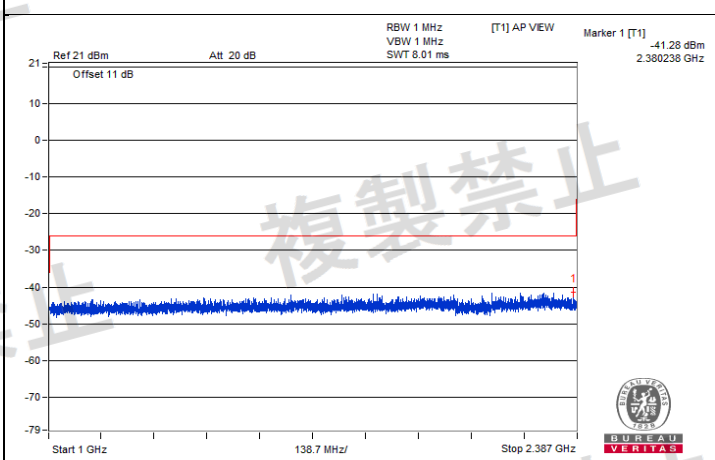
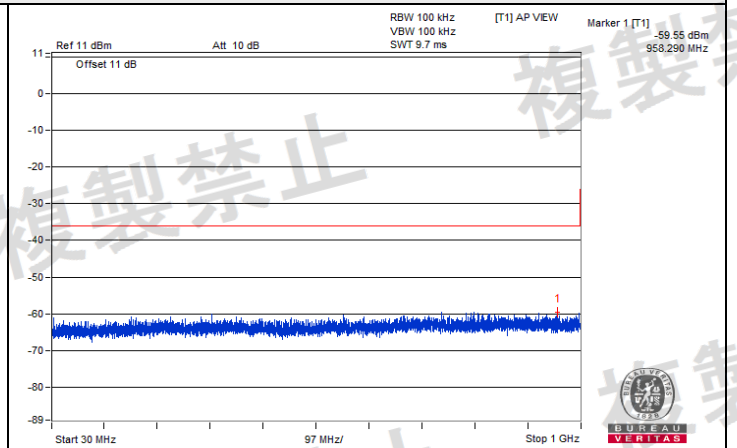
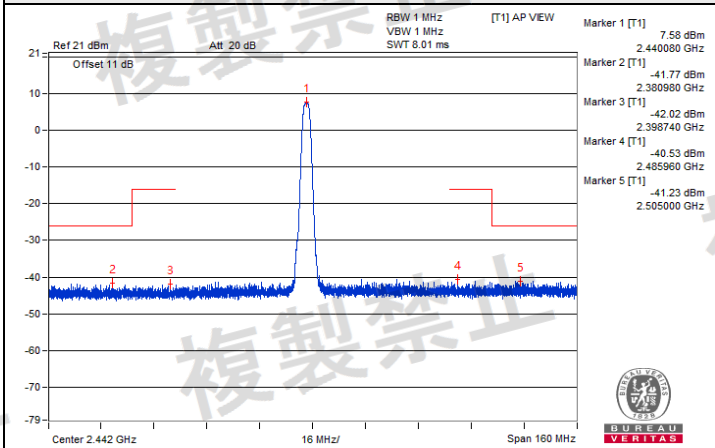


Vmax.



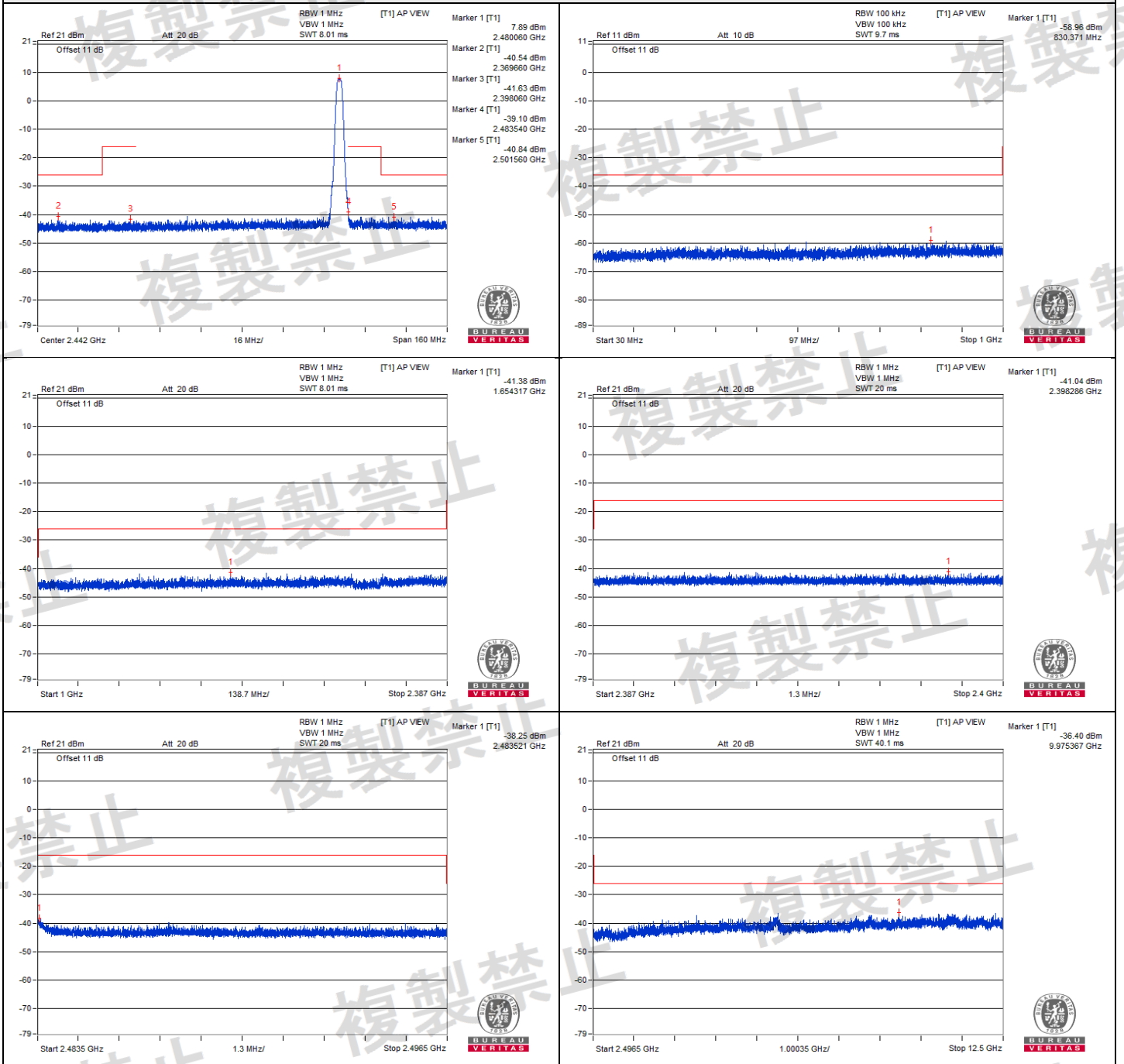
CH 19 (2440 MHz)

V min.



CH 19 (2440 MHz)

Vnormal

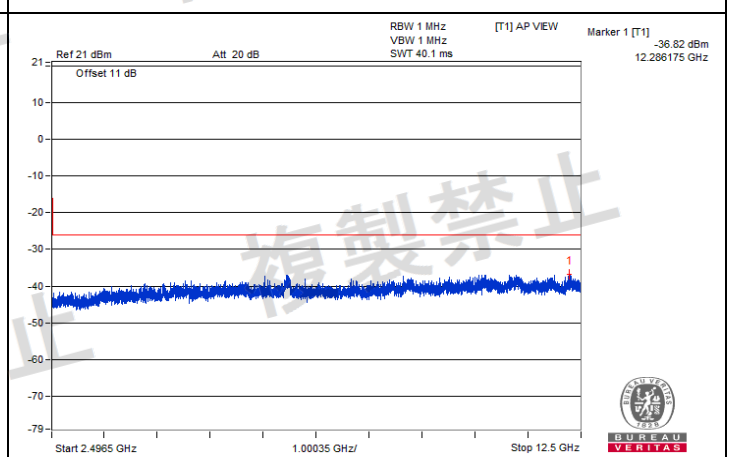
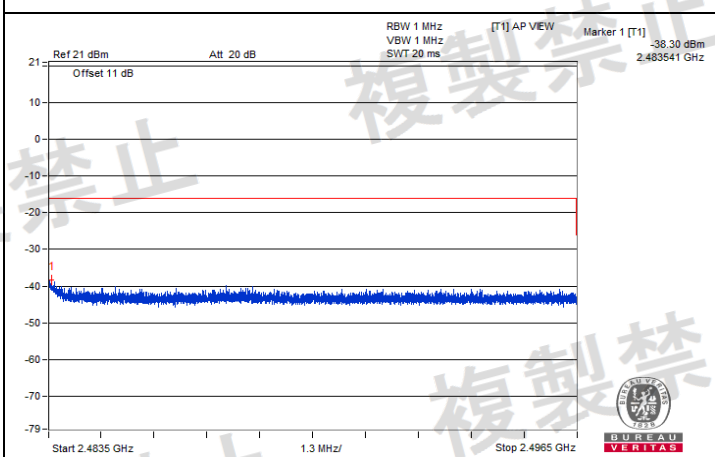
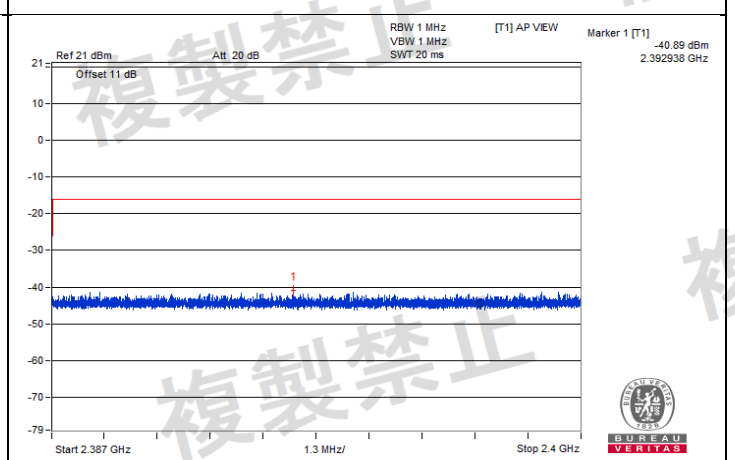
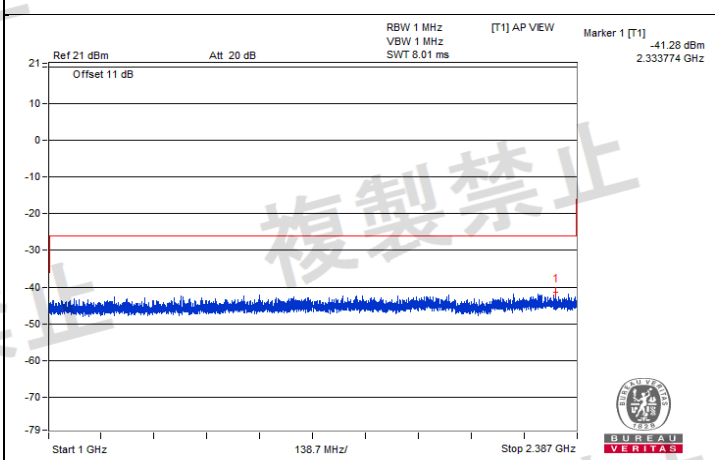
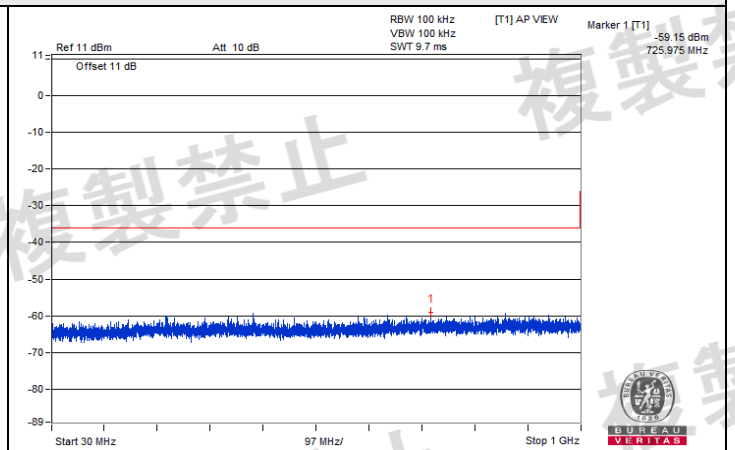
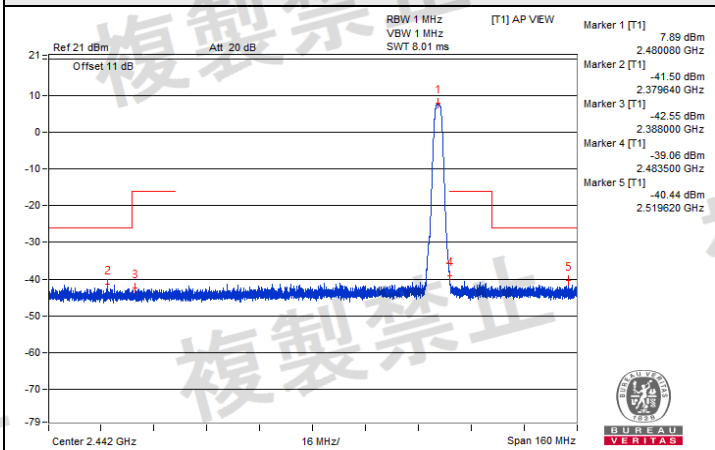


CH 39 (2480 MHz)



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V_{max}.

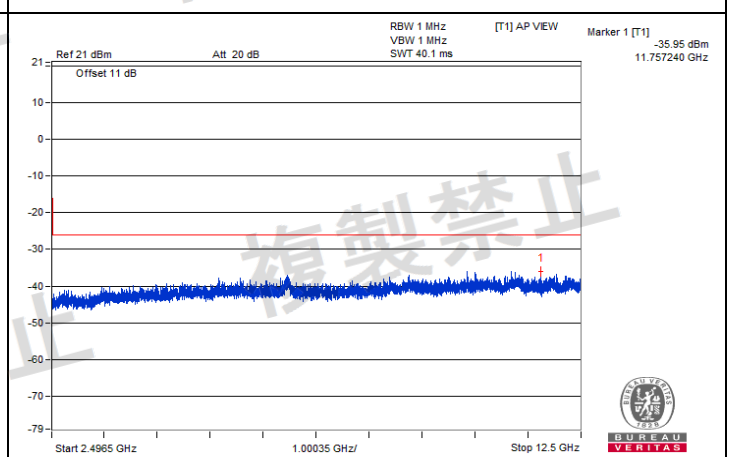
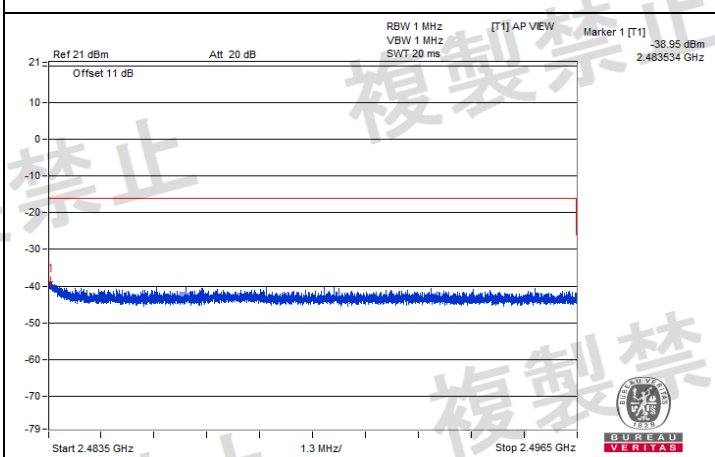
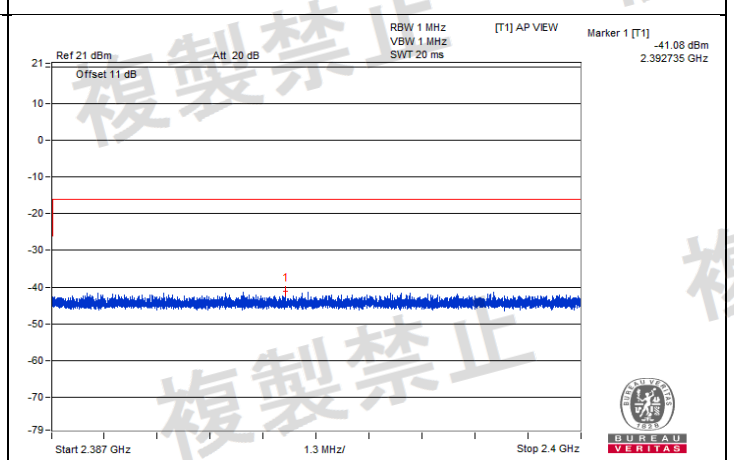
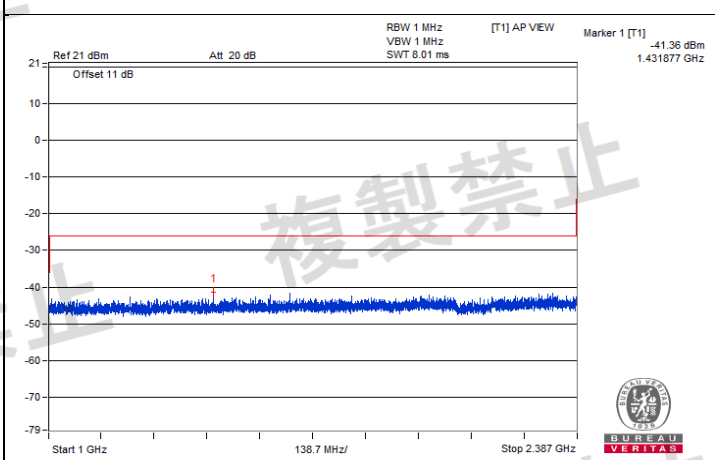
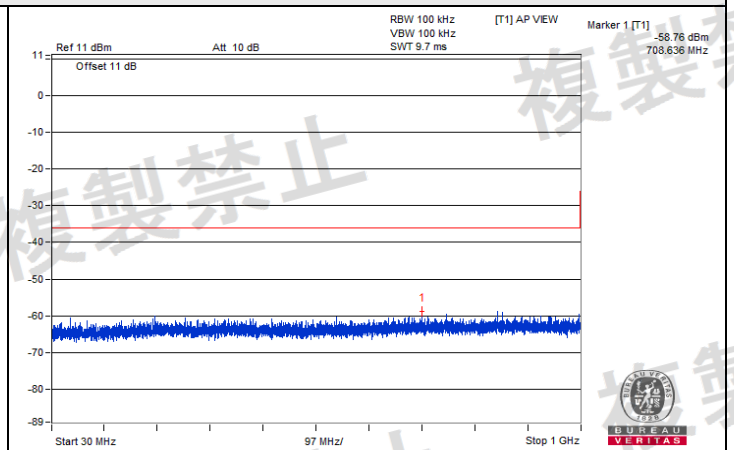
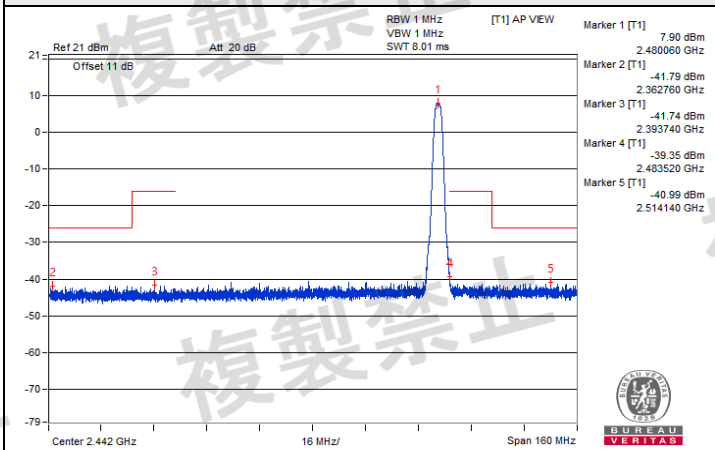


CH 39 (2480 MHz)



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V_{min}.



CH 39 (2480 MHz)

7.4 Spurious Emissions of Receiver

Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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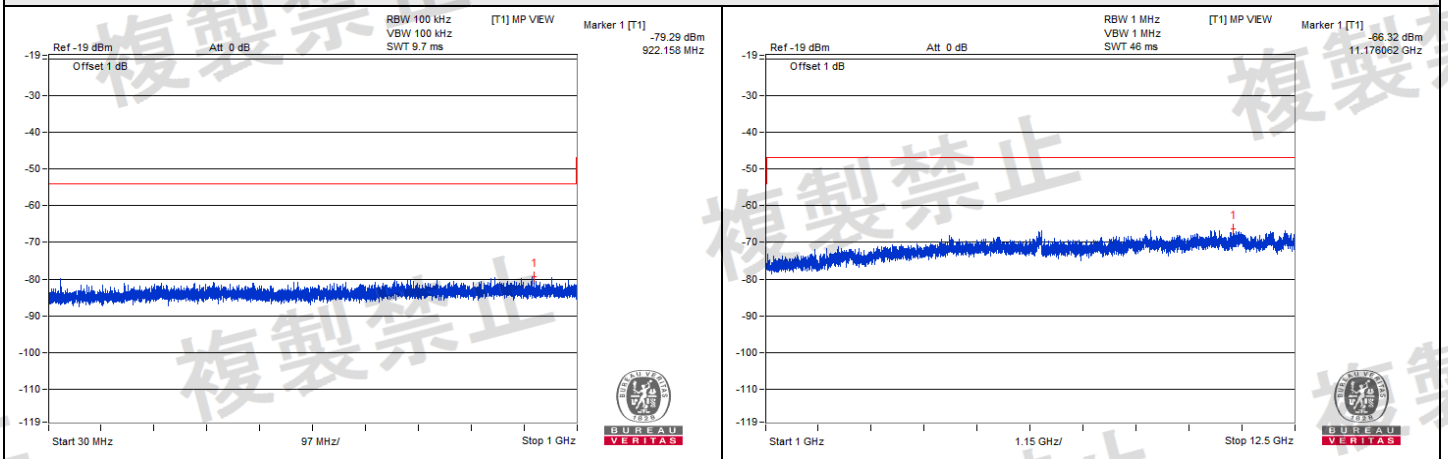
TEST CHANNEL		CH 0 (2402 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	922.158	0.011776	4	PASS
	1000.0 to 12500.0	11176.062	0.233346	20	PASS
$V_{max.}$	30.0 to 1000.0	950.651	0.011015	4	PASS
	1000.0 to 12500.0	11272.375	0.259418	20	PASS
$V_{min.}$	30.0 to 1000.0	257.101	0.011722	4	PASS
	1000.0 to 12500.0	10644.187	0.283792	20	PASS
TEST CHANNEL		CH 19 (2440 MHz)			
V_{normal}	30.0 to 1000.0	828.795	0.011376	4	PASS
	1000.0 to 12500.0	8907.687	0.209894	20	PASS
$V_{max.}$	30.0 to 1000.0	880.811	0.009977	4	PASS
	1000.0 to 12500.0	6987.187	0.218776	20	PASS
$V_{min.}$	30.0 to 1000.0	924.582	0.010351	4	PASS
	1000.0 to 12500.0	11285.312	0.225944	20	PASS
TEST CHANNEL		CH 39 (2480 MHz)			
V_{normal}	30.0 to 1000.0	943.376	0.011912	4	PASS
	1000.0 to 12500.0	10681.562	0.230675	20	PASS
$V_{max.}$	30.0 to 1000.0	737.372	0.012853	4	PASS
	1000.0 to 12500.0	11328.437	0.239332	20	PASS
$V_{min.}$	30.0 to 1000.0	920.581	0.01094	4	PASS
	1000.0 to 12500.0	9228.250	0.238781	20	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

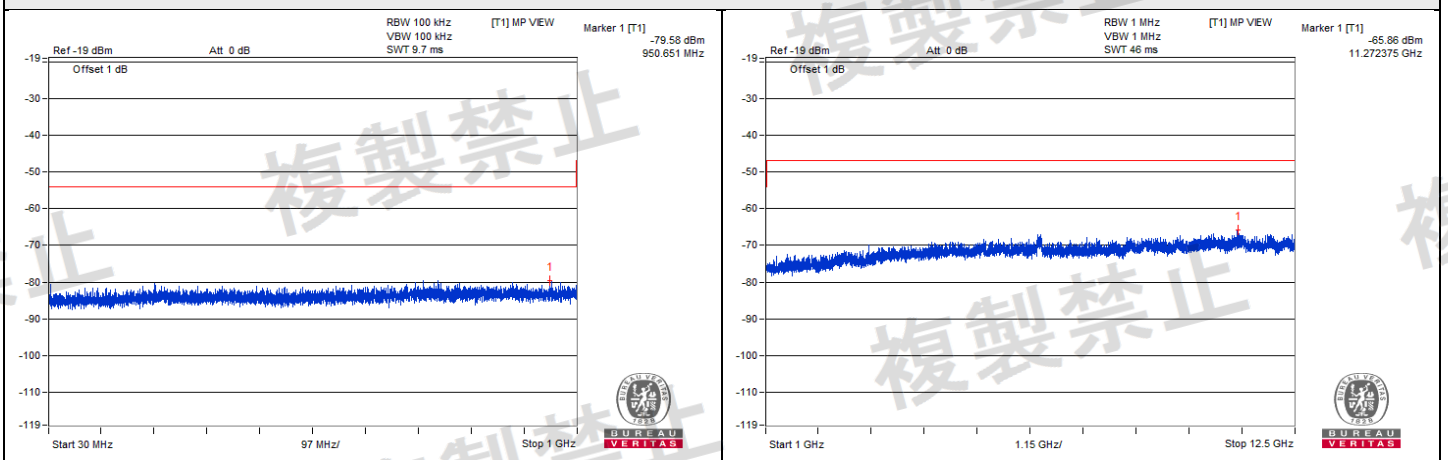


BUREAU
VERITAS

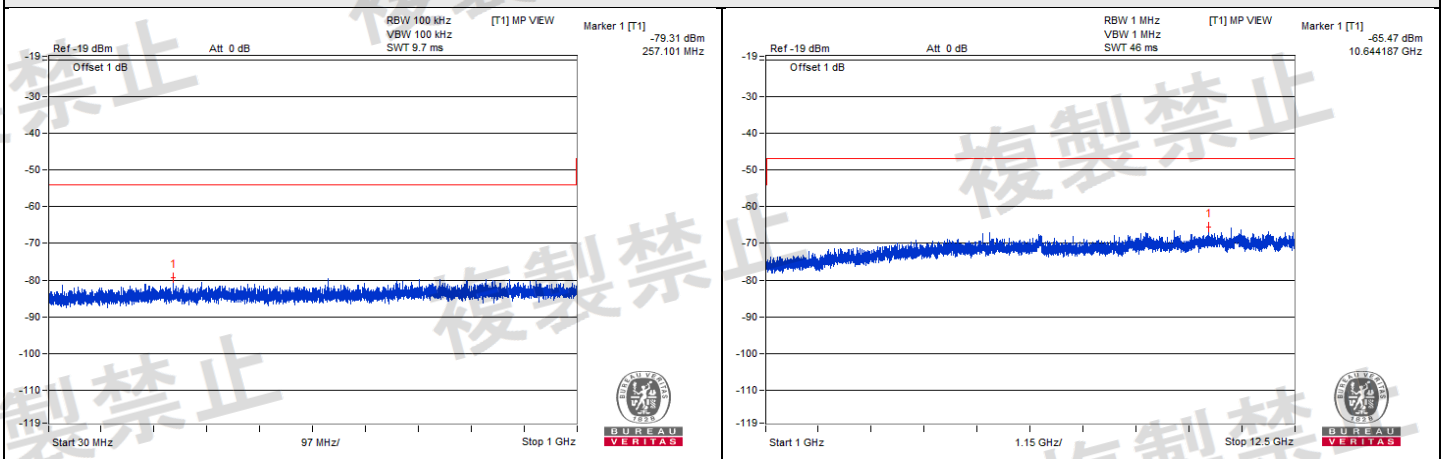
V_{normal}



V_{max}



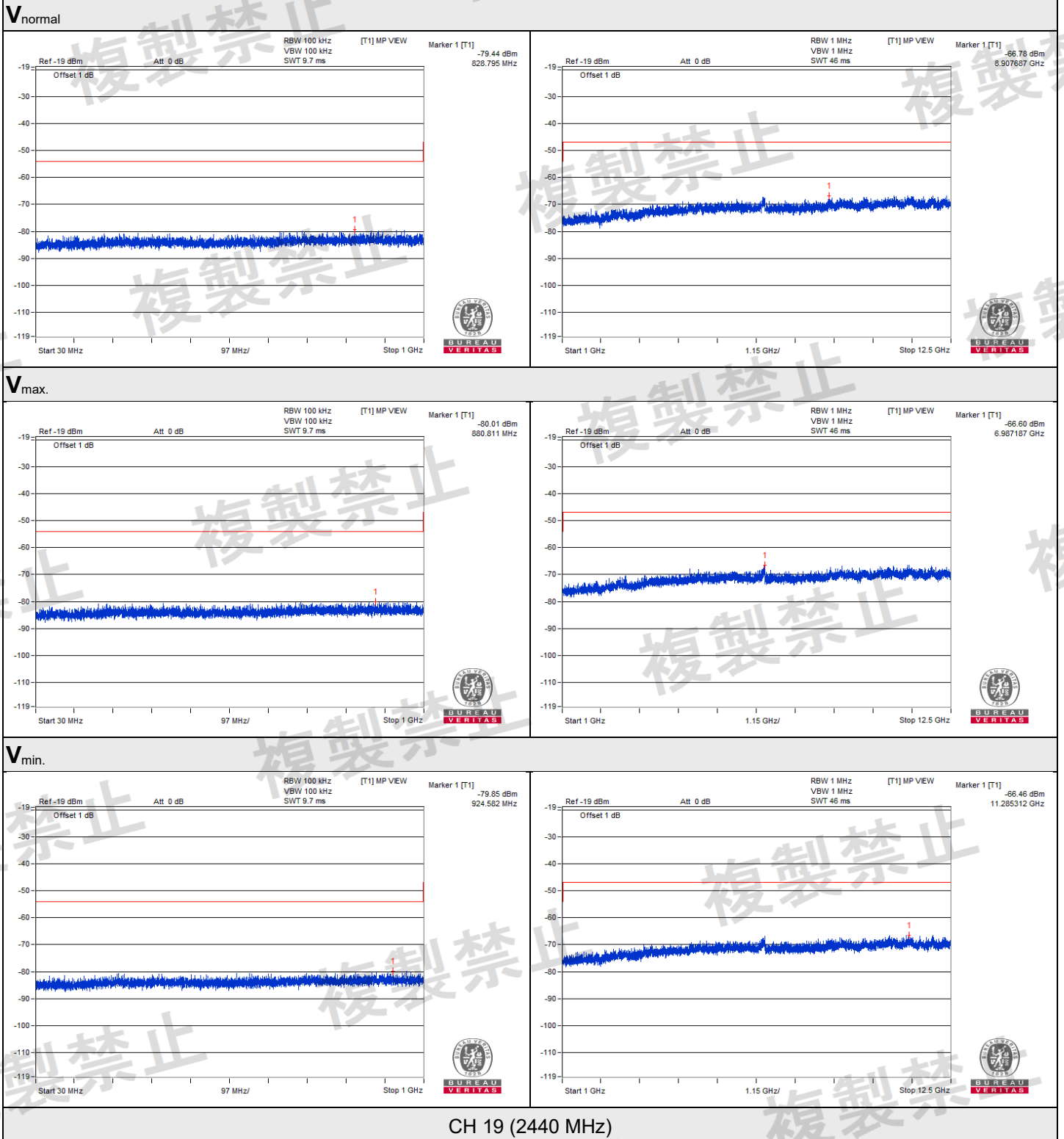
V_{min}



CH 0 (2402 MHz)



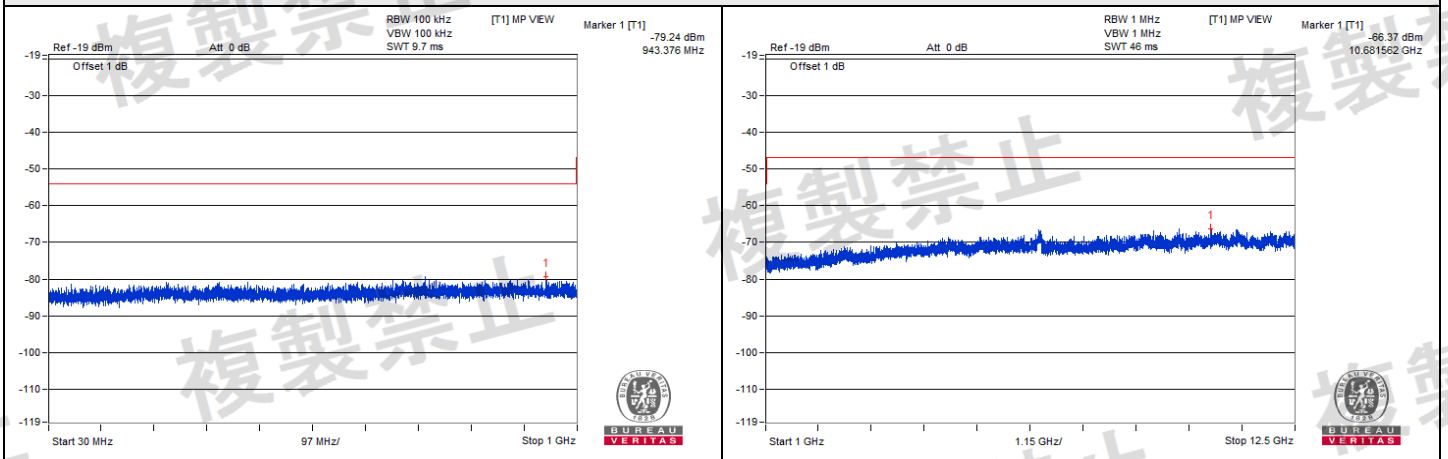
BUREAU
VERITAS



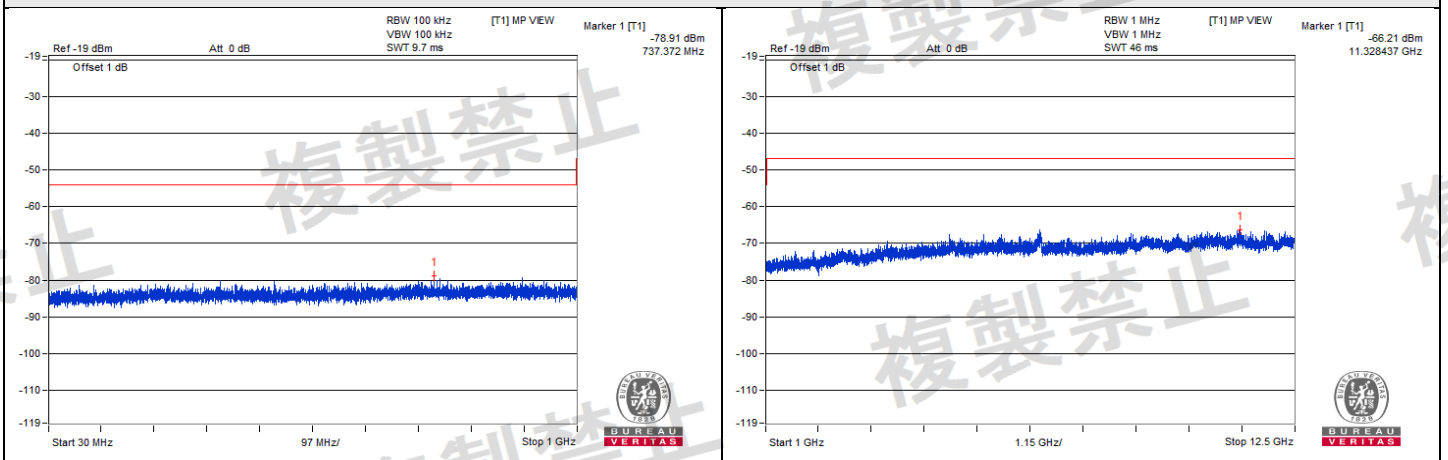


BUREAU
VERITAS

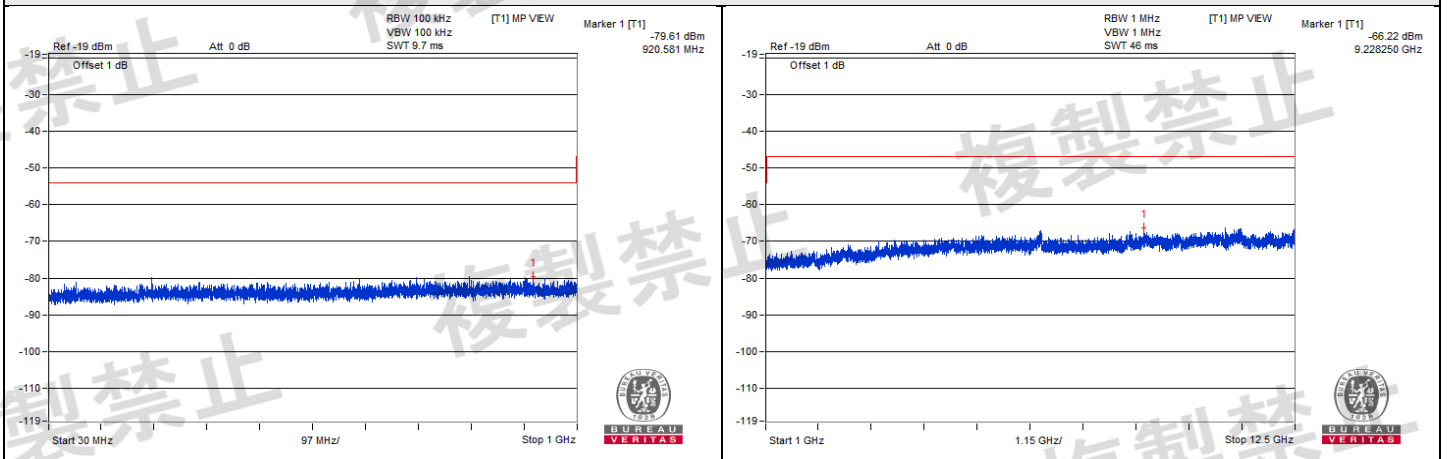
V_{normal}



V_{max}



V_{min}



CH 39 (2480 MHz)

7.5 Antenna Power

Environmental Conditions:	25°C, 76% RH	Tested By:	Dalen Dai
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SRD 1M

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
5	0	2402	6.918	7.762
	19	2440	6.808	7.639
	39	2480	7.145	8.017
5.5	0	2402	6.966	7.816
	19	2440	6.622	7.43
	39	2480	7.194	8.072
4.5	0	2402	6.934	7.78
	19	2440	6.577	7.38
	39	2480	7.413	8.318
Maximum Limit (mW):			10	-
Rated Power (mW):			8	-
Maximum Tolerance of Antenna Power (mW):			9.6	-
Maximum EIRP Limit (mW):			-	16.368

Notes:

1. Antenna gain is 0.5 dBi.
2. The radiated RF output power is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power = Conducted RF output power + Antenna gain

SRD 2M

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
5	0	2402	6.871	7.709
	19	2440	6.683	7.498
	39	2480	7.112	7.98
5.5	0	2402	6.918	7.762
	19	2440	6.871	7.709
	39	2480	7.244	8.128
4.5	0	2402	6.637	7.447
	19	2440	6.412	7.194
	39	2480	7.015	7.871
Maximum Limit (mW):			10	-
Rated Power (mW):			8	-
Maximum Tolerance of Antenna Power (mW):			9.6	-
Maximum EIRP Limit (mW):			-	16.368

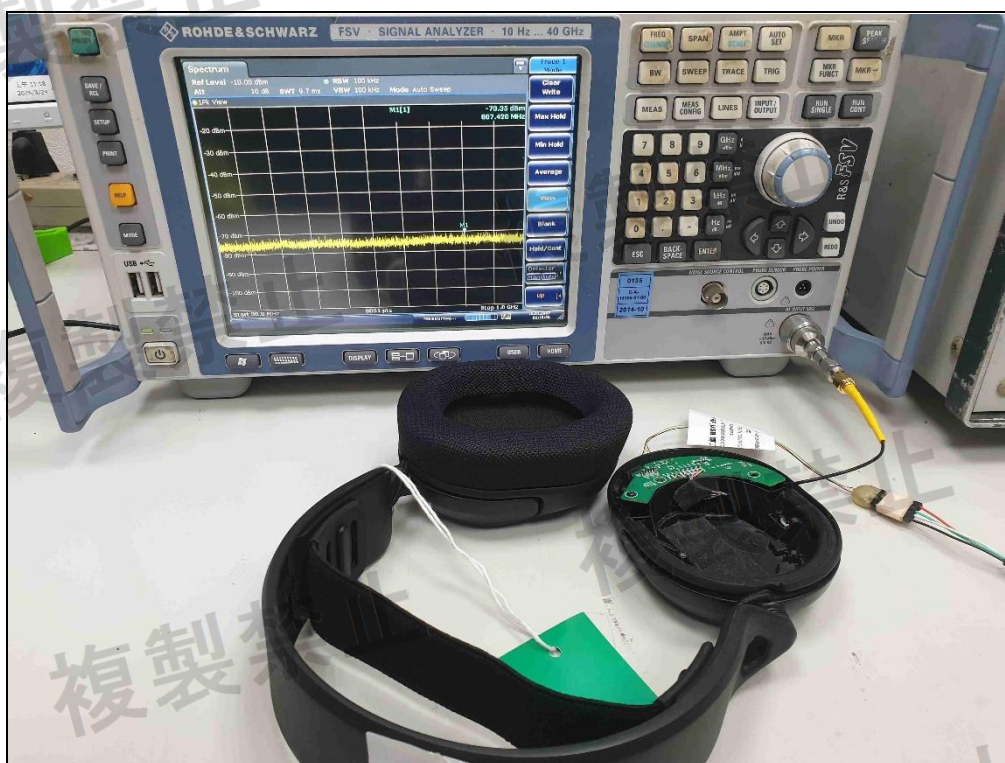
Notes:

1. Antenna gain is 0.5 dBi.
2. The radiated RF output power is a “calculated” value derived from the conducted value.
3. Formula: Radiated RF output power = Conducted RF output power + Antenna gain

7.6 Interference Prevention Function

Environmental Conditions:	25°C, 60% RH	Tested By:	Waydi Tuan
Link Mode		Test Result	
GFSK		Pass	

8 Pictures of Test Arrangements



9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

Web Site: <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

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