

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19
Report No.: RJBBDJ-WTW-P25100418-1
Product: Wireless Mouse
Brand: CORSAIR
Model No.: RGP0178
Received Date: 2025/10/20
Test Date: 2025/11/12 ~ 2025/11/19
Issued Date: 2025/12/19
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:

2025/12/19

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RJBBDJ-WTW-P25100418-1	Original release.	2025/12/19

1 Certificate

Product: Wireless Mouse

Brand: CORSAIR

Test Model: RGP0178

Sample Status: Engineering sample

Applicant: Corsair Memory, Inc.

Test Date: 2025/11/12 ~ 2025/11/19

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 Mouse
Brand	CORSAIR
Test Model	RGP0178
Test Software Version	cmd v10.0.22631.6060
Status of EUT	Engineering sample
Power Supply Rating	3.7Vdc from battery or 5Vdc from host equipment
Modulation Type	GFSK
Transfer Rate	2Mbps/4Mbps
Operating Frequency	2Mbps: 2.403 GHz ~ 2.48 GHz 4Mbps: 2.405 GHz ~ 2.477 GHz
Number of Channel	2Mbps: 78 4Mbps: 73
Housing Requirements	Particular screw and separating the housing was only possible by special tools.

Note:

1. Accessory to accompany with EUT.

Item	Brand	Model	Specification
USB cable	win-tong	20306-007500A002	Shielded 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)
GFSK 2M	4	3.741	6.209
GFSK 4M	5	4.018	6.668

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Gain (dBi)	Antenna Type	Connector Type
2.2	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

SRD 2M: 78 channels are provided to this EUT:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2403	20	2423	40	2443	60	2463
1	2404	21	2424	41	2444	61	2464
2	2405	22	2425	42	2445	62	2465
3	2406	23	2426	43	2446	63	2466
4	2407	24	2427	44	2447	64	2467
5	2408	25	2428	45	2448	65	2468
6	2409	26	2429	46	2449	66	2469
7	2410	27	2430	47	2450	67	2470
8	2411	28	2431	48	2451	68	2471
9	2412	29	2432	49	2452	69	2472
10	2413	30	2433	50	2453	70	2473
11	2414	31	2434	51	2454	71	2474
12	2415	32	2435	52	2455	72	2475
13	2416	33	2436	53	2456	73	2476
14	2417	34	2437	54	2457	74	2477
15	2418	35	2438	55	2458	75	2478
16	2419	36	2439	56	2459	76	2479
17	2420	37	2440	57	2460	77	2480
18	2421	38	2441	58	2461		
19	2422	39	2442	59	2462		

SRD 4M: 73 channels are provided to this EUT:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2	2405	22	2425	42	2445	62	2465
3	2406	23	2426	43	2446	63	2466
4	2407	24	2427	44	2447	64	2467
5	2408	25	2428	45	2448	65	2468
6	2409	26	2429	46	2449	66	2469
7	2410	27	2430	47	2450	67	2470
8	2411	28	2431	48	2451	68	2471
9	2412	29	2432	49	2452	69	2472
10	2413	30	2433	50	2453	70	2473
11	2414	31	2434	51	2454	71	2474
12	2415	32	2435	52	2455	72	2475
13	2416	33	2436	53	2456	73	2476
14	2417	34	2437	54	2457	74	2477
15	2418	35	2438	55	2458		
16	2419	36	2439	56	2459		
17	2420	37	2440	57	2460		
18	2421	38	2441	58	2461		
19	2422	39	2442	59	2462		
20	2423	40	2443	60	2463		
21	2424	41	2444	61	2464		

3.5 Power Setting

Operation Mode	Channel	Power Setting
GFSK 2M	0	8
	37	8
	77	8
GFSK 4M	2	8
	37	8
	74	8

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 with internal Battery /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 2M	0, 37, 77	unmodulated	-
	SRD 4M	2, 37, 74	unmodulated	-
Occupied Bandwidth	SRD 2M	0, 37, 77	GFSK	2Mb/s
	SRD 4M	2, 37, 74	GFSK	4Mb/s
Spurious Emissions	SRD 2M	0, 37, 77	GFSK	2Mb/s
	SRD 4M	2, 37, 74	GFSK	4Mb/s
Spurious Emissions of Receiver	SRD 2M	0, 37, 77	-	-
	SRD 4M	2, 37, 74	-	-
Antenna Power	SRD 2M	0, 37, 77	GFSK	2Mb/s
	SRD 4M	2, 37, 74	GFSK	4Mb/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
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22	BV CPS E&E	(d)
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	ADT_RF Test Software V6.6.5.4	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
- Tested Date: 2025/11/12

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
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22	BV CPS E&E	(d)
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	2025/1/21	2026/1/20	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
- Tested Date: 2025/11/12

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)
		102033	2025/9/12	2026/9/11	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 - Adaptive
- Tested Date: 2025/11/19

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")

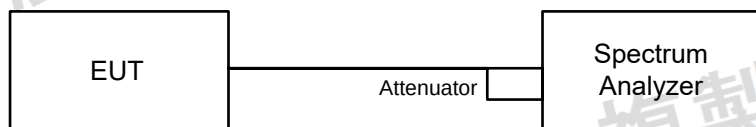
5.6 Interference Prevention Function

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

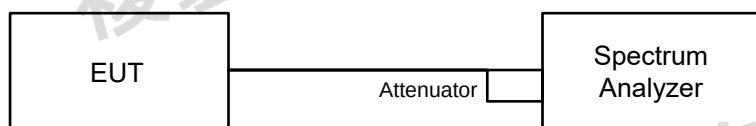
When performing radiolocation work: A function that allows you to distinguish between reflected waves of radio waves transmitted by your own station and radio waves transmitted by other radio stations by identifying the modulation method and other characteristics of received radio waves. (However, if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

6 Test Arrangements

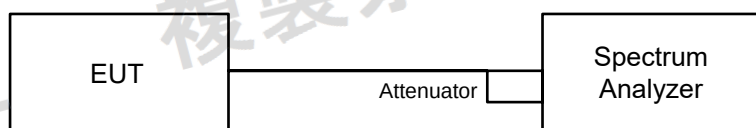
6.1 Frequency Tolerance



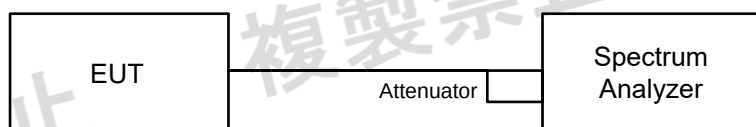
6.2 Occupied Bandwidth



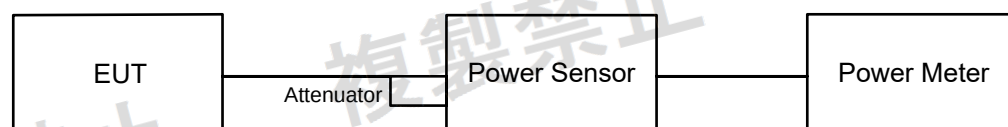
6.3 Spurious Emissions



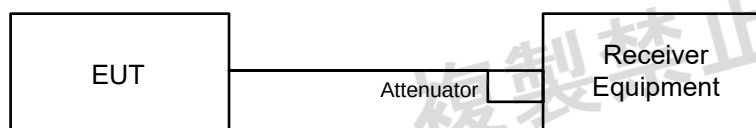
6.4 Spurious Emissions of Receiver



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:	Pirar Hsieh
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SRD 2M

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	2403	2403.017520	7.291	2403.017479	7.274	2403.017439	7.257
37	2440	2440.017760	7.279	2440.017759	7.278	2440.017680	7.246
77	2480	2480.017999	7.258	2480.017920	7.226	2480.018000	7.258

SRD 4M

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)
2	2405	2405.017400	7.235	2405.017440	7.252	2405.017400	7.235
37	2440	2440.017679	7.245	2440.017719	7.262	2440.017639	7.229
74	2477	2477.017920	7.235	2477.017920	7.235	2477.017880	7.218

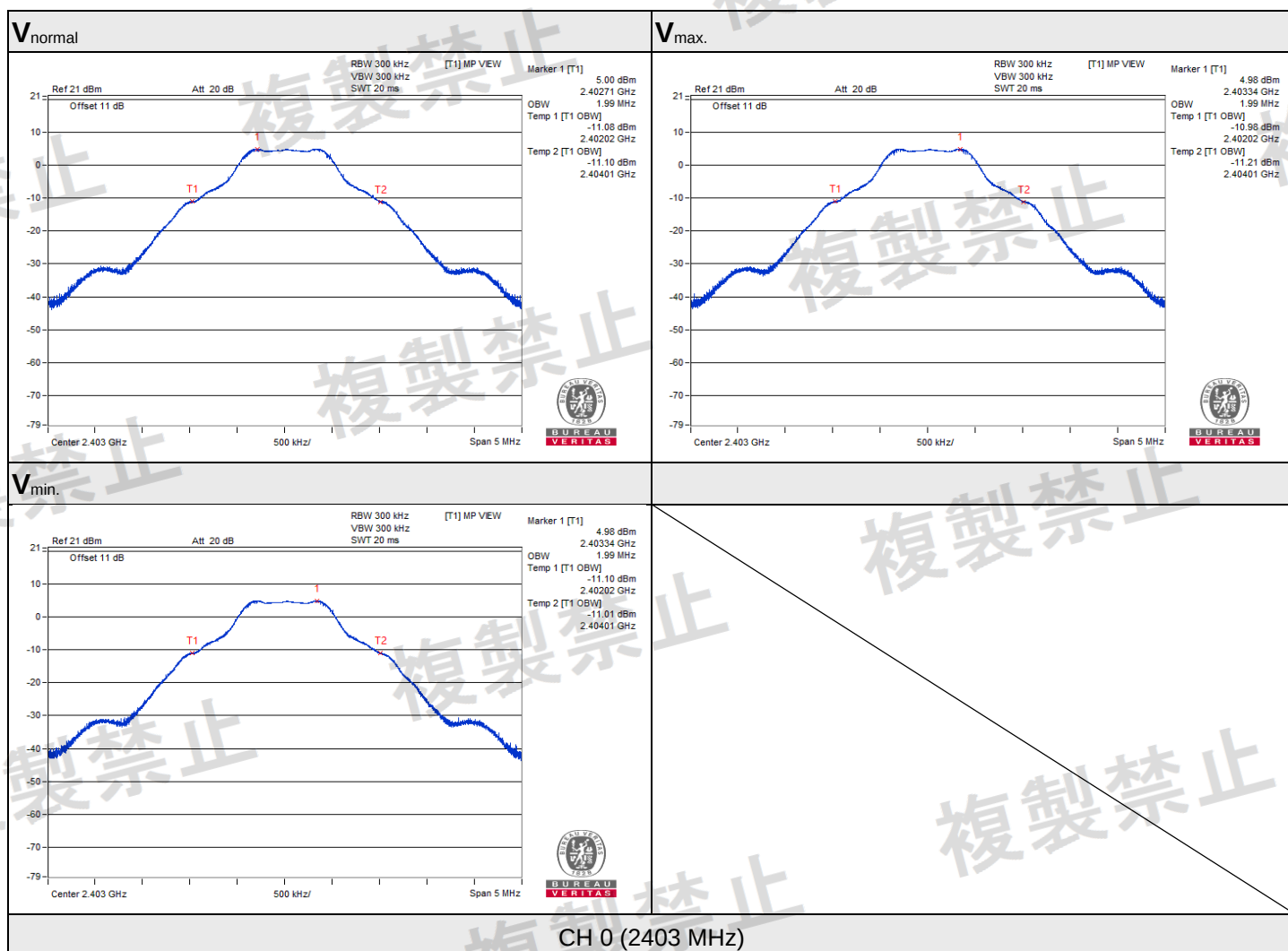
7.2 Occupied Bandwidth

Environmental Conditions:	25°C, 76% RH	Tested By:	Pirar Hsieh
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SRD 2M

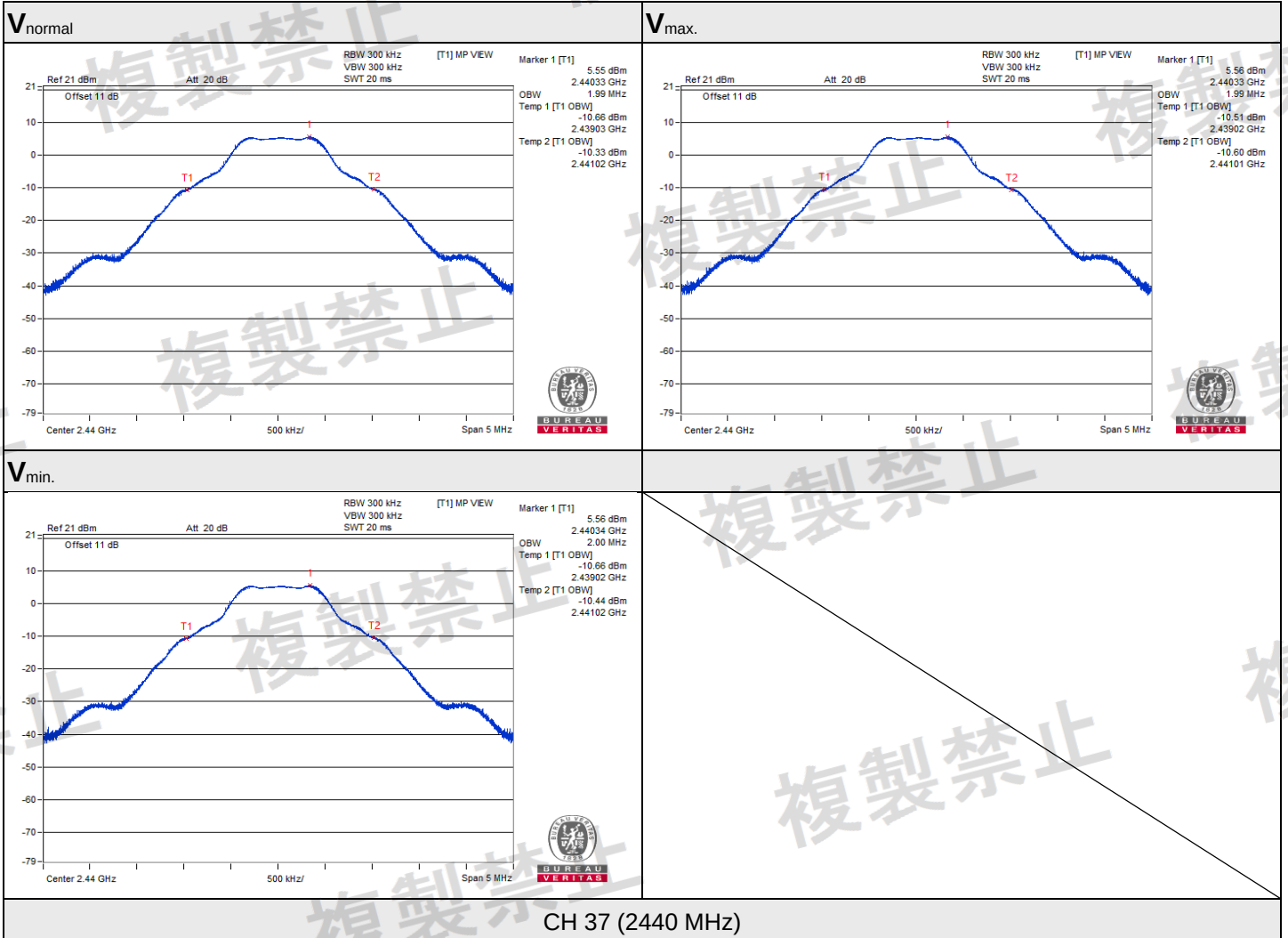
Channel	Frequency (MHz)	V _{normal}	V _{max.}	V _{min.}
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
0	2403	1.99	1.99	1.99
37	2440	1.99	1.99	2.00
77	2480	1.99	1.99	1.99

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



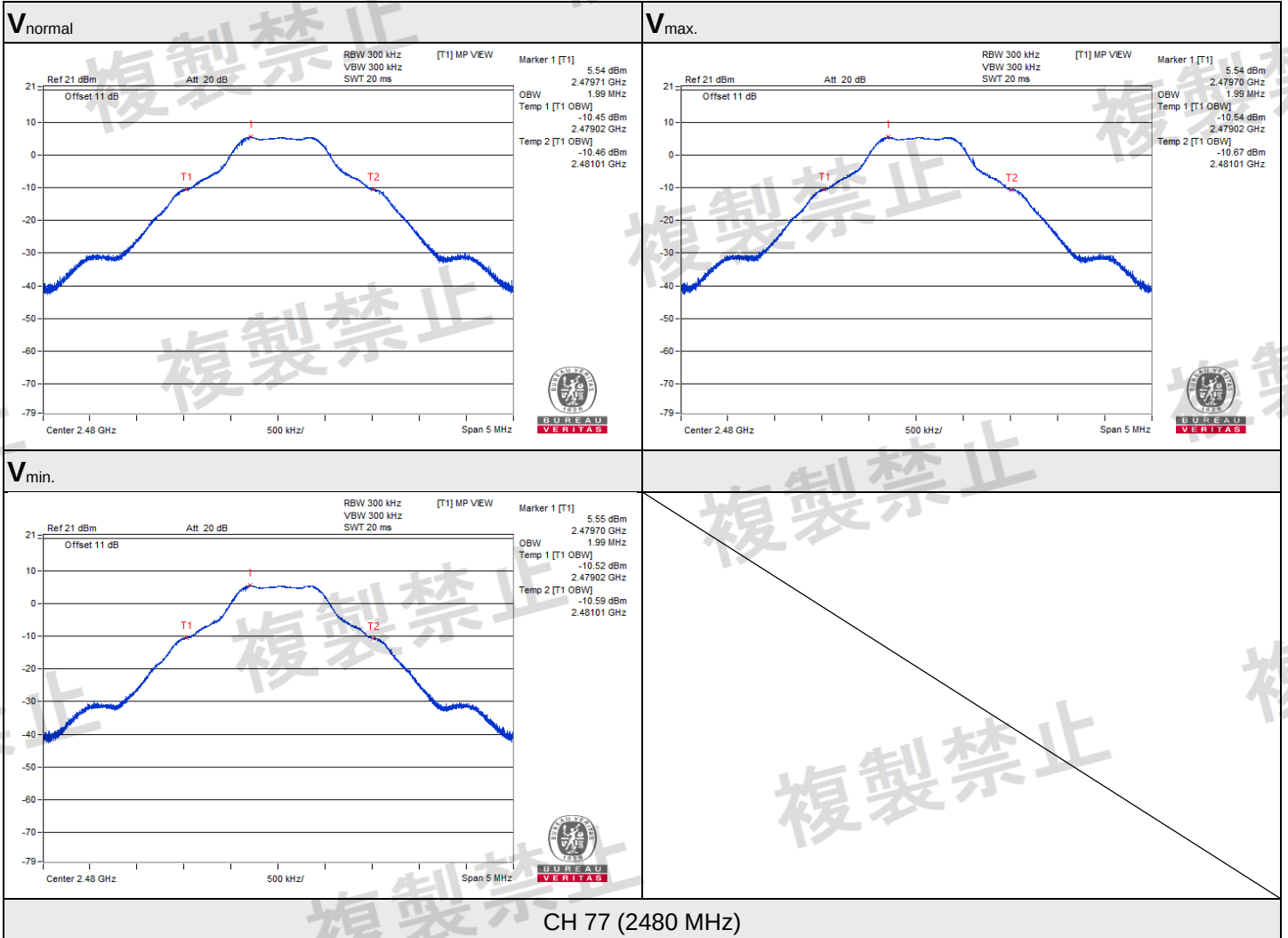


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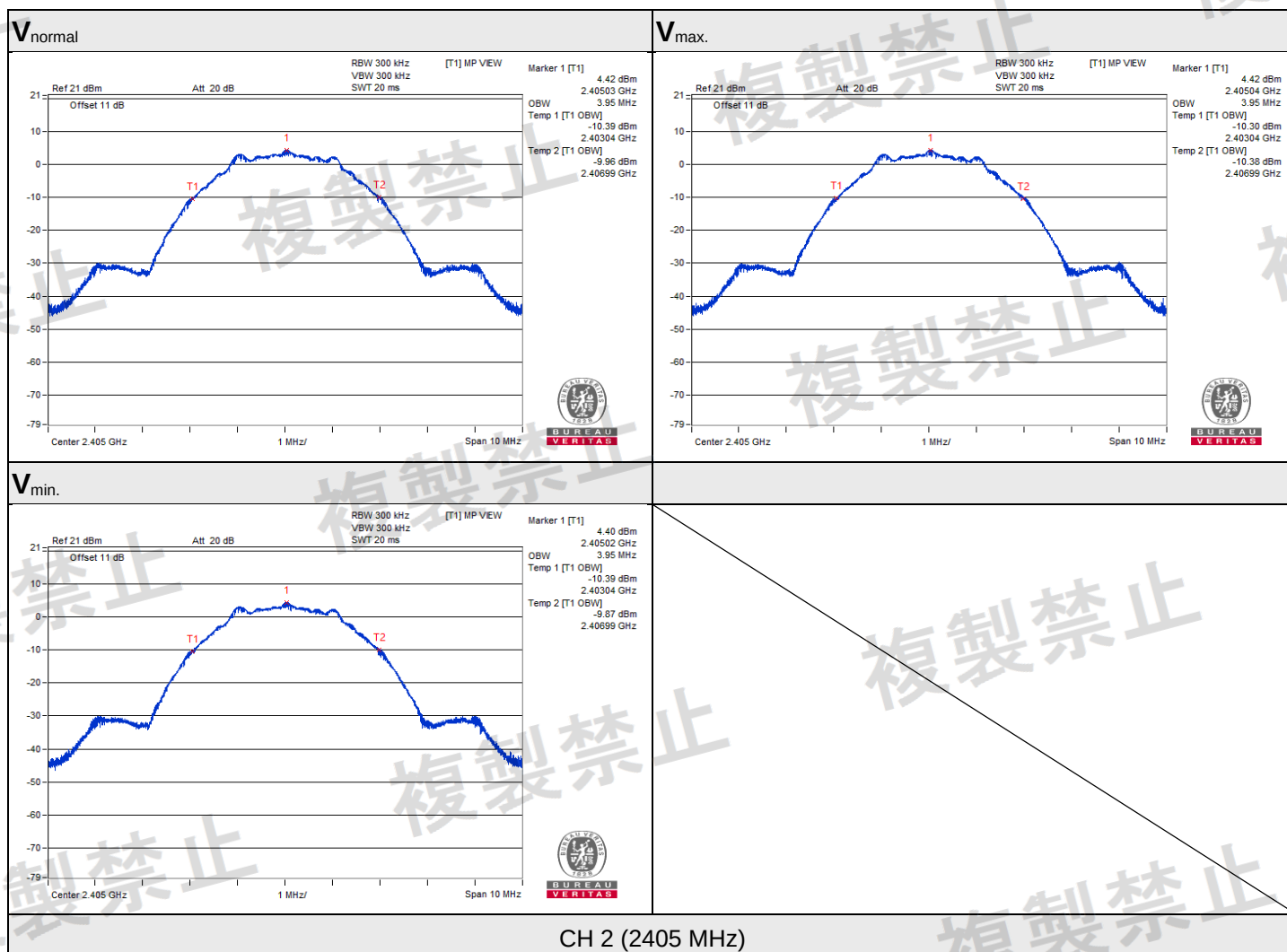
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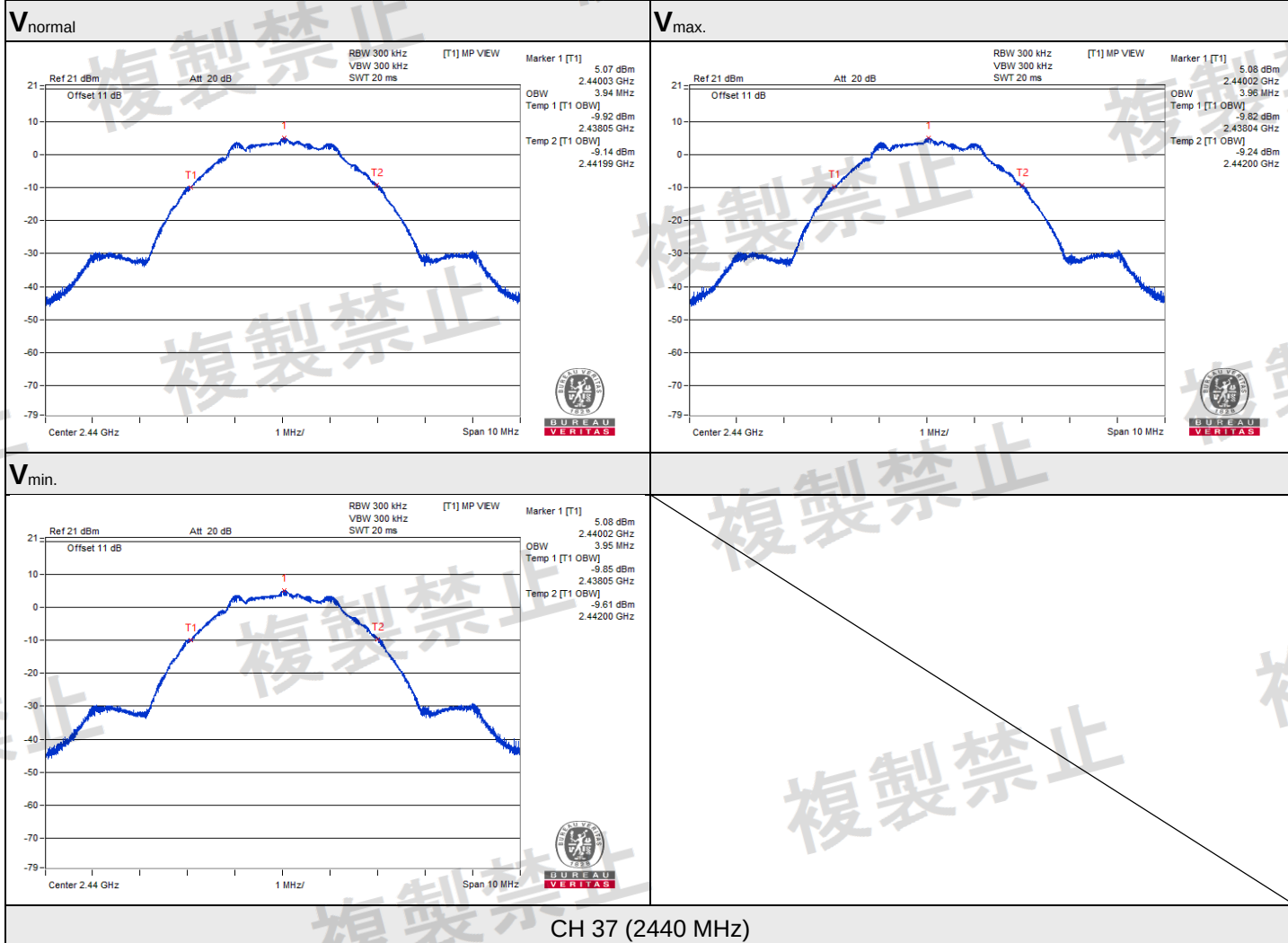


SRD 4M

Channel	Frequency (MHz)	V _{normal}	V _{max.}	V _{min.}
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
2	2405	3.95	3.95	3.95
37	2440	3.94	3.96	3.95
74	2477	3.96	3.96	3.96

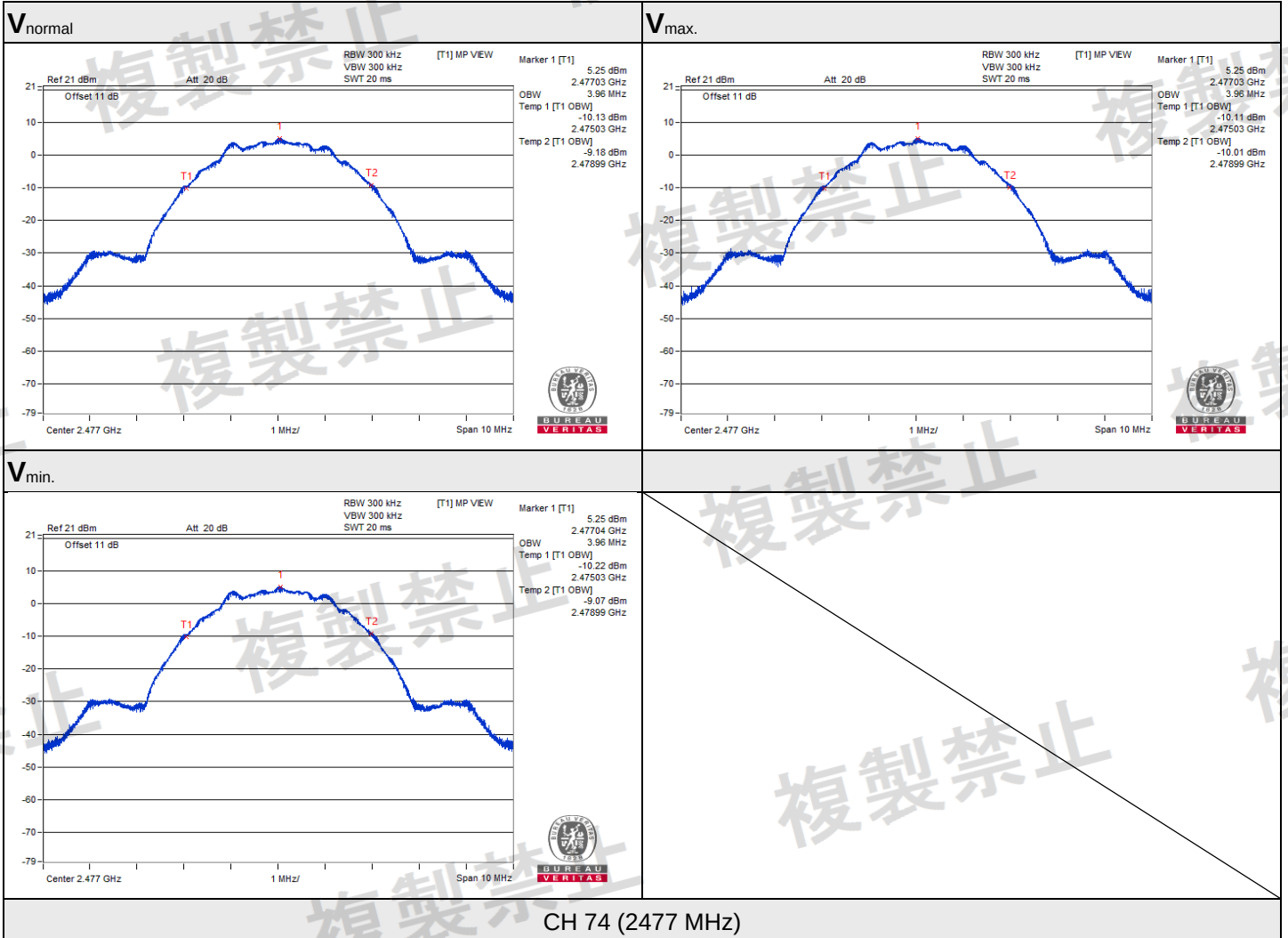
NOTE: For the test plots please refer to the below pages.







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7.3 Spurious Emissions

Environmental Conditions:	25°C, 76% RH	Tested By:	Pirar Hsieh
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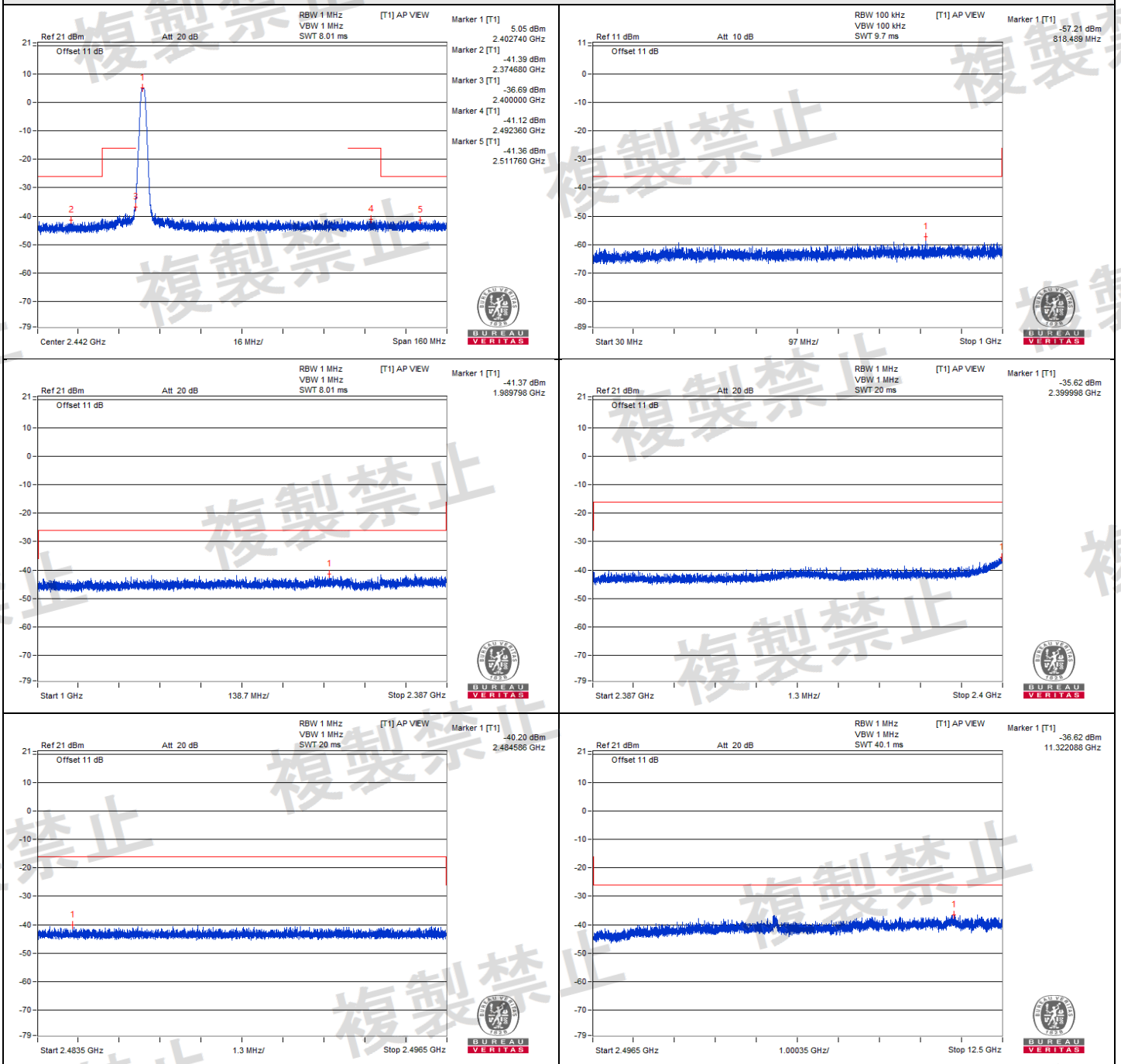
SRD 2M

TEST CHANNEL		CH 0 (2403 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	818.489	0.001901 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1989.798	0.072946 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	0.274157 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.586	0.095499 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11322.088	0.217771 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	982.783	0.001253 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2267.545	0.073282 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.987	0.284446 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2494.374	0.108143 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11308.333	0.247172 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	872.566	0.001514 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2302.740	0.075683 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.964	0.279254 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2494.511	0.094189 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	9295.129	0.220293 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 37 (2440 MHz)			
V_{normal}	30MHz to 1000MHz	908.699	0.001242 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2032.795	0.069502 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.826	0.090157 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2494.781	0.09594 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10678.113	0.232809 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	877.174	0.001161 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2315.396	0.086896 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.569	0.09594 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2492.725	0.090573 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11259.566	0.232809 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	772.293	0.001377 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2322.851	0.069024 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2391.961	0.084723 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.758	0.089331 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11330.841	0.287078 uW/MHz	2.5 uW/MHz	PASS

TEST CHANNEL		CH 77 (2480 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	857.410	0.00113 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2211.198	0.090782 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.313	0.08531 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.580	0.20797 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11354.599	0.254097 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	358.709	0.001259 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2269.625	0.073961 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2398.017	0.08531 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.554	0.205589 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11273.321	0.291072 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	732.523	0.001671 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2355.099	0.080724 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2391.717	0.085704 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.508	0.267301 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11213.300	0.245471 uW/MHz	2.5 uW/MHz	PASS

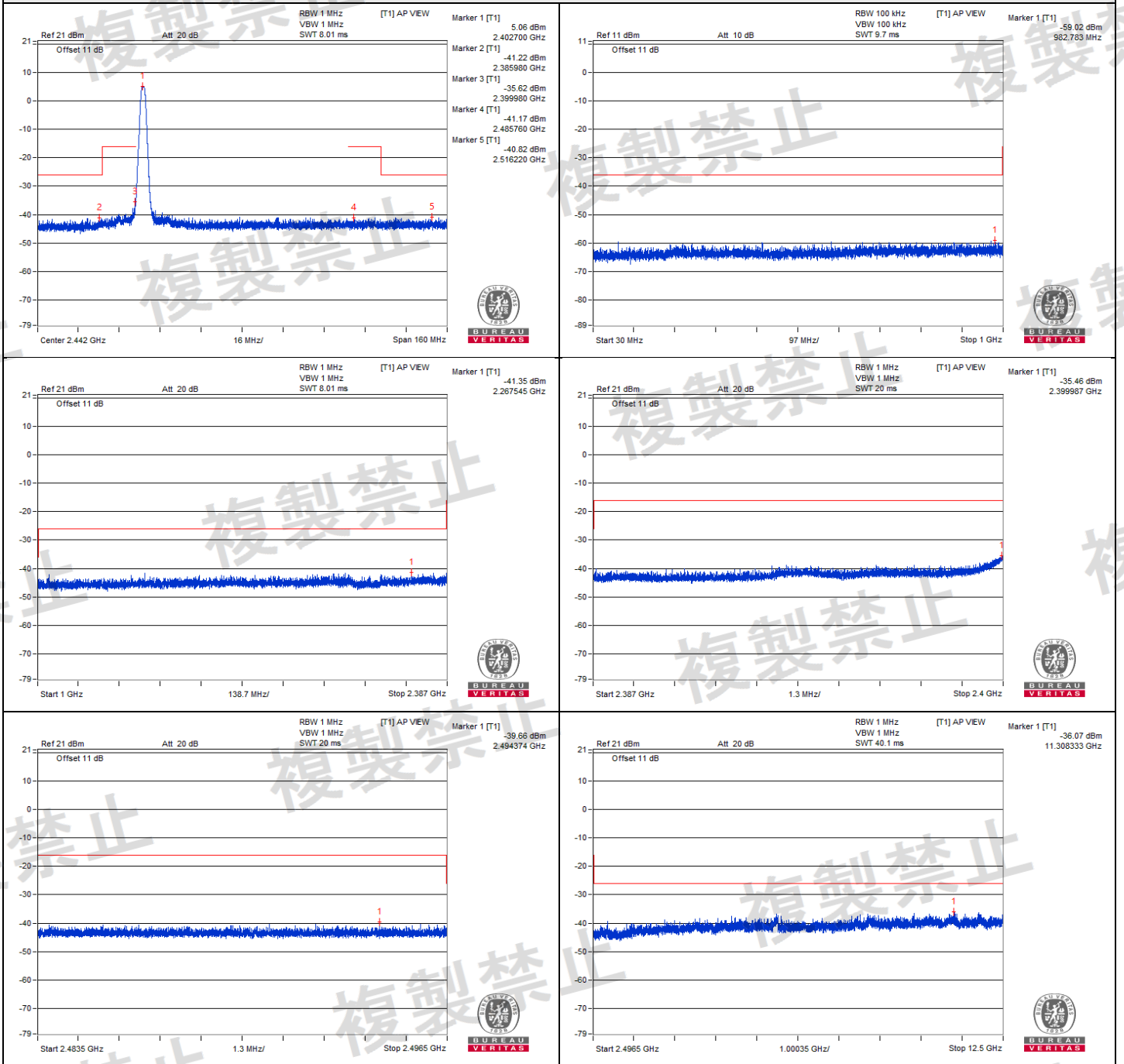
NOTE: 1. The spectrum plots are attached on the following pages.

Vnormal



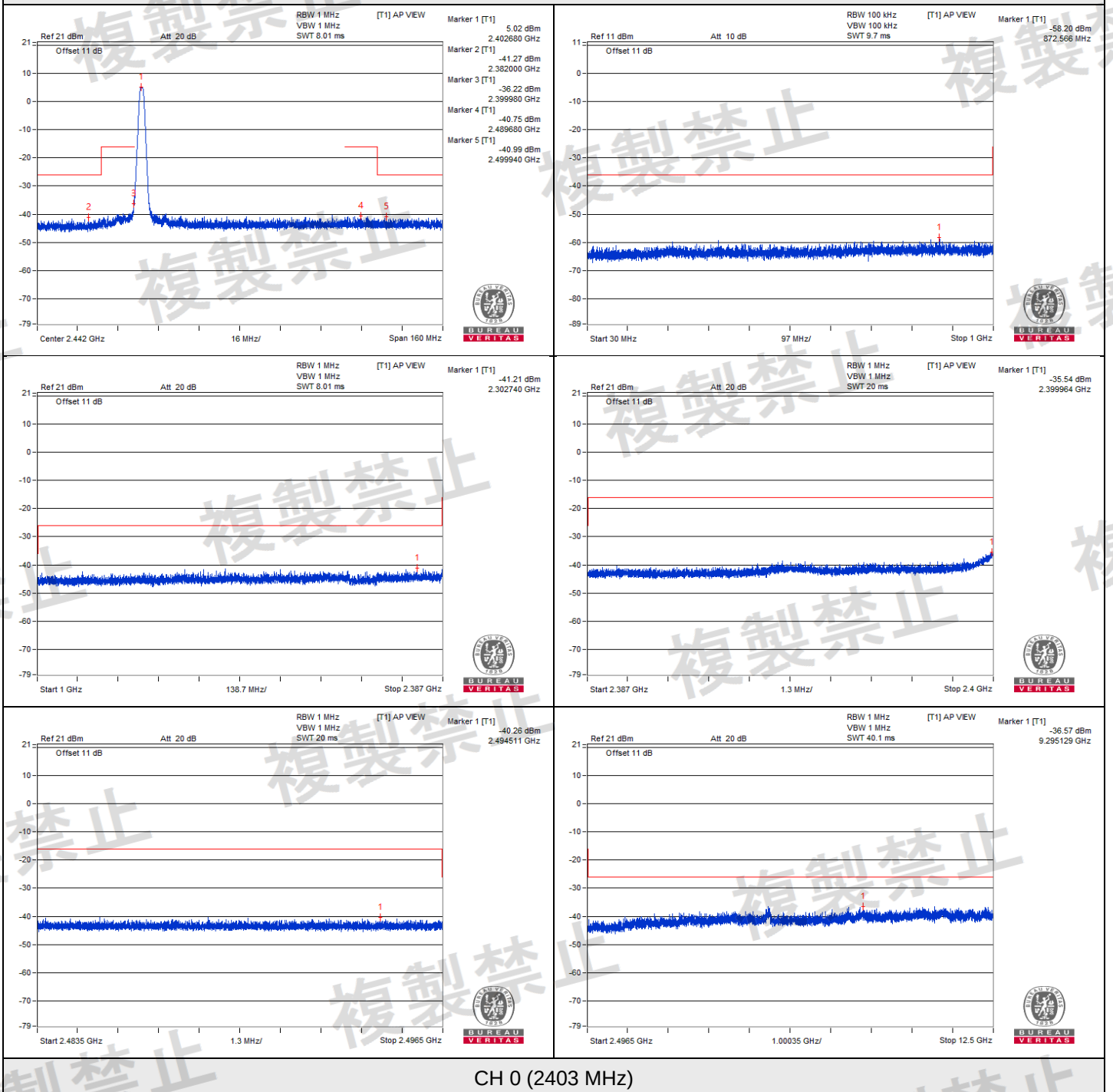
CH 0 (2403 MHz)

Vmax.

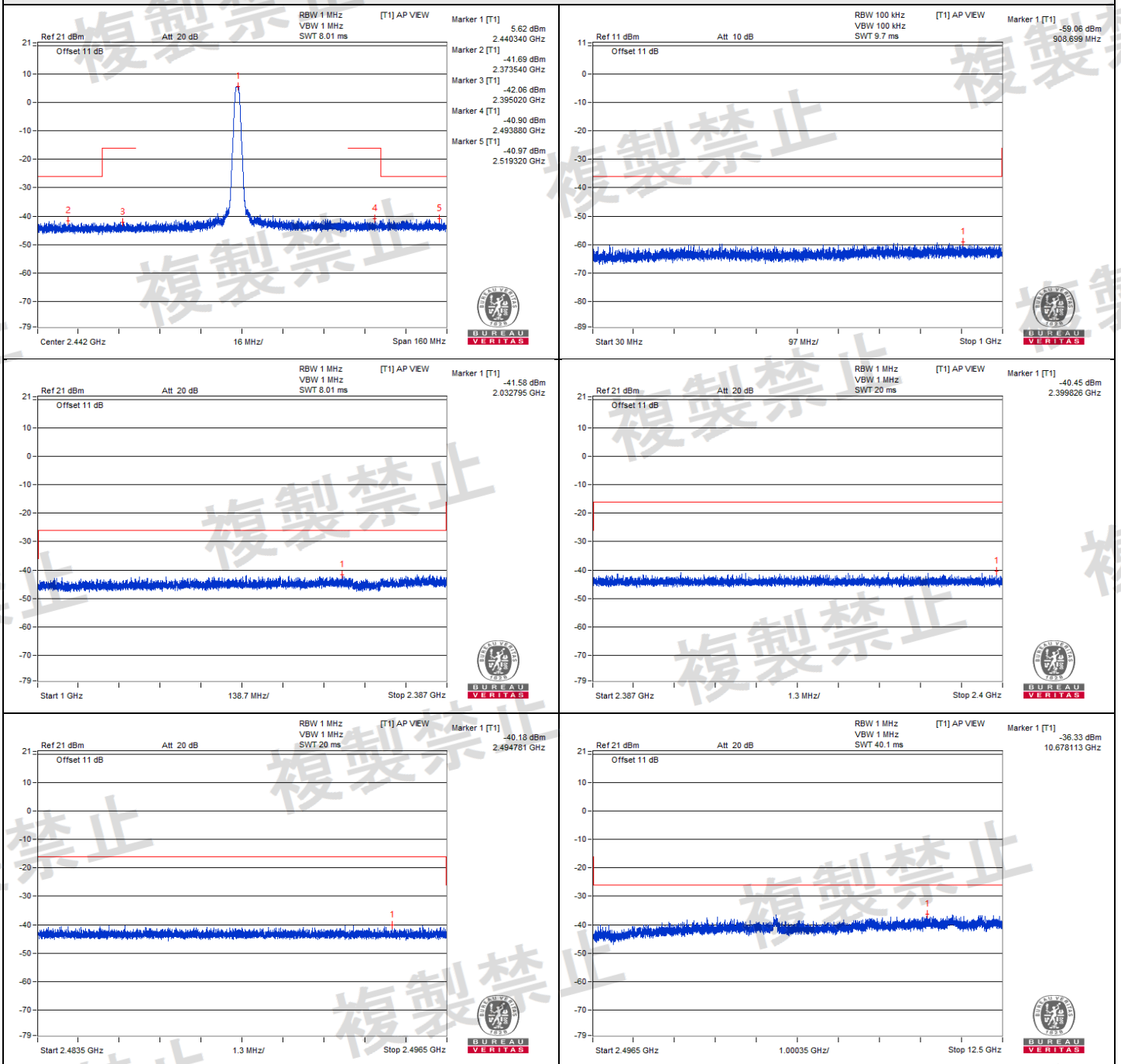


CH 0 (2403 MHz)

Vmin.

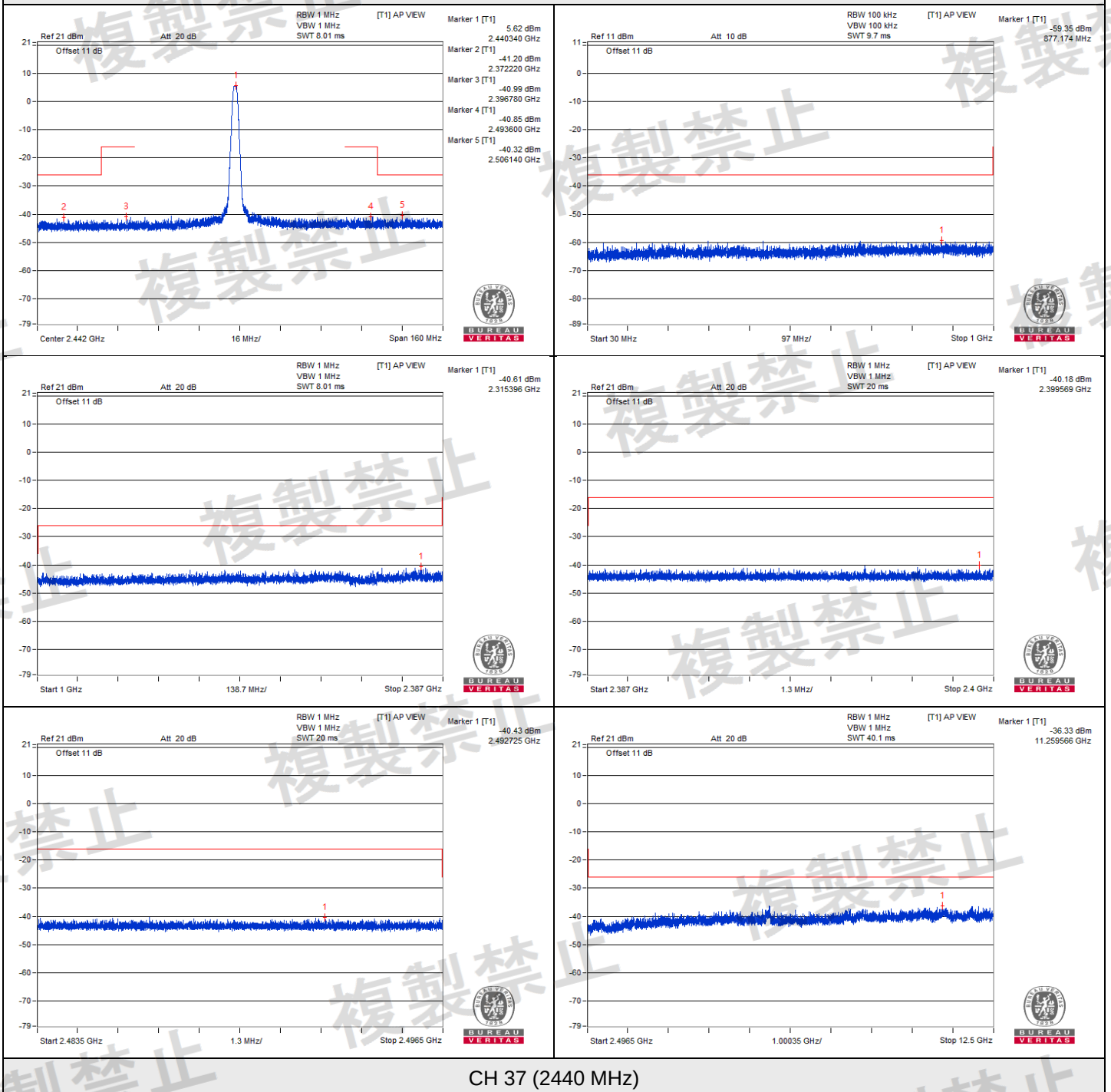


Vnormal



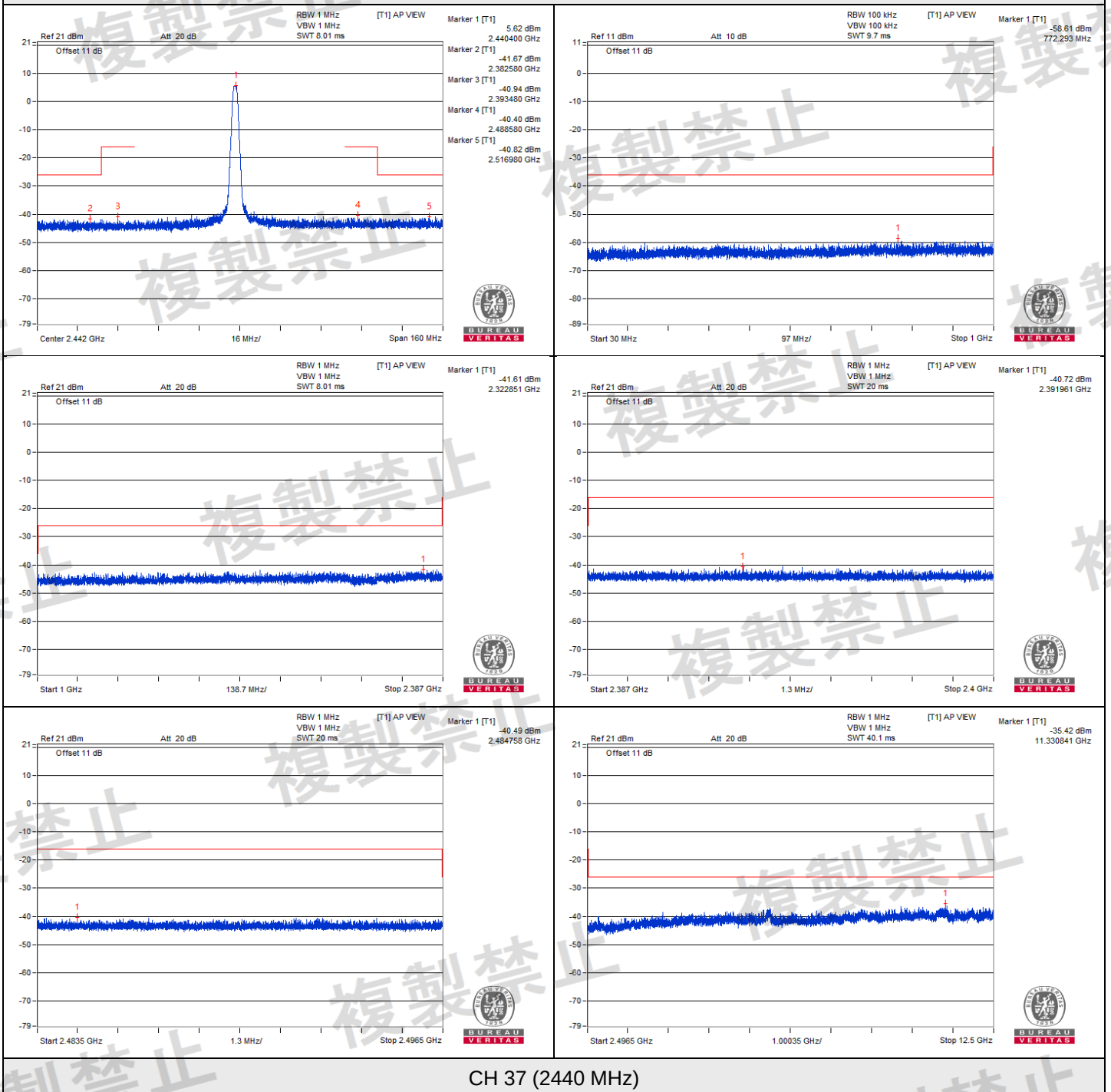
CH 37 (2440 MHz)

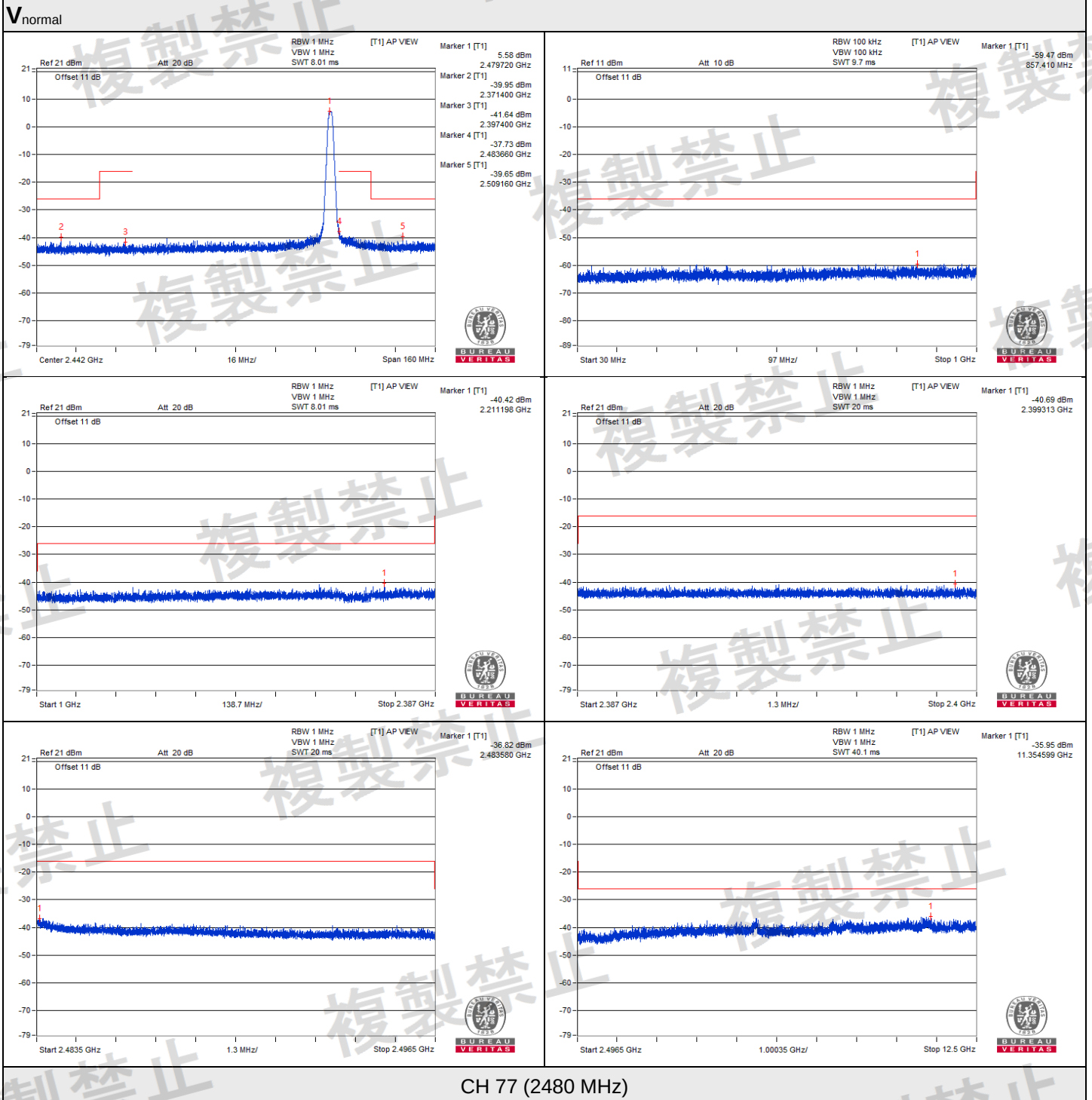
Vmax.



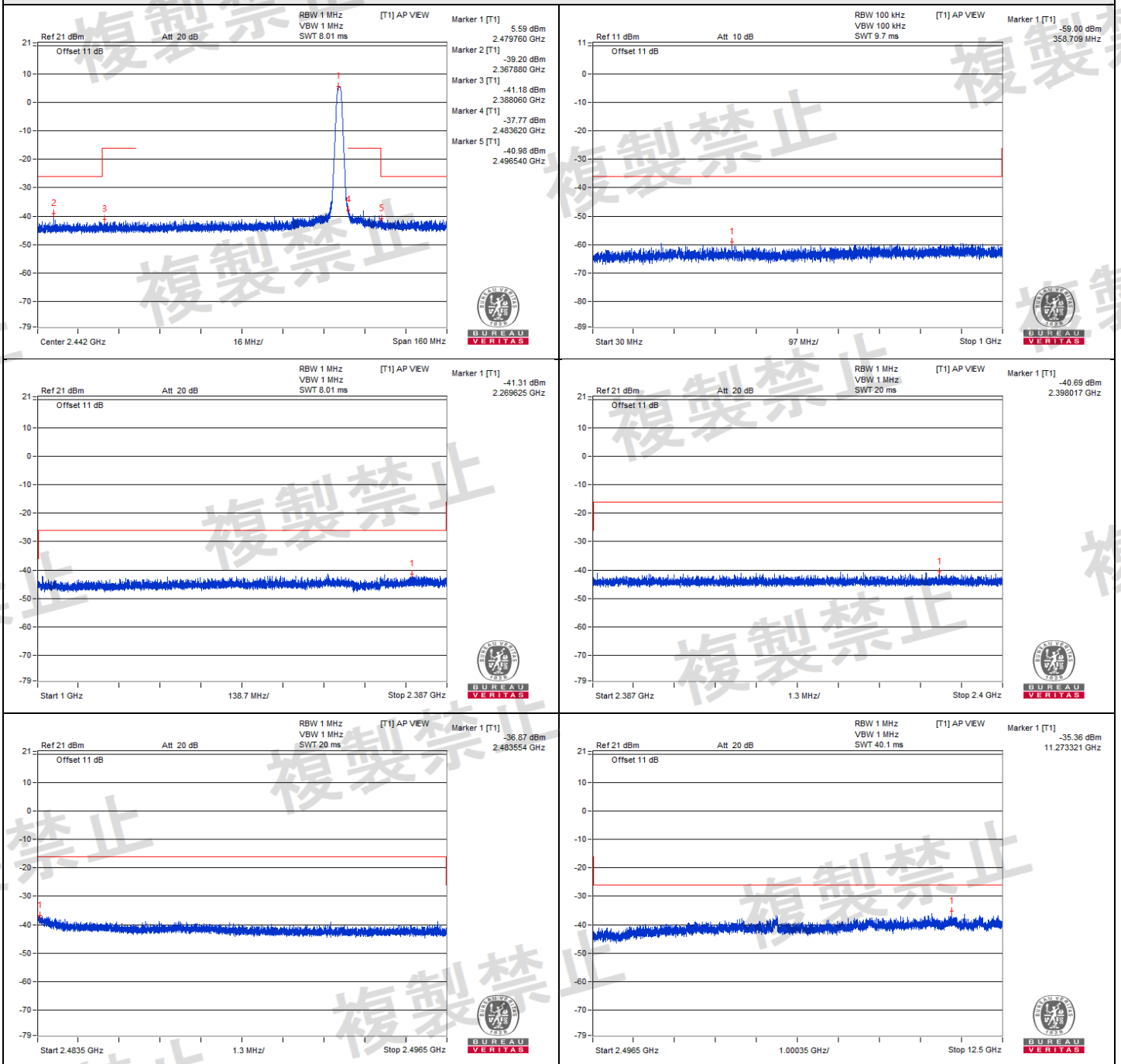
CH 37 (2440 MHz)

Vmin.



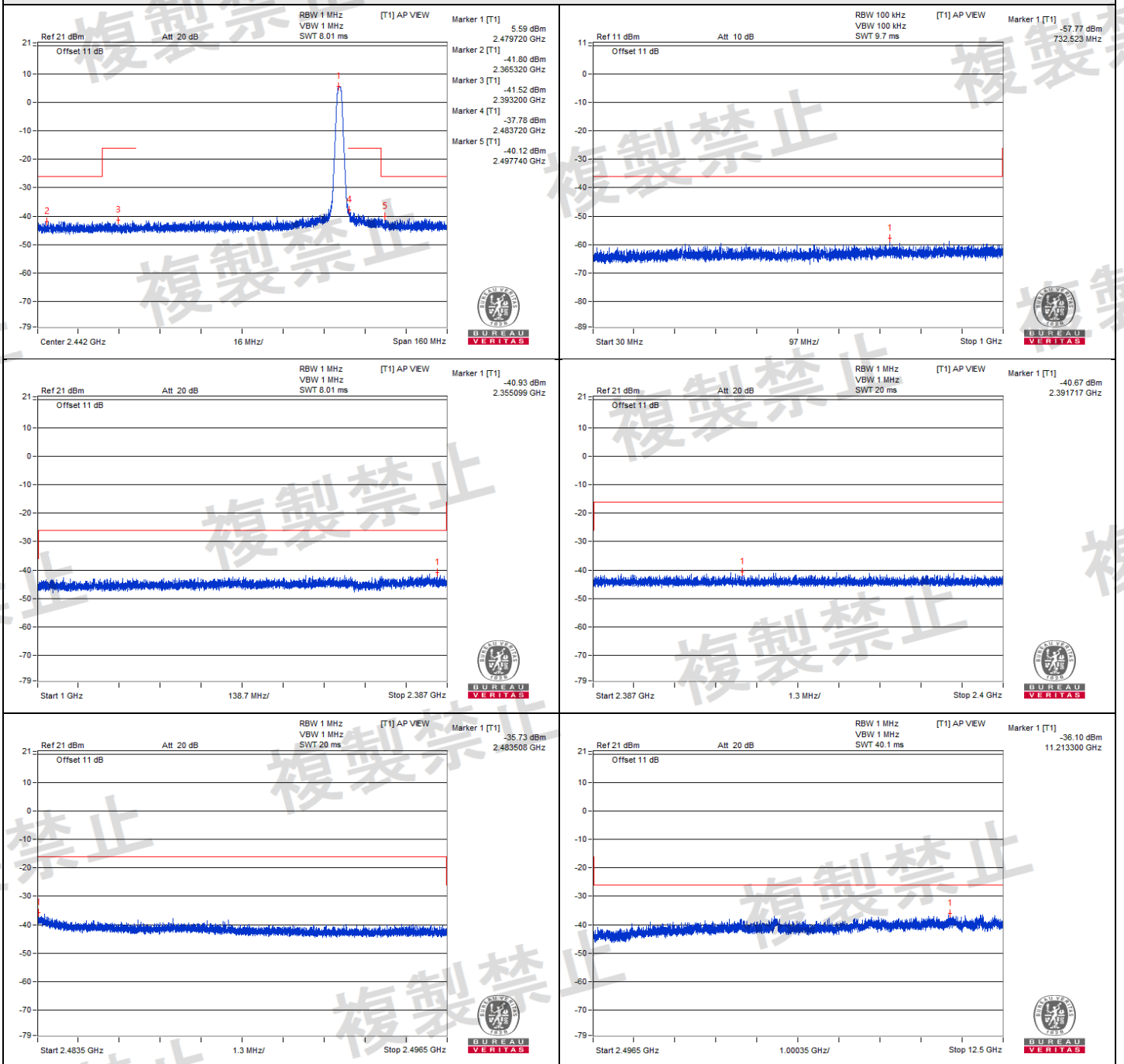


Vmax.



CH 77 (2480 MHz)

V_{min}.



CH 77 (2480 MHz)

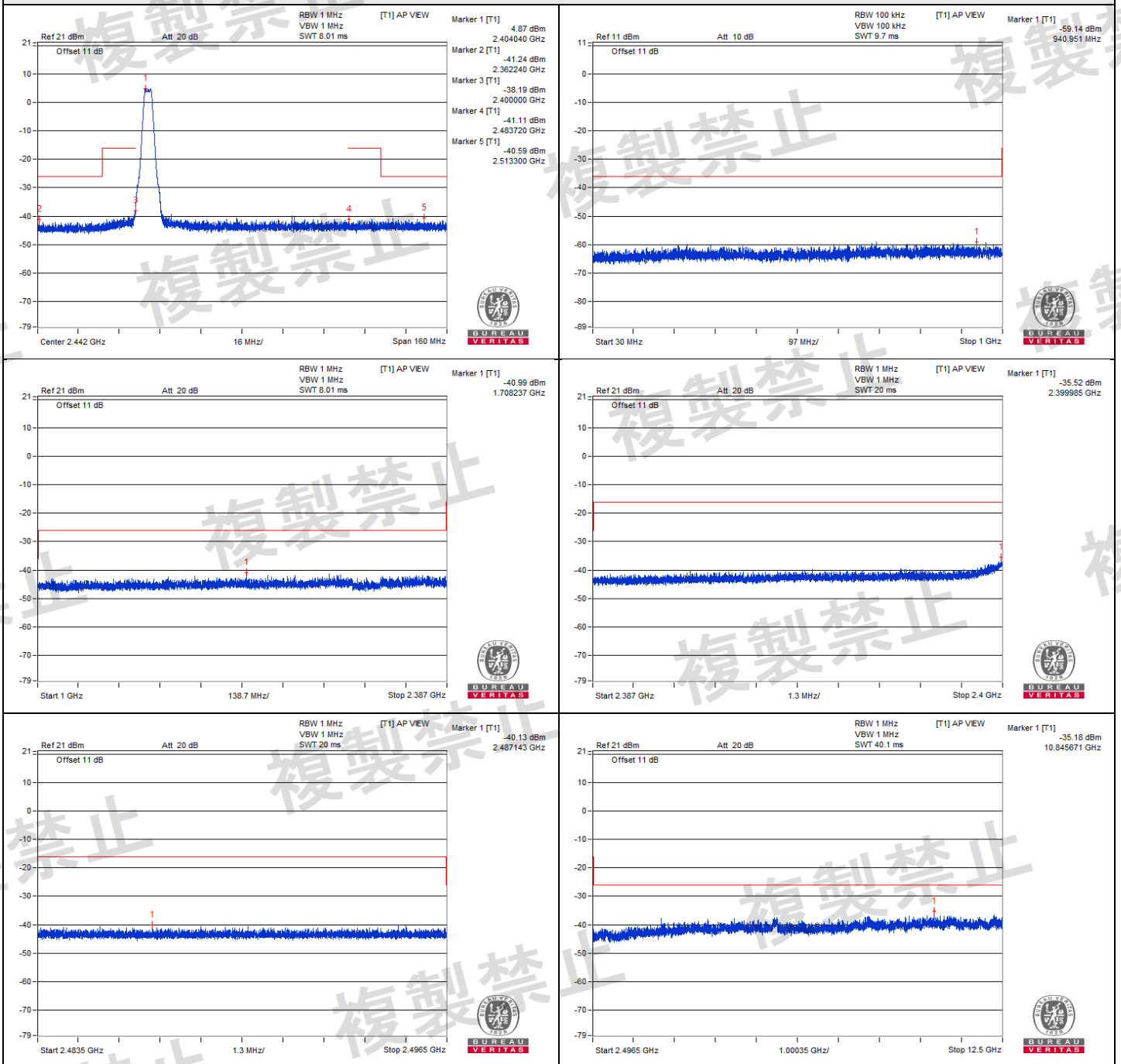
SRD 4M

TEST CHANNEL		CH 2 (2405 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	940.951	0.001219 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1708.237	0.079616 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.985	0.280543 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2487.143	0.097051 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10845.671	0.303389 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	764.533	0.001091 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1157.251	0.068865 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.941	0.198153 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.082	0.100462 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10784.400	0.252348 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	996.241	0.001303 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2309.848	0.074989 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.927	0.197697 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2489.313	0.093541 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10846.922	0.236048 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 37 (2440 MHz)			
V_{normal}	30MHz to 1000MHz	858.016	0.001242 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2194.554	0.074473 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2387.874	0.082794 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2490.531	0.101859 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	6995.574	0.268534 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	910.275	0.001109 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1839.655	0.079433 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2395.315	0.091411 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2490.993	0.099541 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10725.629	0.267917 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	793.633	0.001349 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2362.034	0.065464 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2393.570	0.075858 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2490.848	0.090573 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11254.564	0.225424 uW/MHz	2.5 uW/MHz	PASS

TEST CHANNEL		CH 74 (2477 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	988.481	0.001442 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2179.817	0.079799 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2390.692	0.081096 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.747	0.142561 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11229.556	0.243781 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	703.180	0.001285 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2186.058	0.07379 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2389.589	0.094406 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2489.709	0.141906 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	10438.029	0.237137 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	997.575	0.001327 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2002.801	0.077268 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2397.494	0.082224 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.700	0.150314 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	11233.307	0.233346 uW/MHz	2.5 uW/MHz	PASS

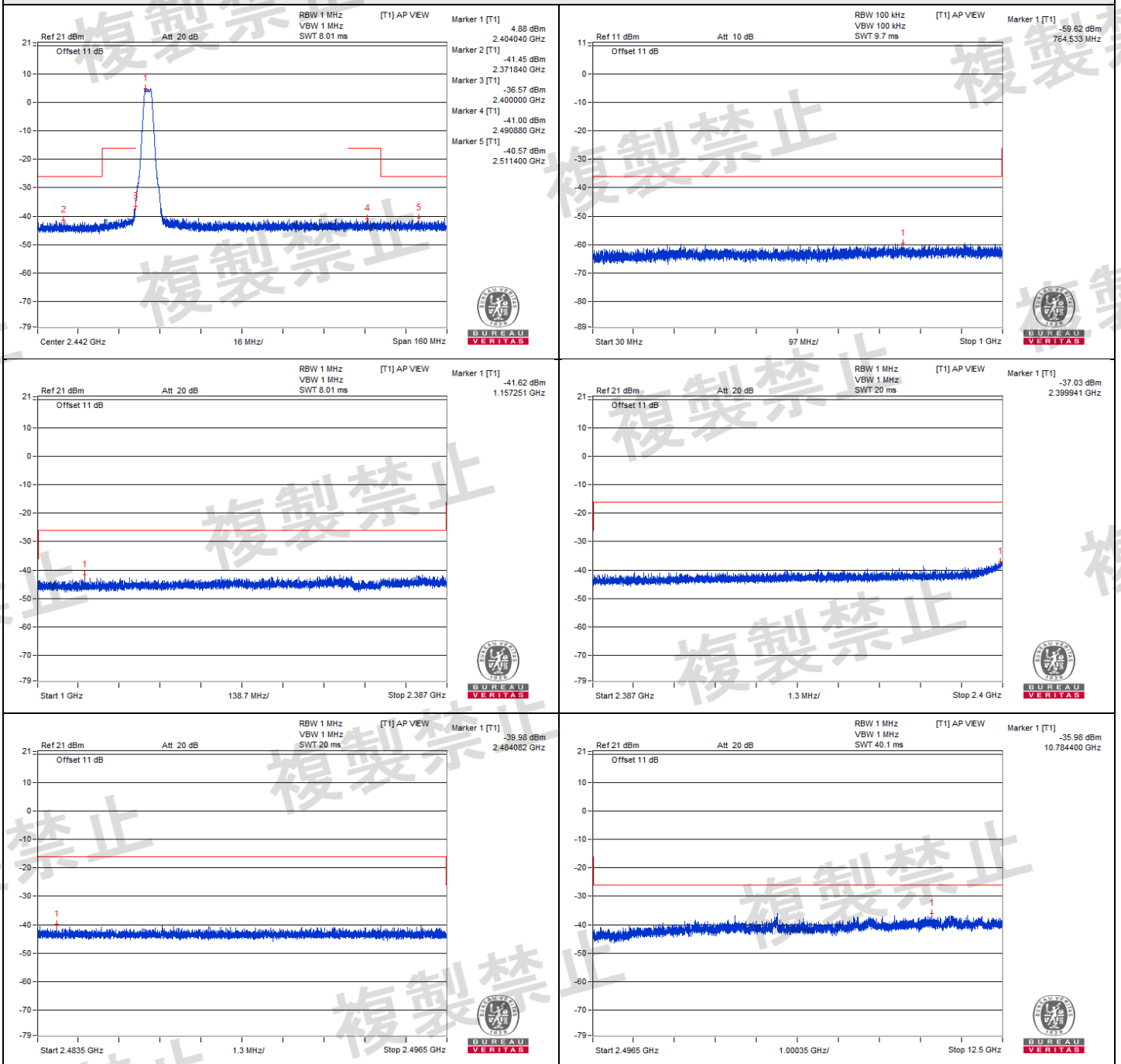
NOTE: 1. The spectrum plots are attached on the following pages.

Vnormal



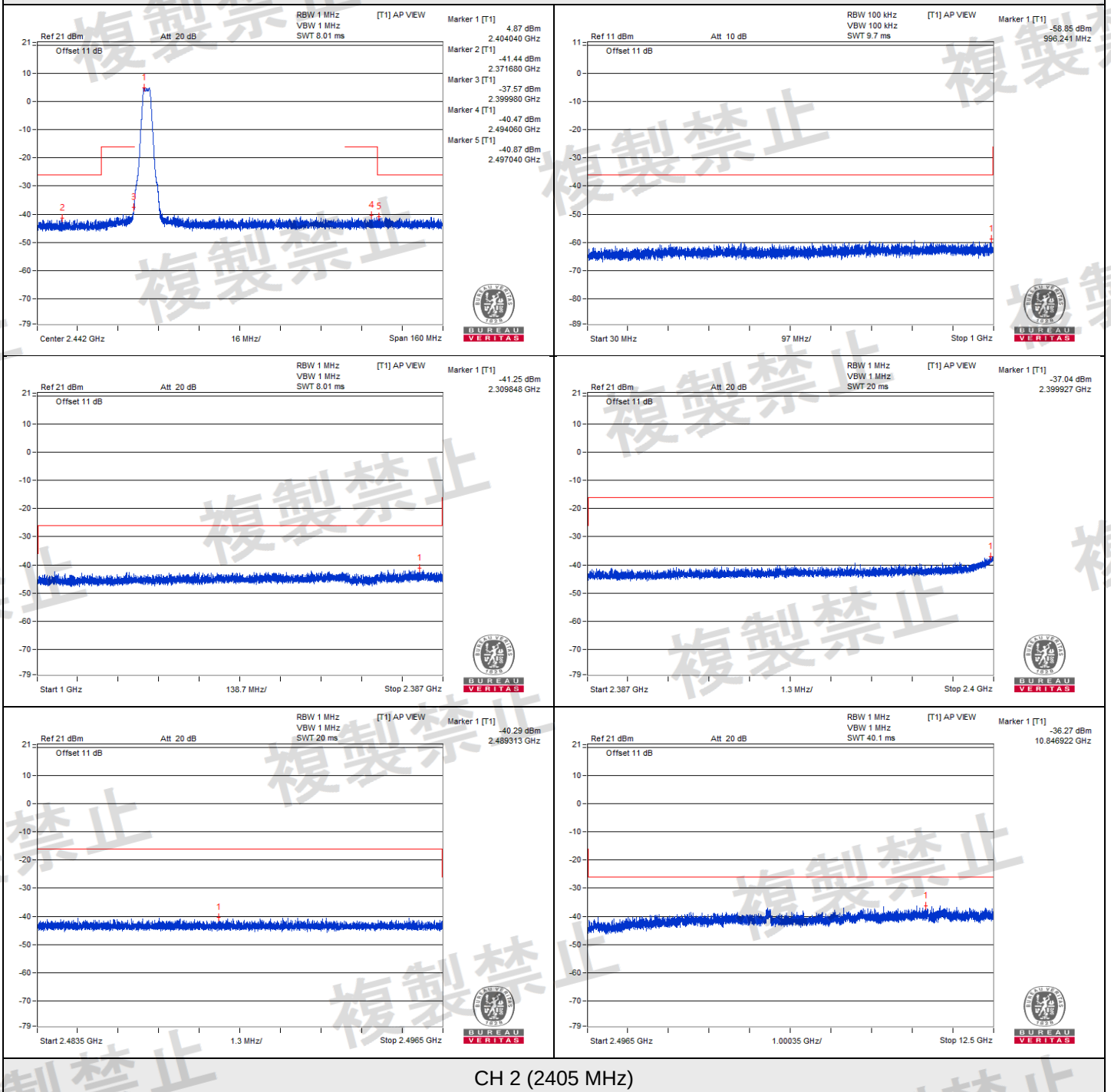
CH 2 (2405 MHz)

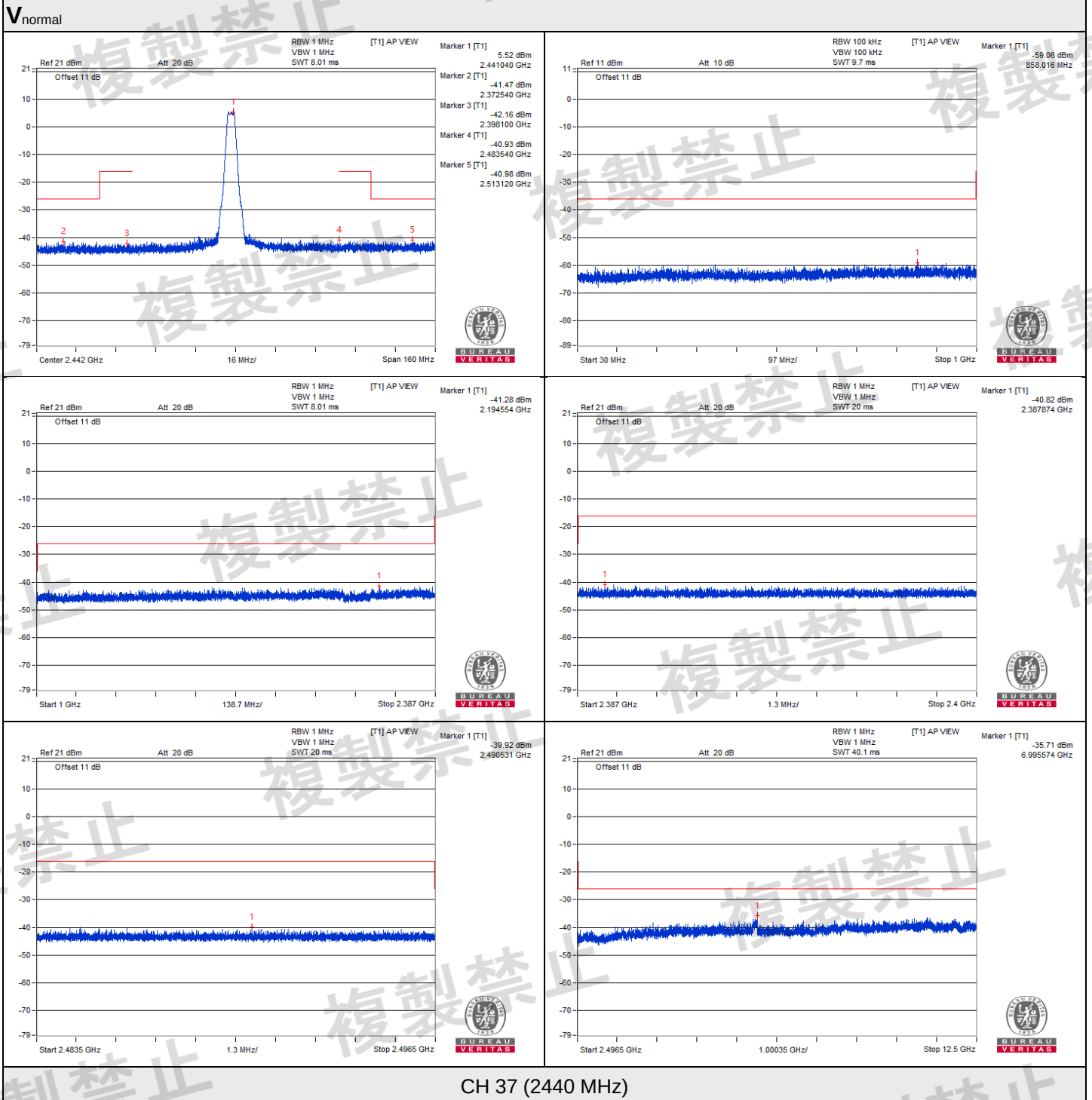
Vmax.



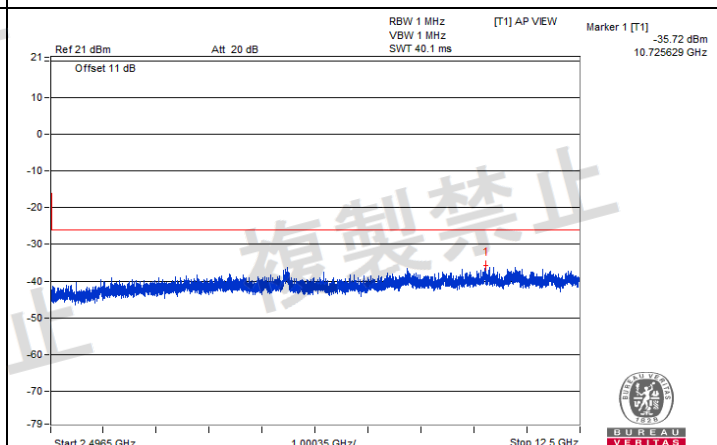
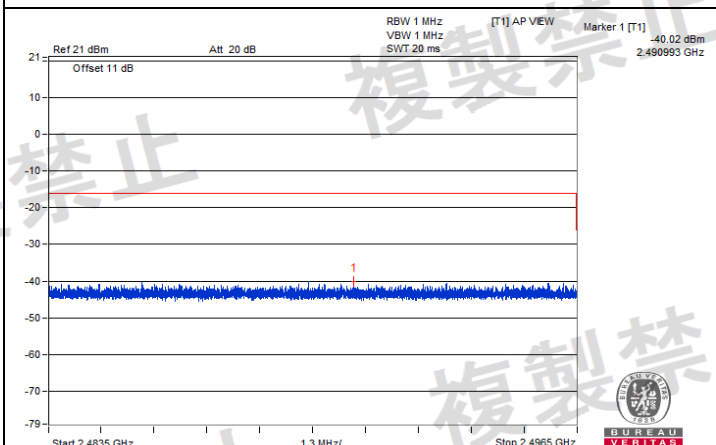
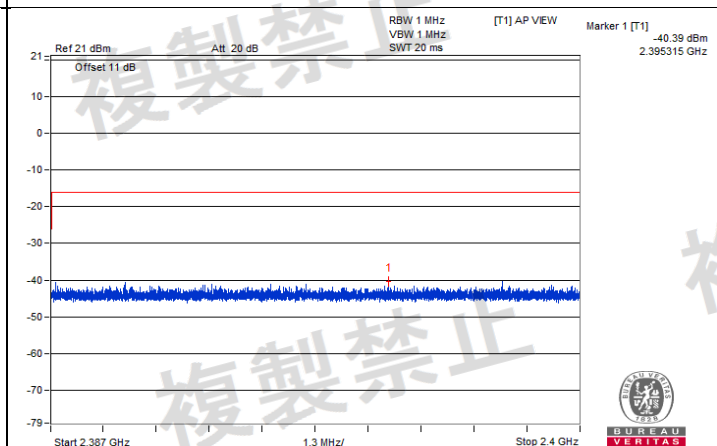
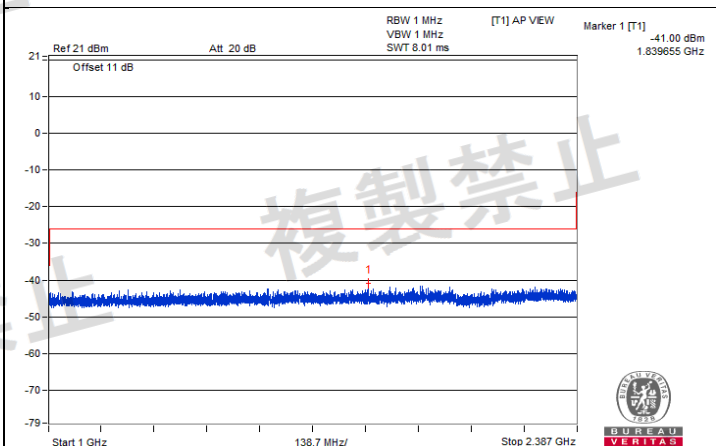
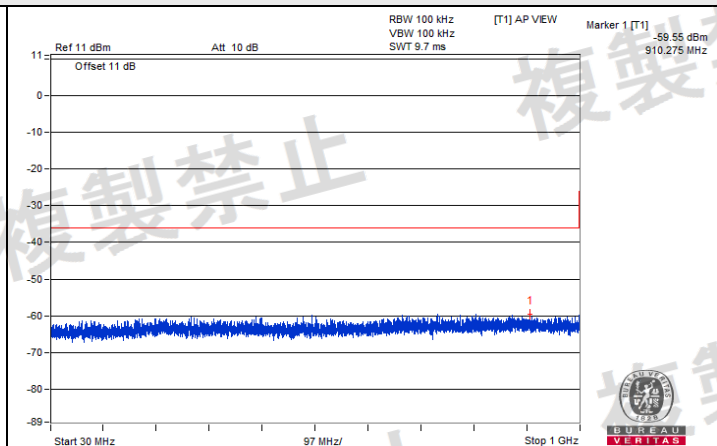
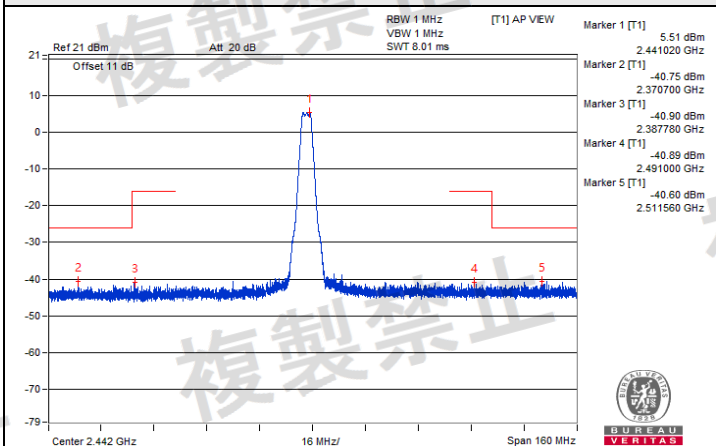
CH 2 (2405 MHz)

V_{min}.



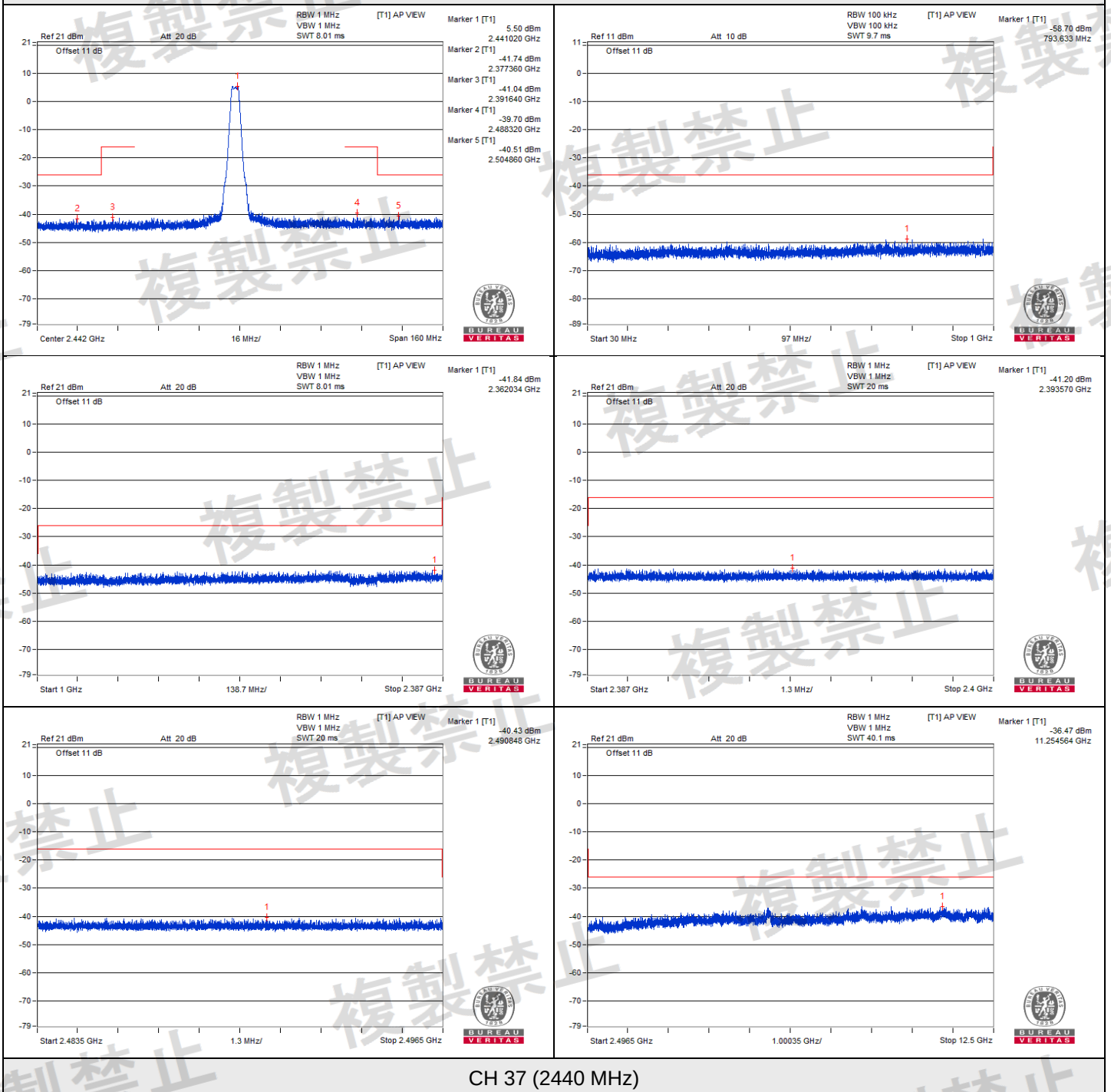


Vmax.

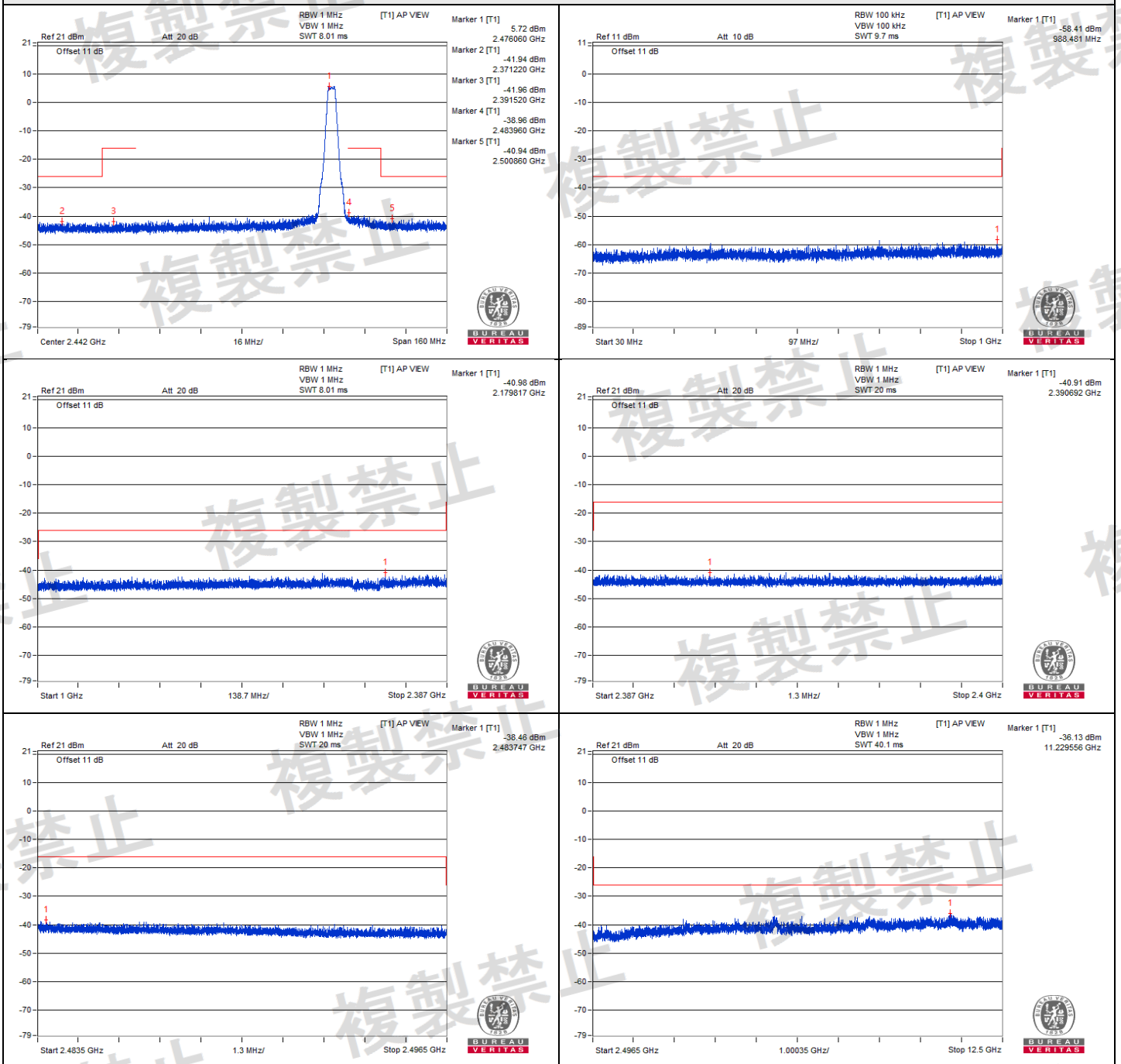


CH 37 (2440 MHz)

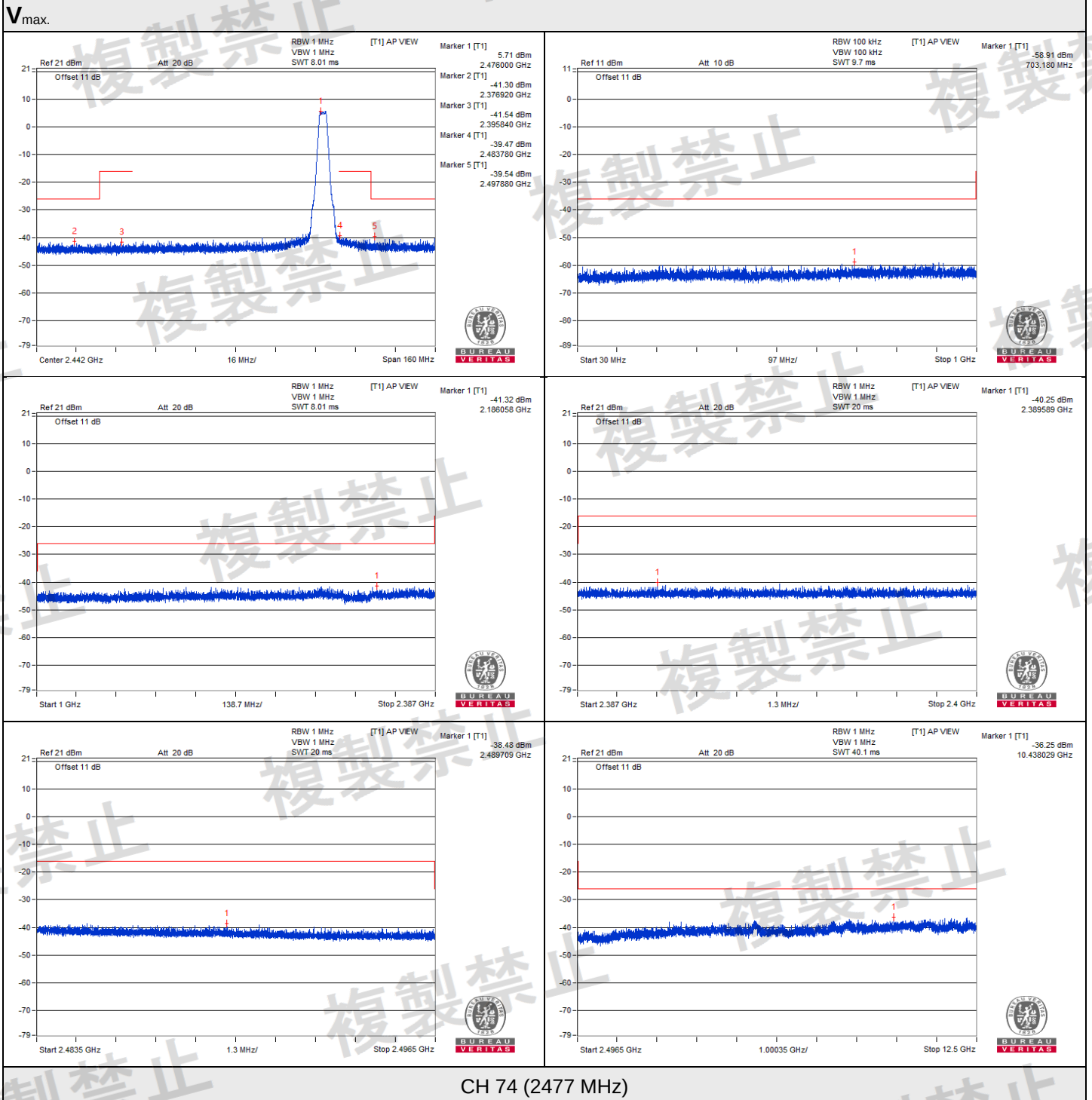
V_{min}.



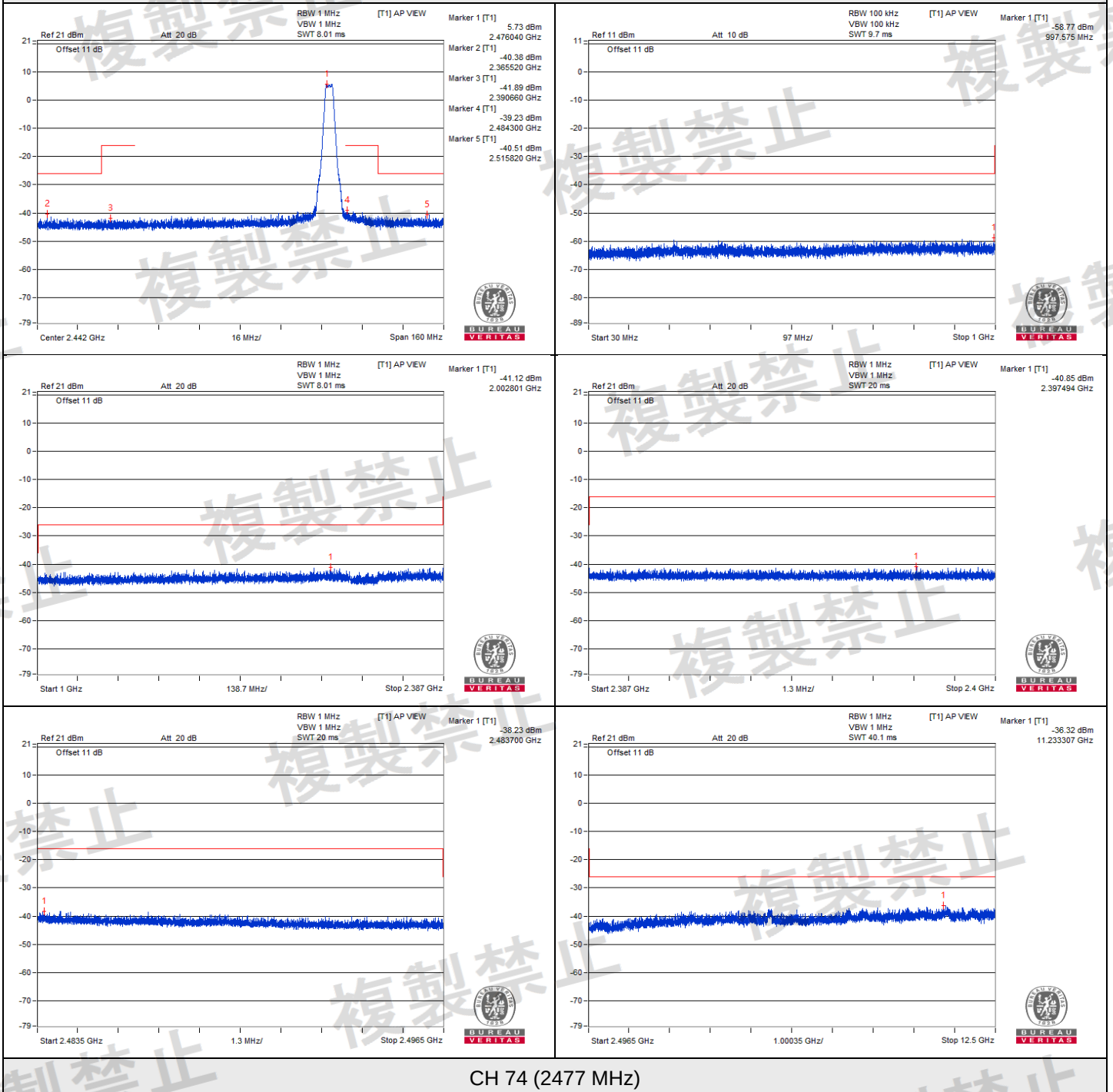
Vnormal



CH 74 (2477 MHz)



V_{min}.



CH 74 (2477 MHz)

7.4 Spurious Emissions of Receiver

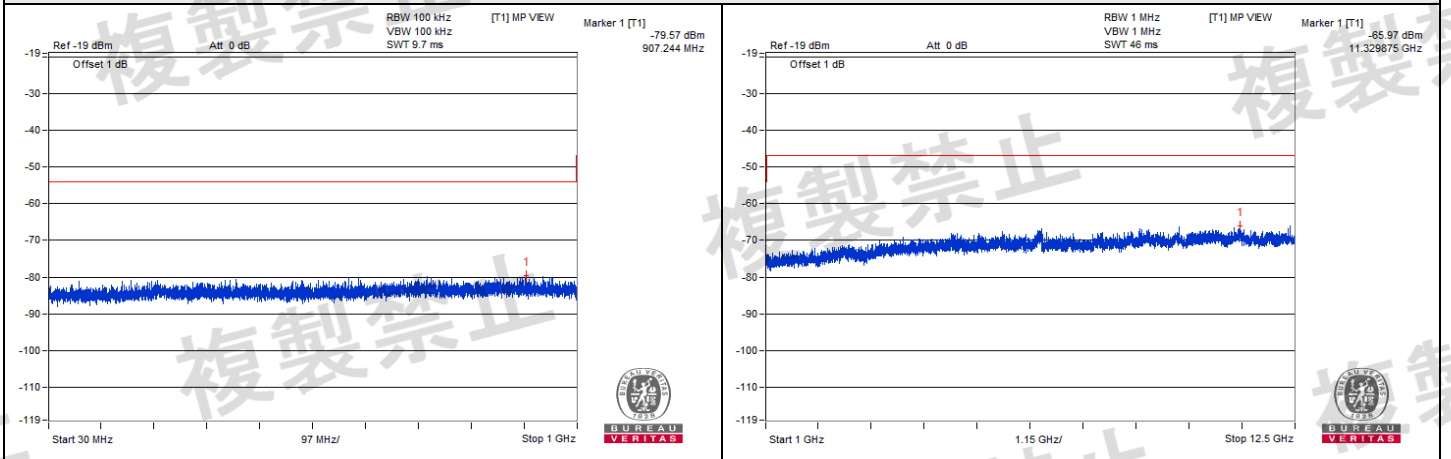
Environmental Conditions:	25°C, 76% RH	Tested By:	Pirar Hsieh
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SRD 2M

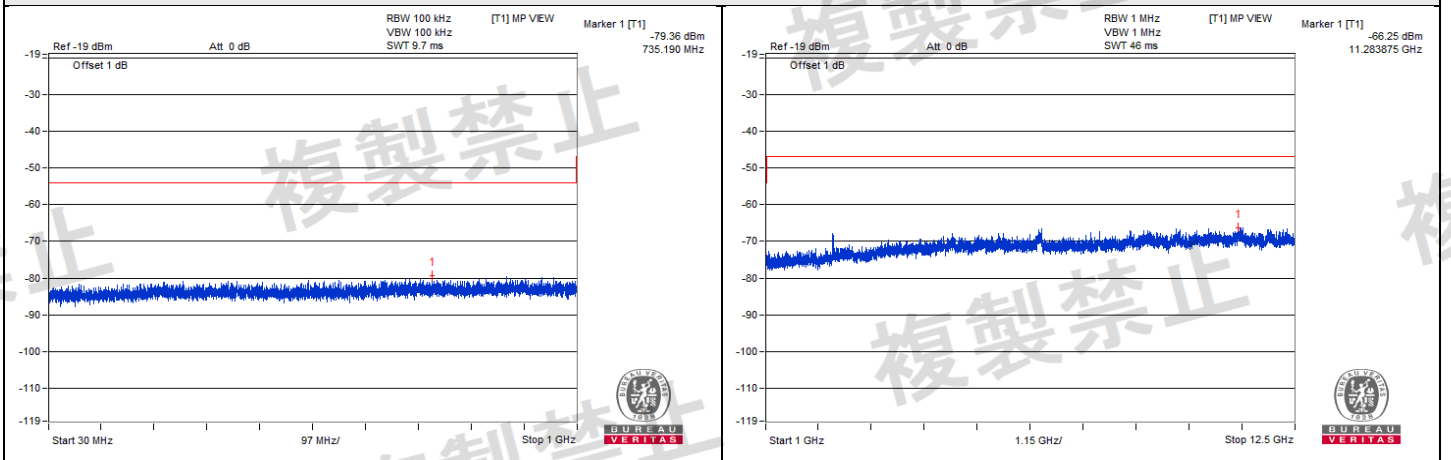
TEST CHANNEL		CH 0 (2403 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	907.244	0.011041	4	PASS
	1000.0 to 12500.0	11329.875	0.25293	20	PASS
V_{max.}	30.0 to 1000.0	735.190	0.011588	4	PASS
	1000.0 to 12500.0	11283.875	0.237137	20	PASS
V_{min.}	30.0 to 1000.0	848.801	0.013397	4	PASS
	1000.0 to 12500.0	11960.937	0.232809	20	PASS
TEST CHANNEL		CH 37 (2440 MHz)			
V_{normal}	30.0 to 1000.0	791.450	0.012134	4	PASS
	1000.0 to 12500.0	6941.187	0.279254	20	PASS
V_{max.}	30.0 to 1000.0	895.482	0.010641	4	PASS
	1000.0 to 12500.0	10355.250	0.250035	20	PASS
V_{min.}	30.0 to 1000.0	903.485	0.011803	4	PASS
	1000.0 to 12500.0	11255.125	0.233346	20	PASS
TEST CHANNEL		CH 77 (2480 MHz)			
V_{normal}	30.0 to 1000.0	901.666	0.01256	4	PASS
	1000.0 to 12500.0	11199.062	0.222331	20	PASS
V_{max.}	30.0 to 1000.0	840.799	0.011695	4	PASS
	1000.0 to 12500.0	12278.625	0.28774	20	PASS
V_{min.}	30.0 to 1000.0	649.224	0.011376	4	PASS
	1000.0 to 12500.0	10343.750	0.238232	20	PASS

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

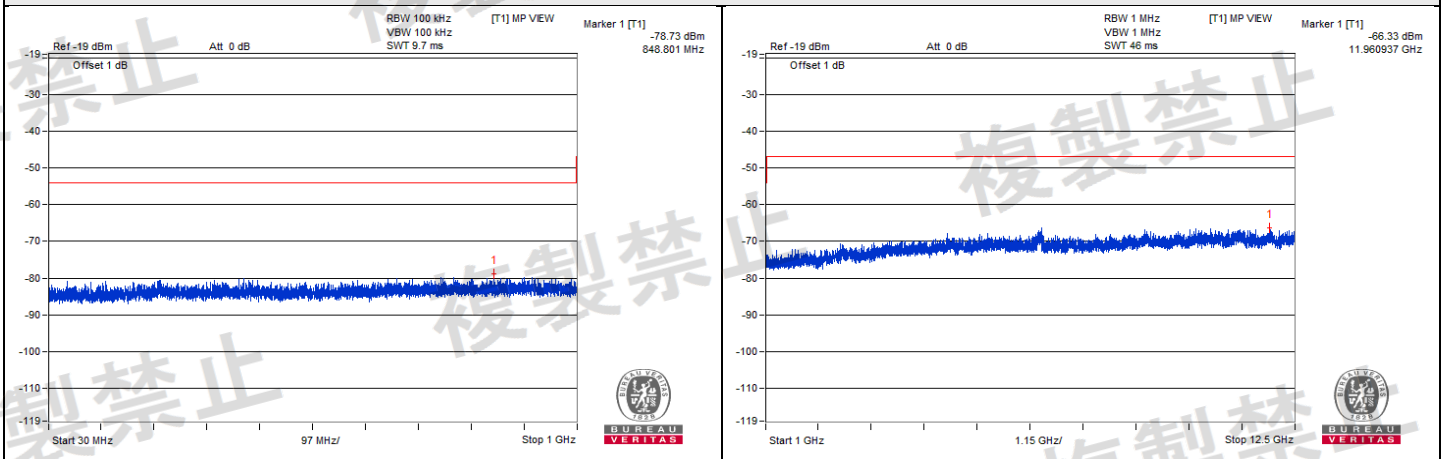
V_{normal}



V_{max}



V_{min}

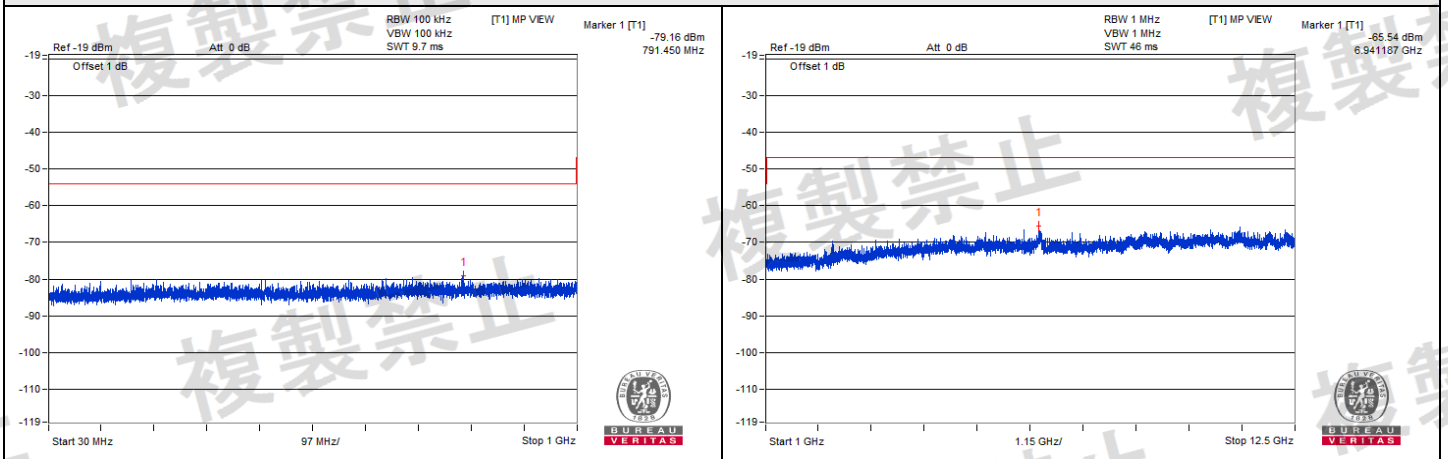


CH 0 (2403 MHz)

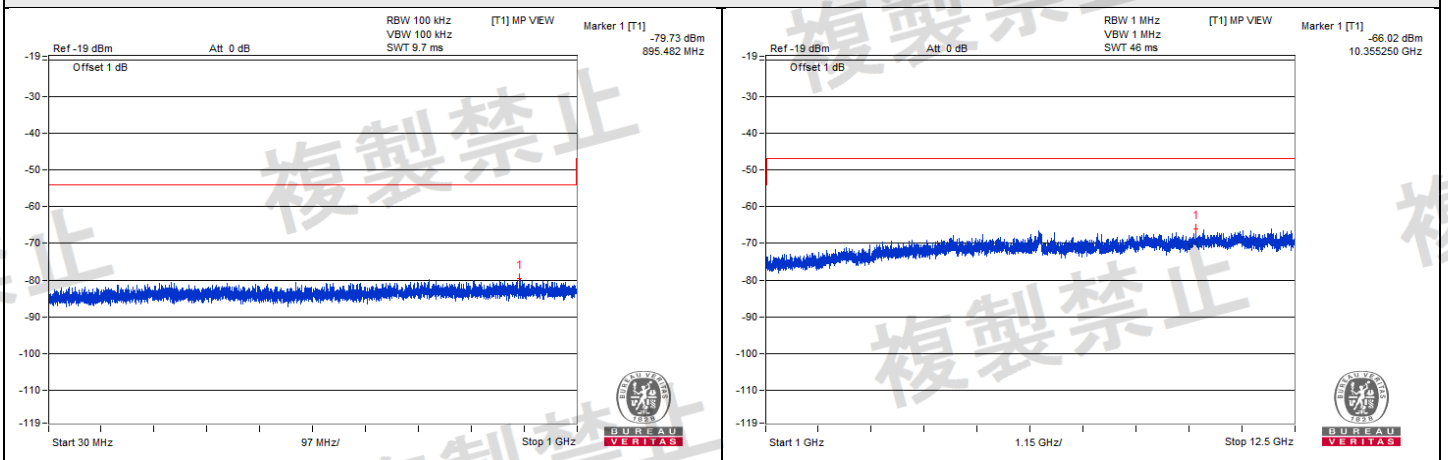


BUREAU
VERITAS

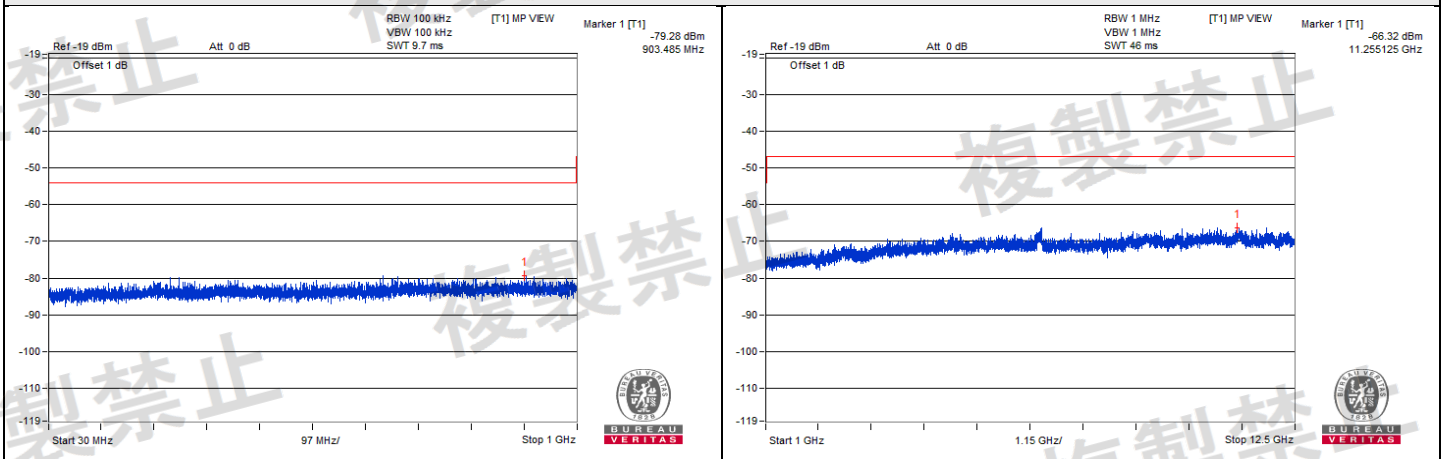
V_{normal}



V_{max}



V_{min}

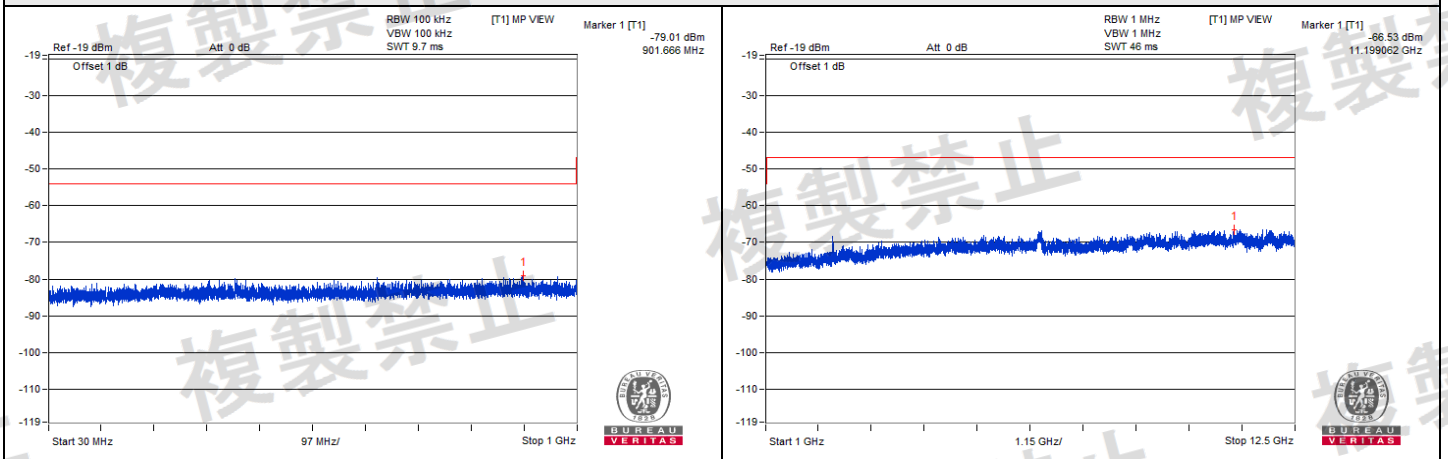


CH 37 (2440 MHz)

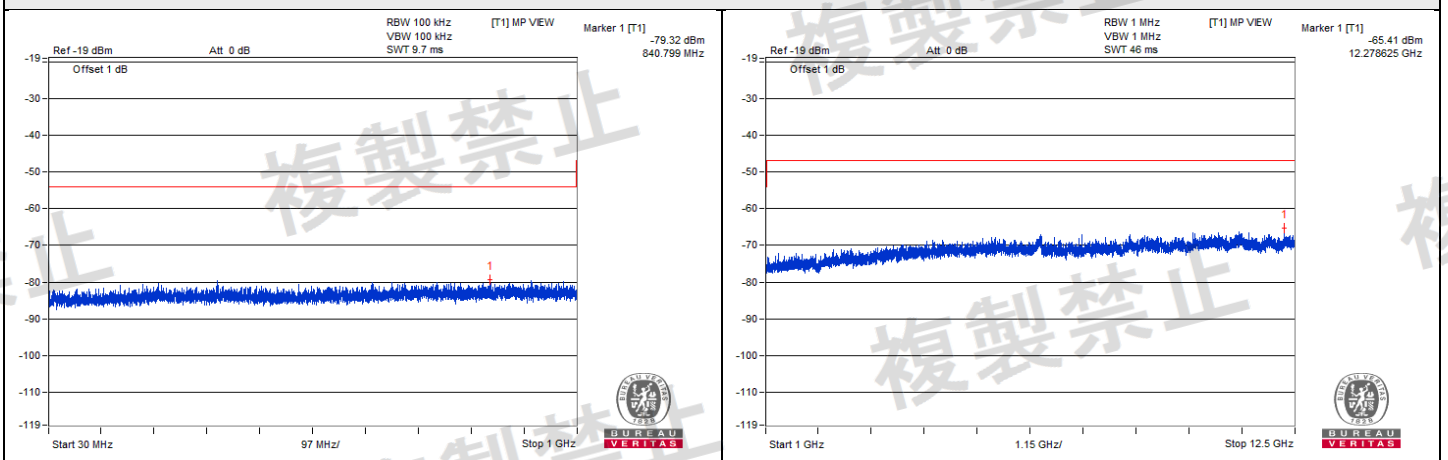


BUREAU
VERITAS

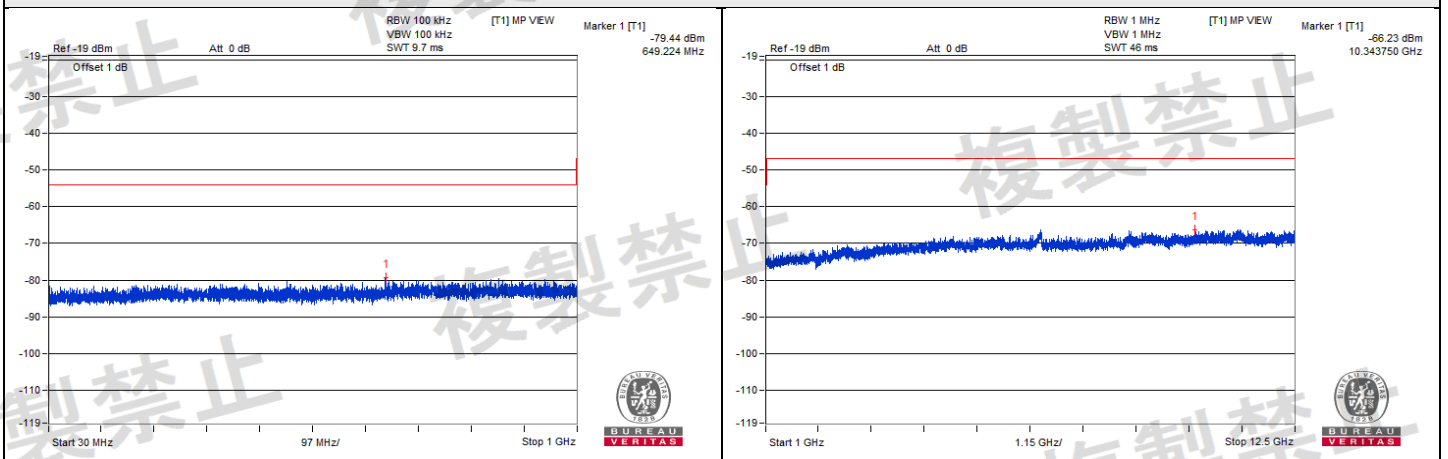
V_{normal}



V_{max}



V_{min}

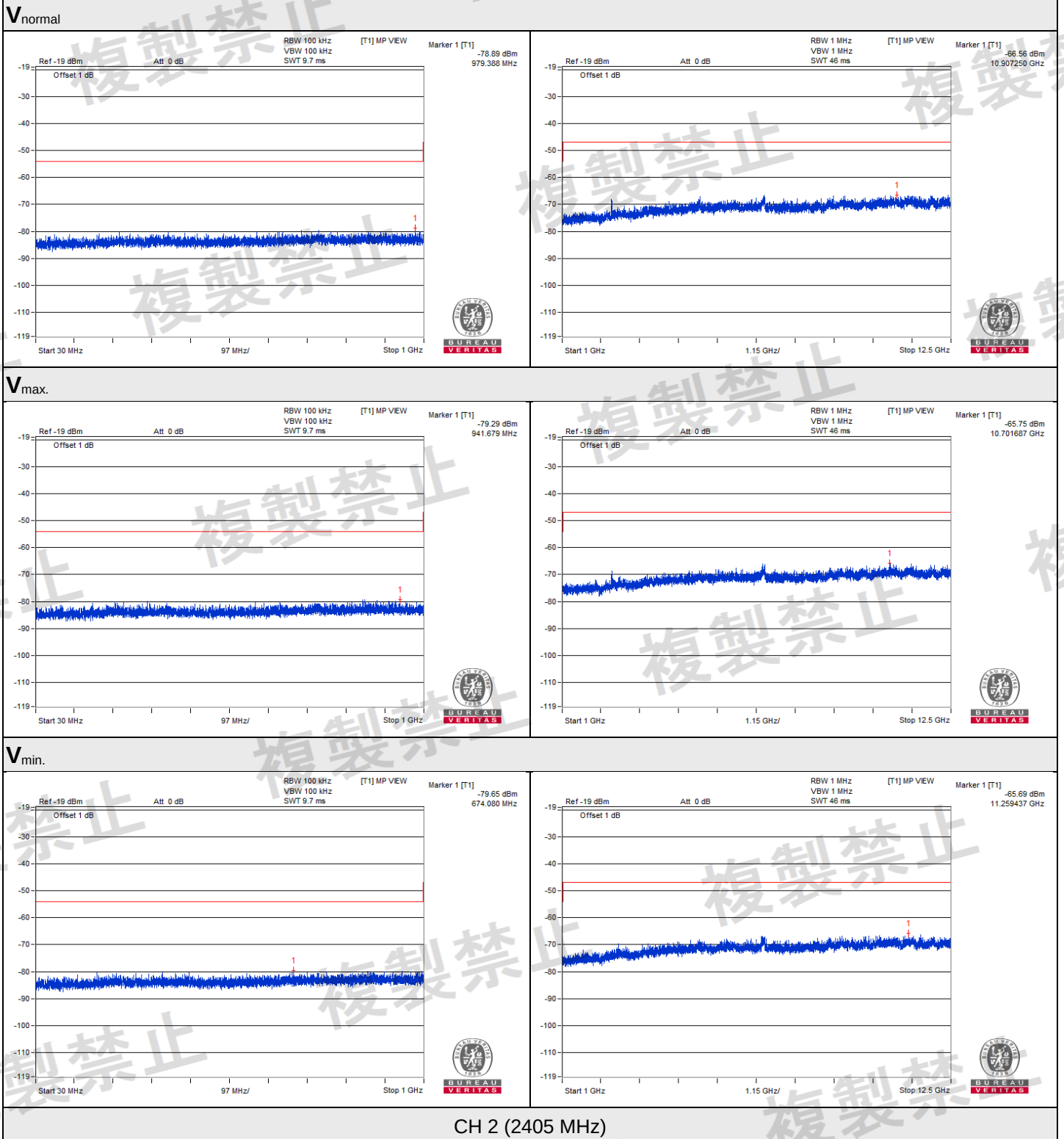


CH 77 (2480 MHz)

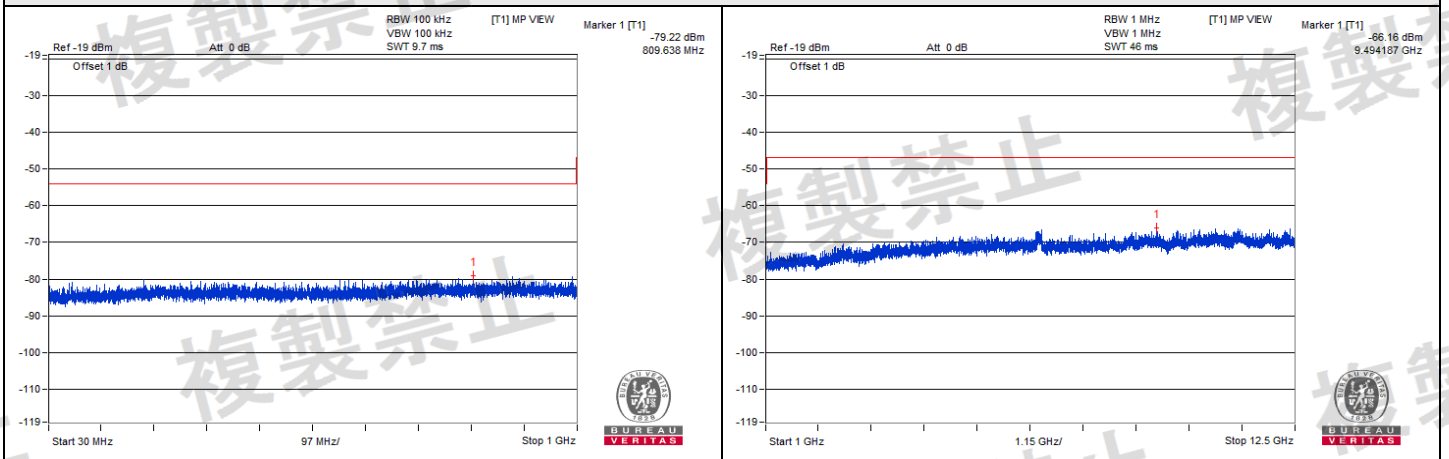
SRD 4M

TEST CHANNEL		CH 2 (2405 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	979.388	0.012912	4	PASS
	1000.0 to 12500.0	10907.250	0.2208	20	PASS
$V_{max.}$	30.0 to 1000.0	941.679	0.011776	4	PASS
	1000.0 to 12500.0	10701.687	0.266073	20	PASS
$V_{min.}$	30.0 to 1000.0	674.080	0.010839	4	PASS
	1000.0 to 12500.0	11259.437	0.269774	20	PASS
TEST CHANNEL		CH 37 (2440 MHz)			
V_{normal}	30.0 to 1000.0	809.638	0.011967	4	PASS
	1000.0 to 12500.0	9494.187	0.242103	20	PASS
$V_{max.}$	30.0 to 1000.0	595.389	0.011858	4	PASS
	1000.0 to 12500.0	11189.000	0.272898	20	PASS
$V_{min.}$	30.0 to 1000.0	919.369	0.011482	4	PASS
	1000.0 to 12500.0	10293.437	0.257632	20	PASS
TEST CHANNEL		CH 74 (2477 MHz)			
V_{normal}	30.0 to 1000.0	818.125	0.012417	4	PASS
	1000.0 to 12500.0	12041.437	0.244906	20	PASS
$V_{max.}$	30.0 to 1000.0	850.256	0.013646	4	PASS
	1000.0 to 12500.0	6977.125	0.258226	20	PASS
$V_{min.}$	30.0 to 1000.0	714.820	0.011455	4	PASS
	1000.0 to 12500.0	11298.250	0.255859	20	PASS

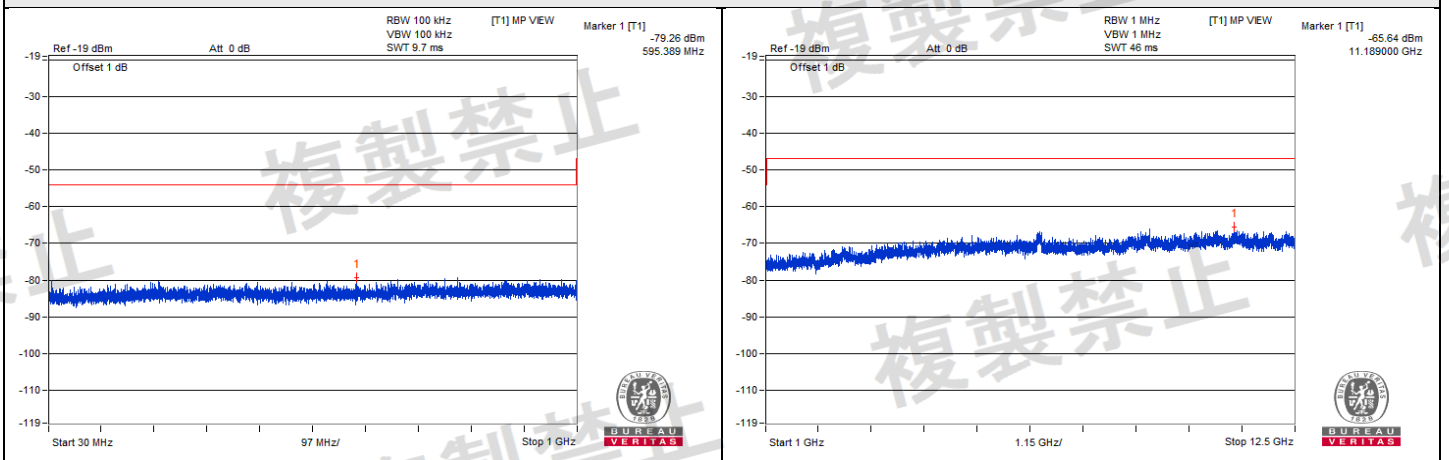
NOTE: 1. The spectrum plots are attached on the following pages.



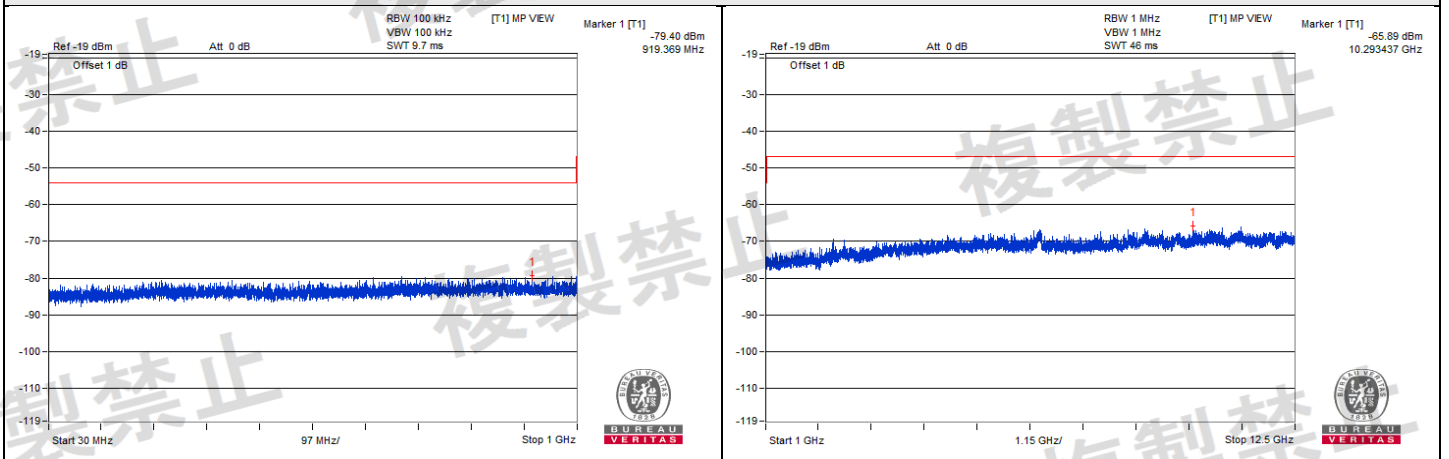
V_{normal}



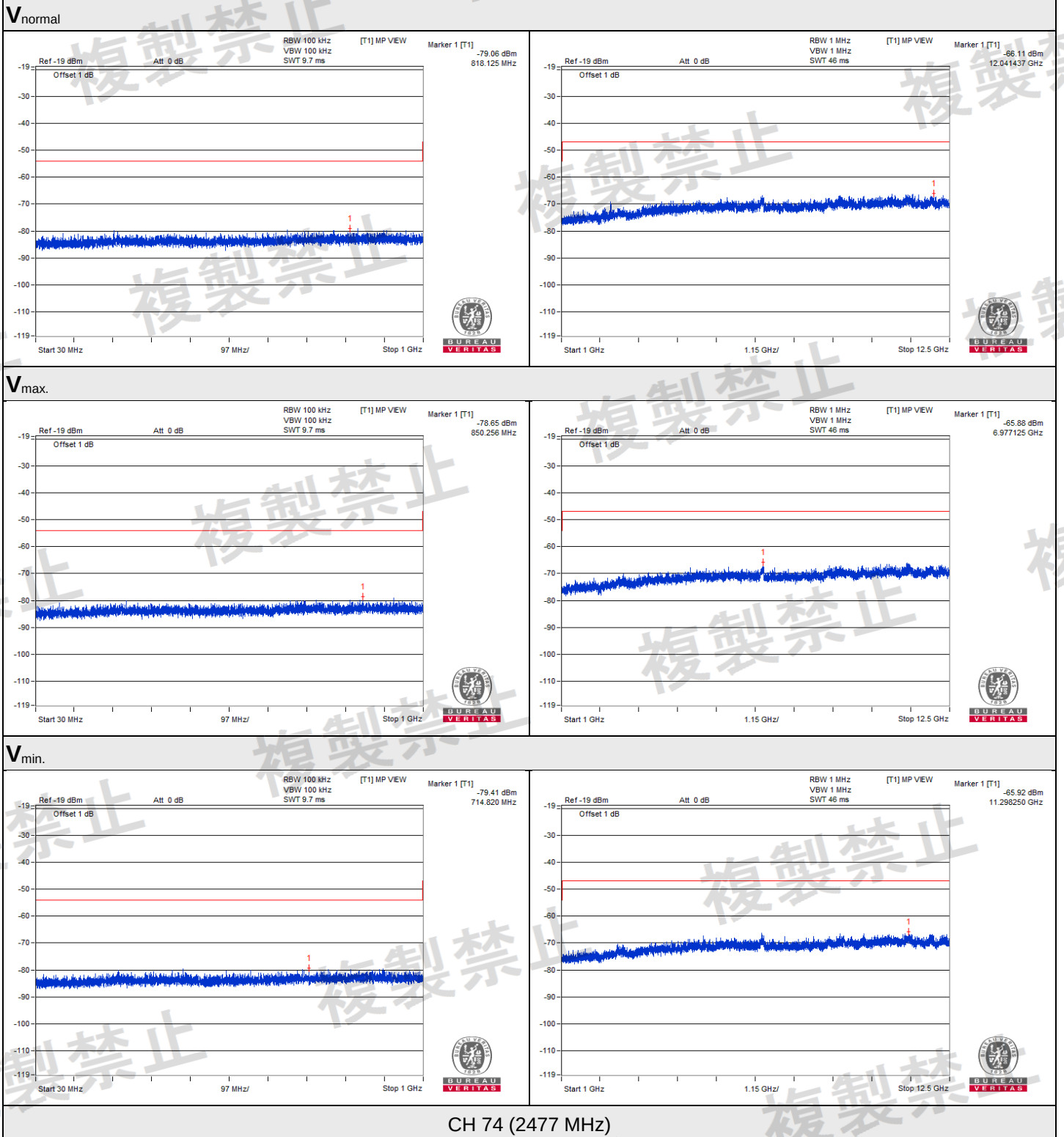
V_{max}



V_{min}



CH 37 (2440 MHz)



7.5 Antenna Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Pirar Hsieh
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SRD 2M

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
5	0	2403	3.365	5.585
	37	2440	3.707	6.152
	77	2480	3.733	6.195
5.5	0	2403	3.319	5.508
	37	2440	3.741	6.209
	77	2480	3.581	5.943
4.5	0	2403	3.221	5.346
	37	2440	3.606	5.984
	77	2480	3.589	5.956
Maximum Limit (mW):			10	-
Rated Power (mW):			4	-
Maximum Tolerance of Antenna Power (mW):			4.8	-
Maximum EIRP Limit (mW):			-	16.368

Notes:

1. Antenna gain is 2.2 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 4M

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
5	2	2405	3.304	5.483
	37	2440	3.698	6.137
	74	2477	3.873	6.428
5.5	2	2405	3.327	5.521
	37	2440	3.597	5.97
	74	2477	3.899	6.471
4.5	2	2405	3.311	5.495
	37	2440	3.573	5.93
	74	2477	4.018	6.668
Maximum Limit (mW):			10	-
Rated Power (mW):			5	-
Maximum Tolerance of Antenna Power (mW):			6	-
Maximum EIRP Limit (mW):			-	16.368

Notes:

1. Antenna gain is 2.2 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:	Pirar Hsieh
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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