

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19
Report No.: RJBEBU-WTW-P25100129
Product: Dongle
Brand: ELECOM
Model No.: E03A
Received Date: 2025/10/7
Test Date: 2025/10/12 ~ 2025/10/17
Issued Date: 2025/10/22
Applicant: ELECOM CO., LTD.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
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Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Approved by: _____

Jeremy Lin

, Date: _____

2025/10/22

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist



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Table of Contents

Release Control Record	3
1 Certificate	4
2 Summary of Test Results	5
2.1 Measurement Uncertainty	5
2.2 Supplementary Information	5
3 General Information	6
3.1 General Description	6
3.2 Output Power Description of EUT	6
3.3 Antenna Description of EUT	6
3.4 Channel List	7
3.5 Power Setting	7
3.6 Test Mode Applicability and Tested Channel Detail	8
4 Test Instruments	9
4.1 Frequency Tolerance	9
4.2 Occupied Bandwidth	9
4.3 Spurious Emissions	9
4.4 Spurious Emissions of Receiver	9
4.5 Antenna Power	10
4.6 Interference Prevention Function	10
5 Limits of Test Items	11
5.1 Frequency Tolerance	11
5.2 Occupied Bandwidth	11
5.3 Spurious Emissions	11
5.4 Spurious Emissions of Receiver	11
5.5 Antenna Power	12
5.6 Interference Prevention Function	12
6 Test Arrangements	13
6.1 Frequency Tolerance	13
6.2 Occupied Bandwidth	13
6.3 Spurious Emissions	13
6.4 Spurious Emissions of Receiver	13
6.5 Antenna Power	13
6.6 Interference Prevention Function	13
7 Test Results of Test Item	14
7.1 Frequency Tolerance	14
7.2 Occupied Bandwidth	15
7.3 Spurious Emissions	18
7.4 Spurious Emissions of Receiver	29
7.5 Antenna Power	33
7.6 Interference Prevention Function	34
8 Pictures of Test Arrangements	35
9 Information of the Testing Laboratories	36

Release Control Record

Issue No.	Description	Date Issued
RJBEBU-WTW-P25100129	Original release.	2025/10/22

1 Certificate

Product: Dongle
Brand: ELECOM
Test Model: E03A
Sample Status: Engineering sample
Applicant: ELECOM CO., LTD.
Test Date: 2025/10/12 ~ 2025/10/17
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	Dongle
Brand	ELECOM
Test Model	E03A
Test Software Version	RG2507_Spectrum_v1.8.4
Status of EUT	Engineering sample
Power Supply Rating	5Vdc form host equipment
Modulation Type	GFSK
Transfer Rate	2 Mbps
Operating Frequency	2.403 GHz ~ 2.48 GHz
Number of Channel	78
Housing Requirements	Ultrasonic sealing shell technology and separating the two parts (i.e operating of the housing) was only possible by means of brute force.

Note:

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	3	2.366	5.285

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Gain(dBi)	Antenna Type	Connector Type
3.49	PCB	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

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		

3.5 Power Setting

Channel	Power Setting
0	0
38	0
77	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

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

Test Item	Tested Channel	Modulation	Data Rate Parameter
Frequency Tolerance	0, 38, 77	unmodulated	-
Occupied Bandwidth	0, 38, 77	GFSK	2Mb/s
Spurious Emissions	0, 38, 77	GFSK	2Mb/s
Spurious Emissions of Receiver	0, 38, 77	-	-
Antenna Power	0, 38, 77	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
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: 2025/10/12

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: 2025/10/12

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: 2025/10/17

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:

1. Occupied bandwidth is less than 26 MHz.
2. Occupied bandwidth is more than 26 MHz and less than 40 MHz.
3. 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 $A = \text{E.I.R.P.} / (2.14 \text{ dBi} + \text{"Antenna Power (limit)"})$.
4. Tolerance of antenna power shall be +20% (upper value).
5. 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")

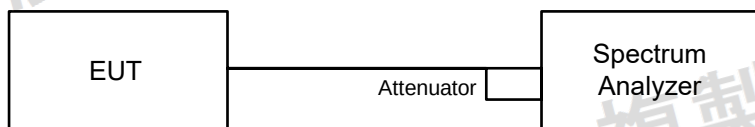
5.6 Interference Prevention Function

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

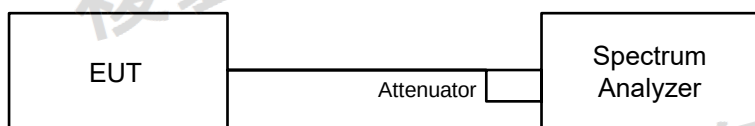
When performing radiolocation work: A function that allows you to distinguish between reflected waves of radio waves transmitted by your own station and radio waves transmitted by other radio stations by identifying the modulation method and other characteristics of received radio waves. (However, if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

6 Test Arrangements

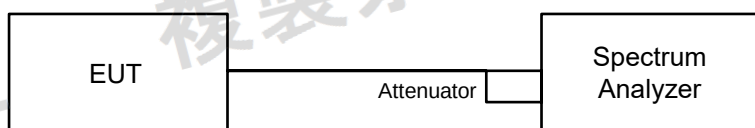
6.1 Frequency Tolerance



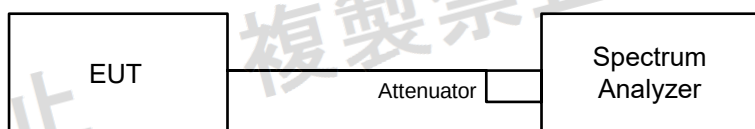
6.2 Occupied Bandwidth



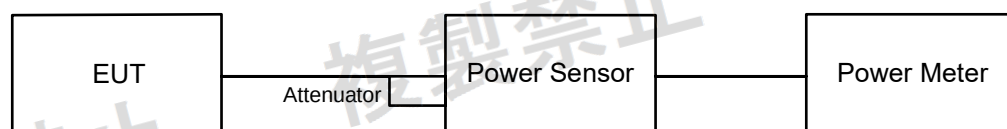
6.3 Spurious Emissions



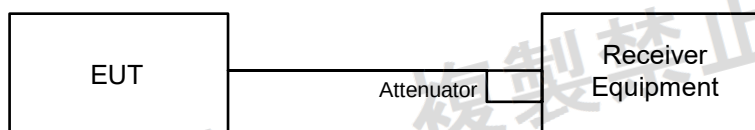
6.4 Spurious Emissions of Receiver



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:	Waydi Tuan
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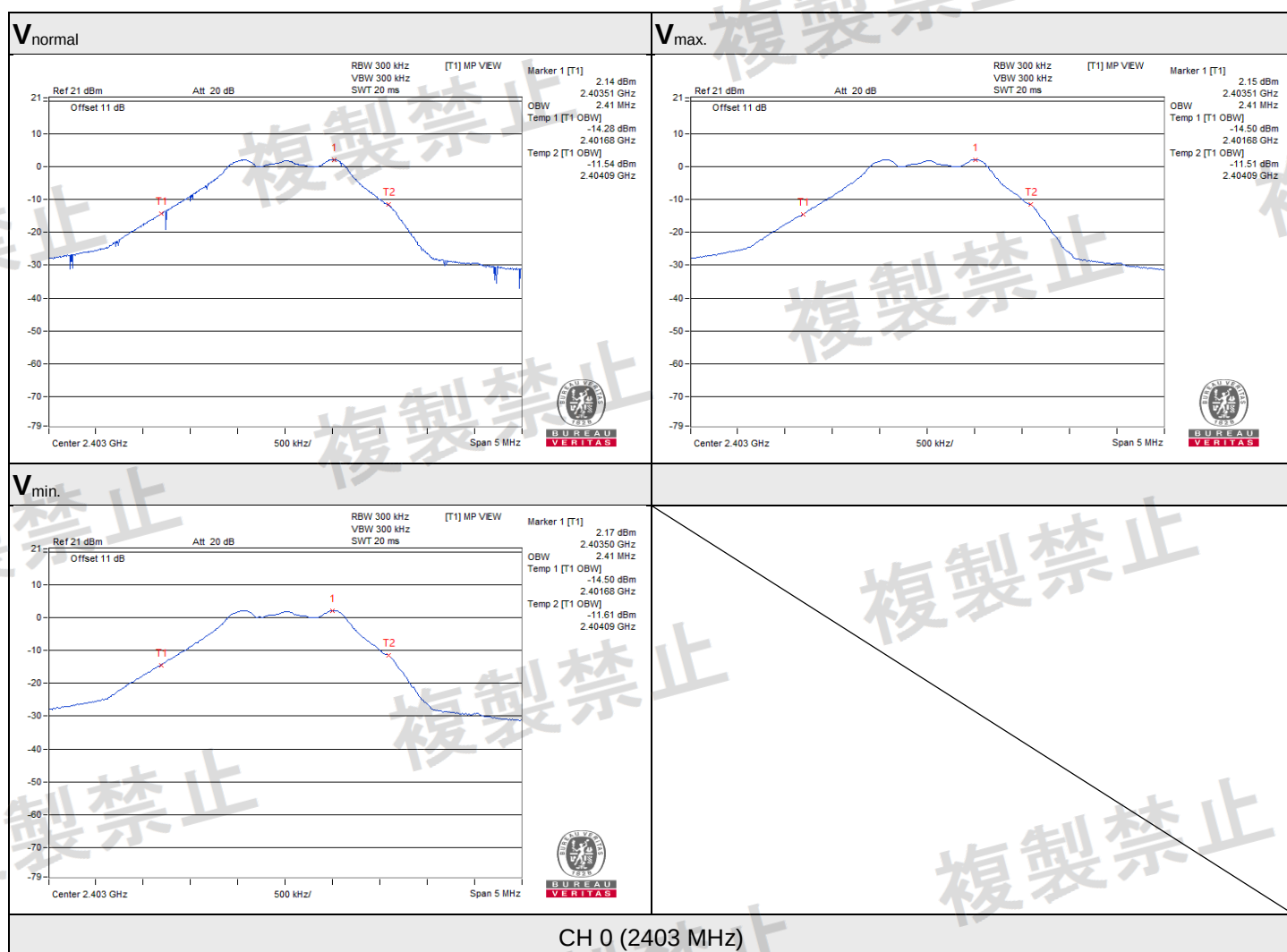
Channel	Frequency (MHz)	V_{normal}		$V_{max.}$		$V_{min.}$	
		Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)
0	2403	2403.014480	6.026	2403.014360	5.976	2403.014320	5.959
38	2441	2441.014399	5.899	2441.014280	5.850	2441.014280	5.850
77	2480	2480.014440	5.823	2480.014360	5.790	2480.014360	5.790

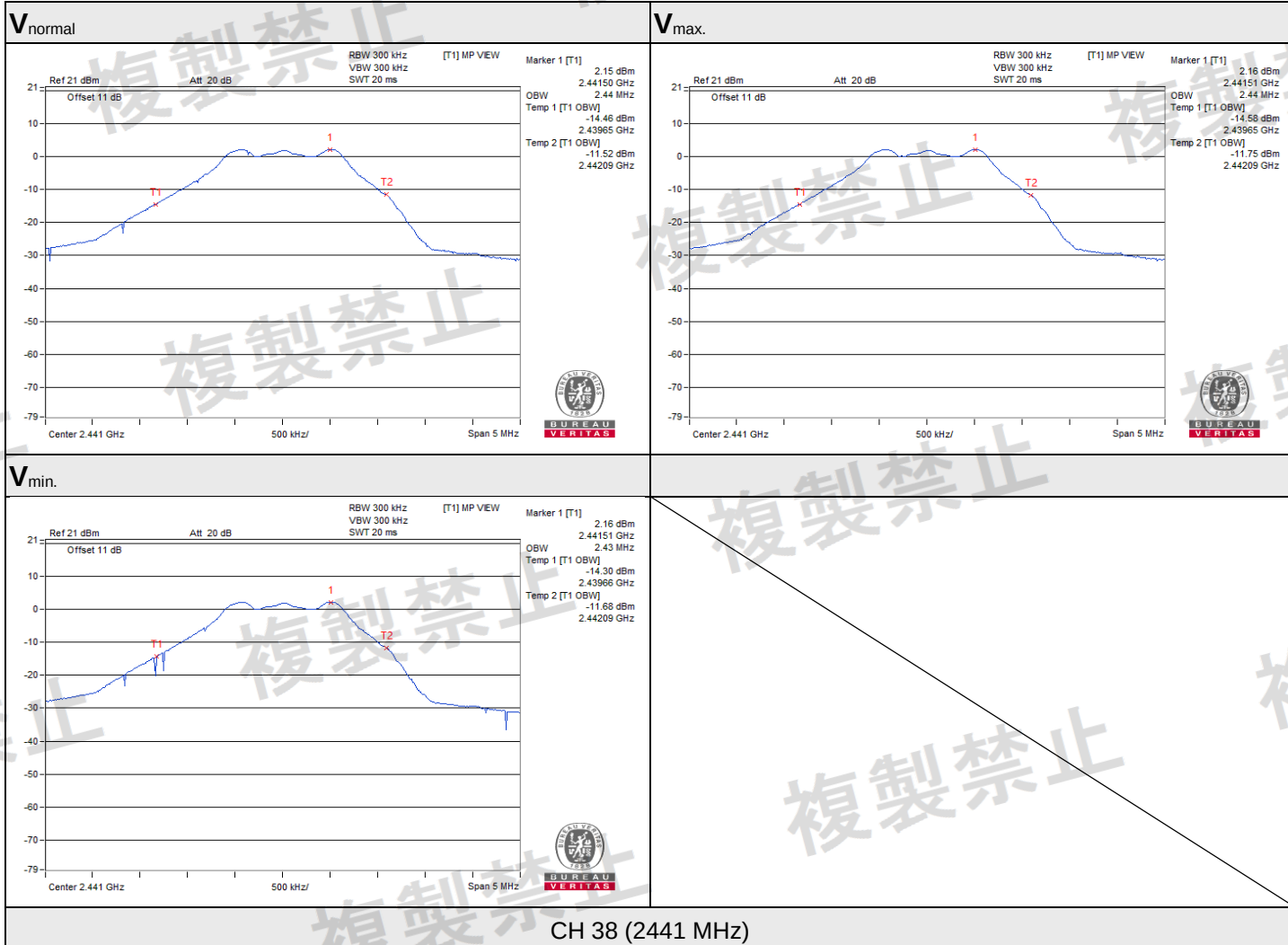
7.2 Occupied Bandwidth

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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Channel	Frequency (MHz)	V _{normal}	V _{max.}	V _{min.}
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
0	2403	2.41	2.41	2.41
38	2441	2.44	2.44	2.43
77	2480	2.32	2.32	2.32

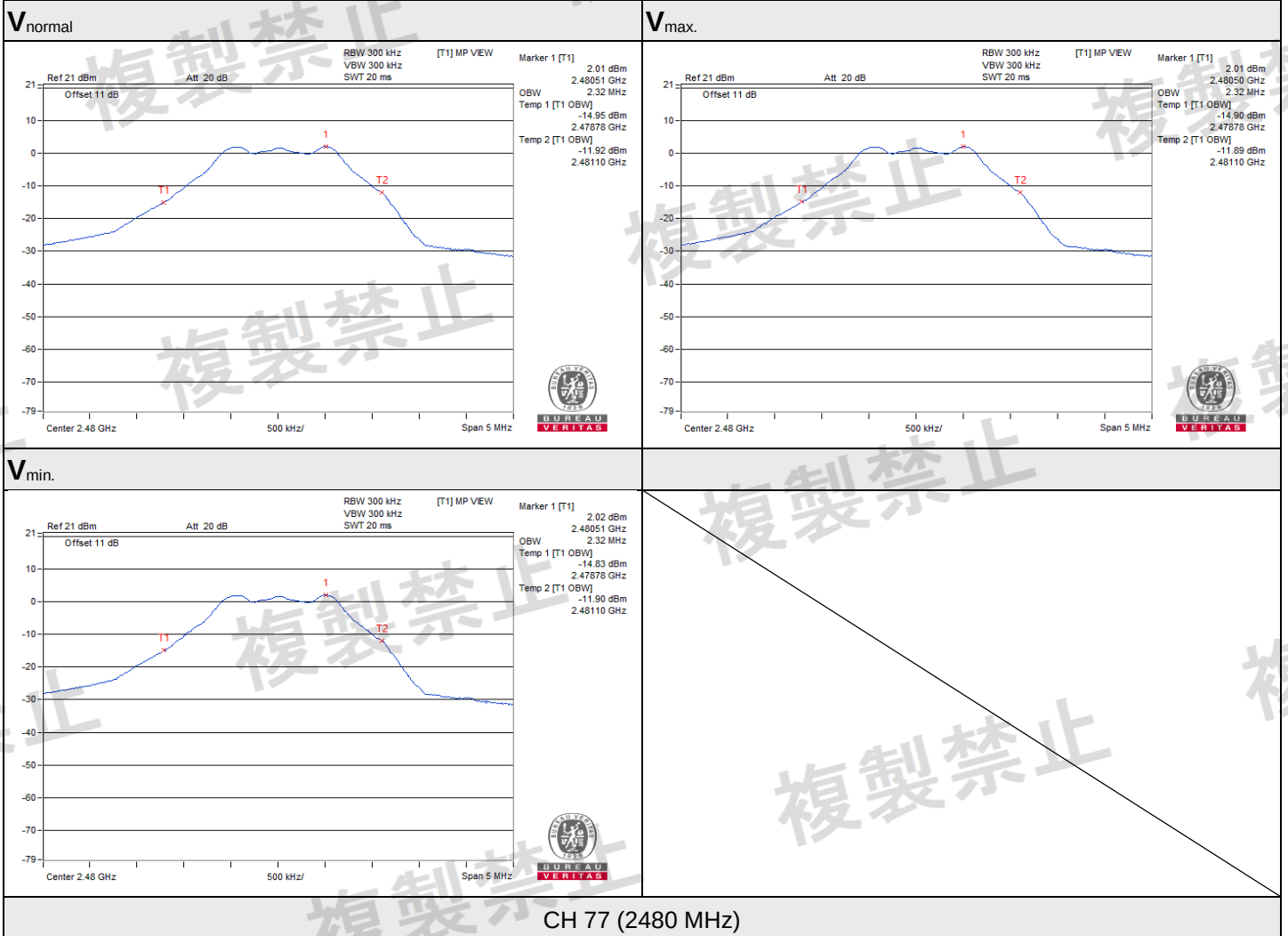
NOTE: For the test plots please refer to the below pages.







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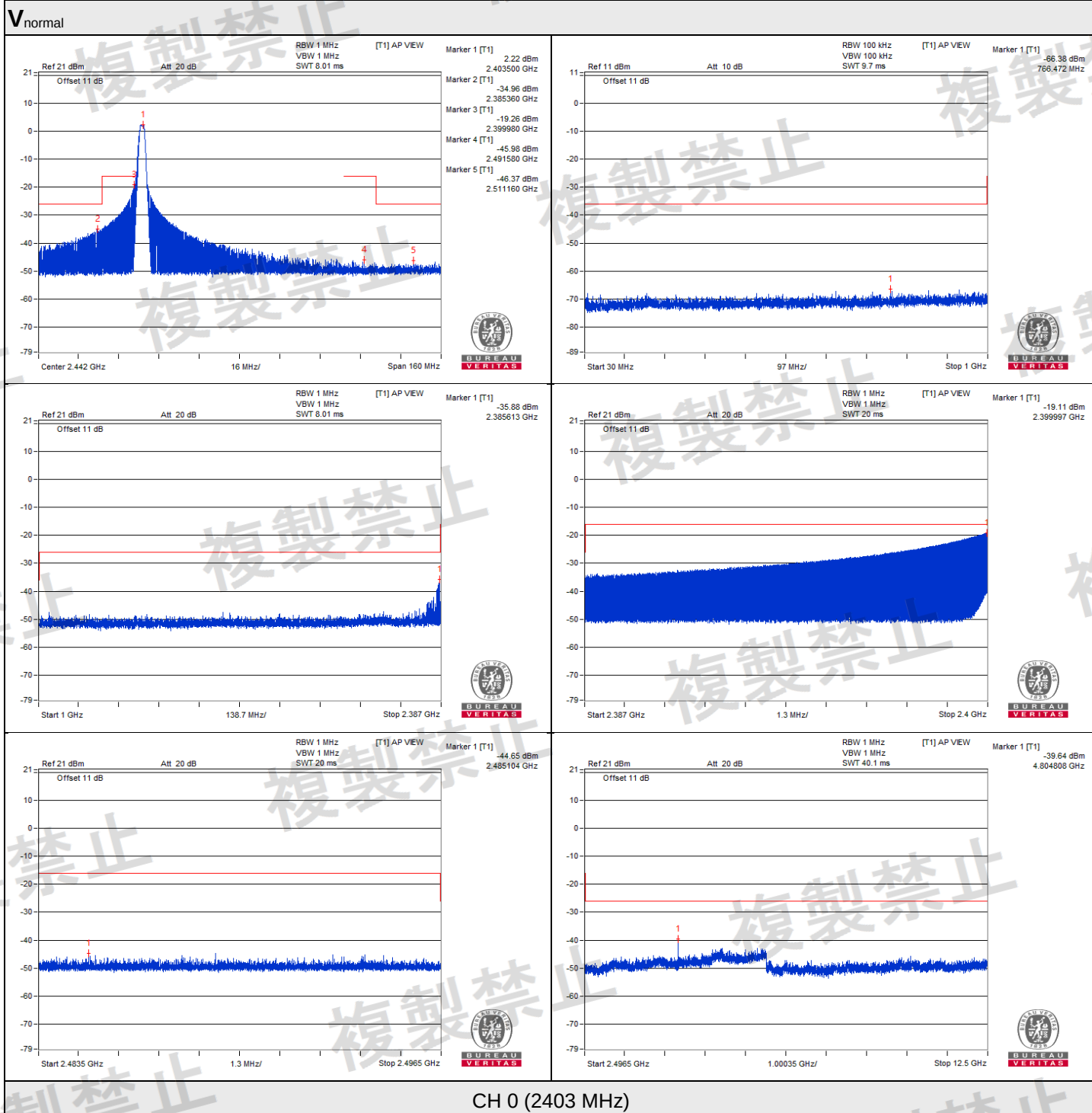
7.3 Spurious Emissions

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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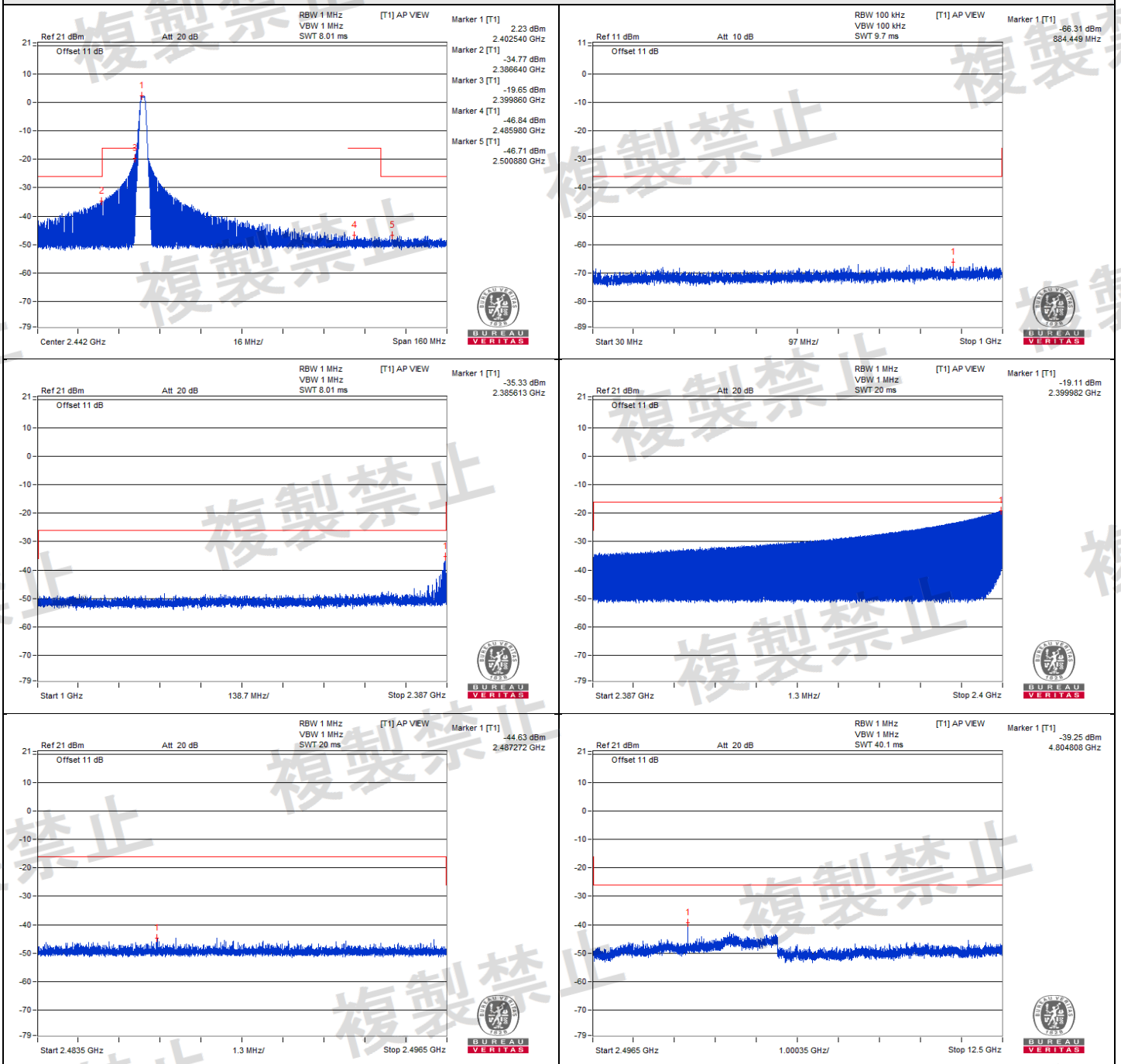
TEST CHANNEL		CH 0 (2403 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	766.472	0.00023 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2385.613	0.258226 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.997	12.274392 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2485.104	0.034277 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4804.808	0.108643 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	884.449	0.000234 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2385.613	0.293089 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.982	12.274392 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2487.272	0.034435 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4804.808	0.11885 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	786.236	0.000219 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2381.452	0.199067 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.998	12.416523 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.861	0.033729 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4806.058	0.078343 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 38 (2441 MHz)			
V_{normal}	30MHz to 1000MHz	987.269	0.000193 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2386.307	0.033963 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.275	0.078886 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2486.469	0.067764 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4882.335	0.09506 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	941.679	0.000198 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2385.960	0.036644 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.415	0.101391 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2485.127	0.075858 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4881.084	0.103992 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	899.726	0.005998 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2384.053	0.048195 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.485	0.090365 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.059	0.068865 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4882.335	0.087902 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	883.600	0.000256 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2381.972	0.017219 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.163	0.047206 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.506	4.456562 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4961.112	0.086099 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	923.612	0.000207 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2380.065	0.019953 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2396.282	0.040365 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.542	4.295364 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	2500.251	0.128233 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	872.930	0.000203 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2142.195	0.021777 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2391.802	0.042364 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.532	4.355119 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	2501.502	0.137404 uW/MHz	2.5 uW/MHz	PASS

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

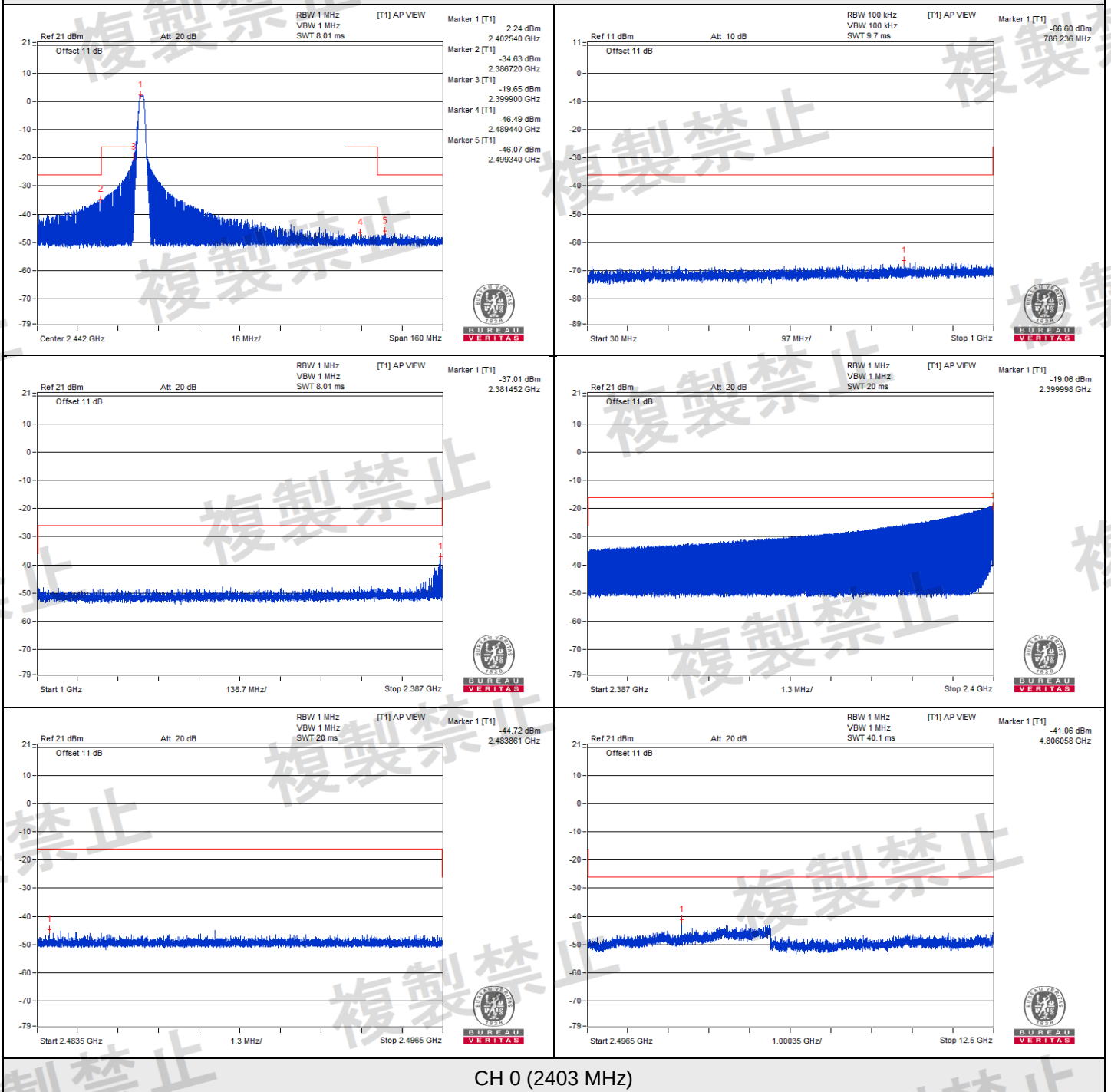


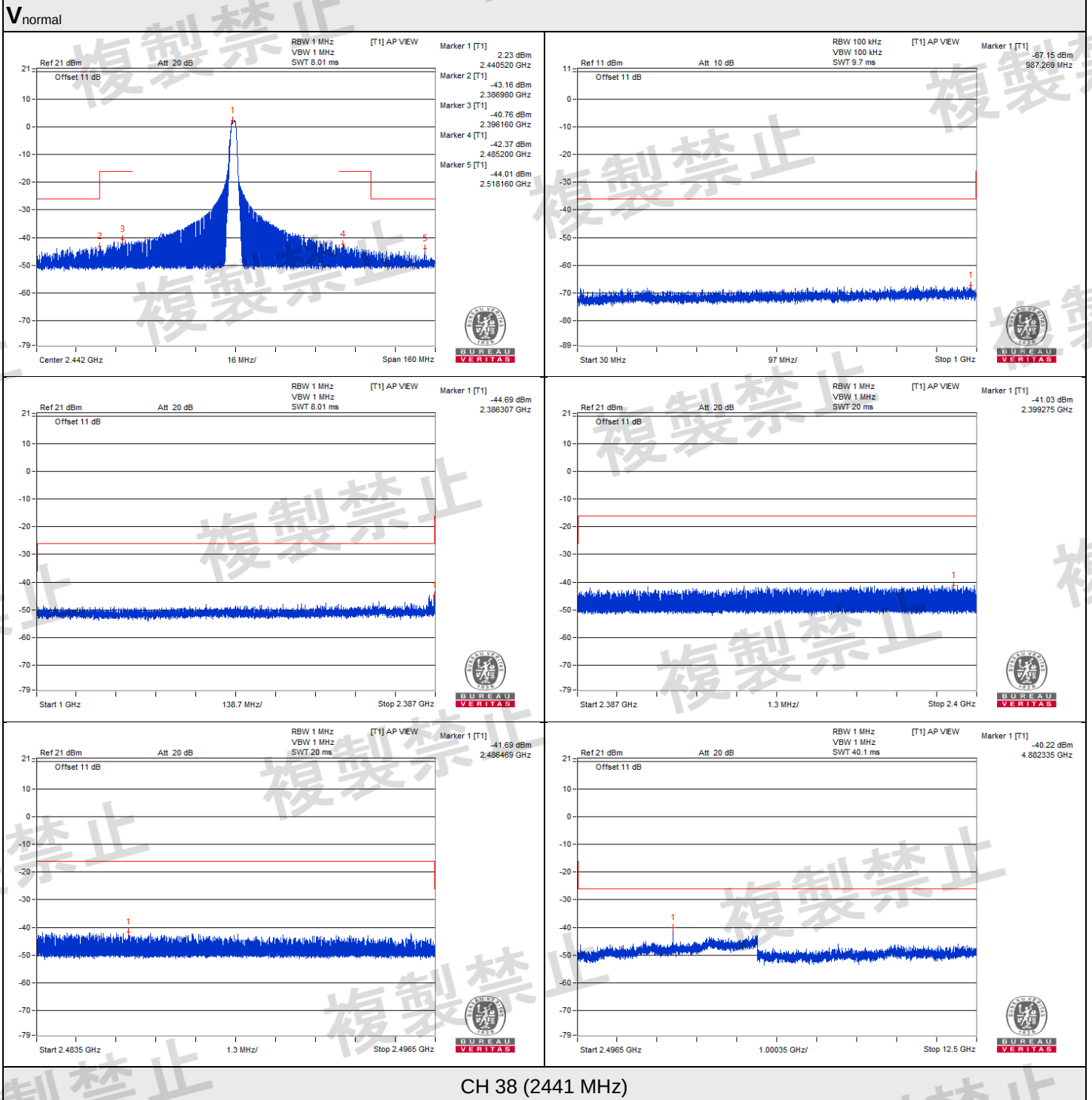
V_{max}.



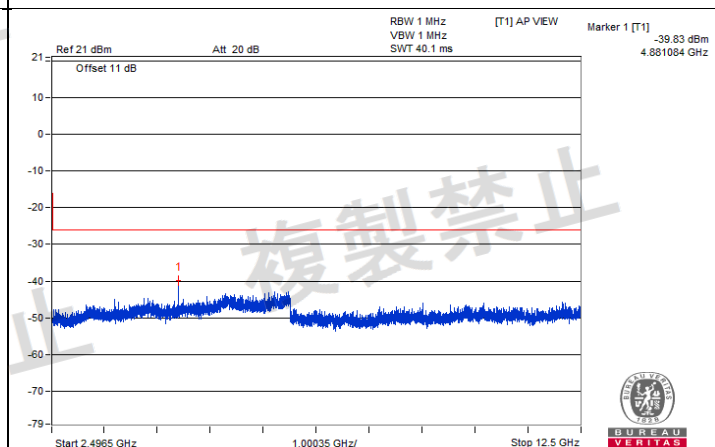
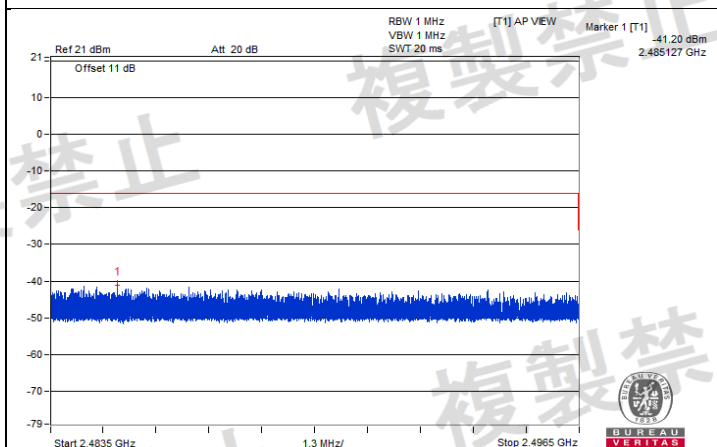
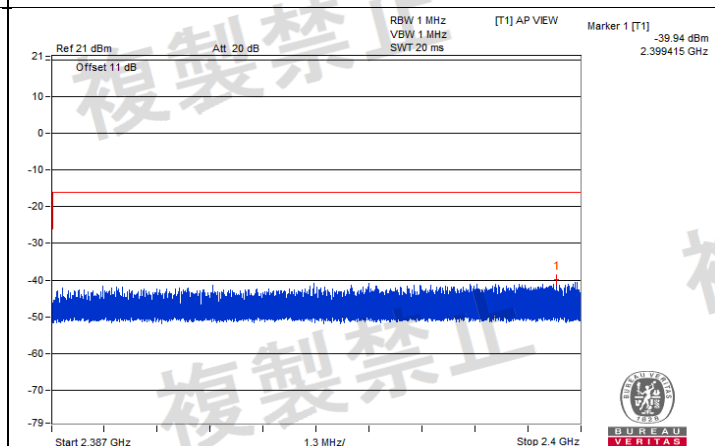
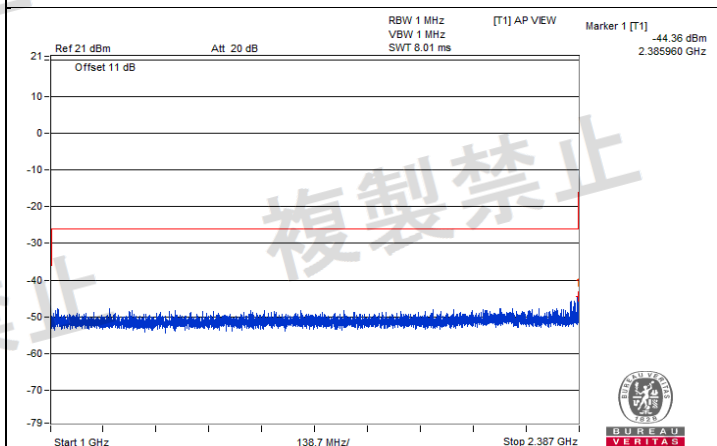
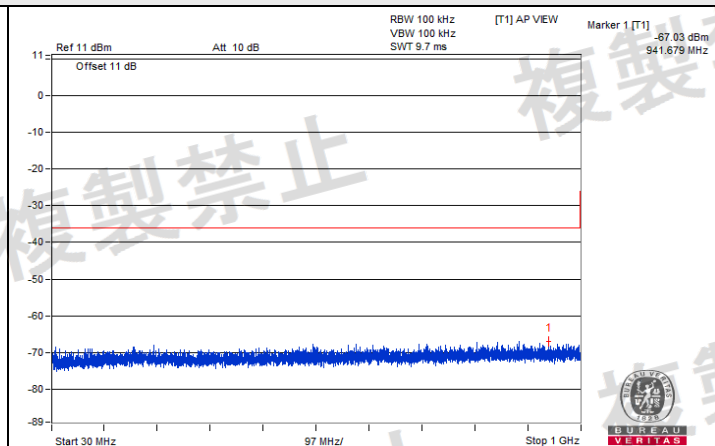
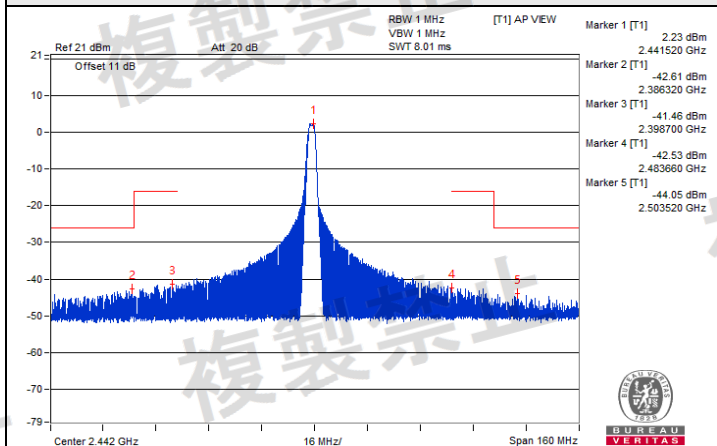
CH 0 (2403 MHz)

Vmin.



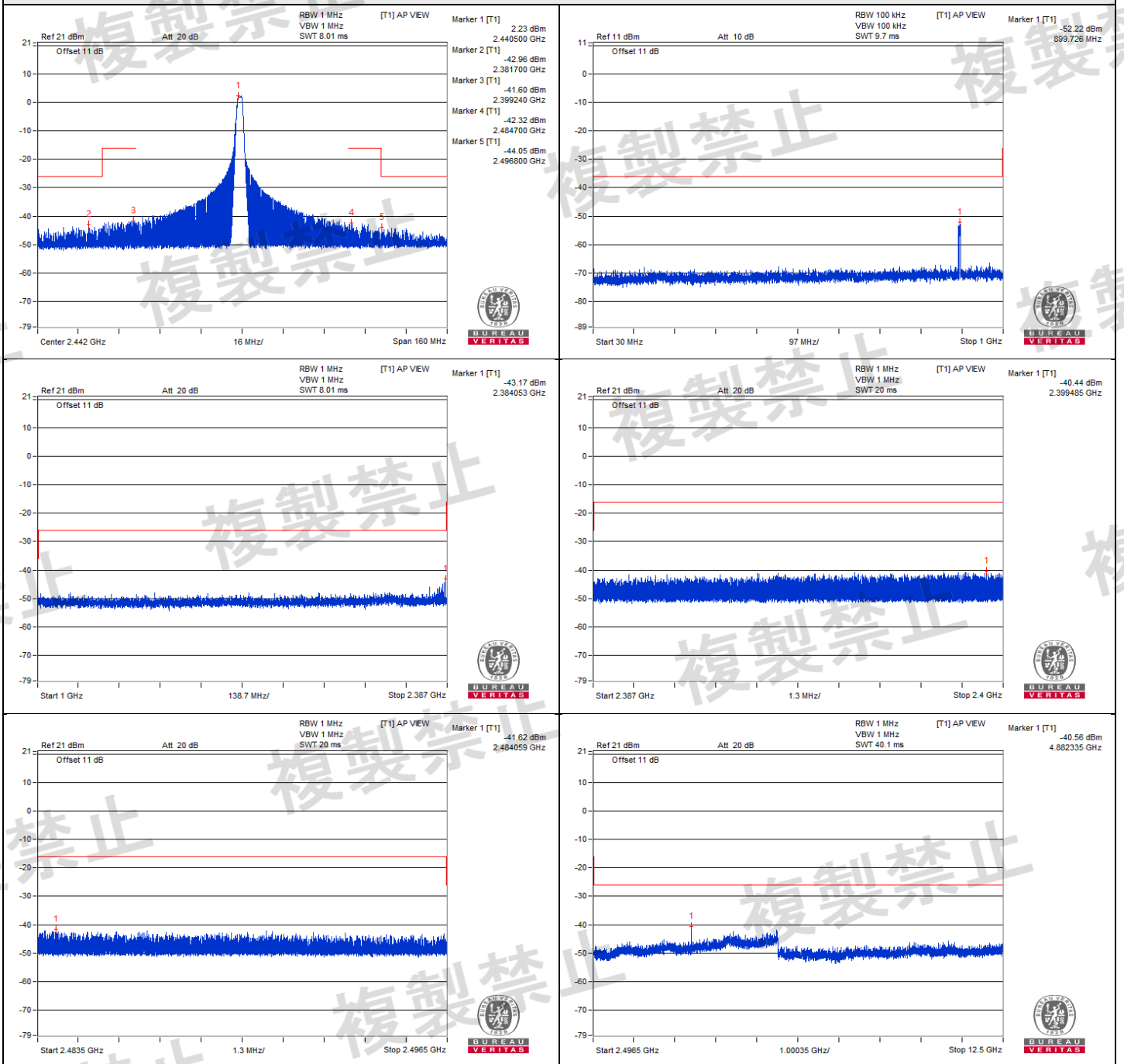


Vmax.



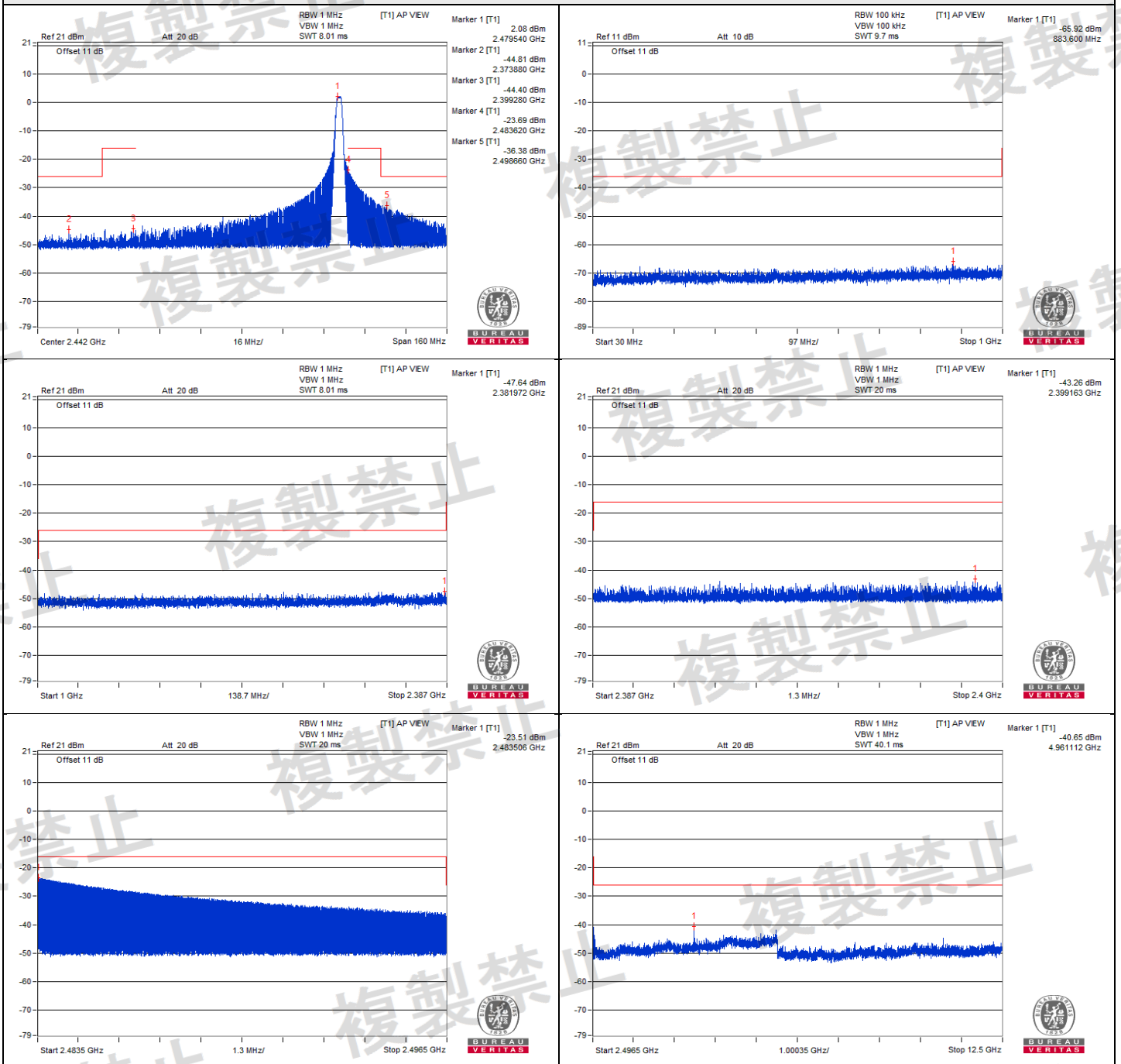
CH 38 (2441 MHz)

Vmin.



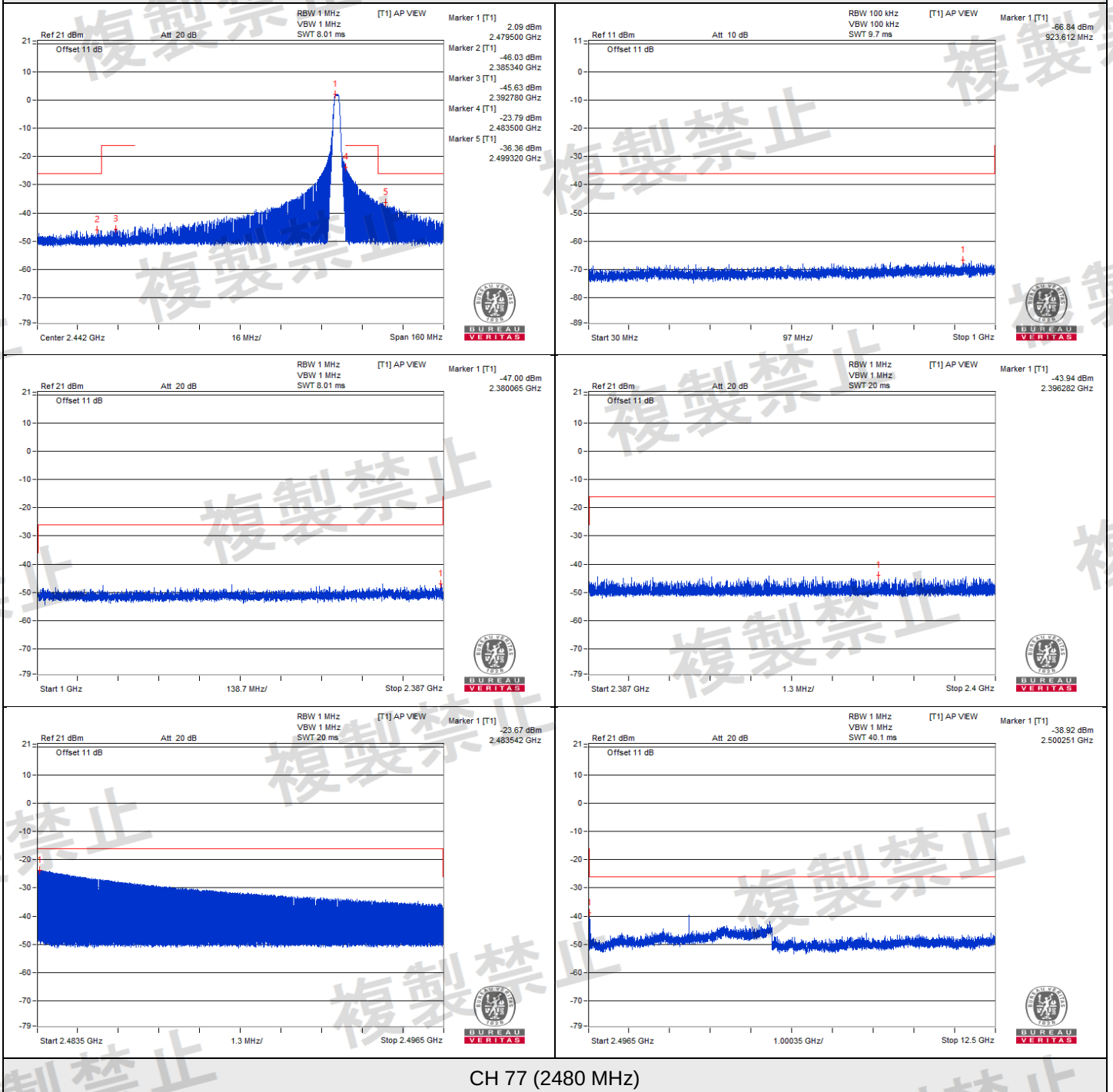
CH 38 (2441 MHz)

Vnormal

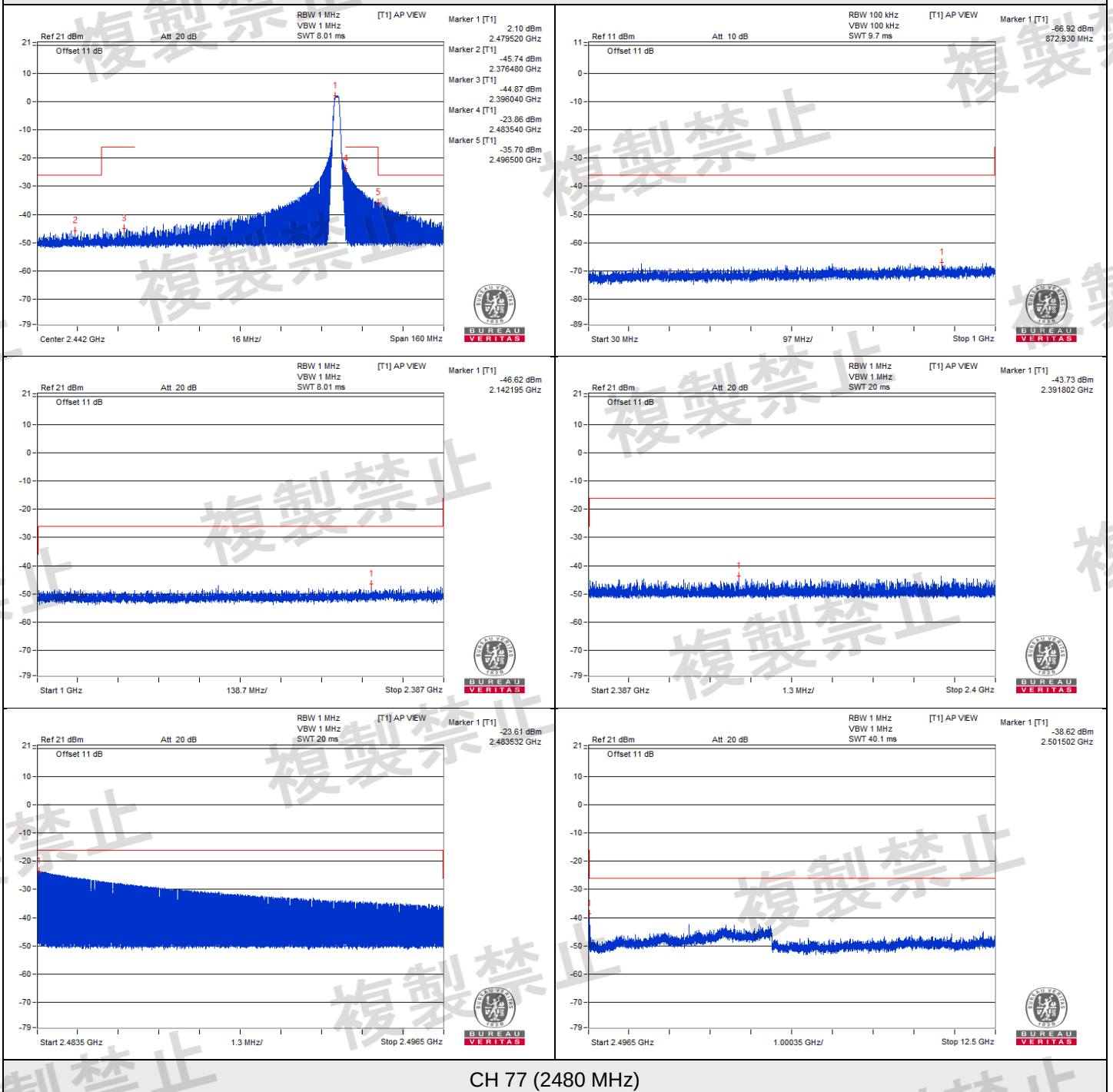


CH 77 (2480 MHz)

V_{max}.



V_{min}.



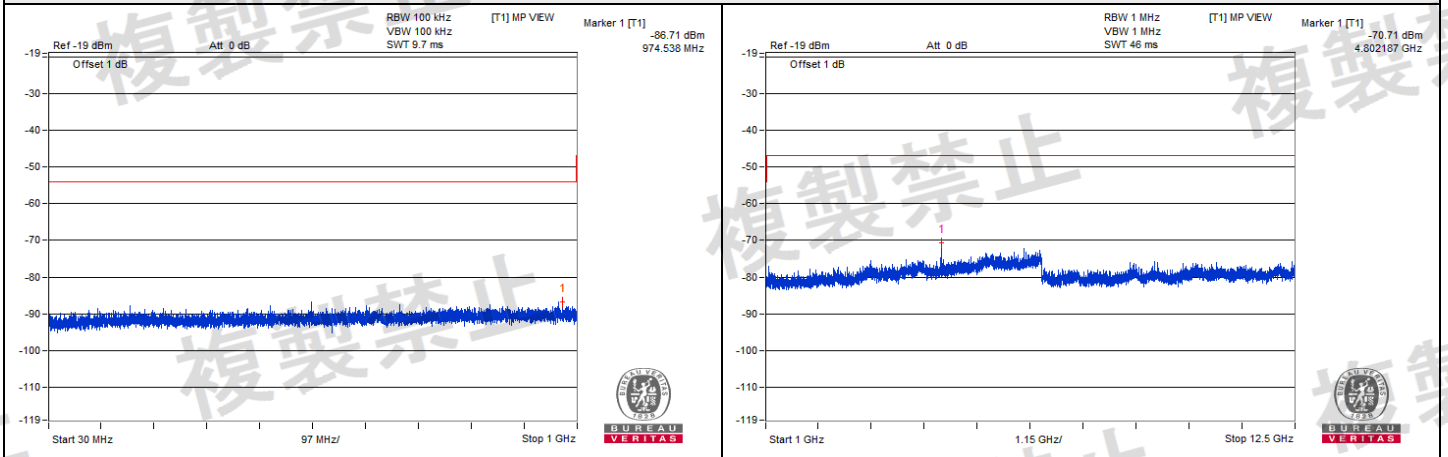
7.4 Spurious Emissions of Receiver

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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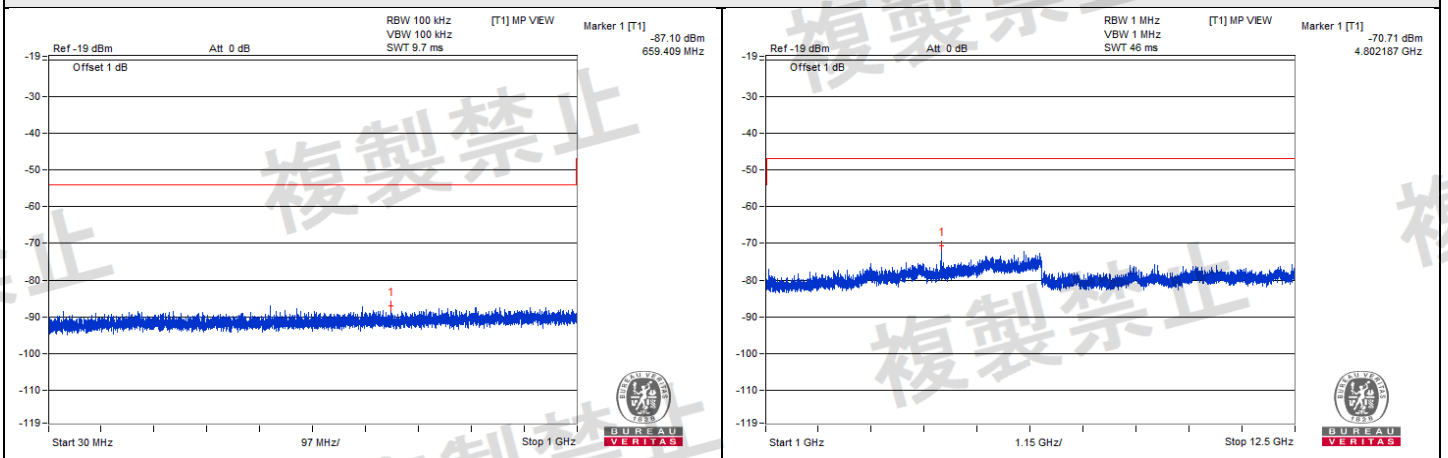
TEST CHANNEL		CH 0 (2403 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	974.538	0.002133	4	PASS
	1000.0 to 12500.0	4802.187	0.084918	20	PASS
V_{max.}	30.0 to 1000.0	659.409	0.00195	4	PASS
	1000.0 to 12500.0	4802.187	0.084918	20	PASS
V_{min.}	30.0 to 1000.0	939.254	0.002123	4	PASS
	1000.0 to 12500.0	4803.625	0.098175	20	PASS
TEST CHANNEL		CH 38 (2441 MHz)			
V_{normal}	30.0 to 1000.0	737.494	0.002716	4	PASS
	1000.0 to 12500.0	4878.375	0.078886	20	PASS
V_{max.}	30.0 to 1000.0	868.808	0.002	4	PASS
	1000.0 to 12500.0	4879.812	0.0877	20	PASS
V_{min.}	30.0 to 1000.0	900.090	0.002056	4	PASS
	1000.0 to 12500.0	4878.375	0.075683	20	PASS
TEST CHANNEL		CH 77 (2480 MHz)			
V_{normal}	30.0 to 1000.0	932.342	0.002046	4	PASS
	1000.0 to 12500.0	4957.437	0.091201	20	PASS
V_{max.}	30.0 to 1000.0	811.941	0.001862	4	PASS
	1000.0 to 12500.0	4957.437	0.064269	20	PASS
V_{min.}	30.0 to 1000.0	860.805	0.001901	4	PASS
	1000.0 to 12500.0	4956.000	0.068707	20	PASS

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

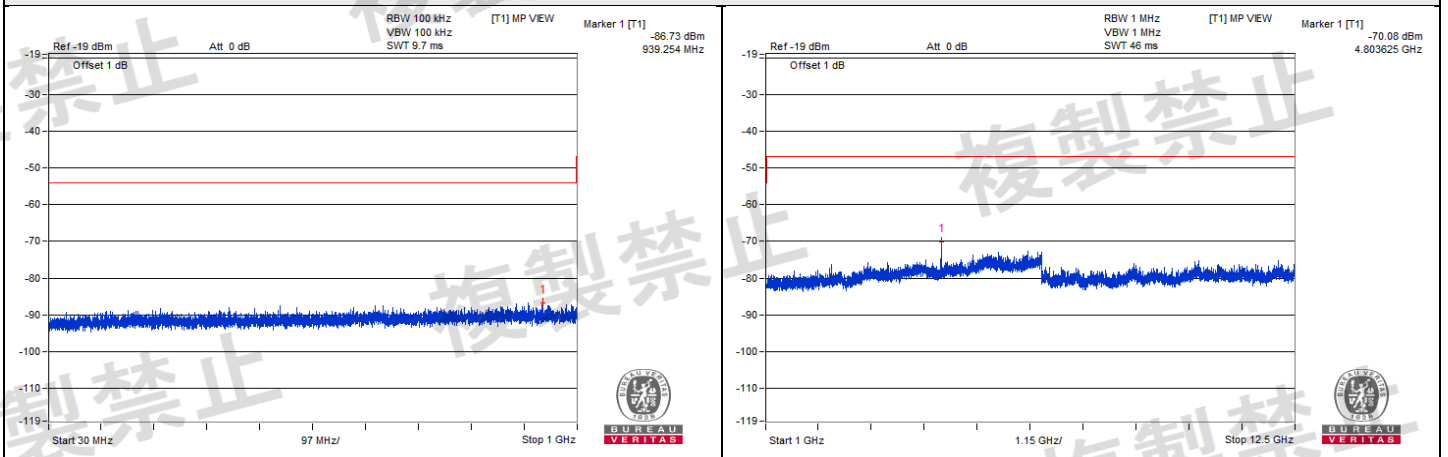
V_{normal}



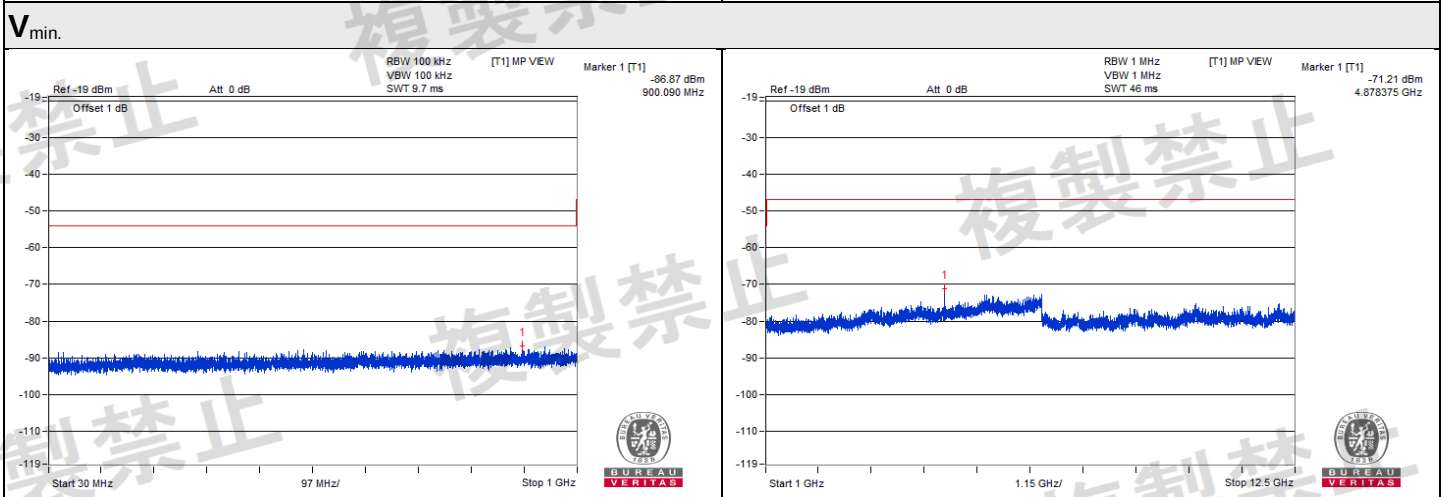
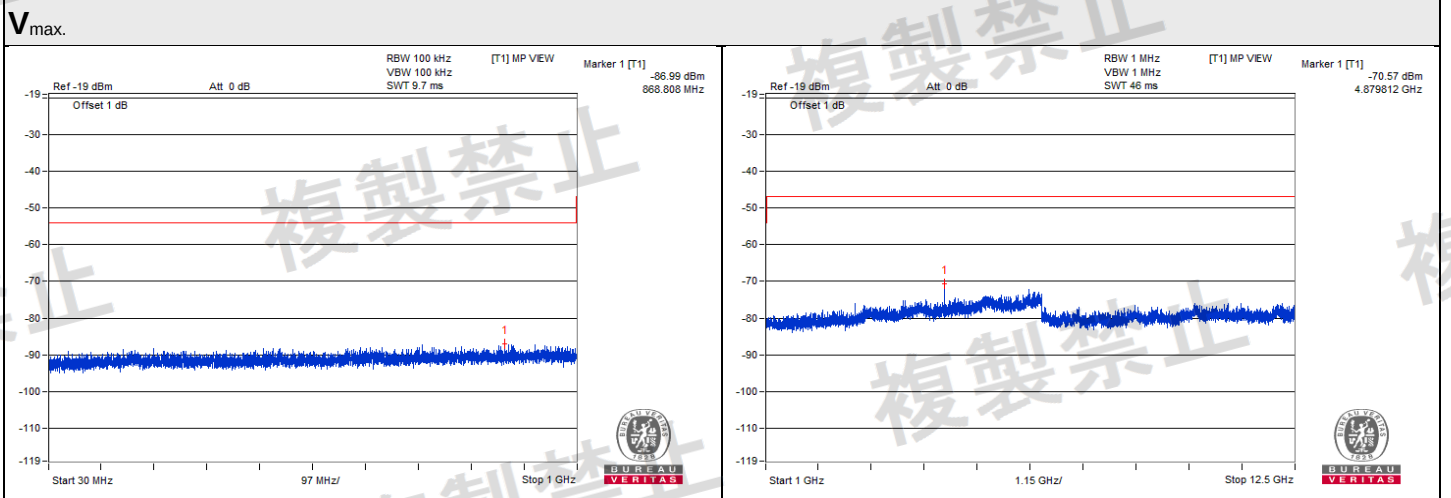
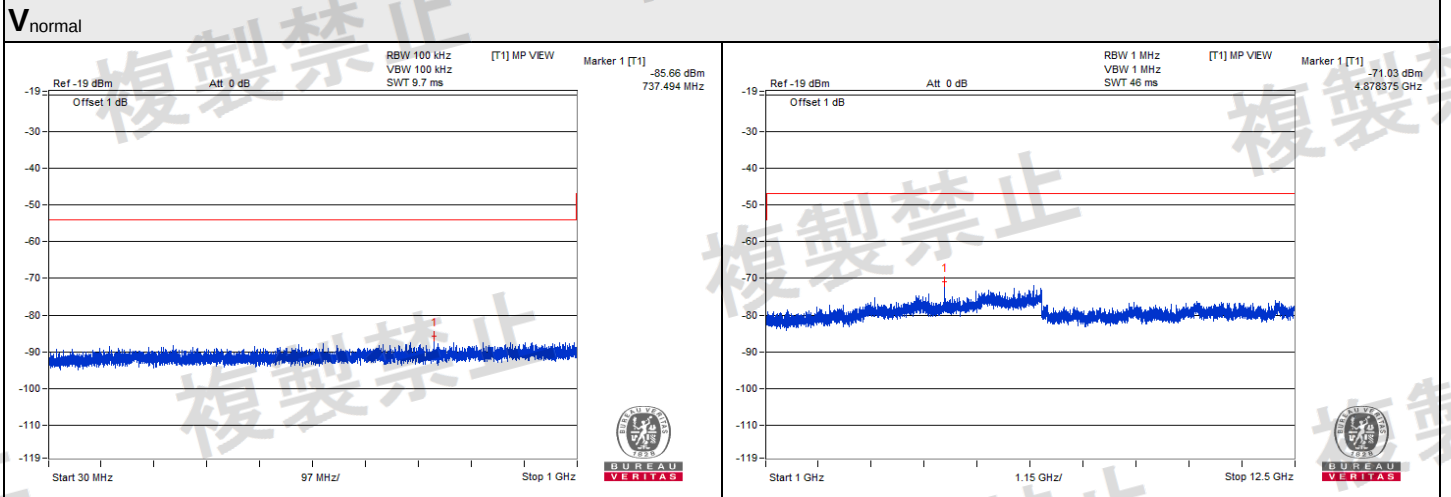
V_{max}



V_{min}

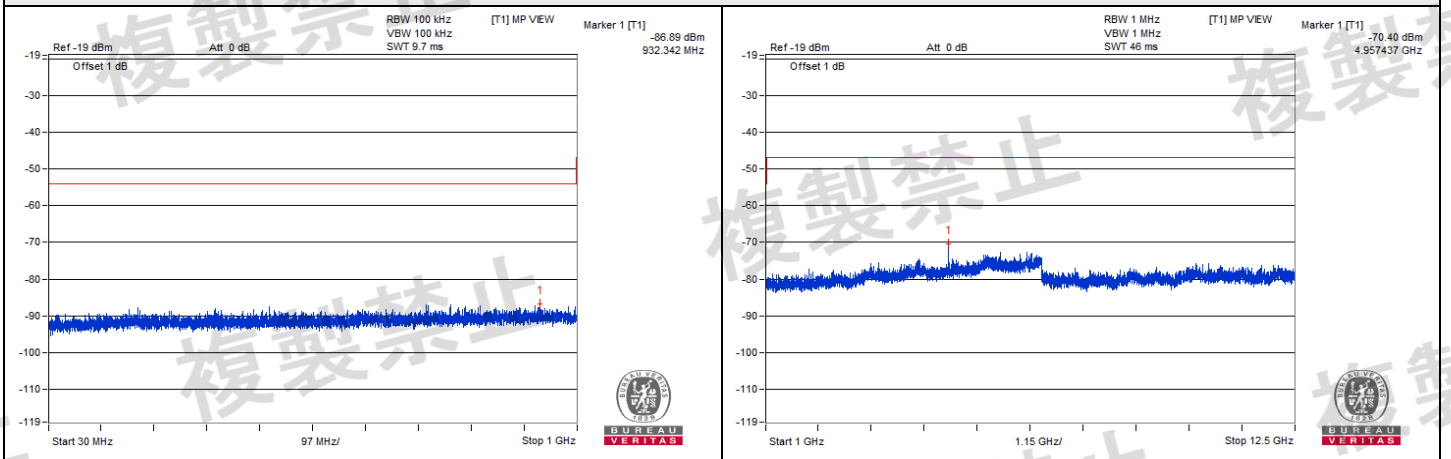


CH 0 (2403 MHz)

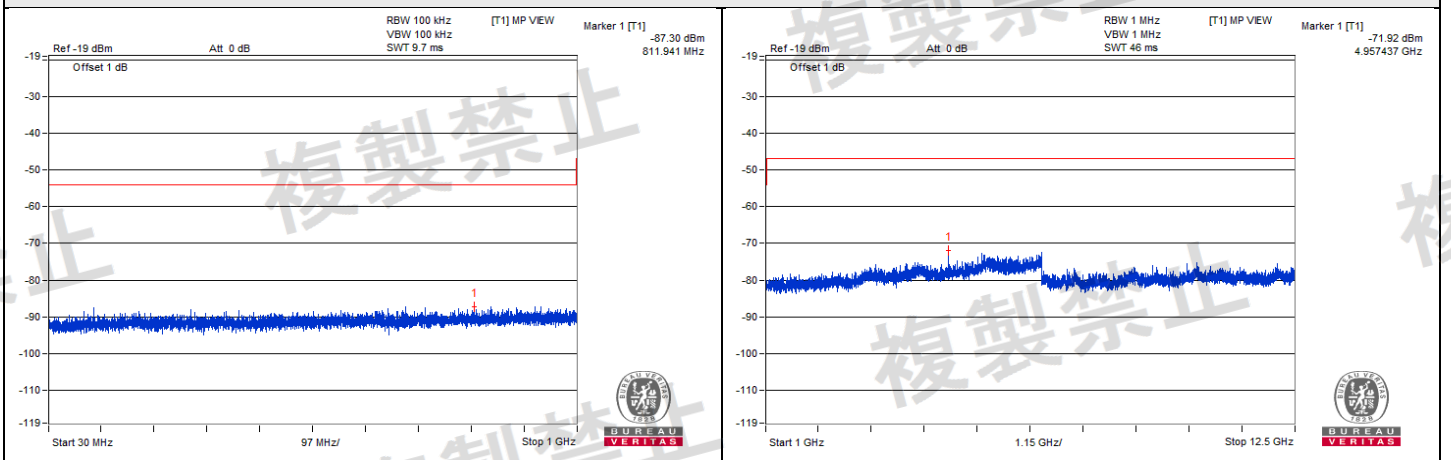


CH 38 (2441 MHz)

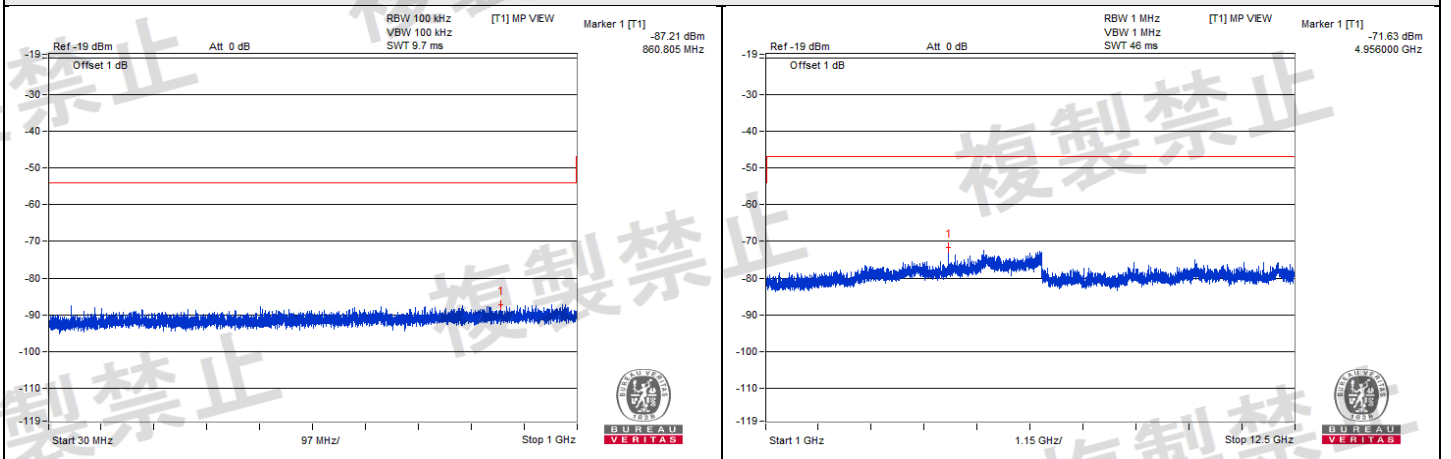
V_{normal}



V_{max}



V_{min}



CH 77 (2480 MHz)

7.5 Antenna Power

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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GFSK

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
5	0	2403	2.35	5.249
	38	2441	2.301	5.139
	77	2480	2.173	4.854
5.5	0	2403	2.366	5.285
	38	2441	2.239	5.001
	77	2480	2.188	4.887
4.5	0	2403	2.355	5.26
	38	2441	2.223	4.965
	77	2480	2.254	5.034
Maximum Limit (mW):			10	-
Rated Power (mW):			3	-
Maximum Tolerance of Antenna Power (mW):			3.6	-
Maximum EIRP Limit (mW):			-	16.368

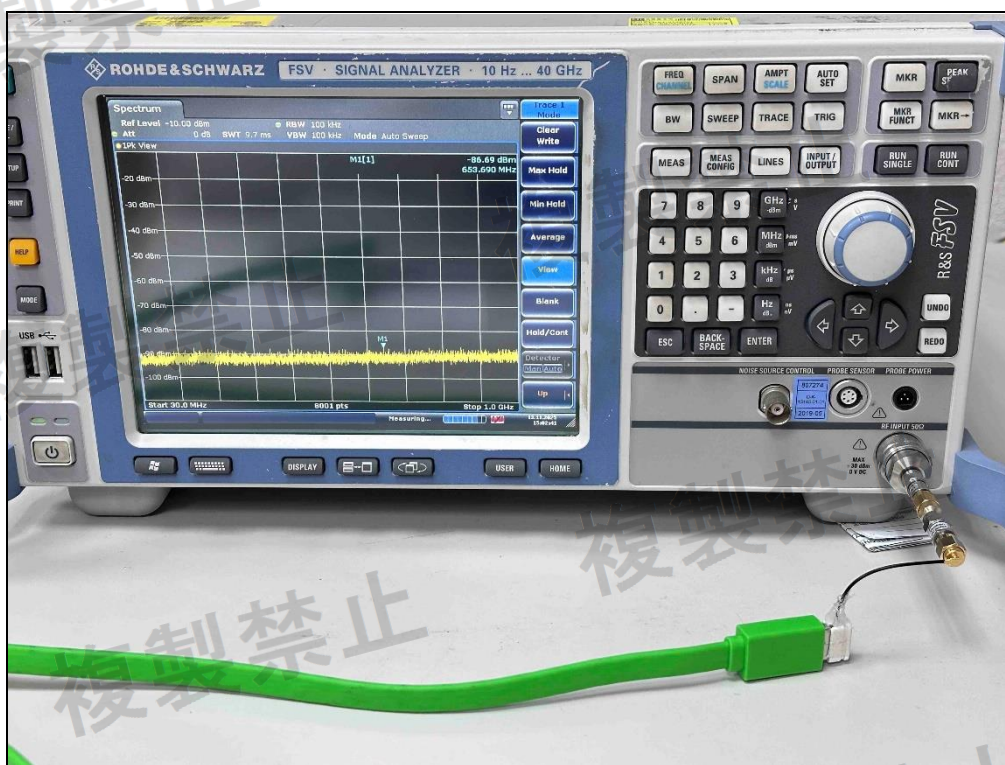
Notes:

1. Antenna gain is 3.49 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:

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Fax: 886-2-26051924

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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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