

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19
Report No.: RJBKDG-WTW-P24090191
Product: Wireless Mouse
Brand: Logicoool, logi, logicoool
Model No.: MR0116
Received Date: 2024/10/23
Test Date: 2024/10/29
Issued Date: 2024/11/22
Applicant: LOGITECH FAR EAST LTD.
Address: #2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan, R.O.C.
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

Approved by: _____

May Chen / Manager

, Date: _____

2024/11/22

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Prepared by: Vito Lung / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RJBDBG-WTW-P24090191	Original release.	2024/11/22

1 Certificate

Product: Wireless Mouse

Brand: Logicoool, logi, logicoool

Test Model: MR0116

Sample Status: Engineering sample

Applicant: LOGITECH FAR EAST LTD.

Test Date: 2024/10/29

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	1050.00 Hz
Spurious Emissions	2.5 dB
Output Power Density	1.2 dB
Frequency Tolerance	960 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	Logicoool, logi, logicoool
Test Model	MR0116
Test Software Version	RF Sample with Receiver [Number Lock]
Status of EUT	Engineering sample
Power Supply Rating	1.5 Vdc from battery
Modulation Type	GFSK
Modulation Technology	DTS
Transfer Rate	2 Mbps
Operating Frequency	2.405 GHz ~ 2.474 GHz
Number of Channel	70
Housing Requirements	The housing consists of two plastic parts, plastic parts are fixed together by hooks. Separating the two parts was only possible by special tools.

Note:

1. 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)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
GFSK	2	1.265	2.925

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
3.64	2.4~2.4835	Printed Monopole	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

70 channels are provided to this EUT:

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

3.5 Power Setting

Channel	Power Setting
1	Default
40	Default
70	Default

Test Item	Operation Description
Frequency Tolerance	UFY TX Unmodulated 2405MHz UFY TX Unmodulated 2444MHz UFY TX Unmodulated 2474MHz
Occupied Bandwidth	UFY TX Modulated low duty cycle 2405MHz UFY TX Modulated low duty cycle 2444MHz UFY TX Modulated low duty cycle 2474MHz
Spurious Emissions for Transmitter	
Antenna Power	
Spurious Emissions for Receiver	UFY RX 2405MHz UFY RX 2444MHz UFY RX 2474MHz
Interference Prevention Function	Normal mode

3.6 Test Mode Applicability and Tested Channel Detail

Test Conditions	Voltage (Vdc)
V_{normal}	1.5
$V_{max.}$	1.65
$V_{min.}$	1.35

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

Test Item	Tested Channel	Modulation	Data Rate Parameter
Frequency Tolerance	1, 40, 70	Unmodulated	-
Occupied Bandwidth	1, 40, 70	GFSK	2Mb/s
Spurious Emissions	1, 40, 70	GFSK	2Mb/s
Spurious Emissions of Receiver	1, 40, 70	GFSK	2Mb/s
Antenna Power	1, 40, 70	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
DC Power Supply GOOD WILL INSTRUMENT CO. LTD	GPC-3030D	E847076	Note 2	Note 2	BV CPS E&E	(d)
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6	ETC	(c)
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A
True RMS Clamp Meter FLUKE	325	31130711WS	2024/6/13	2025/6/12	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 RMS clamp meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2024/10/29

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
DC Power Supply GOOD WILL INSTRUMENT CO. LTD	GPC-3030D	E847076	Note 2	Note 2	BV CPS E&E	(d)
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6	ETC	(c)
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6	ETC	(c)
True RMS Clamp Meter FLUKE	325	31130711WS	2024/6/13	2025/6/12	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 RMS clamp meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2024/10/29

4.6 Interference Prevention Function

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
DC Power Supply GOOD WILL INSTRUMENT CO. LTD	GPC-3030D	E847076	Note 2	Note 2	BV CPS E&E	(d)
True RMS Clamp Meter FLUKE	325	31130711WS	2024/6/13	2025/6/12	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 RMS clamp meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2024/10/29

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	$\leq 0.25 \text{ uW/100 kHz}$
1000.0 MHz to 2387 MHz	$\leq 2.5 \text{ uW/MHz}$
2387.0 MHz to 2400.0 MHz	$\leq 25 \text{ uW/MHz}$
2483.5 MHz to 2496.5 MHz	$\leq 25 \text{ uW/MHz}$
2496.5 MHz to 12500.0 MHz	$\leq 2.5 \text{ uW/MHz}$

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).

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")

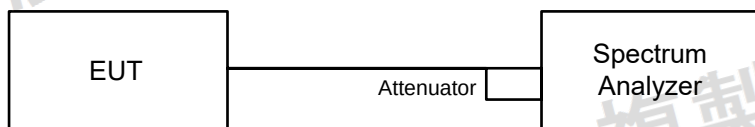
5.6 Interference Prevention Function

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

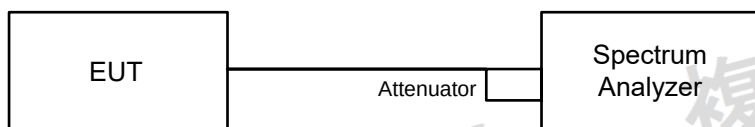
When performing radiolocation work: A function that allows you to distinguish between reflected waves of radio waves transmitted by your own station and radio waves transmitted by other radio stations by identifying the modulation method and other characteristics of received radio waves. (However, if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

6 Test Arrangements

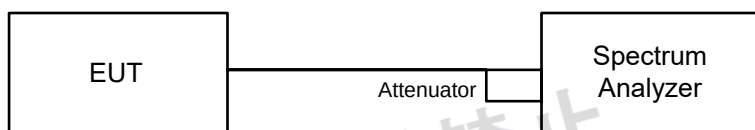
6.1 Frequency Tolerance



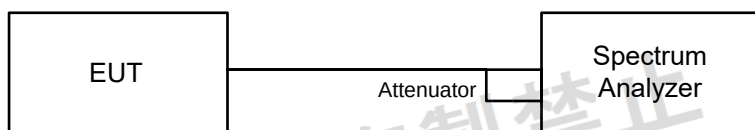
6.2 Occupied Bandwidth



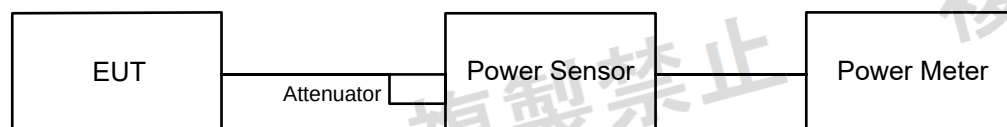
6.3 Spurious Emissions



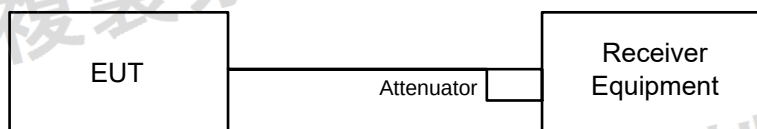
6.4 Spurious Emissions of Receiver



6.5 Antenna Power



6.6 Interference Prevention Function



7 Test Results of Test Item

7.1 Frequency Tolerance

Environmental Conditions:	23°C, 63% RH	Tested By:	JyunChun.Lin
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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)
1	2405	2404.994040	-2.478	2404.993860	-2.553	2404.994040	-2.478
40	2444	2443.994020	-2.446	2443.994140	-2.397	2443.994280	-2.340
70	2474	2473.993780	-2.514	2473.993960	-2.441	2473.993840	-2.489

7.2 Occupied Bandwidth

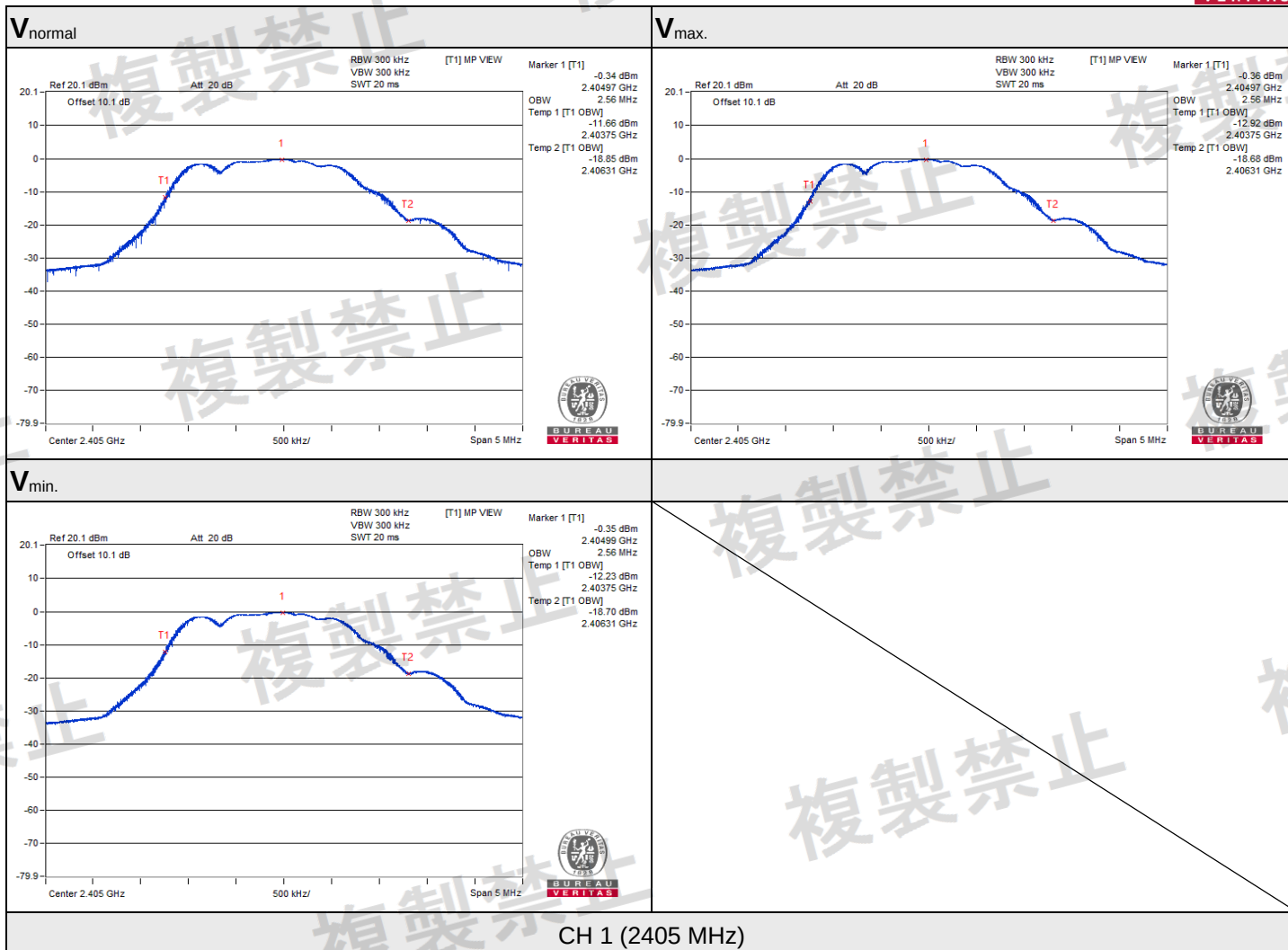
Environmental Conditions:	23°C, 63% RH	Tested By:	JyunChun.Lin
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Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
1	2405	2.56	2.56	2.56
40	2444	2.55	2.55	2.55
70	2474	2.56	2.56	2.57

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

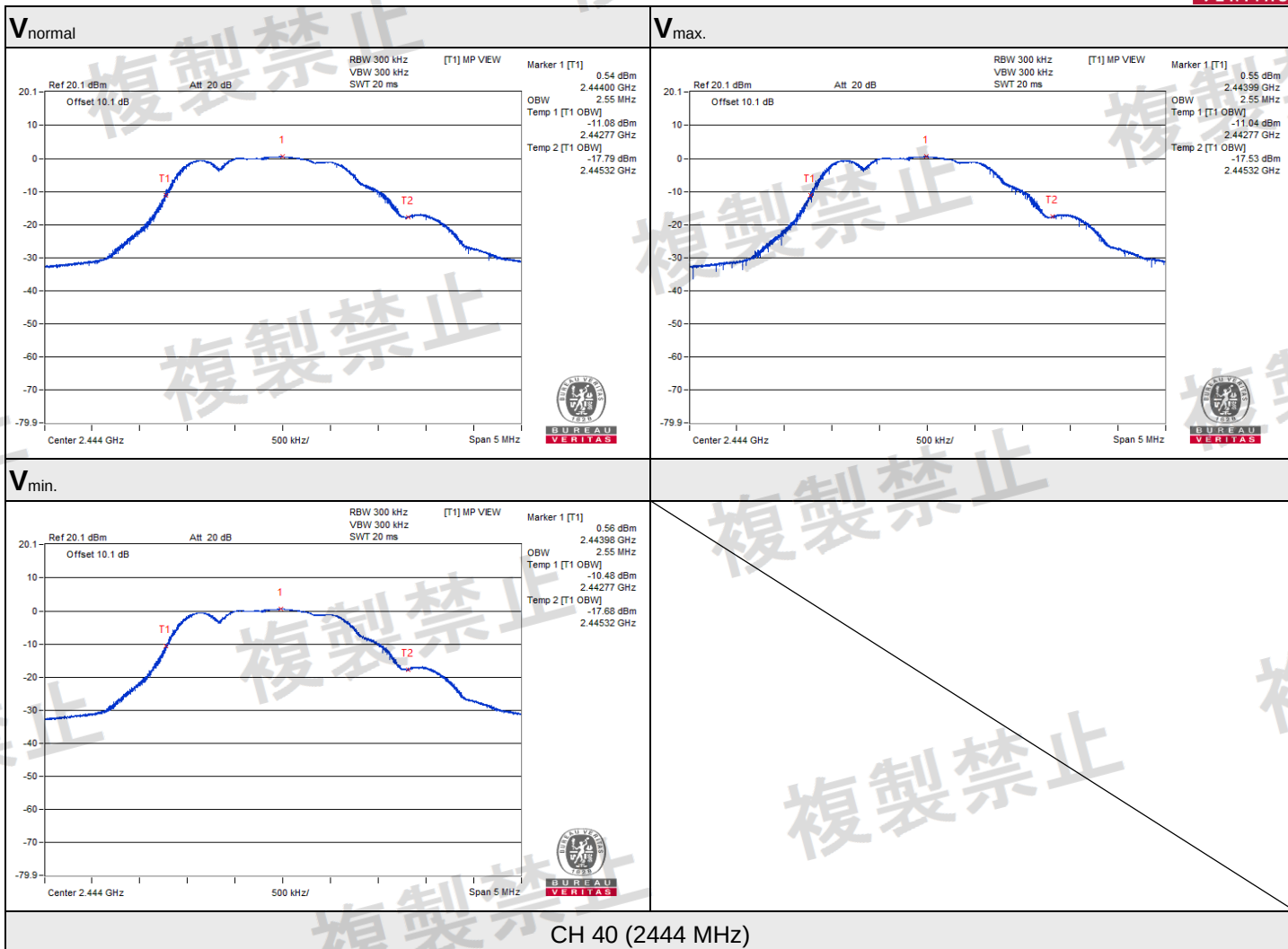


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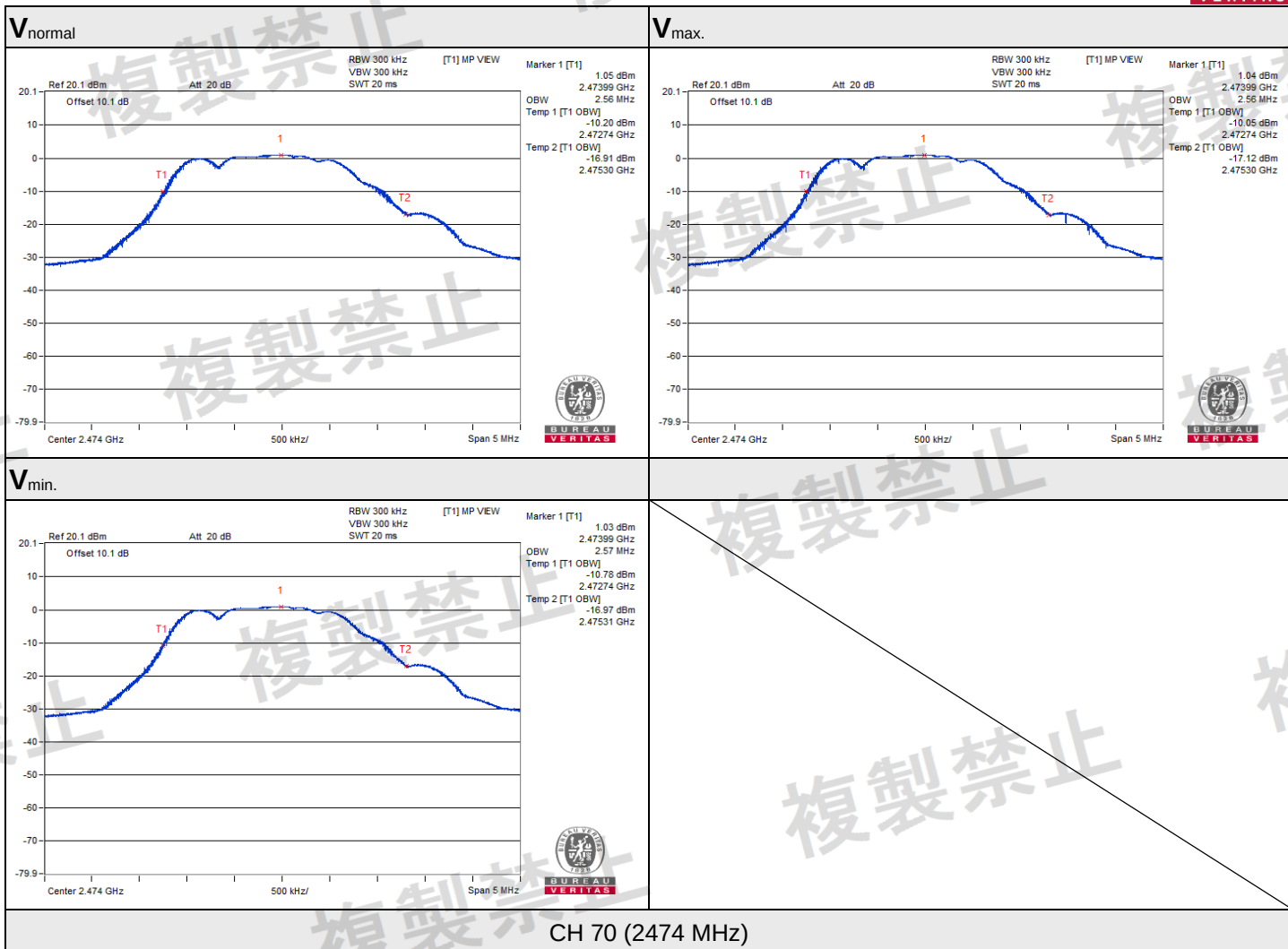


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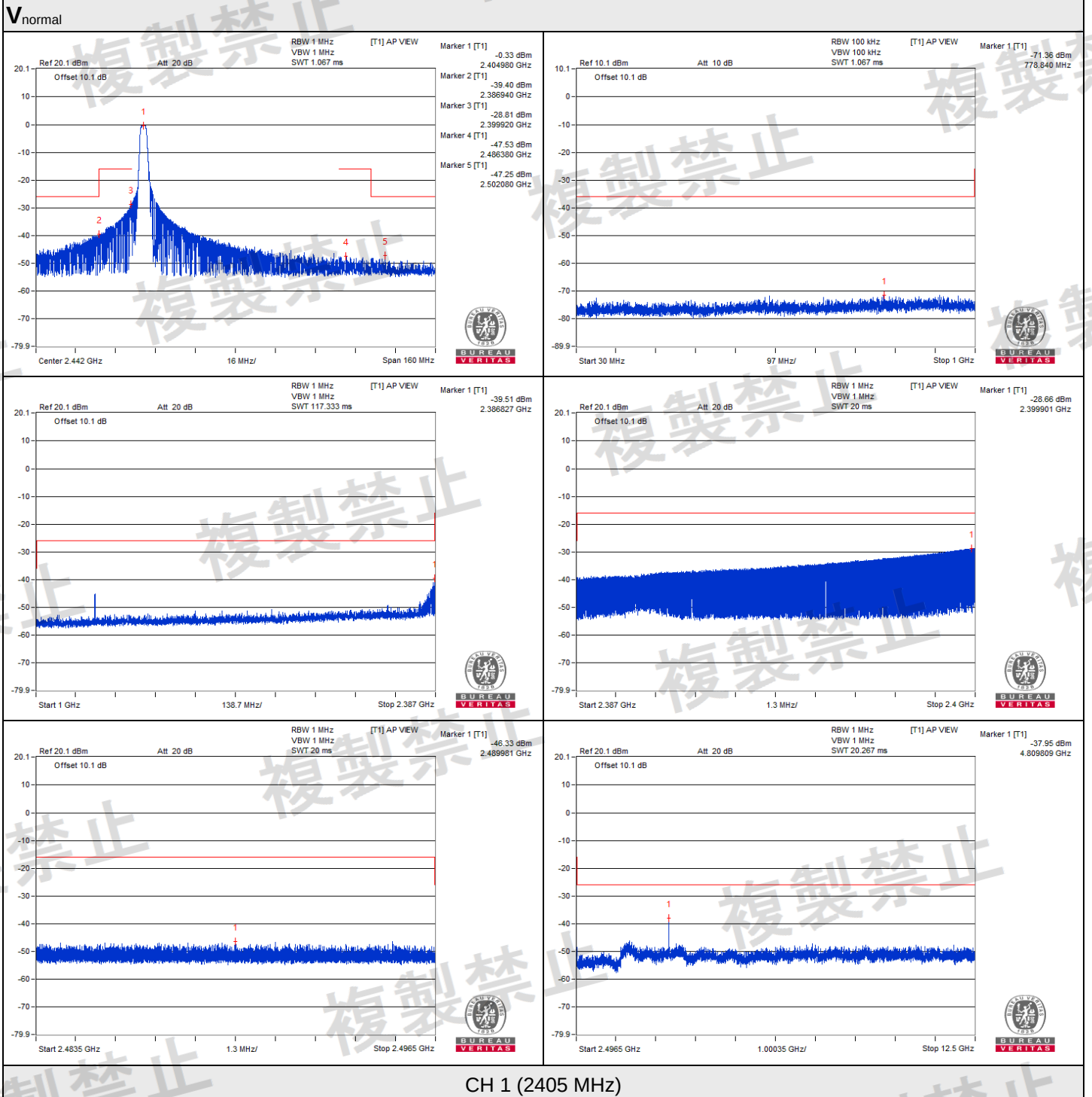


7.3 Spurious Emissions

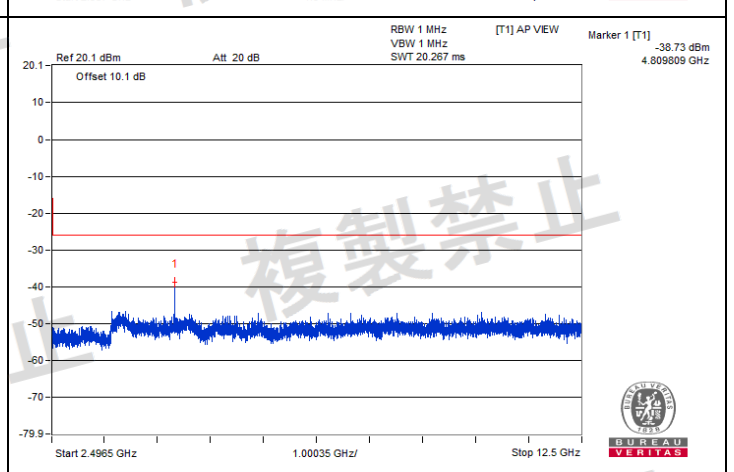
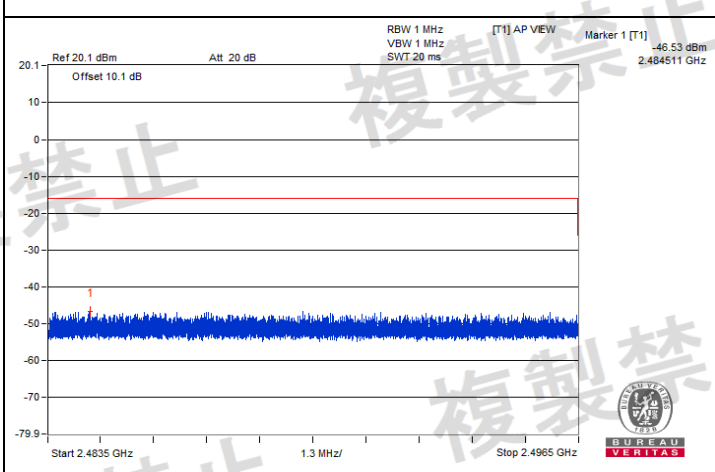
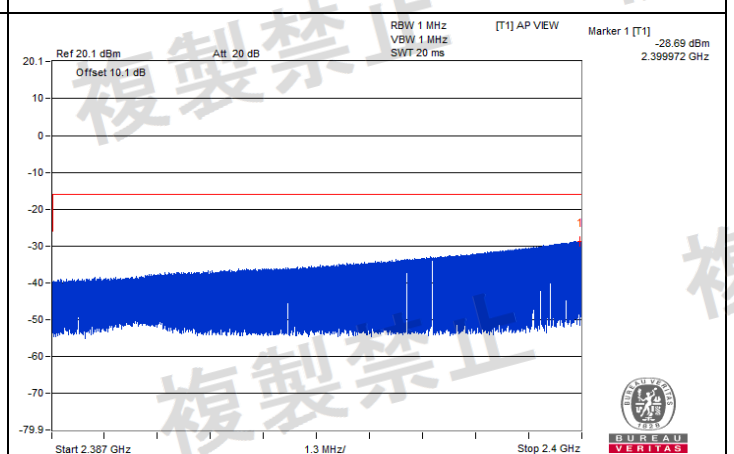
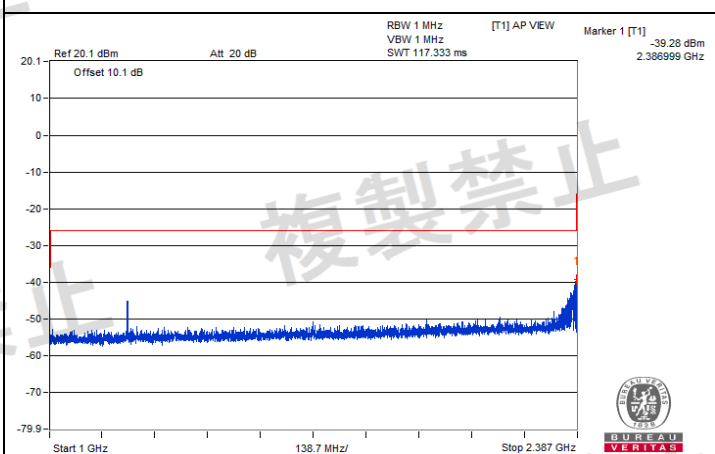
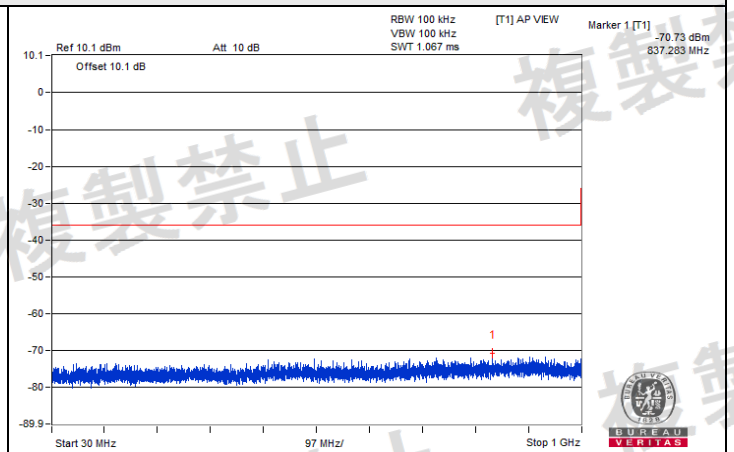
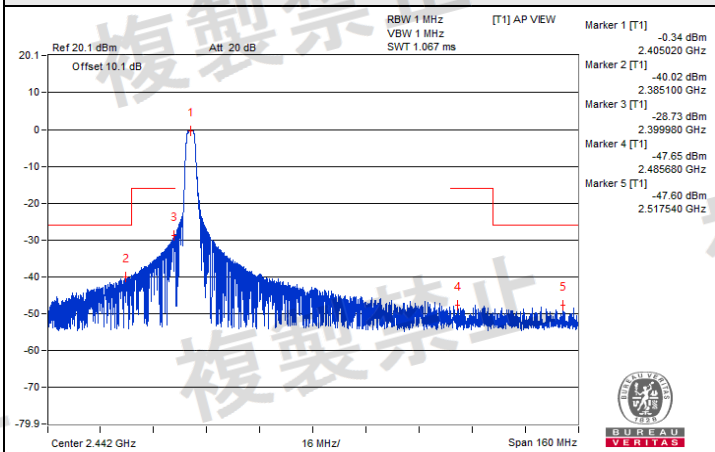
Environmental Conditions:	23°C, 63% RH	Tested By:	JyunChun.Lin
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TEST CHANNEL		CH 1 (2405 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	778.840	0.000073 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2386.827	0.111944 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.901	1.361445 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2489.981	0.023281 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4809.809	0.160325 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	837.283	0.000085 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2386.999	0.118032 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.972	1.352073 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.511	0.022233 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4809.809	0.133968 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	924.704	0.000081 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	2385.093	0.087902 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.971	1.358313 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2496.118	0.024378 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4811.060	0.134896 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 40 (2444 MHz)			
V_{normal}	30MHz to 1000MHz	843.102	0.000089 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1222.093	0.029512 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2398.992	0.032734 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2485.112	0.05728 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4887.337	0.107647 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	882.994	0.00011 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1222.267	0.029923 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.004	0.039811 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.867	0.057544 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4888.587	0.084723 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	758.712	0.000086 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1222.093	0.030974 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.836	0.035727 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2484.160	0.060395 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4887.337	0.090365 uW/MHz	2.5 uW/MHz	PASS

TEST CHANNEL		CH 70 (2474 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30MHz to 1000MHz	856.076	0.000074 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1237.177	0.033189 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2397.598	0.023714 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.508	0.630957 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4947.358	0.077268 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30MHz to 1000MHz	742.707	0.000075 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1237.177	0.029174 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2393.427	0.019815 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.526	0.651628 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	2497.750	0.100925 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30MHz to 1000MHz	903.000	0.000082 uW/100kHz	0.25 uW/100kHz	PASS
	1000MHz to 2387MHz	1237.004	0.033806 uW/MHz	2.5 uW/MHz	PASS
	2387MHz to 2400MHz	2399.920	0.02133 uW/MHz	25 uW/MHz	PASS
	2483.5MHz to 2496.5MHz	2483.523	0.648634 uW/MHz	25 uW/MHz	PASS
	2496.5MHz to 12500MHz	4947.358	0.1 uW/MHz	2.5 uW/MHz	PASS
NOTE: 1. The spectrum plots are attached on the following pages.					

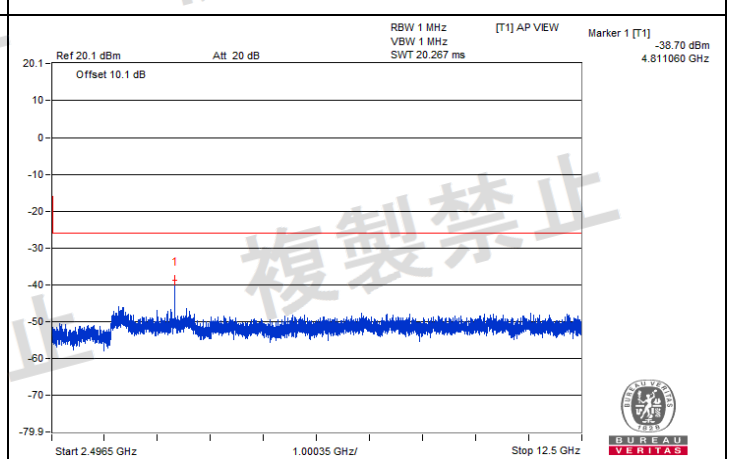
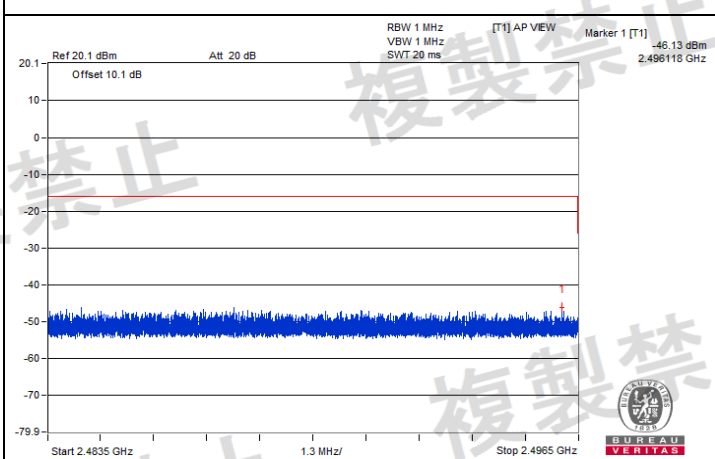
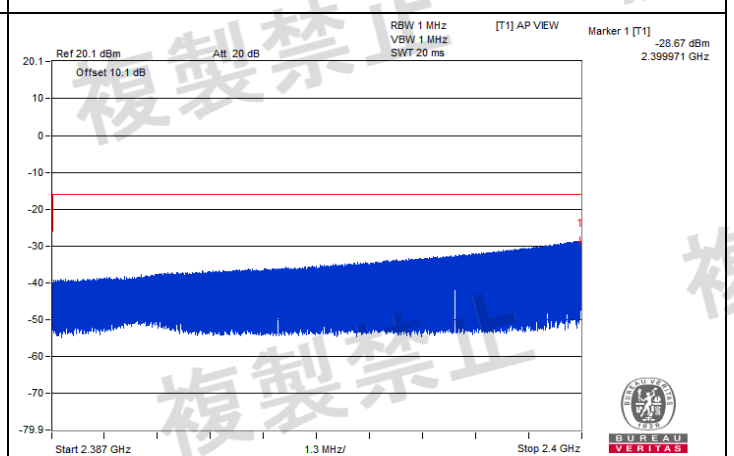
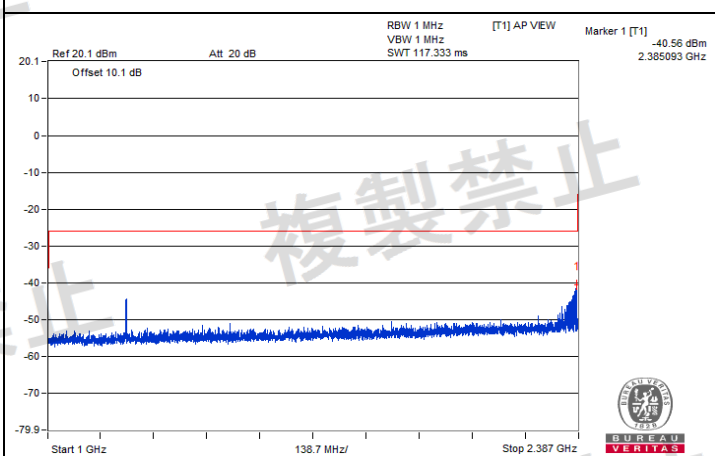
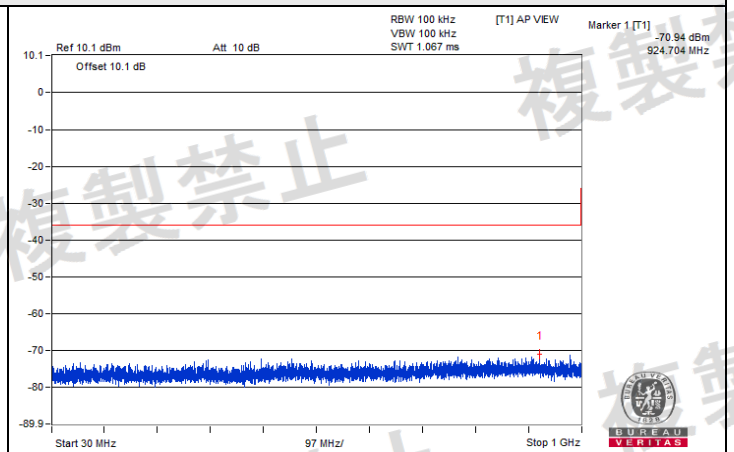
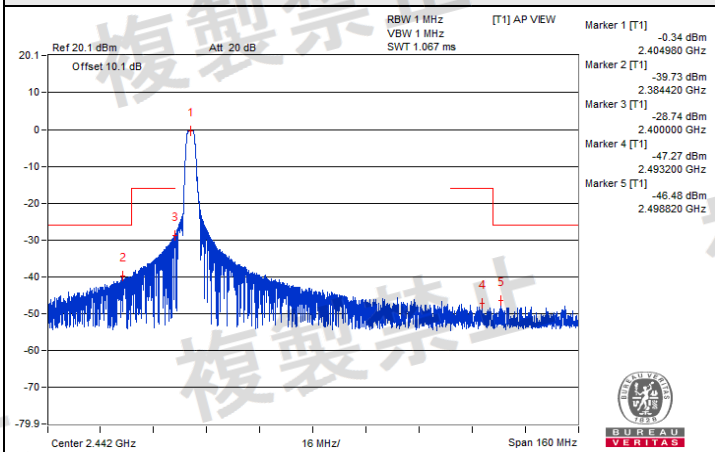


Vmax.

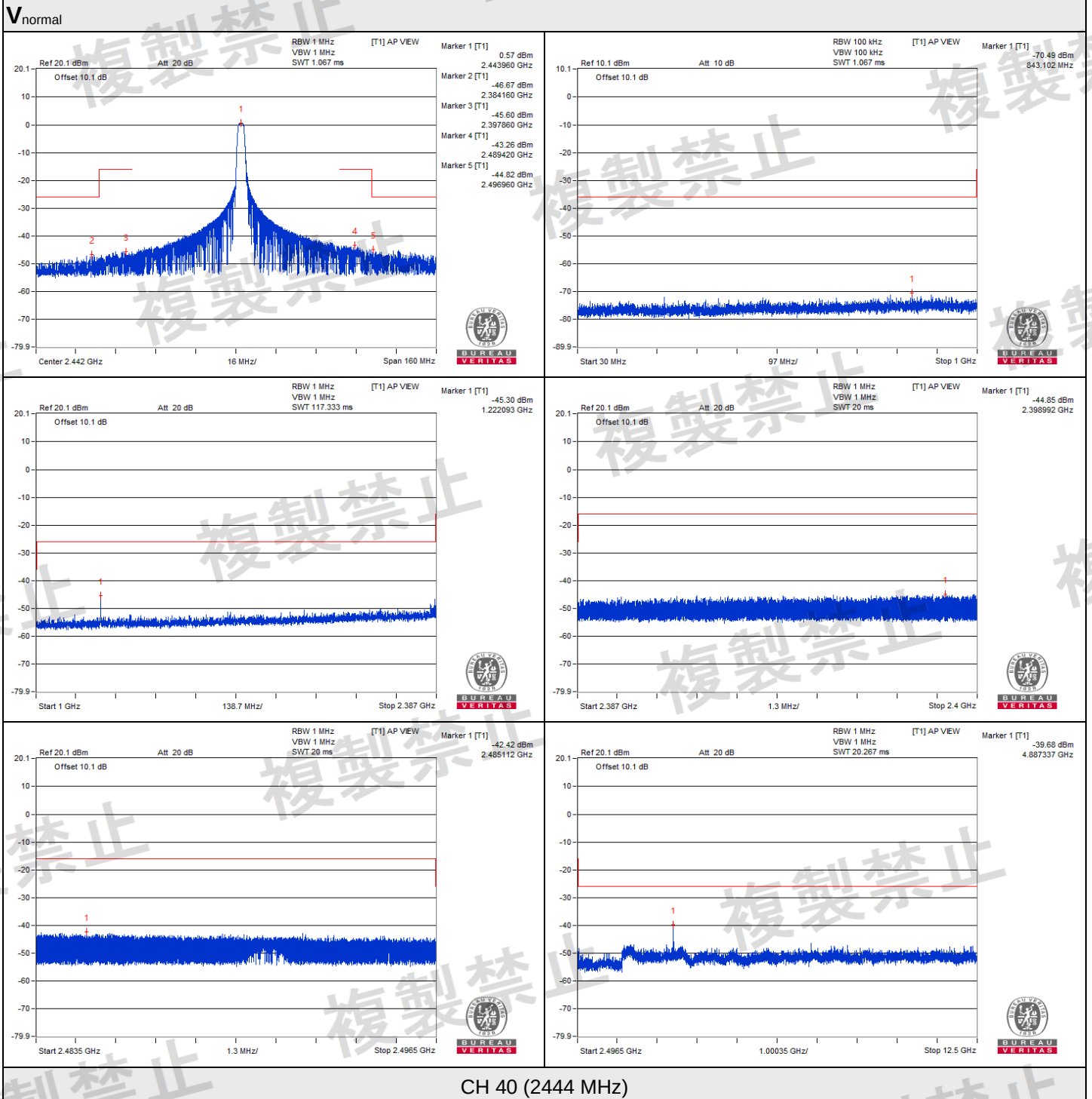


CH 1 (2405 MHz)

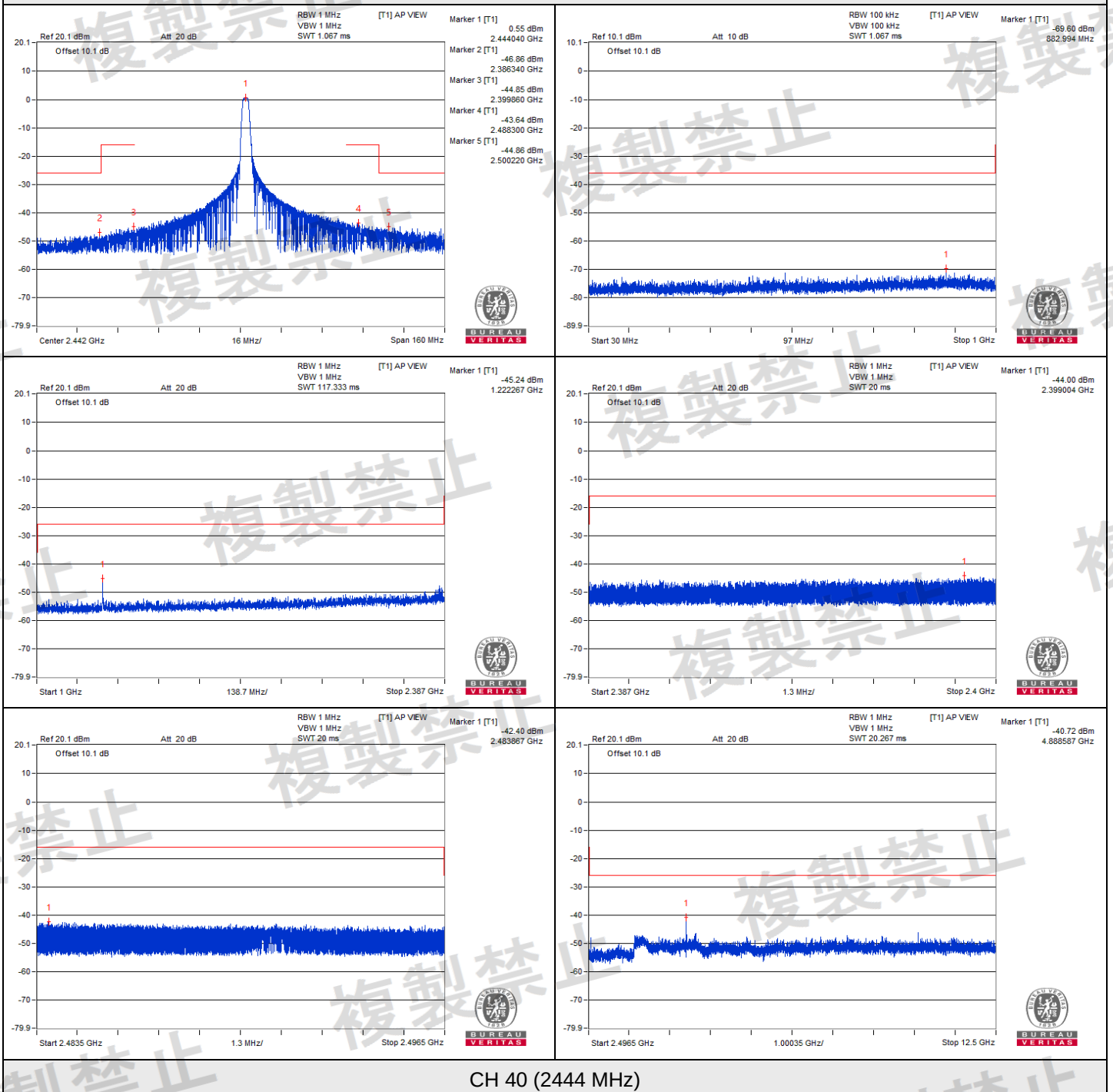
V_{min}.



CH 1 (2405 MHz)

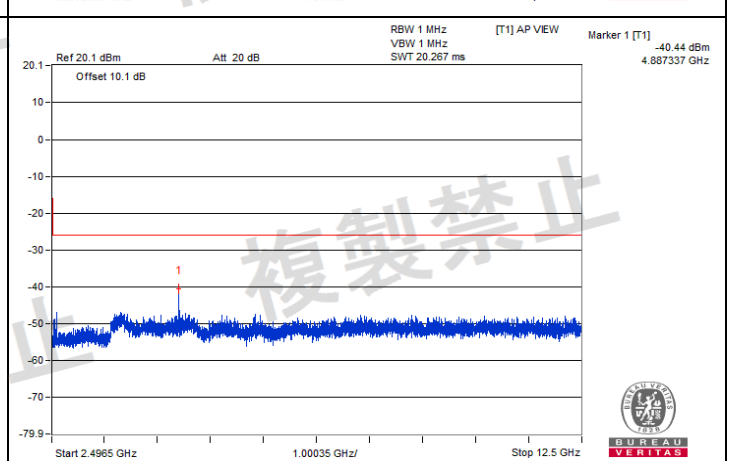
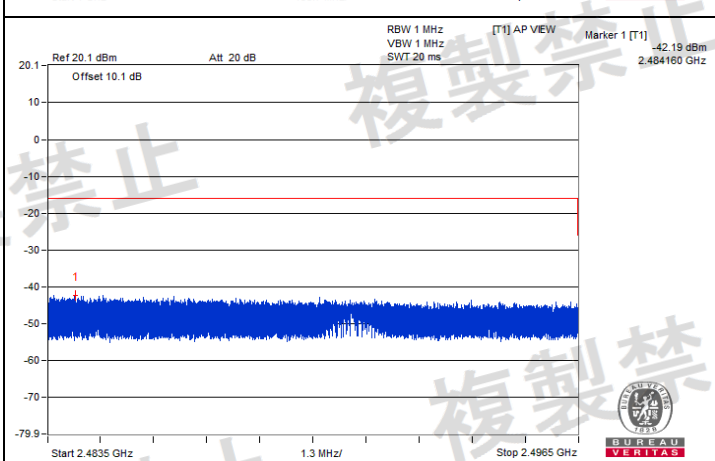
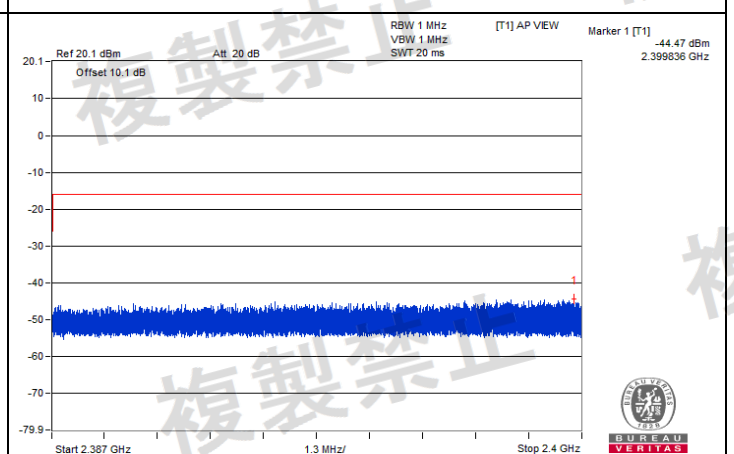
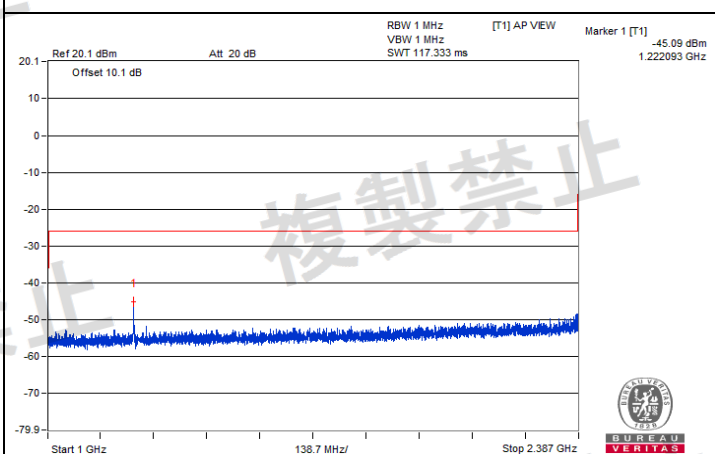
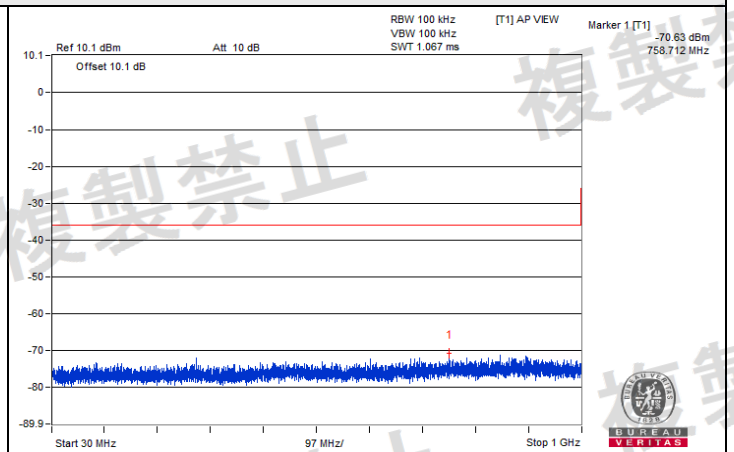
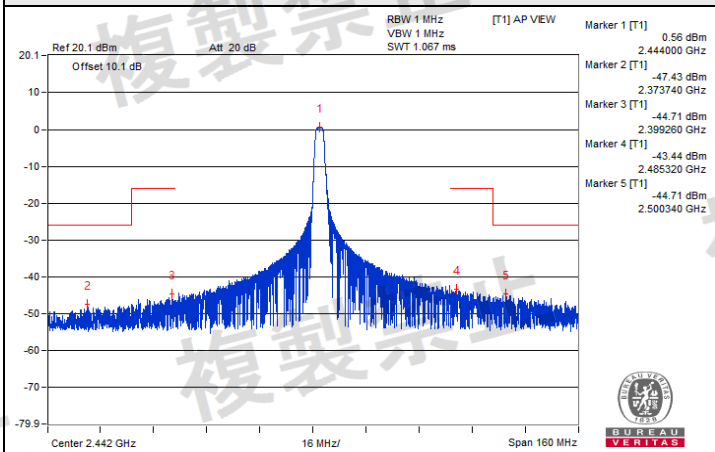


Vmax.



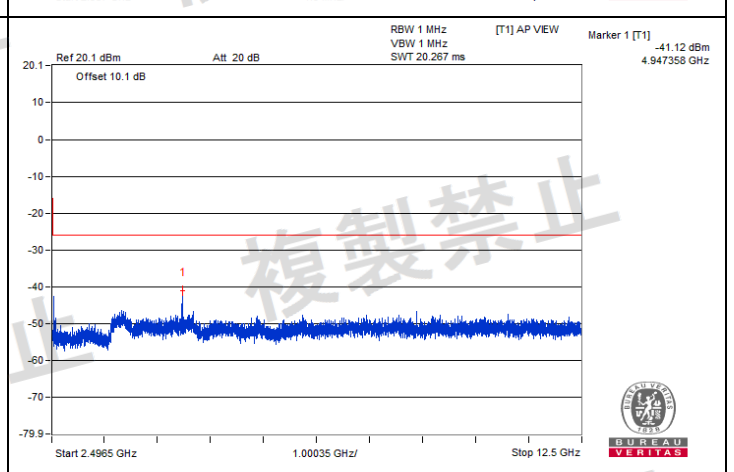
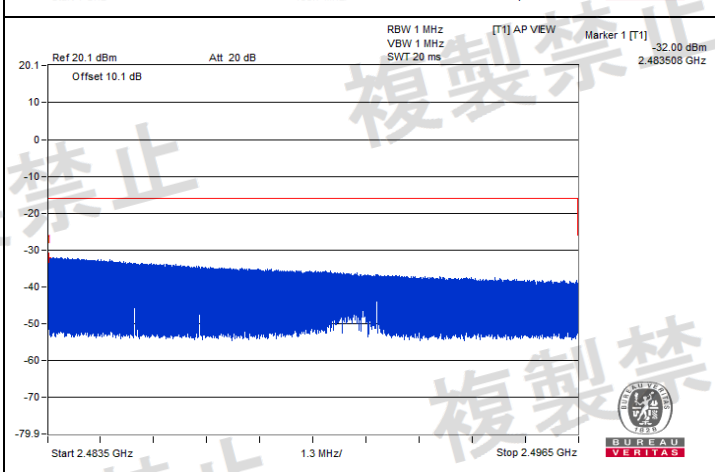
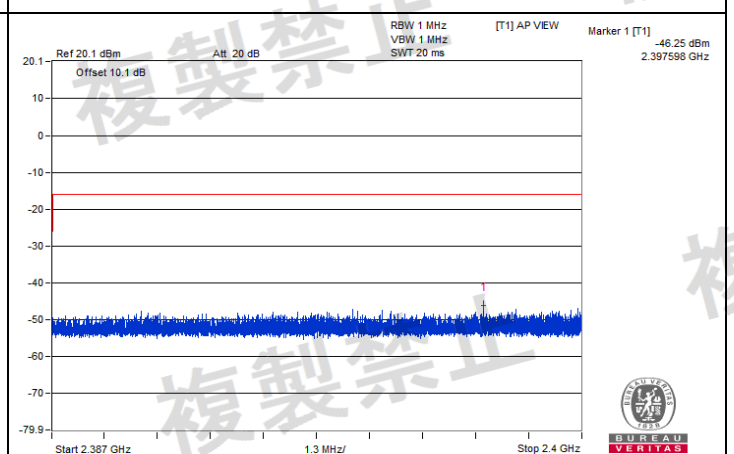
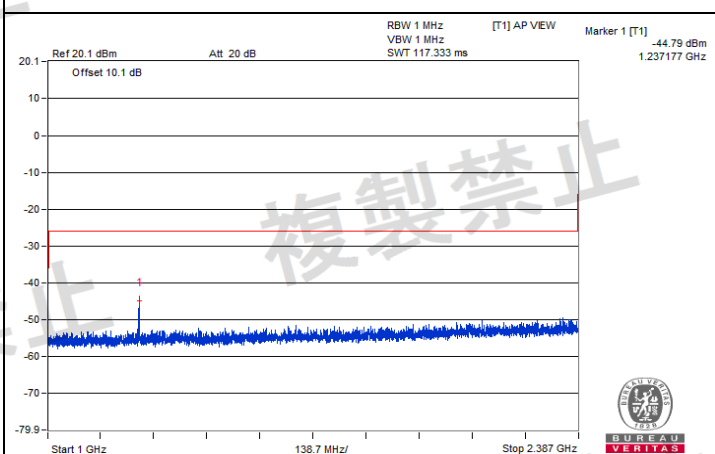
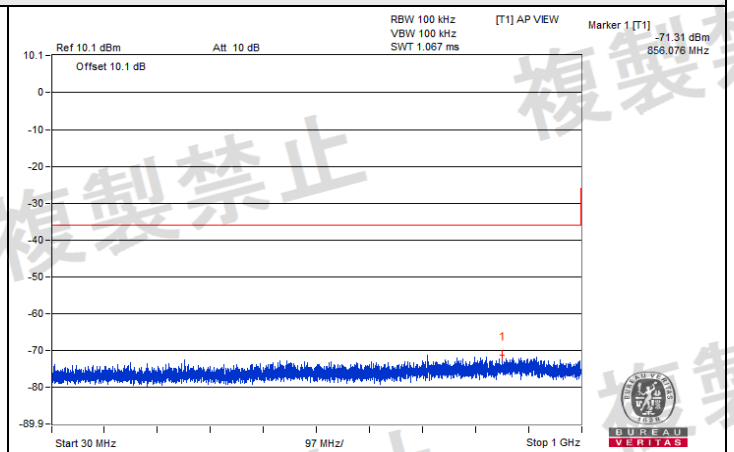
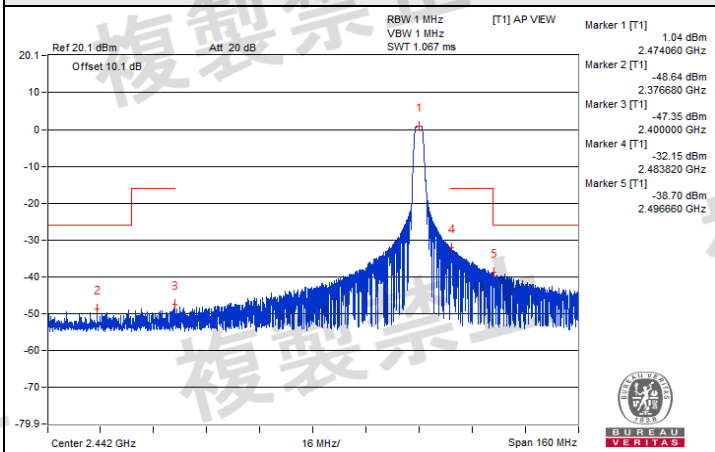
CH 40 (2444 MHz)

V_{min}.



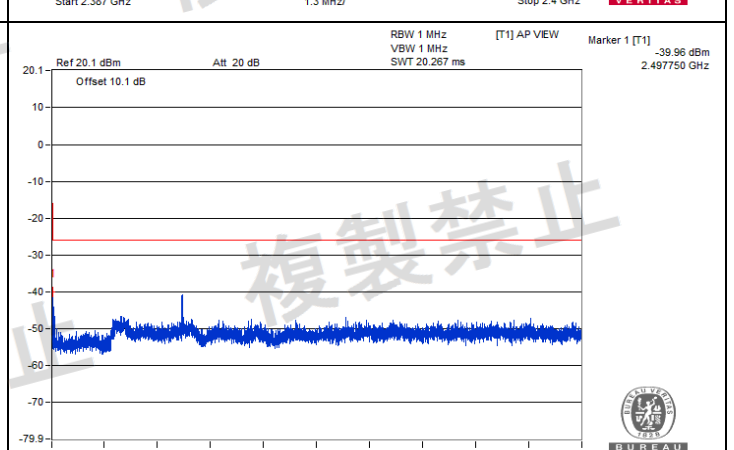
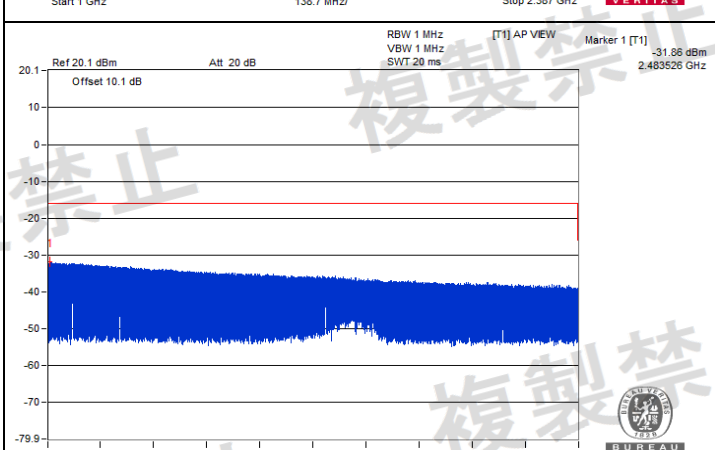
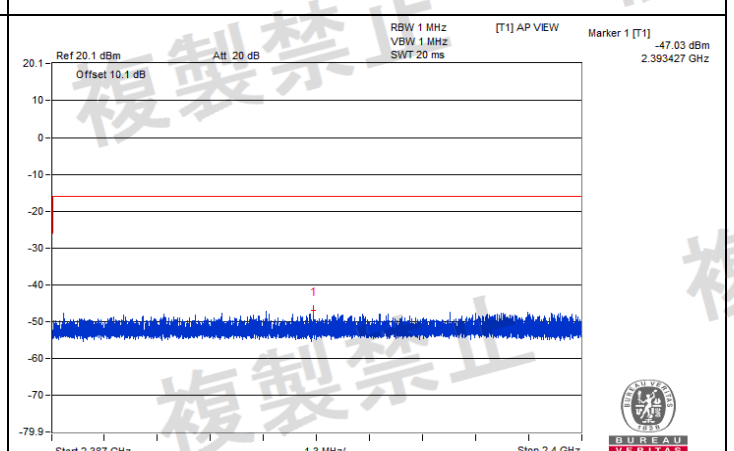
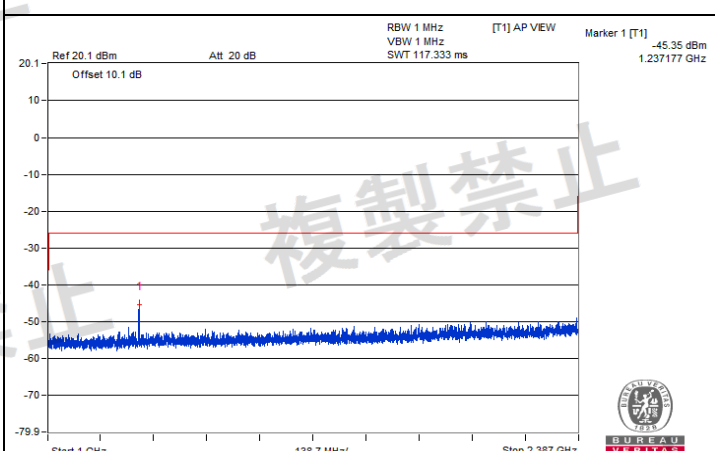
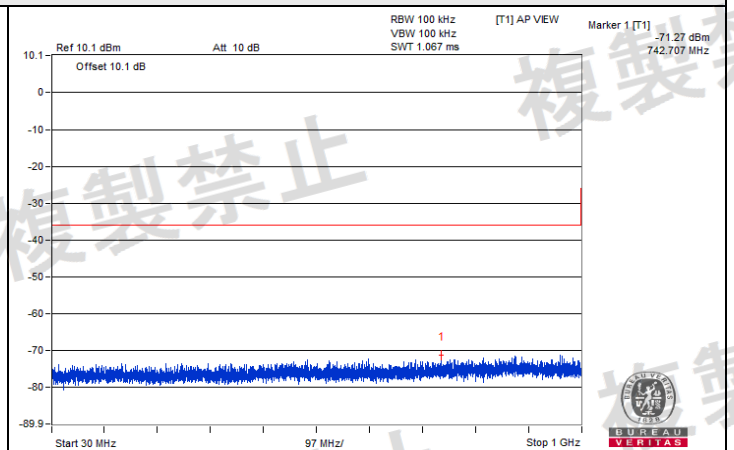
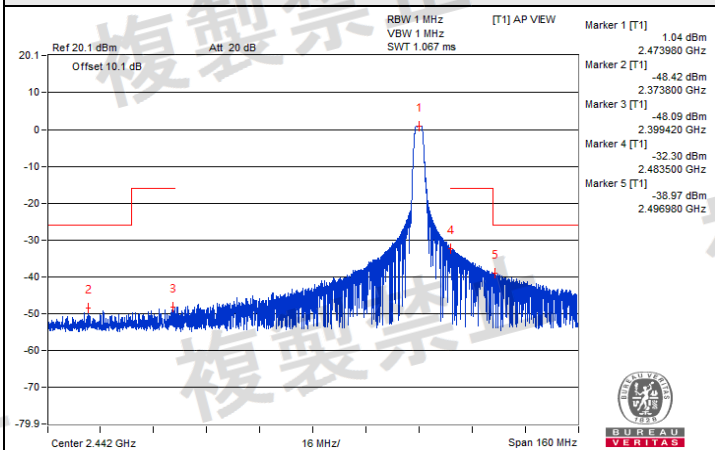
CH 40 (2444 MHz)

Vnormal



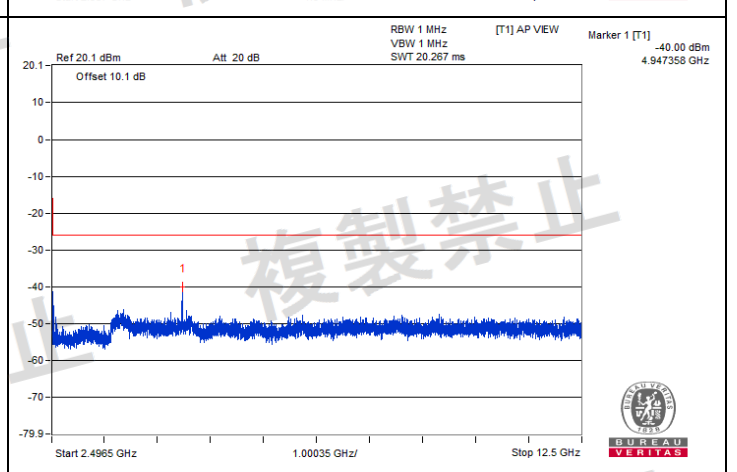
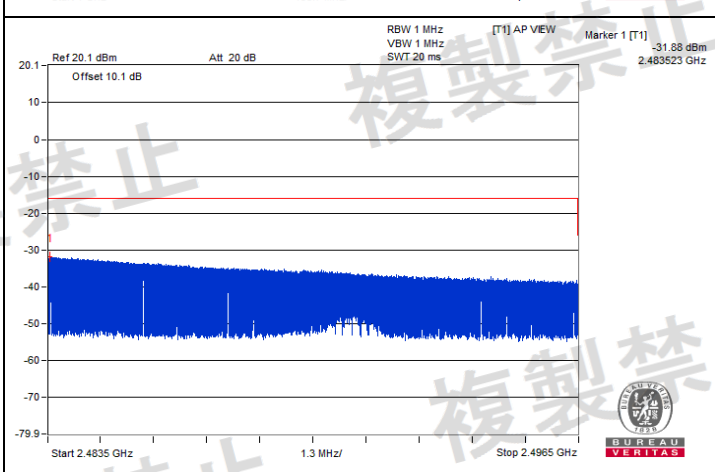
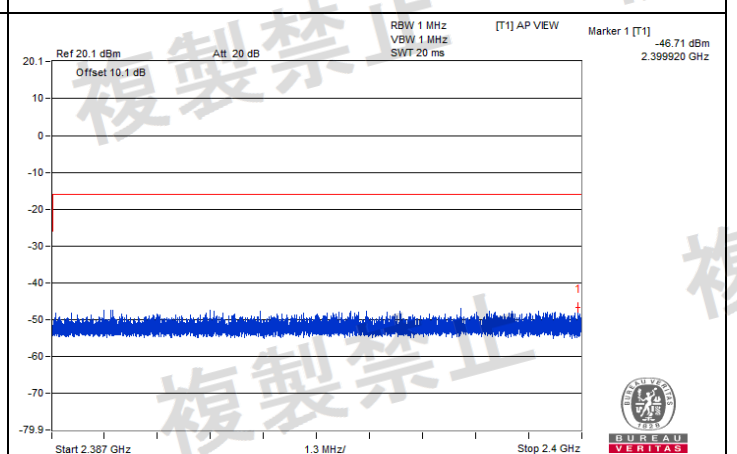
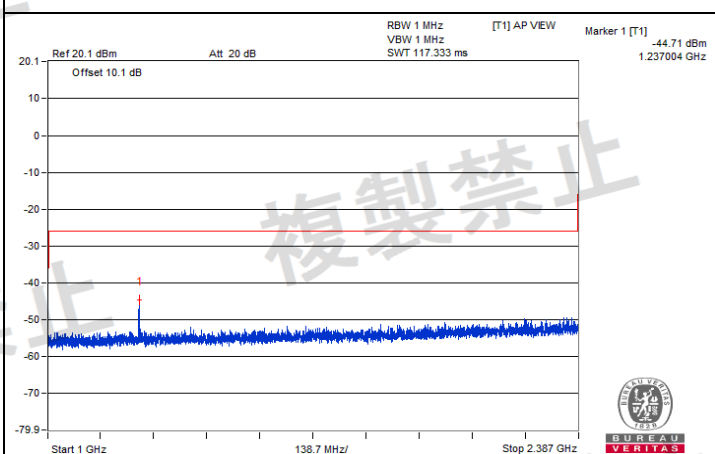
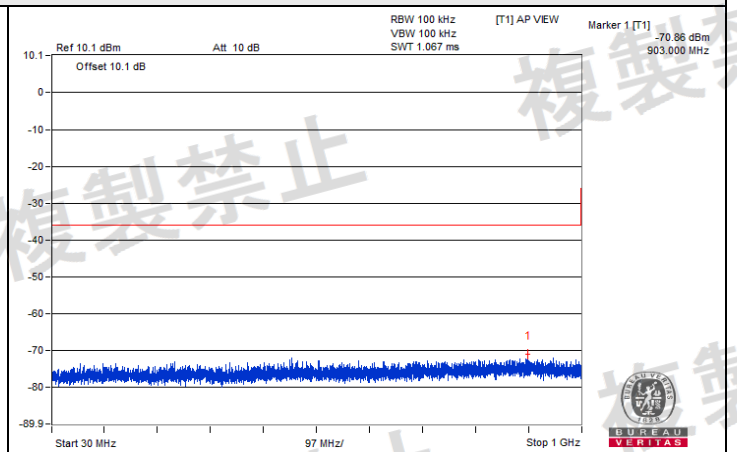
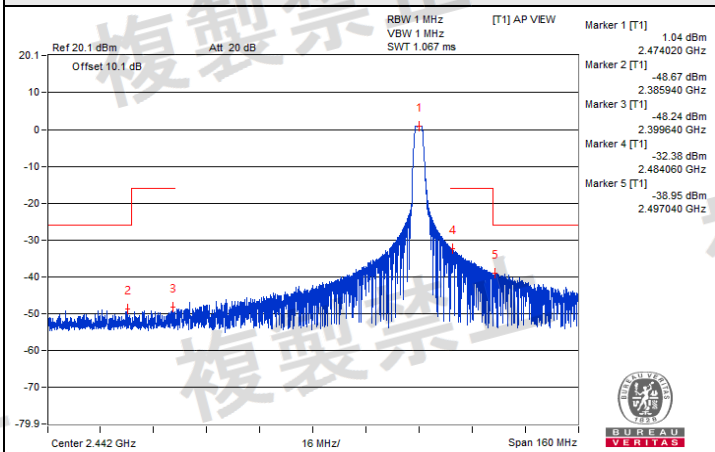
CH 70 (2474 MHz)

Vmax.



CH 70 (2474 MHz)

V_{min}.

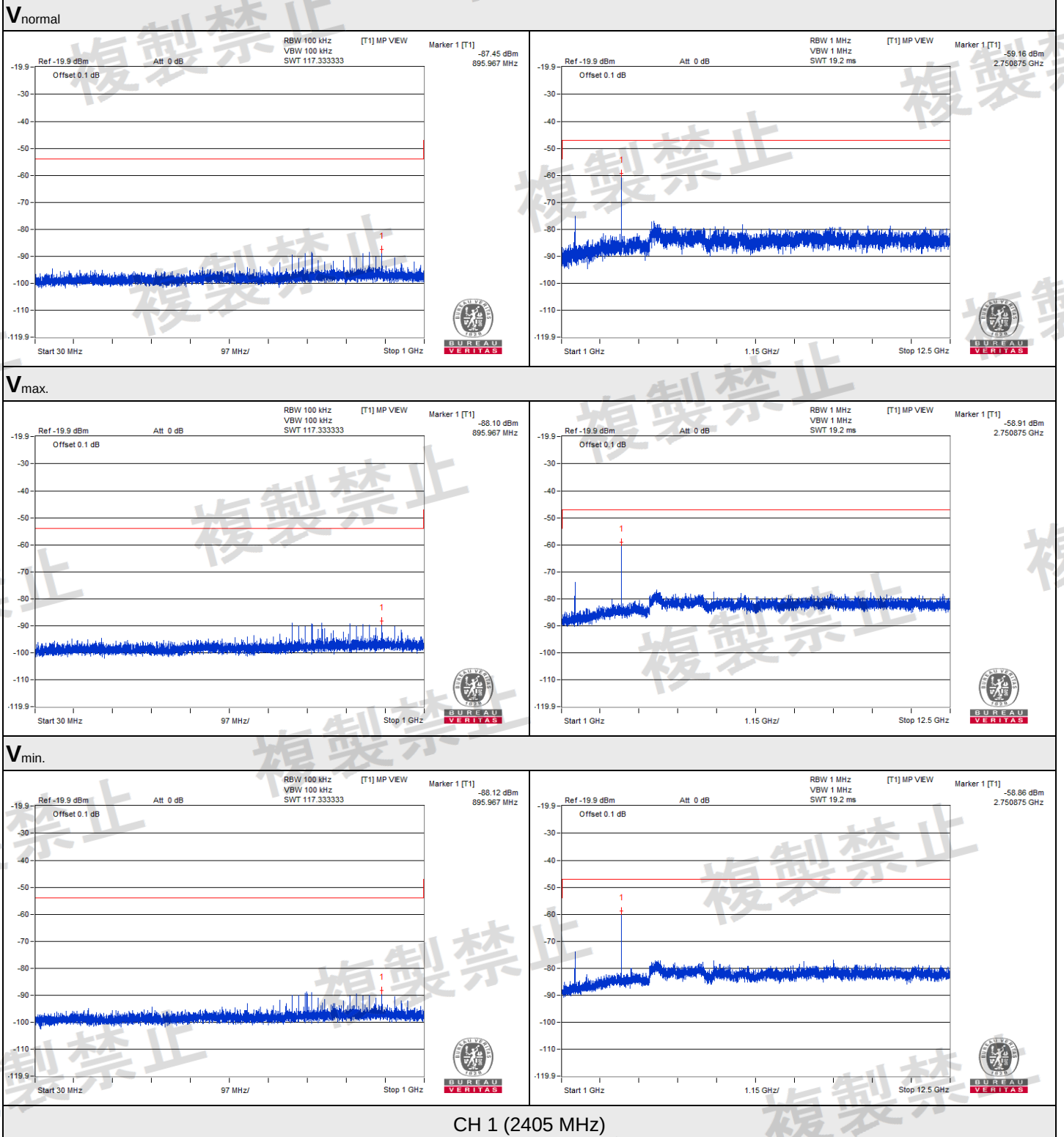


CH 70 (2474 MHz)

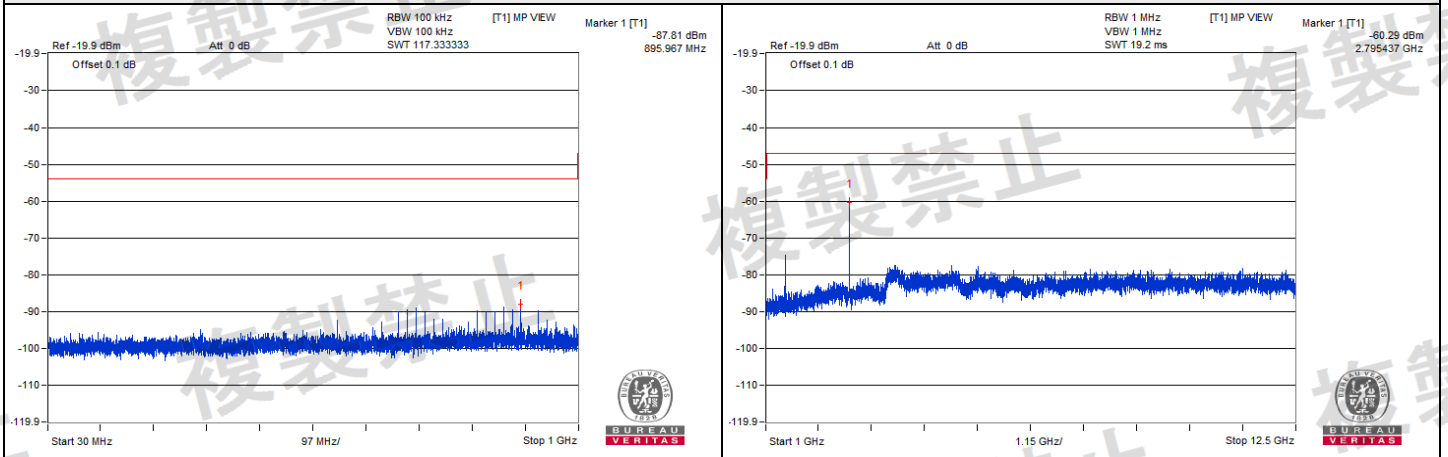
7.4 Spurious Emissions of Receiver

Environmental Conditions:	23°C, 63% RH	Tested By:	JyunChun.Lin
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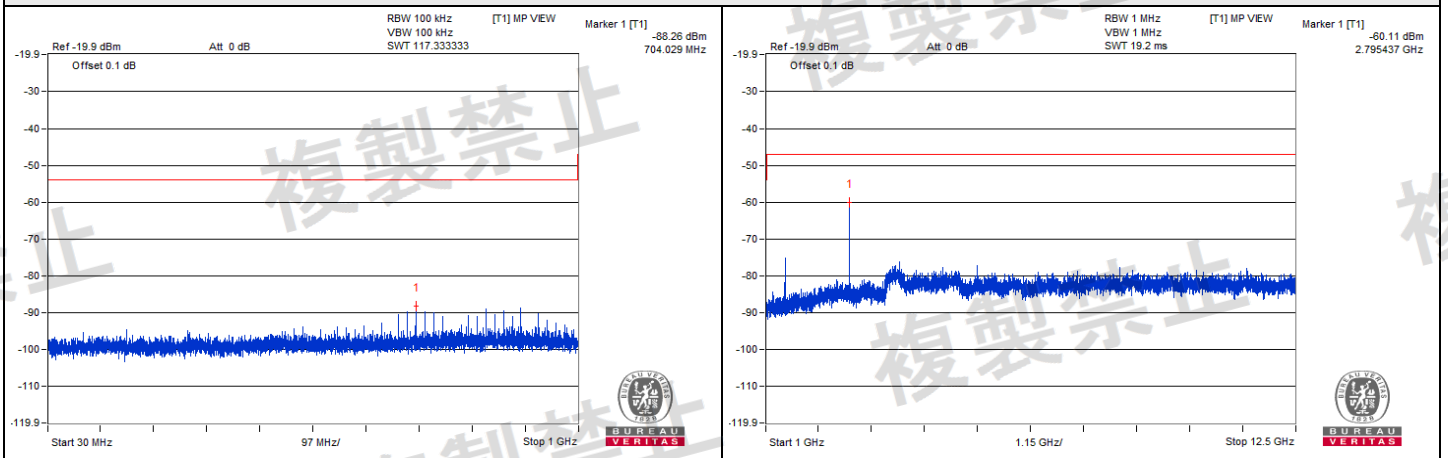
TEST CHANNEL		CH 1 (2405 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30MHz to 1000MHz	895.967	0.001799	4	PASS
	1000MHz to 12500MHz	2750.875	1.213389	20	PASS
V_{max.}	30MHz to 1000MHz	895.967	0.001549	4	PASS
	1000MHz to 12500MHz	2750.875	1.285287	20	PASS
V_{min.}	30MHz to 1000MHz	895.967	0.001542	4	PASS
	1000MHz to 12500MHz	2750.875	1.30017	20	PASS
TEST CHANNEL		CH 40 (2444 MHz)			
V_{normal}	30MHz to 1000MHz	895.967	0.001656	4	PASS
	1000MHz to 12500MHz	2795.437	0.935406	20	PASS
V_{max.}	30MHz to 1000MHz	704.029	0.001493	4	PASS
	1000MHz to 12500MHz	2795.437	0.97499	20	PASS
V_{min.}	30MHz to 1000MHz	895.967	0.001574	4	PASS
	1000MHz to 12500MHz	2795.437	0.931108	20	PASS
TEST CHANNEL		CH 70 (2474 MHz)			
V_{normal}	30MHz to 1000MHz	895.967	0.001337	4	PASS
	1000MHz to 12500MHz	2829.937	1.101539	20	PASS
V_{max.}	30MHz to 1000MHz	895.967	0.001439	4	PASS
	1000MHz to 12500MHz	2829.937	1.061696	20	PASS
V_{min.}	30MHz to 1000MHz	895.967	0.001406	4	PASS
	1000MHz to 12500MHz	2829.937	1.073989	20	PASS
NOTE: 1. The spectrum plots are attached on the following pages.					



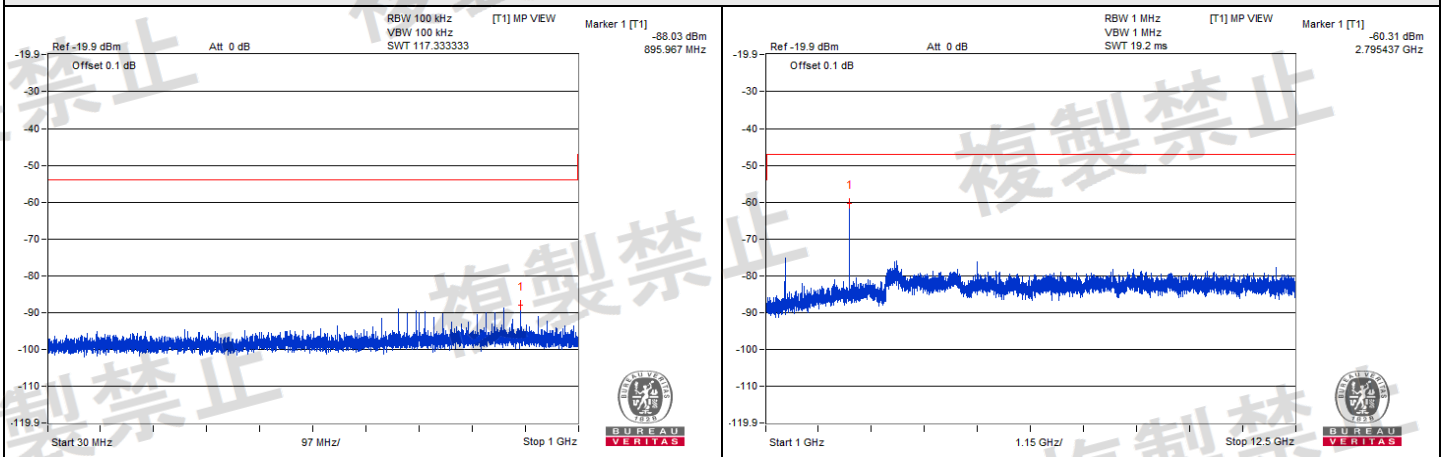
Vnormal



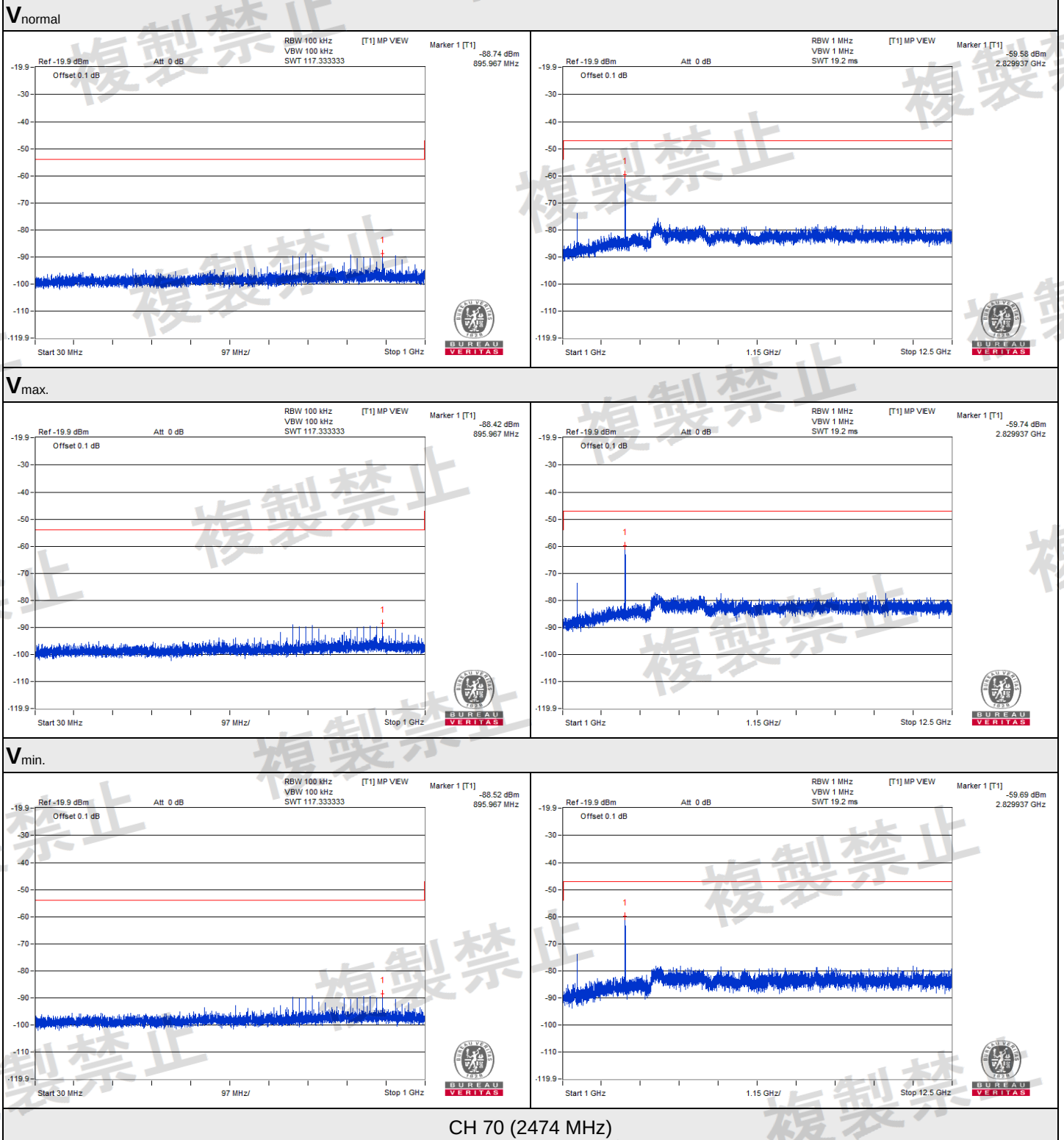
Vmax.



Vmin.



CH 40 (2444 MHz)



7.5 Antenna Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Jyunchun Lin
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Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
1.5	1	2405	0.908	2.099
	40	2444	1.104	2.553
	70	2474	1.253	2.897
1.65	1	2405	0.92	2.127
	40	2444	1.099	2.541
	70	2474	1.236	2.858
1.35	1	2405	0.867	2.005
	40	2444	1.132	2.617
	70	2474	1.265	2.925
Maximum Limit (mW):			10	-
Rated Power (mW):			2	-
Maximum Tolerance of Antenna Power (mW):			2.4	-
Maximum EIRP Limit (mW):			-	16.368

Notes:

1. Antenna gain is 3.64 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

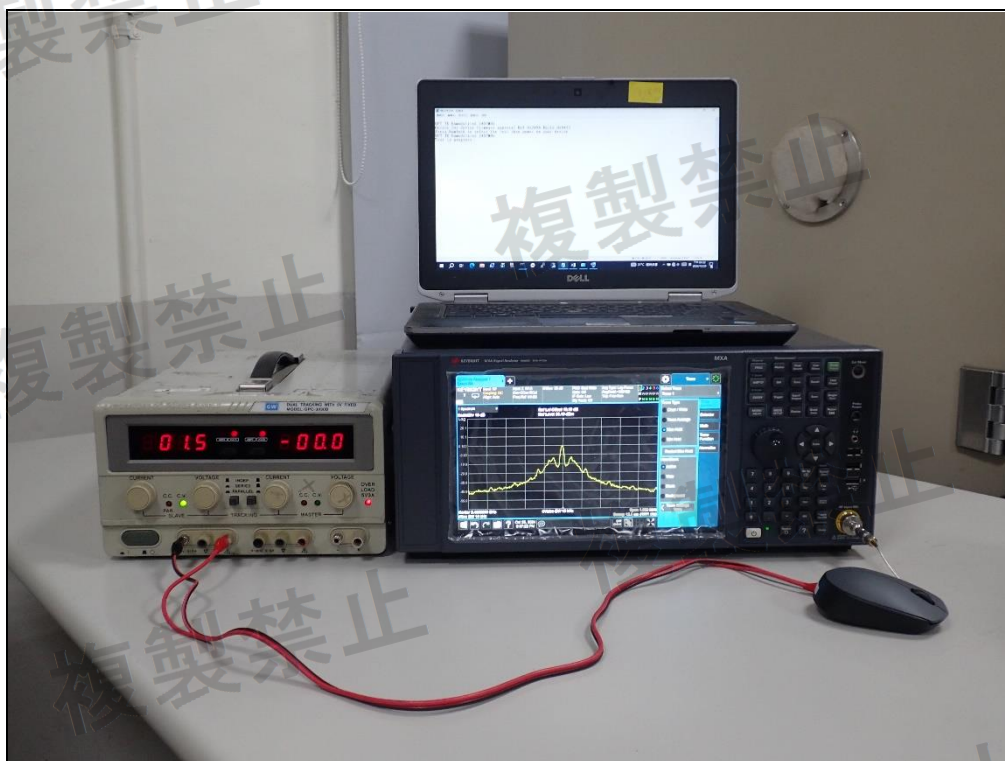
7.6 Interference Prevention Function

Environmental Conditions:	23°C, 63% RH	Tested By:	JyunChun.Lin
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Link Mode	Test Result
GFSK	Pass

Receiver Equipment		
Product	Brand	Model No.
2.4GHz Transceiver	Logicool, logi, logicool	C-U0008

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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