

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19

Report No.: RJBEMI-WTW-P23090647G

Product: Electronic Display Device

Brand: Rakuten kobo

Model No.: N367B

Received Date: 2025/2/28

Test Date: 2025/3/21 ~ 2025/4/3

Issued Date: 2025/6/3

Applicant: NETRONIX, INC.

Address: No. 945, Boai St., Jubei City, Hsin-Chu, 30265, Taiwan

Factory: (1) NETRONIX, INC.
(2) NTX Electronics YANGZHOU CO., LTD.

Address: (1) No. 945, Boai St., Jubei City, Hsin-Chu, 30265, Taiwan
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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: _____, Date: 2025/6/3
May Chen / Manager

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Prepared by : Claire Kuan / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RJBEMI-WTW-P23090647G	Original release.	2025/6/3

1 Certificate

Product: Electronic Display Device
Brand: Rakuten kobo
Test Model: N367B
Sample Status: Engineering sample
Applicant: NETRONIX, INC.
Test Date: 2025/3/21 ~ 2025/4/3
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	Pass
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	Electronic Display Device
Brand	Rakuten kobo
Test Model	N367B
Test Software Version	WiFi: HyperTerminal paste wifitesttool 20250310.txt command
Status of EUT	Engineering sample
Power Supply Rating	3.87 Vdc from battery 5 Vdc form USB interface
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 72.2 Mbps
Operating Frequency	2.412 ~ 2.472GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20): 13
Housing Requirements	The EUT was constructed as an Electronic Display Device. The housing consists of two parts, and the plastic enclosure was assembled with glue and covered by rubbers, separating the two parts was only possible by means of brute force.

Note:

1. Based on engineering judgment of the device design, all test data were copied from the test report (Report No.: RJBEMI-WTW-P23090647F). All data were verified to meet the requirements.
2. The differences between them are as below information:
 - ◆ Change Model name.
 - ◆ Add USB Cable x3 (White)
 - ◆ Change panel display from black & white to color.
 - ◆ Change CPU from Brand: MEDIATEK, Model: MT8113L to Brand: MEDIATEK, Model: MT8113T.
3. According to above conditions, there is no additional test has to be performed. All test data are copied from the original test report (Report No.: RJBEMI-WTW-P23090647F). And all data are verified to meet the requirements.
4. The EUT must be supplied with a battery as the following table:

Item	Brand	Model	Specification
Battery	EVE Energy Co., Ltd	K24051900-297777	Power Rating: 3.87 Vdc, 7.36Wh, 1900mAh

5. The EUT uses following accessories.

Original							
Item	Brand	Model	Color	Supplier Model	Specification	Material	TID number
1st source USB Cable	LUXSHARE-ICT	LB93US002-1R	Black	-	Shielded, 1.0M, without core	PVC	-
2nd source USB Cable	Yih Fone	SH-0846	Black	YF-USB2-A-C-1M(K)	Shielded, 1.0M, without core	TPE	12574
3rd source USB Cable	Yih Fone	SH-0879	Black	YF-USB2-A-C-1M-P(K)	Shielded, 1.0M, without core	PVC	13713
Newly							
1st source USB Cable	LUXSHARE-ICT	LB93US003-1R	White	-	Shielded, 1.0M, without core	PVC	-
2nd source USB Cable	Yih Fone	SH-0837	White	YF-USB2-A-C-1M-WH(K)	Shielded, 1.0M, without core	TPE	12575
3rd source USB Cable	Yih Fone	SH-0880	White	YF-USB2-A-C-1M-P-WH(K)	Shielded, 1.0M, without core	PVC	13711

6. The EUT will be supported with the following eMMC and DRAM LP-DDR4 source.

Item	Brand	Model
1st source eMMC	Phison	PTE7A0YJ-16GE
2nd source eMMC	Kingston	EMMC16G-PJ30-GA02
3rd source eMMC	FORESEE	FEMDNN016G-A3A55
1st source DRAM LP-DDR4	Nanya	NT6AN256M16AV-J2
2nd source DRAM LP-DDR4	Leahkinn	LTHS0005GS4-ZPI1
3rd source DRAM LP-DDR4	Micron	MT53E256M16D1DS-046

7. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.

8. Simultaneously transmission combination.

Combination	Technology	
1	WLAN (2.4 GHz)	Bluetooth
2	WLAN (5 GHz)	Bluetooth

9. 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 Density (mW/MHz)	Maximum Conducted RF Output Power Density (mW/MHz)	Maximum Radiated RF Output Power Density (mW/MHz)
802.11b	6.6	5.999	14.76
802.11g	6.1	5.822	14.324
802.11n (HT20)	6.1	6.027	14.829

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Brand	Model	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type
INPAQ	ACM3-3216-P1-CC-S	3.91	2.4~2.5GHz	Chip	none
		3.41	5.15~5.85GHz		

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

2. The EUT incorporates a SISO function:

2.4 GHz Band			
Modulation Mode	TX & RX Configuration		
802.11b	1TX		1RX
802.11g	1TX		1RX
802.11n (HT20)	1TX		1RX

3. Antenna Pattern:

Please refer to the attached file (Antenna pattern).

3.4 Channel List

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20):

Channel	Frequency	Channel	Frequency
1	2412 MHz	8	2447 MHz
2	2417 MHz	9	2452 MHz
3	2422 MHz	10	2457 MHz
4	2427 MHz	11	2462 MHz
5	2432 MHz	12	2467 MHz
6	2437 MHz	13	2472 MHz
7	2442 MHz		

3.5 Power Setting

Power Setting			
Channel	802.11b	802.11g	802.11n (HT20)
1	17	19.5	20
7	17	19.5	20
13	17	19.5	20

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 input voltage of EUT: 3.7 Vdc / 5 Vdc. Pre-scan these modes and find the worst case as a representative test condition. 2. The USB Cable has the following models: LB93US002-1R / SH-0846 / SH-0879. Pre-scan these models of USB Cables and find the worst case as a representative test condition. 3. The DRAM LP-DDR4 has the following models: NT6AN256M16AV-J2 / LTHS0005GS4-ZPI1 / MT53E256M16D1DS-046. Pre-scan these models of DRAM LP-DDR4 and find the worst case as a representative test condition. 4. The eMMC has the following models: PTE7A0YJ-16GE / EMMC16G-PJ30-GA02 / FEMDNN016G-A3A55. Pre-scan these models of eMMC and find the worst case as a representative test condition. 5. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. For input voltage of EUT, Worst condition: DC 5V 2. USB Cable Worst Condition: LB93US002-1R 3. DRAM LP-DDR4 Worst Condition: MT53E256M16D1DS-046 4. eMMC Worst Condition: FEMDNN016G-A3A55

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

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Tolerance	20MHz System	1, 7, 13	unmodulated	-
Occupied Bandwidth	802.11b	1, 7, 13	DBPSK	1Mb/s
	802.11g	1, 7, 13	BPSK	6Mb/s
	802.11n (HT20)	1, 7, 13	BPSK	MCS0
Spurious Emissions	802.11b	1, 7, 13	DBPSK	1Mb/s
	802.11g	1, 7, 13	BPSK	6Mb/s
	802.11n (HT20)	1, 7, 13	BPSK	MCS0
Spurious Emissions of Receiver	20MHz System	1, 7, 13	-	-
Antenna Power	802.11b	1, 7, 13	DBPSK	1Mb/s
	802.11g	1, 7, 13	BPSK	6Mb/s
	802.11n (HT20)	1, 7, 13	BPSK	MCS0
Number of Carriers within 1 MHz Bandwidth in OFDM	802.11g	1, 7, 13	BPSK	6Mb/s
Interference Prevention Function	Normal Operation			
Note: The EUT be equipped with the following condition:				

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)
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11	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 FLUKE meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2025/3/25

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)
MXG Vector Signal Generator Keysight	N5182B	MY53052700	2024/7/13	2025/7/12	ETC	(c)
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6	ETC	(c)
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11	ETC	(c)
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6	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 FLUKE meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2025/3/21

4.6 Number of Carriers within 1 MHz Bandwidth in OFDM

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)
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11	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 FLUKE meter to verify before each testing.
- The test was performed in Oven room 2.
- Tested Date: 2025/4/3

4.7 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)
WLAN Test Set Anritsu	MT8860C	1705001	2025/3/3	2026/3/2	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 Oven room 2.
- Tested Date: 2025/3/21 ~ 2025/4/3

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 Number of Carriers within 1 MHz Bandwidth in OFDM

For each 1 MHz bandwidth in OFDM, there should be at least 1 carrier.

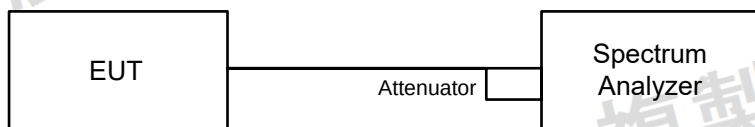
5.7 Interference Prevention Function

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

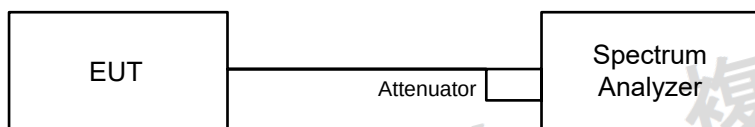
When performing radiolocation work: A function that allows you to distinguish between reflected waves of radio waves transmitted by your own station and radio waves transmitted by other radio stations by identifying the modulation method and other characteristics of received radio waves. (However, if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

6 Test Arrangements

6.1 Frequency Tolerance



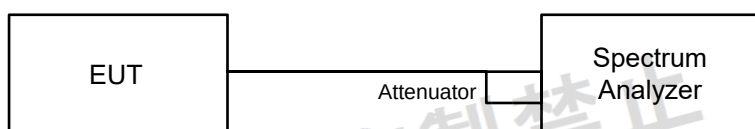
6.2 Occupied Bandwidth



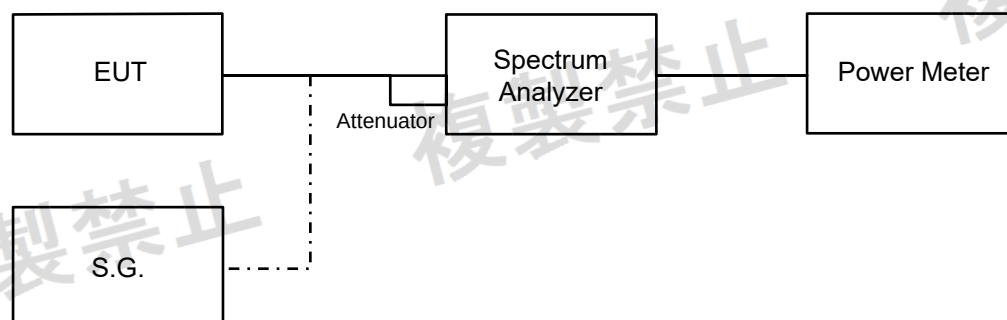
6.3 Spurious Emissions



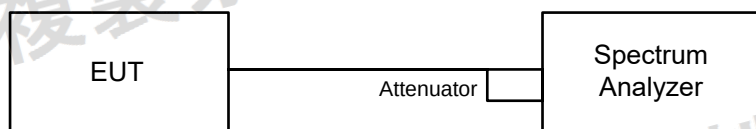
6.4 Spurious Emissions of Receiver



6.5 Antenna Power



6.6 Number of Carriers within 1 MHz Bandwidth in OFDM



6.7 Interference Prevention Function



7 Test Results of Test Item

7.1 Frequency Tolerance

Environmental Conditions:	25°C, 60% RH	Tested By:	Bella
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20 MHz System:

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	2412	2411.999960	-0.017	2411.999940	-0.025	2412.000340	0.141
7	2442	2442.000760	0.311	2442.001220	0.500	2442.000740	0.303
13	2472	2472.000280	0.113	2472.000520	0.210	2471.999920	-0.032

7.2 Occupied Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Bella
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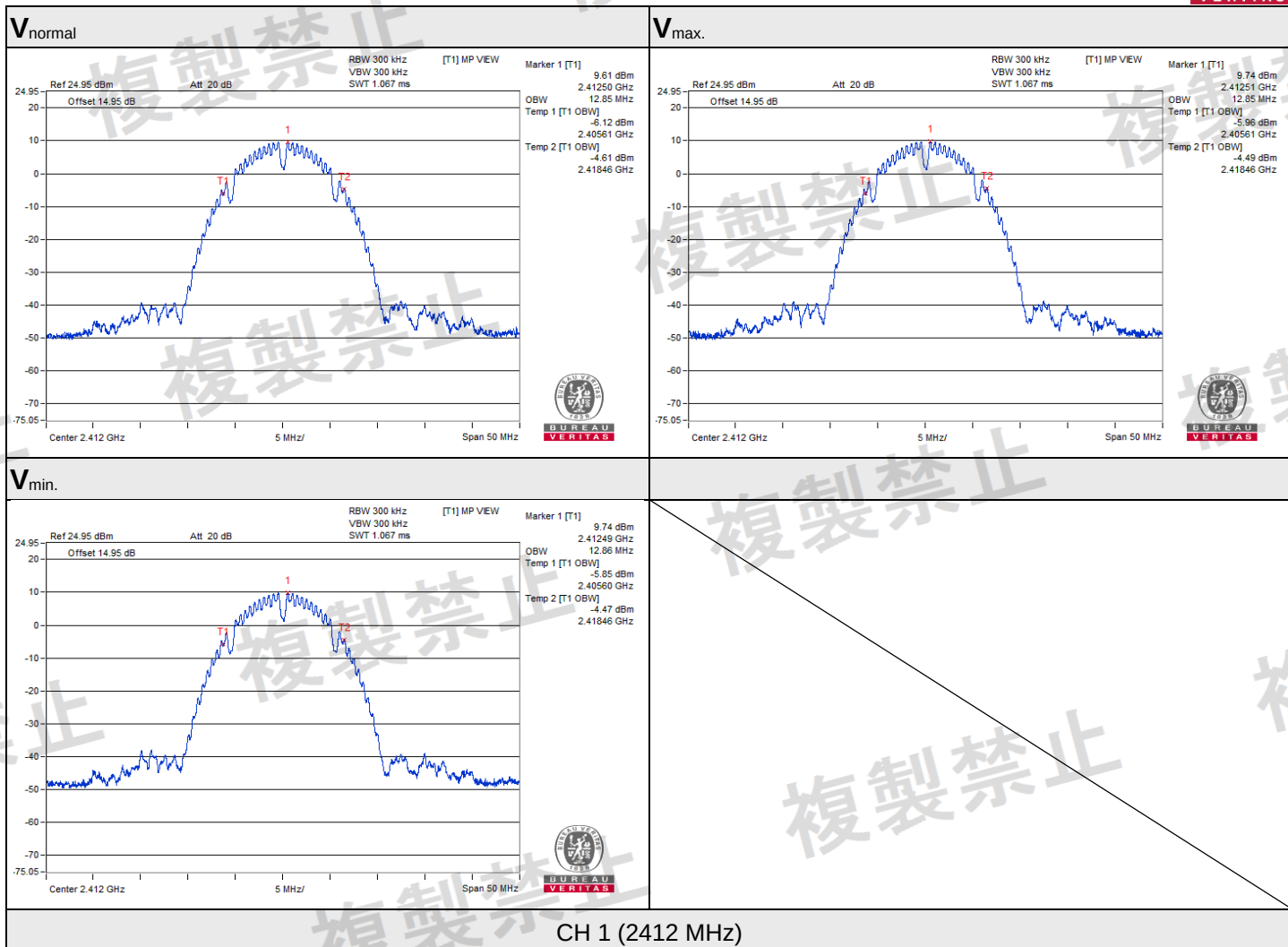
802.11b

Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
1	2412	12.85	12.85	12.86
7	2442	12.90	12.92	12.92
13	2472	12.97	12.97	12.97

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

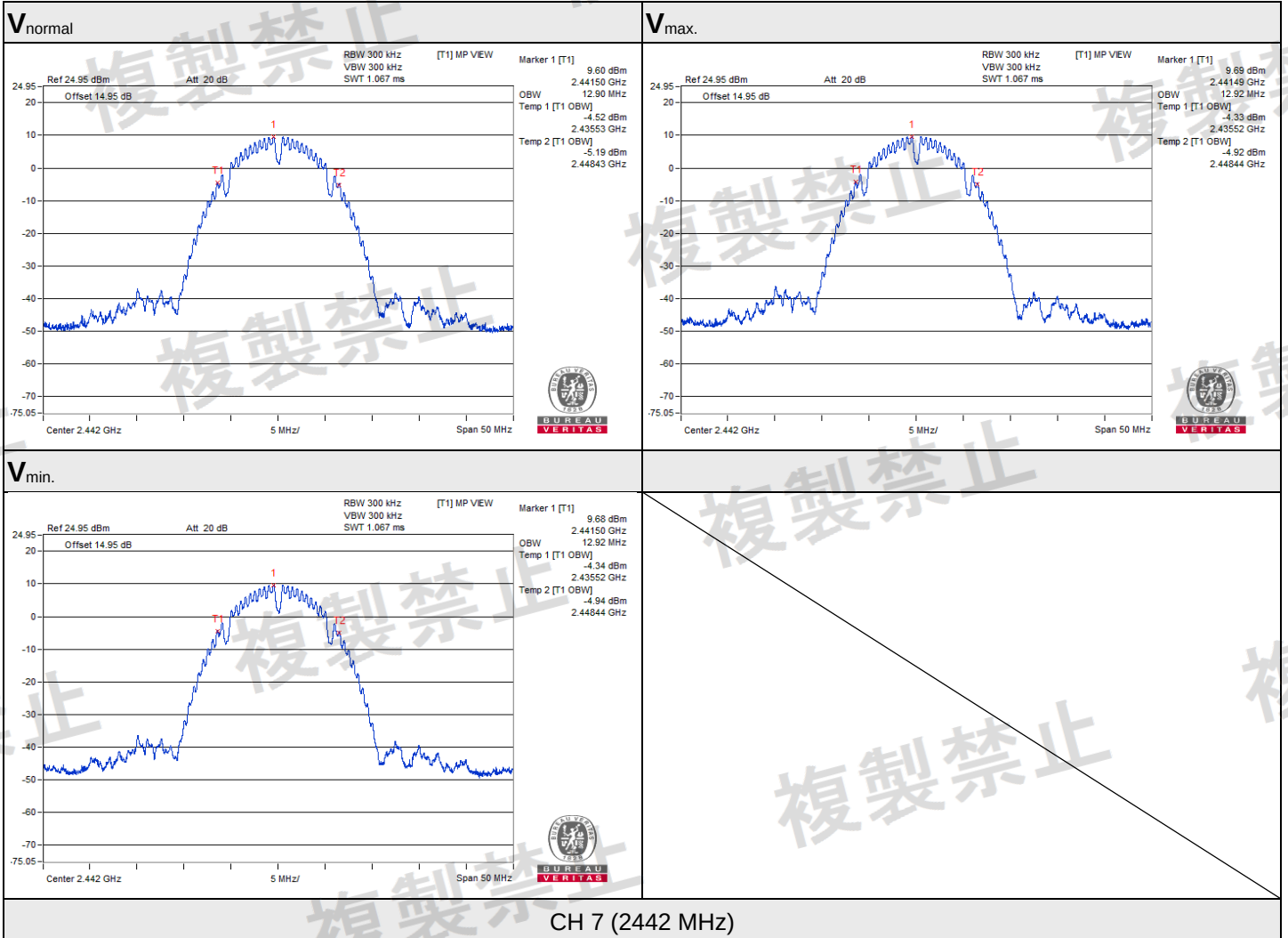


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VERITAS



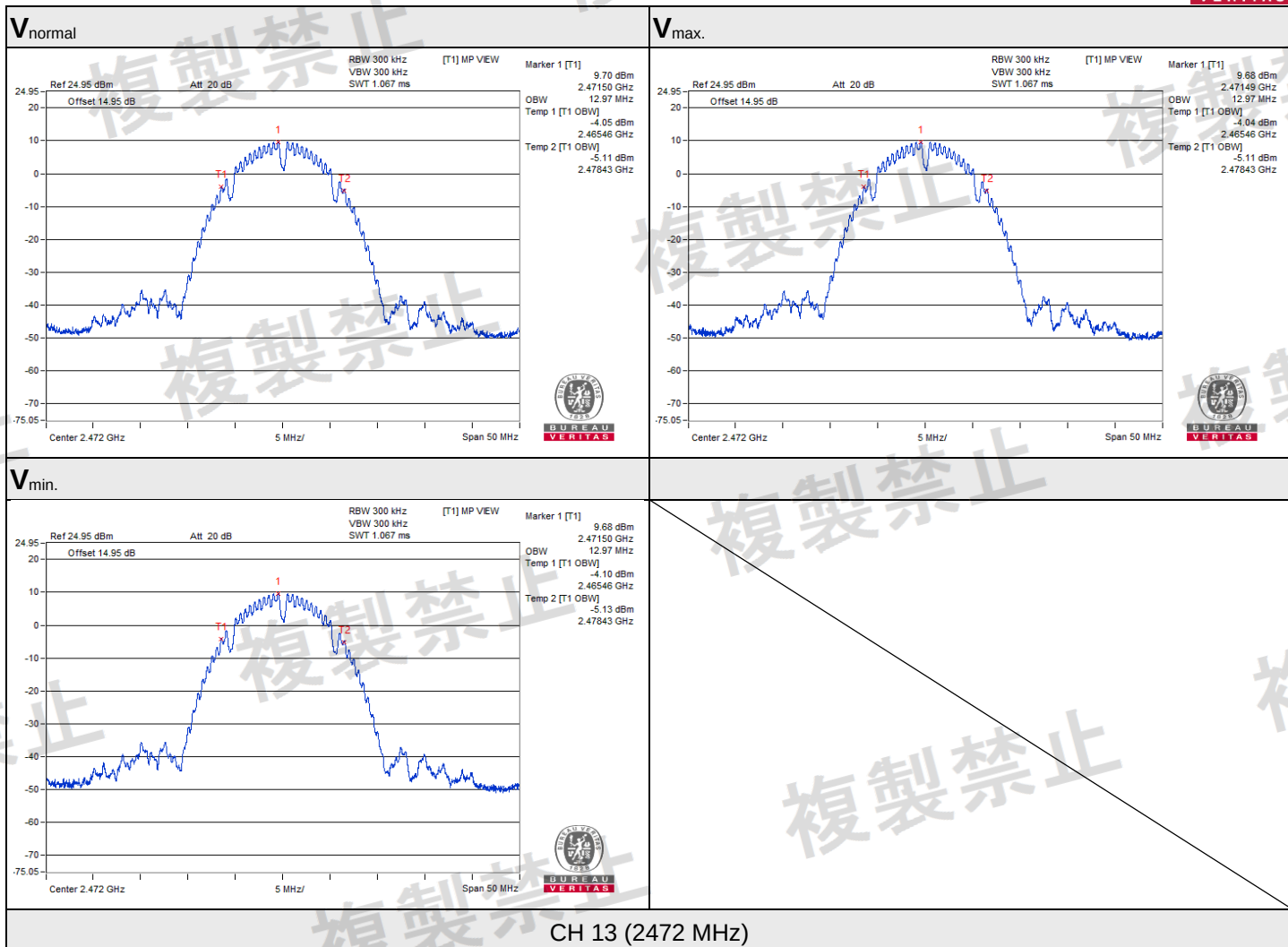


BUREAU
VERITAS





BUREAU
VERITAS



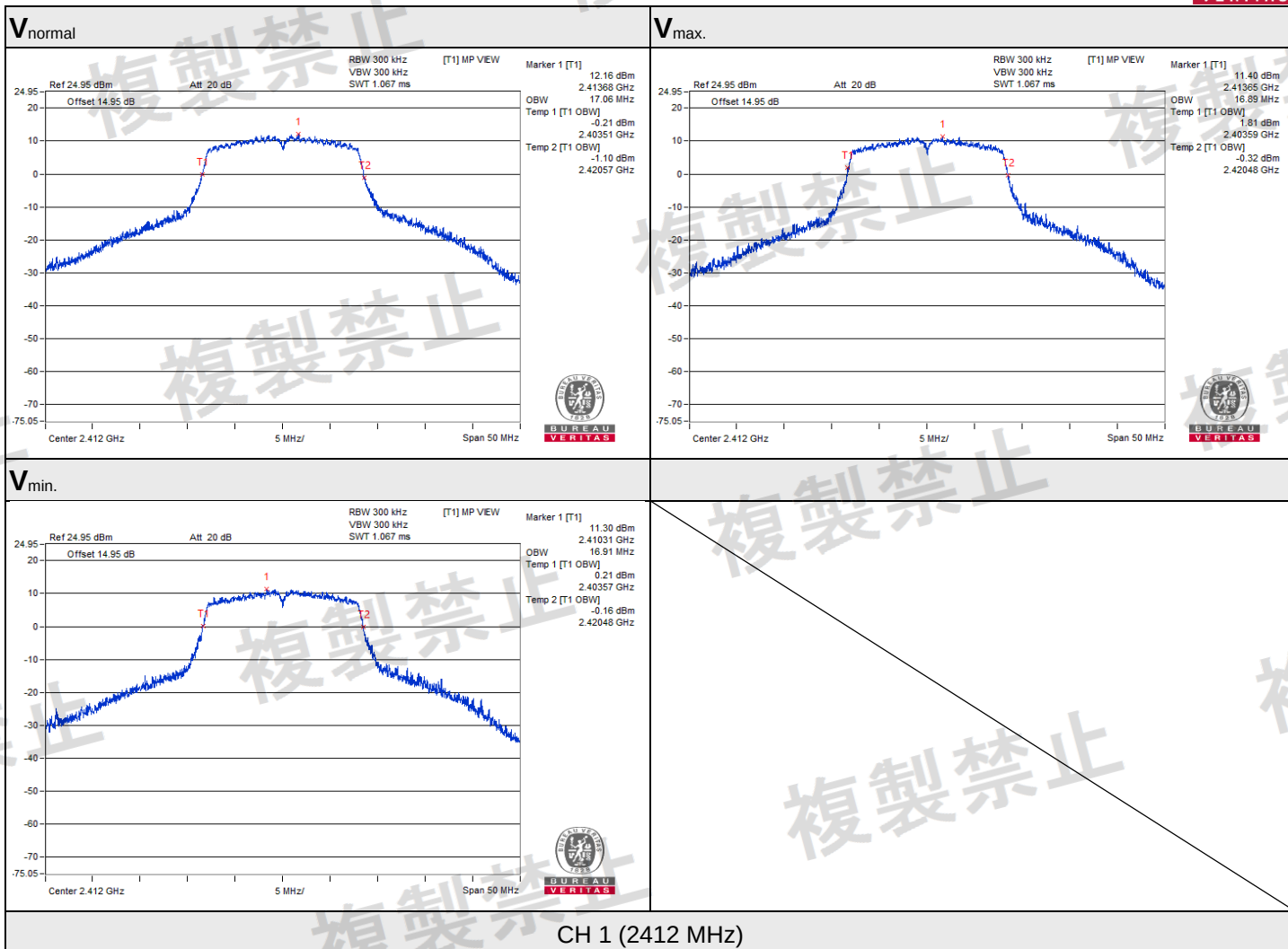
802.11g

Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
1	2412	17.06	16.89	16.91
7	2442	16.91	16.80	16.79
13	2472	16.80	16.81	16.71

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

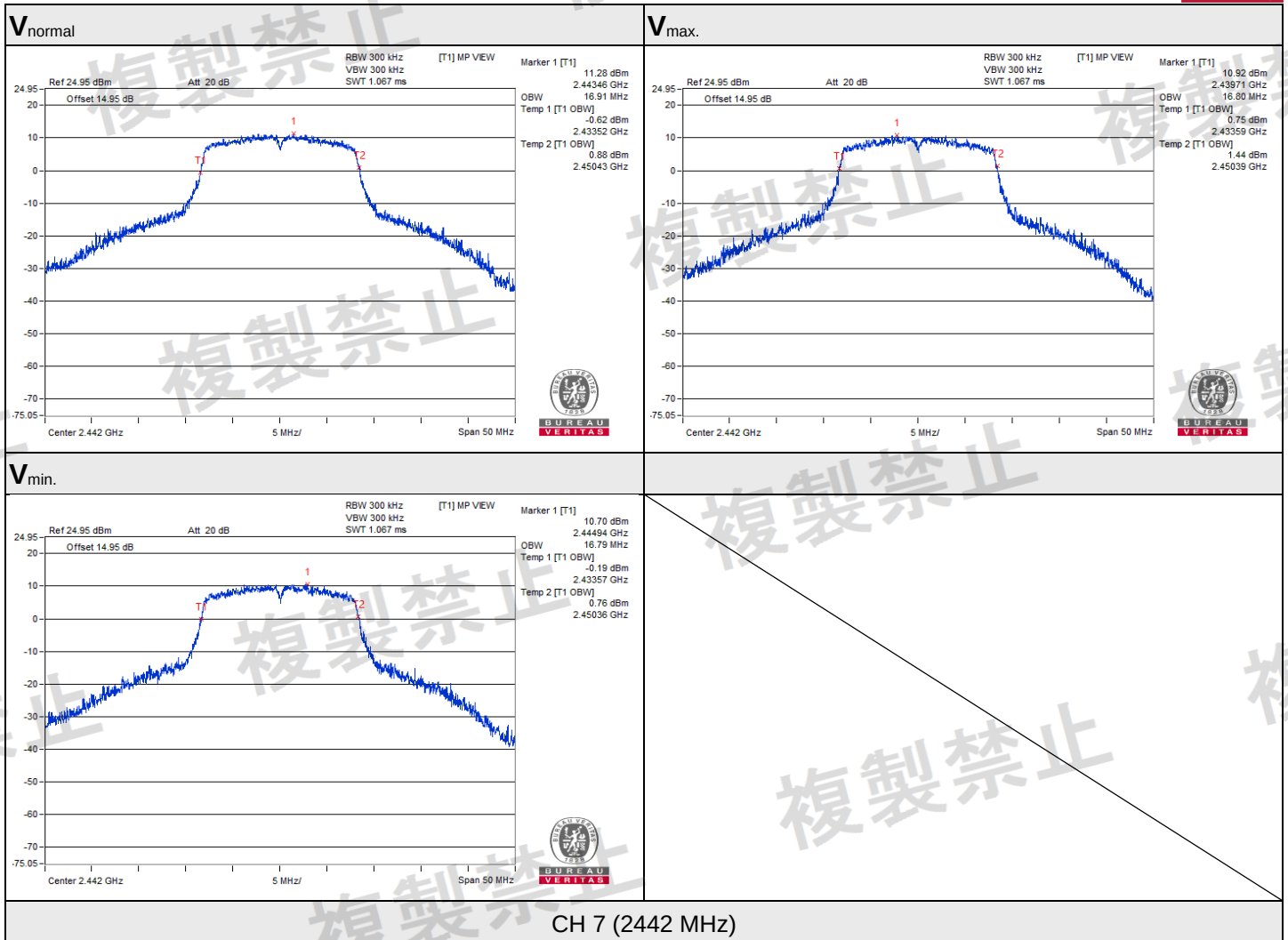


BUREAU
VERITAS



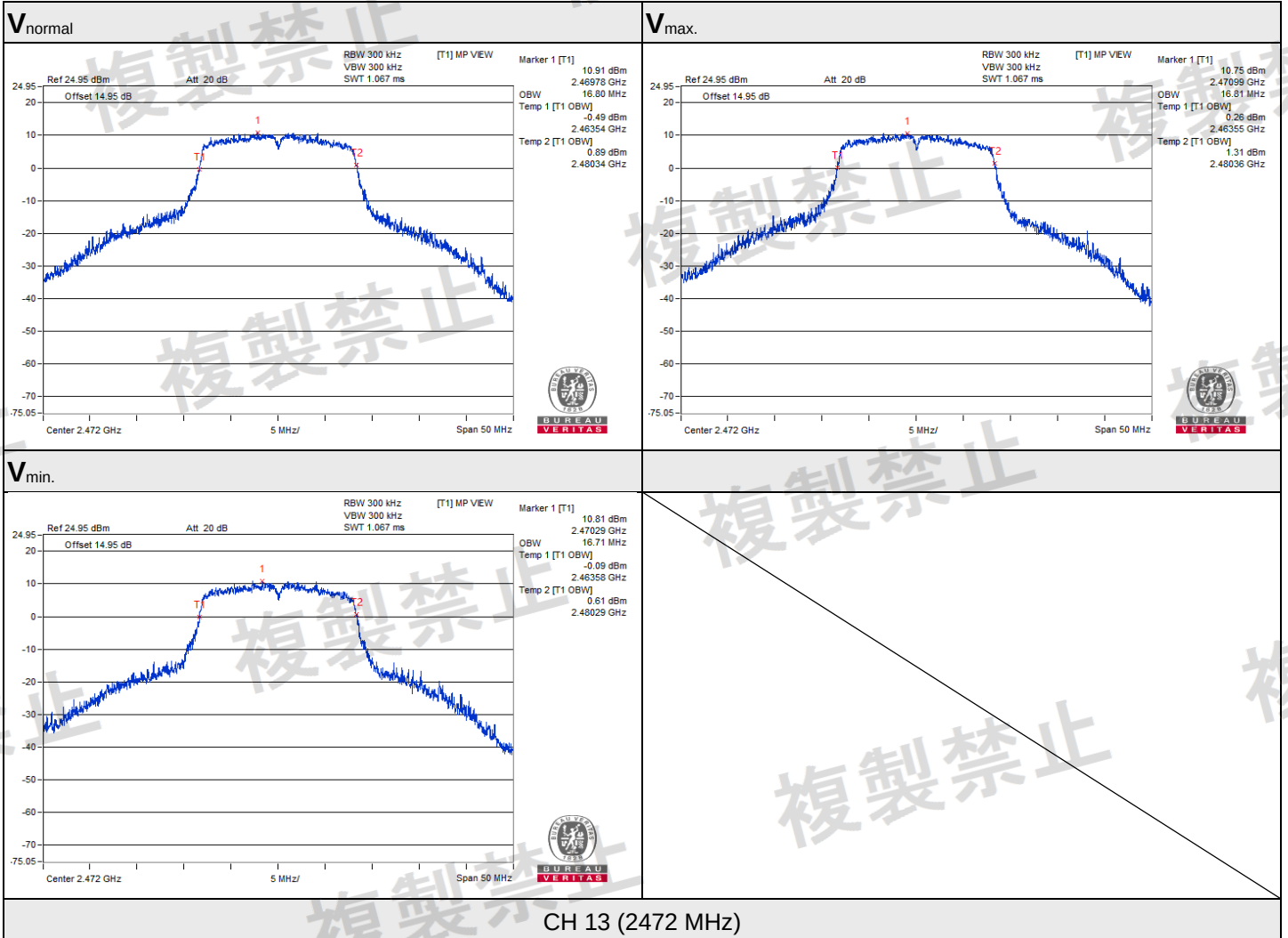


BUREAU
VERITAS





BUREAU
VERITAS



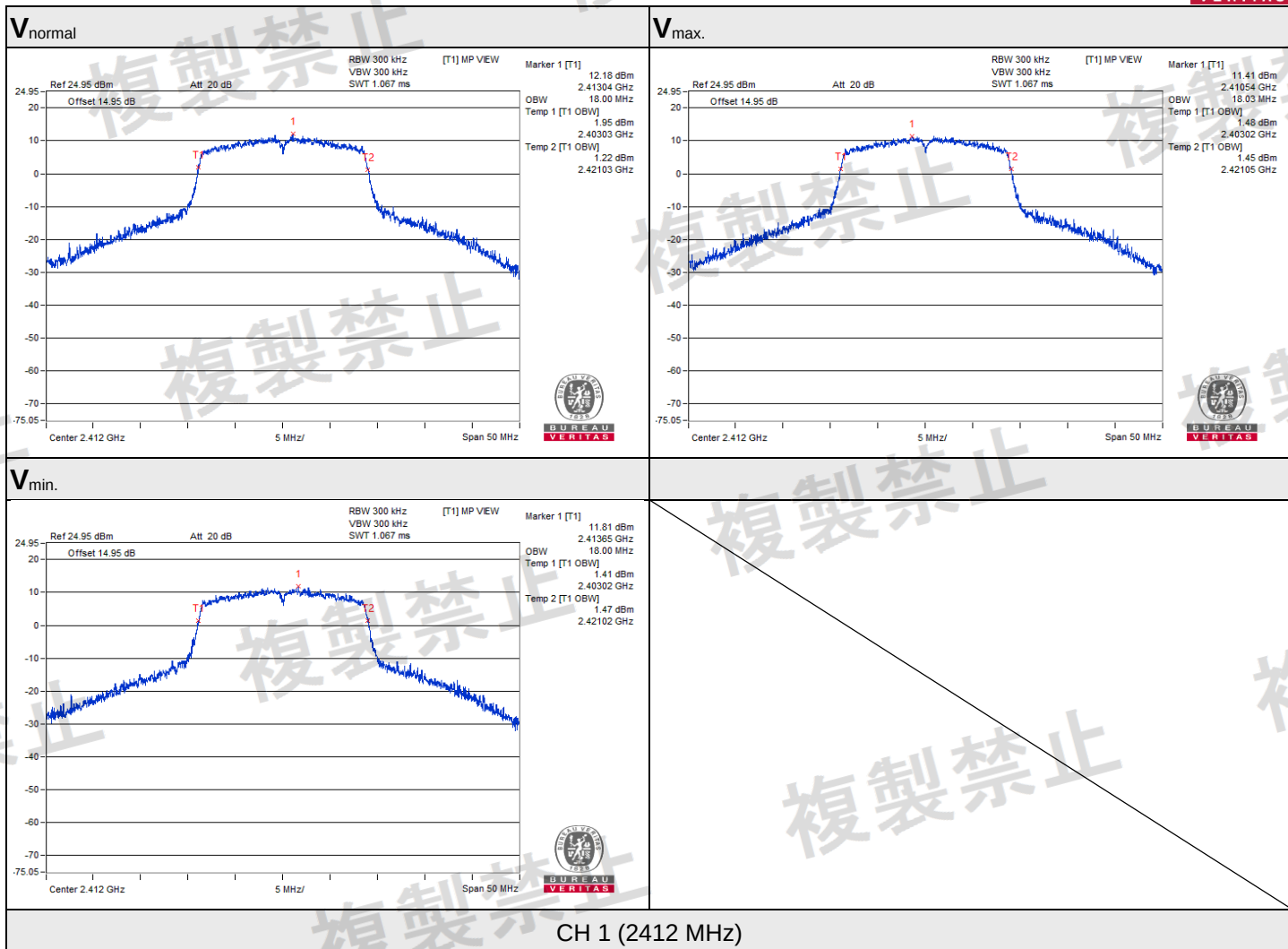
802.11n (HT20)

Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)	Occupied Bandwidth (MHz)
1	2412	18.00	18.03	18.00
7	2442	17.95	17.98	17.92
13	2472	17.97	18.15	17.98

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

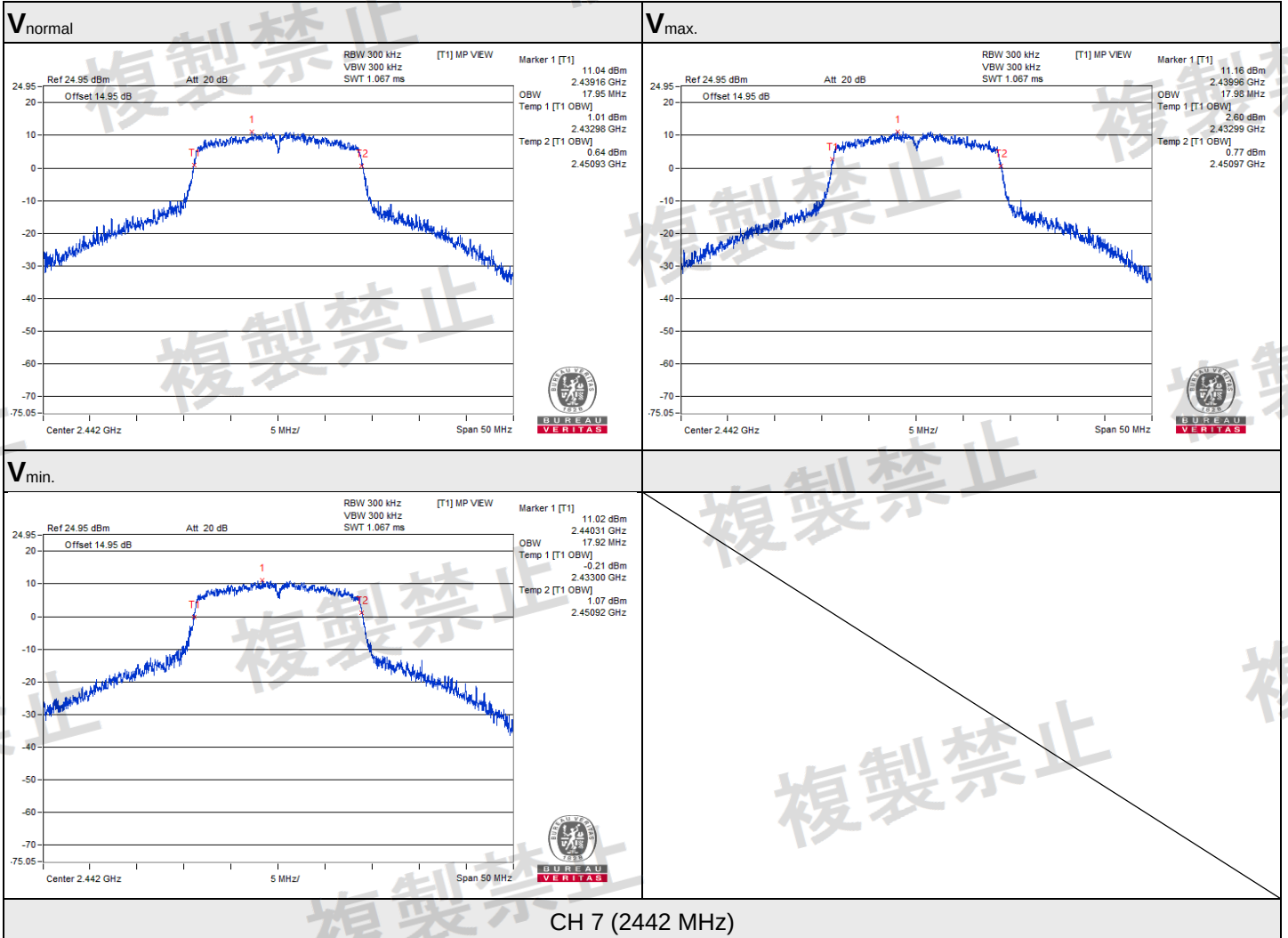


BUREAU
VERITAS



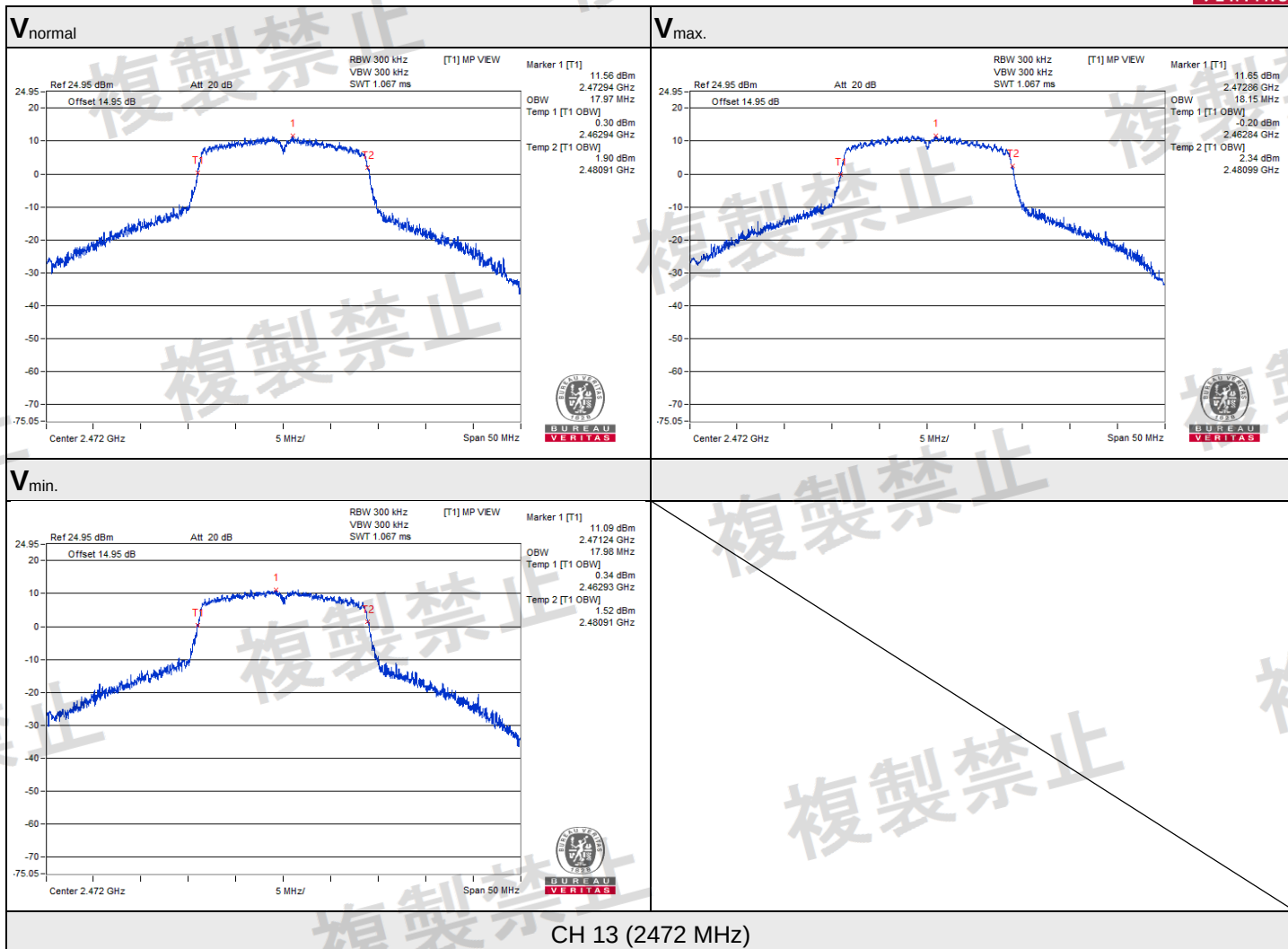


BUREAU
VERITAS





BUREAU
VERITAS



7.3 Spurious Emissions

Environmental Conditions:	25°C, 60% RH	Tested By:	Bella
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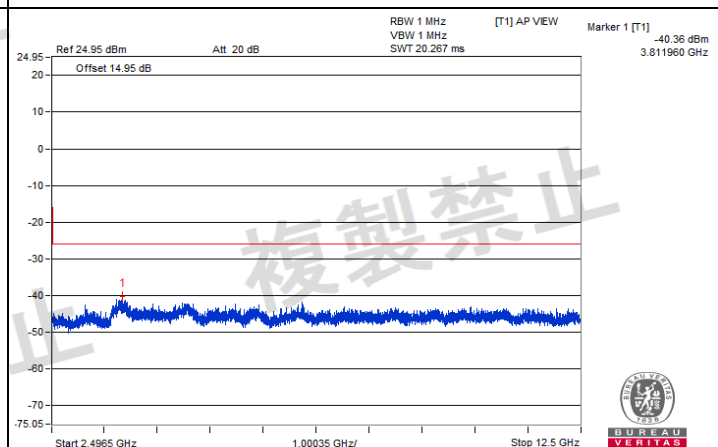
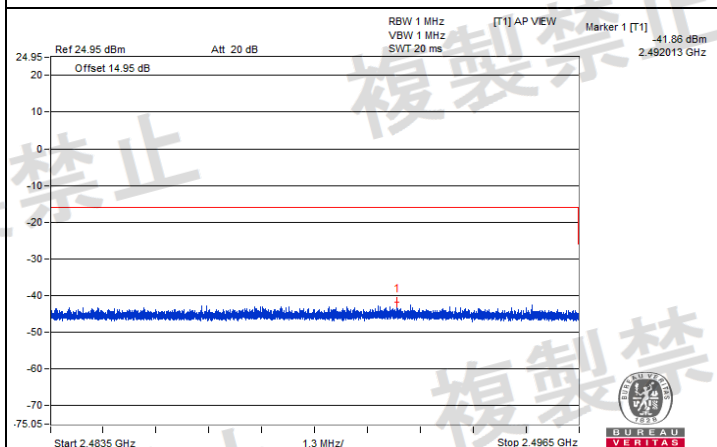
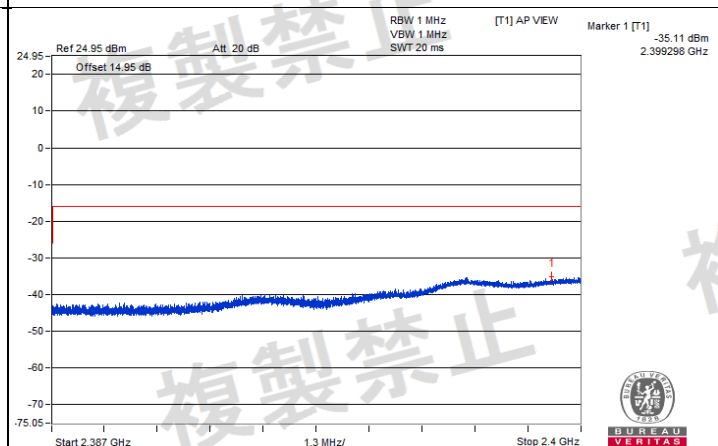
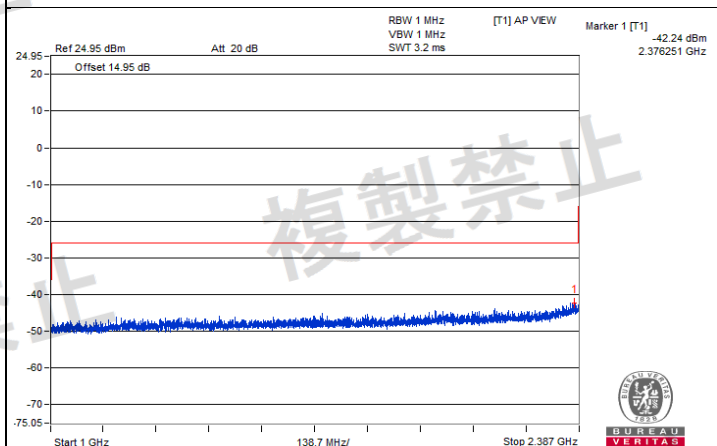
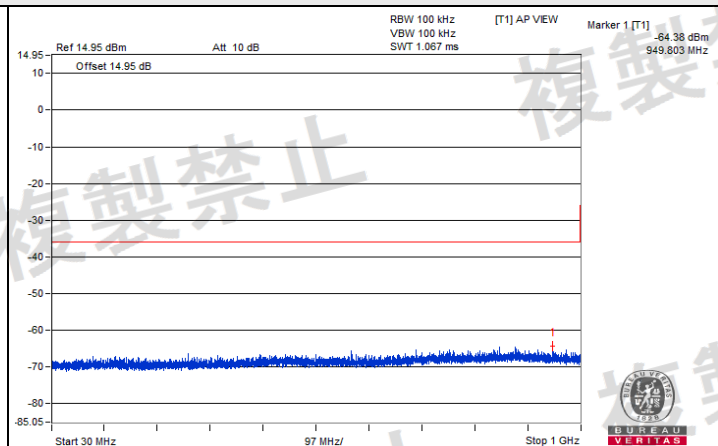
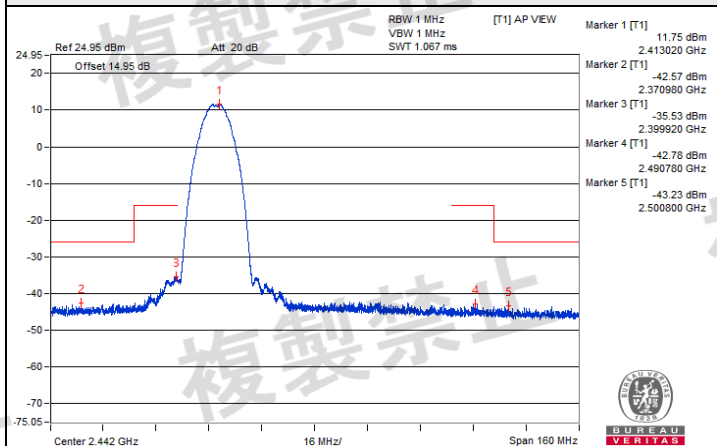
802.11b

TEST CHANNEL		CH 1 (2412 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	949.803	0.000365 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2376.251	0.059704 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2399.298	0.308319 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2492.013	0.065163 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3811.960	0.092045 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	908.335	0.000327 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2370.009	0.066222 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2396.750	0.357273 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2490.788	0.060256 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3721.929	0.085901 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	890.026	0.000366 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2378.851	0.069024 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.057	0.350752 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2485.492	0.069823 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3858.226	0.080724 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 7 (2442 MHz)			
V_{normal}	30.0 to 1000.0	848.195	0.000416 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2379.892	0.054828 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2393.155	0.067453 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2488.983	0.06166 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3766.945	0.078524 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	894.755	0.000367 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2362.207	0.066374 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2391.799	0.078886 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2488.333	0.068549 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3795.705	0.081283 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	868.686	0.000356 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2382.666	0.054954 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2390.738	0.073282 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2486.394	0.064269 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3815.712	0.086696 uW/MHz	2.5 uW/MHz	PASS



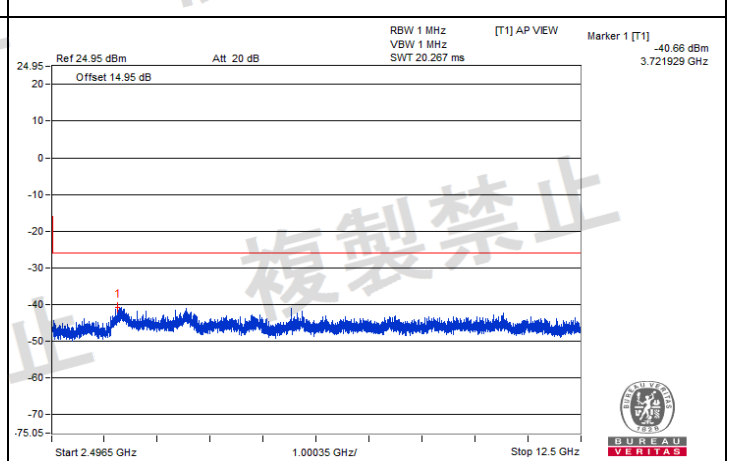
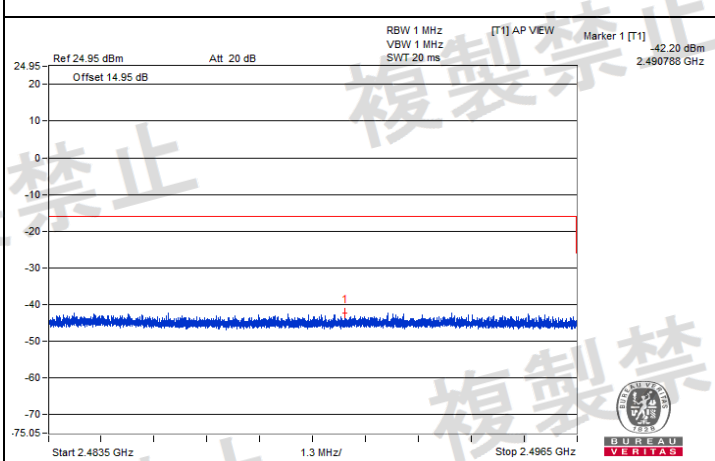
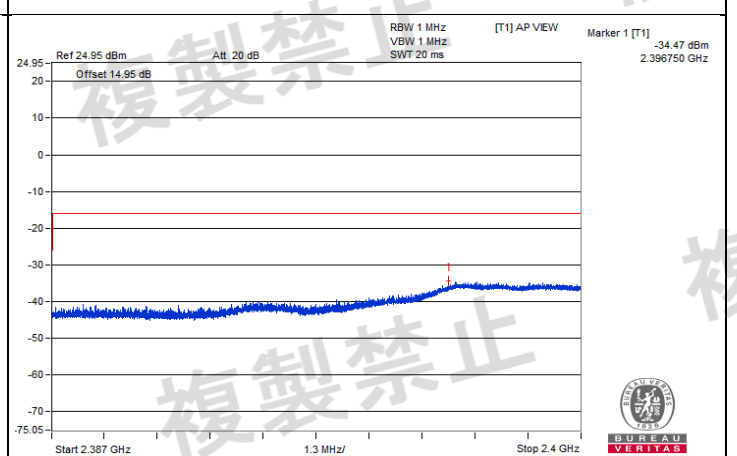
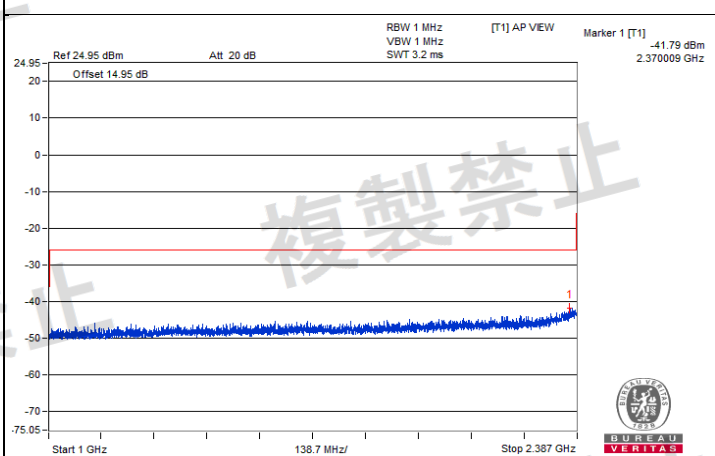
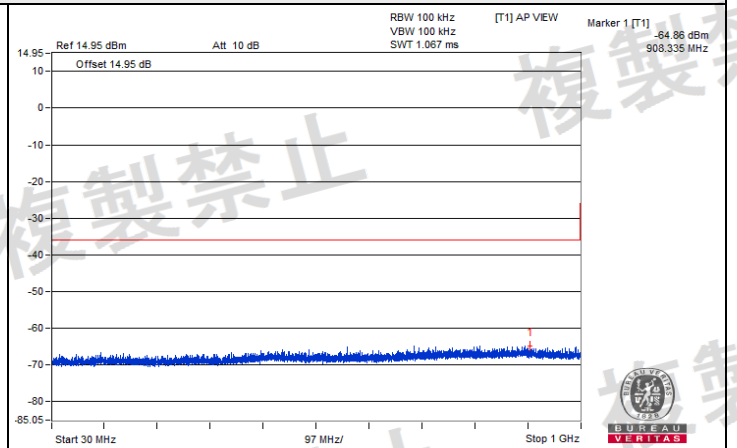
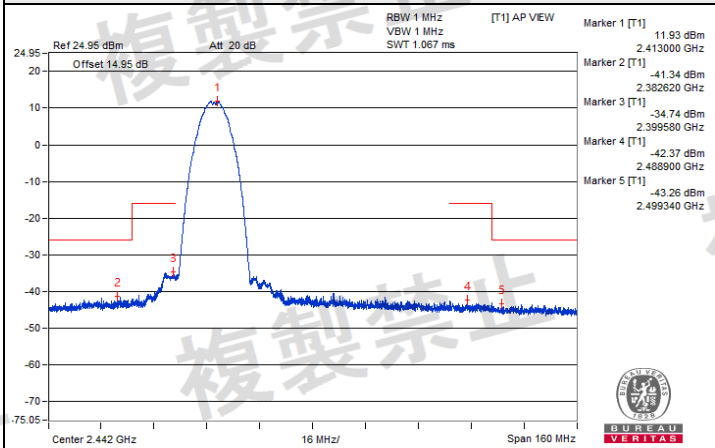
TEST CHANNEL		CH 13 (2472 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	909.911	0.000392 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2376.597	0.057677 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2396.950	0.092683 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.431	0.362243 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3796.955	0.083946 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	884.570	0.00039 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2358.566	0.059704 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2398.760	0.066681 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.272	0.363915 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3813.211	0.093972 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	883.357	0.000369 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2375.211	0.054954 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.059	0.066834 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.381	0.39355 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	5012.380	0.079068 uW/MHz	2.5 uW/MHz	PASS
NOTE: 1. The spectrum plots are attached on the following pages.					

Vnormal



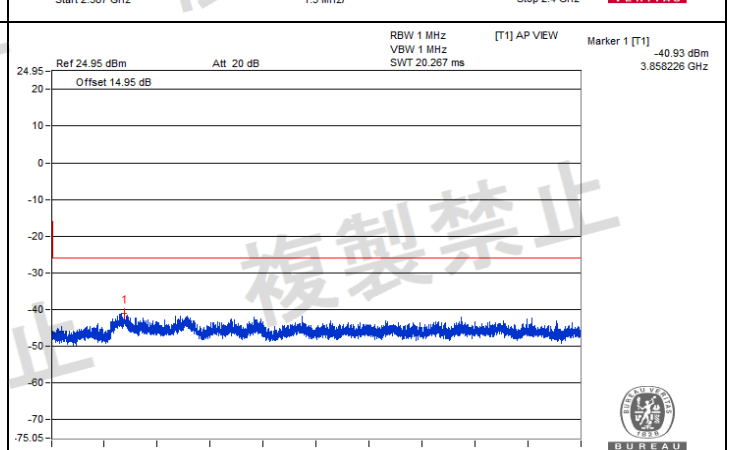
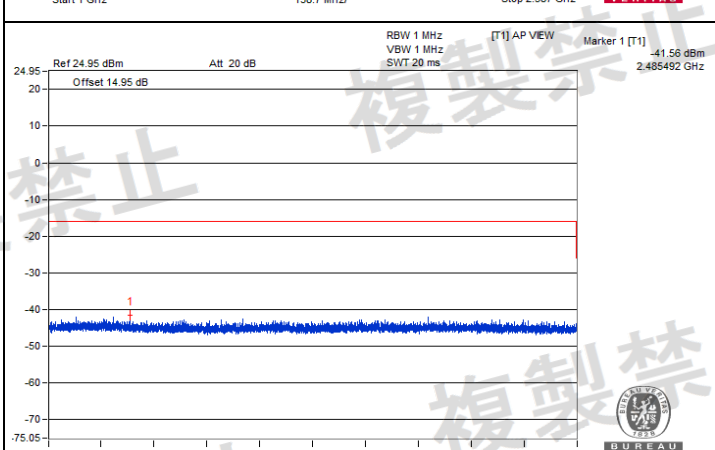
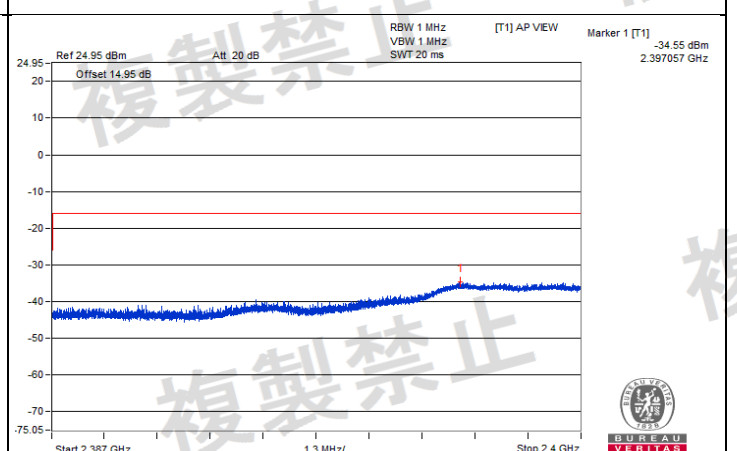
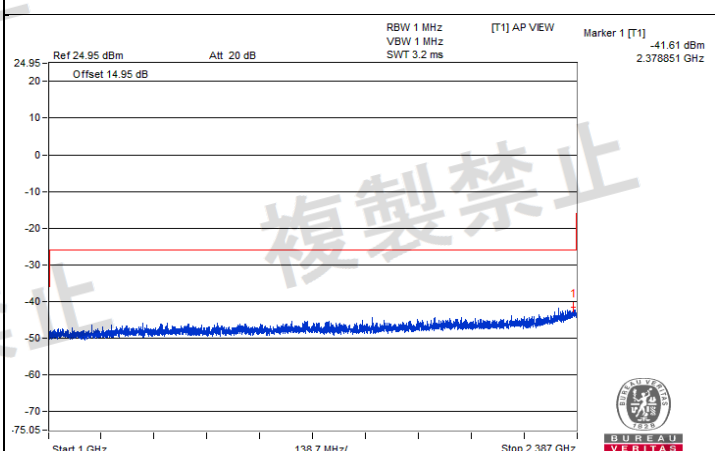
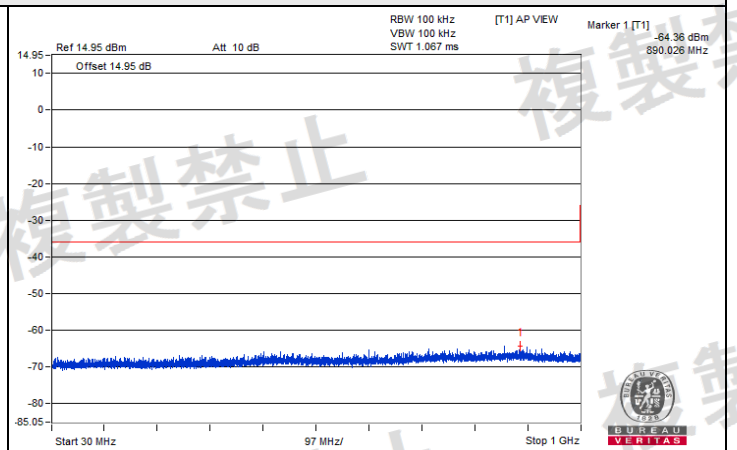
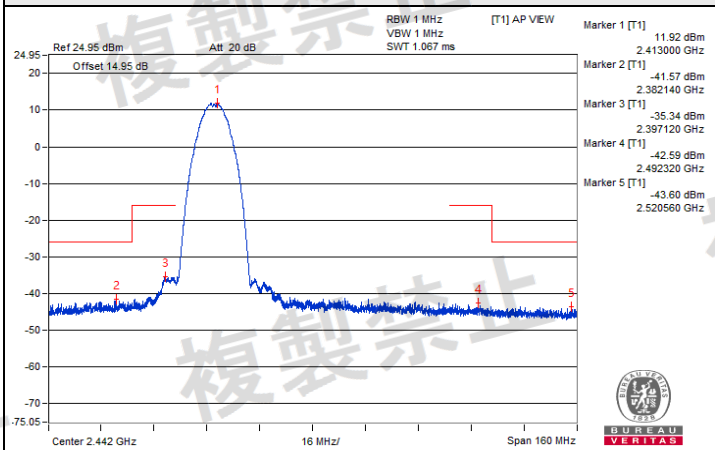
CH 1 (2412 MHz)

Vmax.



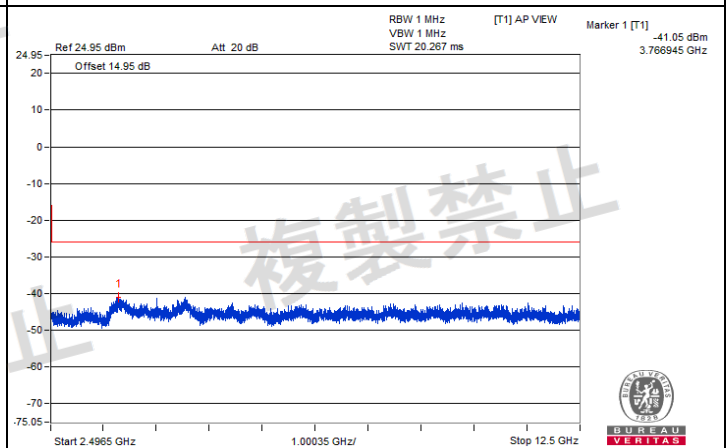
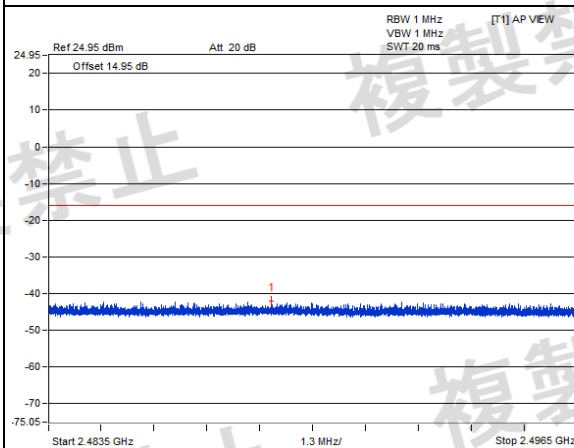
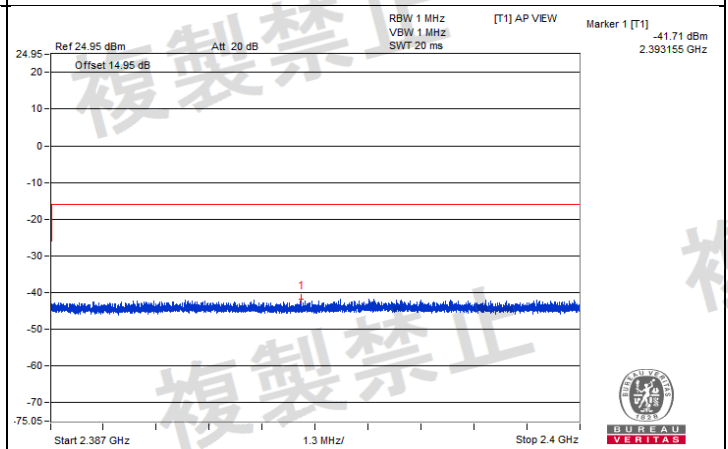
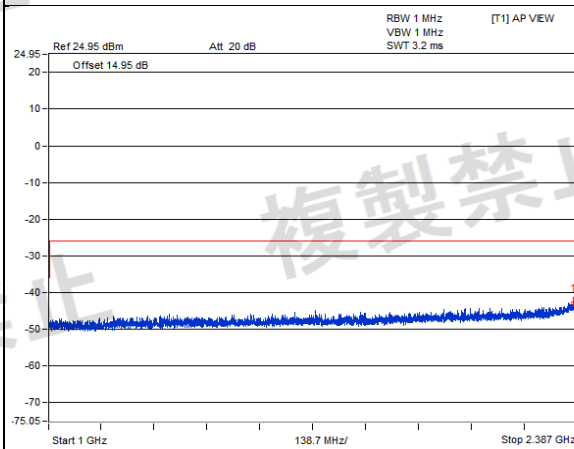
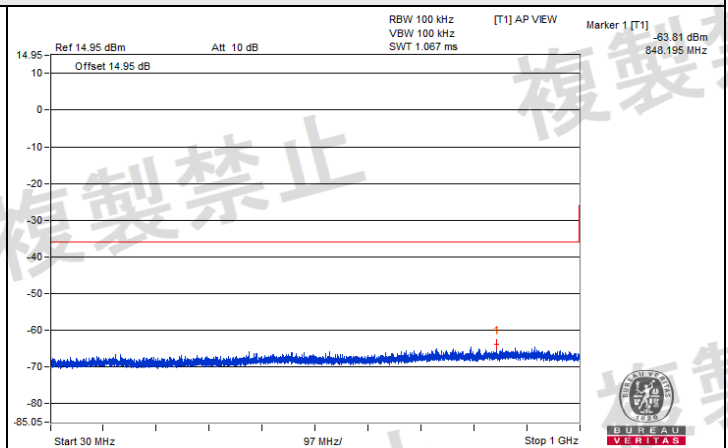
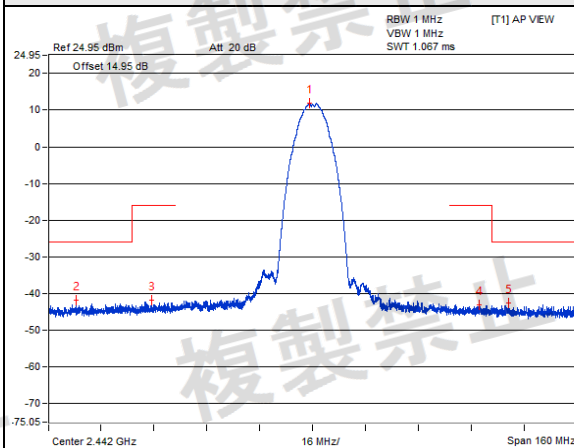
CH 1 (2412 MHz)

V_{min}.



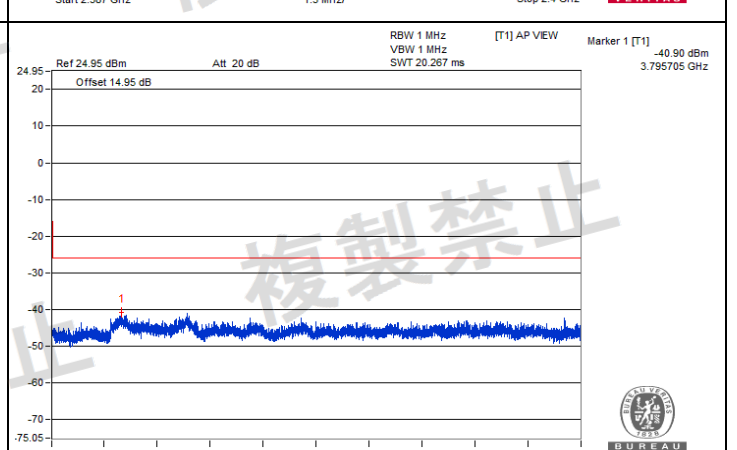
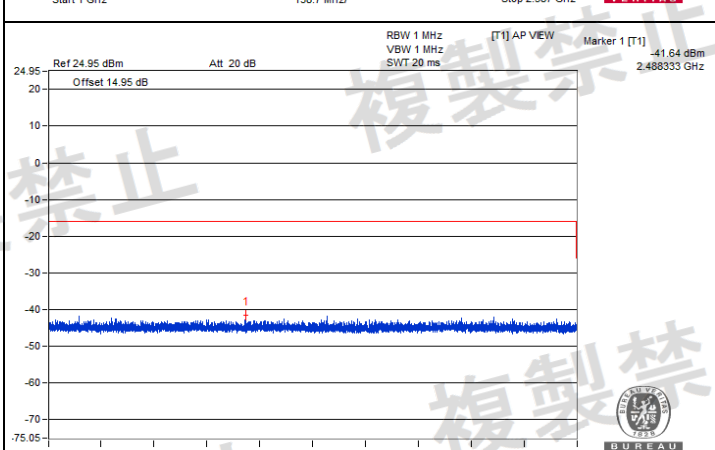
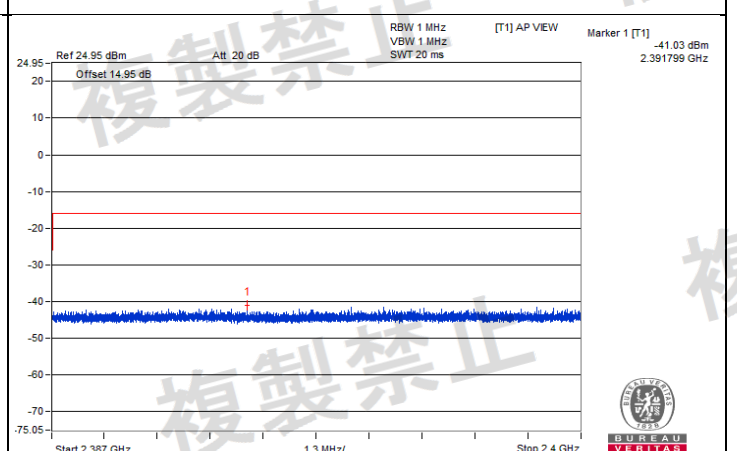
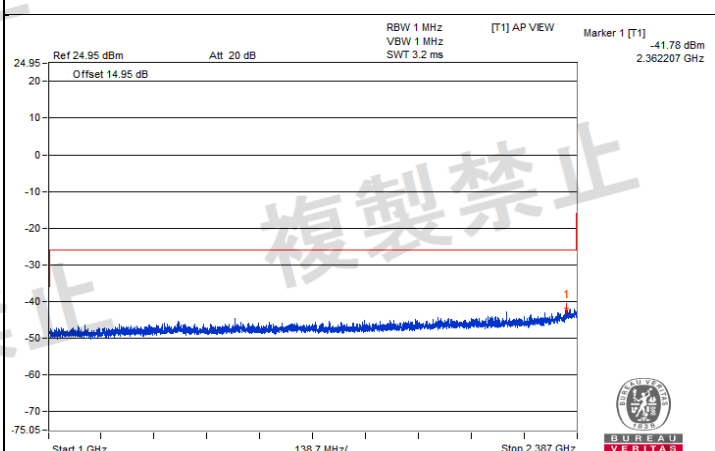
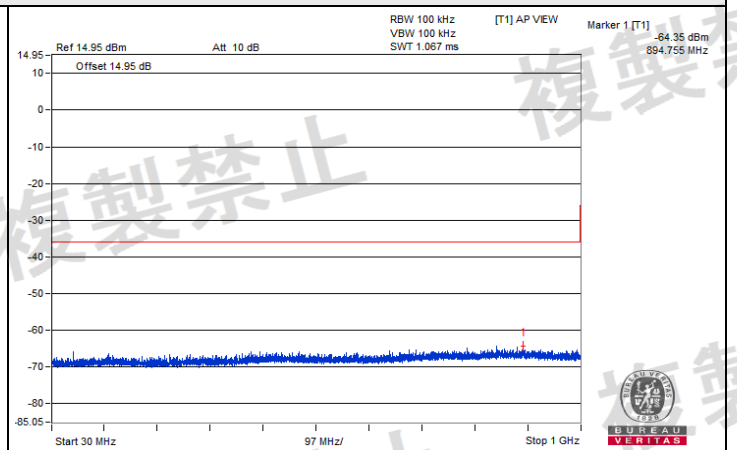
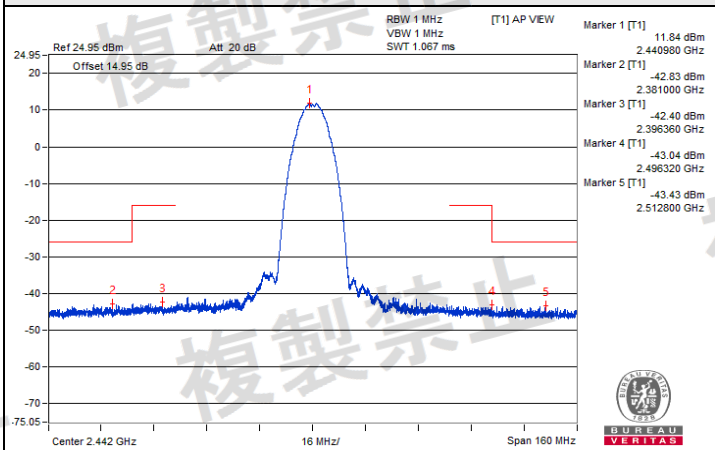
CH 1 (2412 MHz)

Vnormal



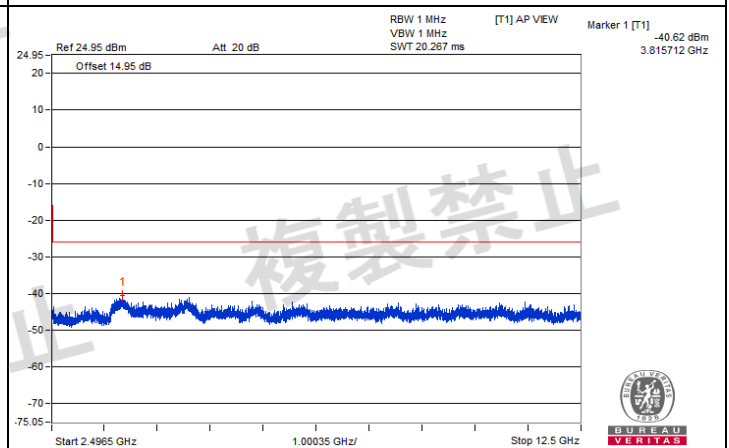
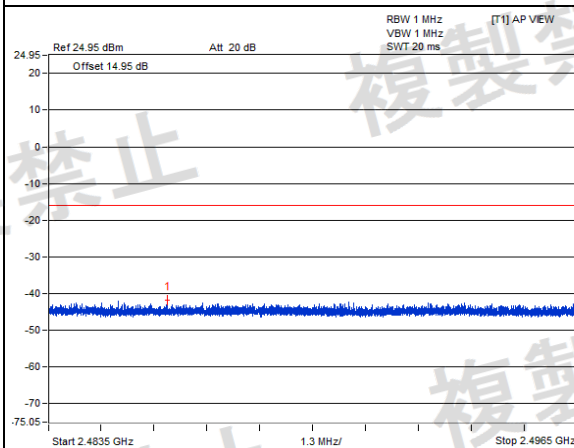
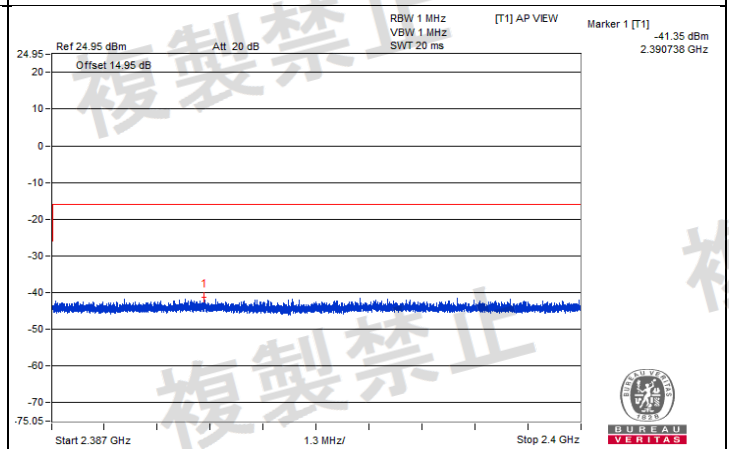
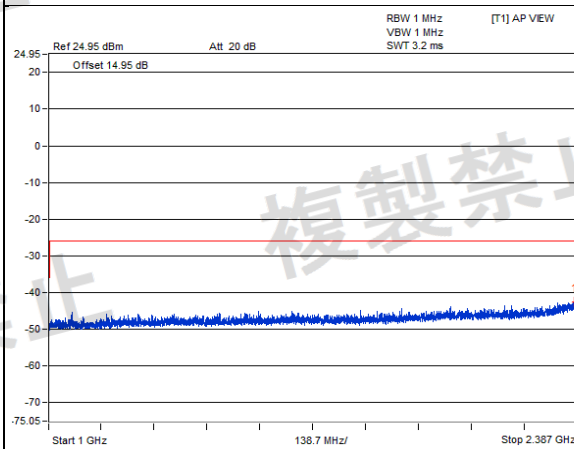
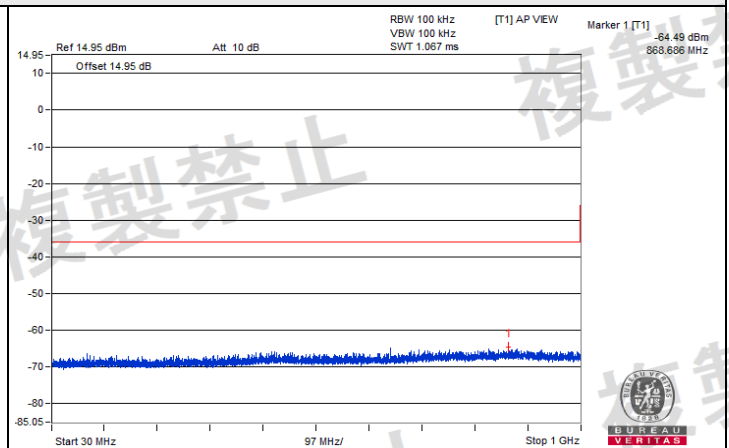
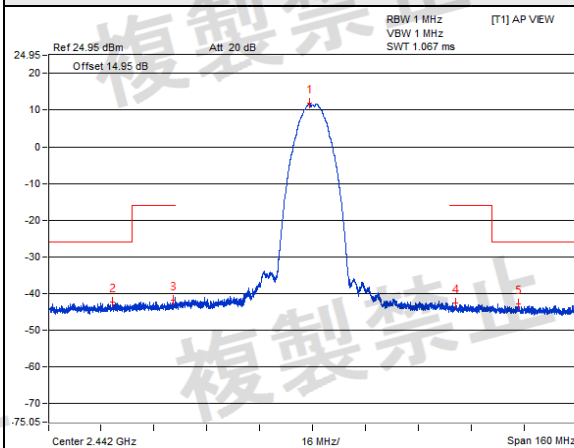
CH 7 (2442 MHz)

Vmax.

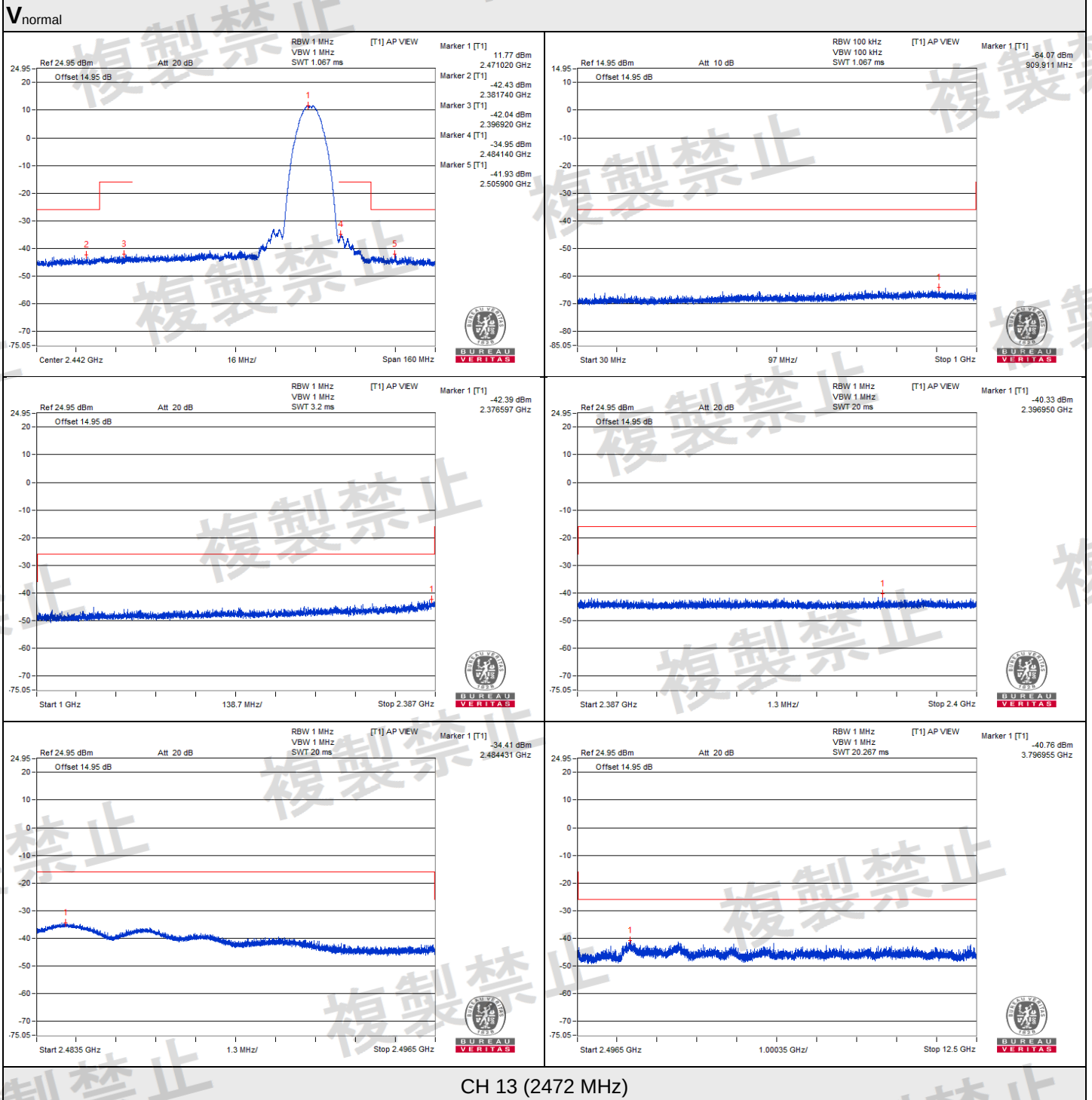


CH 7 (2442 MHz)

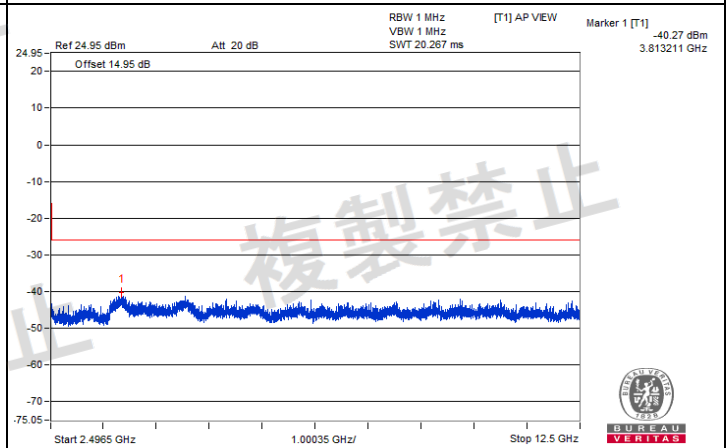
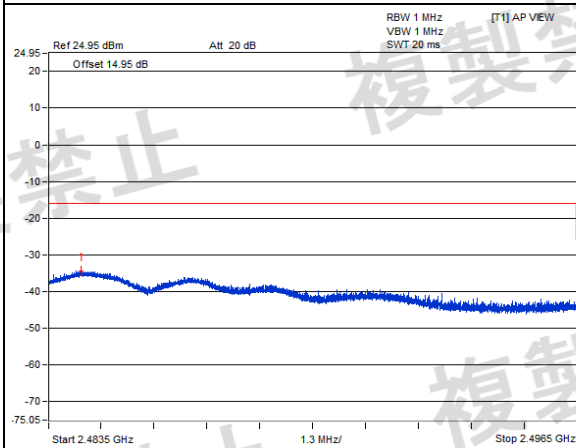
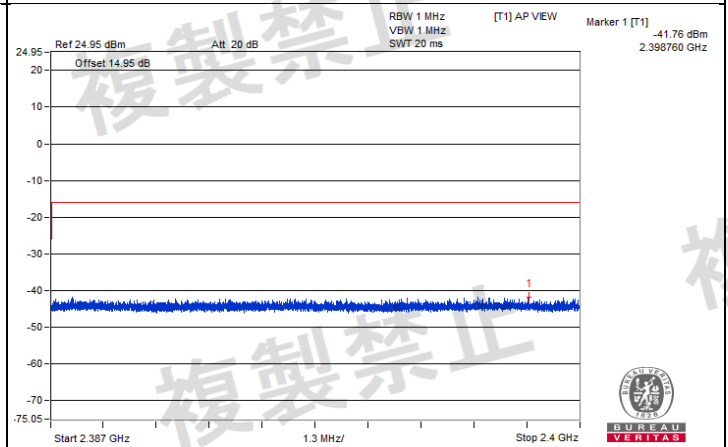
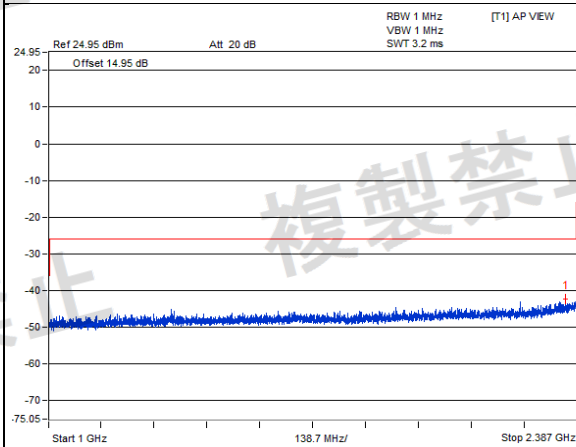
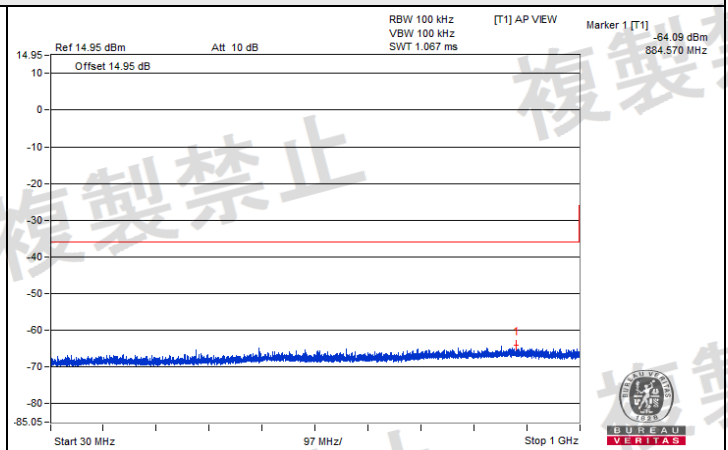
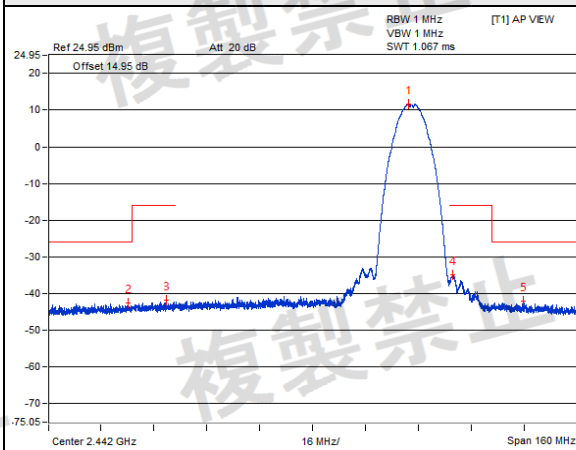
V_{min}.



CH 7 (2442 MHz)

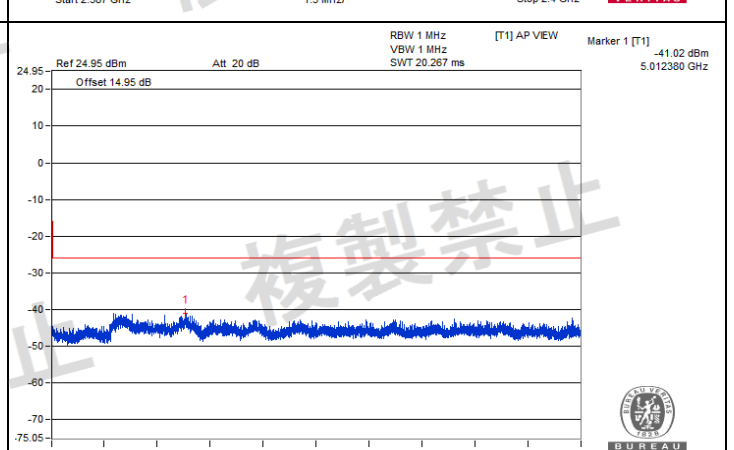
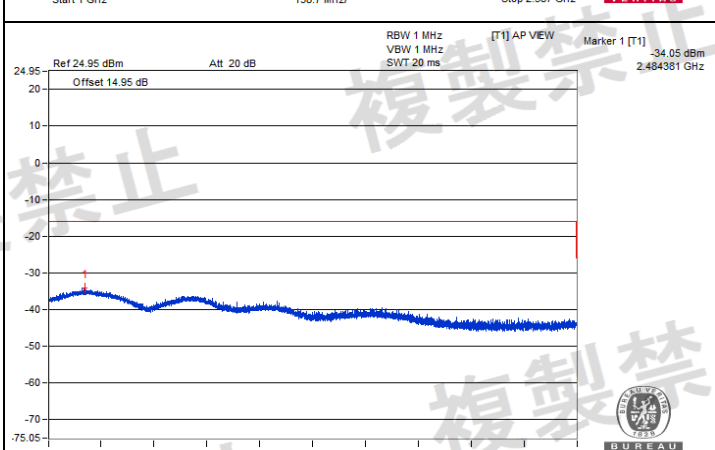
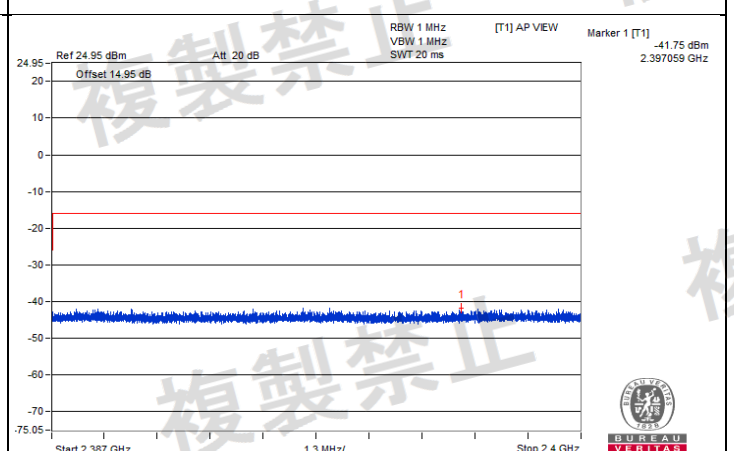
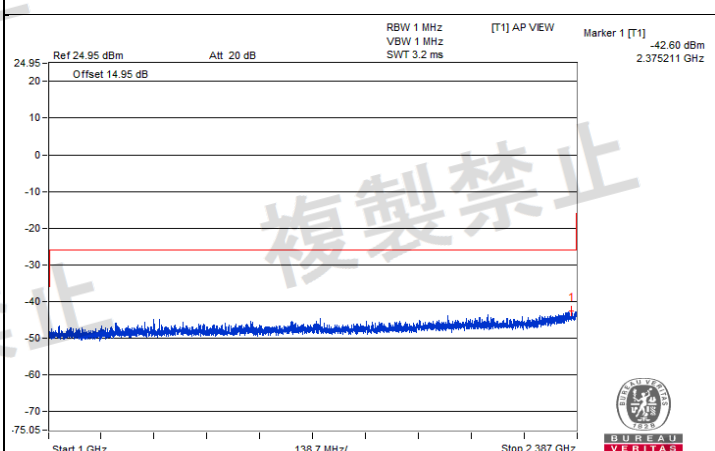
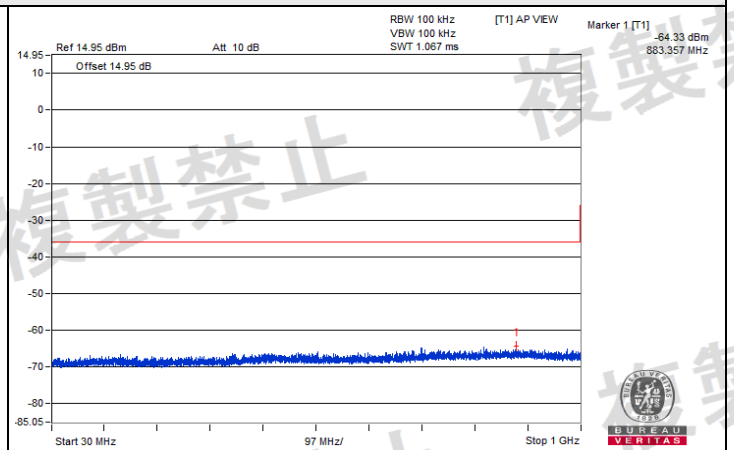
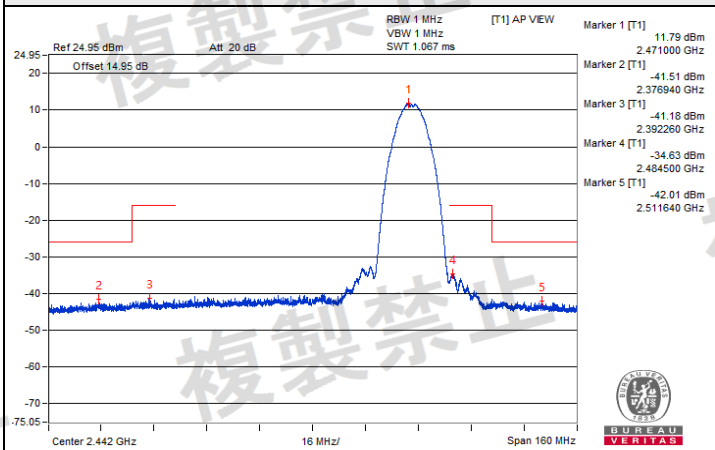


Vmax.



CH 13 (2472 MHz)

Vmin.



CH 13 (2472 MHz)

802.11g

TEST CHANNEL		CH 1 (2412 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	968.475	0.000357 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.653	0.155521 uW/MHz	2.5 uW/MHz	PASS(1)
	2387.0 to 2400.0	2398.547	6.41495 uW/MHz	25 uW/MHz	PASS(2)
	2483.5 to 2496.5	2485.520	0.114815 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	4966.114	0.08531 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	855.834	0.000334 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2383.532	0.093651 uW/MHz	2.5 uW/MHz	PASS(3)
	2387.0 to 2400.0	2399.968	9.069433 uW/MHz	25 uW/MHz	PASS(4)
	2483.5 to 2496.5	2486.540	0.123595 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3925.750	0.086696 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	796.543	0.000336 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.480	0.167124 uW/MHz	2.5 uW/MHz	PASS(5)
	2387.0 to 2400.0	2399.223	7.372082 uW/MHz	25 uW/MHz	PASS(6)
	2483.5 to 2496.5	2484.273	0.115611 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3856.976	0.109901 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 7 (2442 MHz)			
V_{normal}	30.0 to 1000.0	859.714	0.000328 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2385.266	0.144877 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2399.688	2.133045 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2485.024	0.398107 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3791.953	0.084333 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	820.671	0.000335 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2381.452	0.178238 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2399.863	2.344229 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2483.671	0.38815 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	2496.500	0.100925 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	749.861	0.000298 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.480	0.179473 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.416	2.041738 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2485.188	0.404576 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	5066.149	0.078343 uW/MHz	2.5 uW/MHz	PASS

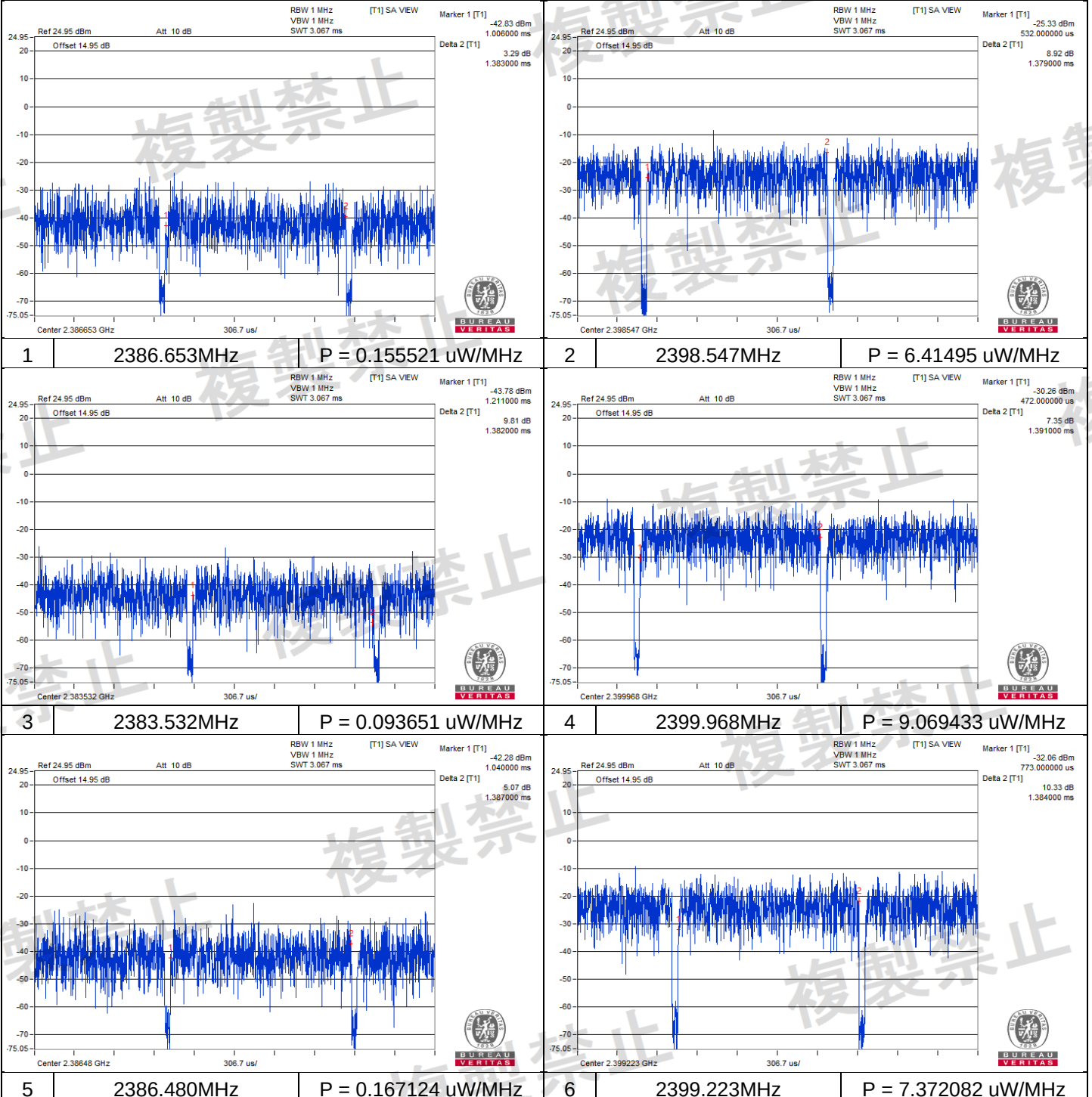


TEST CHANNEL		CH 13 (2472 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	893.179	0.000365 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2383.532	0.097949 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2395.562	0.195434 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.376	5.503667 uW/MHz	25 uW/MHz	PASS(7)
	2496.5 to 12500.0	2496.500	0.474242 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	908.577	0.000312 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.827	0.094842 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2399.472	0.169824 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.259	5.010351 uW/MHz	25 uW/MHz	PASS(8)
	2496.5 to 12500.0	2496.500	0.327341 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	983.995	0.000371 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2385.613	0.091622 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2395.249	0.181134 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.033	5.835441 uW/MHz	25 uW/MHz	PASS(9)
	2496.5 to 12500.0	2497.750	0.292415 uW/MHz	2.5 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Measuring Mode *Zero Span

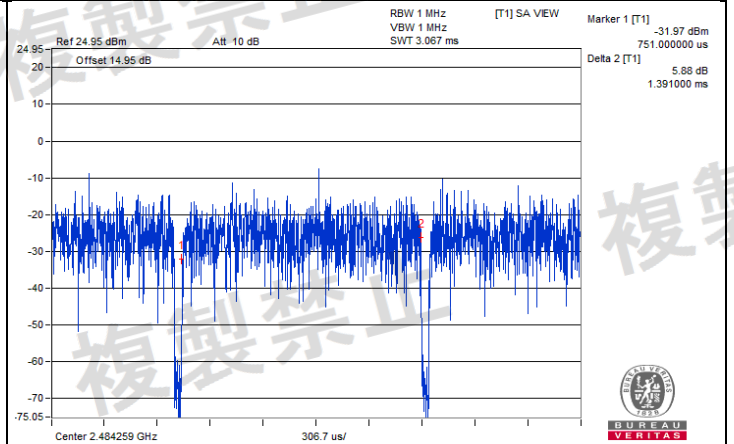
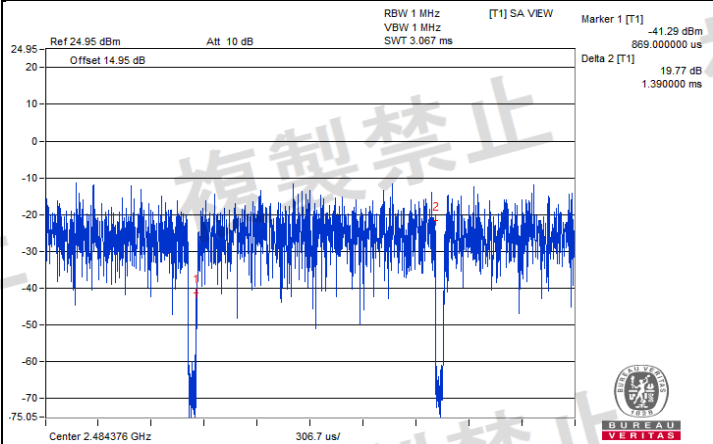
1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates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





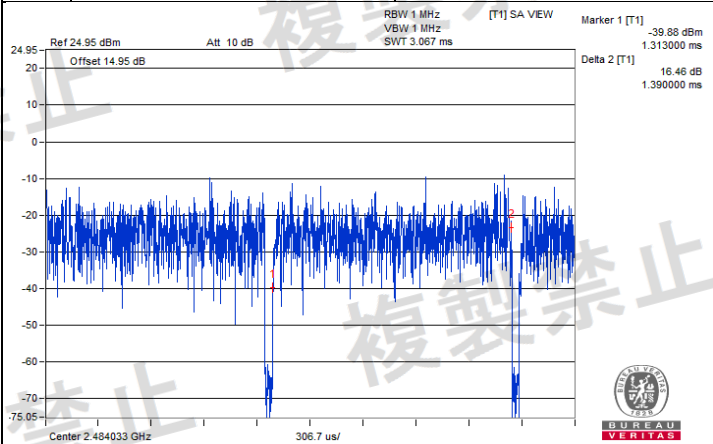
Measuring Mode *Zero Span

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



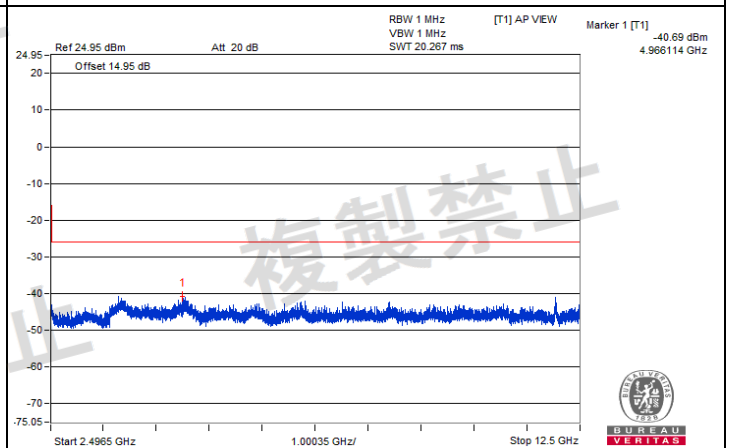
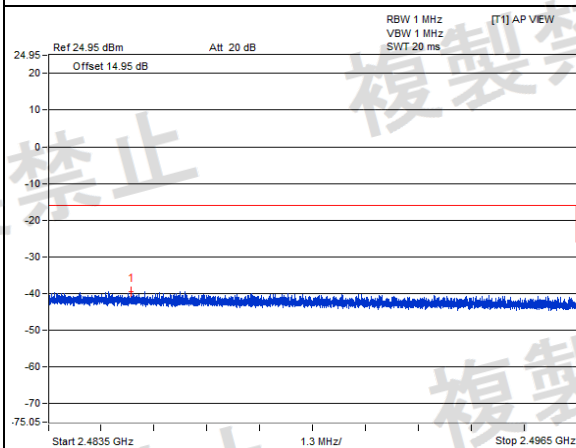
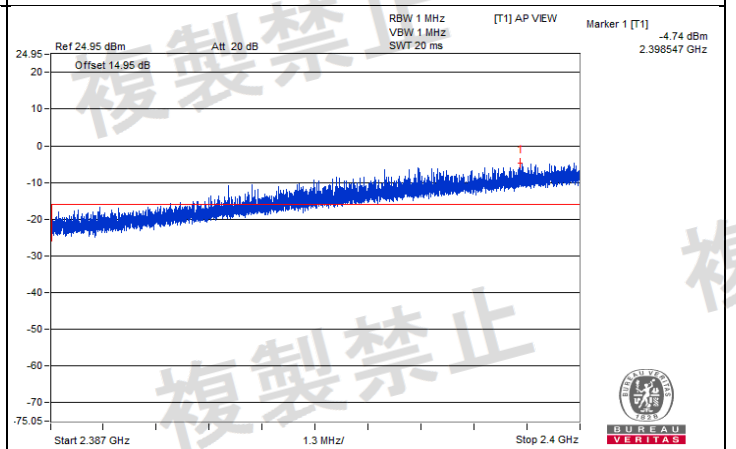
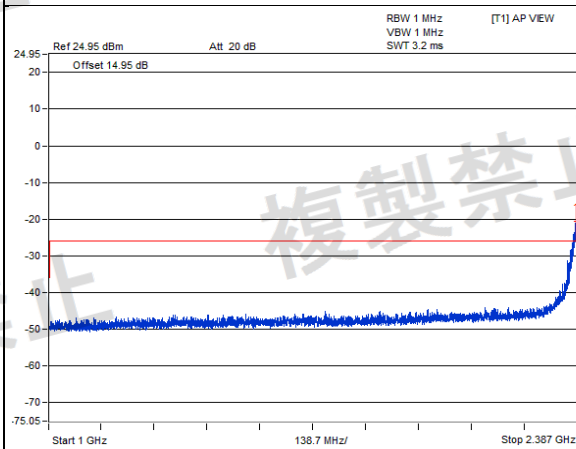
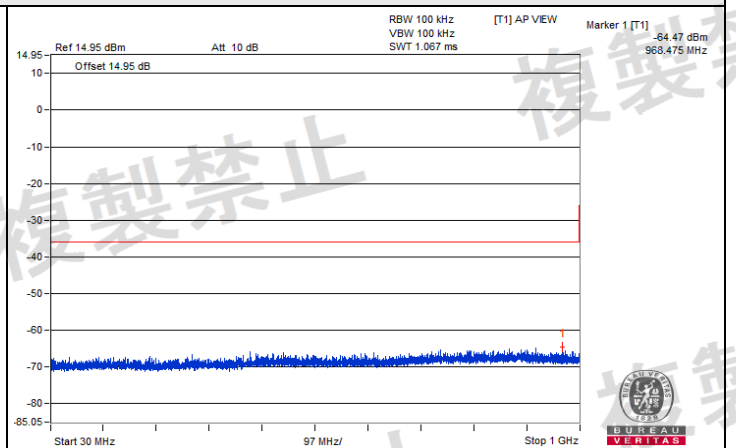
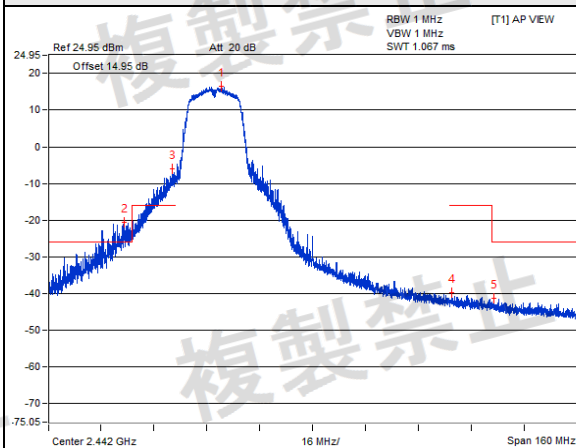
7 2484.376MHz P = 5.503667 uW/MHz

8 2484.259MHz P = 5.010351 uW/MHz



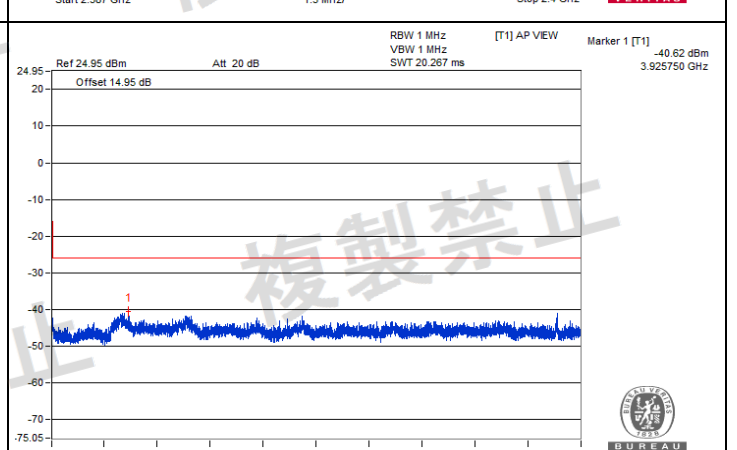
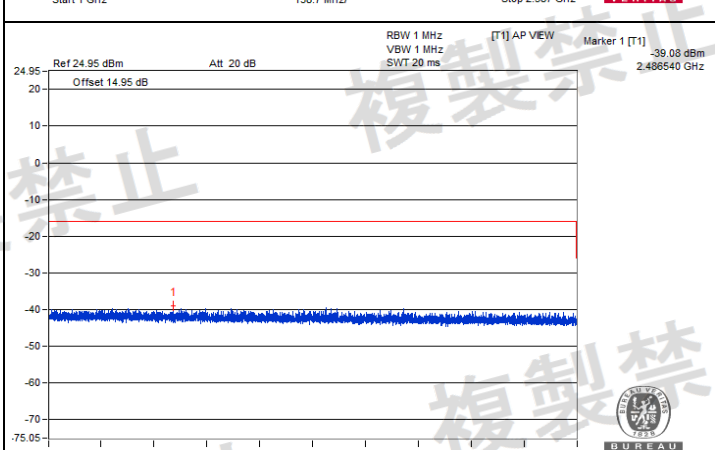
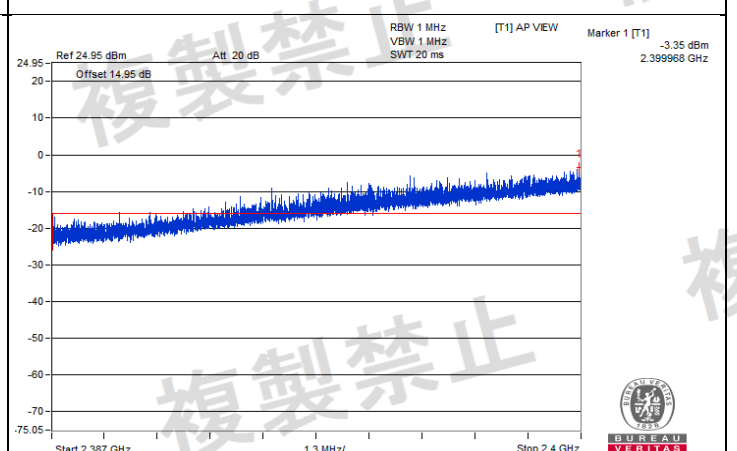
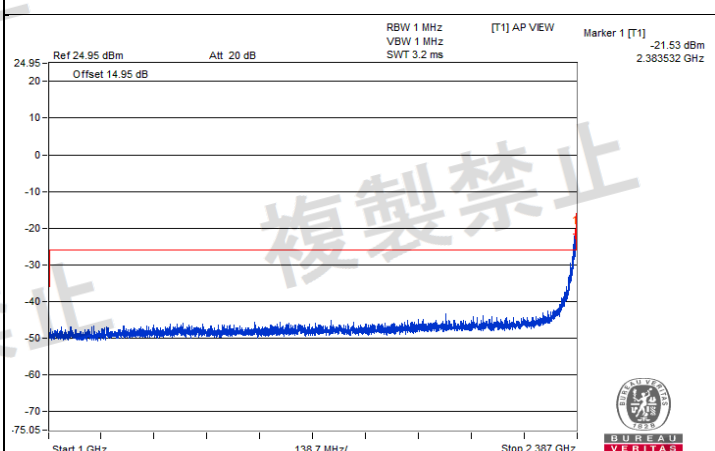
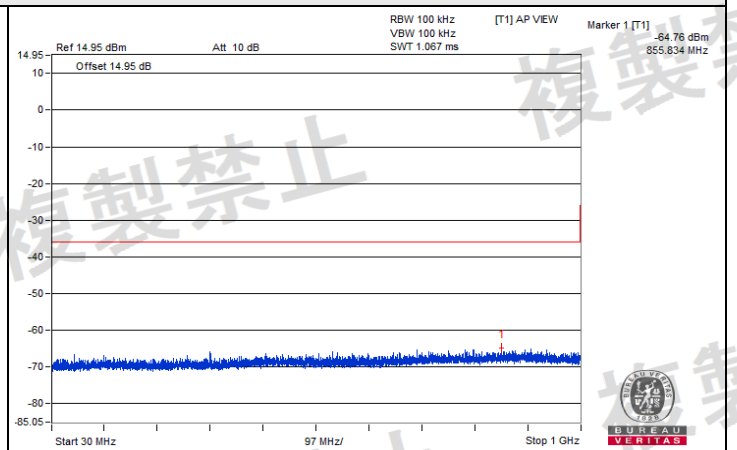
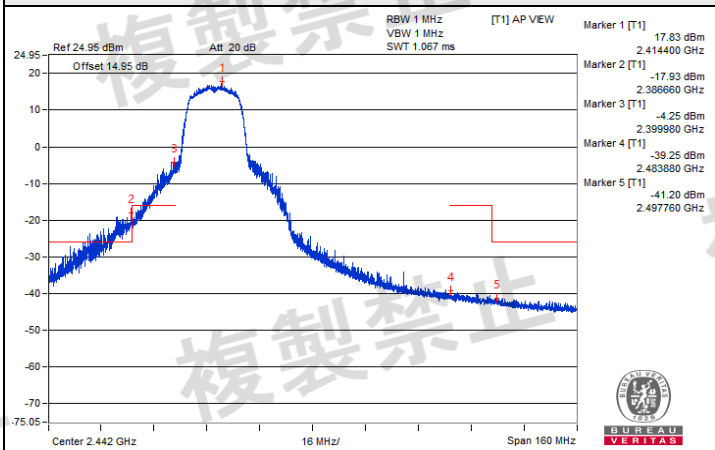
9 2484.033MHz P = 5.835441 uW/MHz

Vnormal



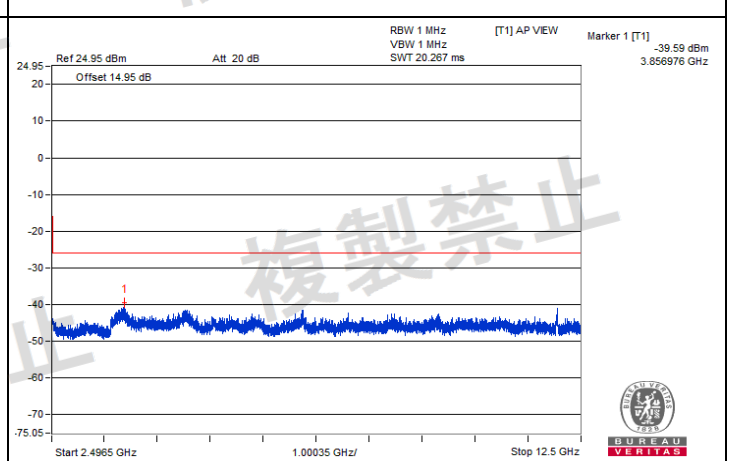
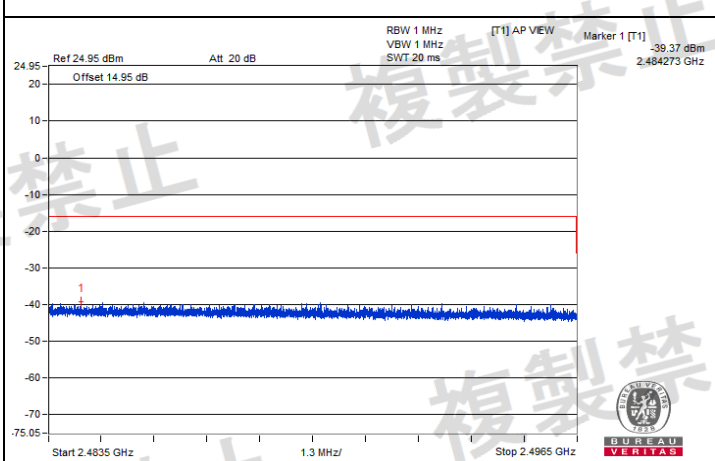
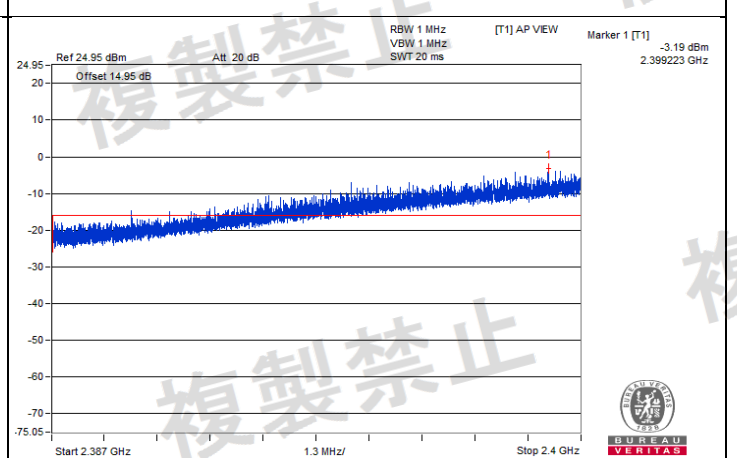
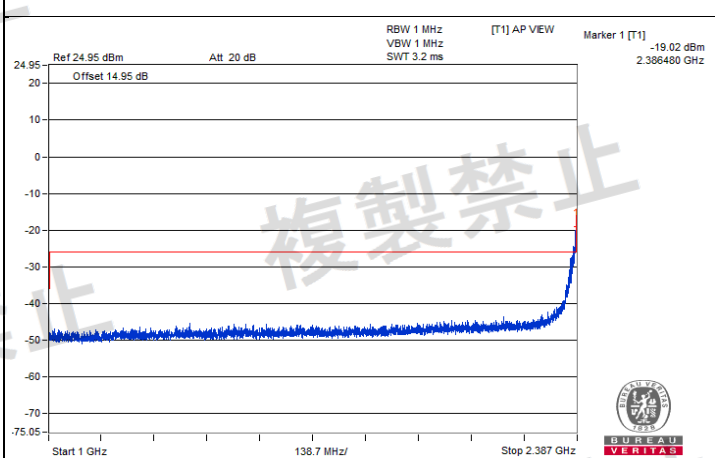
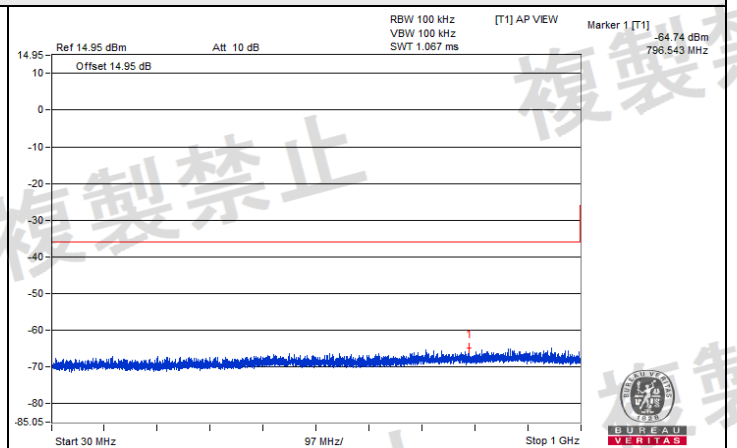
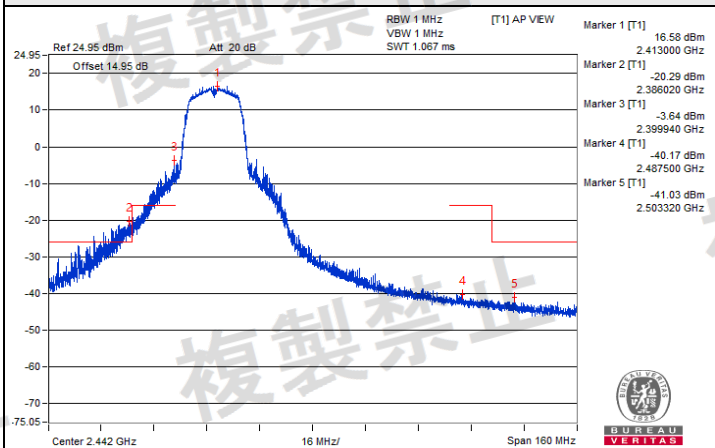
CH 1 (2412 MHz)

Vmax.

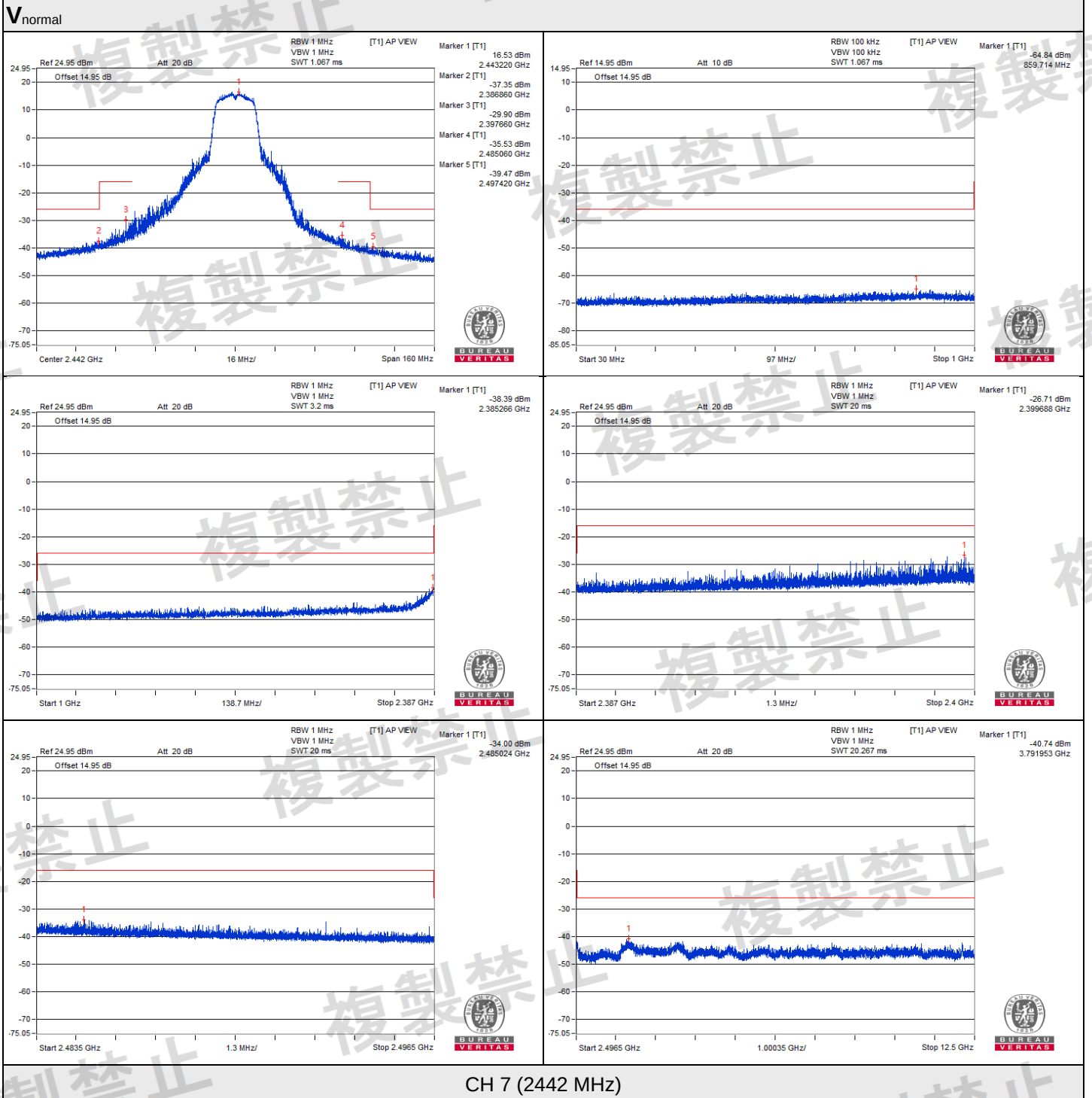


CH 1 (2412 MHz)

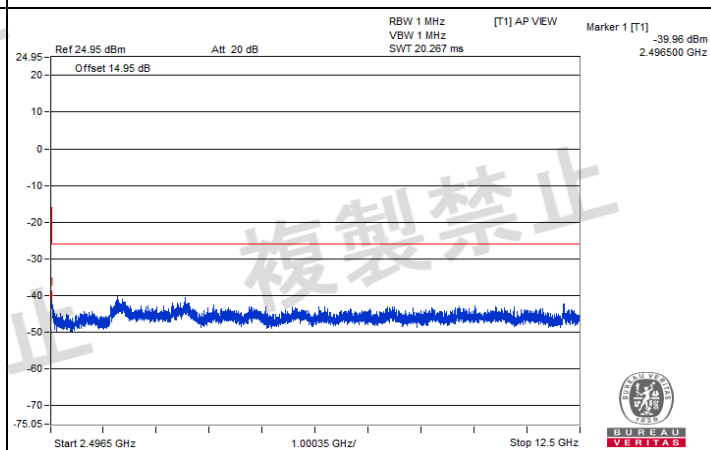
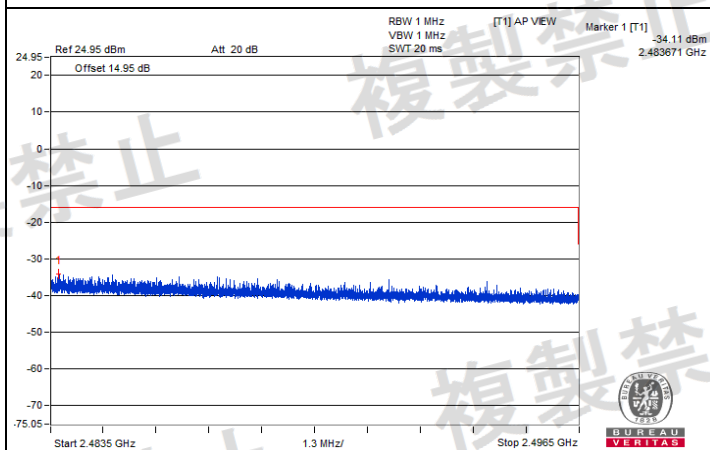
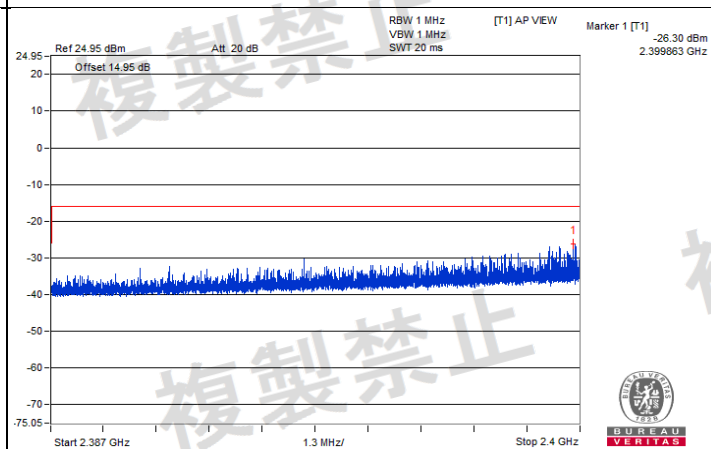
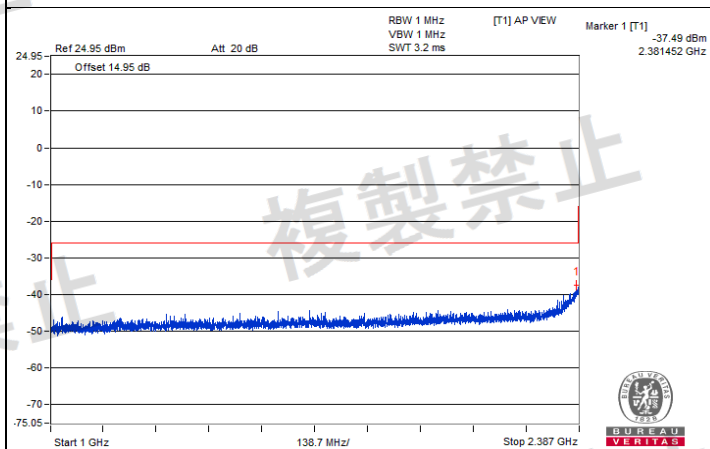
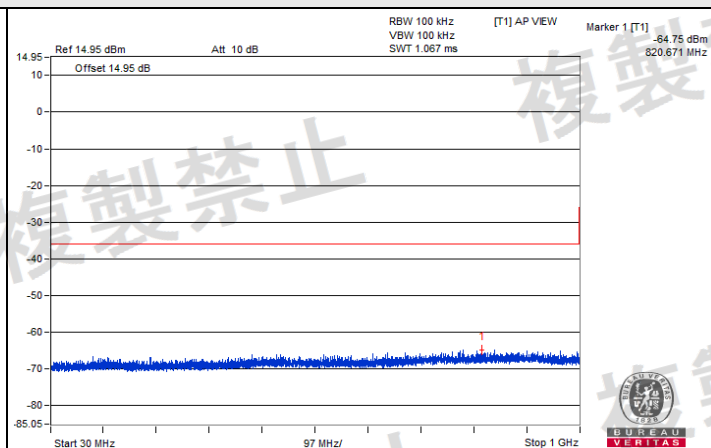
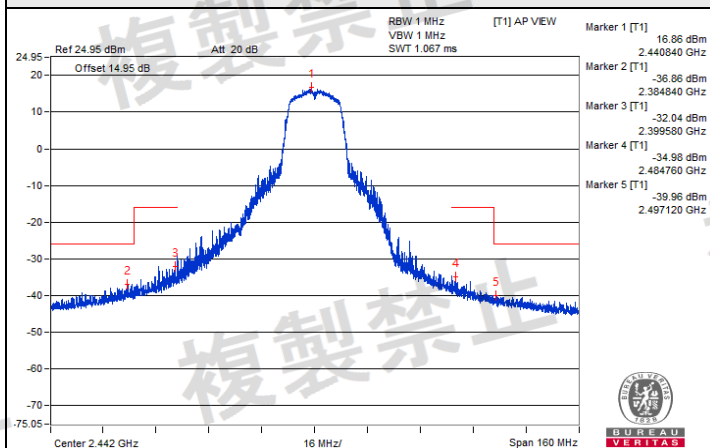
V_{min}.



CH 1 (2412 MHz)

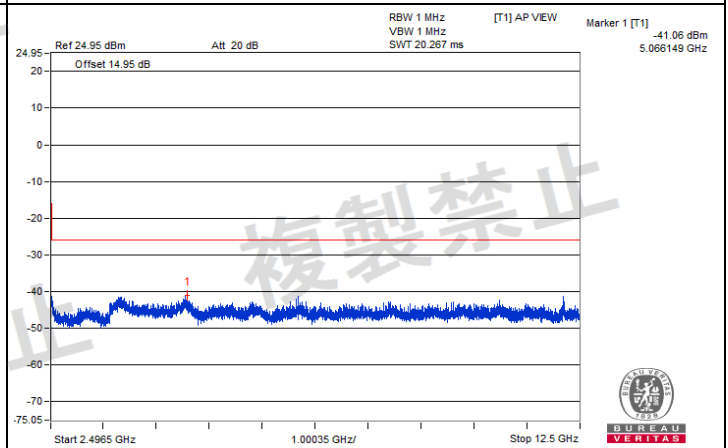
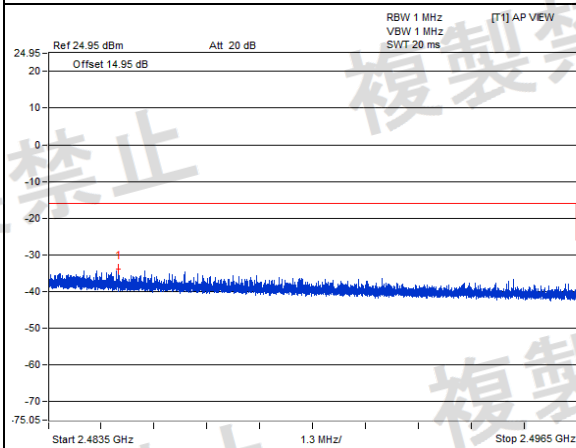
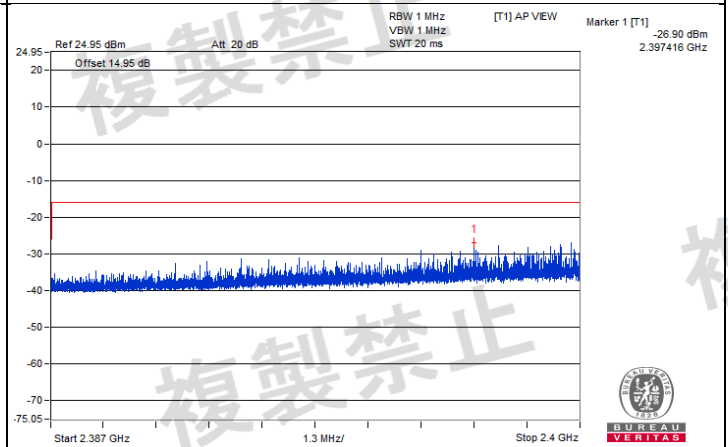
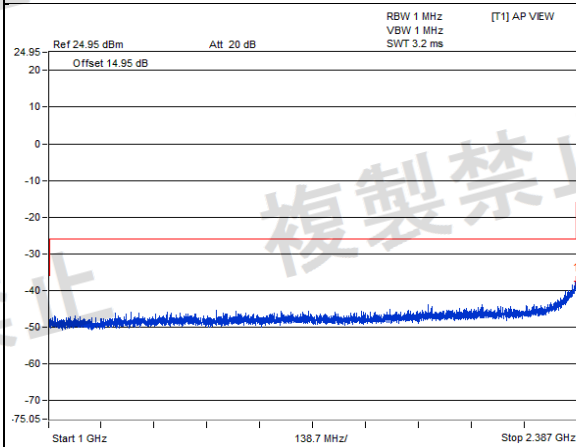
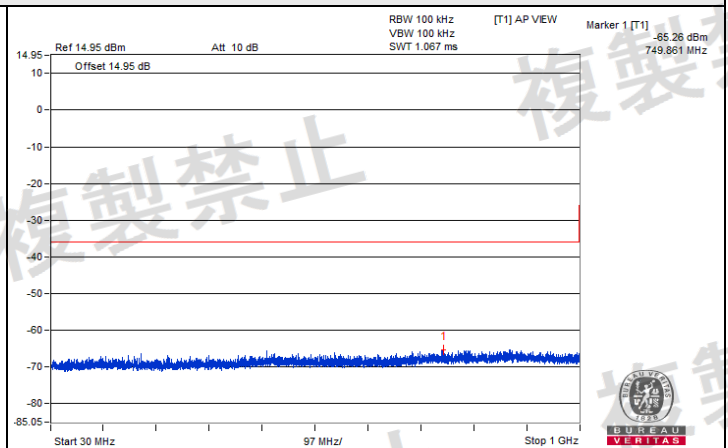
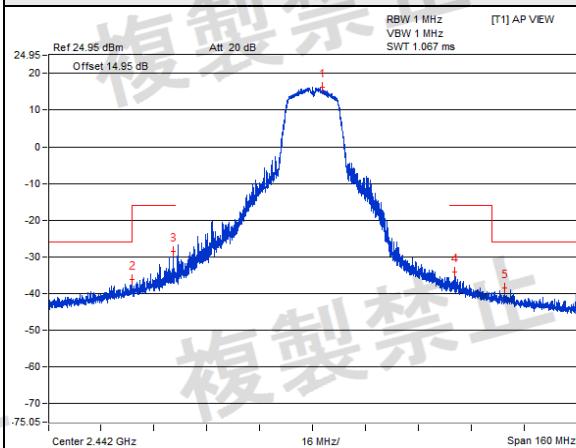


Vmax.



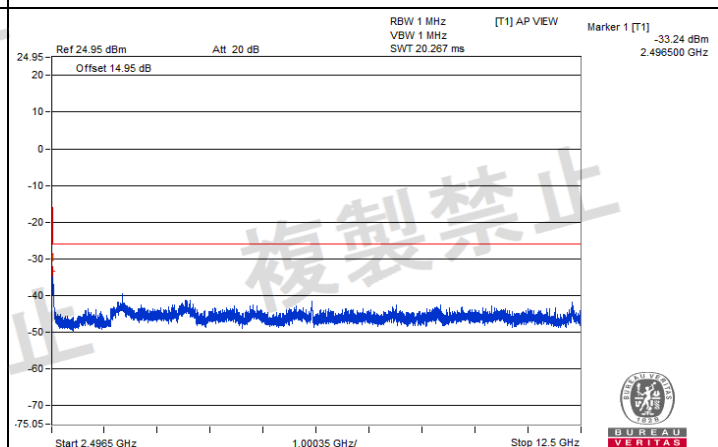
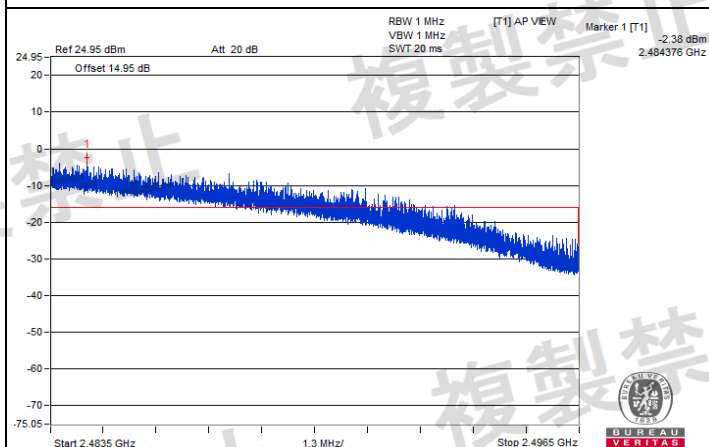
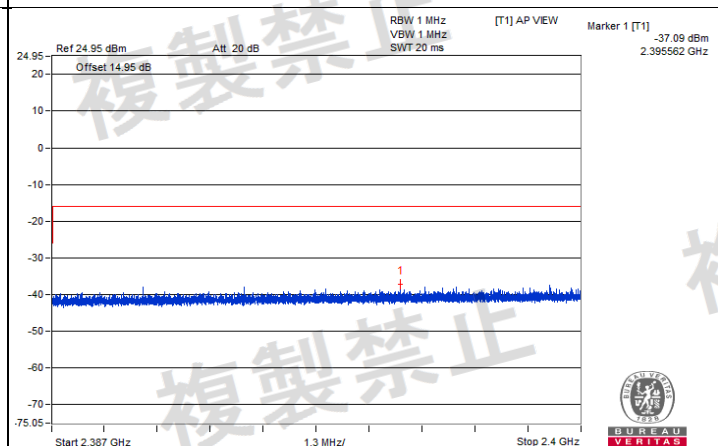
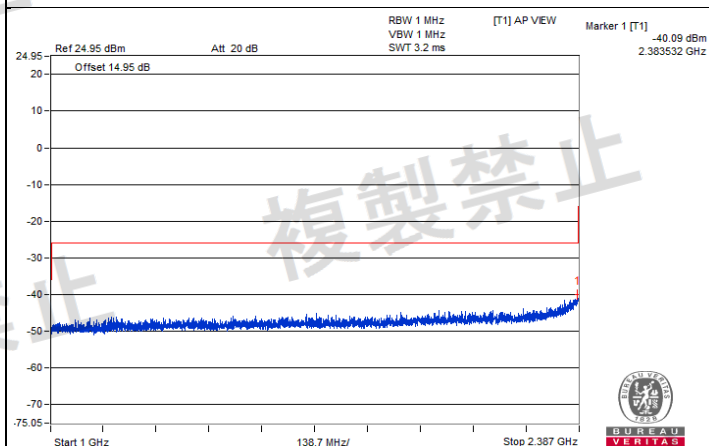
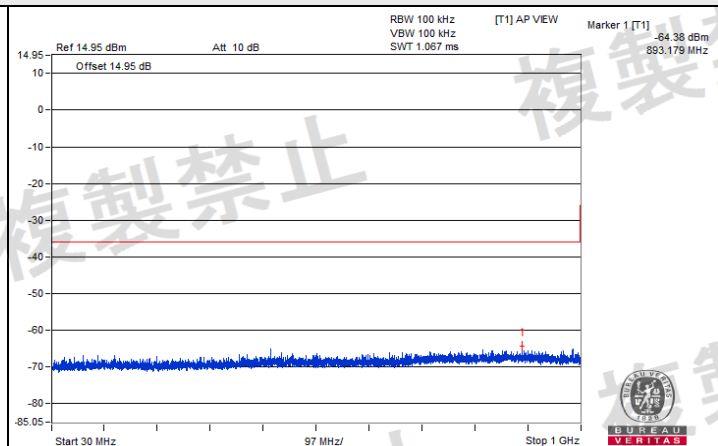
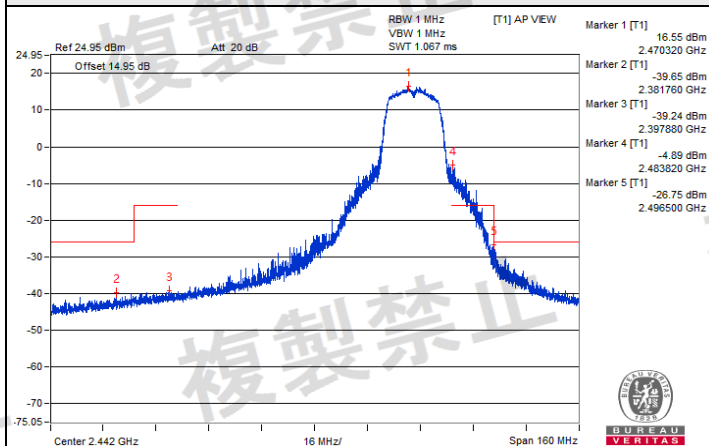
CH 7 (2442 MHz)

V_{min}.



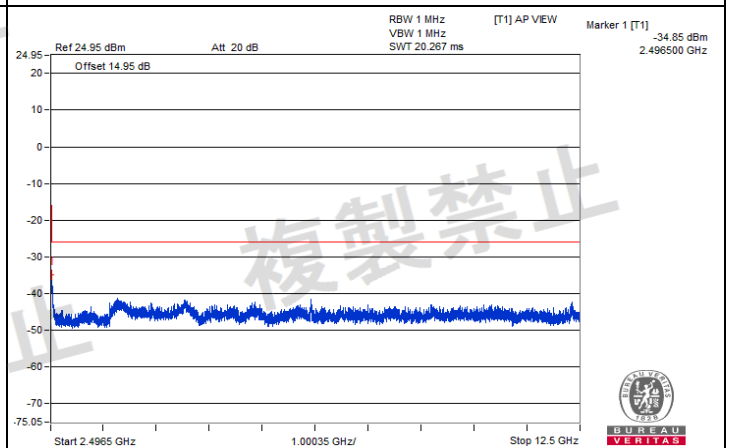
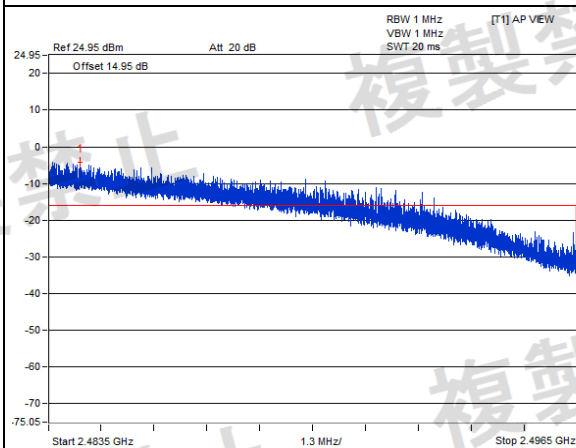
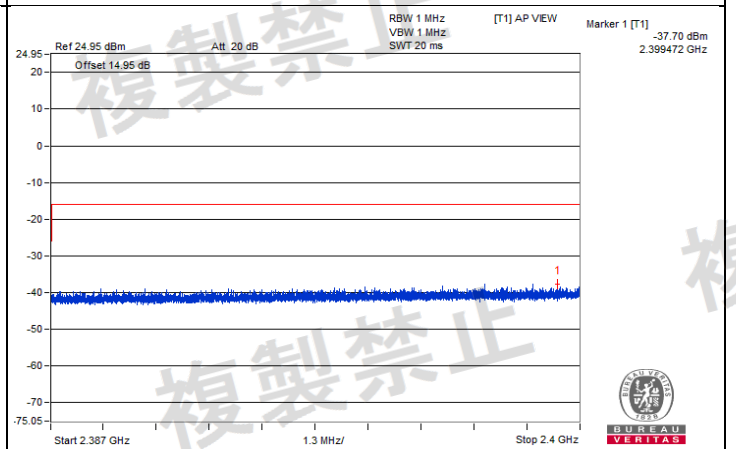
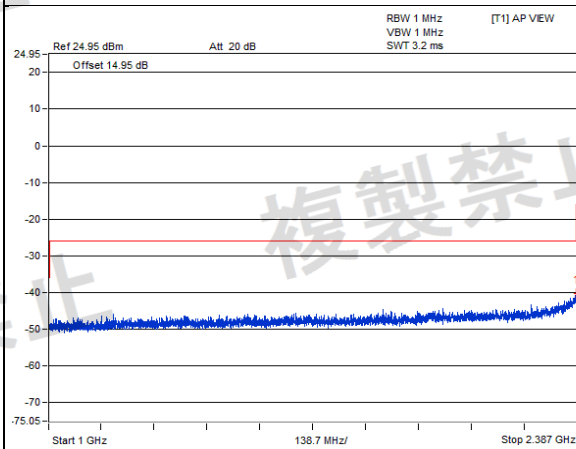
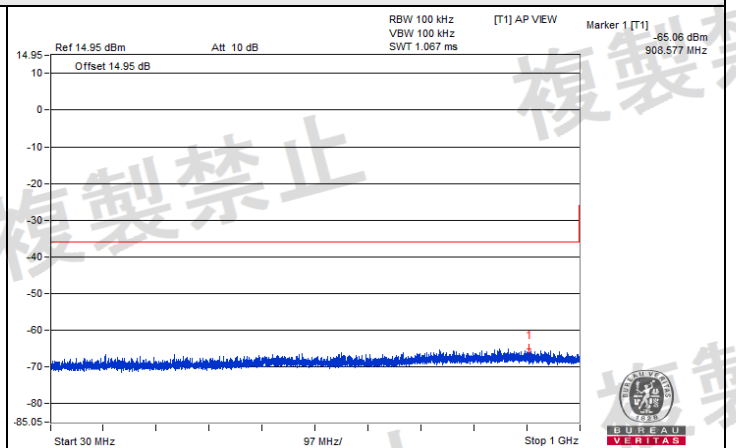
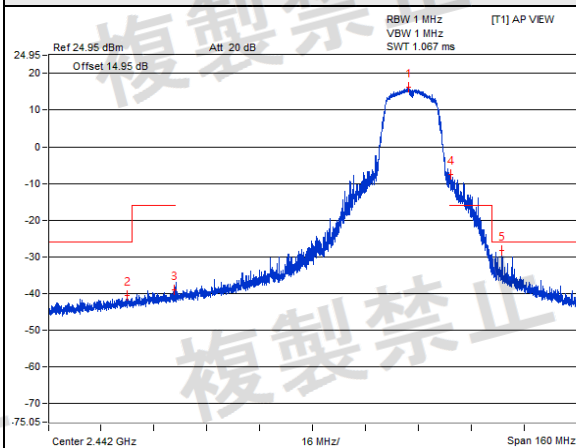
CH 7 (2442 MHz)

Vnormal



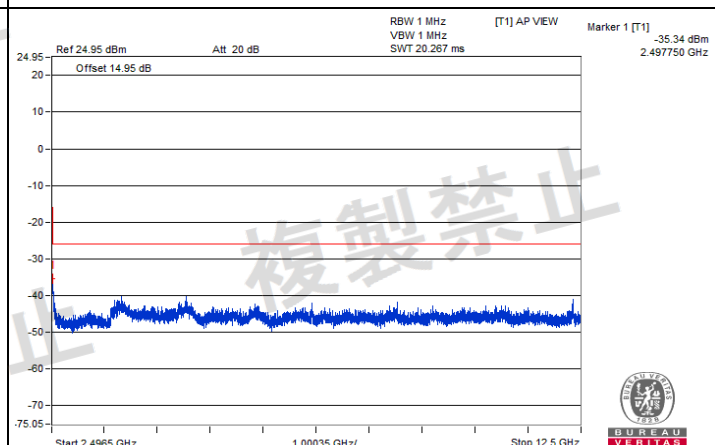
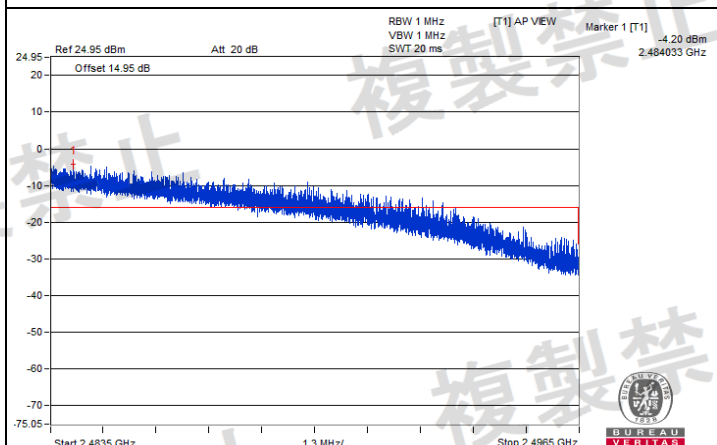
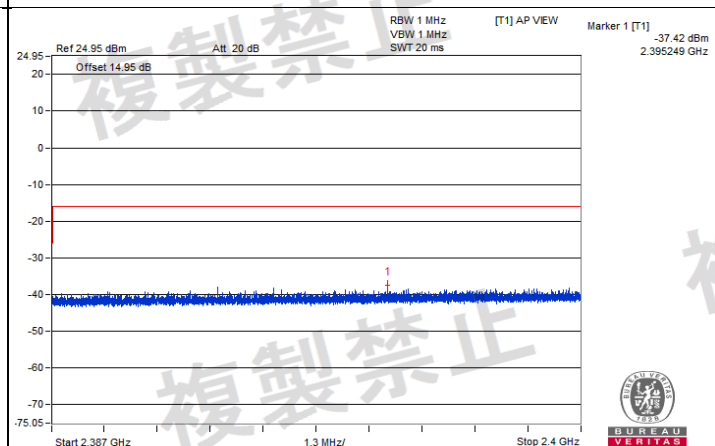
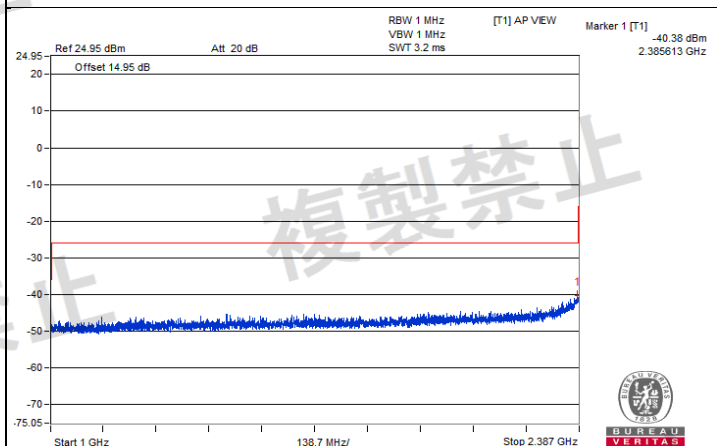
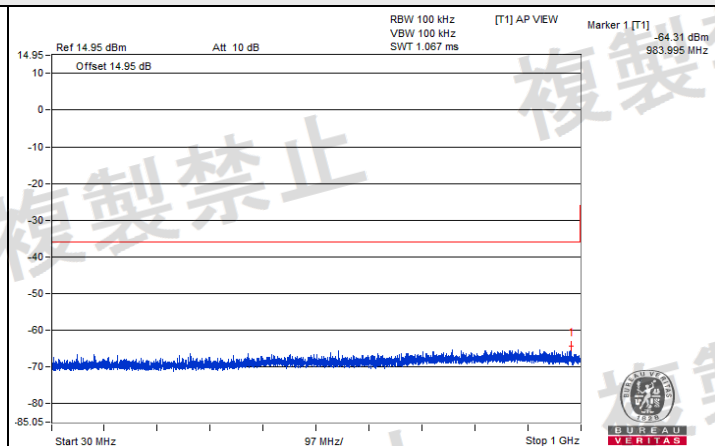
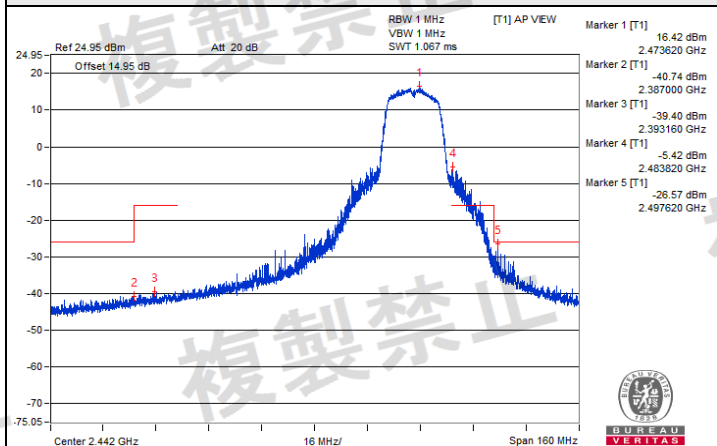
CH 13 (2472 MHz)

Vmax.



CH 13 (2472 MHz)

V_{min}.



CH 13 (2472 MHz)

802.11n (HT20)

TEST CHANNEL		CH 1 (2412 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	899.969	0.000308 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.133	0.28603 uW/MHz	2.5 uW/MHz	PASS(1)
	2387.0 to 2400.0	2399.392	9.870723 uW/MHz	25 uW/MHz	PASS(2)
	2483.5 to 2496.5	2483.731	0.437522 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3809.459	0.084528 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	870.869	0.000304 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2387.000	0.386743 uW/MHz	2.5 uW/MHz	PASS(3)
	2387.0 to 2400.0	2399.381	9.607904 uW/MHz	25 uW/MHz	PASS(4)
	2483.5 to 2496.5	2486.774	0.138995 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3858.226	0.086497 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	899.362	0.000376 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2386.827	0.33953 uW/MHz	2.5 uW/MHz	PASS(5)
	2387.0 to 2400.0	2399.331	9.333422 uW/MHz	25 uW/MHz	PASS(6)
	2483.5 to 2496.5	2483.695	0.124738 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	4912.345	0.081096 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 7 (2442 MHz)			
V_{normal}	30.0 to 1000.0	997.332	0.000317 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2383.879	0.246037 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2395.590	3.531832 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.611	0.537032 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	2500.251	0.077625 uW/MHz	2.5 uW/MHz	PASS
V_{max.}	30.0 to 1000.0	744.769	0.000335 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2380.932	0.248886 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.798	3.491403 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2483.653	0.760326 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3773.197	0.075858 uW/MHz	2.5 uW/MHz	PASS
V_{min.}	30.0 to 1000.0	890.390	0.00035 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2380.238	0.347536 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2399.802	2.722701 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2486.116	0.724436 uW/MHz	25 uW/MHz	PASS
	2496.5 to 12500.0	3863.228	0.081658 uW/MHz	2.5 uW/MHz	PASS

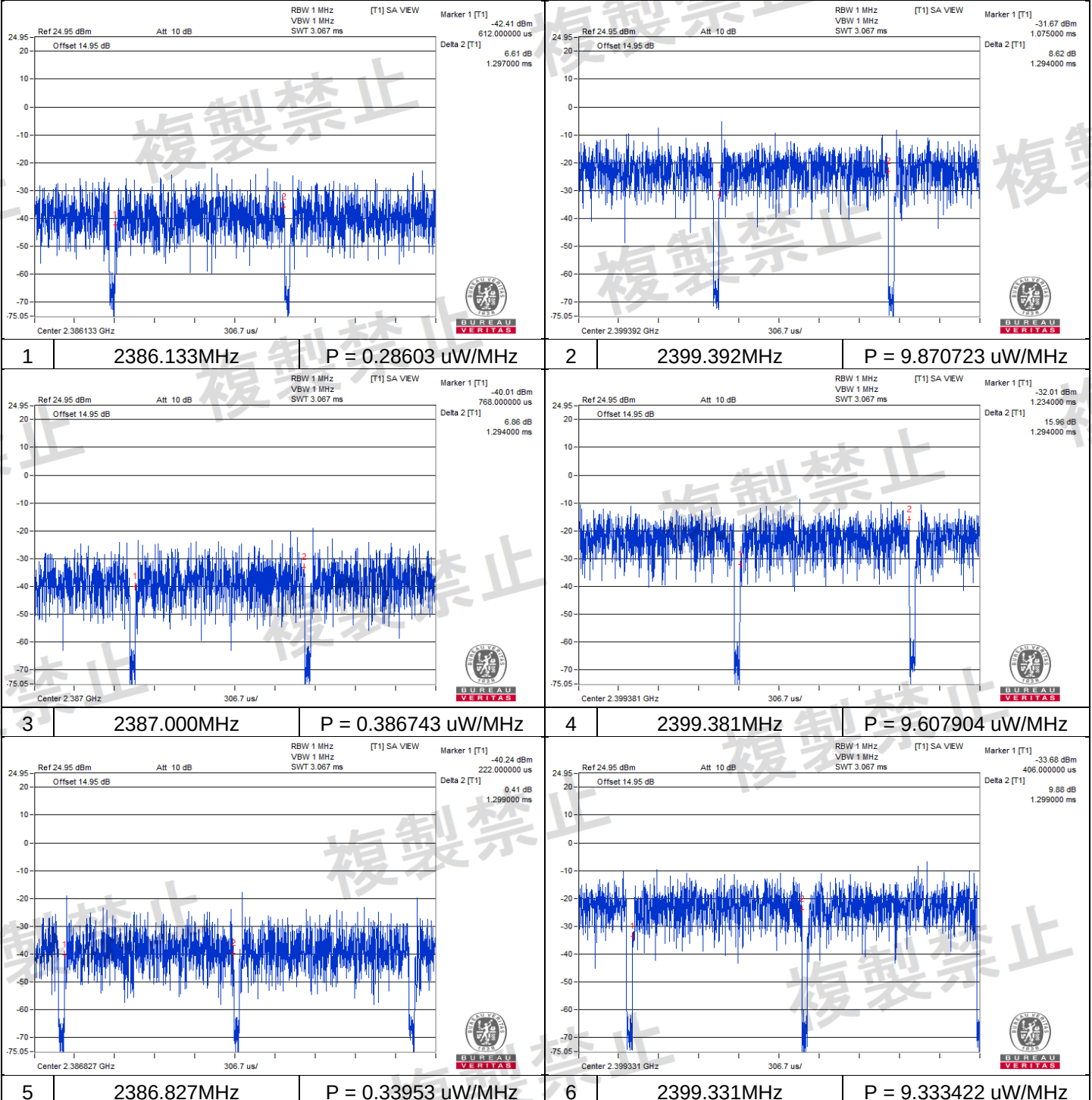


TEST CHANNEL		CH 13 (2472 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	836.919	0.000351 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2384.746	0.086696 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.299	0.176604 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.104	6.916903 uW/MHz	25 uW/MHz	PASS(7)
	2496.5 to 12500.0	2497.750	0.043122 uW/MHz	2.5 uW/MHz	PASS(8)
V_{max.}	30.0 to 1000.0	864.928	0.000301 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2387.000	0.101158 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2398.385	0.168267 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2483.526	7.605062 uW/MHz	25 uW/MHz	PASS(9)
	2496.5 to 12500.0	2497.750	0.043876 uW/MHz	2.5 uW/MHz	PASS(10)
V_{min.}	30.0 to 1000.0	916.216	0.000321 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 2387.0	2384.573	0.089743 uW/MHz	2.5 uW/MHz	PASS
	2387.0 to 2400.0	2397.314	0.160325 uW/MHz	25 uW/MHz	PASS
	2483.5 to 2496.5	2484.160	7.867233 uW/MHz	25 uW/MHz	PASS(11)
	2496.5 to 12500.0	2496.500	0.084409 uW/MHz	2.5 uW/MHz	PASS(12)

NOTE: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

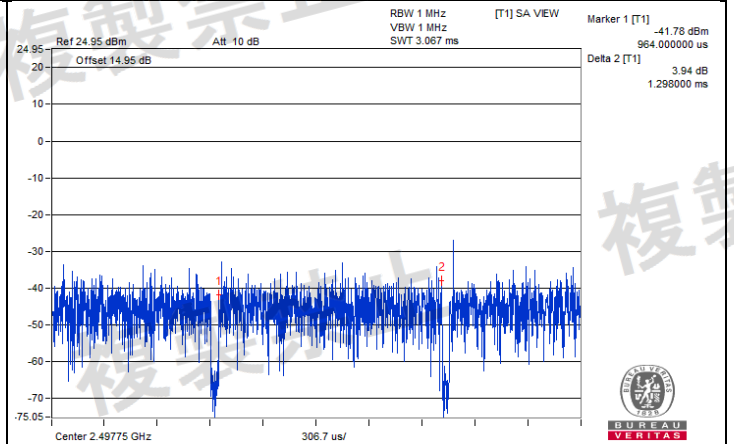
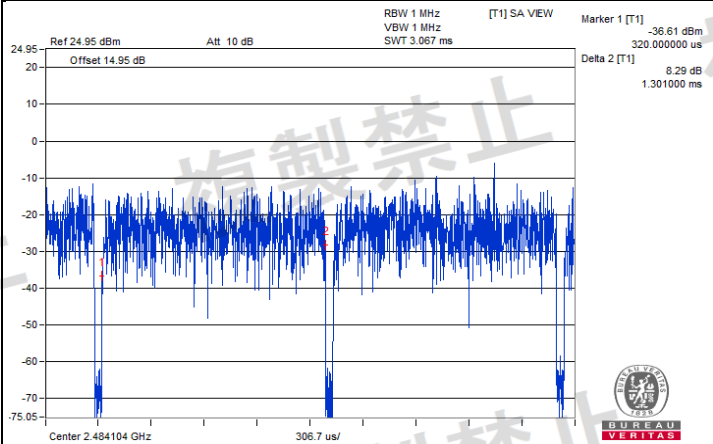
Measuring Mode *Zero Span

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



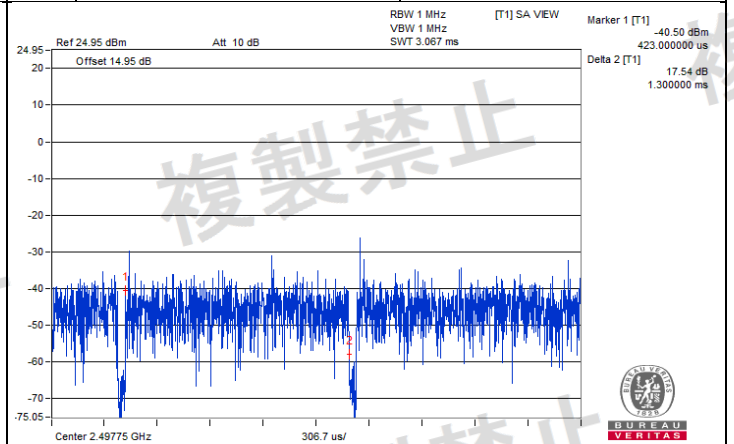
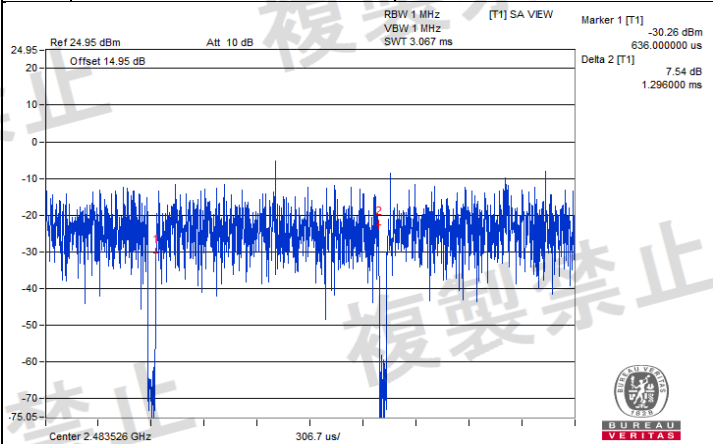
Measuring Mode *Zero Span

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



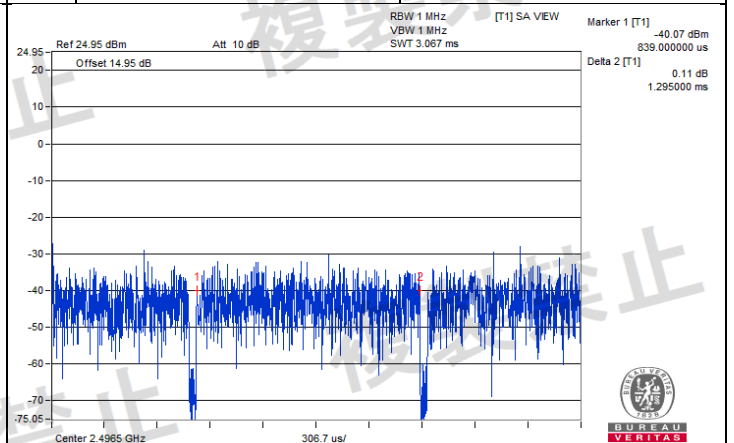
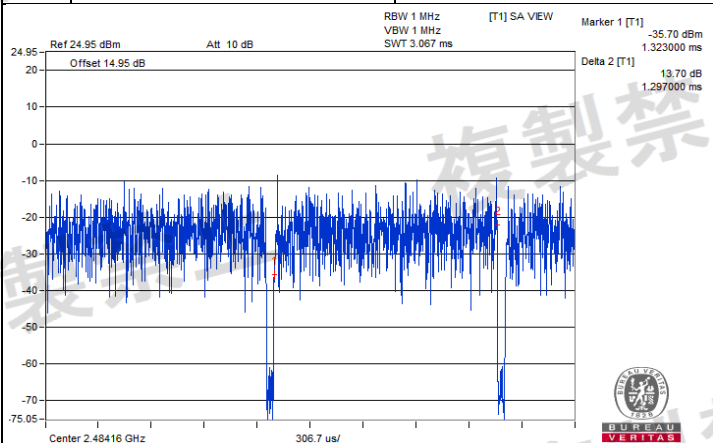
7 2484.104MHz P = 6.916903 uW/MHz

8 2497.750MHz P = 0.043122 uW/MHz



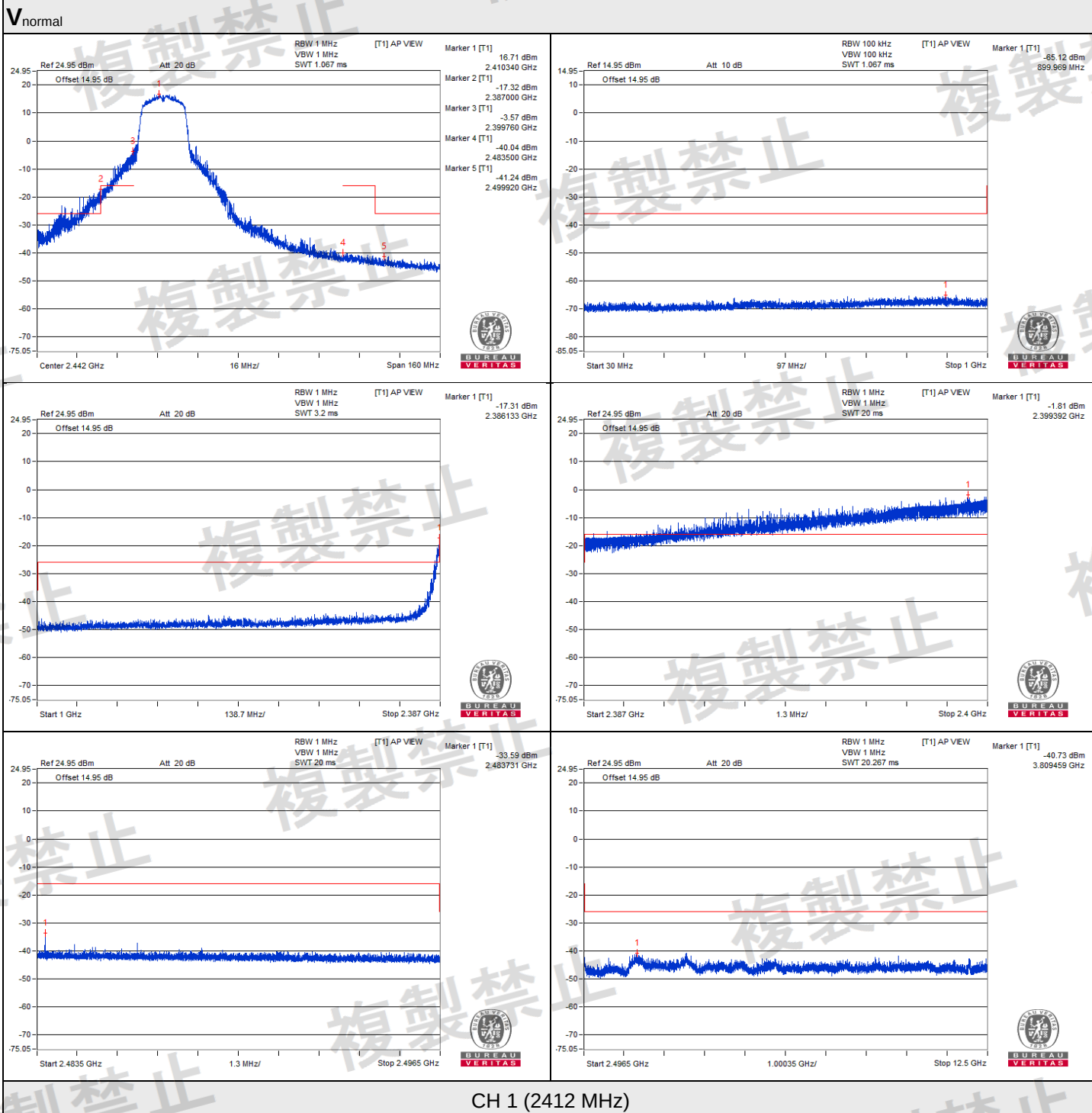
9 2483.526MHz P = 7.605062 uW/MHz

10 2497.750MHz P = 0.043876 uW/MHz

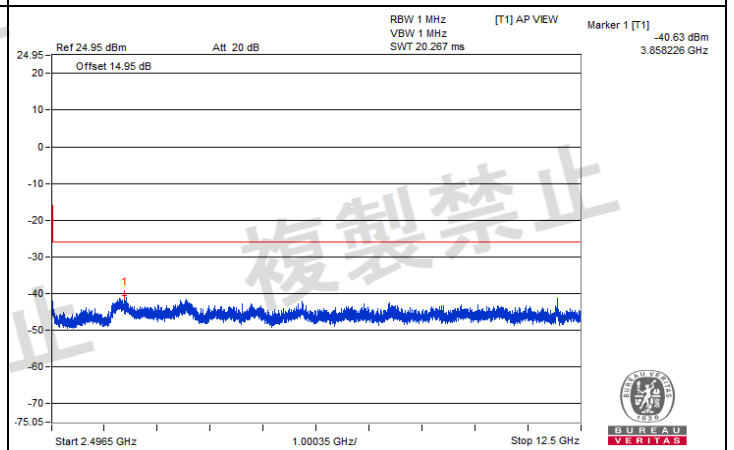
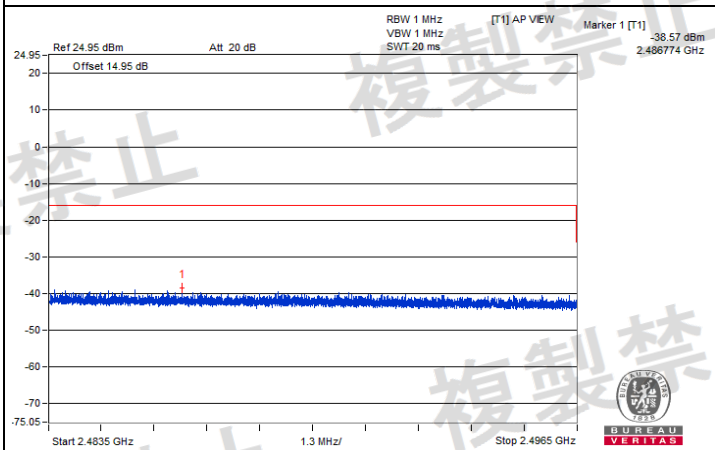
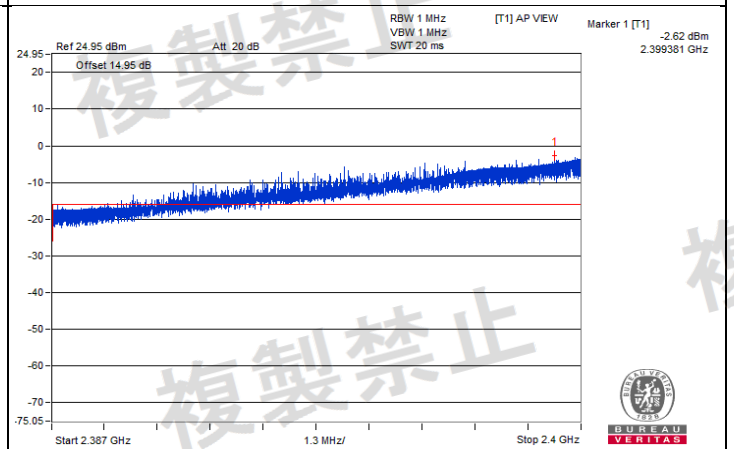
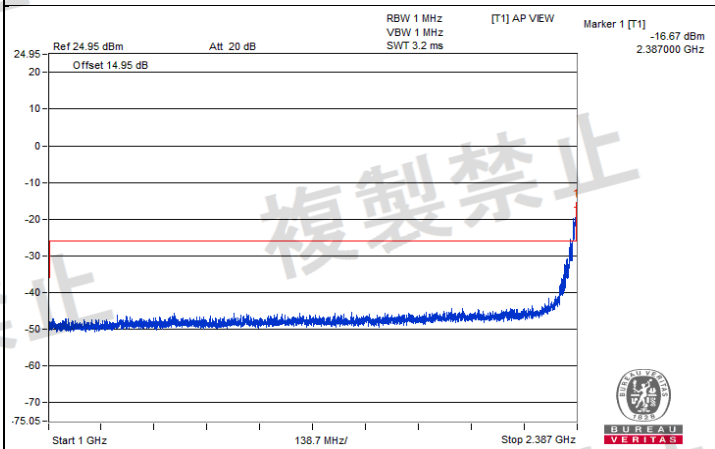
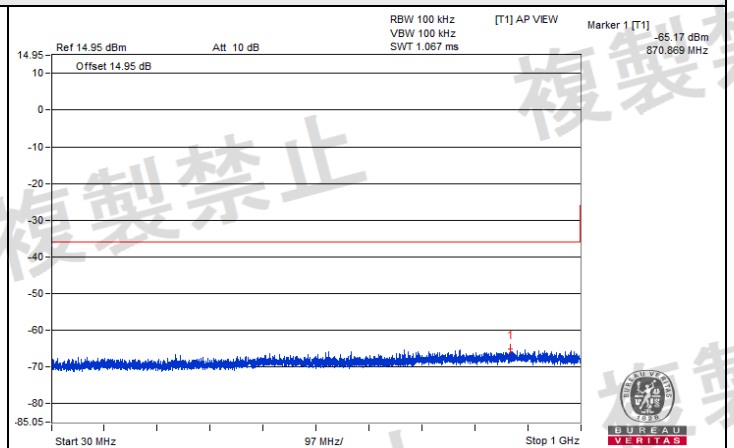
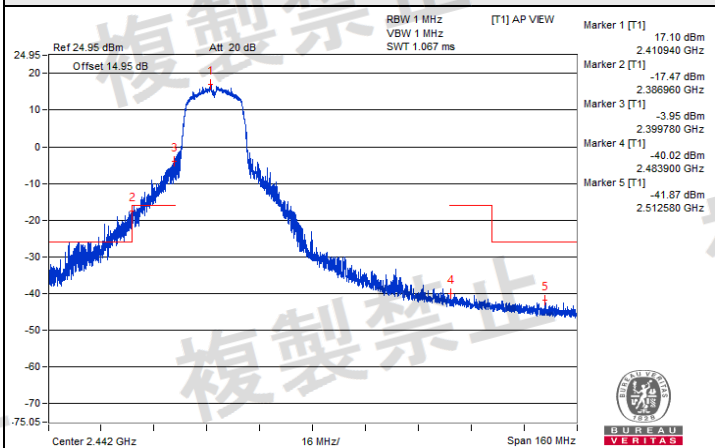


11 2484.160MHz P = 7.867233 uW/MHz

12 2496.500MHz P = 0.084409 uW/MHz

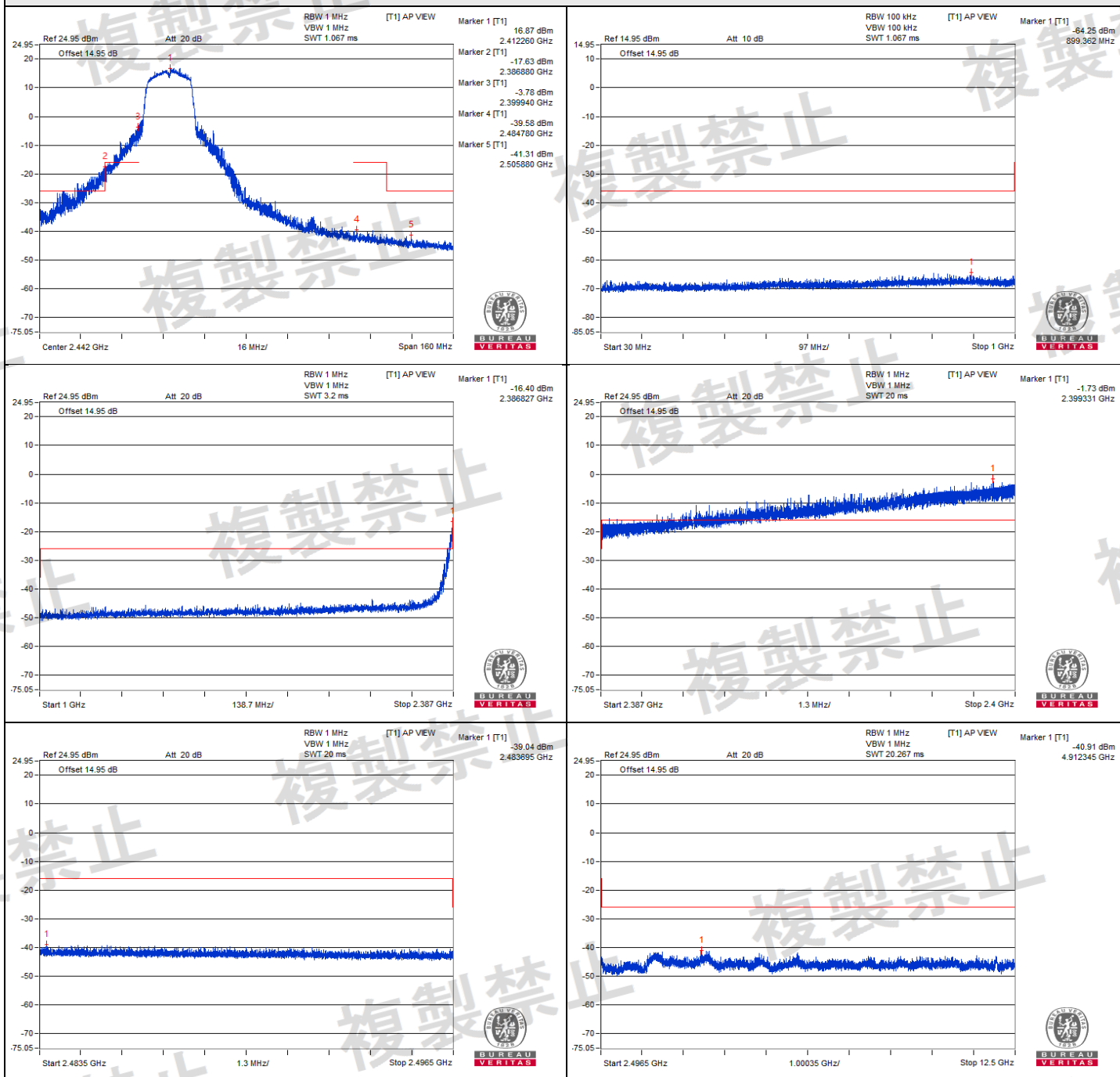


Vmax.

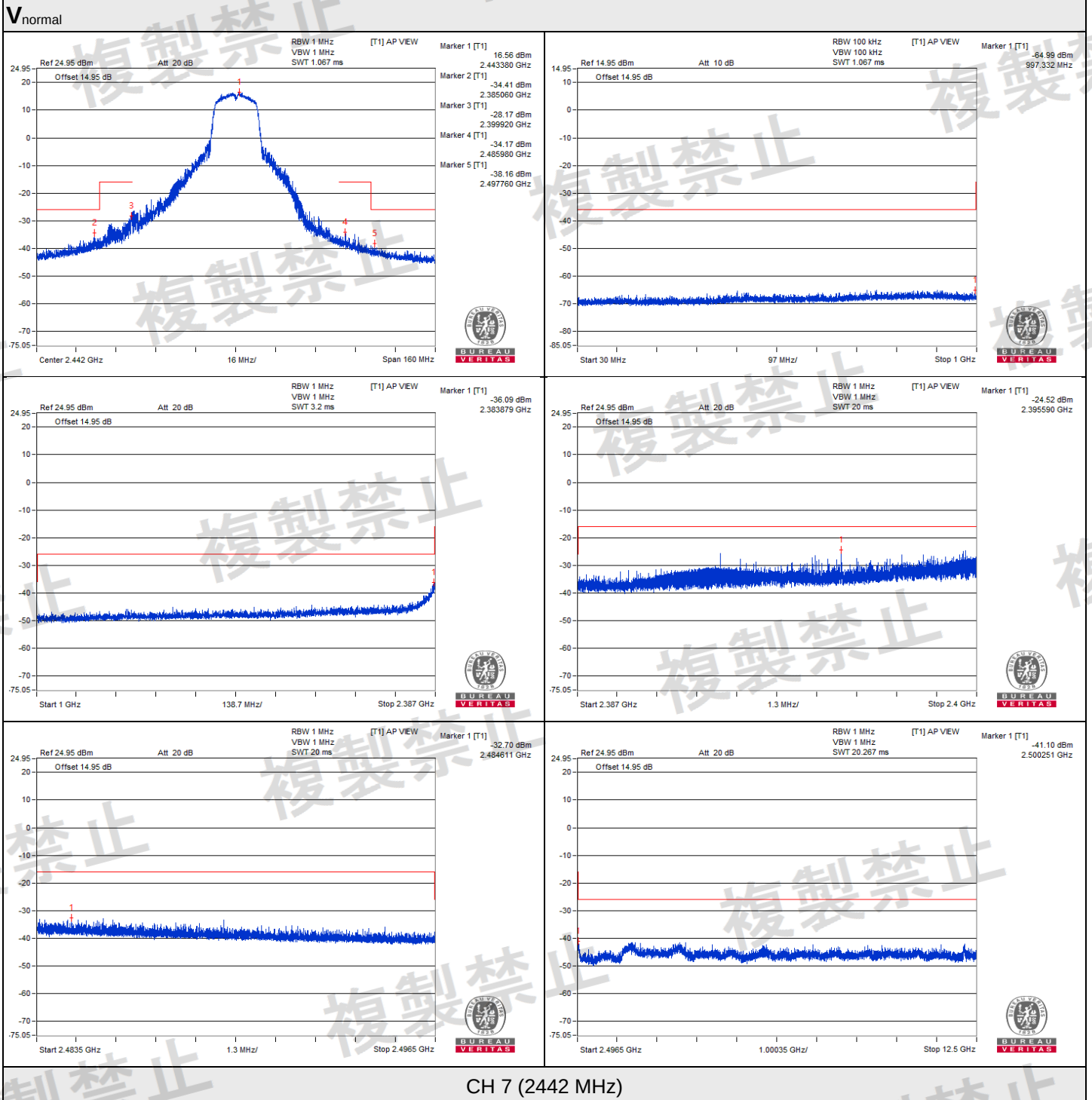


CH 1 (2412 MHz)

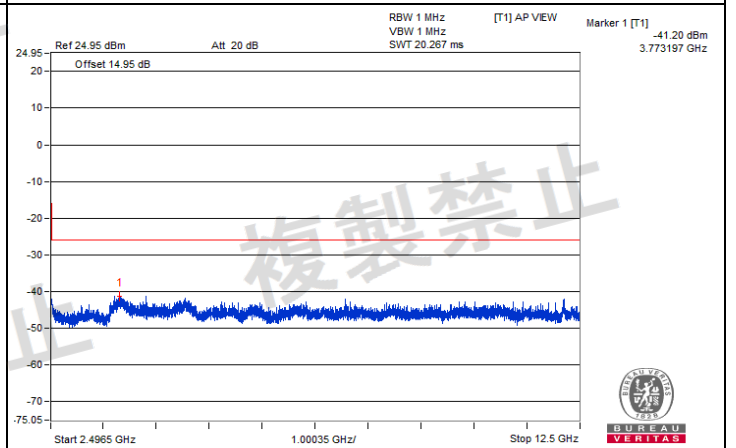
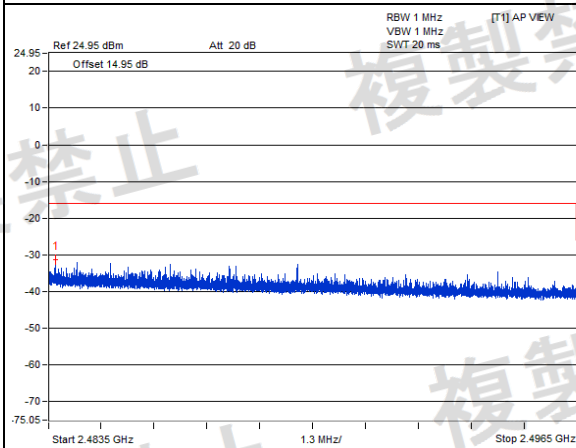
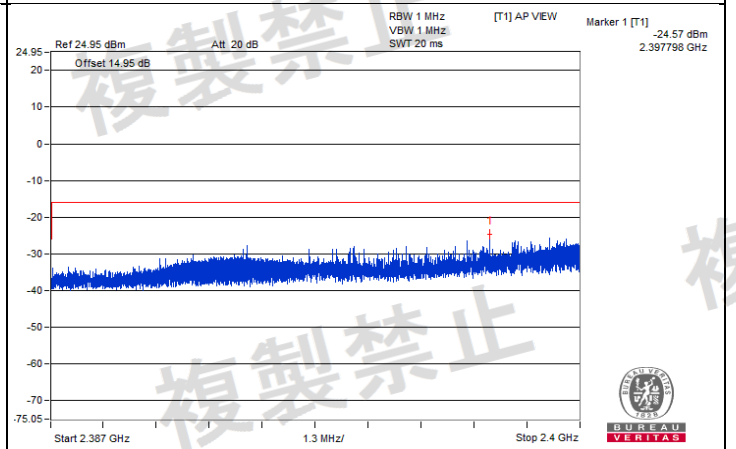
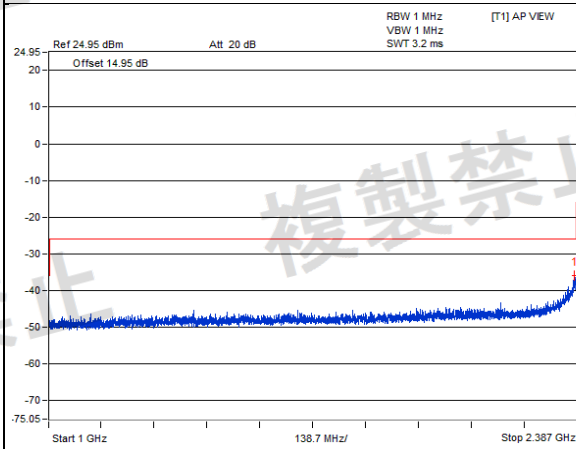
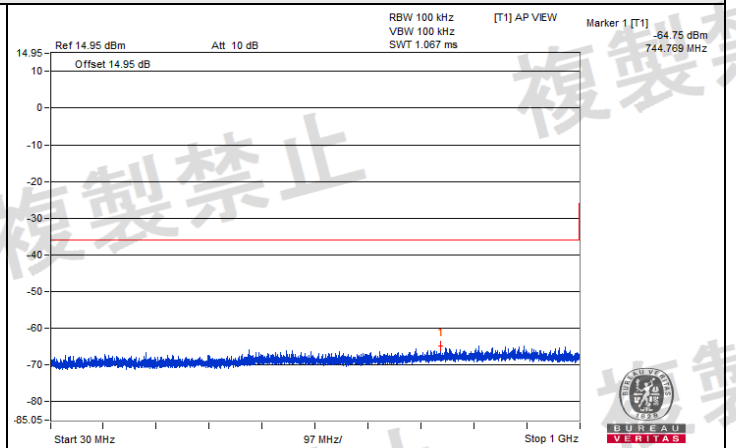
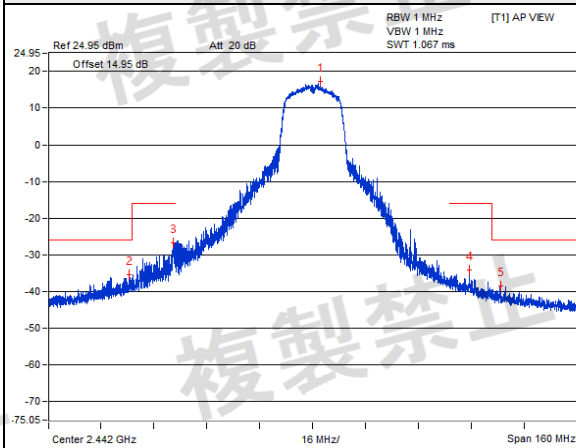
Vmin.



CH 1 (2412 MHz)

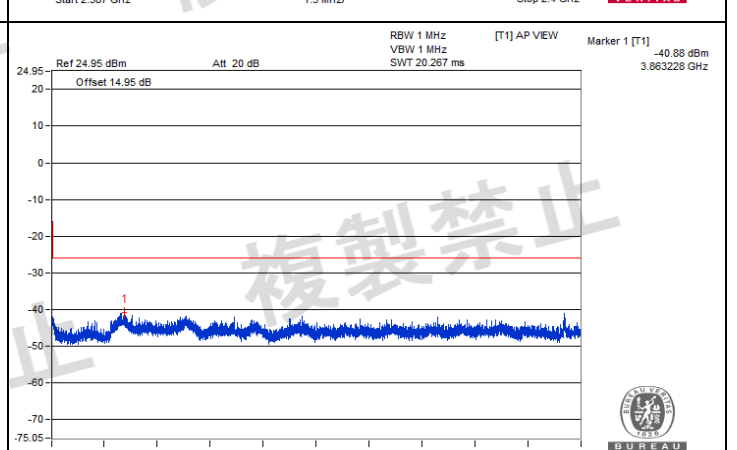
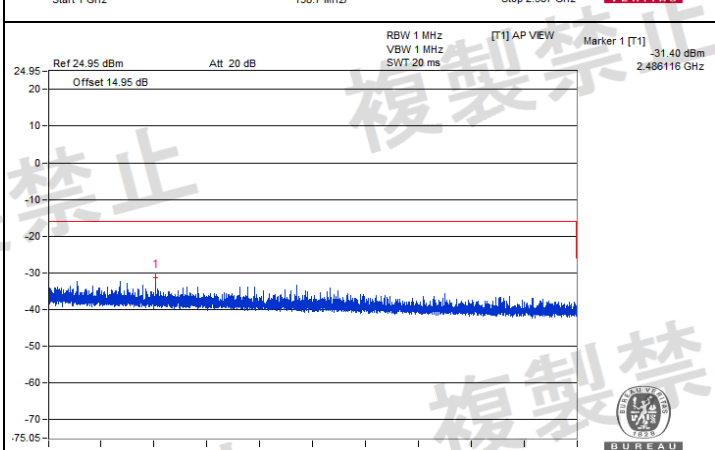
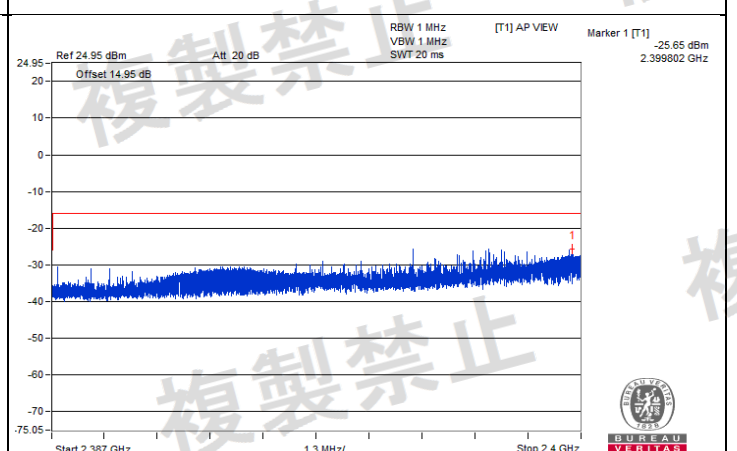
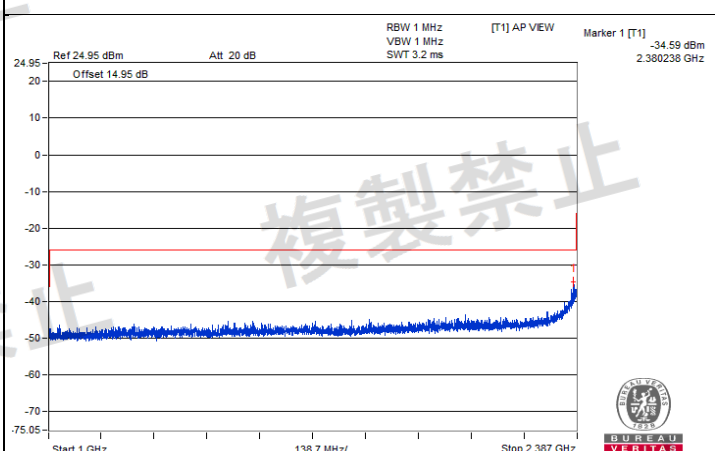
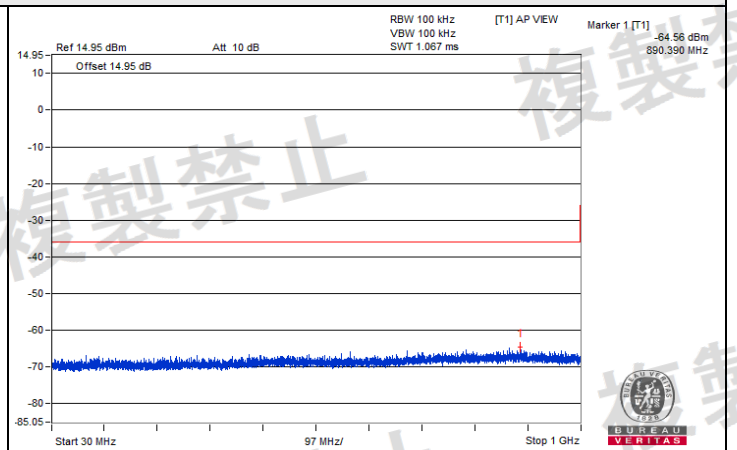
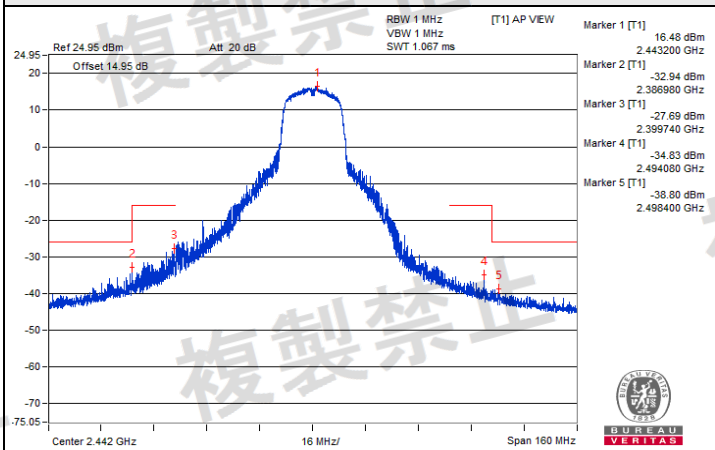


Vmax.



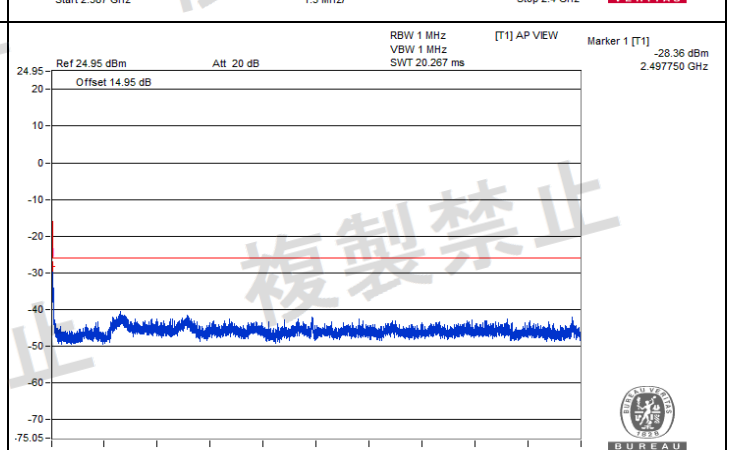
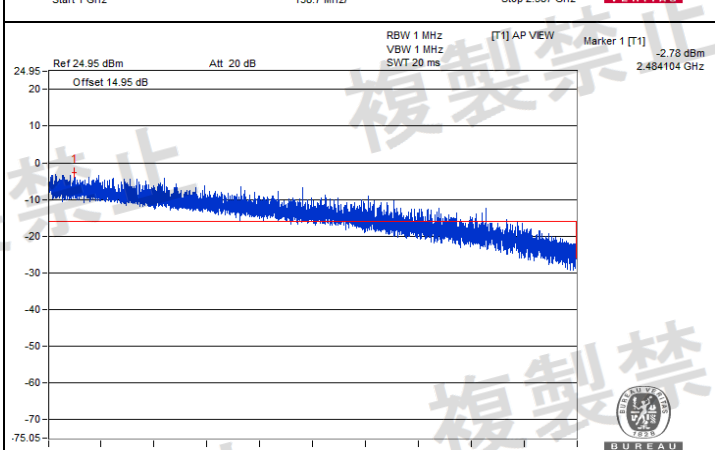
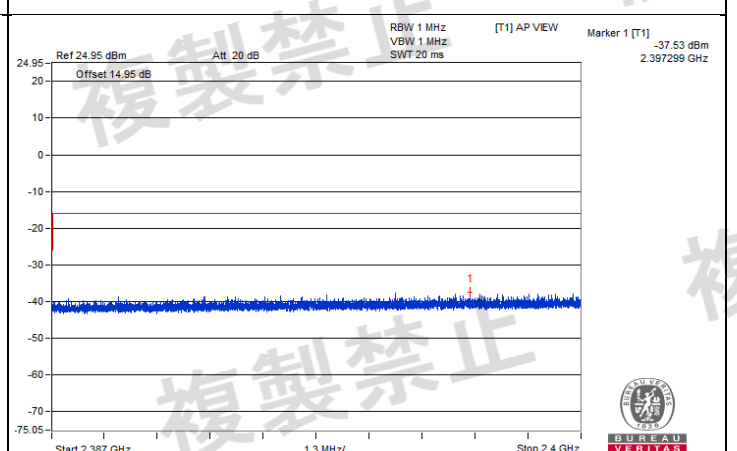
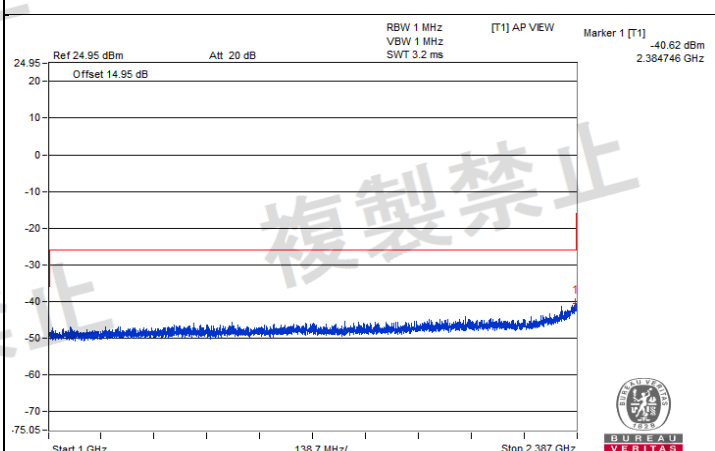
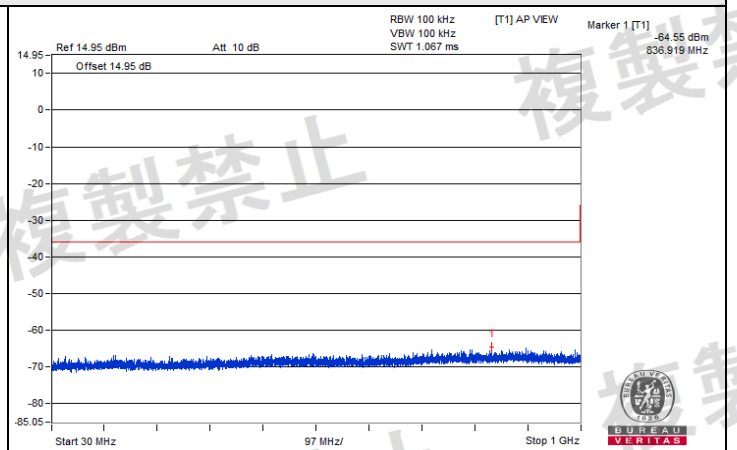
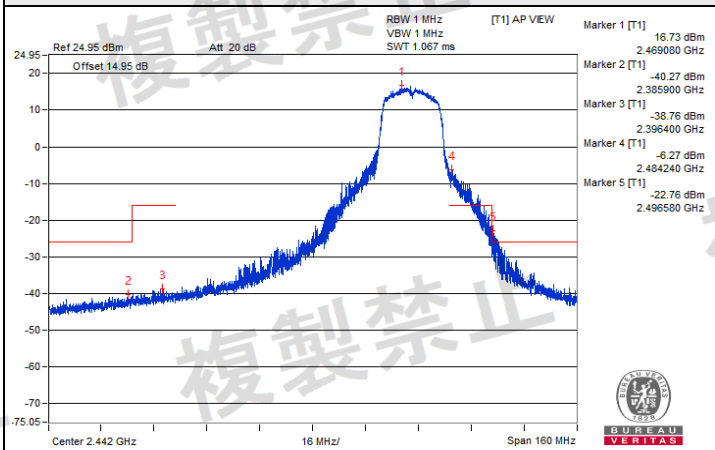
CH 7 (2442 MHz)

V_{min}.

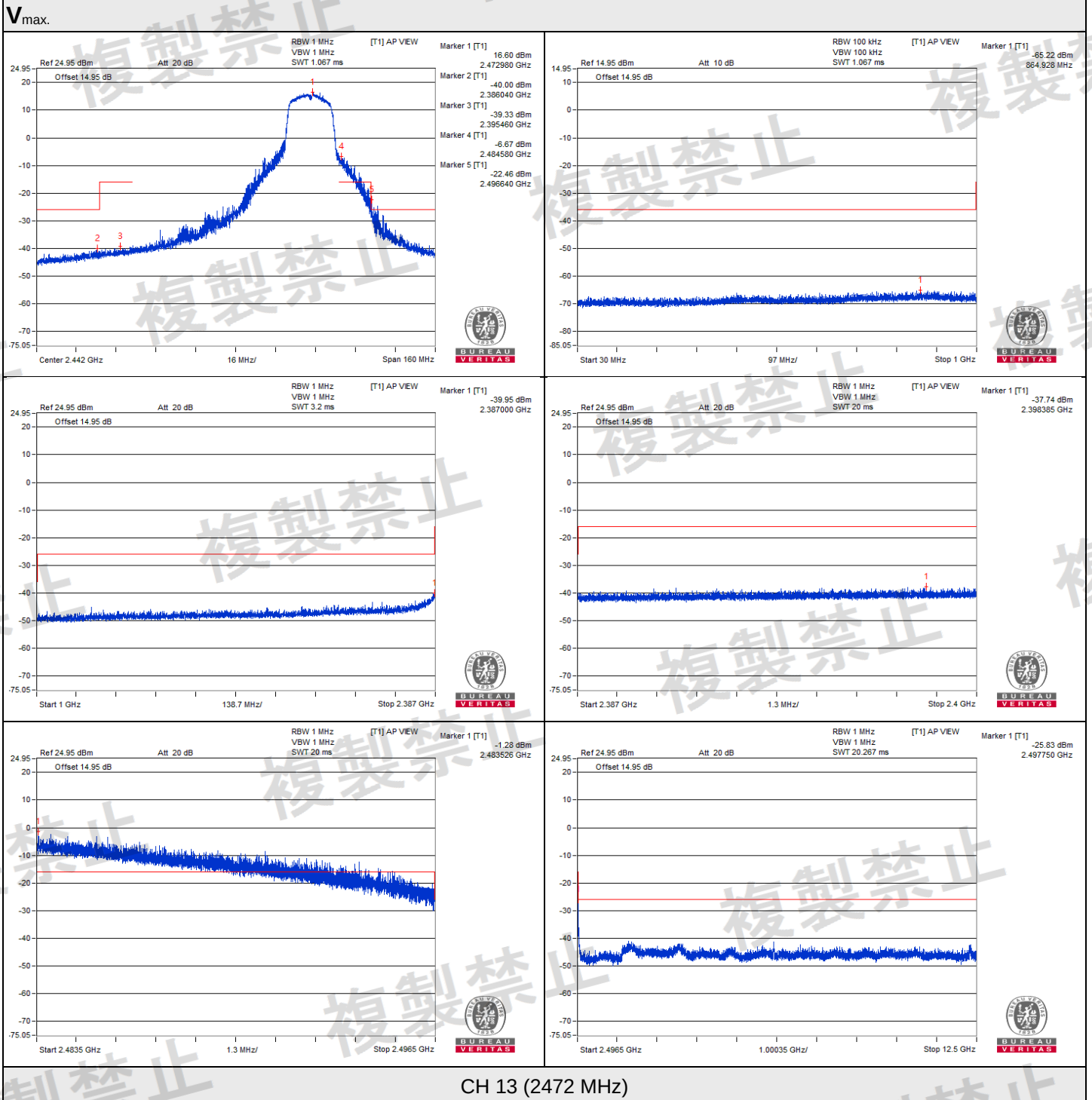


CH 7 (2442 MHz)

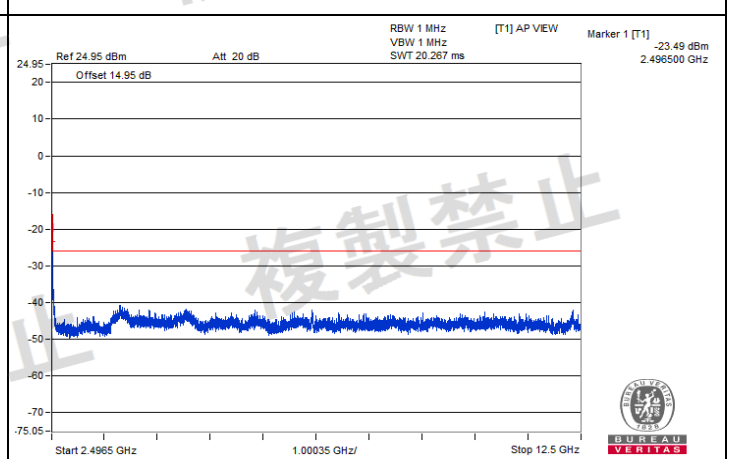
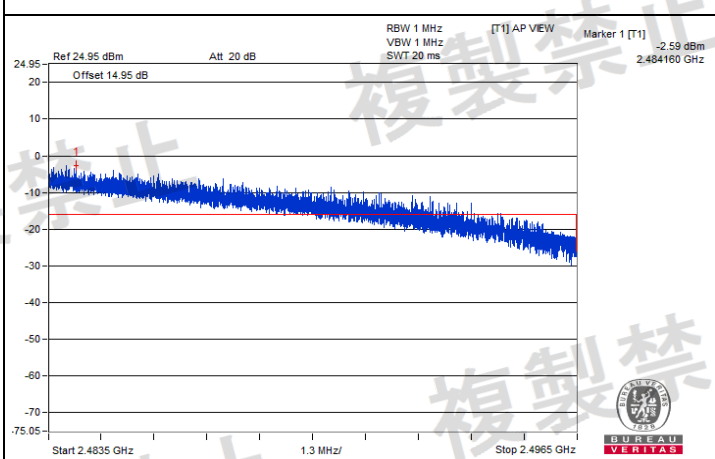
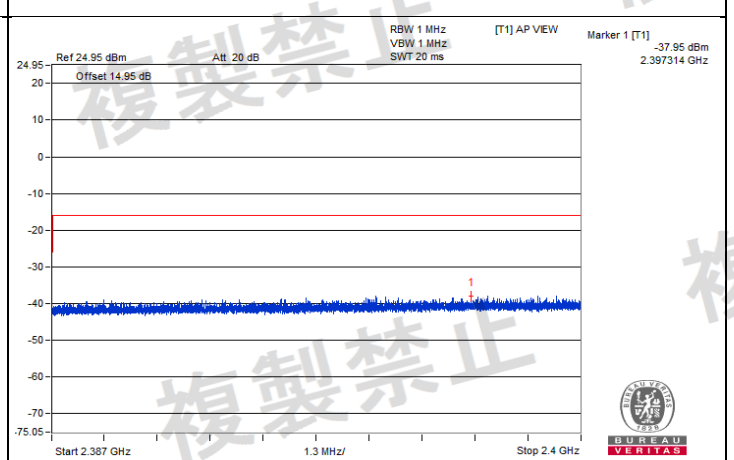
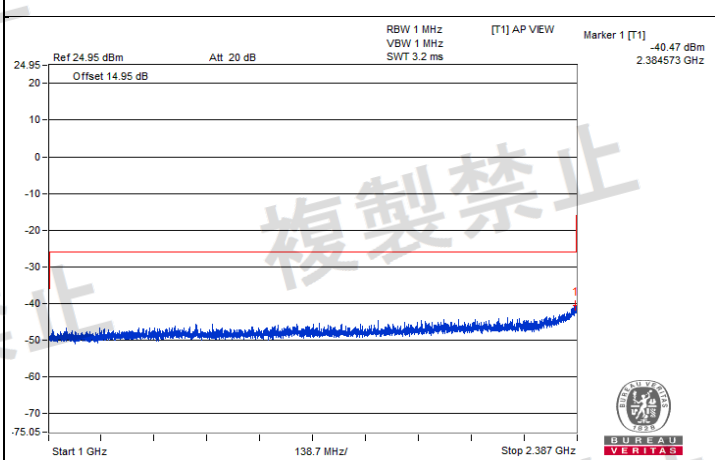
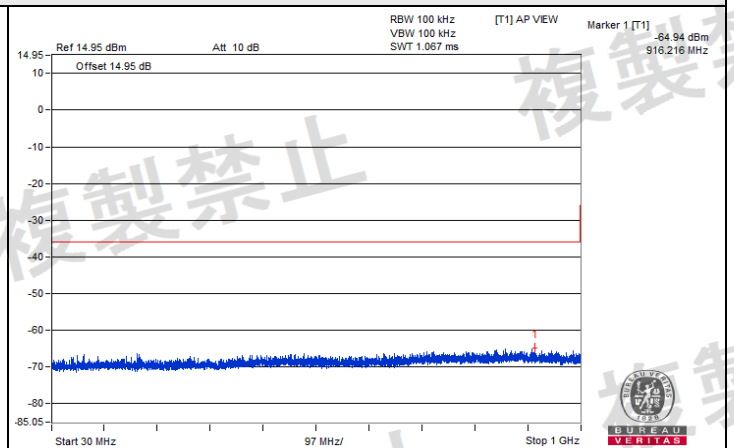
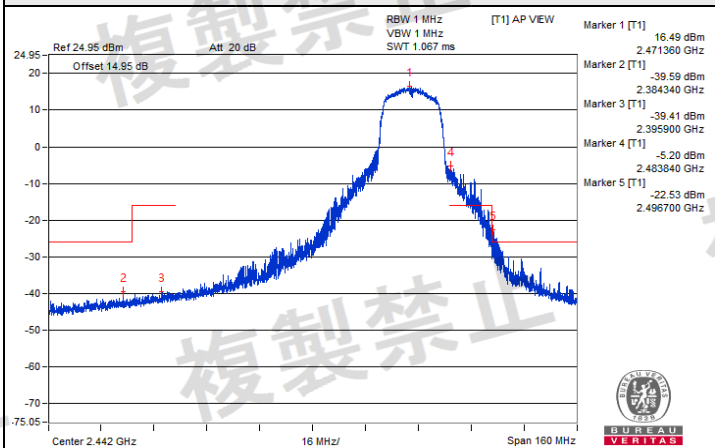
Vnormal



CH 13 (2472 MHz)



V_{min}.



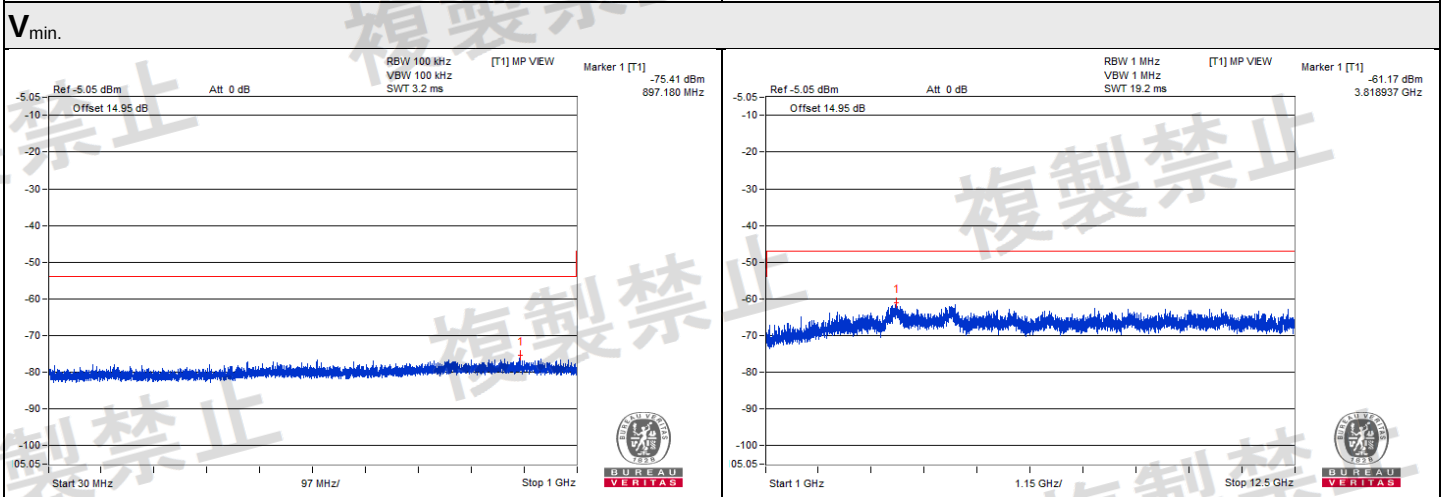
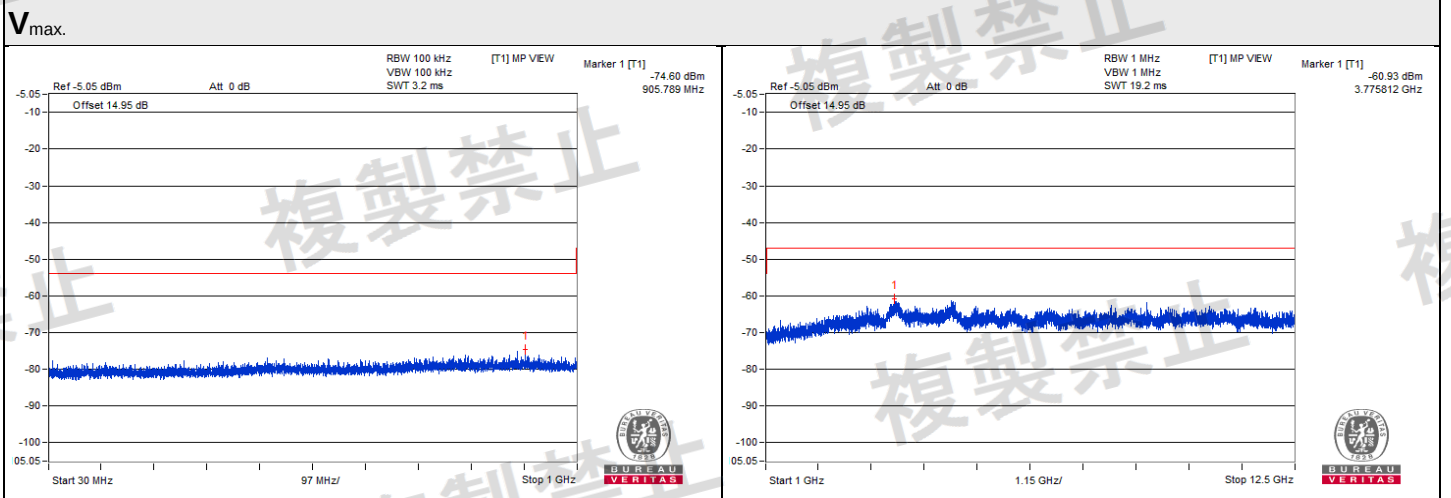
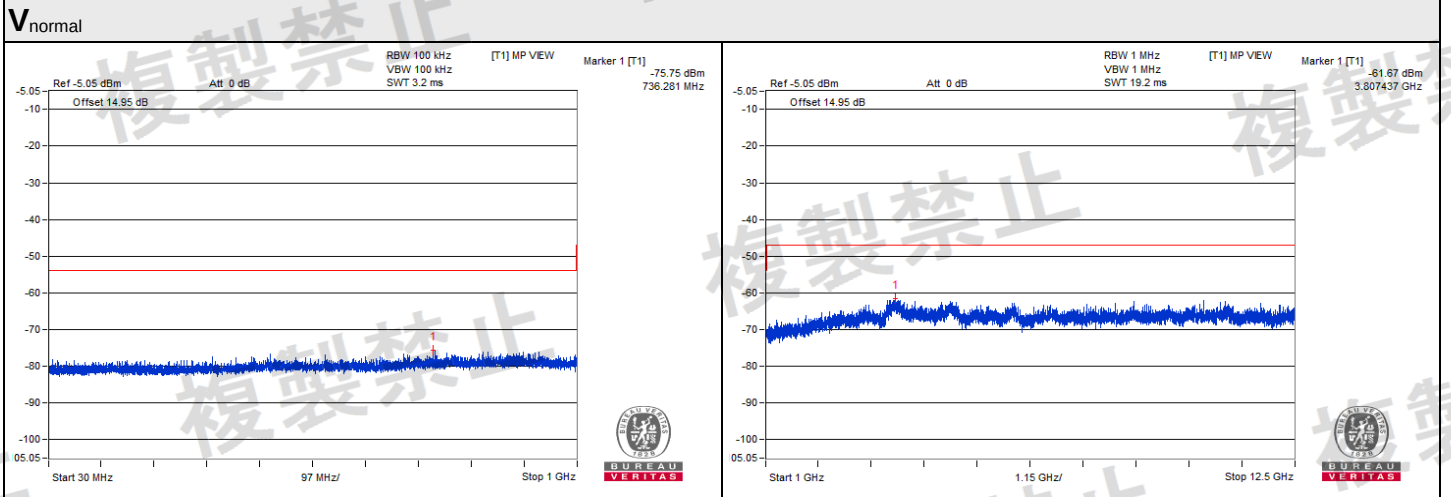
CH 13 (2472 MHz)

7.4 Spurious Emissions of Receiver

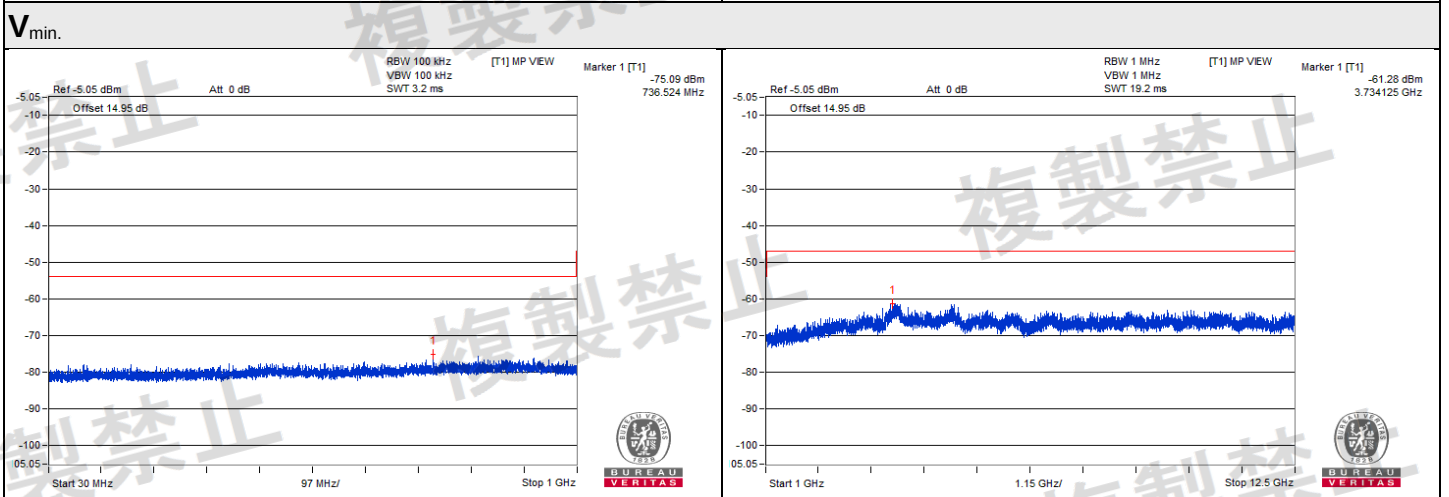
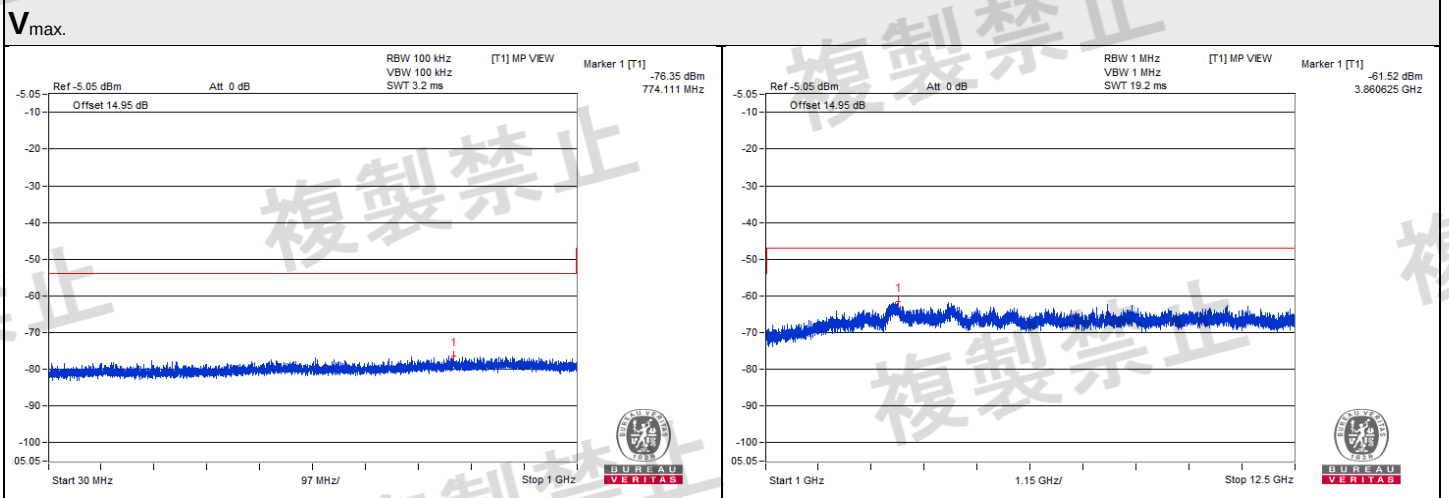
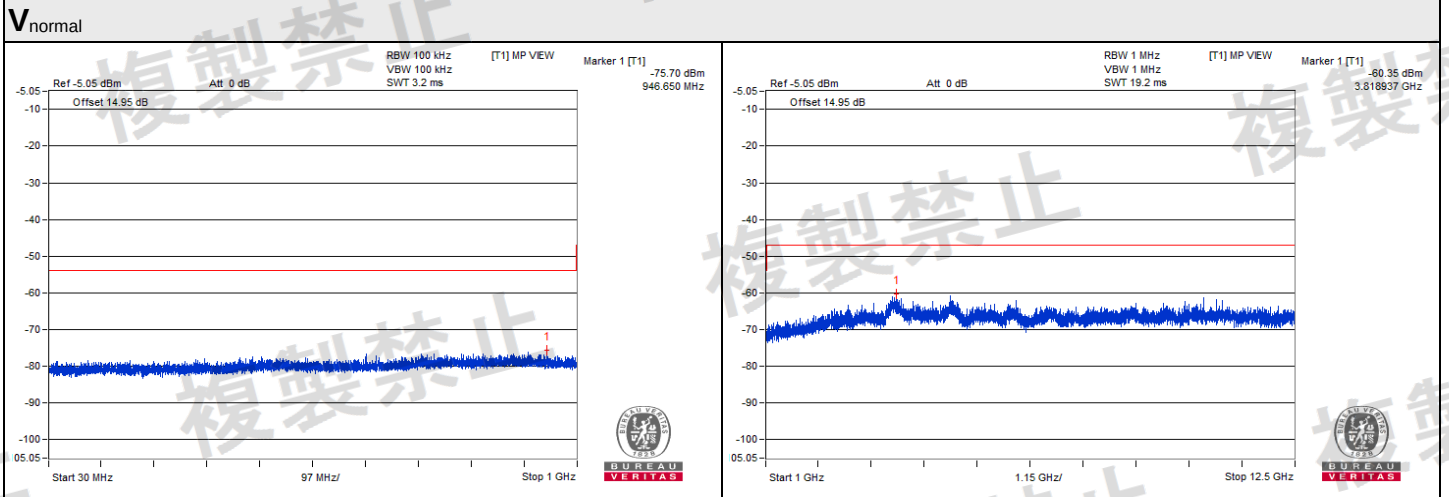
Environmental Conditions:	25°C, 60% RH	Tested By:	Bella
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20 MHz System:

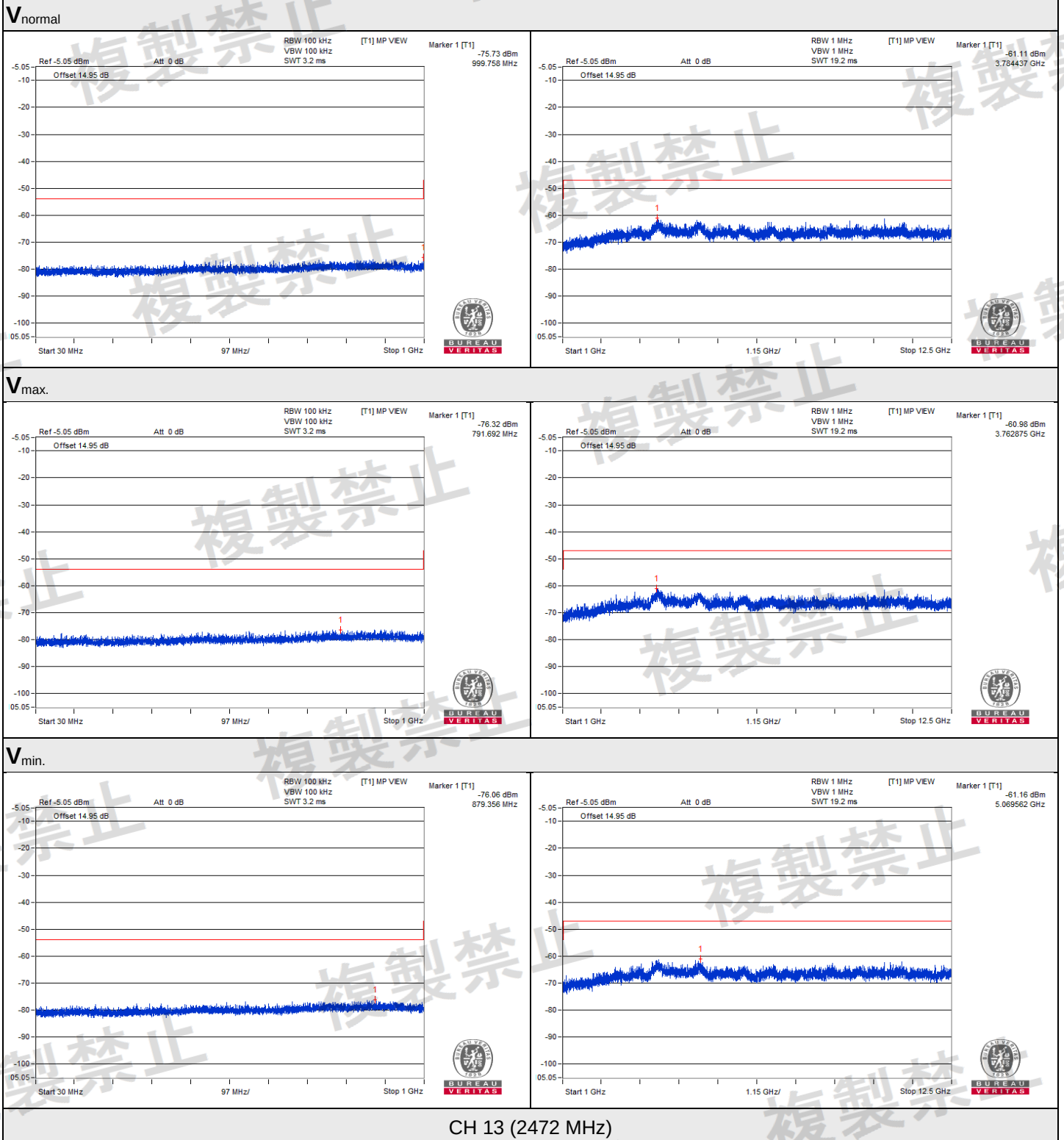
TEST CHANNEL		CH 1 (2412 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	736.281	0.026607	4	PASS
	1000.0 to 12500.0	3807.437	0.680769	20	PASS
V_{max.}	30.0 to 1000.0	905.789	0.034674	4	PASS
	1000.0 to 12500.0	3775.812	0.807235	20	PASS
V_{min.}	30.0 to 1000.0	897.180	0.028774	4	PASS
	1000.0 to 12500.0	3818.937	0.763836	20	PASS
TEST CHANNEL		CH 7 (2442 MHz)			
V_{normal}	30.0 to 1000.0	946.650	0.026915	4	PASS
	1000.0 to 12500.0	3818.937	0.922571	20	PASS
V_{max.}	30.0 to 1000.0	774.111	0.023174	4	PASS
	1000.0 to 12500.0	3860.625	0.704693	20	PASS
V_{min.}	30.0 to 1000.0	736.524	0.030974	4	PASS
	1000.0 to 12500.0	3734.125	0.744732	20	PASS
TEST CHANNEL		CH 13 (2472 MHz)			
V_{normal}	30.0 to 1000.0	999.758	0.02673	4	PASS
	1000.0 to 12500.0	3784.437	0.774462	20	PASS
V_{max.}	30.0 to 1000.0	791.692	0.023335	4	PASS
	1000.0 to 12500.0	3762.875	0.797995	20	PASS
V_{min.}	30.0 to 1000.0	879.356	0.024774	4	PASS
	1000.0 to 12500.0	5069.562	0.765597	20	PASS
NOTE: 1. The spectrum plots are attached on the following pages.					



CH 1 (2412 MHz)



CH 7 (2442 MHz)



7.5 Antenna Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Bella Yeh
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802.11b

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)	Radiated RF Output Power Density (mW/MHz)
5	1	2412	5.958	14.659
	7	2442	5.999	14.76
	13	2472	5.796	14.26
5.5	1	2412	5.796	14.26
	7	2442	5.863	14.425
	13	2472	5.822	14.324
4.5	1	2412	5.917	14.558
	7	2442	5.999	14.76
	13	2472	5.999	14.76
Maximum Limit (mW/MHz):			10	-
Rated Power (mW/MHz):			6.6	-
Maximum Tolerance of Antenna Power (mW/MHz):			7.92	-
Maximum EIRP Limit (mW/MHz):			-	16.368

Notes:

1. Antenna gain is 3.91 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11g

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)	Radiated RF Output Power Density (mW/MHz)
5	1	2412	5.573	13.712
	7	2442	5.677	13.968
	13	2472	5.599	13.776
5.5	1	2412	5.796	14.26
	7	2442	5.547	13.648
	13	2472	5.638	13.872
4.5	1	2412	5.384	13.247
	7	2442	5.822	14.324
	13	2472	5.421	13.338
Maximum Limit (mW/MHz):			10	-
Rated Power (mW/MHz):			6.1	-
Maximum Tolerance of Antenna Power (mW/MHz):			7.32	-
Maximum EIRP Limit (mW/MHz):			-	16.368

Notes:

1. Antenna gain is 3.91 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11n (HT20)

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)	Radiated RF Output Power Density (mW/MHz)
5	1	2412	5.89	14.492
	7	2442	5.796	14.26
	13	2472	5.863	14.425
5.5	1	2412	5.56	13.68
	7	2442	6.027	14.829
	13	2472	5.769	14.194
4.5	1	2412	5.497	13.525
	7	2442	5.999	14.76
	13	2472	5.903	14.524
Maximum Limit (mW/MHz):			10	-
Rated Power (mW/MHz):			6.1	-
Maximum Tolerance of Antenna Power (mW/MHz):			7.32	-
Maximum EIRP Limit (mW/MHz):			-	16.368

Notes:

1. Antenna gain is 3.91 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

7.6 Number of Carriers within 1 MHz Bandwidth in OFDM

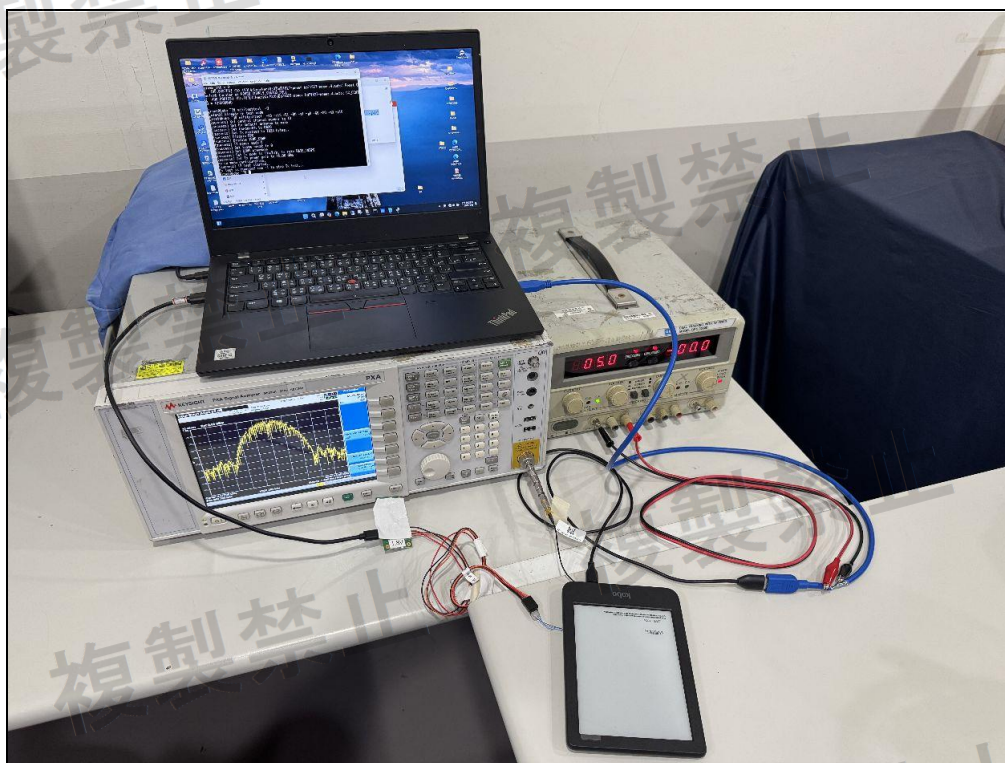
Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Cheng
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About OFDM Technical, one OFDM Channel will have 52 sub-carriers. At present, we observe this product via the spectrum, and we know that there are 3 carriers in 1 MHz bandwidth in OFDM.

7.7 Interference Prevention Function

Environmental Conditions:	25°C, 60% RH	Tested By:	Bella Yeh
Link Mode		Test Result	
WiFi 2.4GHz		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

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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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