

Radio Test Report (GFSK)

Report No.: RJBDKG-WTW-P22050065

Test Model: MR0099

Received Date: 2022/5/3

Test Date: 2022/5/19

Issued Date: 2022/6/21

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



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Release Control Record

Issue No.	Description	Date Issued
RJBKKG-WTW-P22050065	Original release.	2022/6/21

1 Certificate of Conformity

Product: Wireless Mouse

Brand: Logicool

Test Model: MR0099

Sample Status: Engineering sample

Applicant: LOGITECH FAR EAST LTD.

Test Date: 2022/5/19

Standards: ARIB STD-T66 (V3.7), MIC notice 88 Appendix 43
Certification Ordinance Article 2-1-19

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 EMC characteristics under the conditions specified in this report.

Prepared by :


Claire Kuan / Specialist

Date:

2022/6/21

Approved by :


May Chen / Manager

Date:

2022/6/21

2 Summary of Test Results

The EUT has been tested according to the following specifications:

Notice 88 Appendix 43 Reference	ARIB STD- T66 Ref.	Report Reference	Parameter	Test Results (Note)
General Provisions				
C	3.2 (4)	4.1	Frequency tolerance	C
D	3.2 (7)	4.2	Occupied bandwidth	C
E	3.2 (6)	4.3	Spurious emissions	C
Transmitting Equipment				
F	--	4.4	Antenna power	C
--	--	--	SAR	NA
Transmitting Antenna				
--	--	3.5	Type, configuration, etc. of transmitting antenna	C
--	--	3.5	Direction pattern of transmitting antenna	C
Receiving Equipment				
G	3.3 (1)	4.5	Spurious emissions of receiver	C
--	--	3.5	Refer to all articles for transmitting antenna	C
Operating Frequency 2400 to 2483.5MHz				
--	3.7-1	3.4	High frequency / modulation section cannot be opened easily	C
--	3.1 (1)	3.1	Communication method	C
--	3.2 (1)a	3.1	Modulation method	C
--	3.2 (1)a	3.1	Spread spectrum method	C
--	3.2 (2)	4.4	Antenna power	C
--	3.6 (2)	4.4	Absolute gain of transmitting antenna	C
--	3.6 (2)	--	Angular width of principal radiation (AWPR)	NA
--	3.2 (10)	--	Number of carriers within 1 MHz bandwidth in OFDM	NA
--	3.2 (8)	--	Spreading bandwidth	NA
--	3.2 (9)	--	Spreading factor	NA
--	3.2 (11)	--	Frequency retention time (FH employed)	NA
--	3.4.1 (1)	4.6	Interference Prevention Function	C
--	3.4.1 (3)	--	Carrier Sense Capability	NA

Note: 1. C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable

2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Test Instruments

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Spectrum Analyzer R&S	FSV40	101516	2022/3/7	2023/3/6	ETC	(c)
ESG Vector signal generator Agilent	E4438C	MY45094468	2021/11/21	2022/11/20	ETC	(c)
Power Meter Anritsu	ML2495A	1529002	2021/6/21	2022/6/20	ETC	(c)
Pulse Power Sensor Anritsu	MA2411B	1339443	2021/5/31	2022/5/30	ETC	(c)
DC POWER SUPPLY Topward	6603D	795558	Note 3	Note 3	BV CPS E&E	(d)
AC Power Source GOOD WILL	6905S	1991551	Note 3	Note 3	BV CPS E&E	(d)
True RMS Clamp Meter Fluke	325	31130711WS	2021/6/2	2022/6/1	ETC	(c)

- Note:**
- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 - 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 digital multimeter to verify before each testing.
 - Tested Date: 2022/5/19

2.2 Measurement Uncertainty

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

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Parameter	Uncertainty
Occupied Bandwidth	± 790 Hz
Spurious emissions	± 2.5 dB
Output power density	± 1.2 dB
Out of band radiated power	± 2.5 dB
Frequency Tolerance	± 790 Hz

2.3 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (GFSK)

Product	Wireless Mouse
Brand	Logicool
Test Model	MR0099
Status of EUT	Engineering sample
Nominal Voltage	1.5Vdc from battery
Modulation Type	GFSK
Modulation Technology	DTS
Transfer Rate	Up to 2 Mbps
Operating Frequency	2405 ~ 2474 MHz
Number of Channel	70
Rated RF Output Power	4 mW
Conducted RF Output Power	3.041 mW
Radiated RF Output Power	6.068 mW
Antenna Type	Refer to section 3.5
Antenna Connector	Refer to section 3.5
Accessory Device	NA
Cable Supplied	NA

Note:

1. The EUT may have a lot of colors for marketing requirement.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

70 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (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		

Note:

1. The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.

By means of test software (Click button) provided by manufacturer, the power levels during the tests were set according to the following codes:

Channel	Power Setting
1	Default
40	Default
70	Default

3.3 Test Conditions

Test Conditions		Voltage (Vdc)
V_{normal}		1.5
$V_{max.}$	+10%	1.6
$V_{min.}$	-10%	1.35

3.4 Assembly

The housing consists of two plastic parts, plastic parts are fixed together by hooks. Separating the two parts was only possible by special tools.

3.5 Antenna Specifications

3.5.1 Antenna Gain

Antenna Gain (dBi)	Frequency range(GHz)	Antenna Type	Connector Type
3	2.4~2.4835	Printed Antenna	None

Note: The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.5.2 Antenna Pattern

Please refer to the attached file (Antenna pattern).

4 Test Results

4.1 Frequency Tolerance Measurement

4.1.1 Limits of Frequency Tolerance Measurement

Tolerance of frequency shall be +/- 50ppm

4.1.2 Test Setup



4.1.3 Test Results

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	2404.999551	-0.186	2404.999552	-0.186	2404.999697	-0.125
40	2444	2443.999639	-0.147	2443.999523	-0.195	2443.999581	-0.171
70	2474	2473.999436	-0.227	2473.999436	-0.227	2473.999552	-0.181

4.2 Occupied Bandwidth Measurement (99% power bandwidth)

4.2.1 Limits of Occupied Bandwidth Measurement

Item	Limit
Occupied bandwidth	<26MHz

4.2.2 Test Setup



4.2.3 Test Results

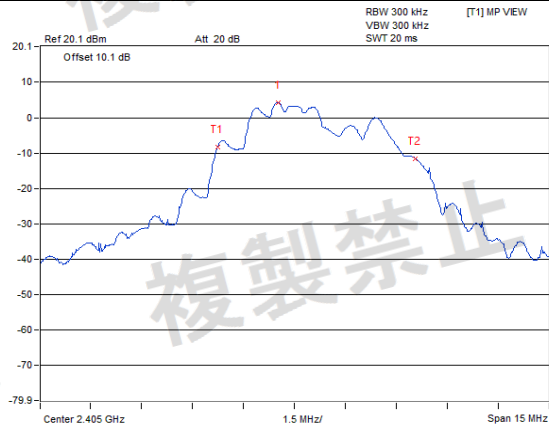
Channel	Frequency (MHz)	V_{normal}	$V_{max.}$	$V_{min.}$
		Occupied bandwidth (MHz)	Occupied bandwidth (MHz)	Occupied bandwidth (MHz)
1	2405	5.85	5.85	5.85
40	2444	5.91	5.91	5.91
70	2474	5.88	5.88	5.88

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



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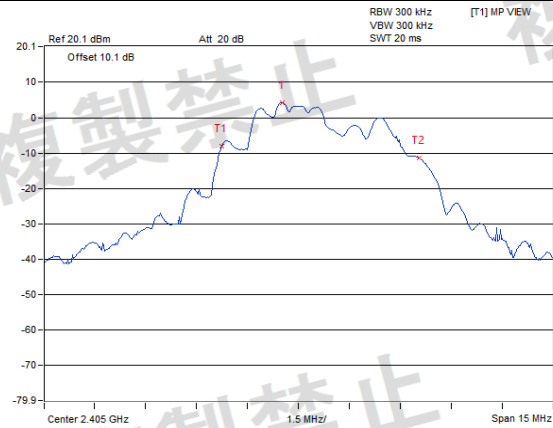
V_{normal}



Marker 1 [T1]
4.21 dBm
2.40452 GHz
5.85 MHz
OBW
Temp 1 [T1 OBW]
-8.32 dBm
2.40272 GHz
Temp 2 [T1 OBW]
-11.54 dBm
2.40857 GHz



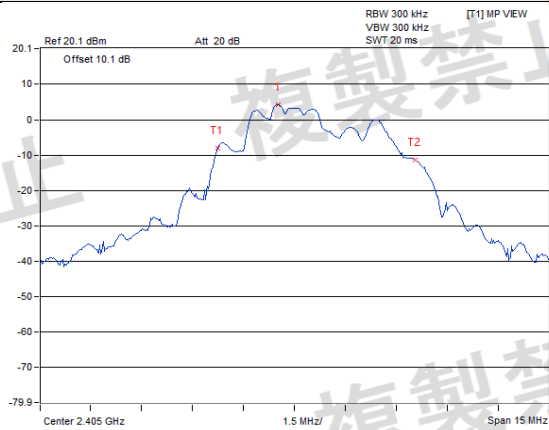
V_{max.}



Marker 1 [T1]
4.20 dBm
2.40452 GHz
5.85 MHz
OBW
Temp 1 [T1 OBW]
-8.11 dBm
2.40272 GHz
Temp 2 [T1 OBW]
-11.43 dBm
2.40857 GHz



V_{min.}



Marker 1 [T1]
4.21 dBm
2.40452 GHz
5.85 MHz
OBW
Temp 1 [T1 OBW]
-8.00 dBm
2.40272 GHz
Temp 2 [T1 OBW]
-11.36 dBm
2.40857 GHz

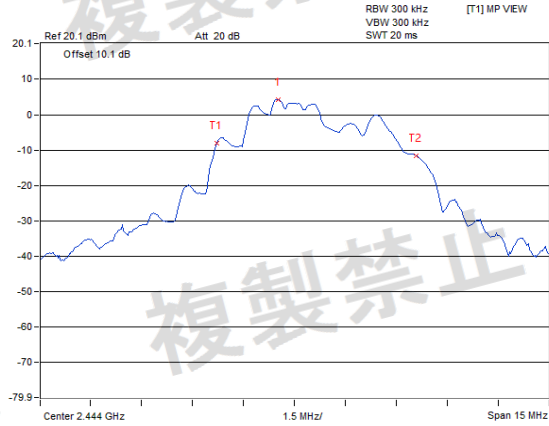


CH 1 (2405MHz)

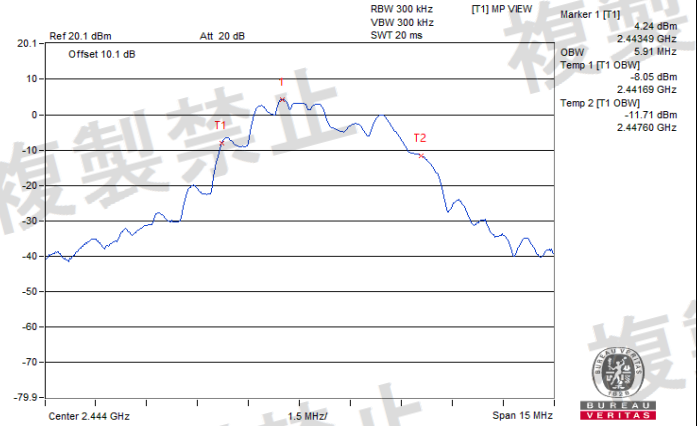


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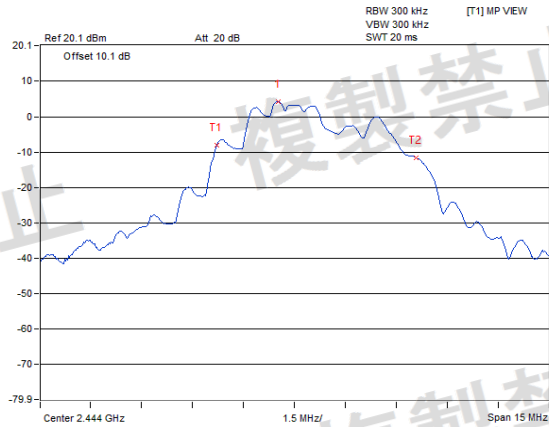
V_{normal}



V_{max.}



V_{min.}

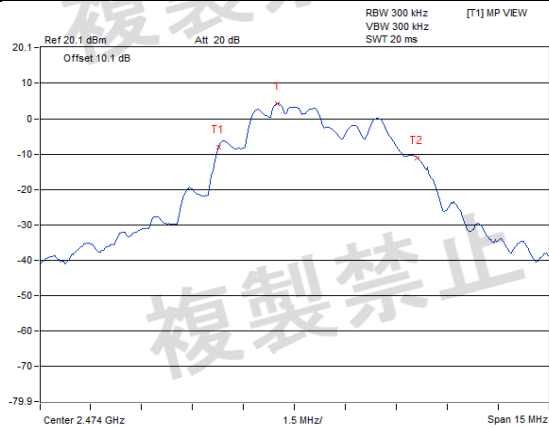


CH 40 (2444MHz)



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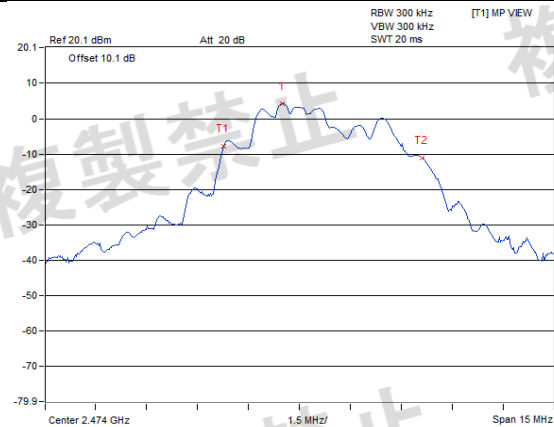
V_{normal}



Marker 1 [T1] 4.19 dBm
2.47349 GHz
5.88 MHz
OBW
Temp 1 [T1 OBW] -7.96 dBm
2.47175 GHz
Temp 2 [T1 OBW] -11.14 dBm
2.47763 GHz



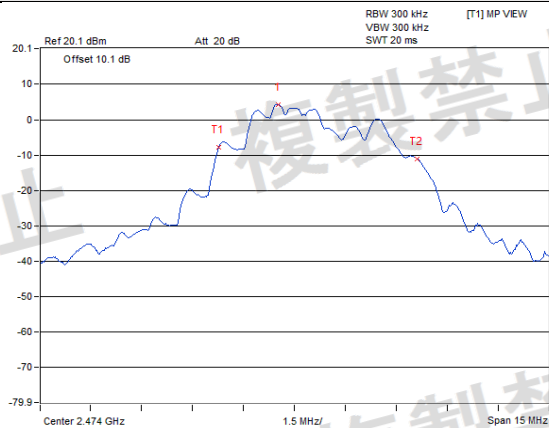
V_{max.}



Marker 1 [T1] 4.20 dBm
2.47349 GHz
5.88 MHz
OBW
Temp 1 [T1 OBW] -7.65 dBm
2.47175 GHz
Temp 2 [T1 OBW] -11.14 dBm
2.47763 GHz



V_{min.}



Marker 1 [T1] 4.20 dBm
2.47352 GHz
5.88 MHz
OBW
Temp 1 [T1 OBW] -7.80 dBm
2.47175 GHz
Temp 2 [T1 OBW] -11.12 dBm
2.47763 GHz



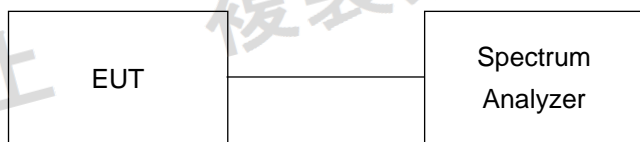
CH 70 (2474MHz)

4.3 Spurious Emissions for Transmitter Measurement

4.3.1 Limits of Spurious Emissions

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

4.3.2 Test Setup



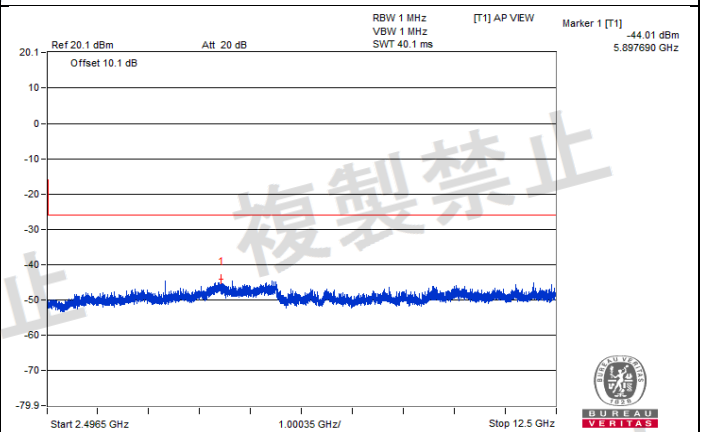
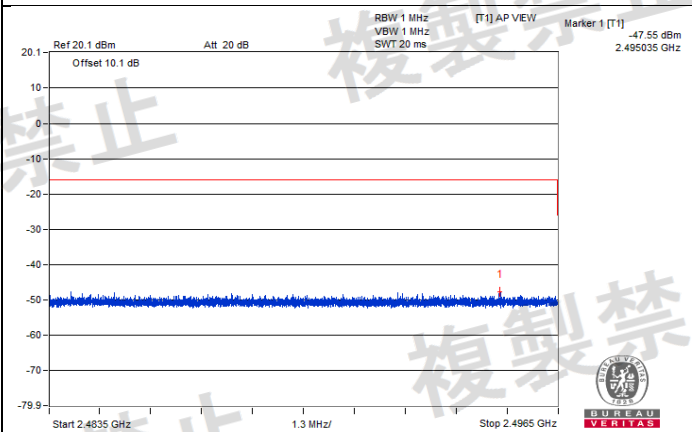
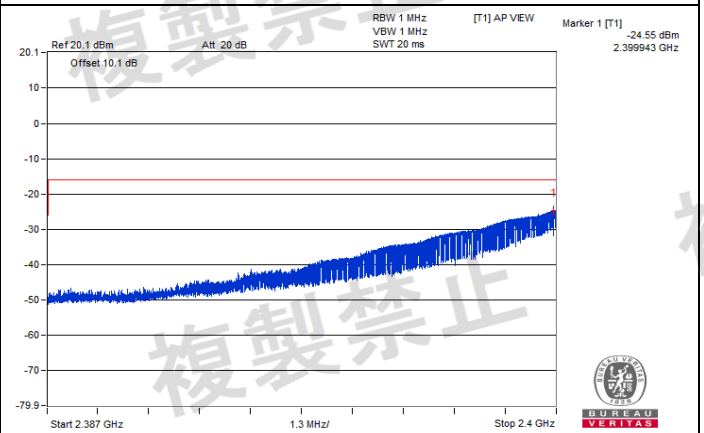
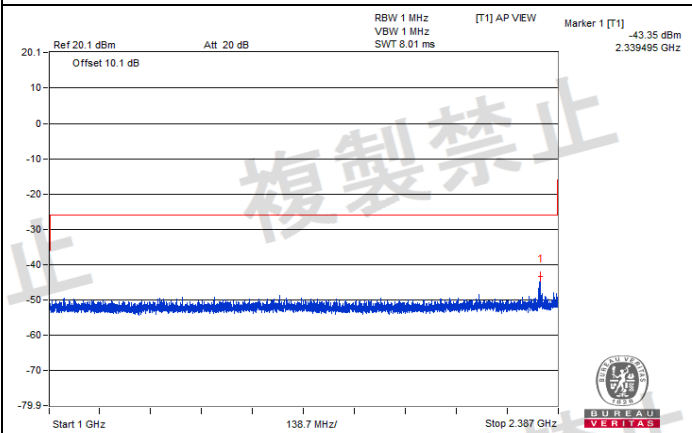
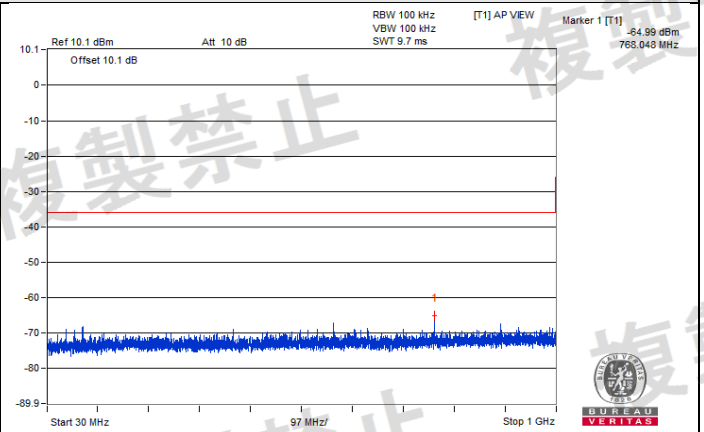
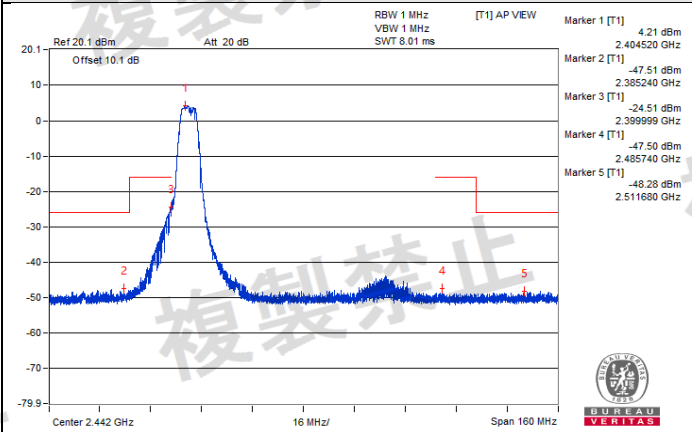
4.3.3 Test Results

TEST CHANNEL		CH 1 (2405MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASURE. VALUE(uW)	LIMIT (uW)	RESULT
V_{normal}	30MHz to 1000MHz	768.048	0.000317	0.25	PASS
	1000MHz to 2387MHz	2339.495	0.046238	2.5	PASS
	2387MHz to 2400MHz	2399.943	3.507519	25	PASS
	2483.5MHz to 2496.5MHz	2495.035	0.017579	25	PASS
	2496.5MHz to 12500MHz	5897.690	0.039719	2.5	PASS
V_{max.}	30MHz to 1000MHz	768.048	0.000336	0.25	PASS
	1000MHz to 2387MHz	2340.708	0.026122	2.5	PASS
	2387MHz to 2400MHz	2399.967	3.589219	25	PASS
	2483.5MHz to 2496.5MHz	2493.566	0.019409	25	PASS
	2496.5MHz to 12500MHz	6692.968	0.034356	2.5	PASS
V_{min.}	30MHz to 1000MHz	768.048	0.000331	0.25	PASS
	1000MHz to 2387MHz	2341.922	0.027164	2.5	PASS
	2387MHz to 2400MHz	2399.987	3.672823	25	PASS
	2483.5MHz to 2496.5MHz	2494.059	0.020417	25	PASS
	2496.5MHz to 12500MHz	6806.758	0.043551	2.5	PASS
TEST CHANNEL		CH 40 (2444MHz)			
V_{normal}	30MHz to 1000MHz	768.048	0.000431	0.25	PASS
	1000MHz to 2387MHz	2378.504	0.028907	2.5	PASS
	2387MHz to 2400MHz	2387.188	0.026730	25	PASS
	2483.5MHz to 2496.5MHz	2491.170	0.018493	25	PASS
	2496.5MHz to 12500MHz	6781.749	0.037154	2.5	PASS
V_{max.}	30MHz to 1000MHz	768.048	0.000276	0.25	PASS
	1000MHz to 2387MHz	2378.851	0.029444	2.5	PASS
	2387MHz to 2400MHz	2387.183	0.021038	25	PASS
	2483.5MHz to 2496.5MHz	2490.533	0.019953	25	PASS
	2496.5MHz to 12500MHz	5823.914	0.038726	2.5	PASS
V_{min.}	30MHz to 1000MHz	768.048	0.000330	0.25	PASS
	1000MHz to 2387MHz	2381.105	0.029648	2.5	PASS
	2387MHz to 2400MHz	2388.225	0.023174	25	PASS
	2483.5MHz to 2496.5MHz	2492.466	0.018793	25	PASS
	2496.5MHz to 12500MHz	5811.409	0.034041	2.5	PASS

TEST CHANNEL		CH 70 (2474MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASURE. VALUE(uW)	LIMIT (uW)	RESULT
V_{normal}	30MHz to 1000MHz	895.846	0.007178	0.25	PASS
	1000MHz to 2387MHz	1475.220	0.013032	2.5	PASS
	2387MHz to 2400MHz	2393.009	0.017742	25	PASS
	2483.5MHz to 2496.5MHz	2483.631	0.132130	25	PASS
	2496.5MHz to 12500MHz	6412.870	0.034041	2.5	PASS
V_{max.}	30MHz to 1000MHz	768.048	0.000337	0.25	PASS
	1000MHz to 2387MHz	2118.268	0.012853	2.5	PASS
	2387MHz to 2400MHz	2394.582	0.020137	25	PASS
	2483.5MHz to 2496.5MHz	2483.514	0.127057	25	PASS
	2496.5MHz to 12500MHz	6994.323	0.041783	2.5	PASS
V_{min.}	30MHz to 1000MHz	904.333	0.028774	0.25	PASS
	1000MHz to 2387MHz	2012.163	0.017947	2.5	PASS
	2387MHz to 2400MHz	2394.254	0.019543	25	PASS
	2483.5MHz to 2496.5MHz	2483.503	0.132434	25	PASS
	2496.5MHz to 12500MHz	6981.819	0.031989	2.5	PASS

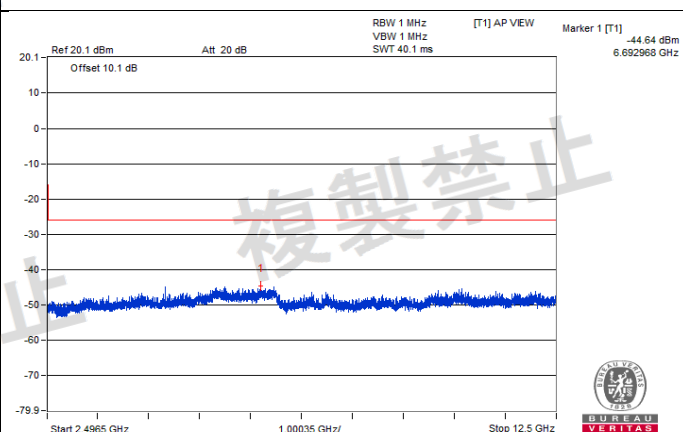
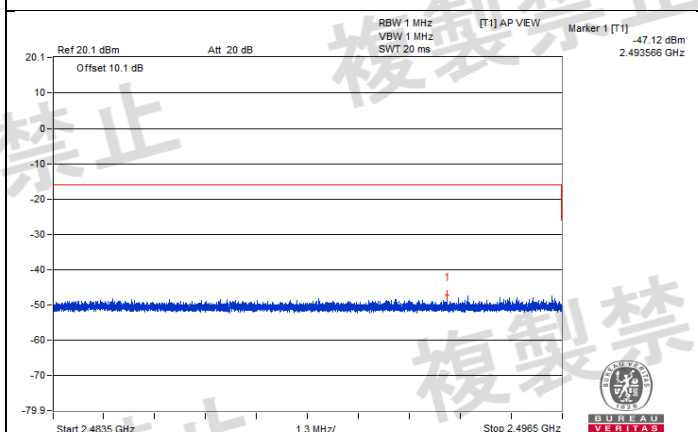
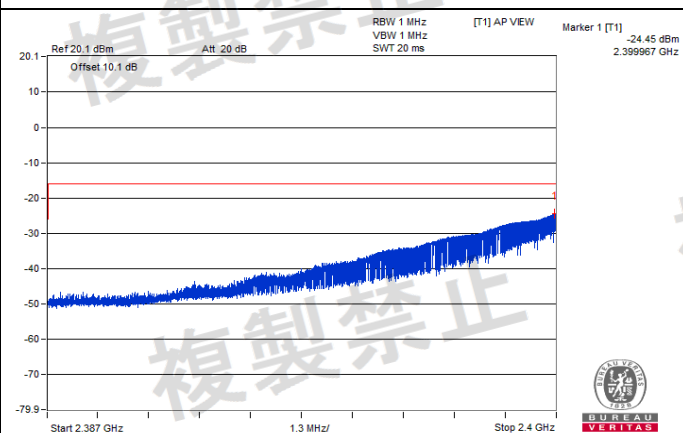
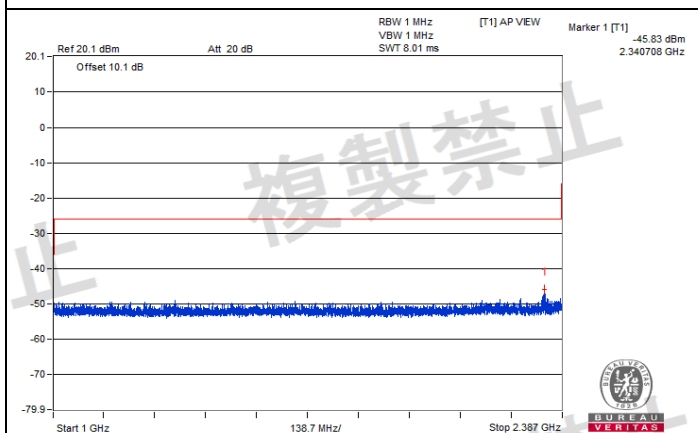
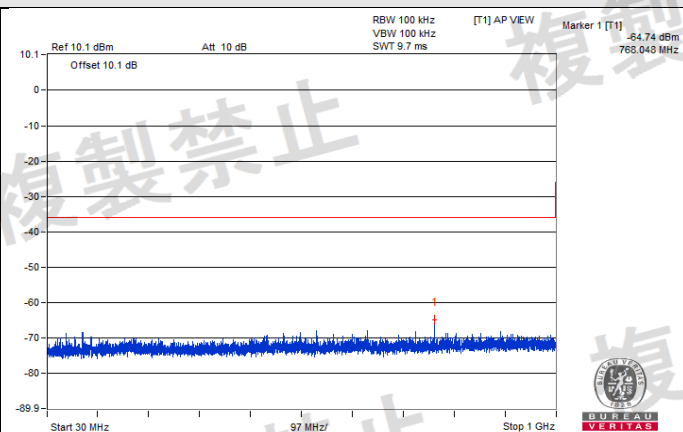
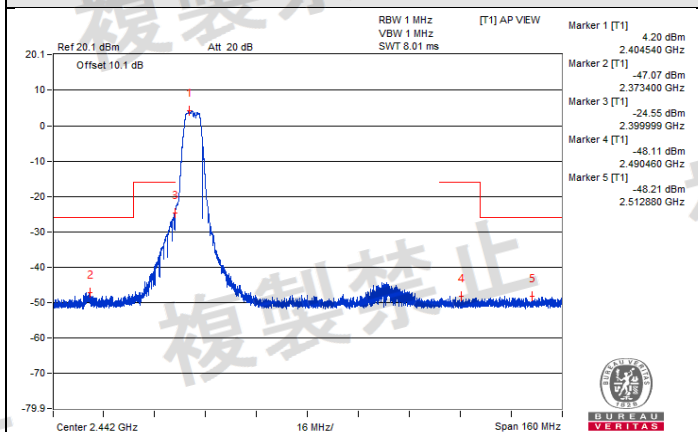
NOTE: 1. The spectrum plots are attached on the following pages.

V normal



CH 1 (2405MHz)

V max.

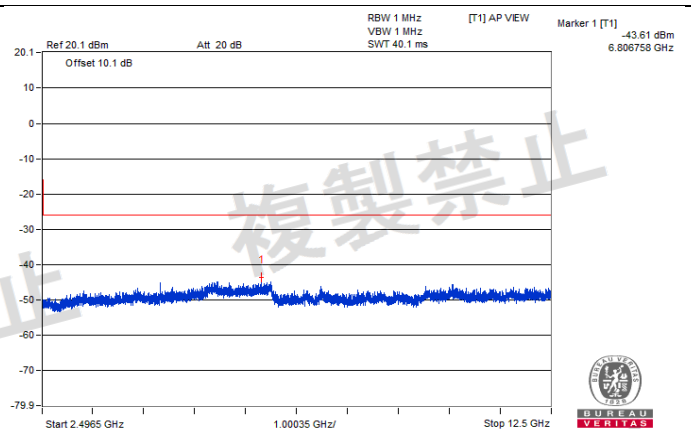
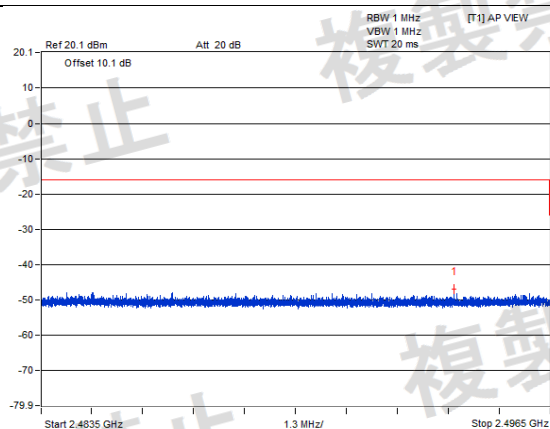
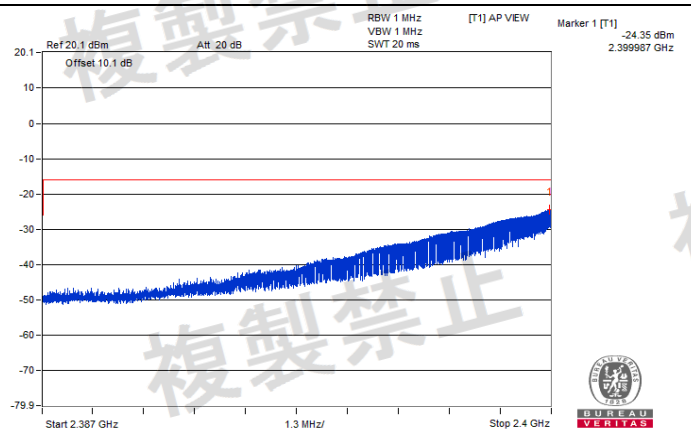
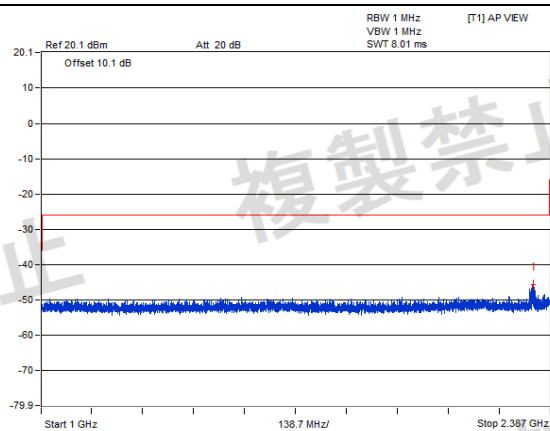
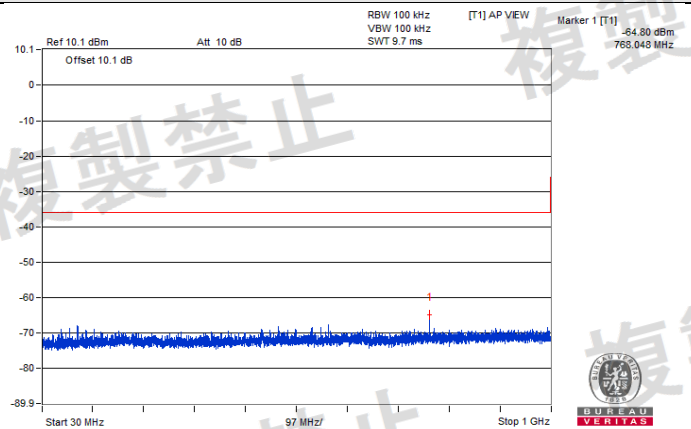
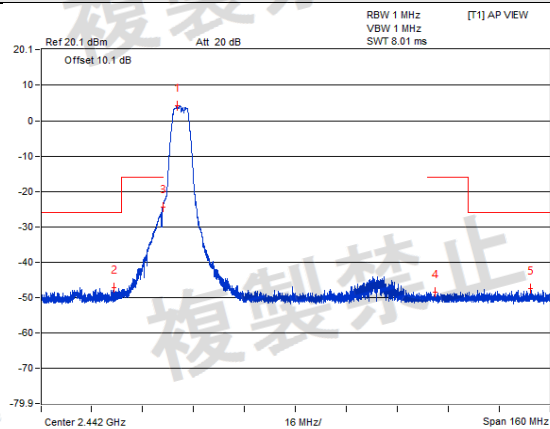


CH 1 (2405MHz)



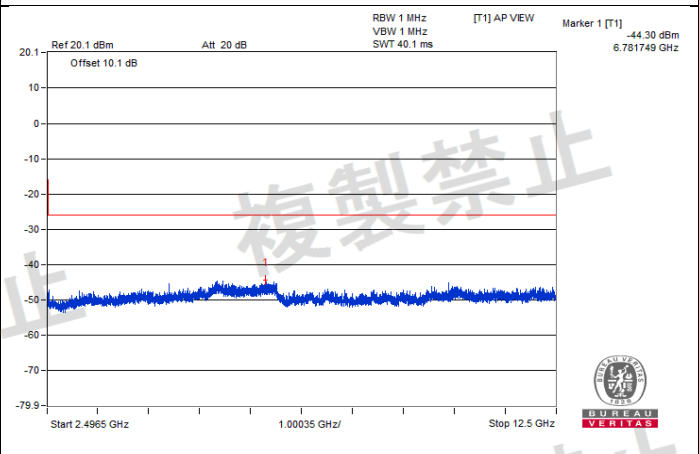
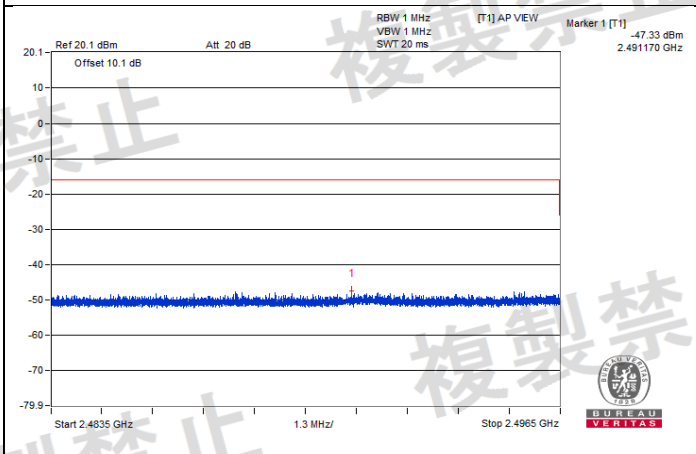
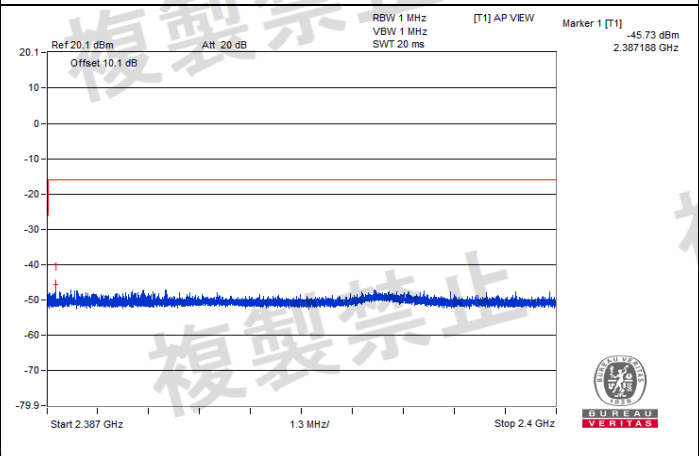
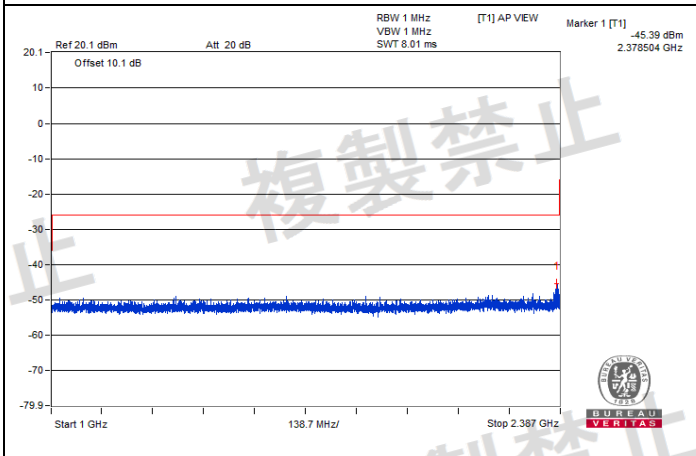
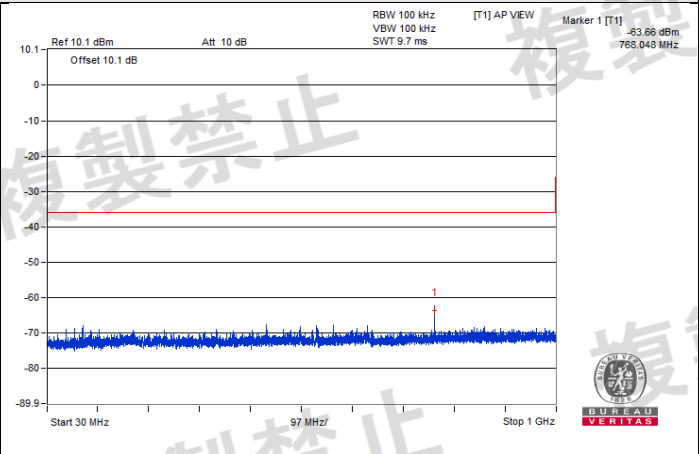
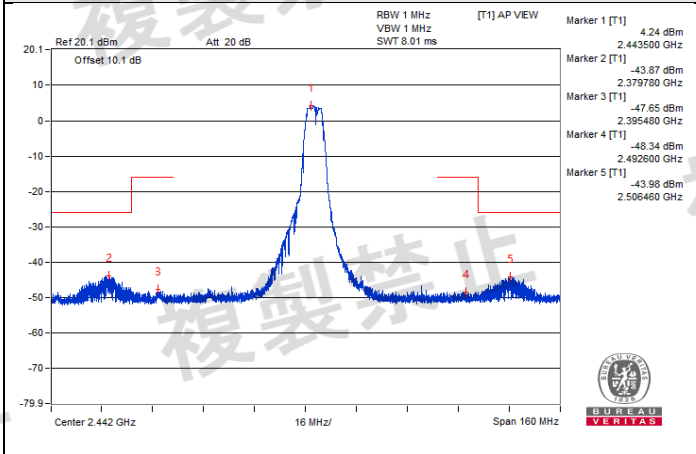
BUREAU
VERITAS

V_{min}.



CH 1 (2405MHz)

V normal

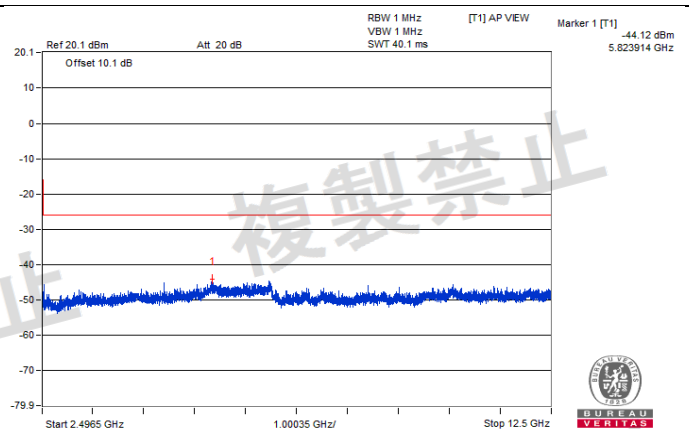
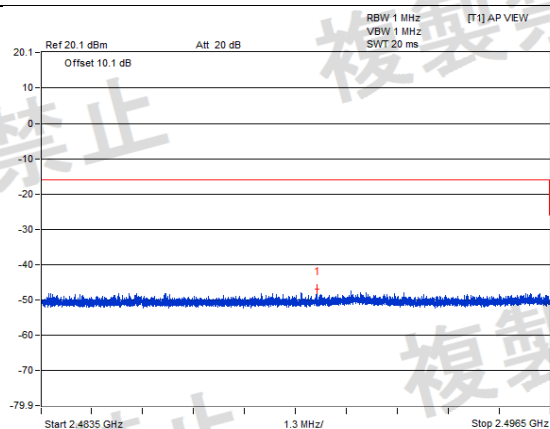
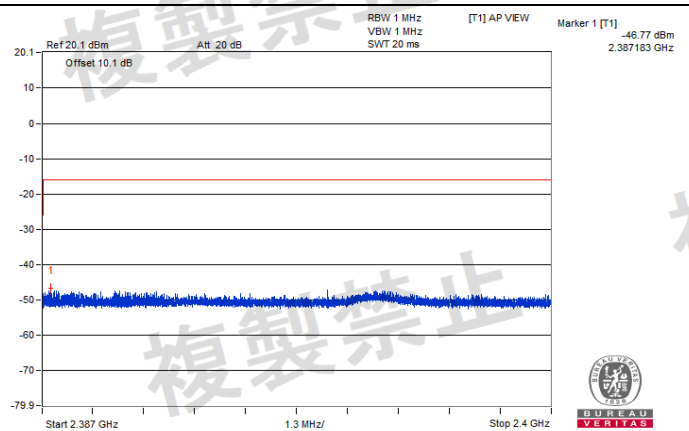
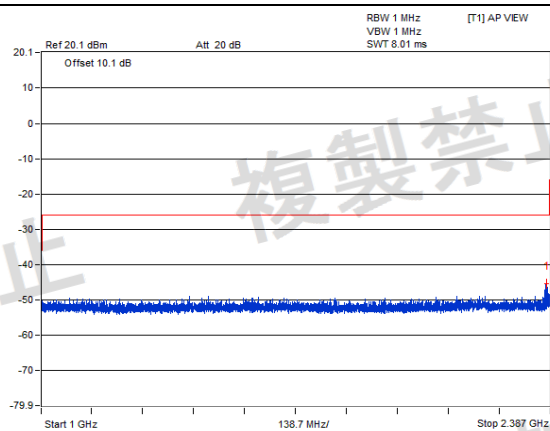
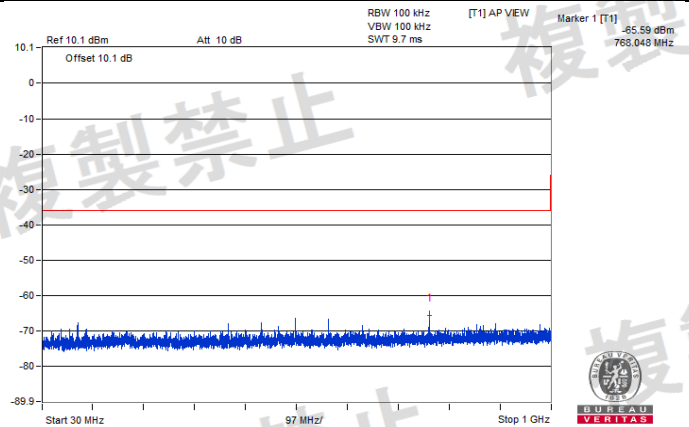
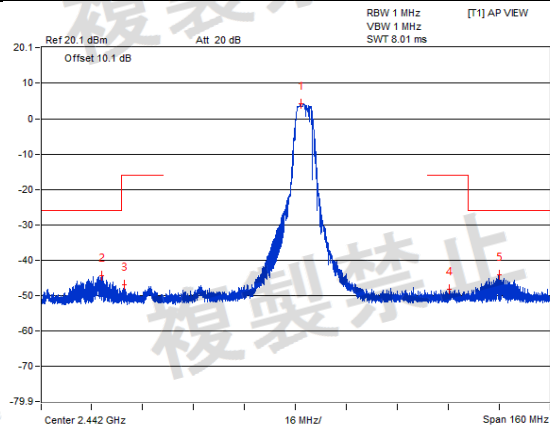


CH 40 (2444MHz)



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VERITAS

V max.

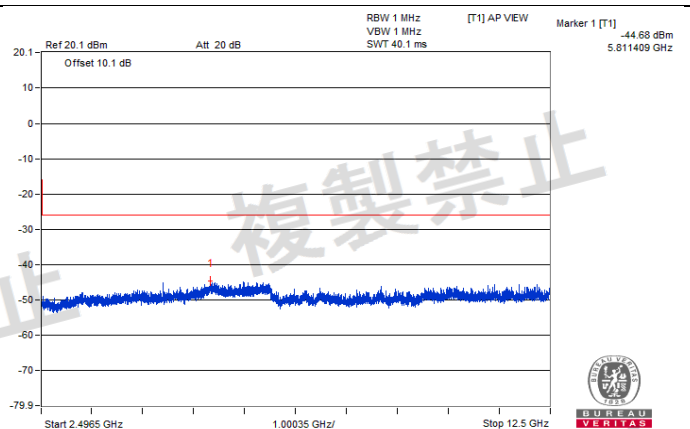
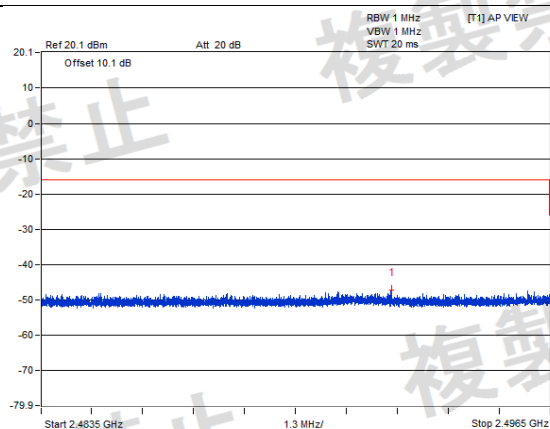
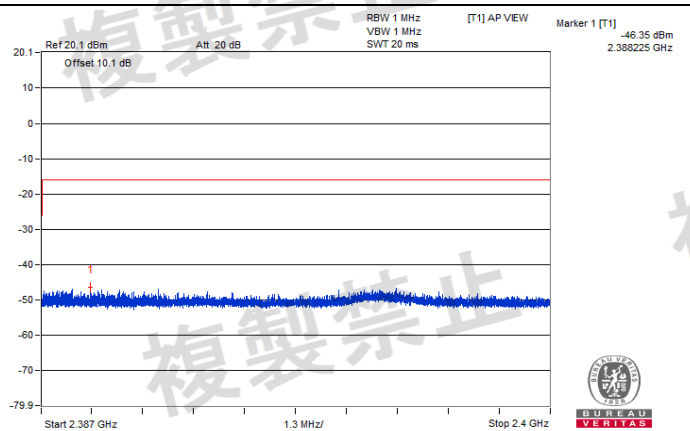
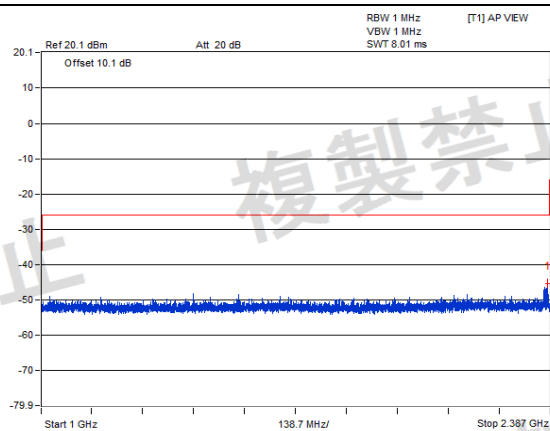
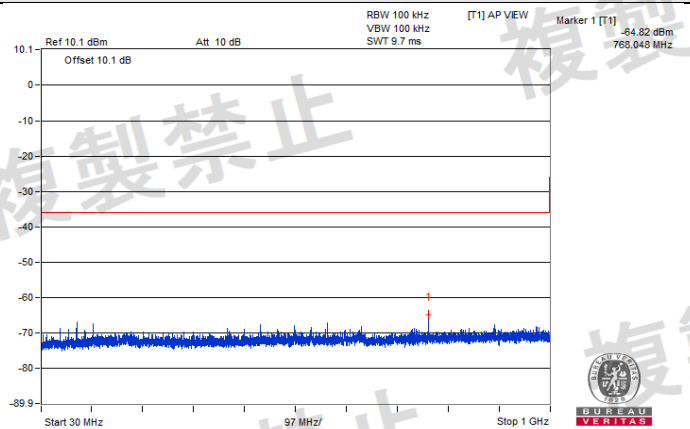
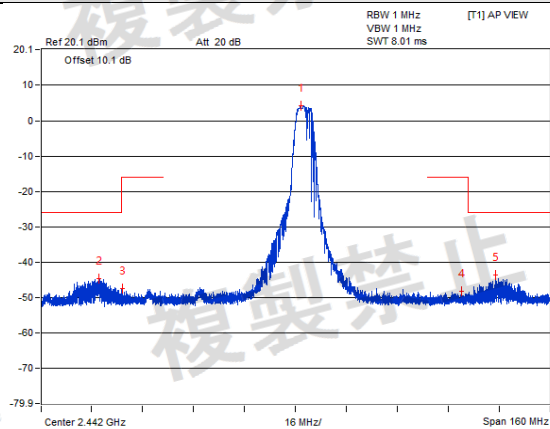


CH 40 (2444MHz)



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VERITAS

V_{min}.

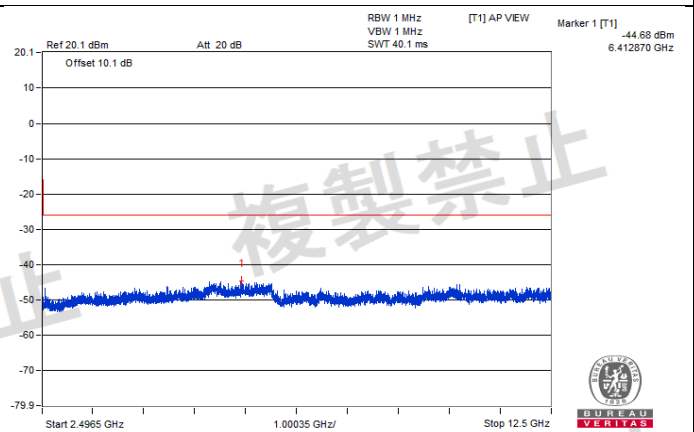
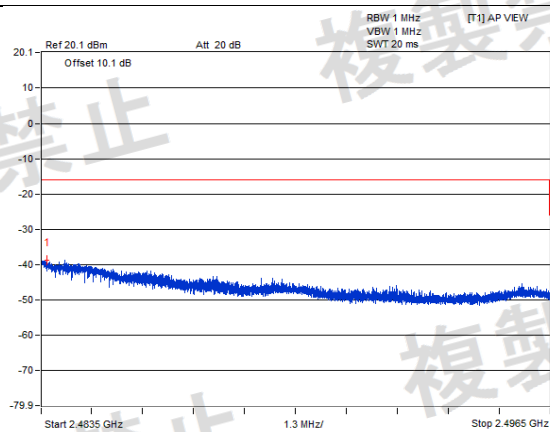
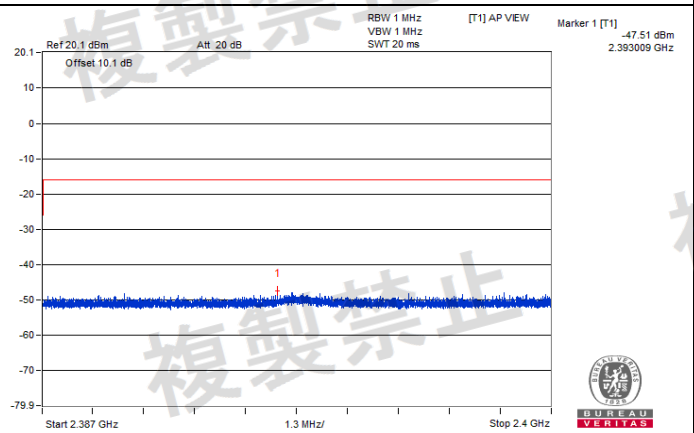
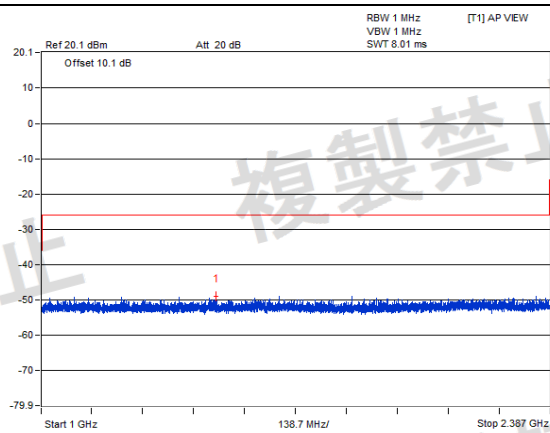
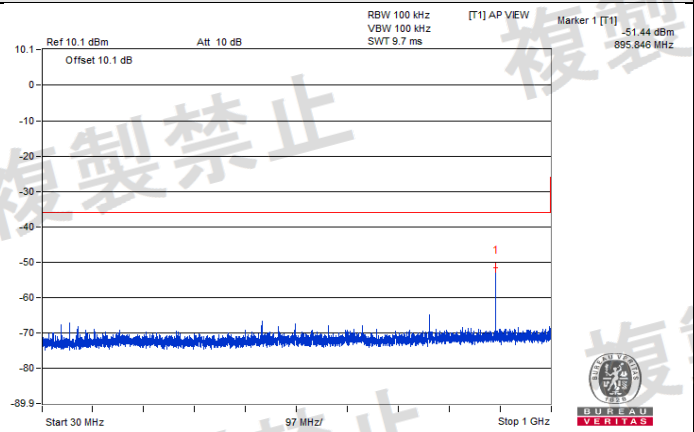
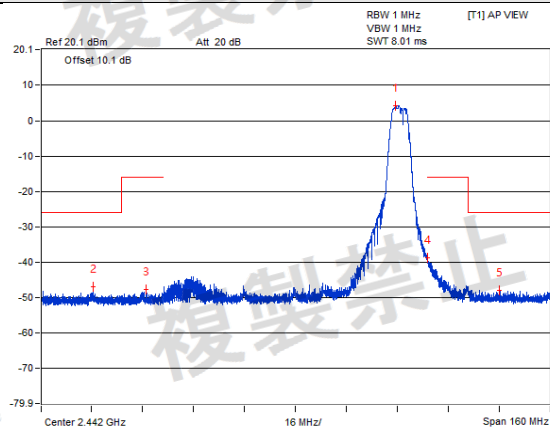


CH 40 (2444MHz)



BUREAU
VERITAS

V normal

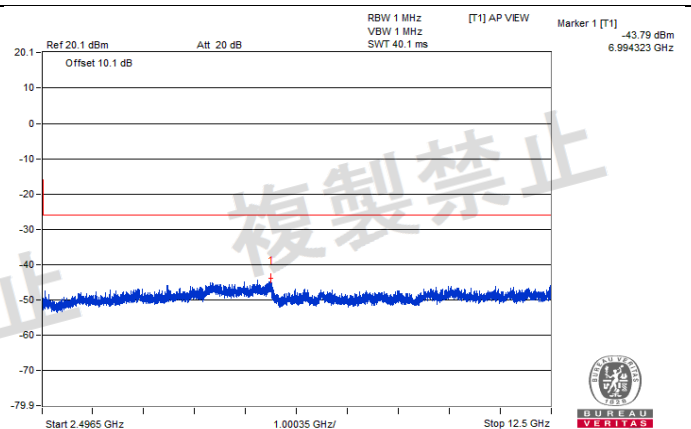
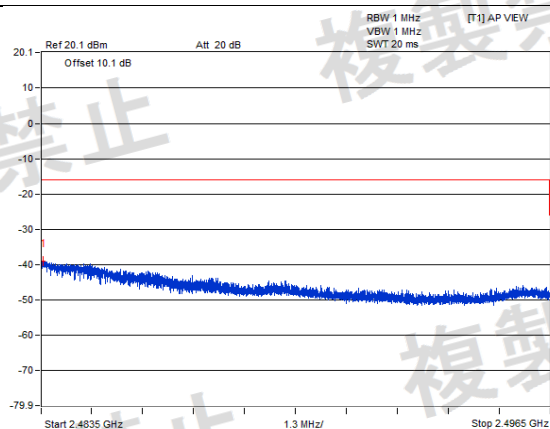
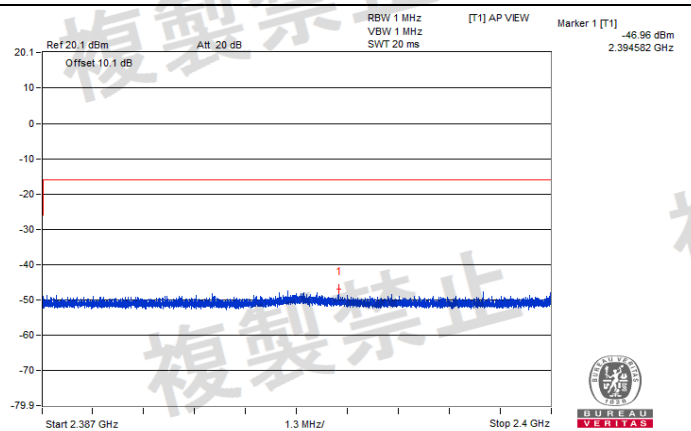
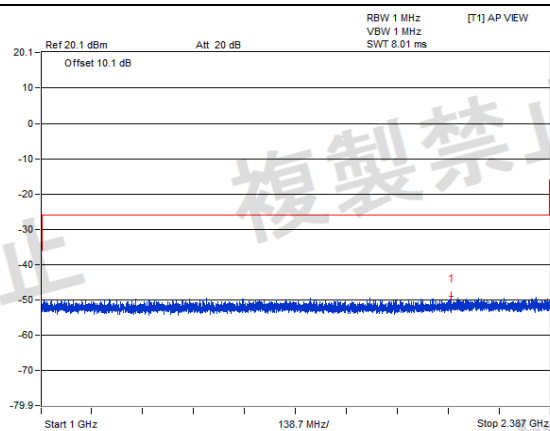
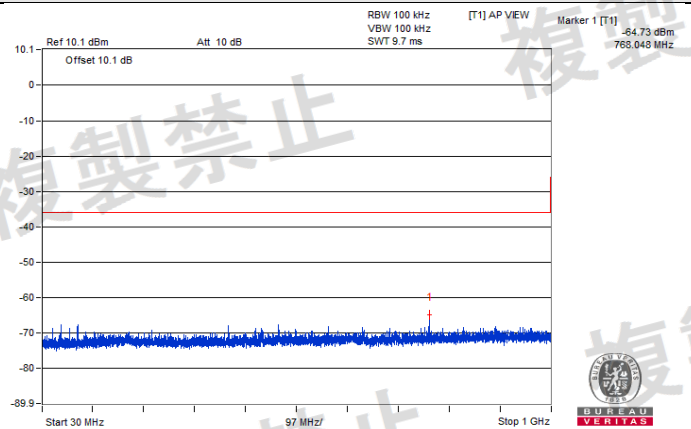
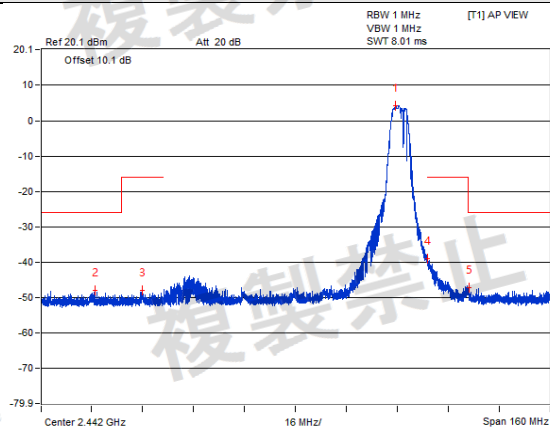


CH 70 (2474MHz)



BUREAU
VERITAS

V max.

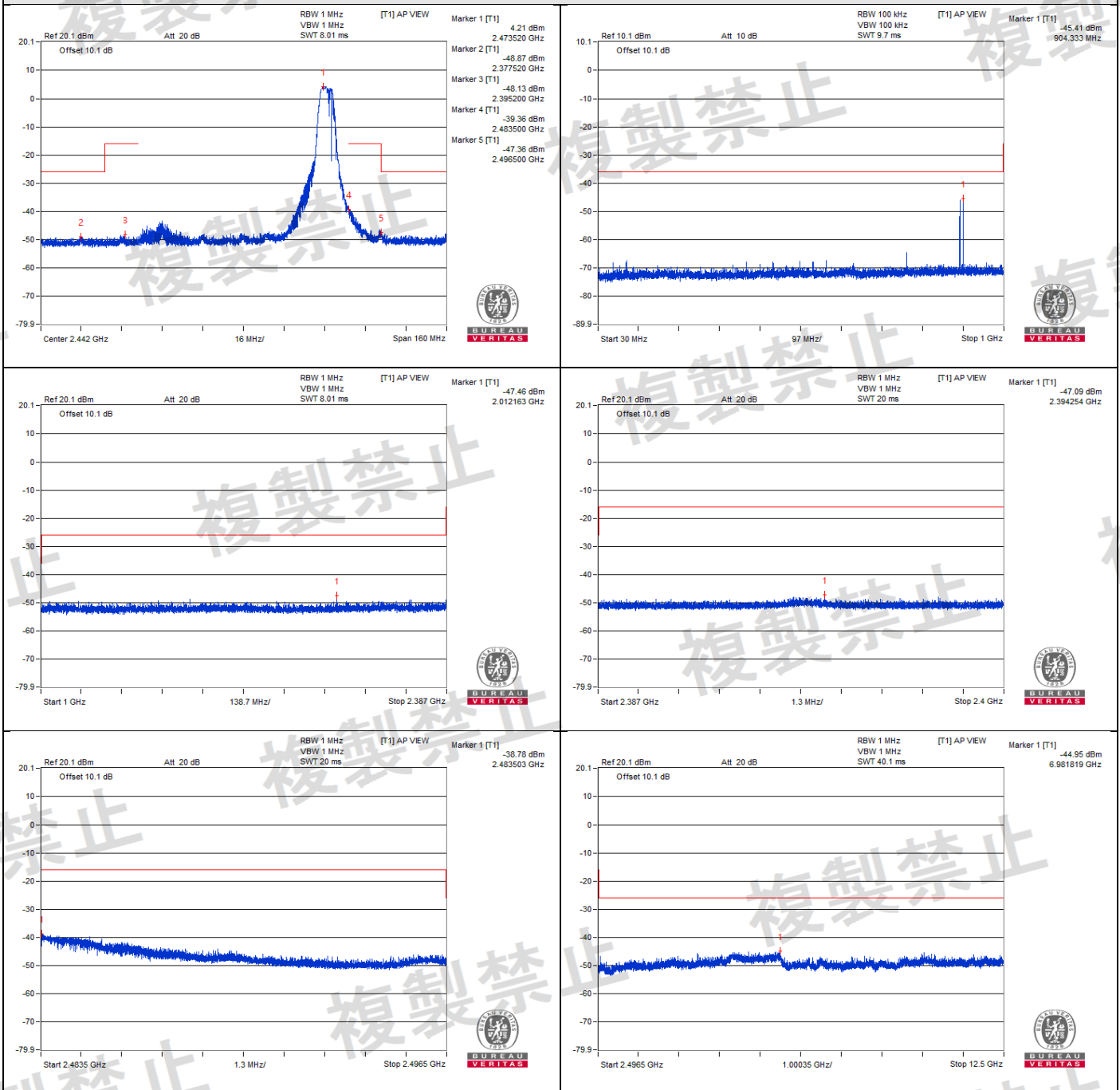


CH 70 (2474MHz)



BUREAU
VERITAS

V_{min}.



CH 70 (2474MHz)

4.4 Antenna Power Measurement

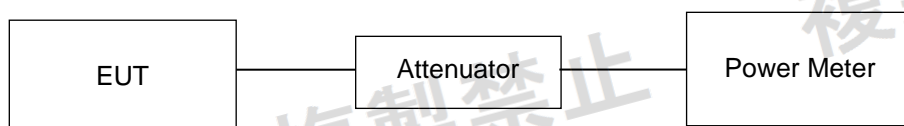
4.4.1 Limits of Antenna Power

Modulation System	Frequency Band Used	Antenna Power (Max.)	EIRP Limit (Note 3)
DS	2400 – 2483.5 MHz	10mW/MHz	12.14 dBm/MHz ~ 22.14 dBm/MHz (16.368 mW/MHz ~ 163.68 mW/MHz)
OFDM (Note 1)	2400 – 2483.5 MHz	10mW/MHz	12.14 dBm/MHz ~ 22.14 dBm/MHz (16.368 mW/MHz ~ 163.68 mW/MHz)
OFDM (Note 2)	2400 – 2483.5 MHz	5mW/MHz	9.13 dBm/MHz ~ 19.13 dBm/MHz (8.184 mW/MHz ~ 81.84 mW/MHz)
Other than the above	2400 – 2483.5 MHz	10 mW	12.14 dBm ~ 22.14 dBm (16.368 mW ~ 163.68 mW)

Note:

1. Occupied bandwidth is less than 26MHz.
2. Occupied bandwidth is more than 26MHz and less than 38MHz.
3. The half-power beam width for directional antenna shall be $360/A$ degrees or less, where A is a ratio which causes the EIRP concerned to exceed the omnidirectional EIRP upper limit.
4. Tolerance of antenna power shall be +20% (upper value) and -80% (lower value).

4.4.2 Test Setup



4.4.3 Test Results

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power (mW)	Radiated RF Output Power (mW)
1.5	1	2405	2.917	5.820
	40	2444	2.965	5.916
	70	2474	2.924	5.834
1.6	1	2405	2.884	5.754
	40	2444	2.904	5.794
	70	2474	2.818	5.623
1.35	1	2405	2.985	5.956
	40	2444	3.027	6.040
	70	2474	3.041	6.068
Max. Limit (mW):			10	-
Rated Power (mW):			4	-
Tolerance of Antenna Power (mW):			0.8 ~ 4.8	-
Max. EIRP Limit (mW):			-	16.368

Note: 1. Antenna gain is 3 dBi.

2. The radiated RF output power is a "calculated" value derived from the conducted value.

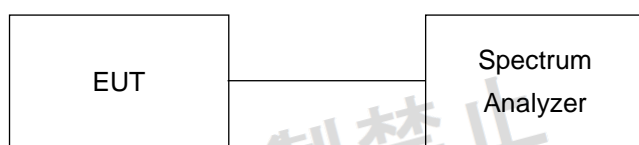
3. Formula: Radiated RF output power = Conducted RF output power + Antenna gain

4.5 Spurious Emissions for Receiver

4.5.1 Limits of Spurious Emissions for Receiver

Frequencies (MHz)	Limit
Below 1GHz	$\leq 4\text{nW}/100\text{kHz}$ (-54dBm)
Above 1GHz	$\leq 20\text{nW}/\text{MHz}$ (-47dBm)

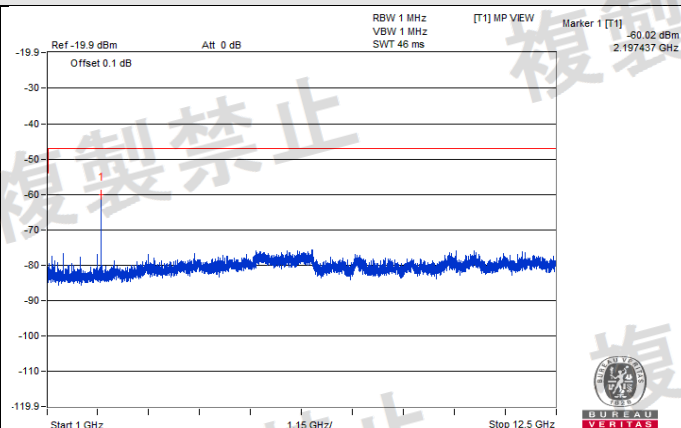
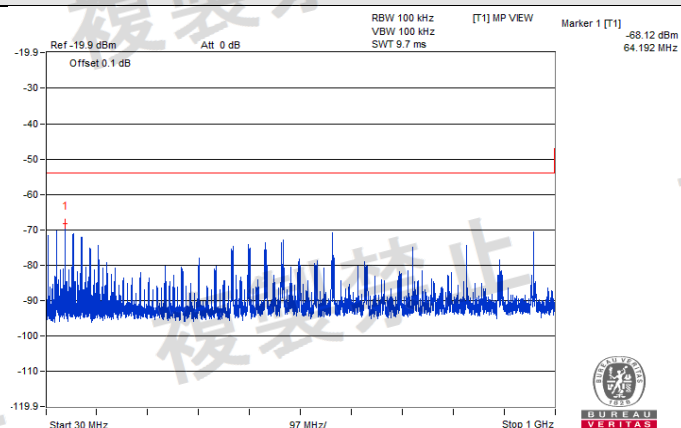
4.5.2 Test Setup



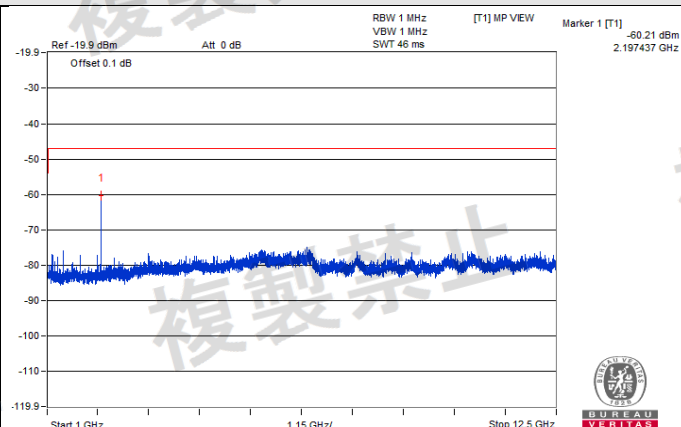
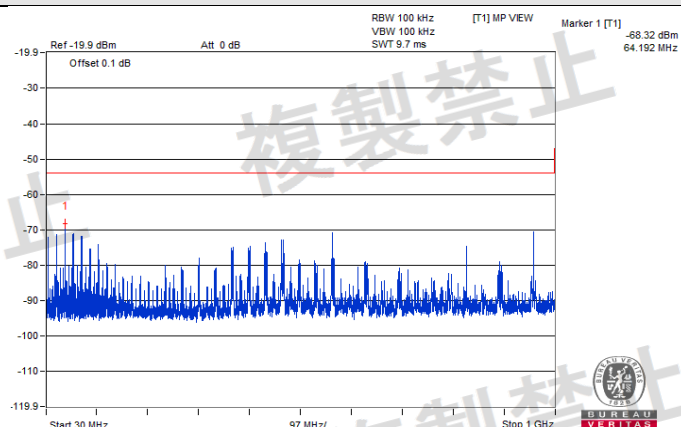
4.5.3 Test Result

TEST CHANNEL		CH 1 (2405MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASURE. VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30MHz to 1000MHz	64.192	0.154170	4.0	PASS
	1000MHz to 12500MHz	2197.437	0.995405	20.0	PASS
$V_{\text{max.}}$	30MHz to 1000MHz	64.192	0.147231	4.0	PASS
	1000MHz to 12500MHz	2197.437	0.952796	20.0	PASS
$V_{\text{min.}}$	30MHz to 1000MHz	64.192	0.152405	4.0	PASS
	1000MHz to 12500MHz	2197.437	0.954993	20.0	PASS
TEST CHANNEL		CH 40 (2444MHz)			
V_{normal}	30MHz to 1000MHz	63.707	0.147571	4.0	PASS
	1000MHz to 12500MHz	2135.625	0.707946	20.0	PASS
$V_{\text{max.}}$	30MHz to 1000MHz	63.707	0.154882	4.0	PASS
	1000MHz to 12500MHz	2135.625	0.704693	20.0	PASS
$V_{\text{min.}}$	30MHz to 1000MHz	64.313	0.148594	4.0	PASS
	1000MHz to 12500MHz	2135.625	0.726106	20.0	PASS
TEST CHANNEL		CH 70 (2474MHz)			
V_{normal}	30MHz to 1000MHz	64.313	0.147571	4.0	PASS
	1000MHz to 12500MHz	2170.125	0.895365	20.0	PASS
$V_{\text{max.}}$	30MHz to 1000MHz	63.707	0.151008	4.0	PASS
	1000MHz to 12500MHz	2170.125	0.868960	20.0	PASS
$V_{\text{min.}}$	30MHz to 1000MHz	64.192	0.144877	4.0	PASS
	1000MHz to 12500MHz	2170.125	0.885116	20.0	PASS

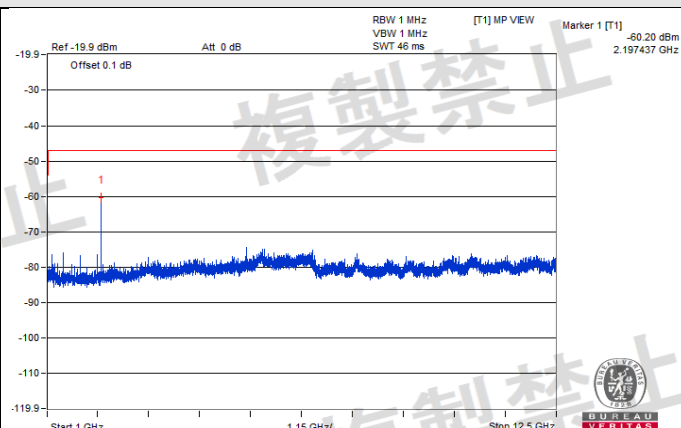
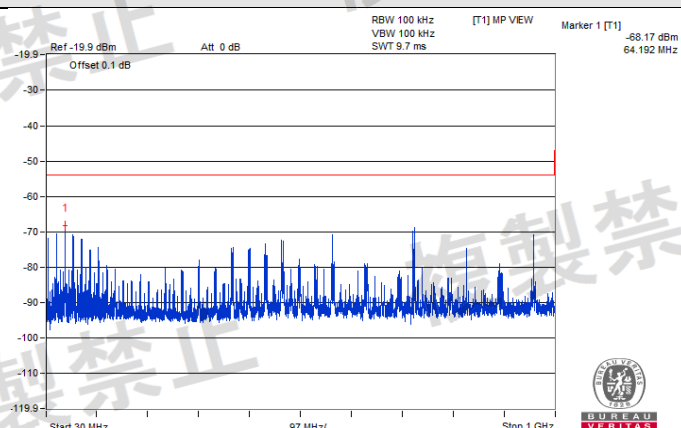
V normal



V max.

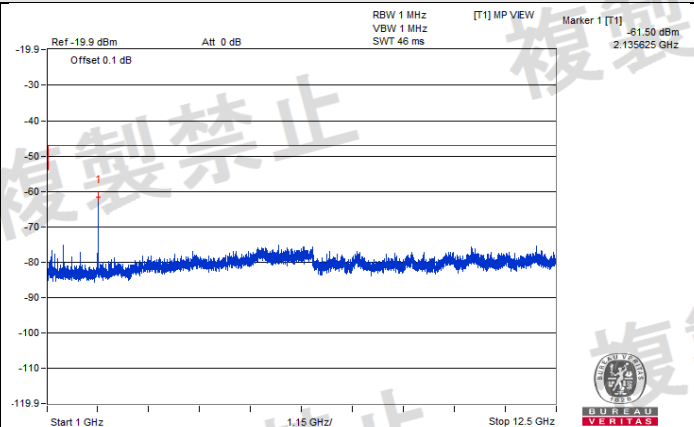
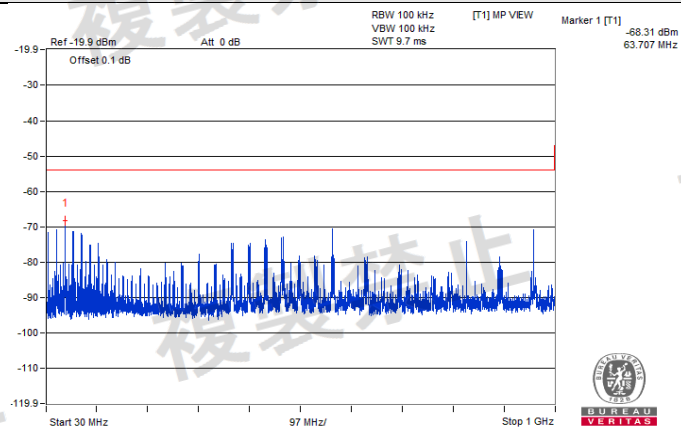


V min.

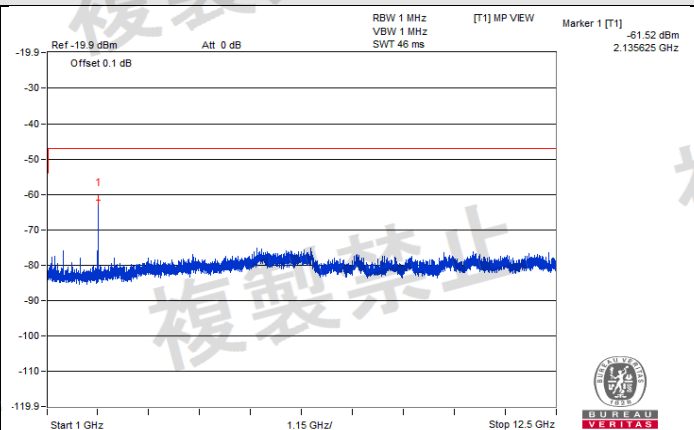
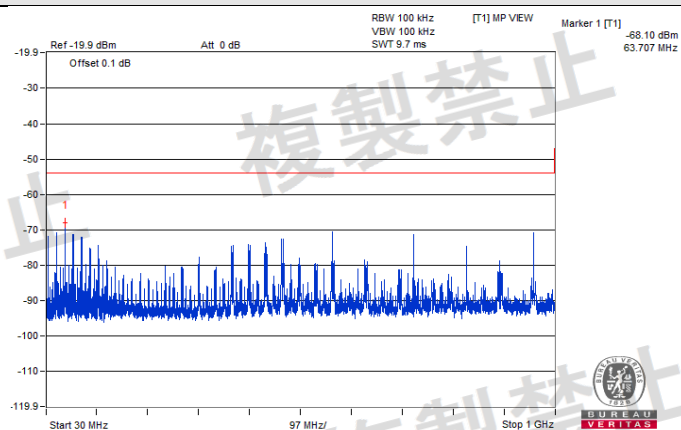


CH 1 (2405MHz)

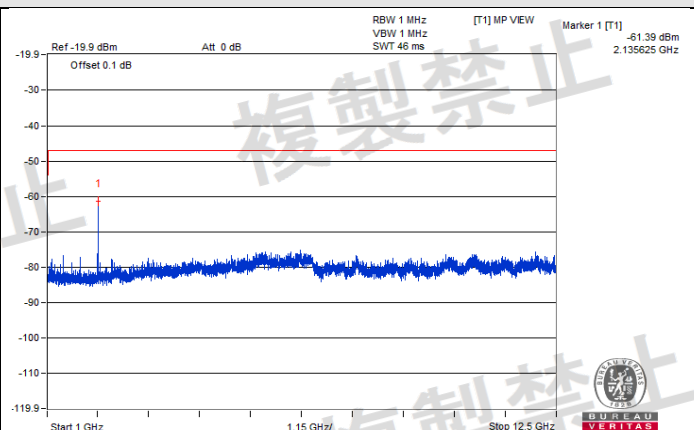
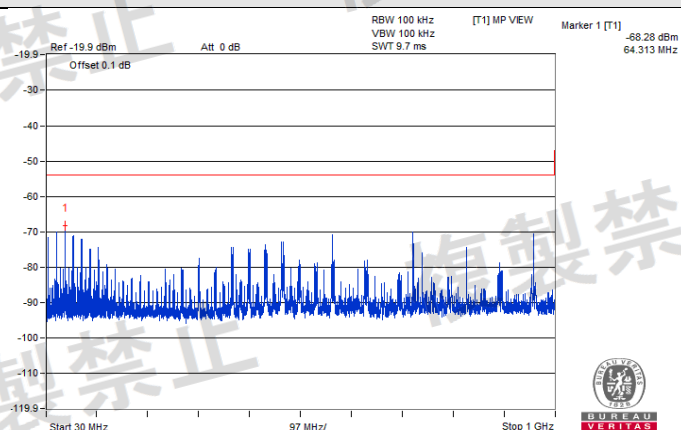
V normal



V max.

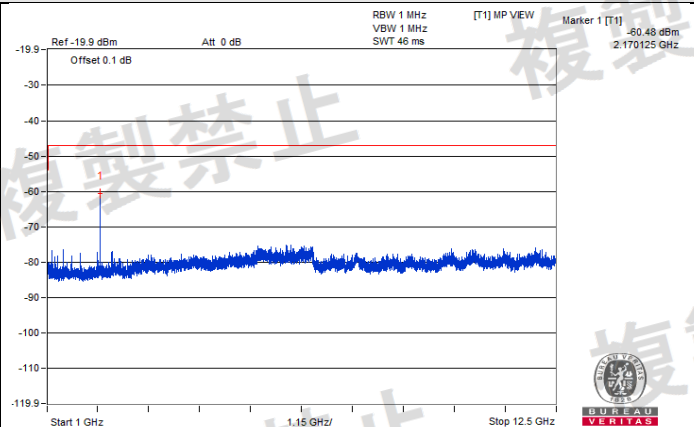
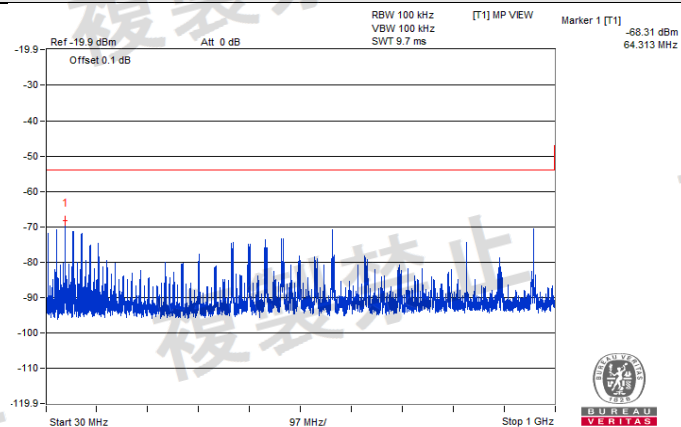


V min.

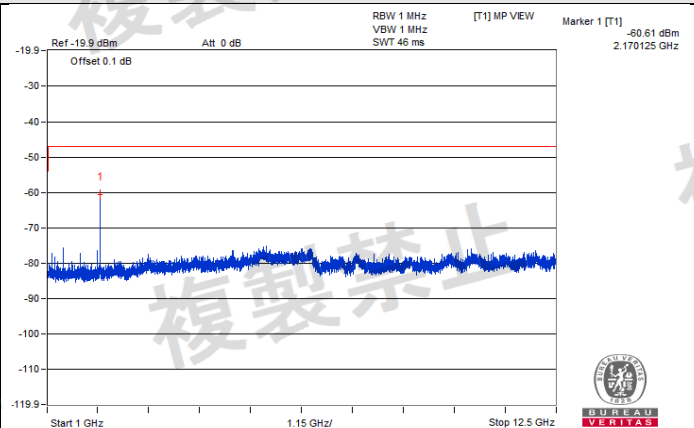
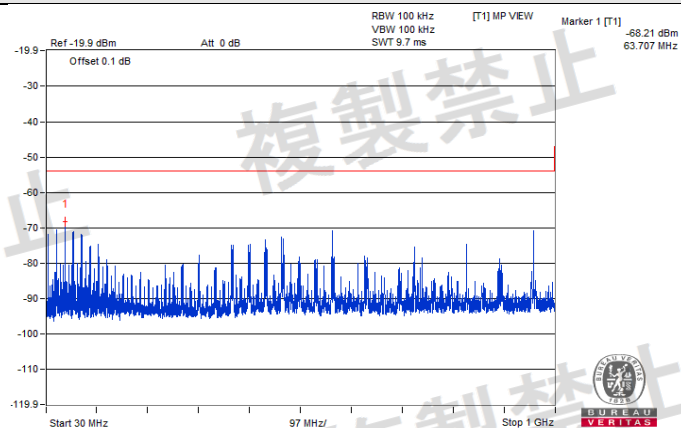


CH 40 (2444MHz)

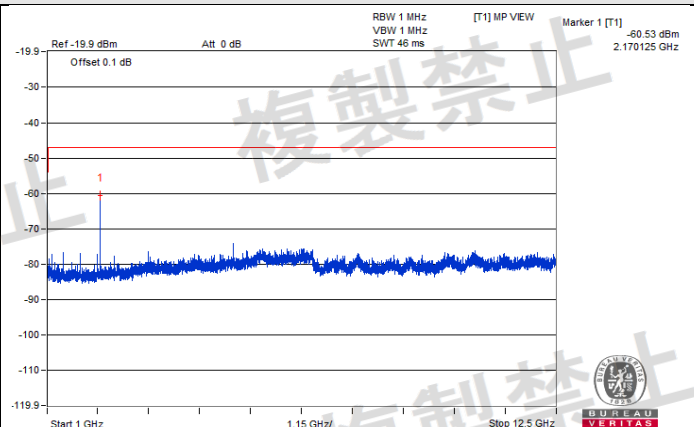
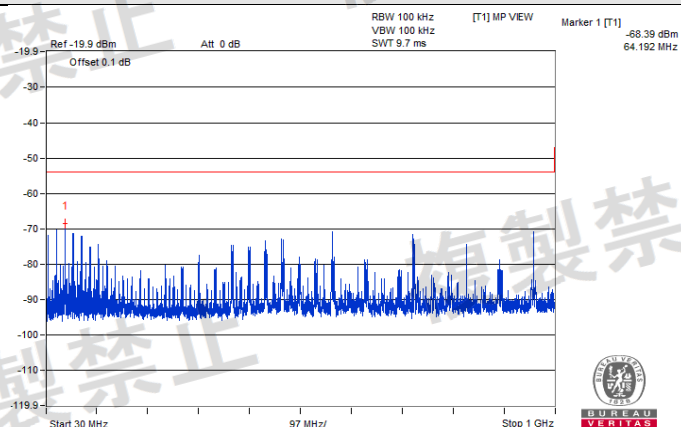
V normal



V max.



V min.



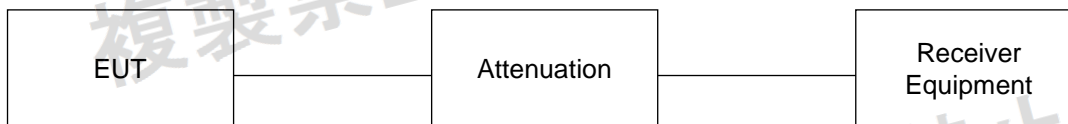
CH 70 (2474MHz)

4.6 Interference Prevention Function

4.6.1 Limits of Interference Prevention Function

Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

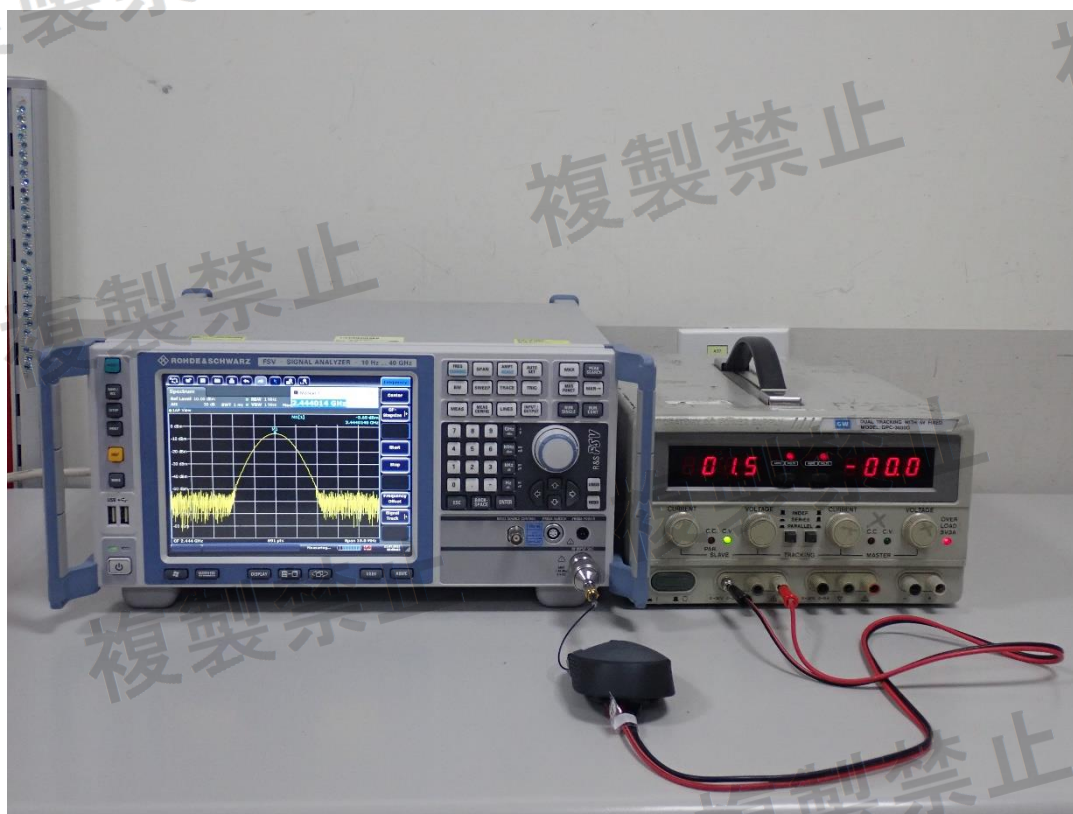
4.6.2 Test Setup



4.6.3 Test Results

Environmental Conditions	25 deg.C, 60% RH
Link Mode	Test Result
GFSK	Pass

5 Photographs of the Test Configuration



Appendix - 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 accredited and approved 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@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

--- END ---