

TEST REPORT

Applicant	CORSAIR MEMORY, Inc.
Address	115 North McCarthy Blvd, Milpitas, CA 95035, USA

Manufacturer or Supplier	CORSAIR MEMORY, Inc.
Address	115 North McCarthy Blvd, Milpitas, CA 95035, USA
Product	Wireless Gaming Controller
Brand Name	Scuf or  or 
Model	RGC0010
Additional Model & Model Difference	N/A
Date of tests	Jul. 14, 2026



The tests have been carried out according to the requirements of the following standards:

☒ ARIB STD-T66, Article 2 Section 1 Item 19, MIC Notice No.88 Appendix No.43

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Andrew Sha Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	
	Date: Aug. 26, 2026

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RJ2606WDG0365-1	Original release	Aug. 26, 2026



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1 SUMMARY OF TEST RESULTS

Article 2 Section 1 Item 19 Reference	ARIB STD-T66 REF.	REPORT REFERENCE	PARAMETER	TEST RESULTS (NOTE)
GENERAL PROVISIONS				
C	3.2 (4)	3.1	Frequency tolerance	C
D	3.2 (7)	3.2	Occupied bandwidth	C
E	3.2 (6)	3.3	Spurious emissions	C
TRANSMITTING EQUIPMENT				
F	--	3.4	Antenna power	C
--	--	--	SAR	NA
TRANSMITTING ANTENNA				
--	--	2.5	Type, configuration, etc. of transmitting antenna	C
--	--	2.5	Direction pattern of transmitting antenna	C
RECEIVING EQUIPMENT				
G	3.3 (1)	3.5	Spurious emissions of receiver	C
--	--	2.5	Refer to all articles for transmitting antenna	C
OPERATING FREQUENCY 2400 TO 2483.5MHZ				
--	3.7 (1)	2.4	High frequency/modulation section cannot be opened easily	C
--	3.1 (1)	2.1	Communication method	C
--	3.2 (1)	2.1	Modulation method	C
--	3.2 (1)	2.1	Spread spectrum method	C
--	3.2 (2)	3.4	Antenna power	C
--	3.6 (2)	3.4	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)	--	Diffusion bandwidth	NA
--	3.2 (9)	--	Spreading factor	NA
--	3.4.1(1)	3.6	Interference Prevention Function	C
--	3.2 (11)	--	Frequency retention time (FH employed)	NA
NOTE: C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable				



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1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

ITEM	UNCERTAINTY
Occupied Bandwidth	206.50 Hz
Spurious emissions	$\pm 3.93\text{dB}$
Output power density	1.37dB
Out of band radiated power	2.52 dB
Frequency Tolerance	0.104 ppm

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

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless Gaming Controller
MODEL NO.	RGC0010
ADDITIONAL MODELS	N/A
POWER SUPPLY:	DC 5V from USB host unit or DC 3.7V from Li-ion battery
MODULATION TYPE	GFSK (2Mbps, 4Mbps)
OPERATING FREQUENCY	2404-2478MHz for 2Mbps 2406-2476MHz for 4Mbps
NUMBER OF CHANNEL	37 for 2Mbps 33 for 4Mbps
RATED RF OUTPUT POWER	3.5mW for 2Mbps 4.0mW for 4Mbps
CONDUCTED RF OUTPUT POWER	3.296mW for 2Mbps 3.776mW for 4Mbps
EIRP OUTPUT POWER	4.989mW for 2Mbps 5.715mW for 4Mbps
ANTENNA TYPE	Chip Antenna, 1.8dBi Gain
HW-RELEASE NO.	V1.9
SW-RELEASE NO.	V1.0.8
CABLE SUPPLIED	USB cable: Shielded, Detachable, 2.0m

NOTES:

1. The EUT operates in the 2.4GHz frequency spectrum and complies with GFSK techniques.
2. The above EUT information was declared by the manufacturer and for more detailed features description and please refers to the manufacturer's specifications or User's Manual.
3. Please refer to the EUT photo document (Reference No.: 2606WDG0365-1) for detailed product photo.



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2.2 DESCRIPTION OF TEST CHANNELS

37 channels are provided for GFSK 2Mbps:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2404	15	2434	29	2462
1	2406	16	2436	30	2464
2	2408	17	2438	31	2466
3	2410	18	2440	32	2468
4	2412	19	2442	33	2470
5	2414	20	2444	34	2472
6	2416	21	2446	35	2474
7	2418	22	2448	36	2476
8	2420	23	2450	37	2478
9	2422	24	2452		
10	2424	25	2454		
12	2428	26	2456		
13	2430	27	2458		
14	2432	28	2460		

37 channels are provided for GFSK 4Mbps:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2406	18	2440	32	2468
2	2408	19	2442	33	2470
3	2410	20	2444	34	2472
4	2412	21	2446	35	2474
5	2414	22	2448	36	2476
6	2416	23	2450		
7	2418	24	2452		
8	2420	25	2454		
9	2422	26	2456		
13	2430	27	2458		
14	2432	28	2460		
15	2434	29	2462		
16	2436	30	2464		
17	2438	31	2466		

- NOTE:**
1. Data rate 2 Mbps / 4Mbps with GFSK technique.
 2. 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.



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By means of test software provided by manufacture, the power levels during the tests were set according to the following codes:

2.4GHz Wireless 2Mbps		2.4GHz Wireless 4Mbps	
CHANNEL	POWER SETTING	CHANNEL	POWER SETTING
0	53	1	58
18	53	18	58
37	53	36	58

2.3 TEST CONDITIONS

Test conditions	Voltage (Vdc)
V_{normal}	3.7
V_{max}	4.07
V_{min}	3.33

2.4 ASSEMBLY

The RF circuit and components are inside the shield, also it won't be easy to open. Frequency Band, channels and Modulation parameters are fixed inside the module. They cannot be edited or modified by end-user.

2.5 ANTENNA SPECIFICATIONS

2.5.1 ANTENNA GAIN

Ant. Type	Connector Type	Highest Peak Gain (dBi) 2.4GHz ~ 2.5GHz
Chip	N/A	1.8

2.5.2 ANTENNA PATTERN

Please refer to the attached file (Antenna pattern).

3 TEST TYPES AND RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 LIMITS OF FREQUENCY TOLERANCE MEASUREMENT

Tolerance of frequency shall be +/- 50ppm

3.1.2 TEST METHOD

According to MIC Notice No. 88 Appendix 43

3.1.3 TEST RESULT

For GFSK 2Mbps:

ENVIRONMENTAL CONDITIONS		23 deg.C, 56 % RH					
Channel	Frequency (MHz)	Voltage normal		Voltage +10%		Voltage -10%	
		Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)
0	2404	2403.990720	-3.860	2403.990720	-3.860	2403.990679	-3.877
18	2440	2439.990519	-3.885	2439.990559	-3.869	2439.990480	-3.901
37	2478	2477.990320	-3.906	2477.990319	-3.906	2477.990280	-3.922

For GFSK 4Mbps:

ENVIRONMENTAL CONDITIONS		23 deg.C, 56 % RH					
Channel	Frequency (MHz)	Voltage normal		Voltage +10%		Voltage -10%	
		Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)	Carrier frequency (MHz)	Frequency tolerance (ppm)
1	2406	2405.990039	-4.140	2405.990000	-4.156	2405.990040	-4.139
18	2440	2439.989800	-4.180	2439.989760	-4.196	2439.989840	-4.163
36	2476	2475.989640	-4.184	2475.989600	-4.200	2475.989599	-4.200

3.2 OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

3.2.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

Occupied bandwidth shall be 26MHz or less.

3.2.2 TEST METHOD

According to MIC Notice No. 88 Appendix 43.

3.2.3 TEST RESULT

For GFSK 2Mbps:

ENVIRONMENTAL CONDITIONS		23 deg.C, 56 % RH		
Channel	Frequency (MHz)	Voltage normal	Voltage +10%	Voltage -10%
		Occupied bandwidth (MHz)	Occupied bandwidth (MHz)	Occupied bandwidth (MHz)
0	2404	2.21	2.22	2.25
18	2440	2.22	2.22	2.22
36	2478	2.22	2.22	2.22

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

For GFSK 4Mbps:

ENVIRONMENTAL CONDITIONS		23 deg.C, 56 % RH		
Channel	Frequency (MHz)	Voltage normal	Voltage +10%	Voltage -10%
		Occupied bandwidth (MHz)	Occupied bandwidth (MHz)	Occupied bandwidth (MHz)
1	2406	4.26	4.26	4.26
18	2440	4.26	4.26	4.26
36	2476	4.26	4.26	4.26

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

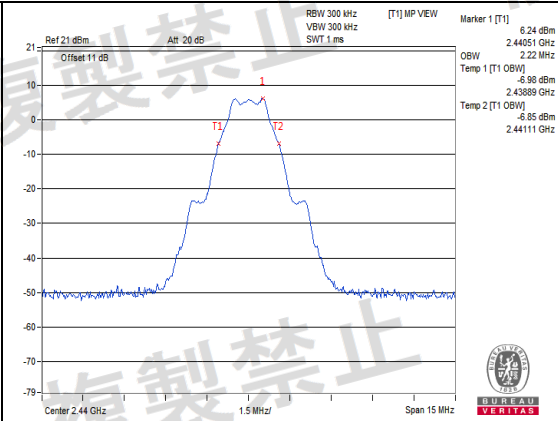
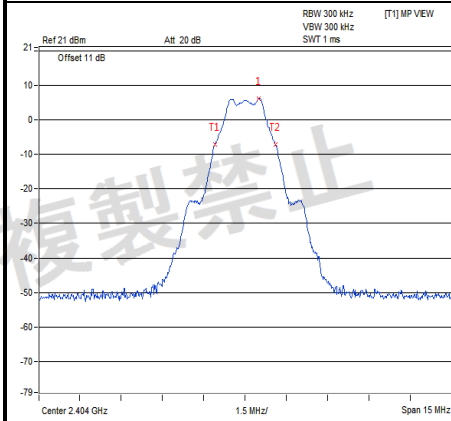


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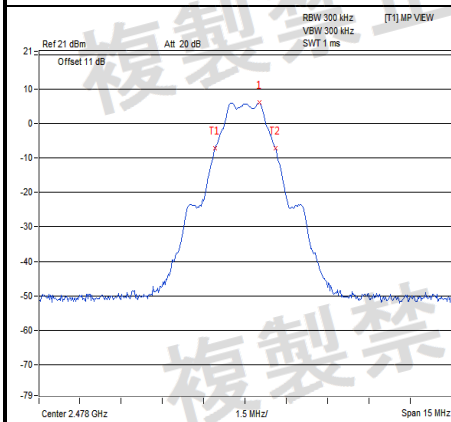
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For GFSK 2Mbps:

Vnormal



Channel 0



Channel 18

Channel 37

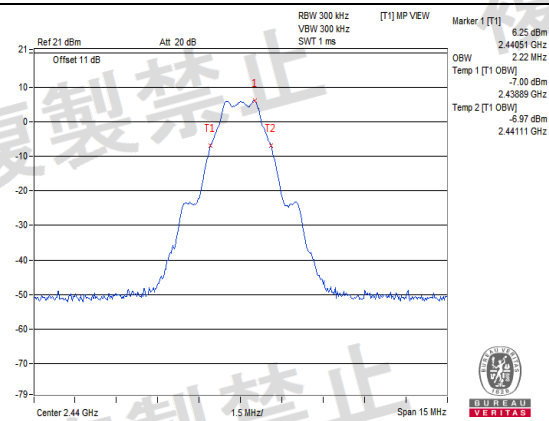
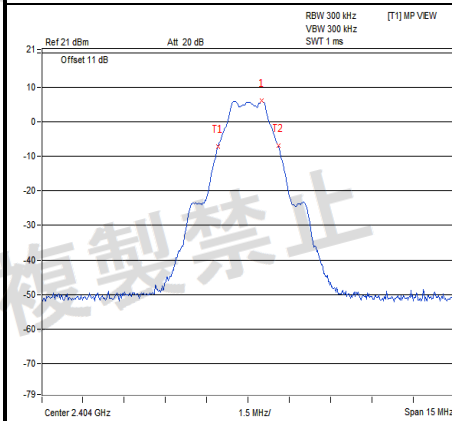
Measurement uncertainty: ± 206.50 Hz



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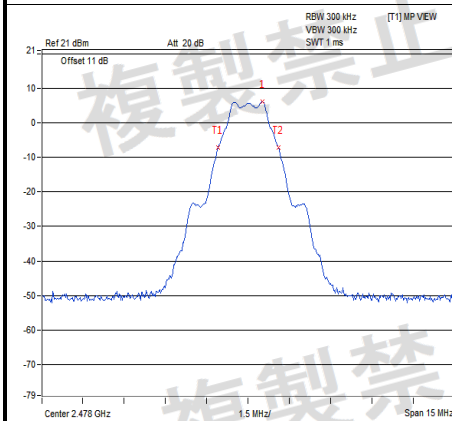
Test Report No.: RJ2606WDG0365-1

V+10%



Channel 0

Channel 18



Channel 37

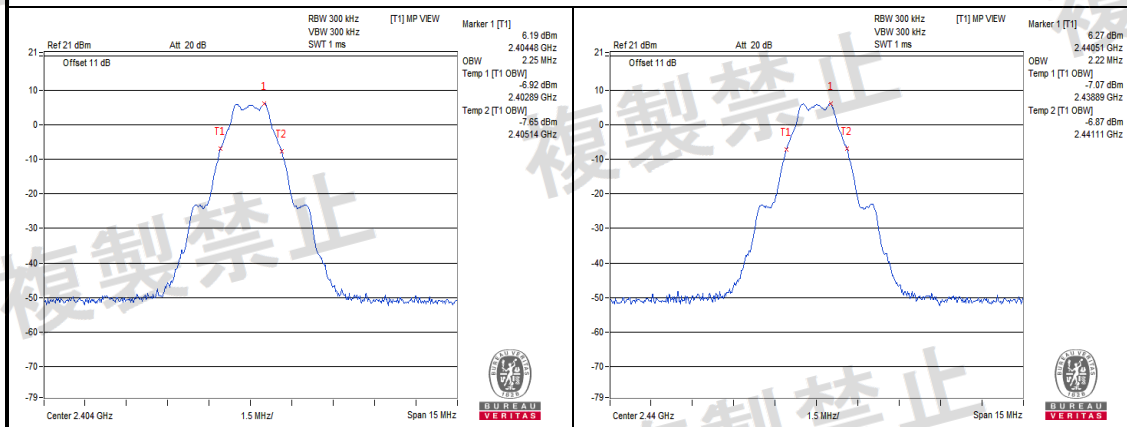
Measurement uncertainty: ± 206.50 Hz



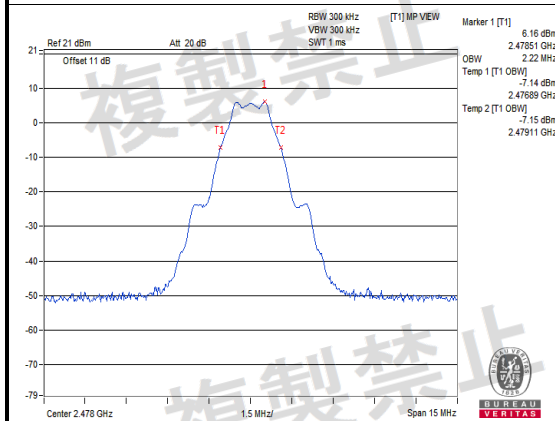
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V-10%



Channel 0



Channel 18



Channel 37

Measurement uncertainty: ± 206.50 Hz

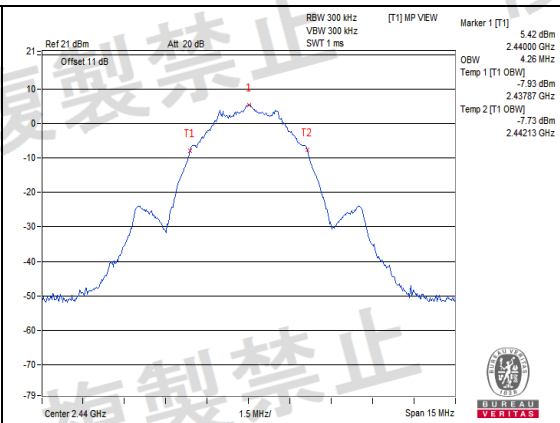
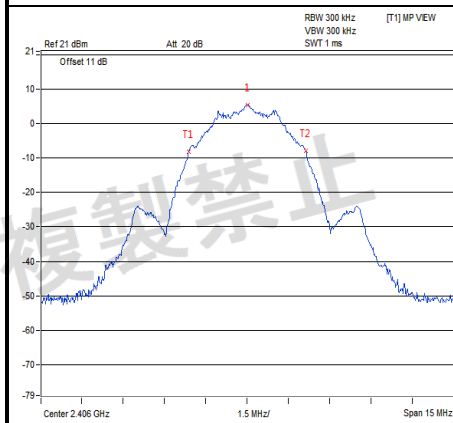


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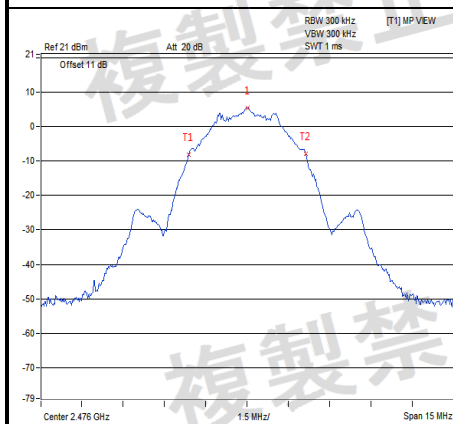
Test Report No.: RJ2606WDG0365-1

For GFSK 4Mbps:

Vnormal



Channel 1



Channel 18

Channel 36

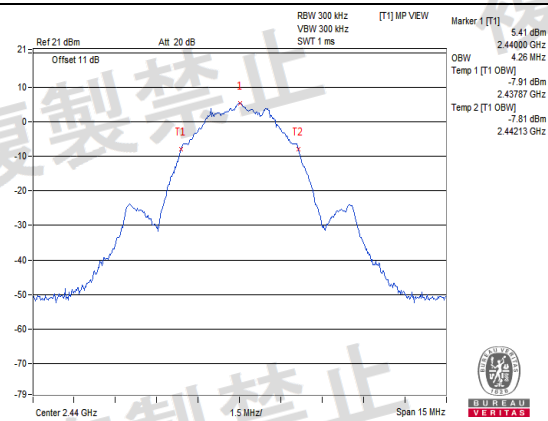
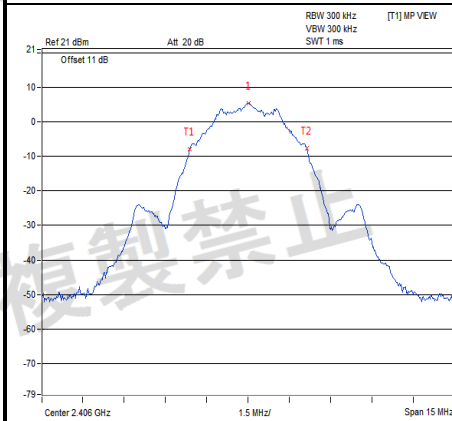
Measurement uncertainty: ± 206.50 Hz



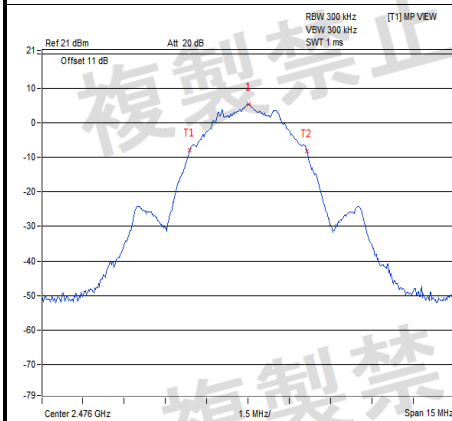
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V+10%



Channel 1



Channel 18

Channel 36

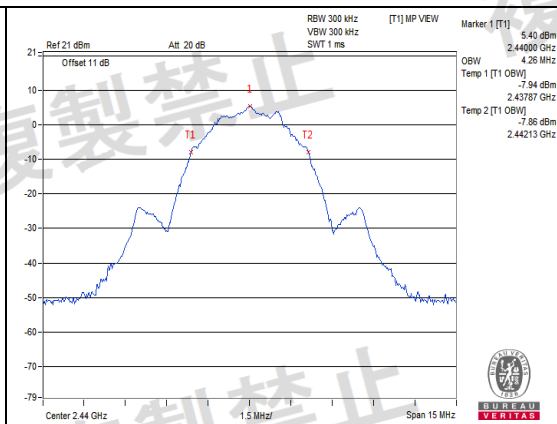
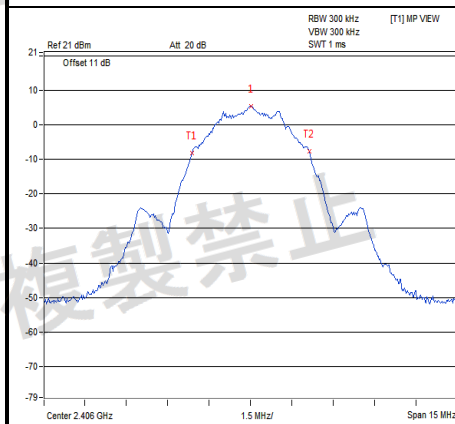
Measurement uncertainty: ± 206.50 Hz



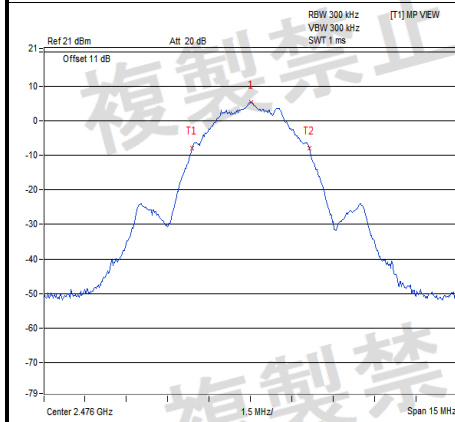
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V-10%



Channel 1



Channel 18

Channel 36

Measurement uncertainty: ± 206.50 Hz

3.3 SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT

3.3.1 LIMITS OF SPURIOUS EMISSIONS

Frequencies (MHz)	Limit
Operating frequency 2400 to 2483.5MHz	
$2387 \leq f < 2400$	$\leq 25 \text{ uW/MHz}$
$2483.5 < f \leq 2496.5$	$\leq 25 \text{ uW/MHz}$
All other frequencies	$\leq 2.5 \text{ uW/MHz}$

3.3.2 TEST METHOD

According to MIC Notice No. 88 Appendix 43.



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3.3.3 SUMMARY OF TEST RESULT

For GFSK 2Mbps:

TEST CHANNEL		CH 0 (2404MHz)		CH 18 (2440MHz)		LIMIT (uW/MHz)	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE ((uW/MHz))	FREQUENCY (MHz)	MEASURE. VALUE (uW/MHz)		
Vnormal	30.0MHz to 1000.0MHz	46.490	0.006419	60.550	0.005528	2.50	PASS
	1000.0MHz to 2387MHz	2375.900	0.005623	2363.070	0.00444	2.5	PASS
	2387.0MHz to 2400.0MHz	2399.600	0.018673	2395.320	0.005882	25	PASS
	2483.5MHz to 2496.5MHz	2496.330	0.00622	2483.730	0.007008	25	PASS
	2496.5MHz to 12500.0MHz	6918.040	0.012118	6965.560	0.011762	2.5	PASS
V+10%	30.0MHz to 1000.0MHz	46.970	0.00523	47.940	0.003753	2.5	PASS
	1000.0MHz to 2387MHz	2366.540	0.006804	2135.600	0.005314	2.5	PASS
	2387.0MHz to 2400.0MHz	2400.000	0.019974	2390.130	0.007021	25	PASS
	2483.5MHz to 2496.5MHz	2484.170	0.006301	2489.620	0.007101	25	PASS
	2496.5MHz to 12500.0MHz	6895.530	0.01184	6900.540	0.010801	2.5	PASS
V-10%	30.0MHz to 1000.0MHz	63.700	0.006253	886.510	0.003105	2.5	PASS
	1000.0MHz to 2387MHz	2227.840	0.005534	2135.250	0.005174	2.5	PASS
	2387.0MHz to 2400.0MHz	2399.890	0.020038	2396.270	0.006938	25	PASS
	2483.5MHz to 2496.5MHz	2493.390	0.006467	2488.890	0.006787	25	PASS
	2496.5MHz to 12500.0MHz	6950.550	0.013618	6893.030	0.013537	2.5	PASS



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TEST CHANNEL		CH 37 (2478MHz)		LIMIT (μ W/MHz)	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE (μ W/MHz)		
Vnormal	30.0MHz to 1000.0MHz	871.710	0.003304	2.50	PASS
	1000.0MHz to 2387MHz	2304.820	0.004472	2.5	PASS
	2387.0MHz to 2400.0MHz	2398.060	0.008778	25	PASS
	2483.5MHz to 2496.5MHz	2484.760	0.017675	25	PASS
	2496.5MHz to 12500.0MHz	6895.530	0.010077	2.5	PASS
V+10%	30.0MHz to 1000.0MHz	949.800	0.003187	2.50	PASS
	1000.0MHz to 2387MHz	2168.890	0.00513	2.5	PASS
	2387.0MHz to 2400.0MHz	2397.860	0.007698	25	PASS
	2483.5MHz to 2496.5MHz	2484.870	0.016913	25	PASS
	2496.5MHz to 12500.0MHz	6978.060	0.011767	2.5	PASS
V-10%	30.0MHz to 1000.0MHz	713.600	0.003299	2.50	PASS
	1000.0MHz to 2387MHz	2203.910	0.004779	2.5	PASS
	2387.0MHz to 2400.0MHz	2398.320	0.008806	25	PASS
	2483.5MHz to 2496.5MHz	2487.750	0.016714	25	PASS
	2496.5MHz to 12500.0MHz	6930.550	0.011318	2.5	PASS

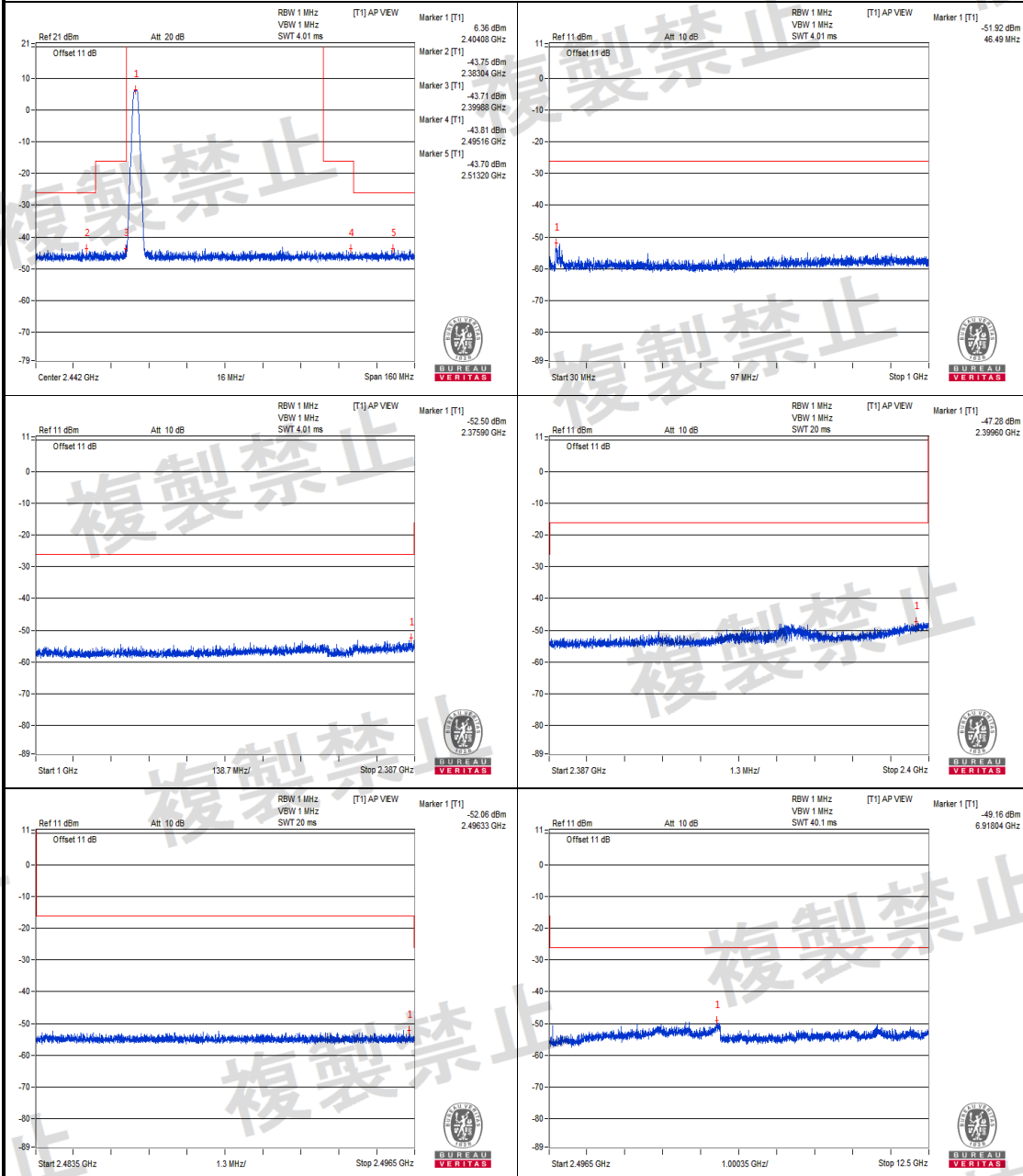
NOTE: 1. The worst value in each frequency range v.s. each channel has been marked by boldface.
2. The spectrum plots are attached on the following pages.



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Vnormal Channel 0



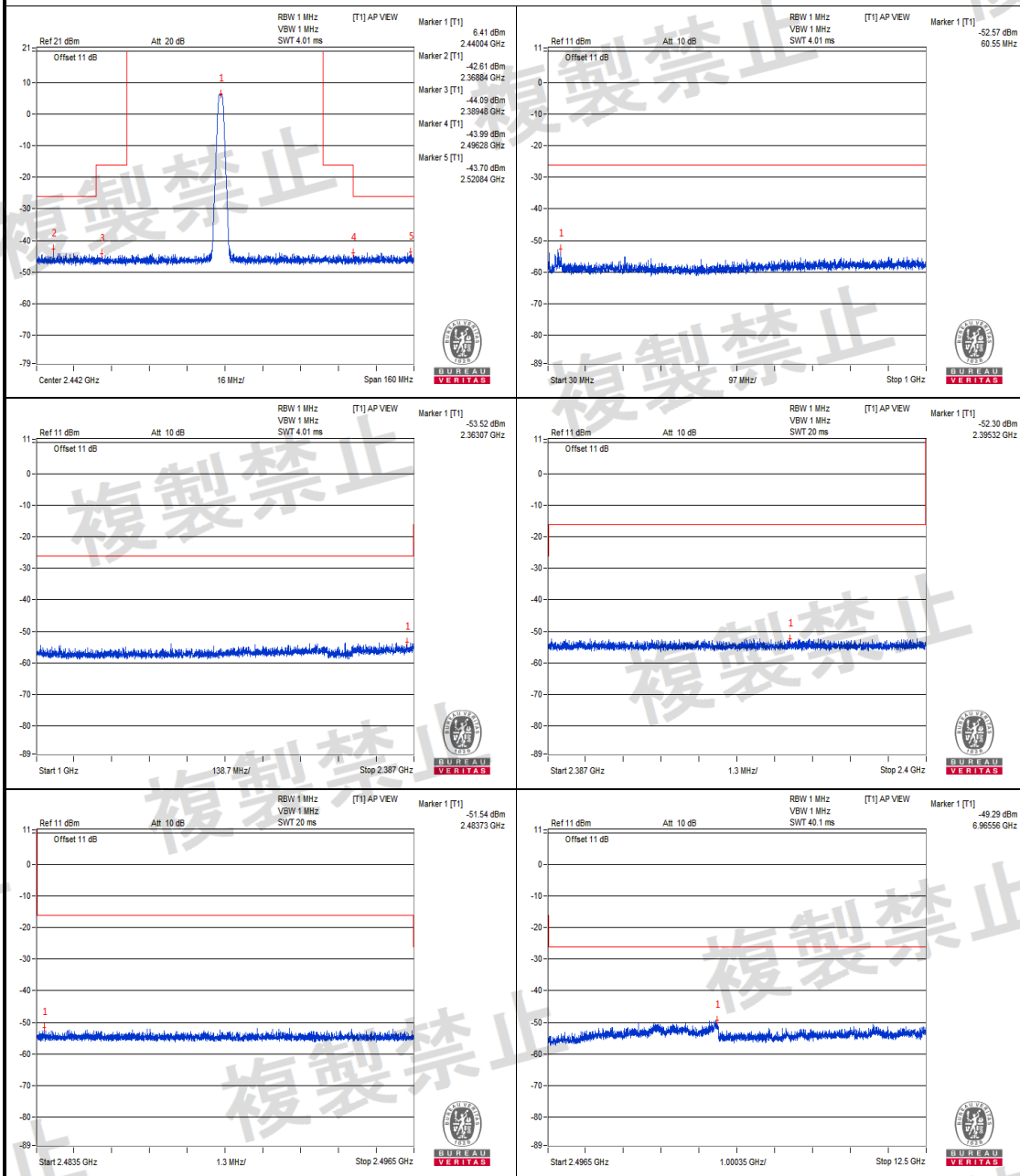
Measurement uncertainty: $\pm 3.93\text{dB}$



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Vnormal Channel 18



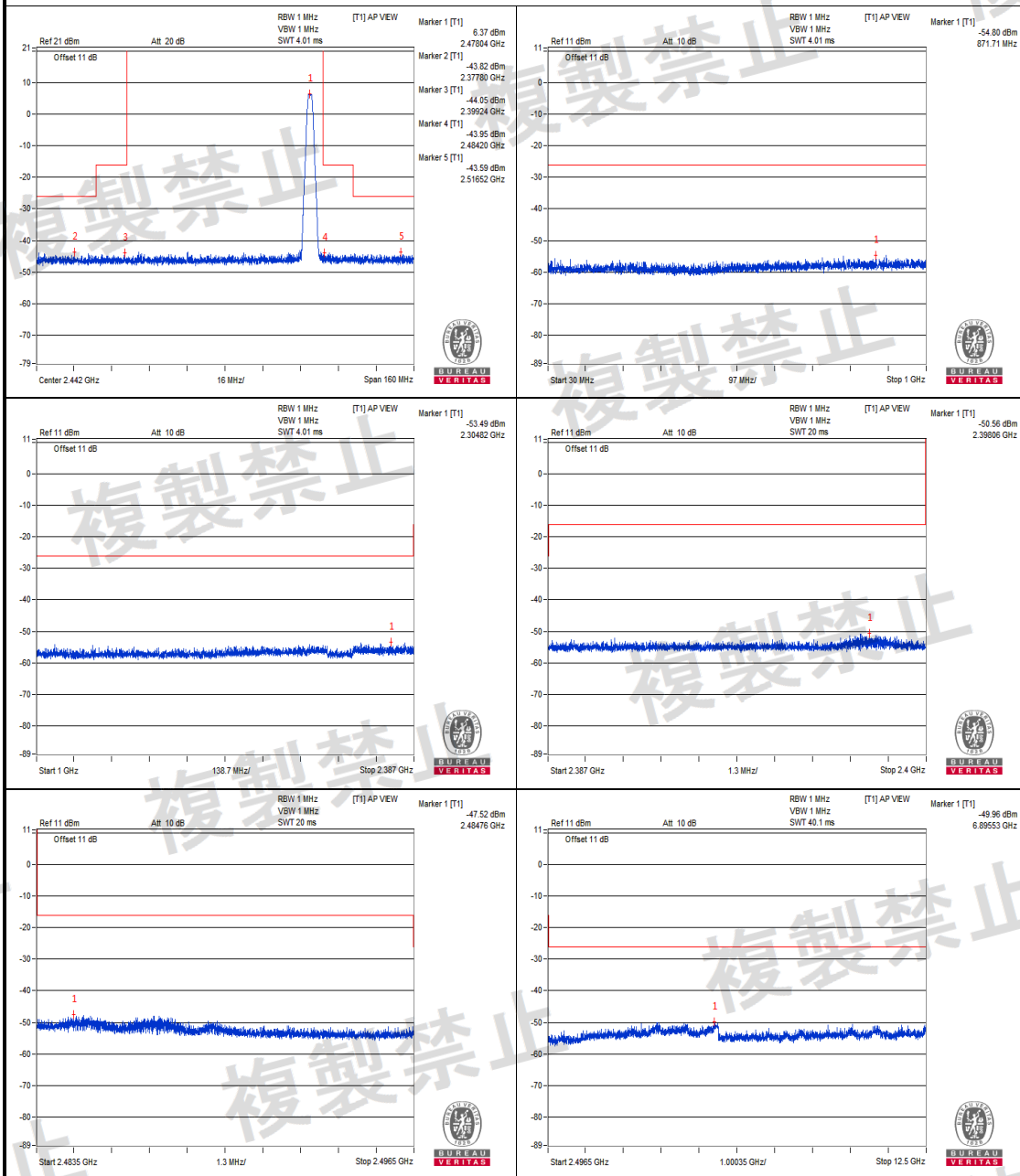
Measurement uncertainty: $\pm 3.93\text{dB}$



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Vnormal
Channel 37



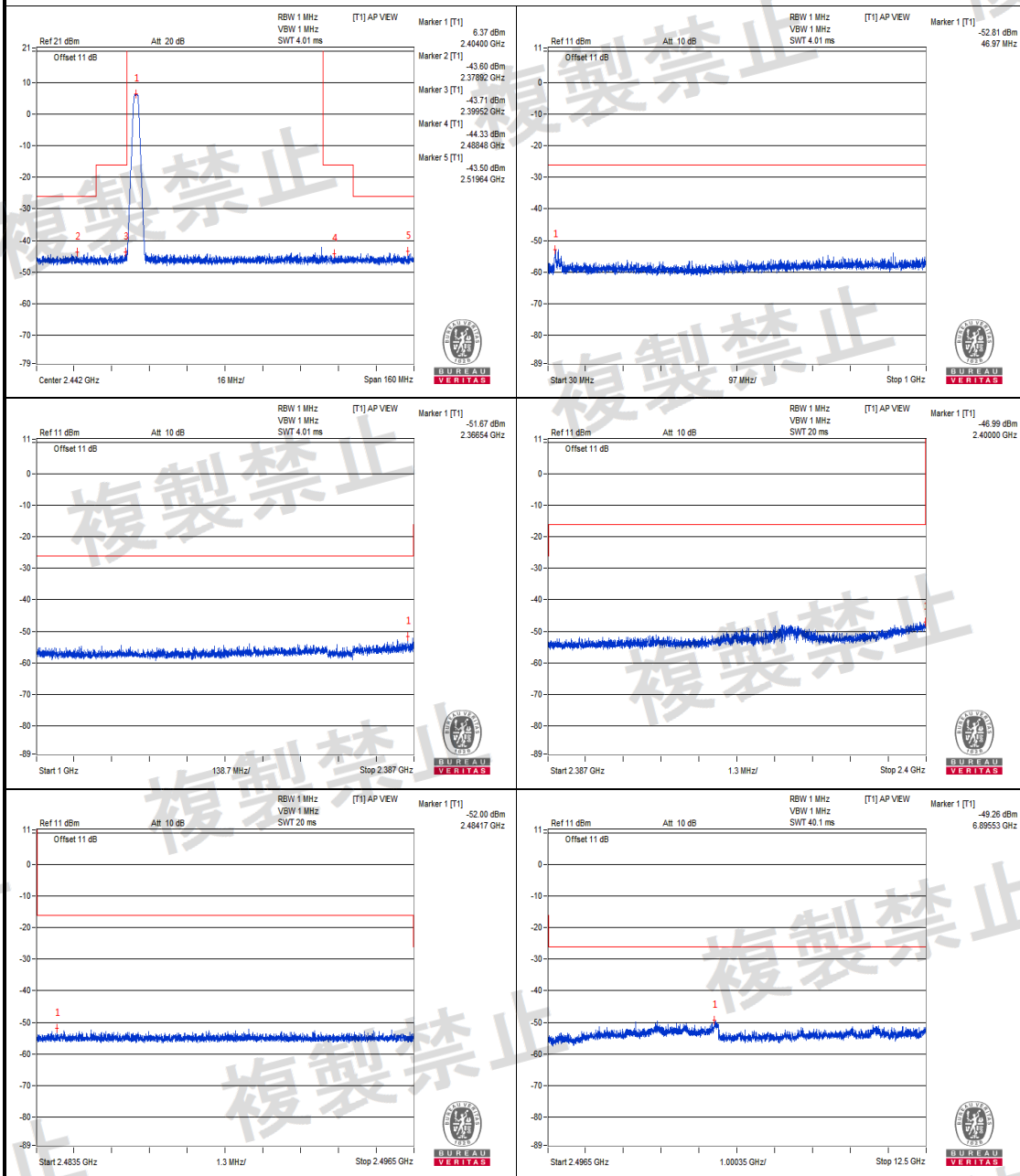
Measurement uncertainty: $\pm 3.93\text{dB}$



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V+10%
Channel 0



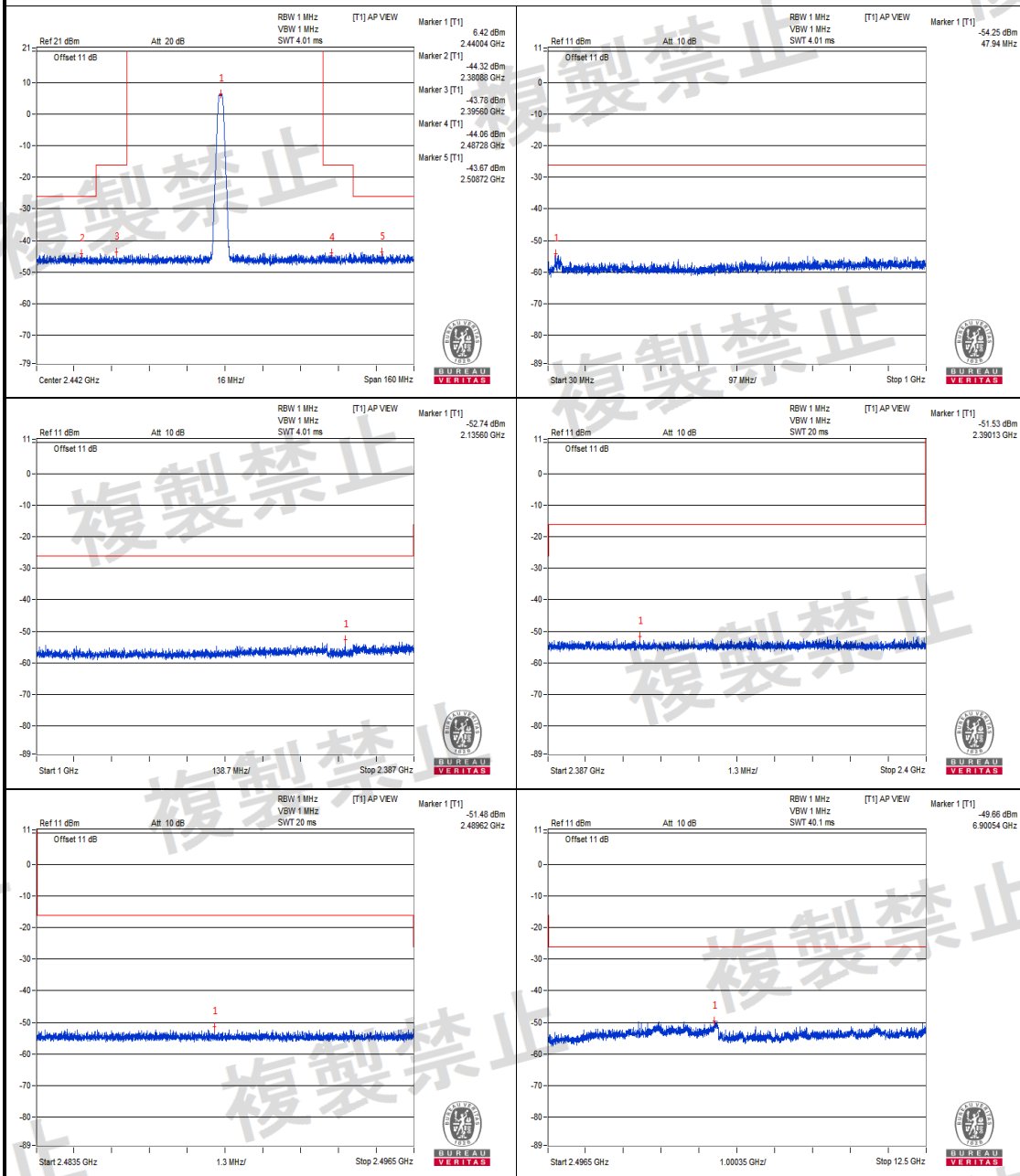
Measurement uncertainty: $\pm 3.93\text{dB}$



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V+10%
Channel 18



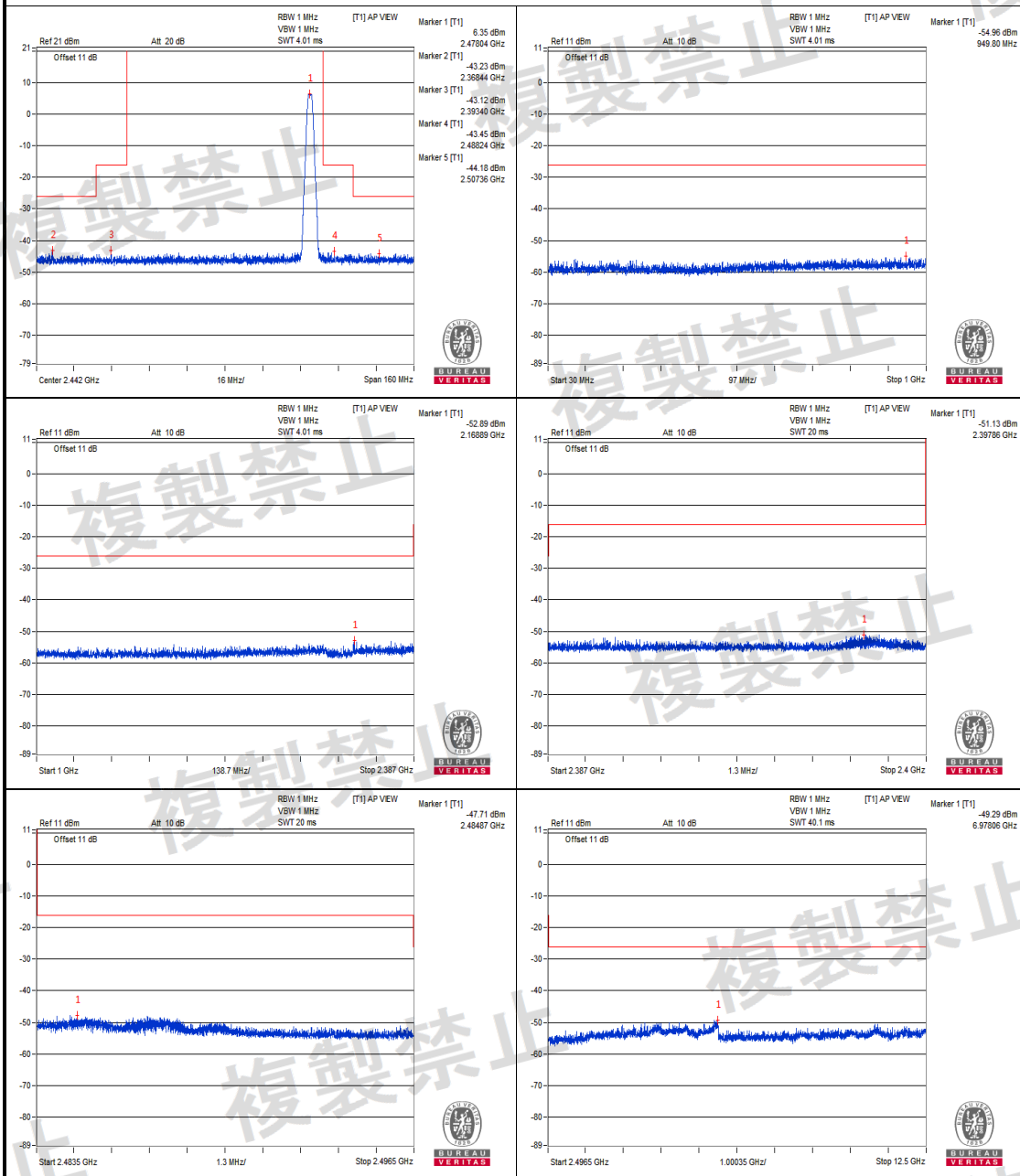
Measurement uncertainty: $\pm 3.93\text{dB}$



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V+10%
Channel 37



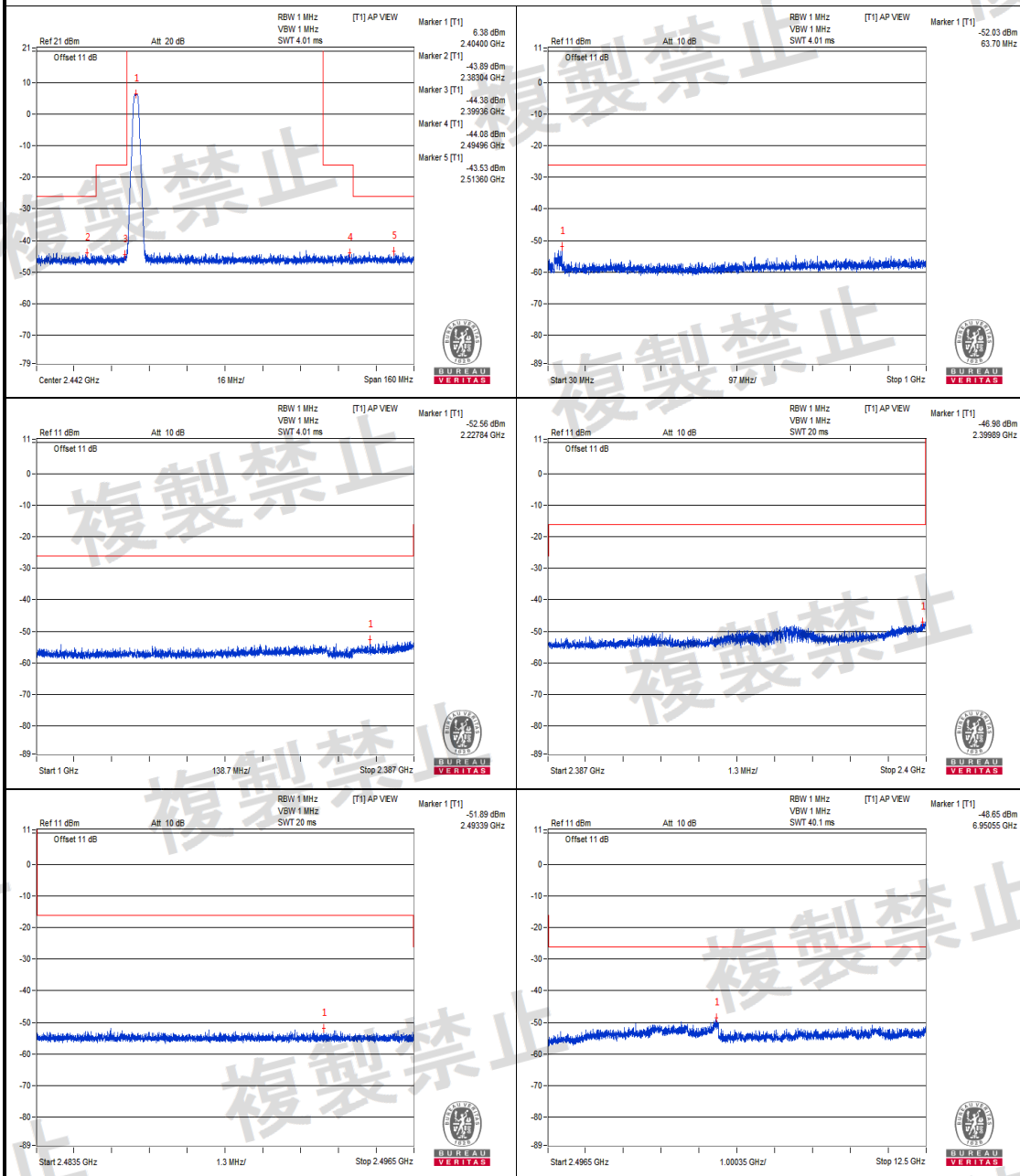
Measurement uncertainty: $\pm 3.93\text{dB}$



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Test Report No.: RJ2606WDG0365-1

V-10%
Channel 0



Measurement uncertainty: $\pm 3.93\text{dB}$

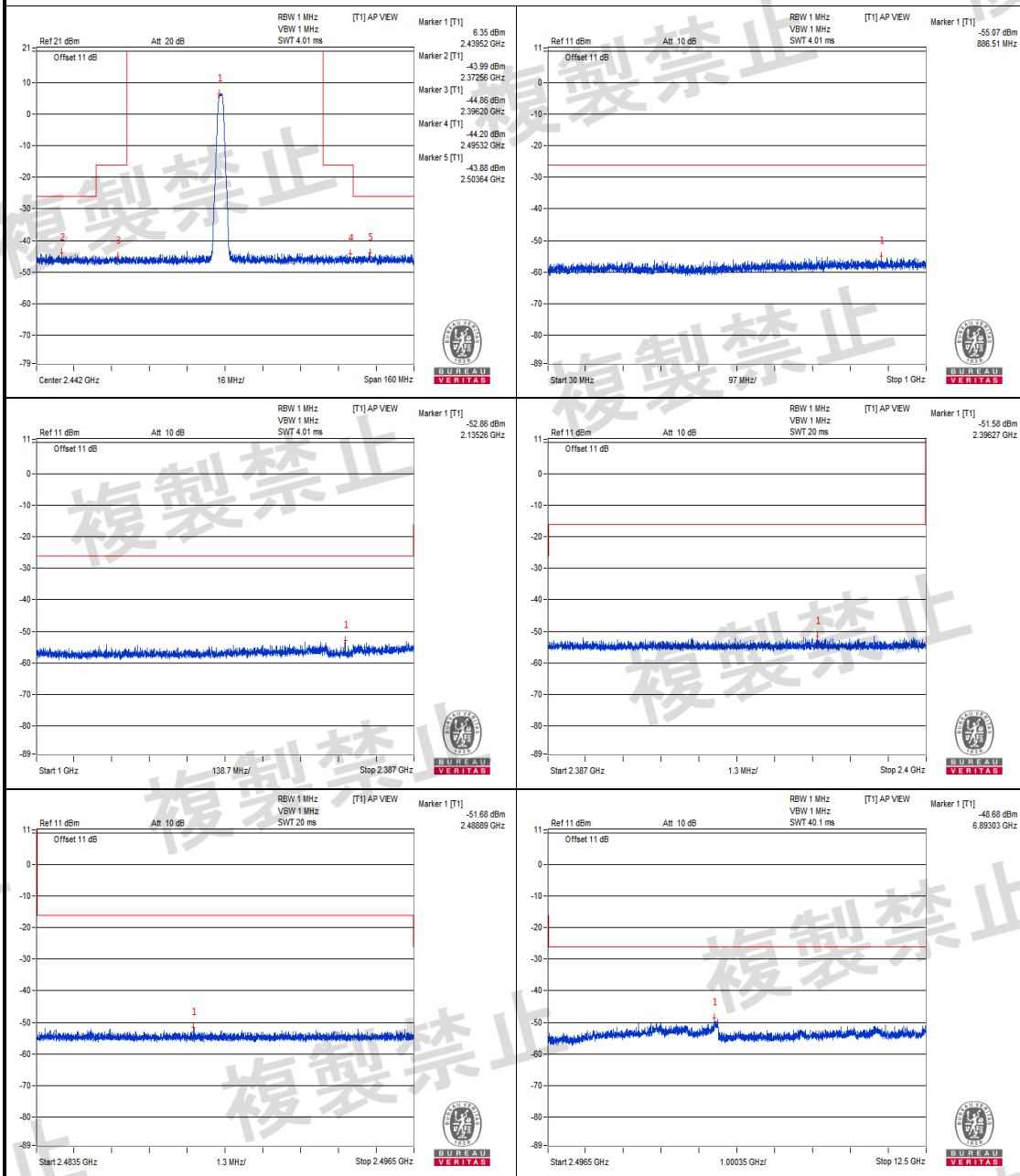


BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

V-10%

Channel 18



Measurement uncertainty: $\pm 3.93\text{dB}$

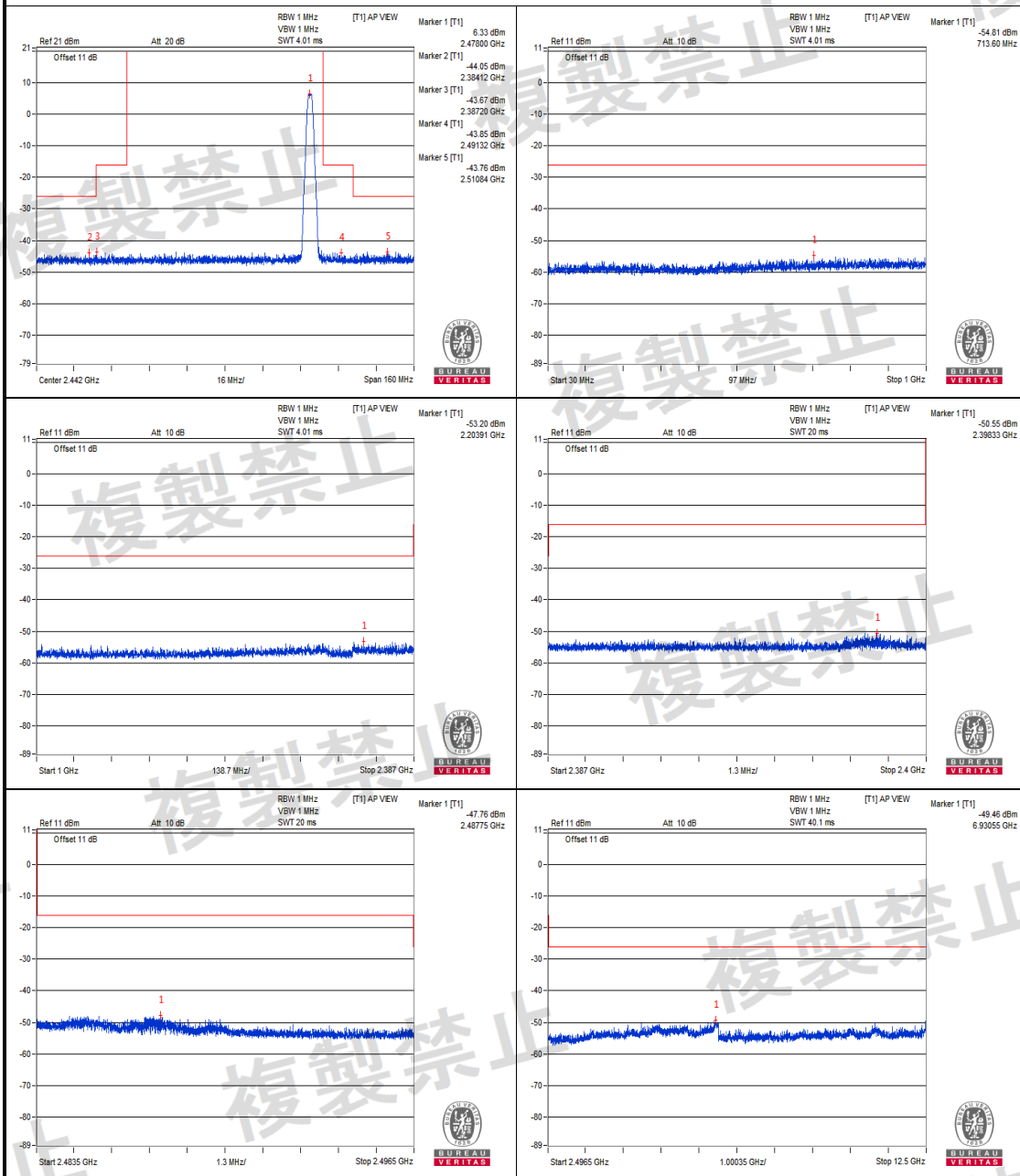


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VERITAS

Test Report No.: RJ2606WDG0365-1

V-10%

Channel 37



Measurement uncertainty: $\pm 3.93\text{dB}$



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Test Report No.: RJ2606WDG0365-1

For GFSK 4Mbps:

TEST CHANNEL		CH 1 (2406MHz)		CH 18 (2440MHz)		LIMIT (uW/MHz)	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE (uW/MHz)	FREQUENCY (MHz)	MEASURE. VALUE (uW/MHz)		
Vnormal	30.0MHz to 1000.0MHz	61.520	0.003257	941.070	0.002972	2.5	PASS
	1000.0MHz to 2387MHz	2355.090	0.007697	2374.510	0.007195	2.5	PASS
	2387.0MHz to 2400.0MHz	2399.970	0.027491	2399.840	0.007612	25	PASS
	2483.5MHz to 2496.5MHz	2485.090	0.005892	2496.020	0.009951	25	PASS
	2496.5MHz to 12500.0MHz	6910.540	0.010804	6890.530	0.01305	2.5	PASS
V+10%	30.0MHz to 1000.0MHz	654.190	0.00326	973.080	0.003441	2.5	PASS
	1000.0MHz to 2387MHz	2353.360	0.008331	2374.170	0.00814	2.5	PASS
	2387.0MHz to 2400.0MHz	2399.950	0.02897	2399.790	0.007693	25	PASS
	2483.5MHz to 2496.5MHz	2492.220	0.005822	2496.150	0.007019	25	PASS
	2496.5MHz to 12500.0MHz	6953.050	0.010439	6900.540	0.01176	2.5	PASS
V-10%	30.0MHz to 1000.0MHz	790.720	0.003261	844.070	0.003439	2.5	PASS
	1000.0MHz to 2387MHz	2354.400	0.006683	2375.900	0.0068	2.5	PASS
	2387.0MHz to 2400.0MHz	2399.920	0.023196	2399.630	0.007504	25	PASS
	2483.5MHz to 2496.5MHz	2484.440	0.006048	2496.280	0.010052	25	PASS
	2496.5MHz to 12500.0MHz	6890.530	0.013661	6995.570	0.011384	2.5	PASS



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Test Report No.: RJ2606WDG0365-1

TEST CHANNEL		CH 36 (2476MHz)		LIMIT (uW/MHz)	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE (uW/MHz)		
Vnormal	30.0MHz to 1000.0MHz	999.270	0.003117	2.5	PASS
	1000.0MHz to 2387MHz	2312.100	0.005036	2.5	PASS
	2387.0MHz to 2400.0MHz	2388.070	0.006032	25	PASS
	2483.5MHz to 2496.5MHz	2483.580	0.014839	25	PASS
	2496.5MHz to 12500.0MHz	5292.470	0.013265	2.5	PASS
V+10%	30.0MHz to 1000.0MHz	957.320	0.003348	2.5	PASS
	1000.0MHz to 2387MHz	2355.440	0.005728	2.5	PASS
	2387.0MHz to 2400.0MHz	2387.470	0.005358	25	PASS
	2483.5MHz to 2496.5MHz	2483.630	0.015929	25	PASS
	2496.5MHz to 12500.0MHz	6953.050	0.012686	2.5	PASS
V-10%	30.0MHz to 1000.0MHz	762.350	0.003194	2.5	PASS
	1000.0MHz to 2387MHz	2365.840	0.004905	2.5	PASS
	2387.0MHz to 2400.0MHz	2387.200	0.005966	25	PASS
	2483.5MHz to 2496.5MHz	2483.510	0.015671	25	PASS
	2496.5MHz to 12500.0MHz	6915.540	0.01163	2.5	PASS

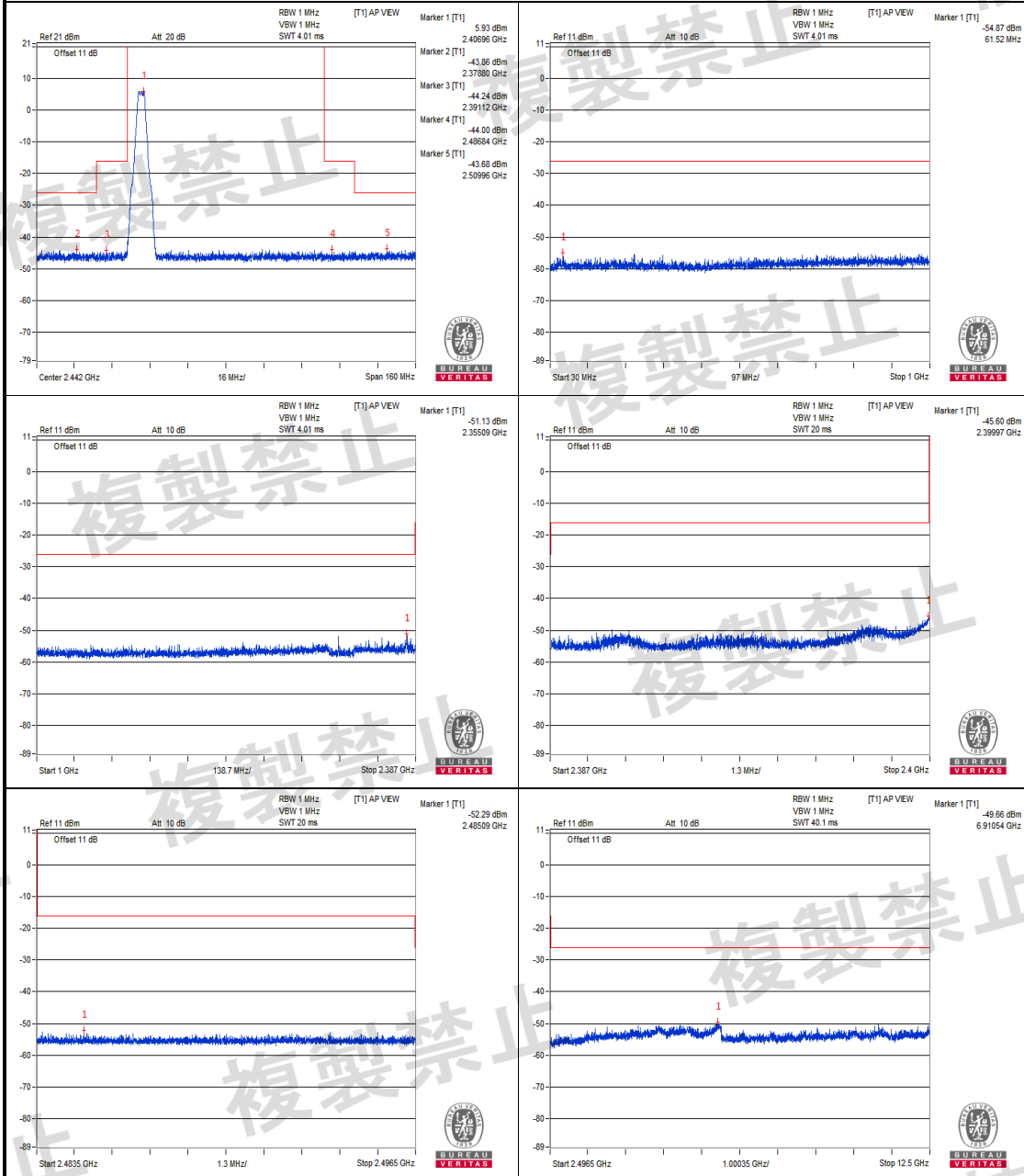
NOTE: 1. The worst value in each frequency range v.s. each channel has been marked by boldface.
2. The spectrum plots are attached on the following pages.



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Test Report No.: RJ2606WDG0365-1

Vnormal Channel 1



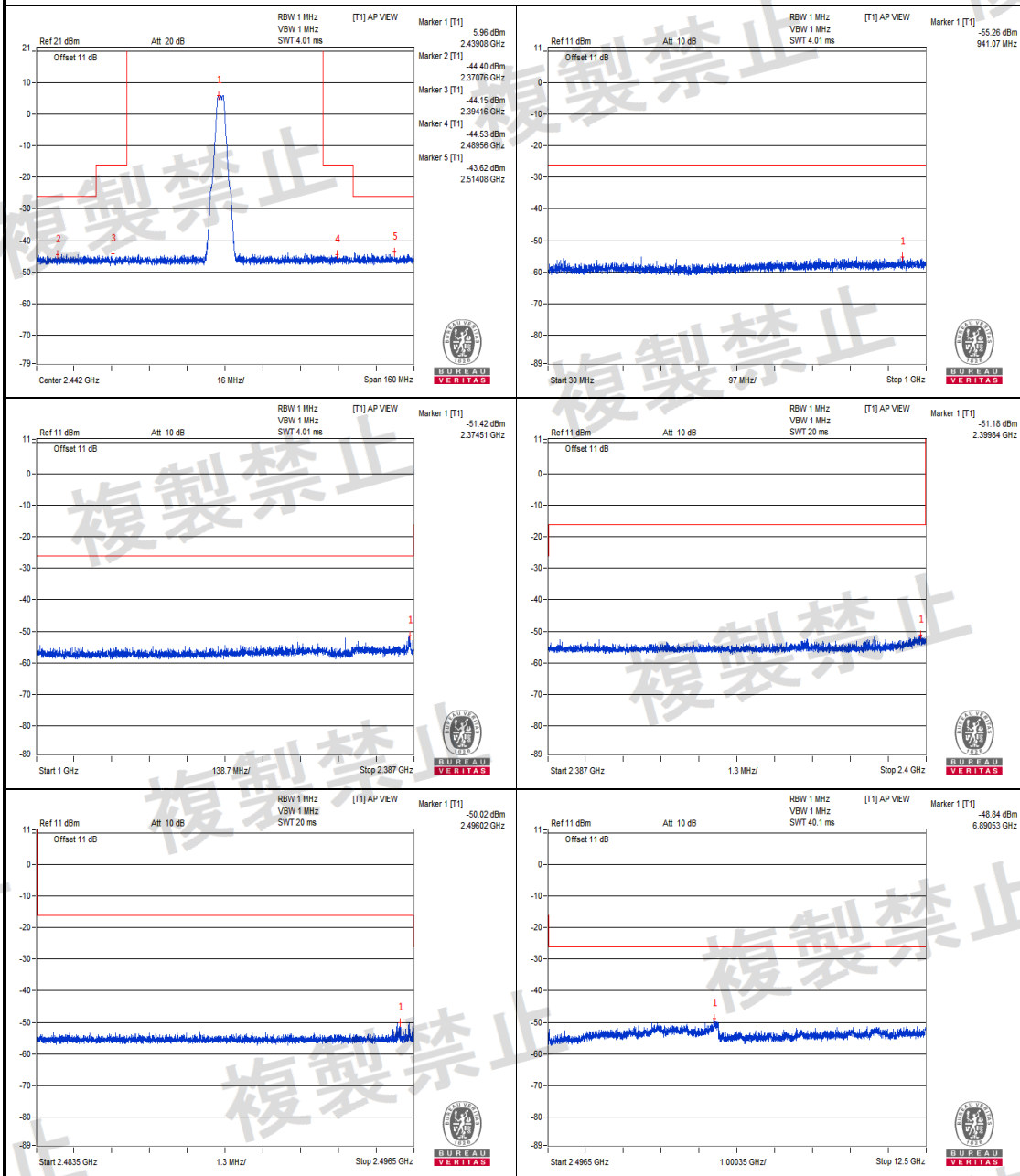
Measurement uncertainty: $\pm 3.93\text{dB}$



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Test Report No.: RJ2606WDG0365-1

Vnormal Channel 18



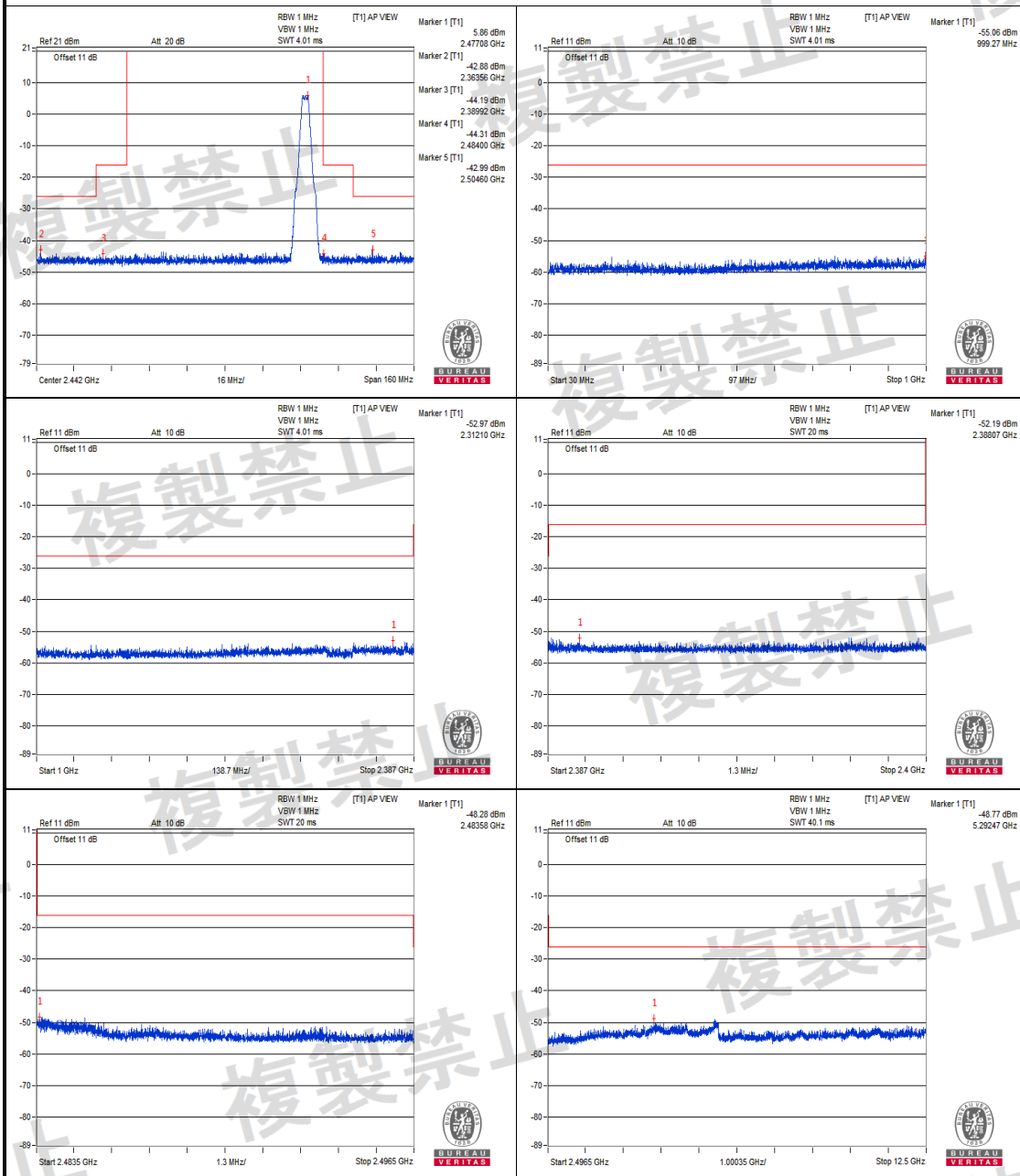
Measurement uncertainty: $\pm 3.93\text{dB}$



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Test Report No.: RJ2606WDG0365-1

Vnormal Channel 36



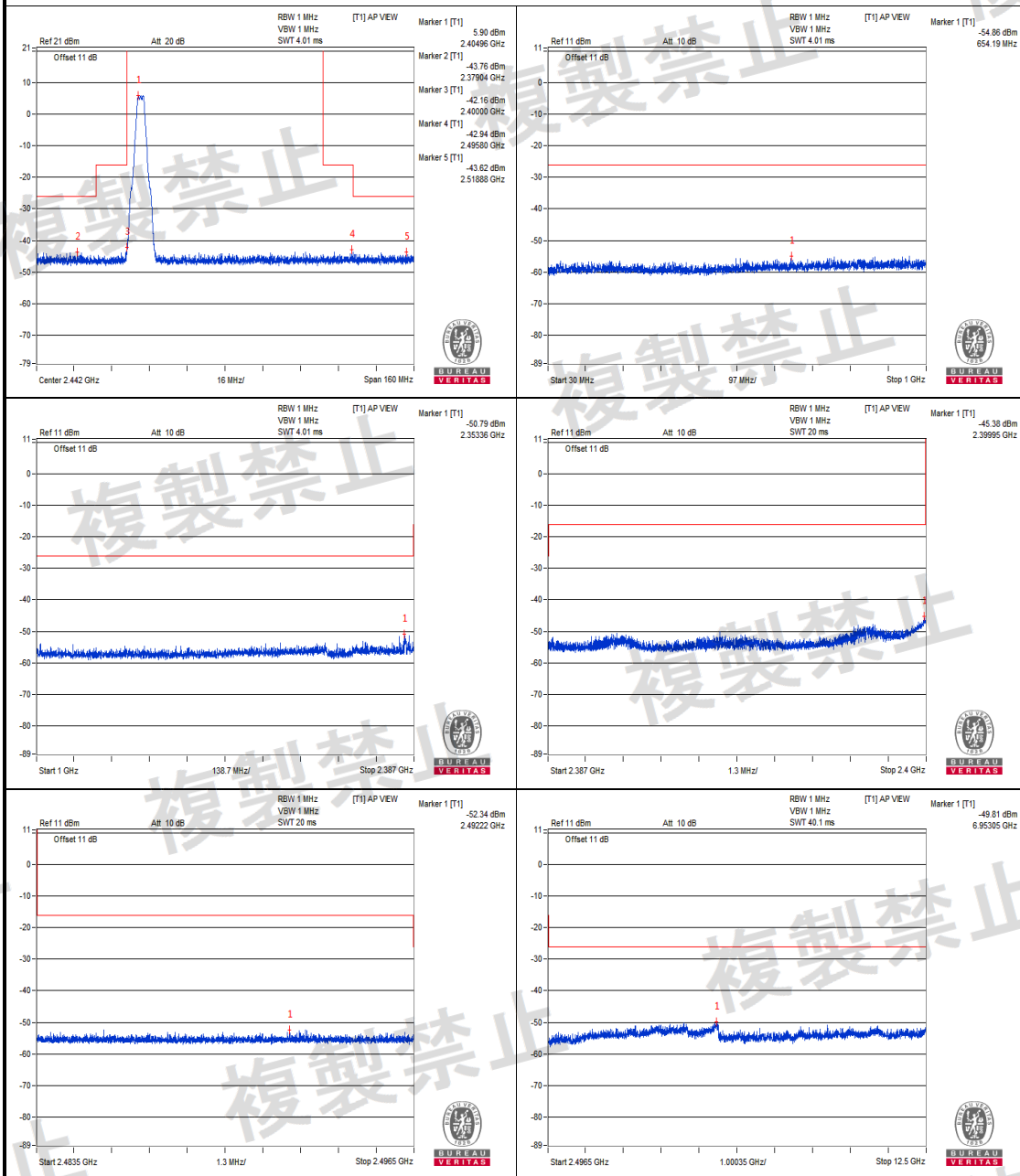
Measurement uncertainty: $\pm 3.93\text{dB}$



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VERITAS

Test Report No.: RJ2606WDG0365-1

V+10%
Channel 1



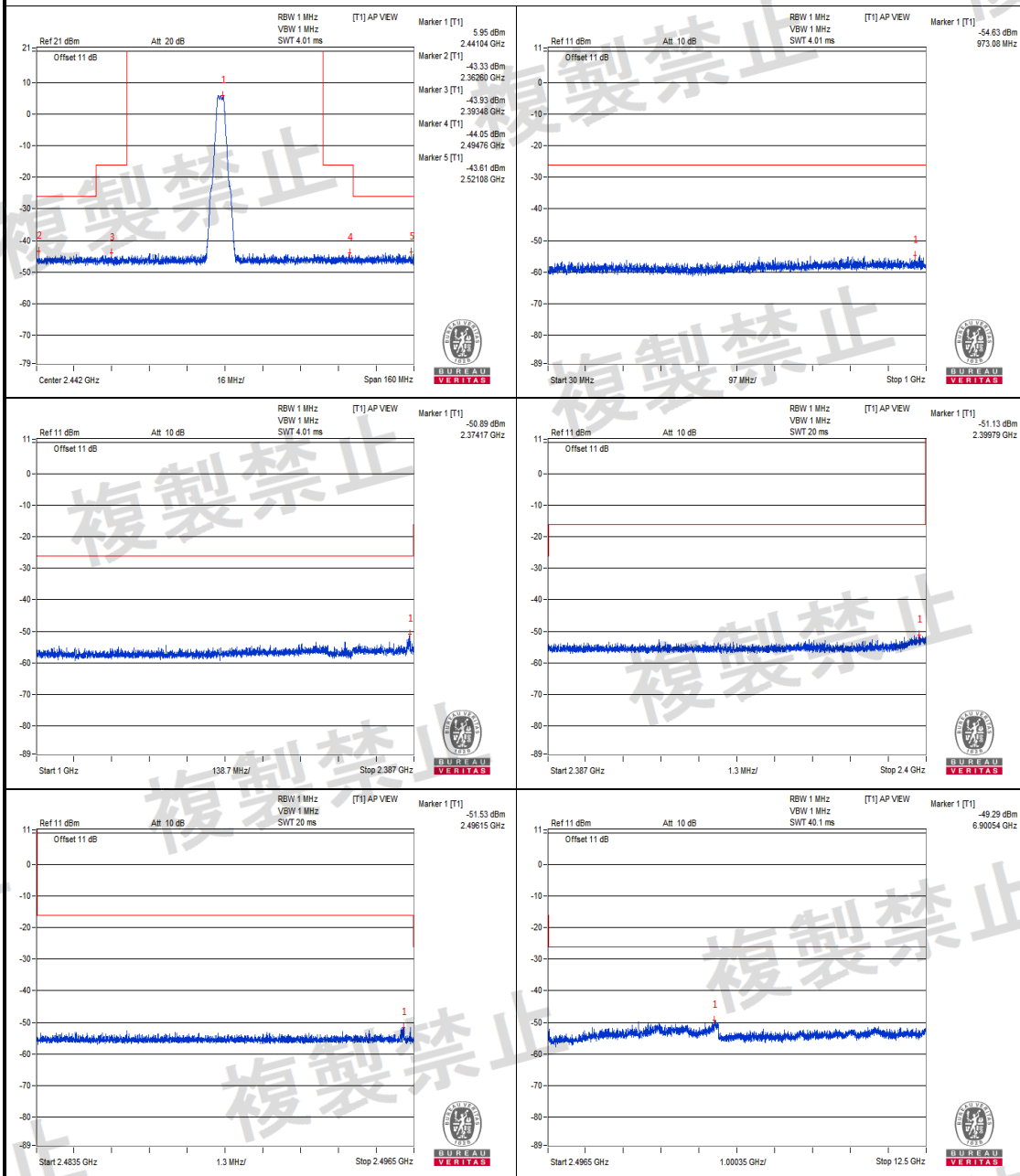
Measurement uncertainty: $\pm 3.93\text{dB}$



BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

V+10%
Channel 18



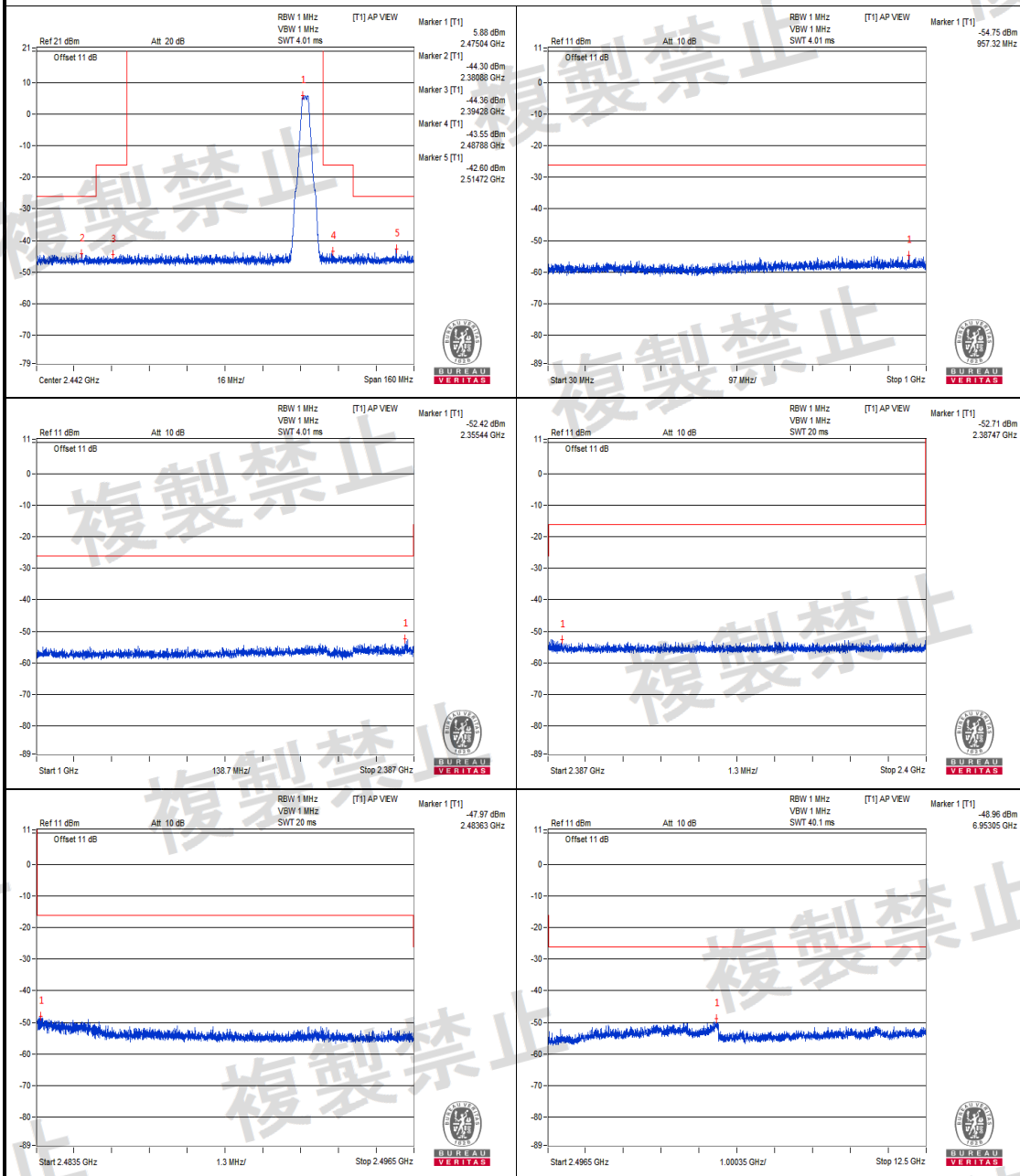
Measurement uncertainty: $\pm 3.93\text{dB}$



BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

V+10%
Channel 36



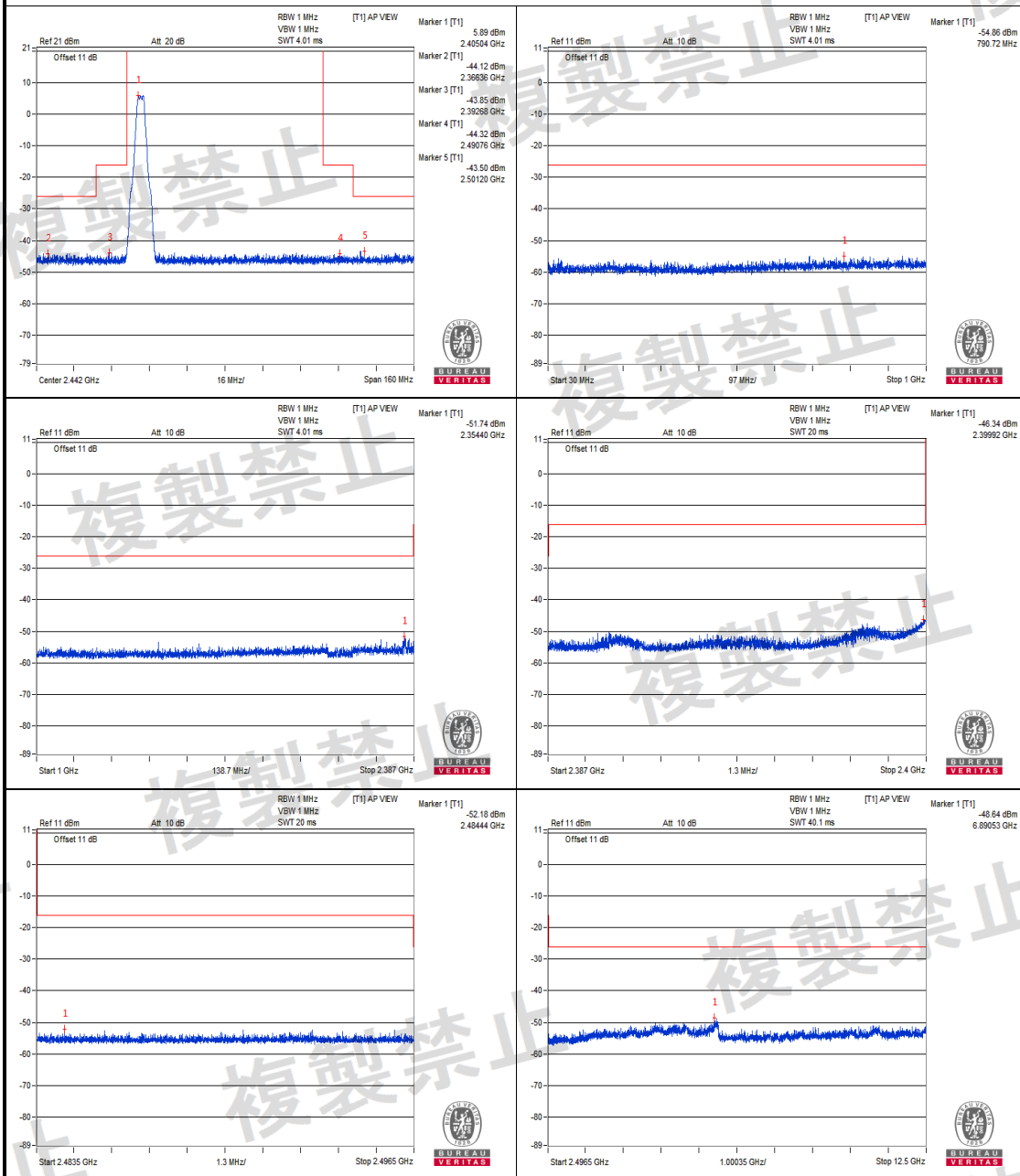
Measurement uncertainty: $\pm 3.93\text{dB}$



BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

V-10%
Channel 1



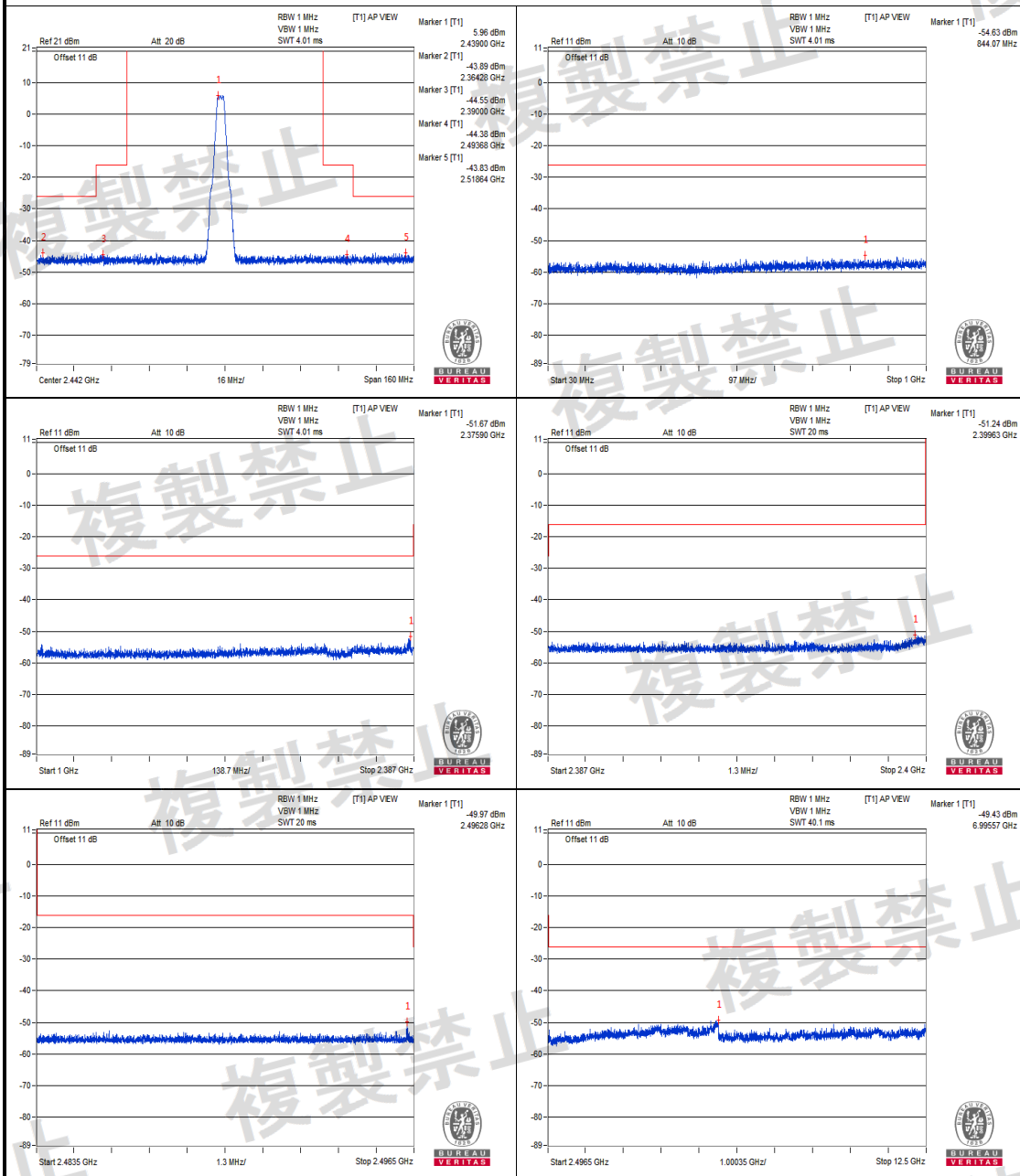
Measurement uncertainty: $\pm 3.93\text{dB}$



BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

V-10%
Channel 18



Measurement uncertainty: $\pm 3.93\text{dB}$

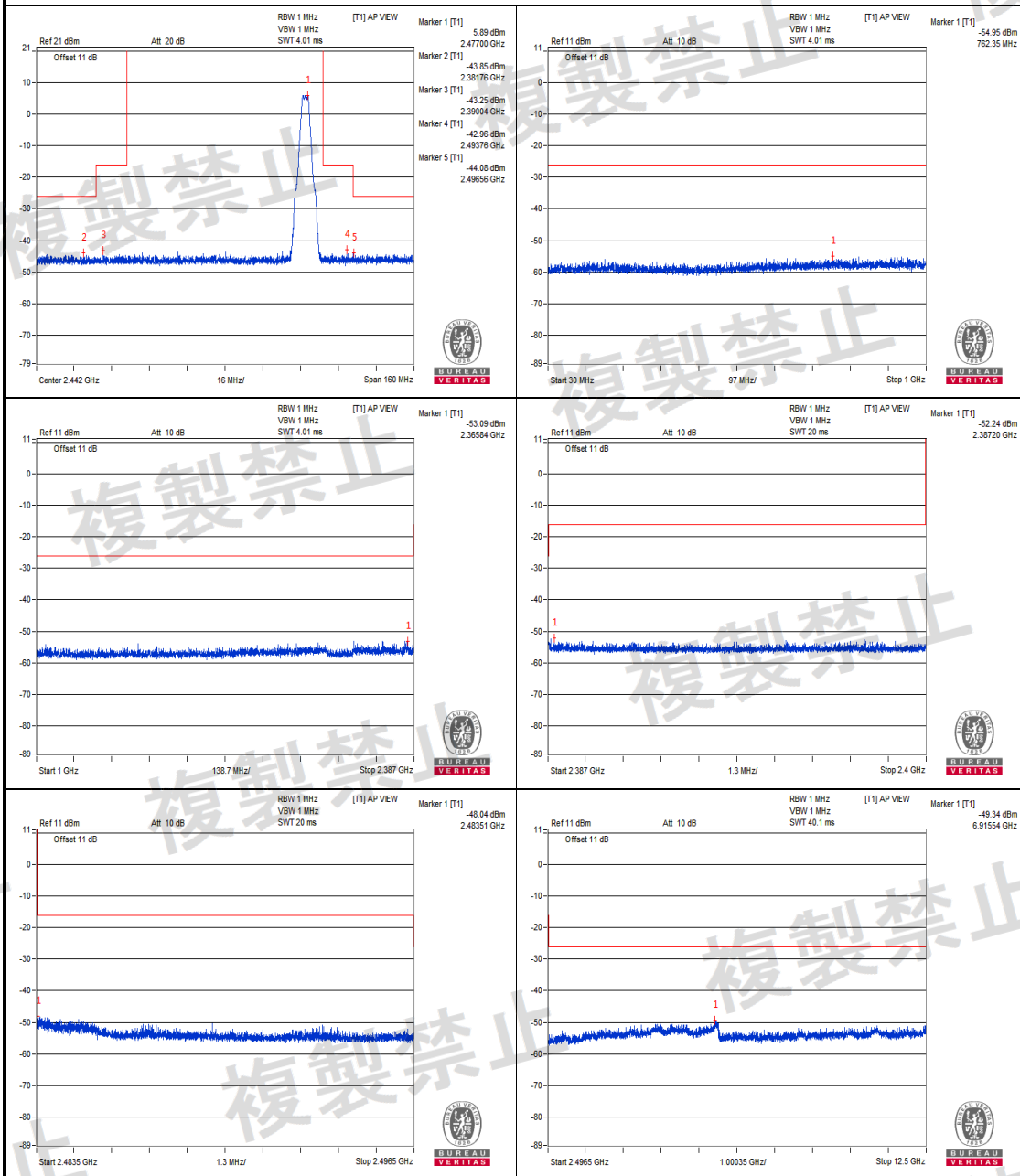


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Test Report No.: RJ2606WDG0365-1

V-10%

Channel 36



Measurement uncertainty: $\pm 3.93\text{dB}$

3.4 ANTENNA POWER MEASUREMENT

3.4.1 LIMITS OF ANTENNA POWER

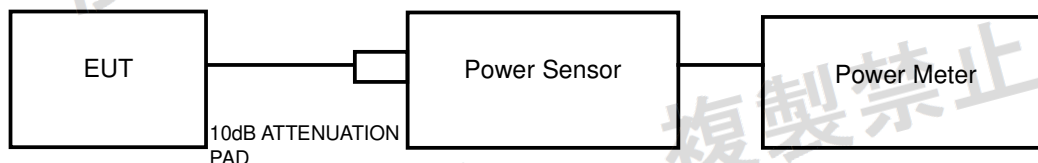
Antenna power shall be 10 mW or less.

Tolerance of antenna power shall be +20% (upper value).

3.4.2 TEST METHOD

According to MIC Notice No. 88 Appendix 43.

3.4.3 TEST SETUP



3.4.4 TEST PROCEDURE

1. The transmitter output was connected to the power meter through an attenuator; the bandwidth of the fundamental frequency was measured with the power meter.
2. Record the power level.



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Test Report No.: RJ2606WDG0365-1

3.4.5 TEST RESULT

For GFSK 2Mbps:

ENVIRONMENTAL CONDITIONS	23 deg.C, 56 % RH		
TEST CONDITION	Conducted RF output power (mW)		
	Low Channel 2404MHz	Middle Channel 2440MHz	High Channel 2478MHz
Normal Voltage	3.184	3.083	3.006
TOLERANCE (%)	-9.03	-11.91	-14.11
Max Voltage	3.296	3.177	3.148
TOLERANCE (%)	-5.83	-9.23	-10.06
Min Voltage	3.076	2.904	2.877
TOLERANCE (%)	-12.11	-17.03	-17.80
Rated power	3.5		
Tolerance of antenna power	<4.2		

ENVIRONMENTAL CONDITIONS	23 deg.C, 56 % RH			
TEST CONDITION	EIRP output power			
	Low Channel 2404MHz	Middle Channel 2440MHz	High Channel 2478MHz	MAX. LIMIT
V_{normal}	4.819 mW (6.83 dBm)	4.666 mW (6.69 dBm)	4.550 mW (6.58 dBm)	16.367 mW (12.14 dBm)
V_{+10%}	4.989 mW (6.98 dBm)	4.809 mW (6.82 dBm)	4.765 mW (6.78 dBm)	16.367 mW (12.14 dBm)
V_{-10%}	4.656 mW (6.68 dBm)	4.395 mW (6.43 dBm)	4.355 mW (6.39 dBm)	16.367 mW (12.14 dBm)

NOTE: 1. The value of radiated RF output densities are "calculated" values.

2. Formula: EIRP output power = Conducted RF output power + Antenna Gain.



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Test Report No.: RJ2606WDG0365-1

For GFSK 4Mbps:

ENVIRONMENTAL CONDITIONS	23 deg.C, 56 % RH		
TEST CONDITION	Conducted RF output power (mW)		
	Low Channel 2406MHz	Middle Channel 2440MHz	High Channel 2476MHz
Normal Voltage	3.516	3.428	3.258
TOLERANCE (%)	-12.10	-14.30	-18.55
Max Voltage	3.776	3.698	3.357
TOLERANCE (%)	-5.60	-7.55	-16.08
Min Voltage	3.381	3.281	3.170
TOLERANCE (%)	-15.48	-17.98	-20.75
Rated power	4.0		
Tolerance of antenna power	<4.8		

ENVIRONMENTAL CONDITIONS	23 deg.C, 56 % RH			
TEST CONDITION	EIRP output power			
	Low Channel 2406MHz	Middle Channel 2440MHz	High Channel 2476MHz	MAX. LIMIT
V_{normal}	5.322 mW (7.26 dBm)	5.188 mW (7.15 dBm)	4.931 mW (6.93 dBm)	16.367 mW (12.14 dBm)
V_{+10%}	5.715 mW (7.57 dBm)	5.597 mW (7.48 dBm)	5.081 mW (7.06 dBm)	16.367 mW (12.14 dBm)
V_{-10%}	5.117 mW (7.09 dBm)	4.966 mW (6.96 dBm)	4.798 mW (6.81 dBm)	16.367 mW (12.14 dBm)

NOTE: 1. The value of radiated RF output densities are "calculated" values.

2. Formula: EIRP output power = Conducted RF output power + Antenna Gain.



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Test Report No.: RJ2606WDG0365-1

3.5 SPURIOUS EMISSIONS FOR RECEIVER

3.5.1 LIMITS OF SPURIOUS EMISSIONS FOR RECEIVER

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

3.5.2 TEST METHOD

According to MIC Notice No. 88 Appendix 43.

3.5.3 SUMMARY OF TEST RESULT

For GFSK 2Mbps:

TEST CHANNEL		CH 0 (2404MHz)		CH 18 (2440MHz)		LIMIT	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE	FREQUENCY (MHz)	MEASURE. VALUE		
Vnormal	below 1GHz	62.010	0.05595nW	62.010	0.058088nW	4nW	PASS
	above 1GHz	6922.500	0.851946nW	6942.620	0.969224nW	20nW	PASS
V+10%	below 1GHz	62.010	0.096185nW	62.010	0.095408nW	4nW	PASS
	above 1GHz	6902.370	1.139692nW	6948.370	1.205721nW	20nW	PASS
V-10%	below 1GHz	45.760	0.057843nW	62.010	0.041917nW	4nW	PASS
	above 1GHz	6922.500	0.910479nW	6922.500	0.980281nW	20nW	PASS
TEST CHANNEL		CH 37 (2478MHz)				LIMIT	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)		MEASURE. VALUE			
Vnormal	below 1GHz	959.260		0.041107nW		4nW	PASS
	above 1GHz	6919.620		1.134215nW		20nW	PASS
V+10%	below 1GHz	55.220		0.050634nW		4nW	PASS
	above 1GHz	6913.870		0.937687nW		20nW	PASS
V-10%	below 1GHz	54.000		0.062608nW		4nW	PASS
	above 1GHz	6974.250		1.018816nW		20nW	PASS

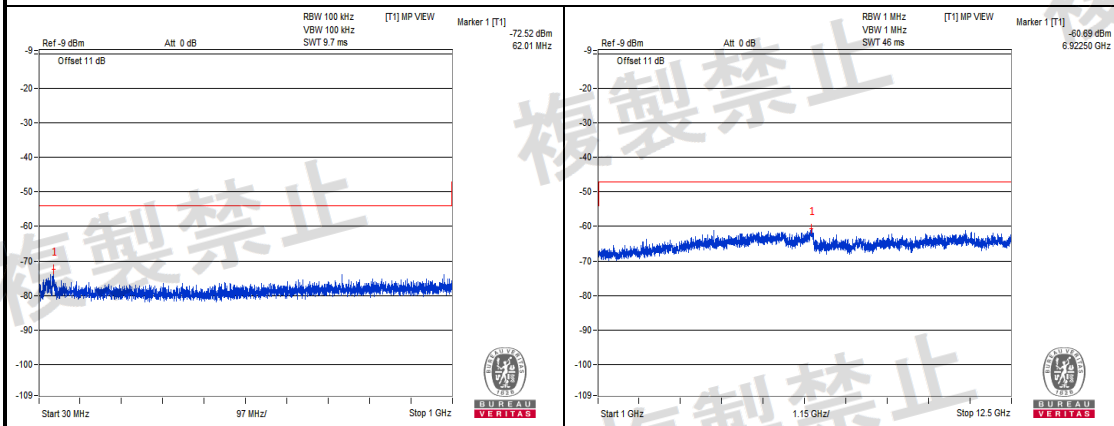
NOTE: 1. The worst value in each frequency range v.s. each channel has been marked by boldface.
2. The spectrum plots are attached on the following pages.



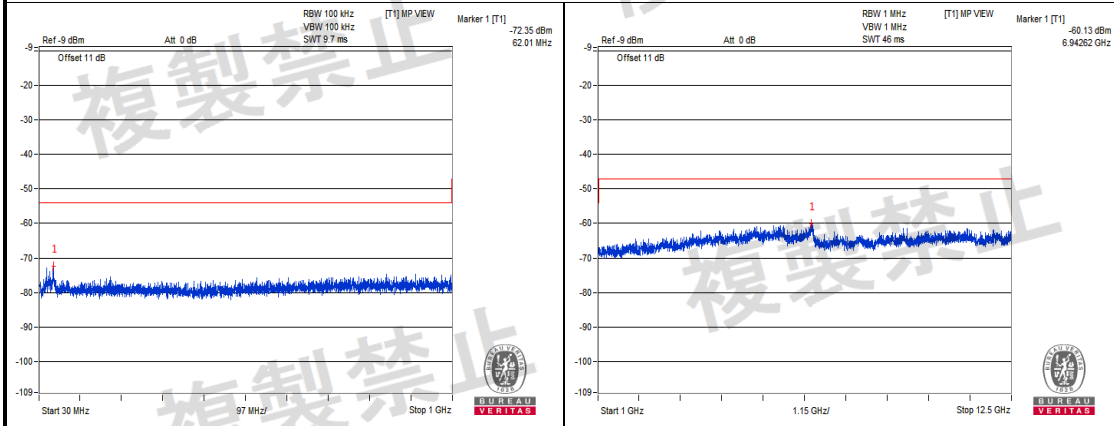
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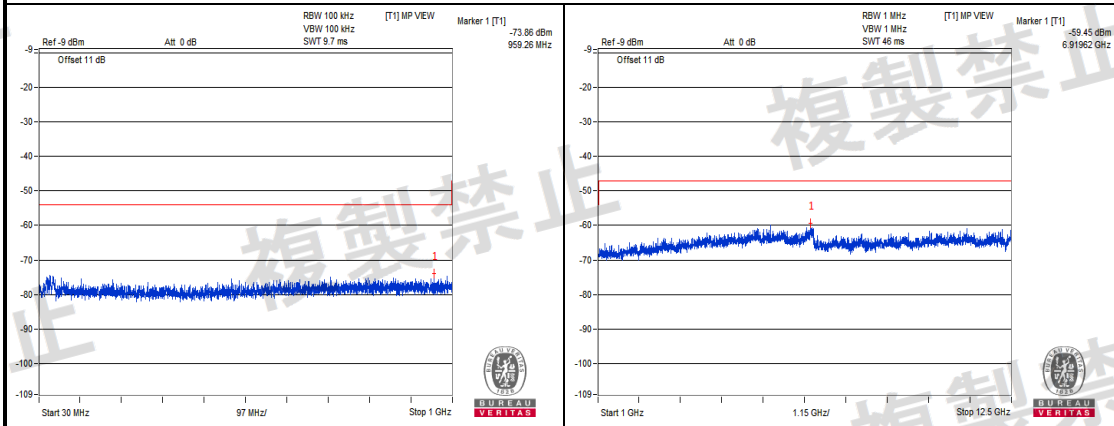
Vnormal



Channel 0



Channel 18



Channel 37

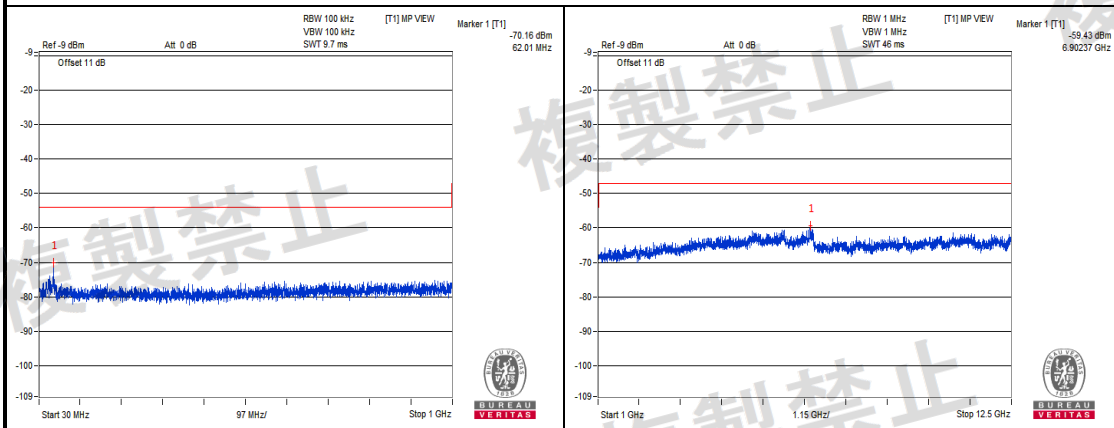
Measurement uncertainty: $\pm 3.93\text{dB}$



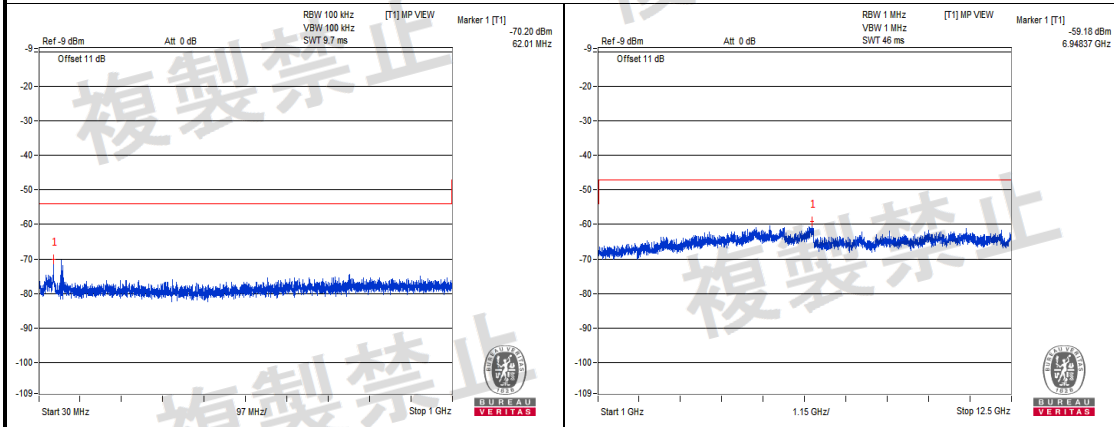
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Test Report No.: RJ2606WDG0365-1

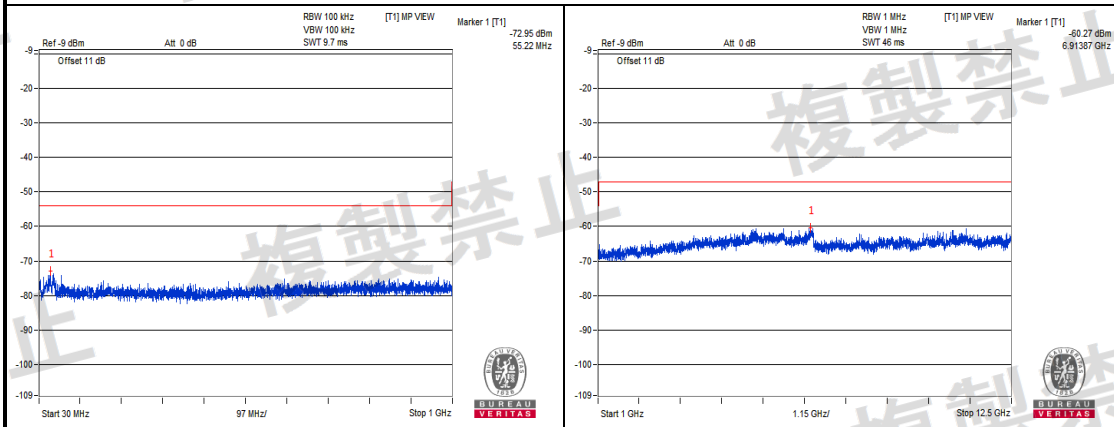
V+10%



Channel 0



Channel 18



Channel 37

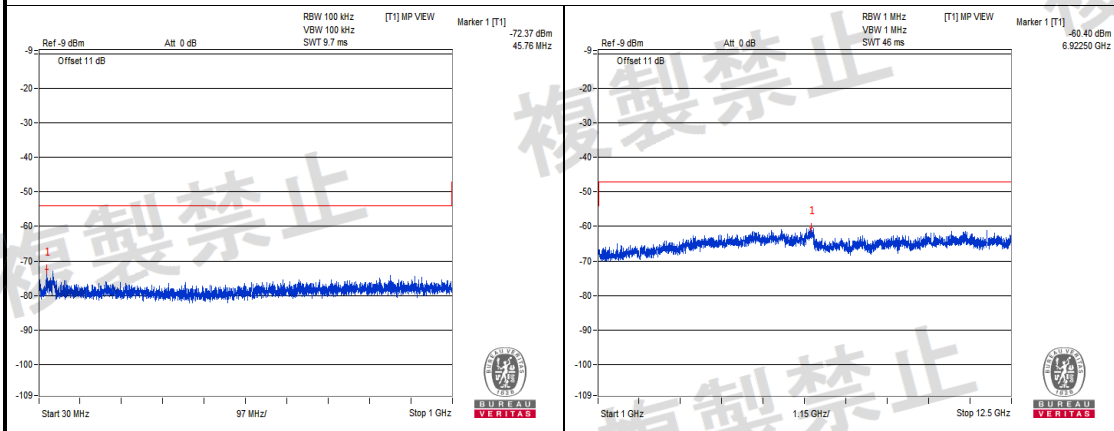
Measurement uncertainty: $\pm 3.93\text{dB}$



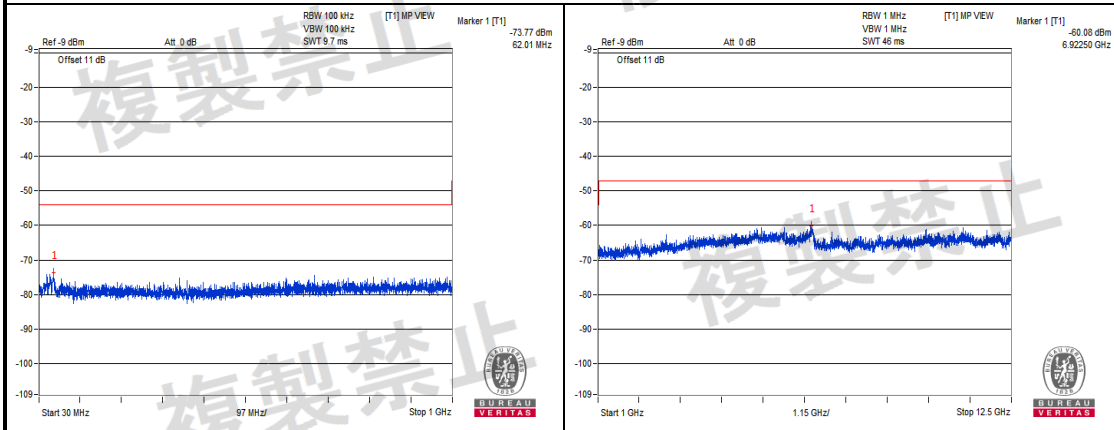
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Test Report No.: RJ2606WDG0365-1

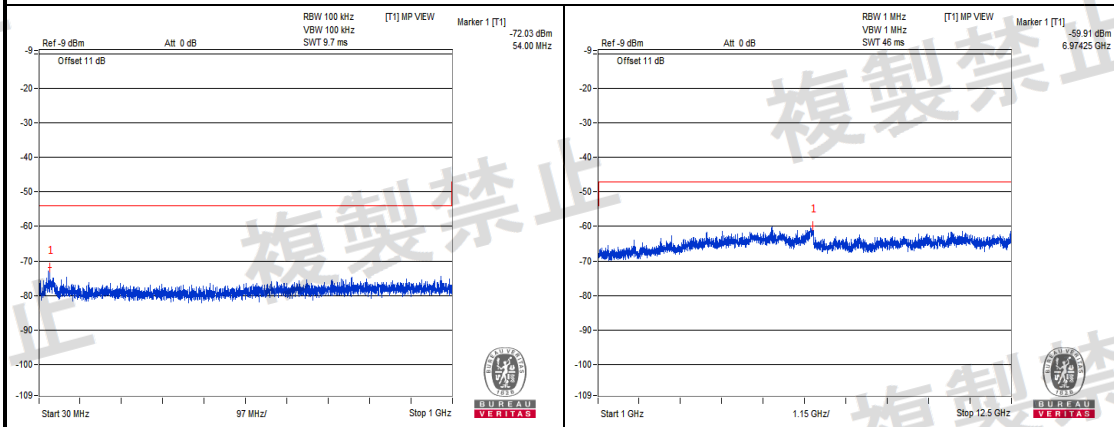
V-10%



Channel 0



Channel 18



Channel 37

Measurement uncertainty: $\pm 3.93\text{dB}$



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Test Report No.: RJ2606WDG0365-1

For GFSK 4Mbps:

TEST CHANNEL		CH 1 (2406MHz)		CH 18 (2440MHz)		LIMIT	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)	MEASURE. VALUE	FREQUENCY (MHz)	MEASURE. VALUE		
Vnormal	below 1GHz	1000.000	0.033141nW	935.730	0.032861nW	4nW	PASS
	above 1GHz	6919.620	0.935019nW	6154.870	1.126098nW	20nW	PASS
V+10%	below 1GHz	960.230	0.036453nW	962.170	0.041724nW	4nW	PASS
	above 1GHz	6985.750	1.157011nW	6991.500	0.975678nW	20nW	PASS
V-10%	below 1GHz	878.260	0.032263nW	943.250	0.0399nW	4nW	PASS
	above 1GHz	6077.250	0.923175nW	2460.500	0.845032nW	20nW	PASS
TEST CHANNEL		CH 36 (2476MHz)				LIMIT	RESULT
TEST CONDITION	FREQUENCY RANGE	FREQUENCY (MHz)		MEASURE. VALUE			
Vnormal	below 1GHz	667.530		0.037466nW		4nW	PASS
	above 1GHz	6968.500		0.835153nW		20nW	PASS
V+10%	below 1GHz	795.330		0.03059nW		4nW	PASS
	above 1GHz	6959.870		0.936826nW		20nW	PASS
V-10%	below 1GHz	964.830		0.039846nW		4nW	PASS
	above 1GHz	5715.000		0.929808nW		20nW	PASS

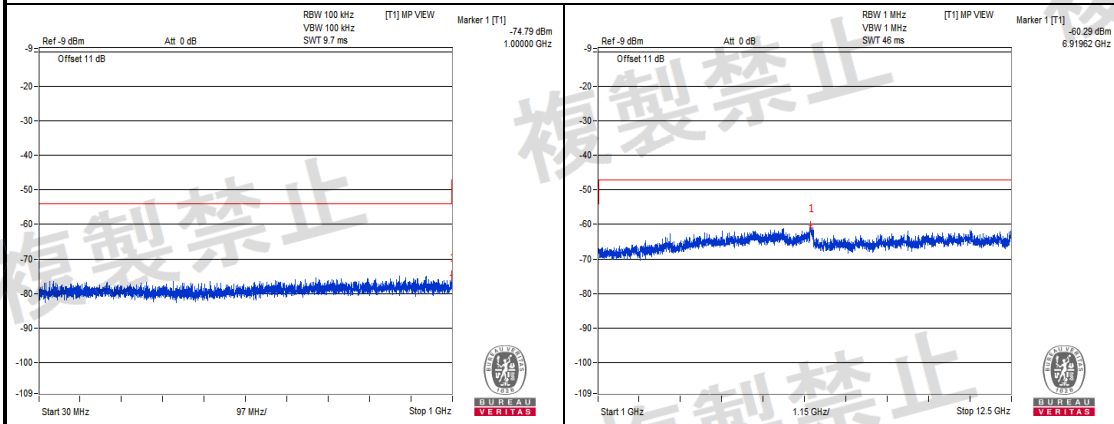
NOTE: 1. The worst value in each frequency range v.s. each channel has been marked by boldface.
2. The spectrum plots are attached on the following pages.



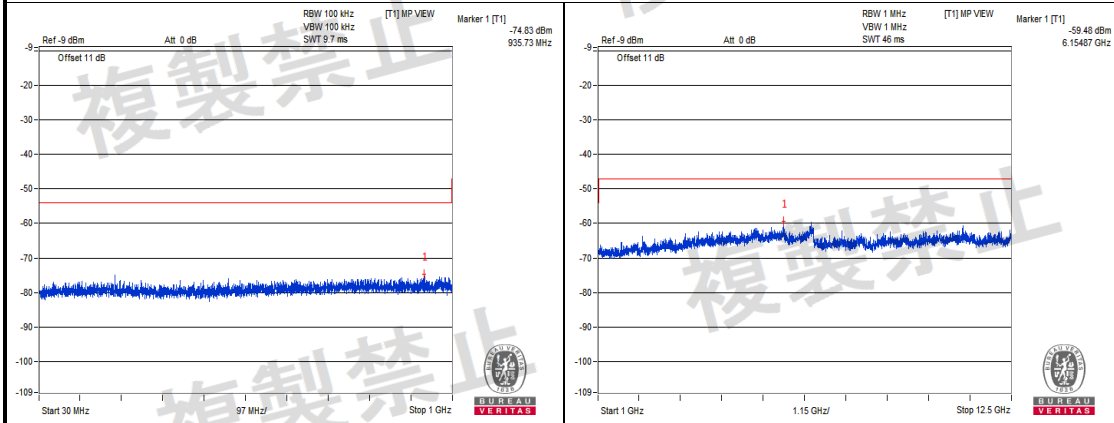
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Test Report No.: RJ2606WDG0365-1

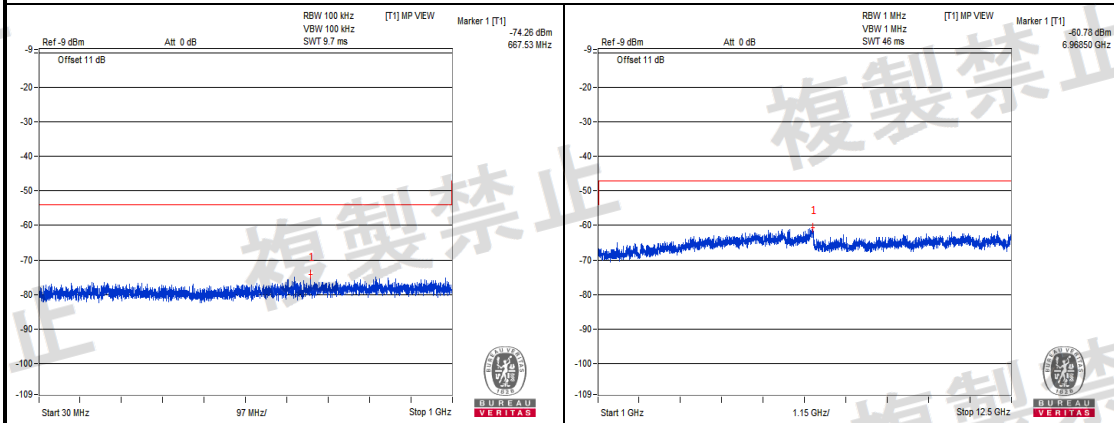
Vnormal



Channel 1



Channel 18



Channel 36

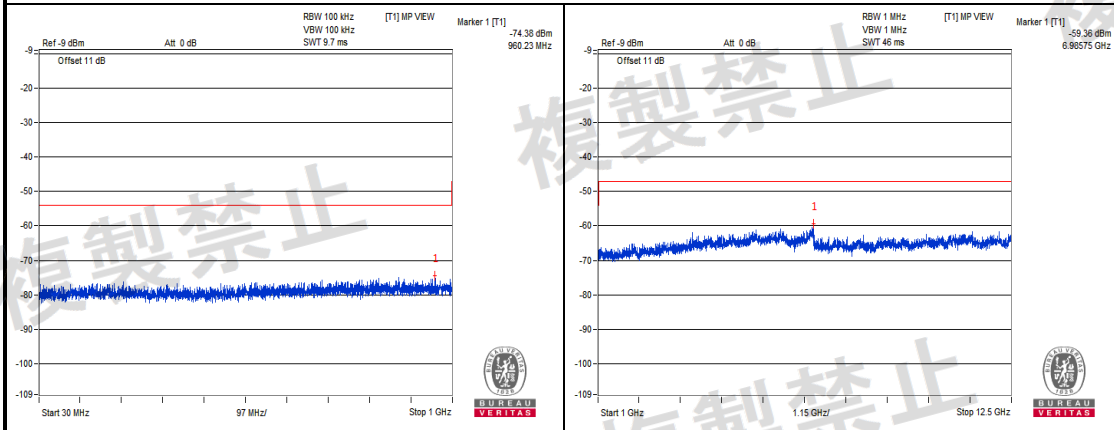
Measurement uncertainty: $\pm 3.93\text{dB}$



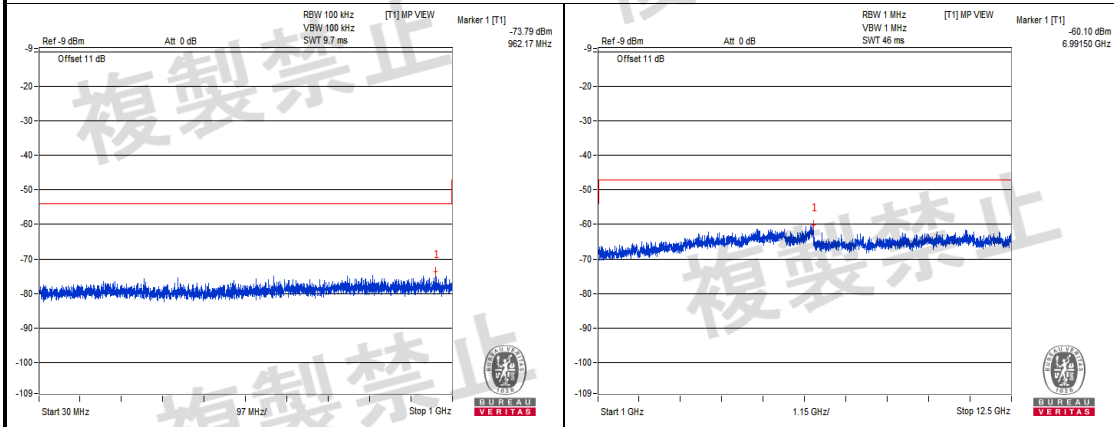
BUREAU
VERITAS

Test Report No.: RJ2606WDG0365-1

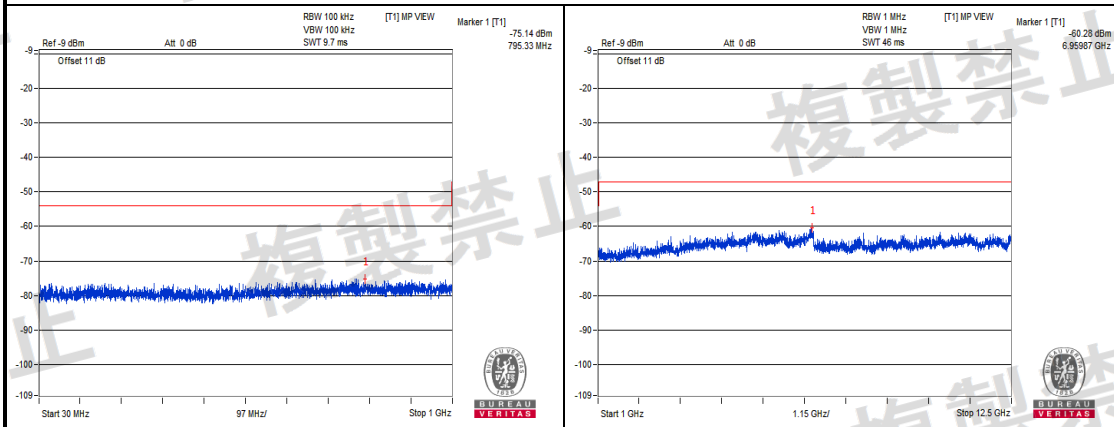
V+10%



Channel 1



Channel 18



Channel 36

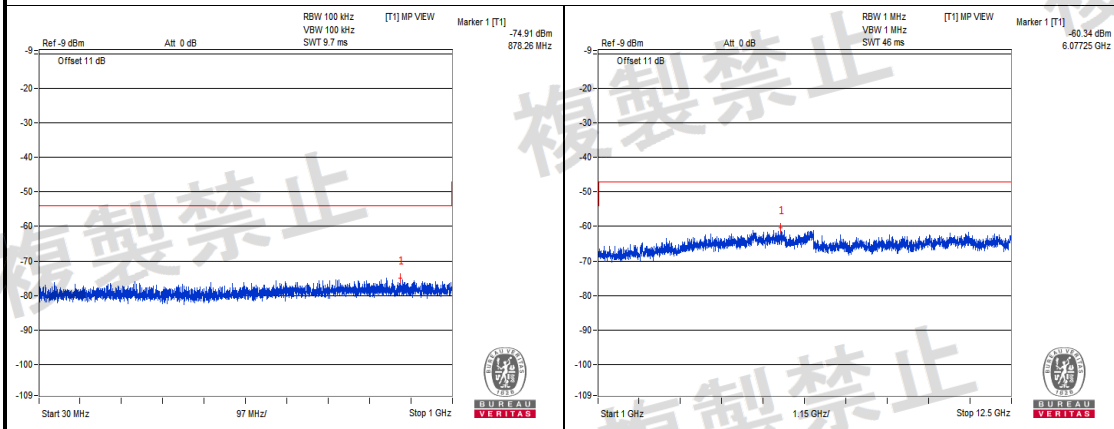
Measurement uncertainty: $\pm 3.93\text{dB}$



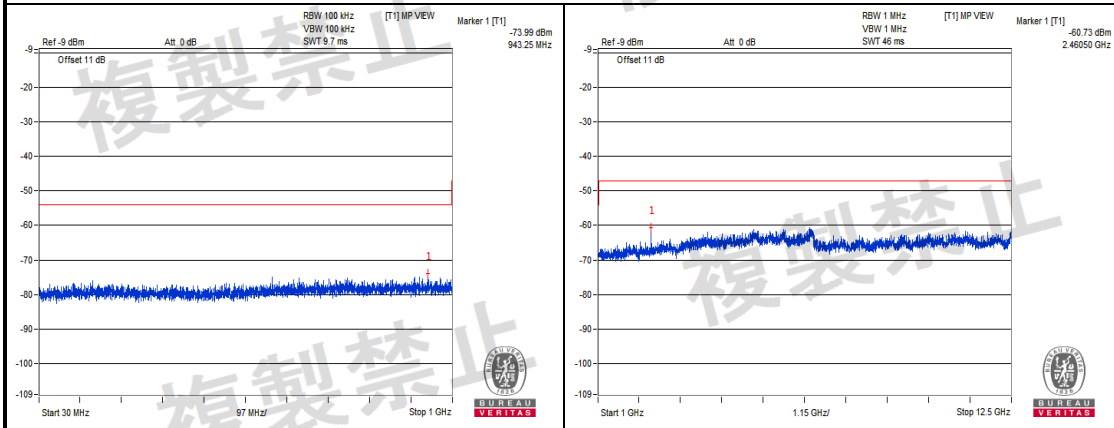
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Test Report No.: RJ2606WDG0365-1

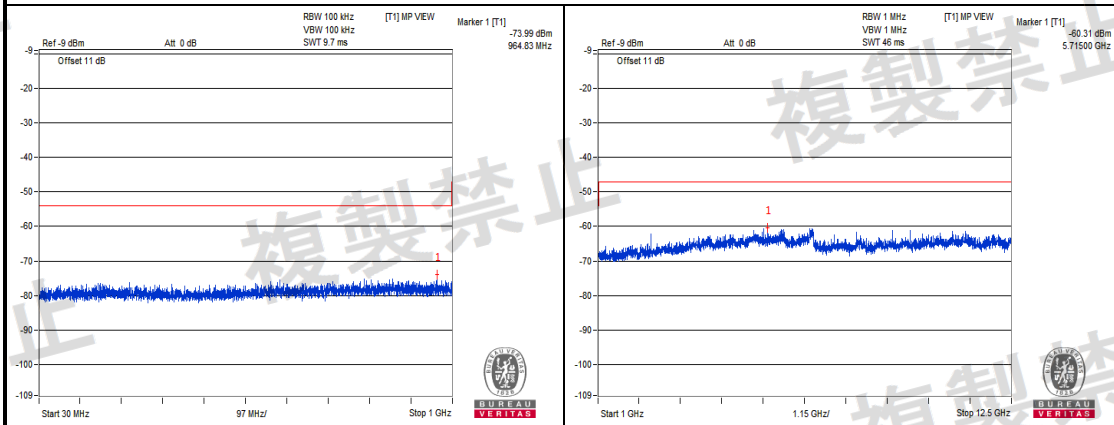
V-10%



Channel 1



Channel 18



Channel 36

Measurement uncertainty: $\pm 3.93\text{dB}$

3.6 INTERFERENCE PREVENTION FUNCTION

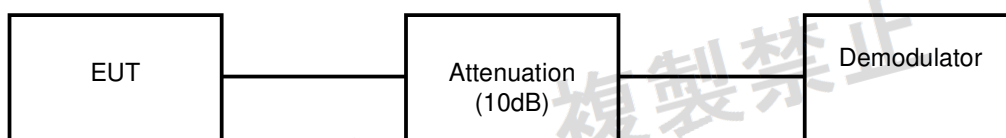
3.6.1 LIMITS OF INTERFERENCE PREVENTION FUNCTION

Item	Limits
Identification	≥48bits

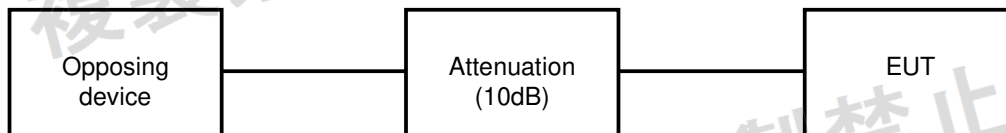
Note: In ASCII, a character usually takes 8 bits.

3.6.2 TEST SETUP

Transmitting:

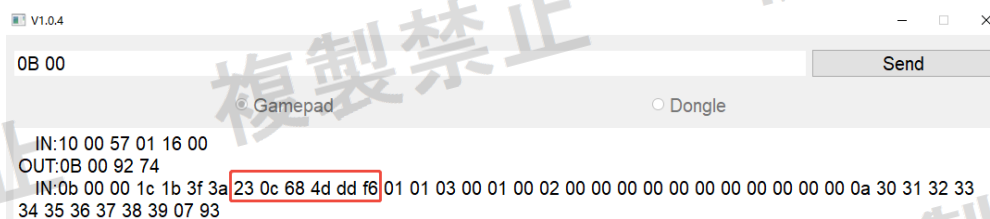


Receiving:



3.6.3 TEST RESULTS

ENVIRONMENTAL CONDITIONS	24.5deg.C, 60% RH
LINK MODE	TEST RESULT
GFSK	PASS
MAC Address	23 0c 68 4d dd f6





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Test Report No.: RJ2606WDG0365-1

4 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.	Calibration Body	Calibration Method
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 08, 27	GRGT	C
Digital Multimeter	FLUKE	15B	12151063	Apr. 07, 27	GRGT	C
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26	GRGT	C
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Oct. 09, 26	GRGT	C
Signal Generator	Agilent	N5183A	MY50140980	Jul. 02, 27	GRGT	C
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 02, 27	GRGT	C
Attenuator	MINI	BW-S10W2+	S130129FGE2	Oct. 09, 26	Internal	C
DC Source	Rohde&Schwarz	HMP2020	101295	Apr. 07, 27	GRGT	C
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A	N/A	C

NOTE:

1. The test was performed in RF Oven room.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. Calibration interval of all test equipment is 1 year.

Calibration Method:

- a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)
- b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- c) 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)
- d) Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)



BUREAU
VERITAS

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5 PHOTOGRAPHS OF THE TEST CONFIGURATION





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6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

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