



(J-MIC) TEST REPORT

Report No. : BVT-RH-JPR-260005(1)

Applicant

- Name : GOQUAL CO., LTD.
- Address : 1001-1002, 10F, Gasan Business Center, 165, Gasan digital 1-ro, Geumcheon-gu, Seoul, 08503, Republic of Korea

Test Item

- Product Name : Specified Radio Equipment (Smart Home Camera)
- Model Name : GJW-MC505

Manufacturer

- Name : Huizhou DayaBay Precision Stand Electronics Co., LTD
- Address : 3F, No. 1 Building, Xinhuiyuan Science and Technology Co., Ltd., West Area of DayaBau, Huizhou City, Guangdong Province, P.R. China

Date of Test : 2026.04.13. ~ 2026.05.29

Technical Standard : Article 2, Paragraph 1, Item 19

Test Method Used : MIC Notice No.88 Appendix No.43

Test Result : ☒ Pass ☐ Fail

Note : None

This test report is not related to KOLAS accreditation

Affirmation

Tested by

Name : Kwak, Yun-Kyoung

(Signature)

Technical Manager

Name : Jang, Hyeon-Su

(Signature)

2026 . 05 . 29 .

Bureau Veritas CPS Korea Tech Limited



Report No.: BVT-RH-JPR-260005(1)

Revision History of test report

Date	Report No.	Revision Histoty
2026.04.30	BVT-RH-JPR-260005	Initial issue
2026.05.29	BVT-RH-JPR-260005(1)	p.5 Add Equipment Description remarks comment p.8 Add calibration agency p.9 Revise MIC Rule p.18 Revise the antenna gain p.21 Revise the unit

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1. Information of Testing Laboratory

Legal Name and address

Bureau Veritas CPS Korea Tech Limited

(Annyeong-dong) 26, 28, 30, Seja-ro 406beon-gil, Hwaseong-si, Gyeonggi-do, 18326, Republic of Korea

Website: <http://www.bvcpskoreatech.co.kr>

Test location and address

☒ Hwaseong

(Annyeong-dong) 26, 28, 30, Seja-ro 406beon-gil, Hwaseong-si, Gyeonggi-do, 18326, Republic of Korea

Tel: 82-31-222-4251

☐ Suwon

Yeongtong Innoplex 1st Complex No.2 B303, No.2 B304, 306, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Suwon, 16675, Republic of Korea

Tel: +82-31-8002-3051, Fax: +82-31-8002-3061

☐ Anyang

Heungan-daero 49, Dongan-gu, Anyang-si, Gyeonggi-do, 14119, Republic of Korea

Tel: +82-31-689-4110, Fax: +82-31-689-4120

Registration information

- KOLAS No.: KT232
- RRA No.: KR0041
- A2LA No.: 4068.02, 4068.03
- FCC Designation No.: KR0041
- ISED CAB ID.: KR0041
- VCCI Membership No.: 2005

2. EQUIPMENT DESCRIPTION

The product specification described herein was declared by manufacturer. And refer to user's manual for the details.

Equipment Name	Specified Radio Equipment (Smart Home Camera)
Model No	GJW-MC505
Usage	IP Home Camera
Serial Number	Proto type
Modulation type	GFSK
Emission Type	-
Maximum output power	BLE1M: 5.28 mW; BLE2M: 5.14 mW
Operated Frequency	2 402 MHz ~ 2 480 MHz
Channel Number	40
Operation temperature	-10°C to +50°C
Power Source	DC 5 V
Antenna Description	PCB Antenna, Antenna gain: 3.16 dBi
Remark	1. The device was operating at its default output power for all measurements. 2. The above DUT's information was declared by manufacturer. Please refer to the specifications or user manual for more detailed description. 3. The EUT has a constant voltage circuit and input voltage variation at the radio unit is less than 1%.

3. SYSTEM CONFIGURATION FOR TEST

3.1 Characteristics of equipment

The Equipment Under Test (EUT) contains the following capabilities: This equipment is Specified Radio Equipment (Smart Home Camera). The detailed explanation is refer as user manual.

3.2 Used peripherals list

Description	Model No.	Serial No.	Manufacture	Remark
Notebook	Vostro 3500	RN3K6 A01	DELL	-
Adapter	NSW26862	OKXTTW	DELL	For notebook

3.3 Product Modification

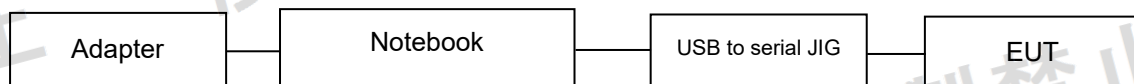
N/A

3.4 Operating Mode

Constantly transmitting with a modulated carrier at default power on the low, middle and high channels

3.5 Test Setup of EUT

The measurements were taken in continuous transmit mode using the test mode which controlled by demo_test_mode_tx.bat. The test command and the test Jig and cables were provided by the applicant.



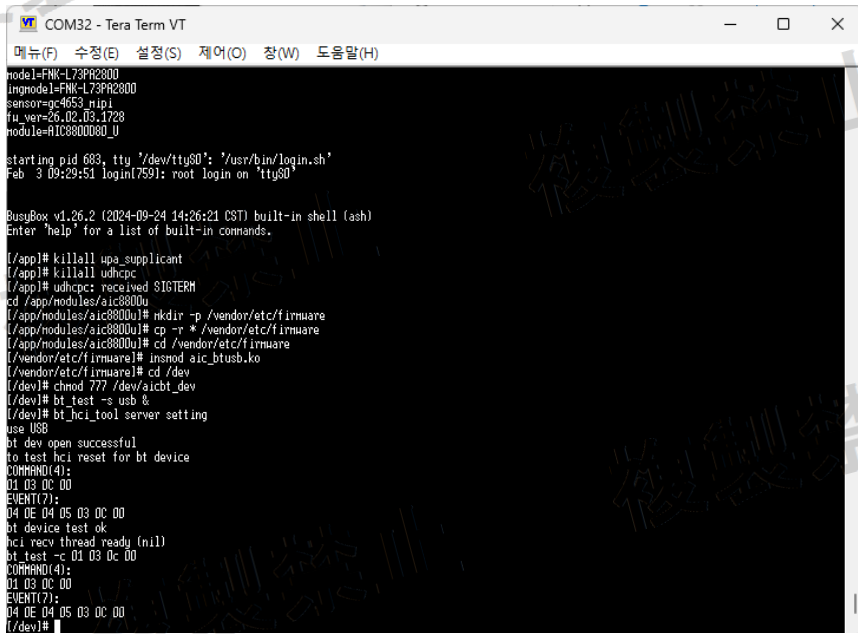
3.6 Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel.

▣ TX Power setting value during test

Band	Rate	TX Power setting value		
		Low CH	Middle CH	High CH
2.4 GHz band	-	Default	Default	Default

▣ Test Program: Teraterm



```

COM32 - Tera Term VT
메뉴(F) 수정(E) 설정(S) 제어(O) 창(W) 도움말(H)
model=FMK-L73PA2800
imgmodel=FMK-L73PA2800
sensor=gc4653_rpi
fw_ver=26.02.03.1728
module=AIC8800D00_U

starting pid 683, tty "/dev/tty80": "/usr/bin/login.sh"
Feb 3 09:29:51 login[759]: root login on 'tty80'

BusyBox v1.26.2 (2024-09-24 14:26:21 CST) built-in shell (ash)
Enter 'help' for a list of built-in commands.

[/app]# killall upa_supplicant
[/app]# killall udhccp
[/app]# udhccp: received SIGTERM
cd /app/modules/aic8800u
[/app/modules/aic8800u]# mkdir -p /vendor/etc/firmware
[/app/modules/aic8800u]# cp -r * /vendor/etc/firmware
[/app/modules/aic8800u]# cd /vendor/etc/firmware
[/vendor/etc/firmware]# insmod aic_btusb.ko
[/vendor/etc/firmware]# cd /dev
[/dev]# chmod 777 /dev/aicbt_dev
[/dev]# bt test -s usb b
[/dev]# hci_tool server setting
use USB
bt dev open successful
to test hci reset for bt device
COMMAND(4):
01 03 0c 00
EVENT(7):
04 0e 04 05 03 0c 00
bt device test ok
hci recv thread ready (nil)
bt test -c 01 03 0c 00
COMMAND(4):
01 03 0c 00
EVENT(7):
04 0e 04 05 03 0c 00
[/dev]#
  
```

3.7 Table for Carrier Frequencies

Channel No	Frequency (MHz)	Channel No	Frequency (MHz)	Channel No	Frequency (MHz)
0	2 402	14	2 430	28	2 458
1	2 404	15	2 432	29	2 460
2	2 406	16	2 434	30	2 462
3	2 408	17	2 436	31	2 464
4	2 410	18	2 438	32	2 466
5	2 412	19	2 440	33	2 468
6	2 414	20	2 442	34	2 470
7	2 416	21	2 444	35	2 472
8	2 418	22	2 446	36	2 474
9	2 420	23	2 448	37	2 476
10	2 422	24	2 450	38	2 478
11	2 424	25	2 452	39	2 480
12	2 426	26	2 454		
13	2 428	27	2 456		

3.8 Used Test Equipment List

Equipment Name	Manufacturer	Model No.	Serial No.	Calibration Agency	Cal. Method	Cal. Date	Next Cal. Date
Signal Analyzer	Rohde & Schwarz	FSV40	101727	**SICT	(c)	2025.08.11	2026.08.11
Signal Generator	Rohde & Schwarz	SMB100A	179628	***HCT	(c)	2025.12.22	2026.12.22
DC Power supply	Agilent Technology	6632B	MY43004005	HCT	(c)	2025.12.24	2026.12.24
Attenuator	WEINSCHTEL	54A-10	74564	SICT	(c)	2025.08.11	2026.08.11
Attenuator	WEINSCHTEL	56-10	66920	HCT	(c)	2025.12.22	2026.12.22
Power divider	SQ361	WEINSCHTEL	1580	HCT	(c)	2025.12.24	2026.12.24

*Cal Method

- (a) Calibration conducted by the National Institute of Information and Communications Technology -NICT- or a designated calibration agency under Article 102-8 paragraph (1)
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) -Japan Calibration Service System
- (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 other equipment that listed above from a) to c)

**SICT: A Trescal Company, Institute of Calibration & Technology Co., Ltd

***HCT: HCT Co., Ltd.

4. SUMMARY TEST RESULTS

Description of Test	MIC Rule	Used	Test Result
Frequency Tolerance	Article 2, Paragraph 1, Item 19	☒	Compliance
Occupied Bandwidth & Spread Bandwidth	Article 2, Paragraph 1, Item 19	☒	Compliance
RF Output Power	Article 2, Paragraph 1, Item 19	☒	Compliance
Unwanted (Spurious) Emission Strength	Article 2, Paragraph 1, Item 19	☒	Compliance
Secondarily Emitted Radio Wave Strength (RX Spurious Emission)	Article 2, Paragraph 1, Item 19	☒	Compliance
Interference Prevention Function	Article 2, Paragraph 1, Item 19	☒	Compliance
Construction Protection Confirmation Method	Article 2, Paragraph 1, Item 19	☒	Compliance
Compliance/pass : The EUT complies with the essential requirements in the standard. Not Compliance : The EUT does not comply with the essential requirements in the standard. N/A : The test was not applicable in the standard.			

5. MEASUREMENT RESULTS

5.1 Frequency tolerance

5.1.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

1) Un-modulated method

Center frequency: Operating frequency

Resolution BW: 1 kHz

Video BW: 30 kHz

Sweep time: Auto

Sweep mode: Continuous sweep

Detector mode: Positive Peak

Trace mode: Max hold

2) Modulated method

Center frequency: Operating frequency

RBW: 10 kHz

VBW: 30 kHz

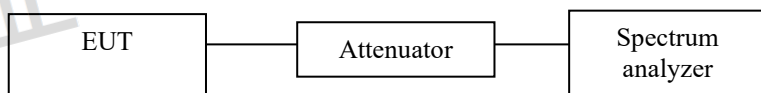
Detector mode: Positive Peak

Trace mode: Max Hold

10 dB down from the max point to the left (F_{LOW}) and the right (F_{HIGH})

Then, measuring frequency $F = (F_{LOW} + F_{HIGH}) / 2$

5.1.2 Test setup



5.1.3 Limit

$\pm 50 \times 10^{-6}$ (50 ppm or below)

5.1.4 Test environment conditions

• Ambient temperature : (20 ~ 22) °C • Relative Humidity : (46 ~ 49) % R.H.

5.1.5 Measurement Result

■ BLE 1M

Frequency [MHz]	Conducted power		Limit [ppm]	Test results
	[MHz]	[ppm]*	[ppm]	
2 402	2 402.007 844	3.27	50	Compliance
2 440	2 440.007 437	3.05	50	Compliance
2 480	2 480.007 281	2.94	50	Compliance

■ BLE 2M

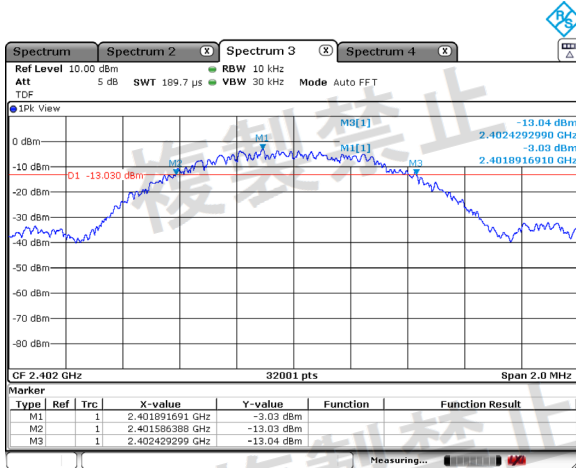
Frequency [MHz]	Conducted power		Limit [ppm]	Test results
	[MHz]	[ppm]*	[ppm]	
2 402	2 401.980 395	-8.16	50	Compliance
2 440	2 439.986 875	-5.38	50	Compliance
2 480	2 479.980 485	-7.87	50	Compliance

*ppm = [(((Measured frequency (MHz) – Operating frequency (MHz))/ Operating frequency (MHz)))] x 10⁻⁶

5.1.6 Test Plot

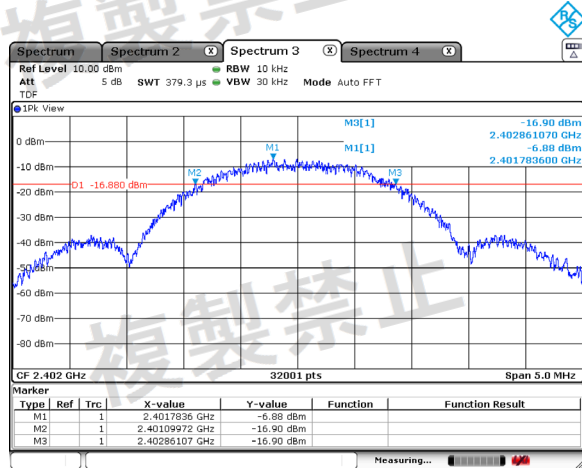
■ BLE 1M

CH Low

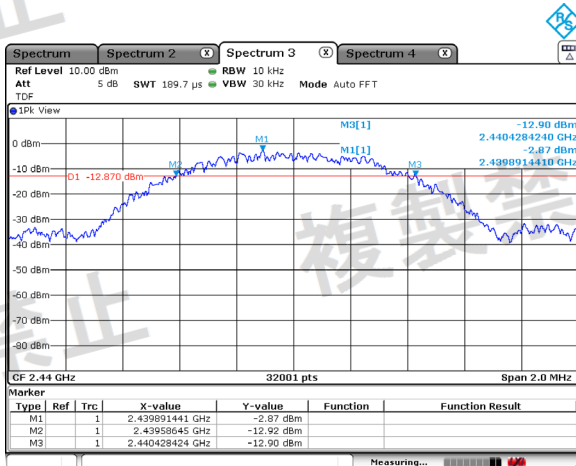


■ BLE 2M

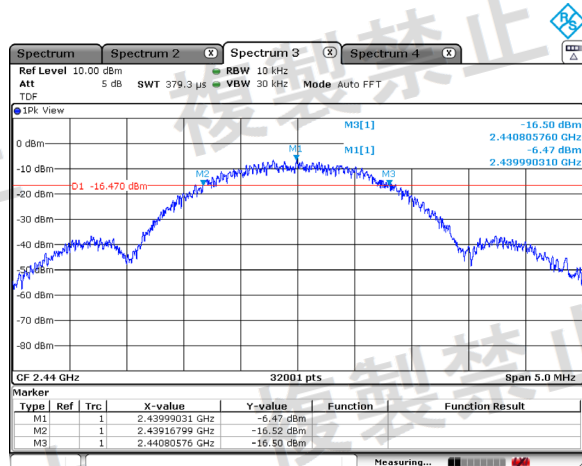
CH Low



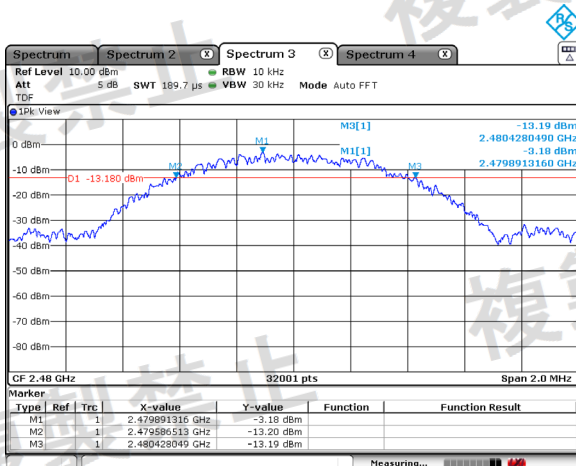
CH Middle



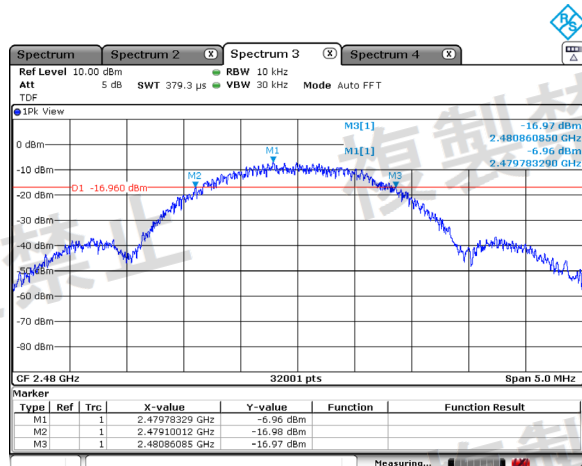
CH Middle



CH High



CH High



5.2 Occupied bandwidth

5.2.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

Center frequency: Operating frequency

Resolution BW: 300 kHz

Video BW: 300 kHz

Sweep time: Auto

Sweep mode: Continuous sweep

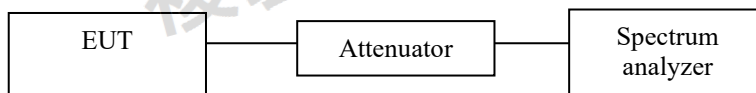
Detector mode: Positive Peak

Trace mode: Max hold

Set to 99% of occupied bandwidth to measure occupied bandwidth.

Set to 90% of occupied bandwidth to measure spread spectrum bandwidth.

5.2.2 Test setup



5.2.3 Limit

<Occupied Bandwidth>

FH $\leq$ 83.5 MHz; OFDM, DS $\leq$ 26 MHz;

OTHERS $\leq$ 26 MHz;

<Spread Bandwidth>

500 kHz $\leq$ SBW

5.2.4 Test environment conditions

• Ambient temperature : (20 ~ 22) °C • Relative Humidity : (46 ~ 49) % R.H.

5.2.5 Measurement Result

■BLE1M

Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
2 402	1.32	≤26	0.84	>0.5	Compliance
2 440	1.32		0.85		Compliance
2 480	1.32		0.85		Compliance

■BLE2M

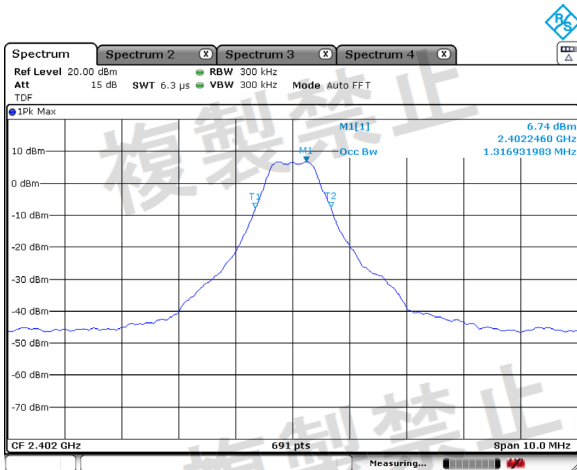
Frequency	99% Occupied bandwidth	Limit	Spread Bandwidth	Limit	Test results
[MHz]	[MHz]	[MHz]	[MHz]	[MHz]	
2 402	2.17	≤26	1.39	>0.5	Compliance
2 440	2.17		1.39		Compliance
2 480	2.19		1.39		Compliance

5.2.6 Test Plot

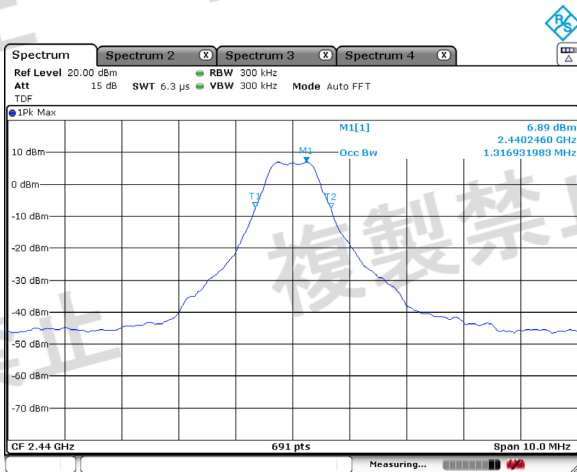
■ BLE1M

99% Occupied Bandwidth

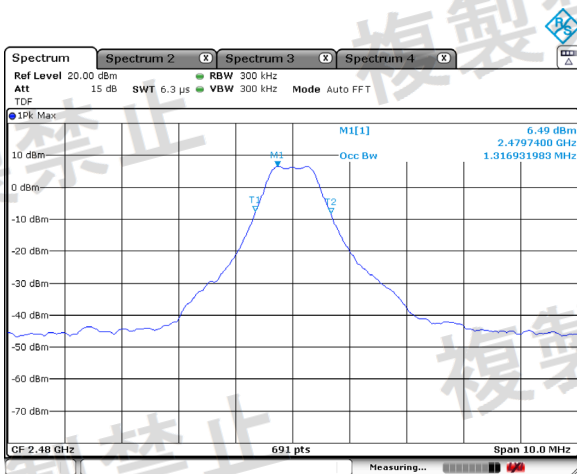
CH Low



CH Middle

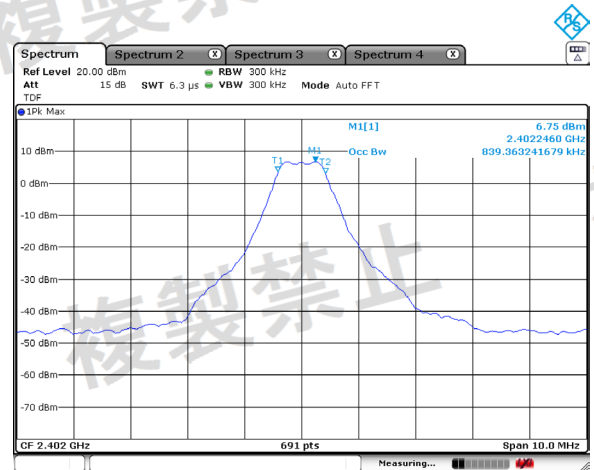


CH High

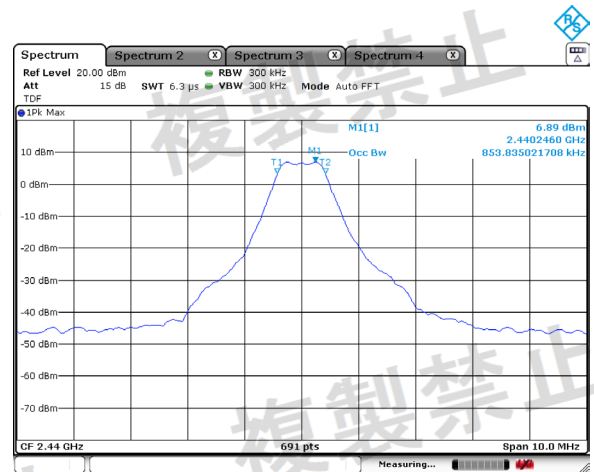


Spread Bandwidth

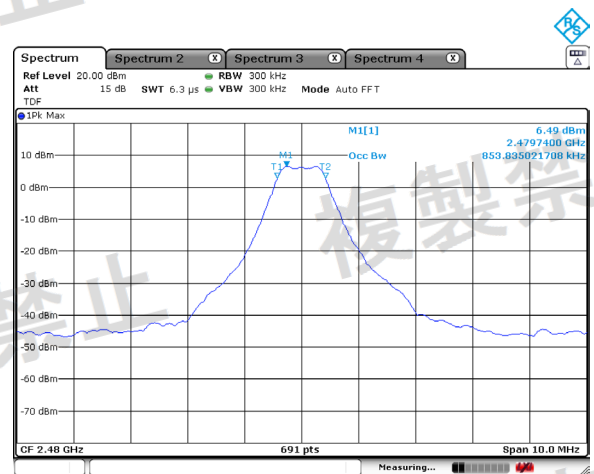
CH Low



CH Middle



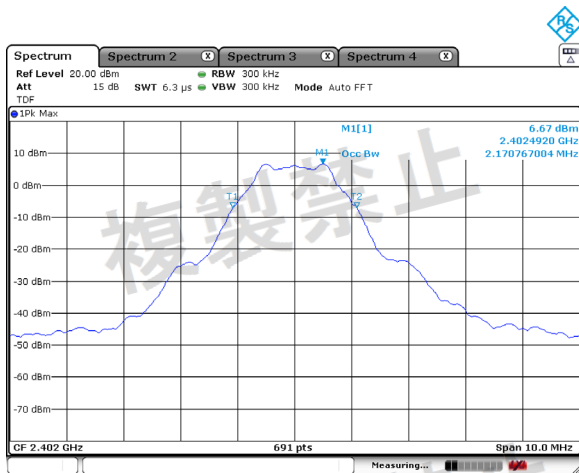
CH High



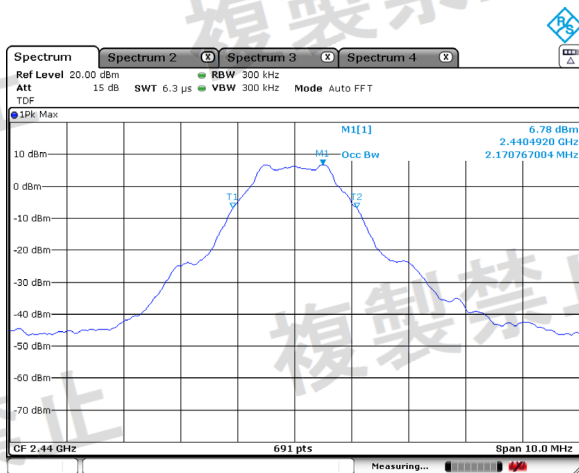
■ BLE2M

99% Occupied Bandwidth

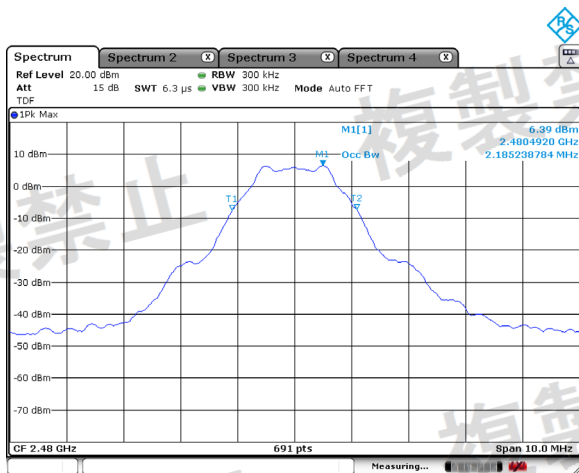
CH Low



CH Middle

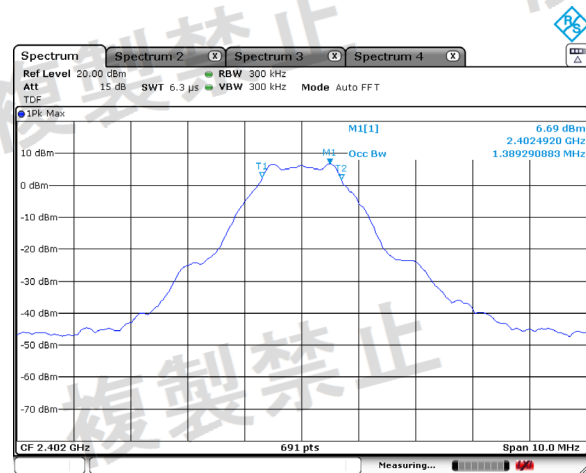


CH High

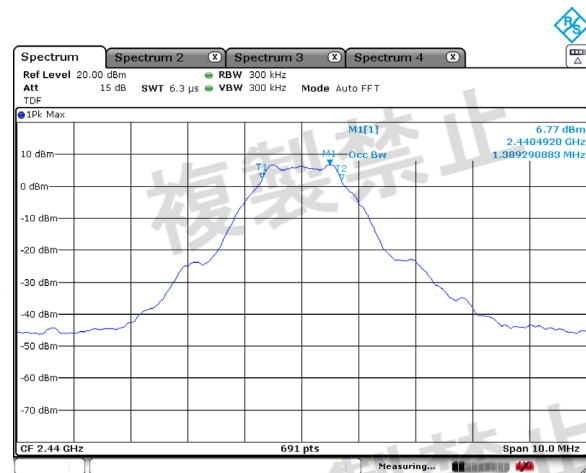


Spread Bandwidth

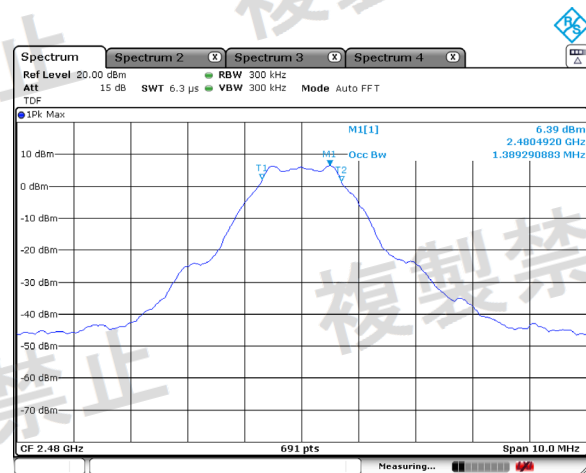
CH Low



CH Middle



CH High



5.3 RF Output Power

5.3.1 Measurement Procedure

The transmitter output is connected to the Spectrum analyzer.
Setting the spectrum analyzer is as follows.

Center frequency: Operating frequency

RBW, VBW: 3 MHz

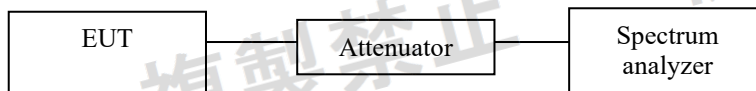
Span: Wide enough to cover the complete power envelope of the signal of the EUT.

Sweep time: Auto

Detector mode: Positive Peak

Trace mode: Max hold

5.3.2 Test setup



5.3.3 Limit

10 mW/MHz or below (OFDM, DSSS)

10 mW (Others)

5.3.4 Test environment conditions

• Ambient temperature : (20 ~ 22) °C • Relative Humidity : (46 ~ 49) % R.H.

5.3.5 Measurement Result

■BLE1M

Frequency	Measure value	EIRP	Tolerance	Test results
[MHz]	[mW]	[dBm]	[%]	
2 402	5.10	10.05	2.1	Compliance
2 440	5.28	10.20	5.6	Compliance
2 480	4.80	9.78	-4.0	Compliance
Declared power [mW]		5.0		
Tolerance limit [%]		-80 ~ 20		
Antenna gain [dBi]		3.16		

■BLE2M

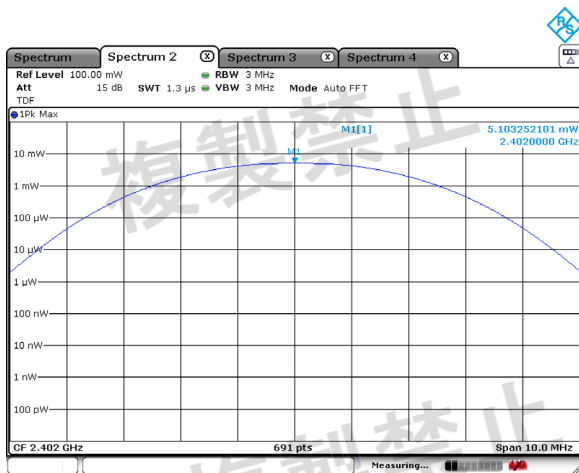
Frequency	Measure value	EIRP	Tolerance	Test results
[MHz]	[mW]	[dBm]	[%]	
2 402	4.95	9.91	-1.1	Compliance
2 440	5.14	10.08	2.8	Compliance
2 480	4.74	9.72	-5.3	Compliance
Declared power [mW]		5.0		
Tolerance limit [%]		-80 ~ 20		
Antenna gain [dBi]		3.16		

Power tolerance (%) = [(Measure value – Declared power) / Declared power] x 100

5.3.6 Test Plot

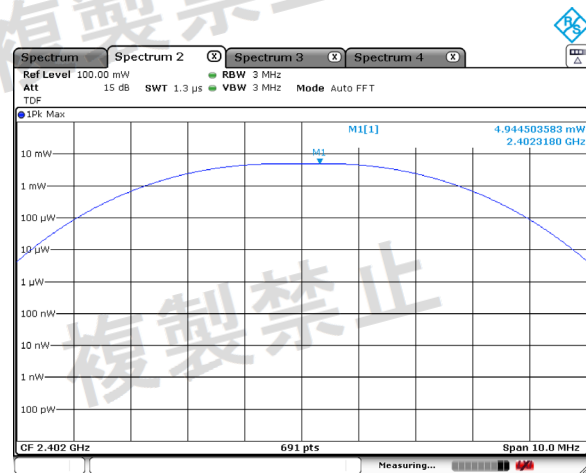
■ BLE1M

CH Low

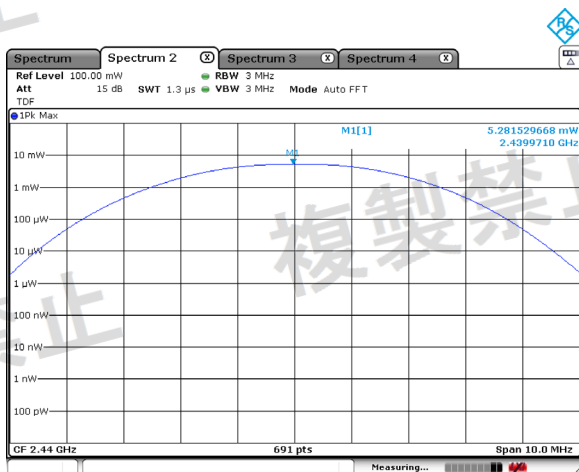


■ BLE2M

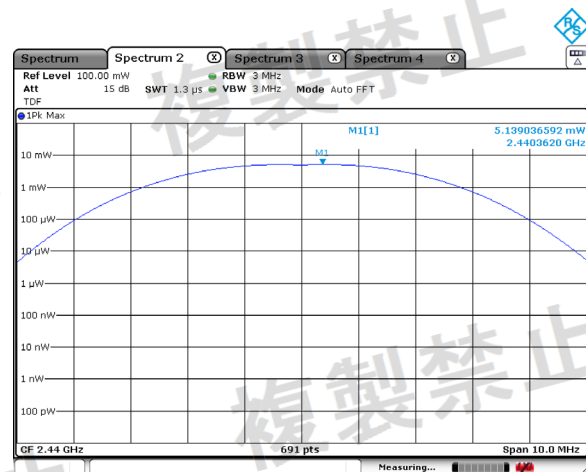
CH Low



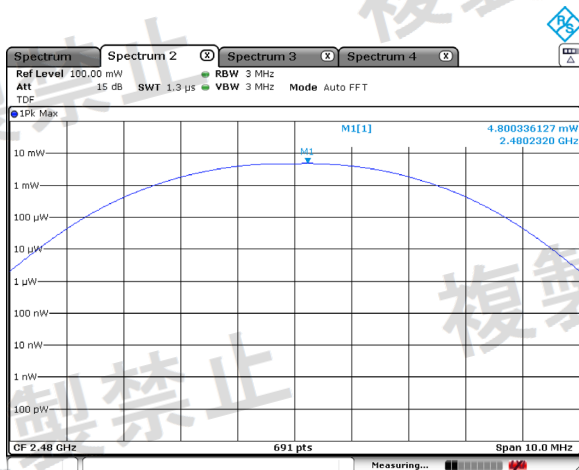
CH Middle



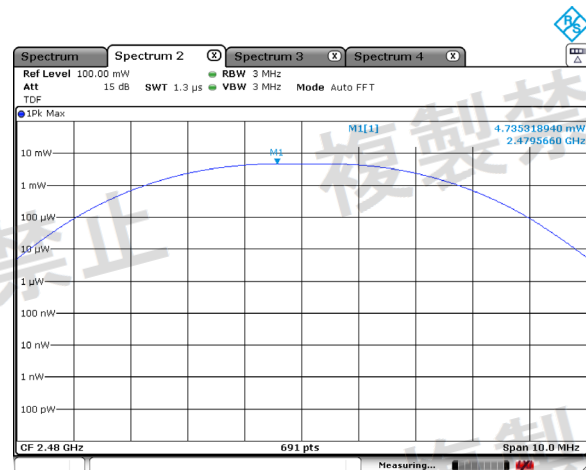
CH Middle



CH High



CH High



5.4 Unwanted (Spurious) Emission Strength

5.4.1 Measurement Procedure

Connect transmitter output to the spectrum analyzer input port.

Unwanted (Spurious) emission strength is measured by following setting:

Set the spectrum analyzer RBW: 1 MHz, VBW: Same as RBW, Sweep time: auto
Start: 30 MHz, Stop: 2 387 MHz. Sweep mode: auto and mark highest level.

Set the spectrum analyzer RBW: 1 MHz, VBW: Same as RBW, Sweep time: auto
Start: 2 387 MHz, Stop: 2 400 MHz. Sweep mode: auto and mark highest level.

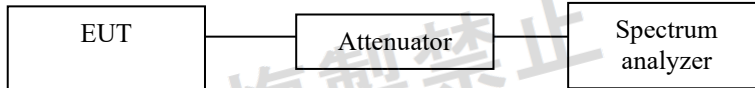
Set the spectrum analyzer RBW: 1 MHz, VBW: Same as RBW, Sweep time: auto
Start: 2 483.5 MHz, Stop: 2 496.5 MHz. Sweep mode: auto and mark highest level.

Set the spectrum analyzer RBW: RBW: 1 MHz, VBW: Same as RBW, Sweep time: auto
Start: 2 496.5 MHz, Stop: 12.5 GHz. Sweep mode: auto and mark highest level.

Detector mode : Positive Peak

Trace mode: Max hold

5.4.2 Test setup



5.4.3 Limit

30 MHz to 2 387 MHz: 2.5 $\mu\text{W}/\text{MHz}$
2 387 MHz to 2 400 MHz: 25 $\mu\text{W}/\text{MHz}$
2 483.5 MHz to 2 496.5 MHz: 25 $\mu\text{W}/\text{MHz}$
2 496.5 MHz to 12.5 GHz: 2.5 $\mu\text{W}/\text{MHz}$

5.4.4 Test environment conditions

• Ambient temperature : (20 ~ 22) $^{\circ}\text{C}$ • Relative Humidity : (46 ~ 49) % R.H.

5.4.5 Measurement Result

■BLE1M

Frequency range	Measure value			Limit	Test results
[MHz]	[MHz]	[dBm/MHz]	[uW/MHz]	[uW/MHz]	
Low Channel [2 402 MHz]					
30 ~ 2 387	2 361.40	-50.39	0.009	2.5	Compliance
2 387 ~ 2 400	2 399.99	-27.96	1.600	25	Compliance
2 483.5 ~ 2 496.5	2 485.52	-52.89	0.005	25	Compliance
2 496.5 ~ 12 500	3 198.50	-46.85	0.021	2.5	Compliance
Middle Channel [2 440 MHz]					
30 ~ 2 387	2 201.10	-51.86	0.007	2.5	Compliance
2 387 ~ 2 400	2 399.48	-49.06	0.012	25	Compliance
2 483.5 ~ 2 496.5	2 484.60	-50.88	0.008	25	Compliance
2 496.5 ~ 12 500	4 877.50	-46.33	0.023	2.5	Compliance
High Channel [2 480 MHz]					
30 ~ 2 387	2 238.60	-50.56	0.009	2.5	Compliance
2 387 ~ 2 400	2 387.05	-52.12	0.006	25	Compliance
2 483.5 ~ 2 496.5	2 483.51	-44.76	0.033	25	Compliance
2 496.5 ~ 12 500	4 964.50	-46.18	0.024	2.5	Compliance

■BLE2M

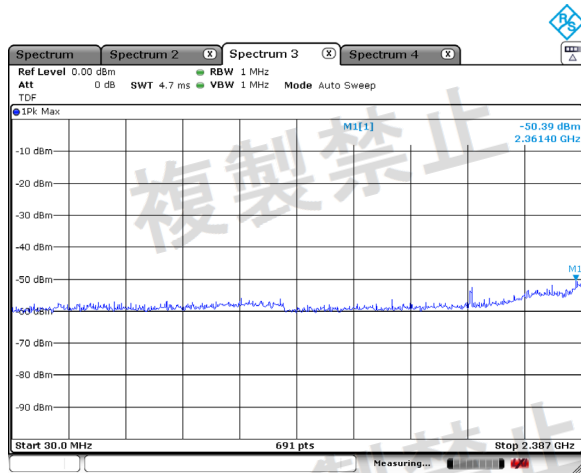
Frequency range	Measure value			Limit	Test results
[MHz]	[MHz]	[dBm/MHz]	[uW/MHz]	[uW/MHz]	
Low Channel [2 402 MHz]					
30 ~ 2 387	2 385.30	-49.06	0.012	2.5	Compliance
2 387 ~ 2 400	2 399.99	-39.51	0.112	25	Compliance
2 483.5 ~ 2 496.5	2 484.85	-52.53	0.006	25	Compliance
2 496.5 ~ 12 500	4 805.50	-46.85	0.021	2.5	Compliance
Middle Channel [2 440 MHz]					
30 ~ 2 387	2 242.00	-51.74	0.007	2.5	Compliance
2 387 ~ 2 400	2 400.00	-52.57	0.006	25	Compliance
2 483.5 ~ 2 496.5	2 486.43	-49.82	0.010	25	Compliance
2 496.5 ~ 12 500	4 877.50	-46.27	0.024	2.5	Compliance
High Channel [2 480 MHz]					
30 ~ 2 387	2 238.60	-51.92	0.006	2.5	Compliance
2 387 ~ 2 400	2 399.99	-51.74	0.007	25	Compliance
2 483.5 ~ 2 496.5	2 483.51	-37.49	0.178	25	Compliance
2 496.5 ~ 12 500	4 964.50	-46.95	0.020	2.5	Compliance

5.4.6 Test Plot

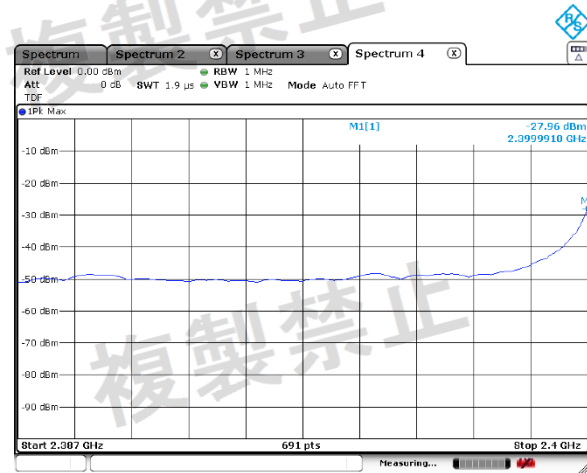
■ BLE1M

CH Low

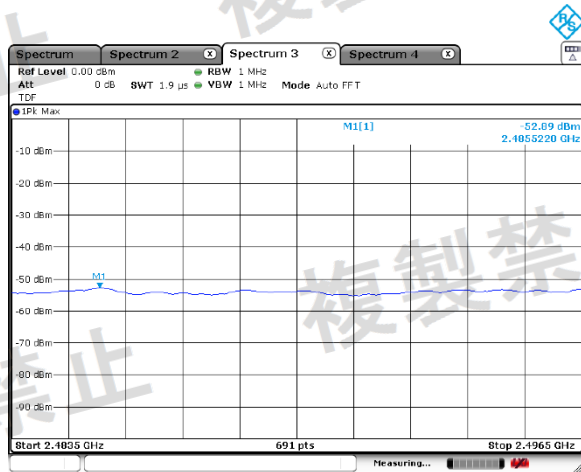
30 MHz ~ 2 387 MHz



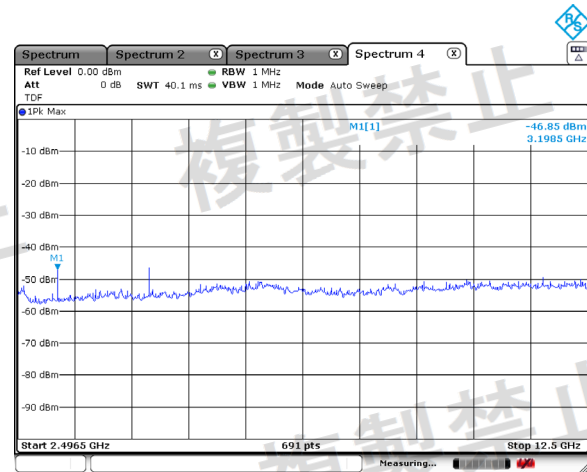
2 387 MHz ~ 2 400 MHz



2 483.5 MHz ~ 2 496.5 MHz

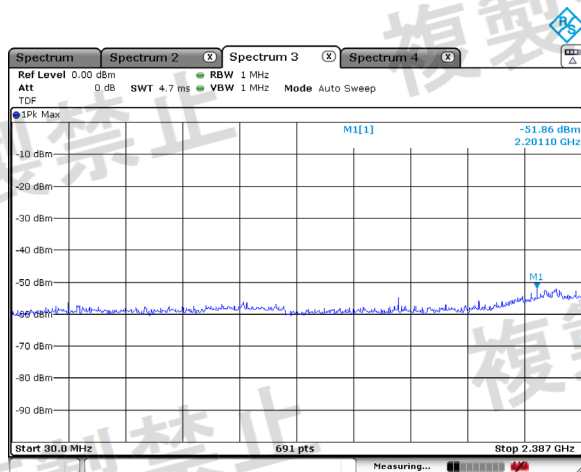


2 496.5 MHz ~ 12.5 GHz

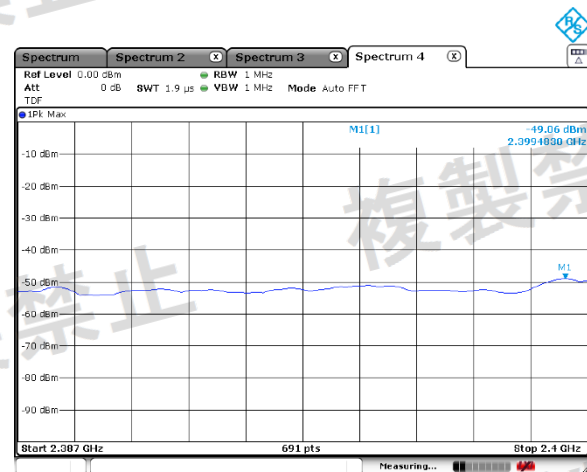


CH Mid

30 MHz ~ 2 387 MHz



2 387 MHz ~ 2 400 MHz

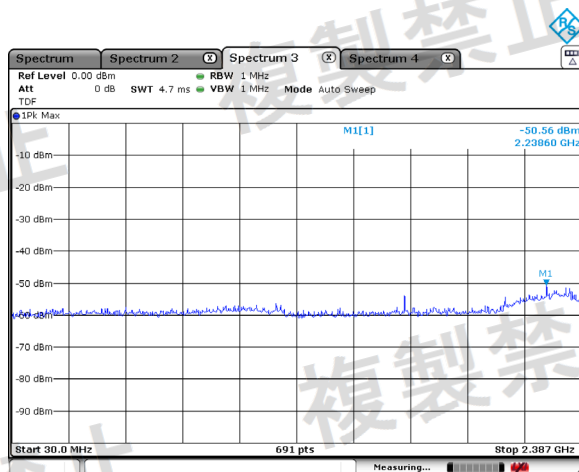


2 483.5 MHz ~ 2 496.5 MHz

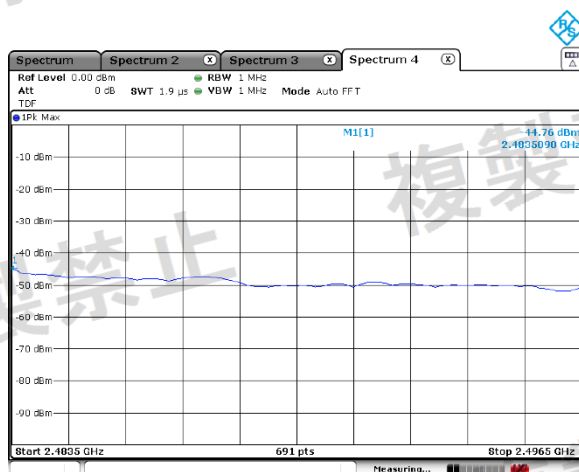


CH High

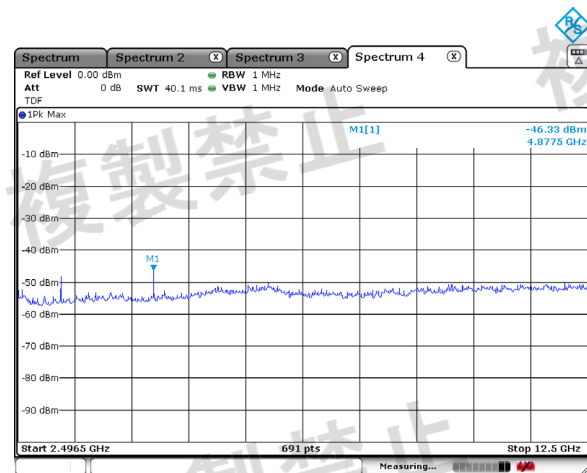
30 MHz ~ 2 387 MHz



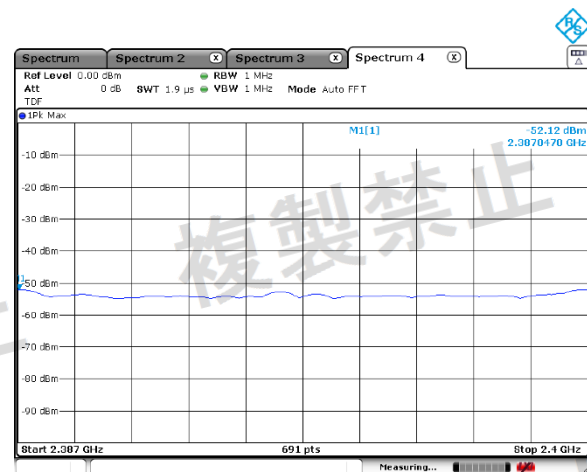
2 483.5 MHz ~ 2 496.5 MHz



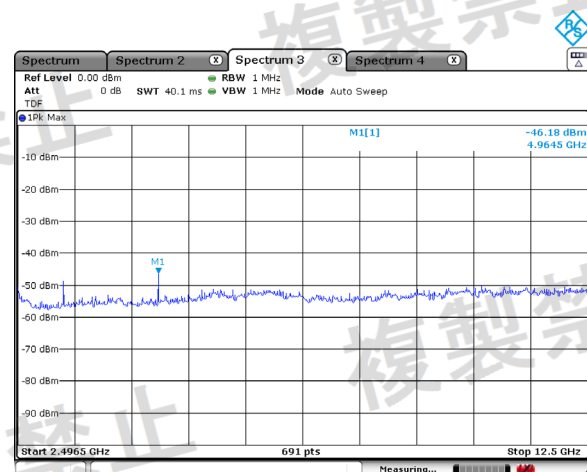
2 496.5 MHz ~ 12.5 GHz



2 387 MHz ~ 2 400 MHz



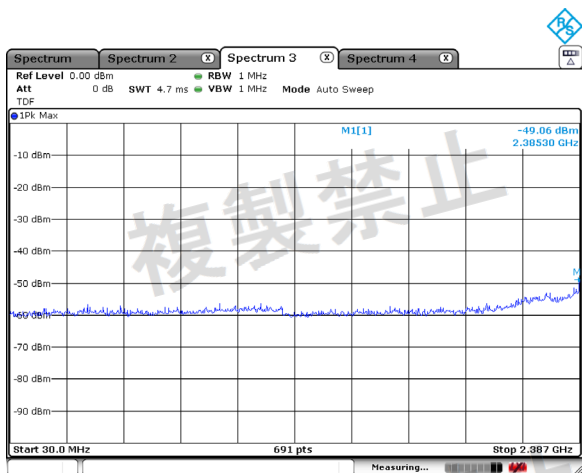
2 496.5 MHz ~ 12.5 GHz



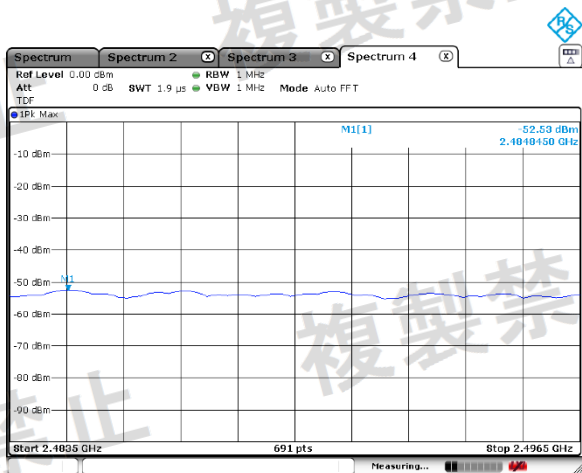
BLE2M

CH Low

30 MHz ~ 2 387 MHz

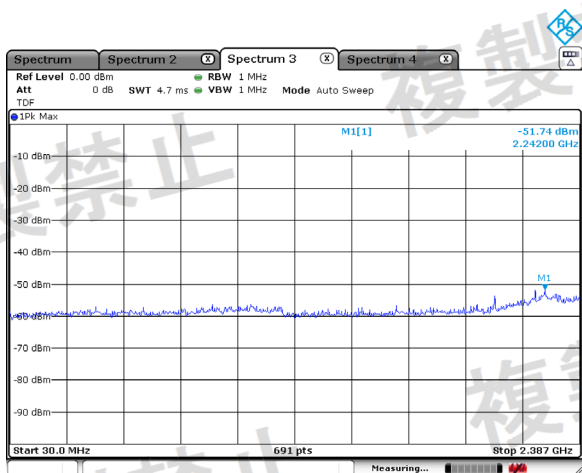


2 483.5 MHz ~ 2 496.5 MHz

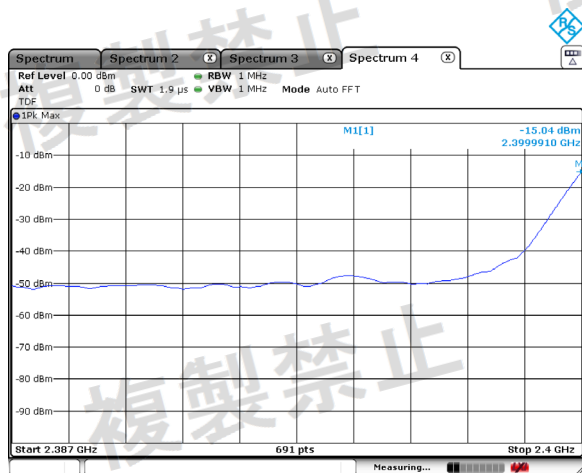


CH Mid

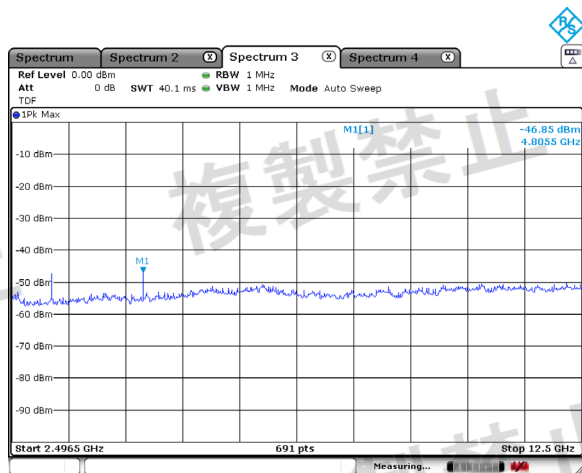
30 MHz ~ 2 387 MHz



2 387 MHz ~ 2 400 MHz



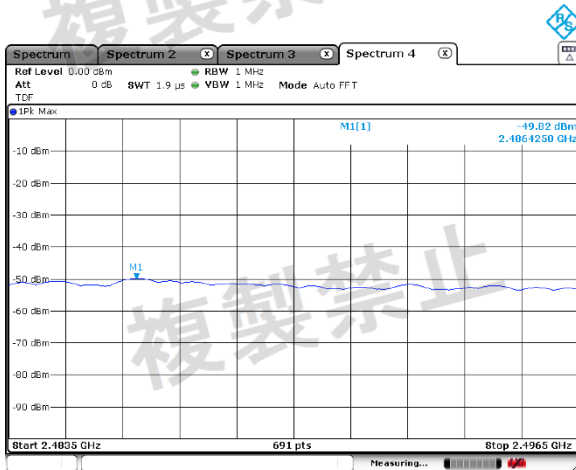
2 496.5 MHz ~ 12.5 GHz



2 387 MHz ~ 2 400 MHz

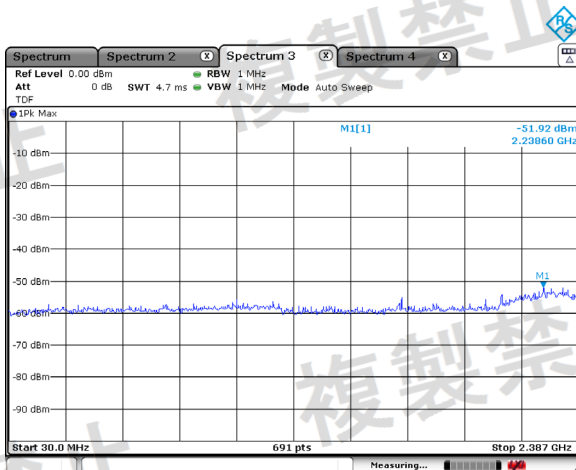


2 483.5 MHz ~ 2 496.5 MHz

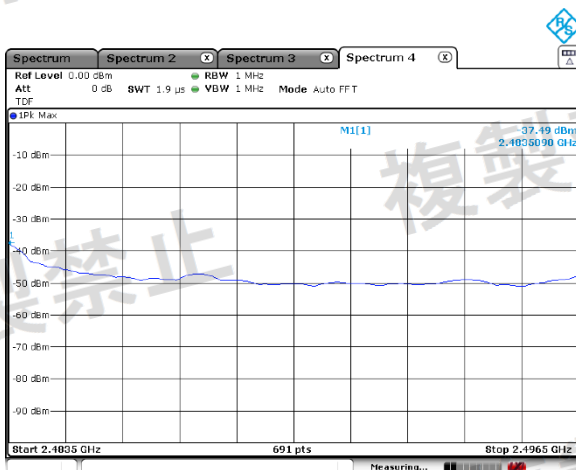


CH High

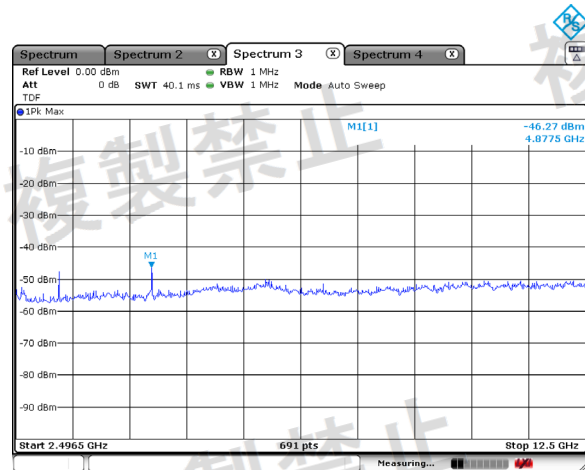
30 MHz ~ 2 387 MHz



2 483.5 MHz ~ 2 496.5 MHz



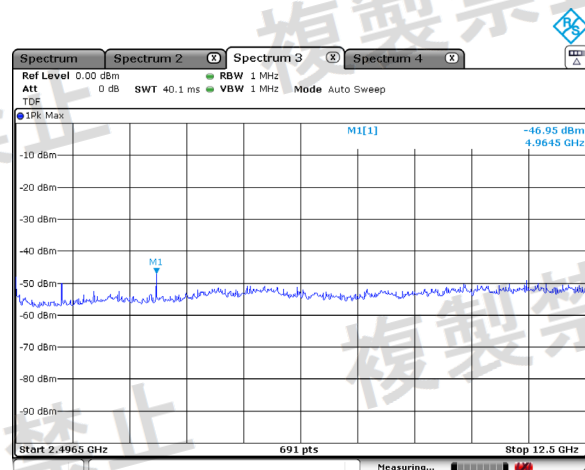
2 496.5 MHz ~ 12.5 GHz



2 387 MHz ~ 2 400 MHz



2 496.5 MHz ~ 12.5 GHz



5.5 Secondarily Emitted Radio Wave Strength(RX Spurious Emission)

5.5.1 Measurement Procedure

Connect transmitter output to the spectrum analyzer input port.

Unwanted emission strength is measured by following setting:

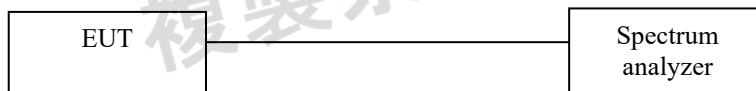
Set the spectrum analyzer RBW: 100 kHz, VBW: 100 kHz, Sweep time: auto
Start: 30 MHz, Stop: 1 GHz. Sweep mode: auto and mark highest level.

Set the spectrum analyzer RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto
Start: 1 GHz, Stop: 12.5 GHz. Sweep mode: auto and mark highest level.

Detector mode : Positive Peak

Trace mode: Max hold

5.5.2 Test setup



5.5.3 Limit

30 MHz to 1 GHz: 4 nW/MHz

1 GHz to 12.5 GHz: 20 nW/MHz

5.6.4 Test environment conditions

• Ambient temperature : (20 ~ 22) °C • Relative Humidity : (46 ~ 49) % R.H.

5.5.5 Measurement Result

■BLE1M

Frequency range	Measure value			Limit	Test results
[MHz]	[MHz]	[dBm]	[nw]	[nW]	
Low Channel [2 402 MHz]					
30 MHz ~ 1 GHz	929.1	-87.11	0.002	4	Compliance
1 GHz ~ 12.5 GHz	11 693.0	-71.36	0.073	20	Compliance
Middle Channel [2 440 MHz]					
30 MHz ~ 1 GHz	988.1	-87.19	0.002	4	Compliance
1 GHz ~ 12.5 GHz	12 392.0	-71.21	0.076	20	Compliance
High Channel [2 480 MHz]					
30 MHz ~ 1 GHz	830.8	-86.93	0.002	4	Compliance
1 GHz ~ 12.5 GHz	11 110.0	-71.33	0.074	20	Compliance

■BLE2M

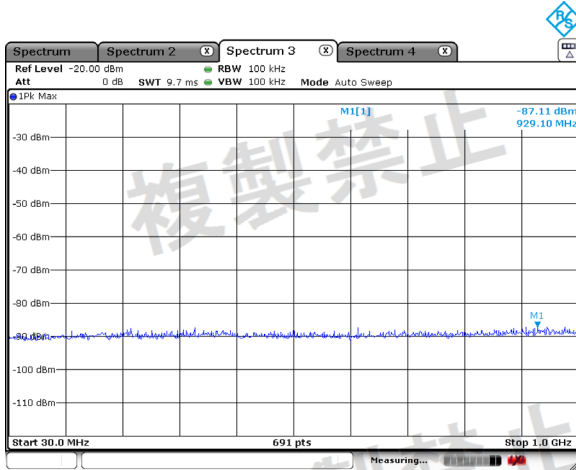
Frequency range	Measure value			Limit	Test results
[MHz]	[MHz]	[dBm]	[nw]	[nW]	
Low Channel [2 402 MHz]					
30 MHz ~ 1 GHz	941.7	-87.05	0.002	4	Compliance
1 GHz ~ 12.5 GHz	12 209.0	-70.59	0.087	20	Compliance
Middle Channel [2 440 MHz]					
30 MHz ~ 1 GHz	908.1	-86.11	0.002	4	Compliance
1 GHz ~ 12.5 GHz	11 110.0	-71.45	0.072	20	Compliance
High Channel [2 480 MHz]					
30 MHz ~ 1 GHz	776.1	-86.48	0.002	4	Compliance
1 GHz ~ 12.5 GHz	10 744.0	-71.51	0.071	20	Compliance

5.5.6 Test Plot

■ BLE1M

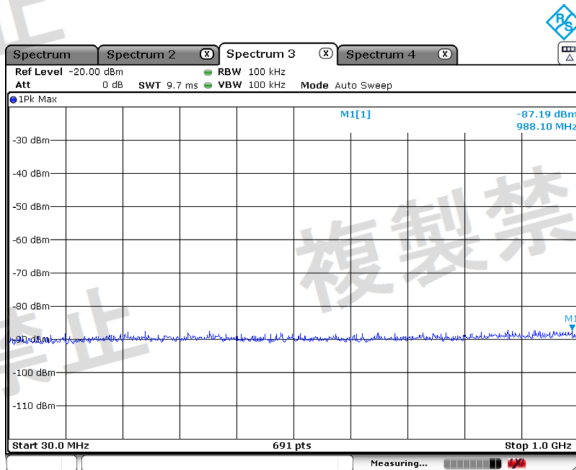
CH Low

30 MHz ~ 1 GHz



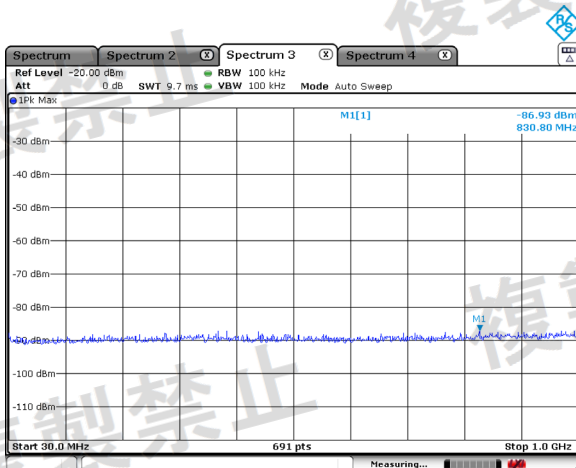
CH Mid

30 MHz ~ 1 GHz

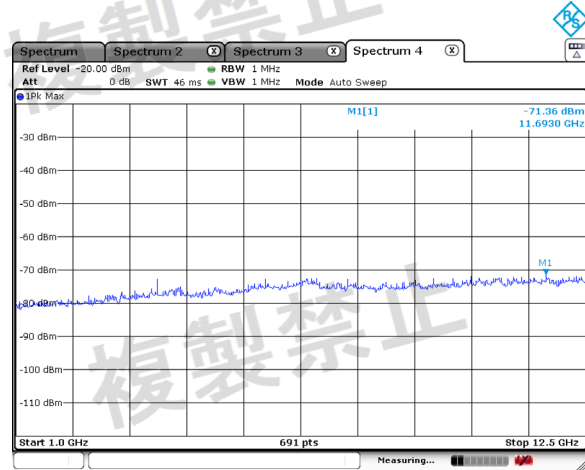


CH High

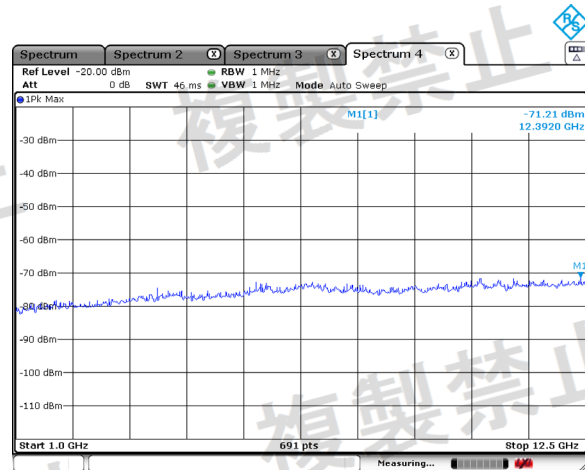
30 MHz ~ 1 GHz



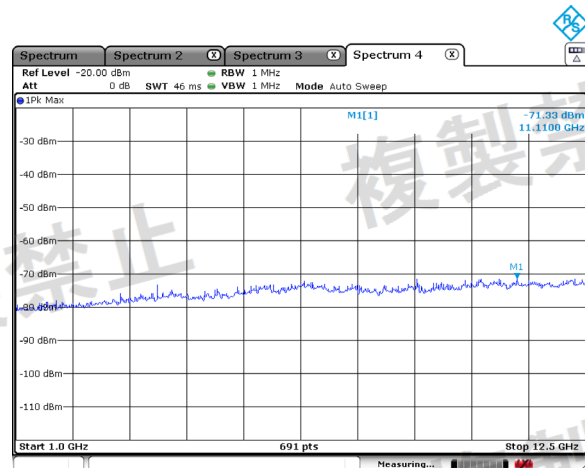
1 GHz ~ 12.5 GHz



1 GHz ~ 12.5 GHz



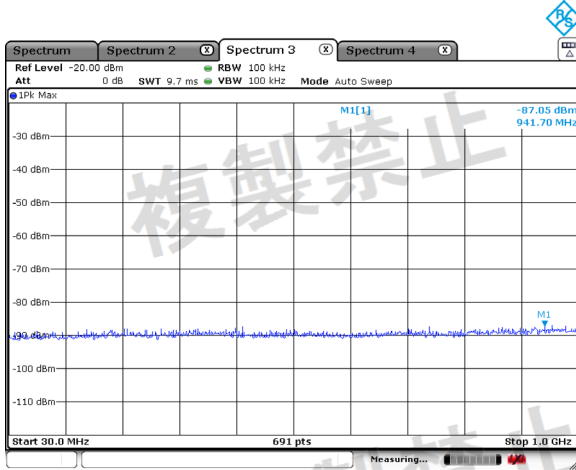
1 GHz ~ 12.5 GHz



BLE2M

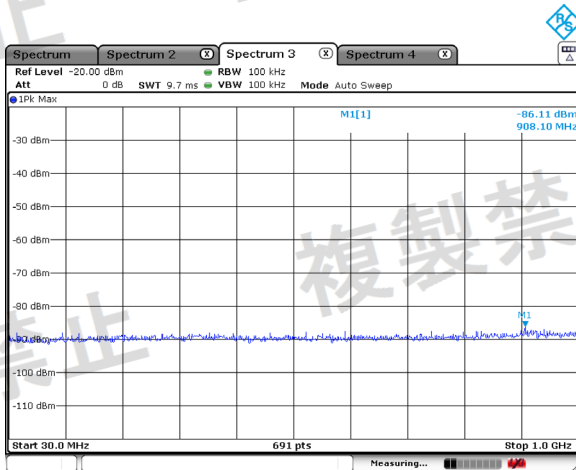
CH Low

30 MHz ~ 1 GHz



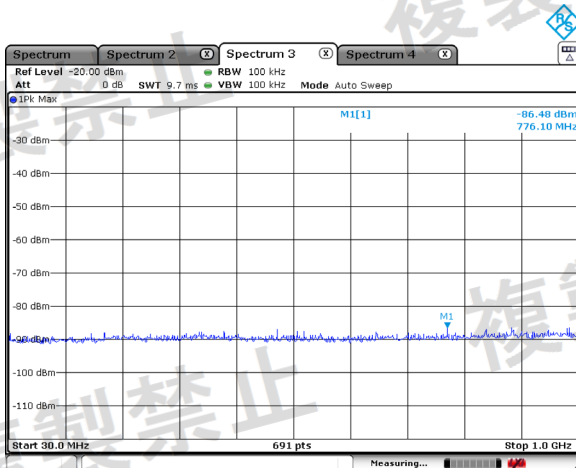
CH Mid

30 MHz ~ 1 GHz

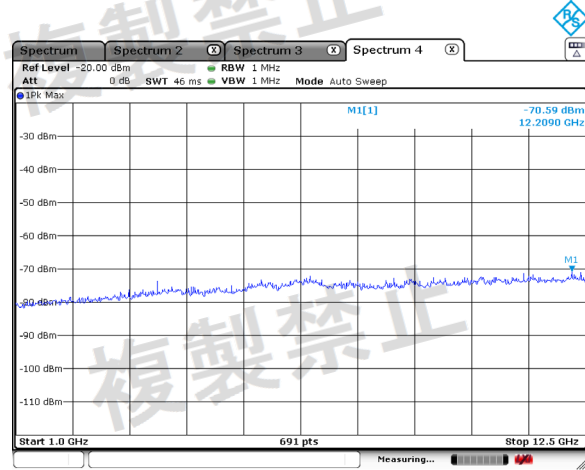


CH High

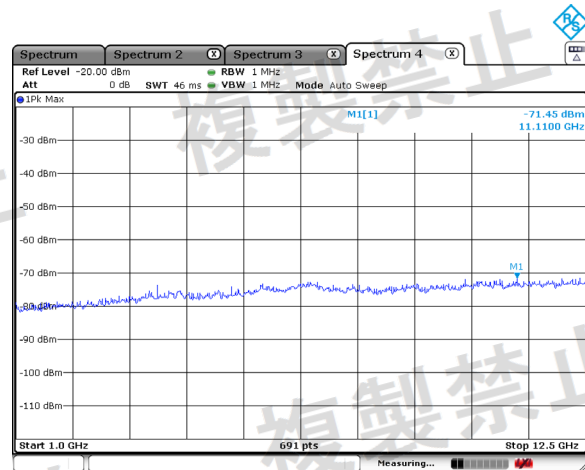
30 MHz ~ 1 GHz



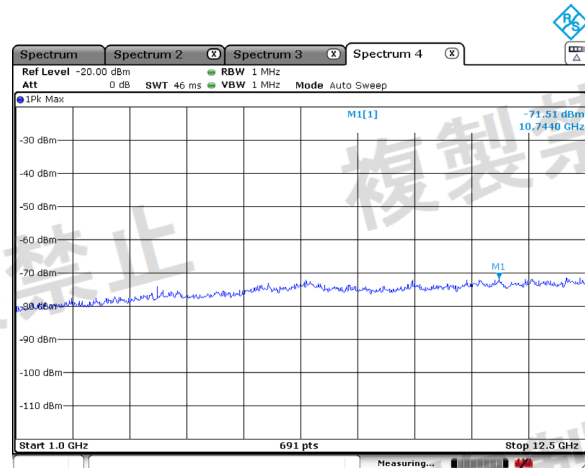
1 GHz ~ 12.5 GHz



1 GHz ~ 12.5 GHz



1 GHz ~ 12.5 GHz



5.6 Interference Prevention Function

5.6.1 Measurement Procedure

The EUT shall have the interference prevention ability to transmit or to receive the identification automatically, so that sender and receiver shall exclude other equipment

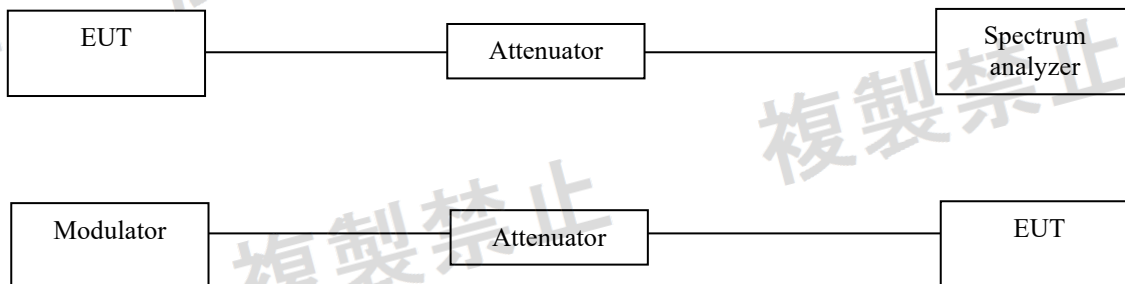
In the case that the EUT has the function of automatically transmitting the identification code:

1. Transmit the predetermined identification codes from EUT
2. Check the transmitted identification codes with the demodulator.

In the case of the receiving the identification codes:

1. Transmit the predetermined identification codes from the counterpart.
2. Check if communication is normal.
3. Transmit the signal other than predetermined ID codes from the counterpart.
4. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

5.6.2 Test setup



5.6.3 Test environment conditions

- Ambient temperature : (20 ~ 22) °C
- Relative Humidity : (46 ~ 49) % R.H.

5.6.4 Test result

Good

5.7 Construction Protection Confirmation

5.7.1 Limit

The high frequency circuit and modulation modules except for antenna shall be structured not to be opened easily.

5.7.2 Confirmation method

The RF and modulation portions are protected against illegal modification as following method:

Tick the appropriate box	
1. Sealed with special screws.	
2. Plastic chassis is being welded using ultrasonic waves.	☐
3. Chassis is glued using a special adhesive.	☐
4. Metal covers are spot-fused.	☐
5. Cover is specially interlocked.	☐
6. RF and Modulation components are covered with shielding case and this shielding case is soldered.	☐
7. Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.	☐
8. Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.	☐
9. Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.	☐
10. RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable part on PCB or adjustable parts are not exposed.	☒