

TEST REPORT

Applicant : Lien Trade Co., Ltd.
Address : Lien Trade company, Office Port307, 2-4-16 Uchihonmachi, Chuo Ward, Osaka, Japan
Manufacturer : Meta-Bounds Inc.
Address : 1st Floor, Building 6, No. 6 Jinyuan 1st Road, Tangjiawan Town, Xiangzhou District, Zhuhai City, Guangdong Province, China
Product Name : Dream Gate Glasses
Model Number : OTS-NBP01AGGMU1
Trademark : N/A
Date of Receipt : May 19, 2025
Test Date : May 19, 2025 to Jun. 04, 2025
Date of Report : Jun. 04, 2025

Test Result : This device described above has been tested by BKC, and the test results show that the equipment under test (EUT) is in compliance with the Article 2 Paragraph 1 of Item 19 requirements. And it is applicable only to the tested sample identified in the report.

Test Procedure Used:

Standards : Article 2 Paragraph 1 of Item 19
MIC Notice No.88 Appendix No.43

Prepared by(Test Engineer):
Sten Huang



Approved(Manager):
Casey Wang



Approved(Manager):
Jerry Liao



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1. General Information

1.1. Description of Device (EUT)

EUT Name : Dream Gate Glasses
Model No. : OTS-NBP01AGGMU1
Model Difference : /
Power supply : DC 3.87V
Operation frequency : 2.402-2.480GHz
Rated output power: : 2mW
Modulation : GFSK
Antenna Type : Inside Antenna, Maximum Gain is -0.91dBi
Intend use environment : Residential, commercial and light industrial environment
Adapter Information : N/A
Hardware version : V1.0
Software version : V1.0

1.2. Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2404	2	2406	3	2408
4	2410	5	2412	6	2414	7	2416
8	2418	9	2420	10	2422	11	2424
12	2426	13	2428	14	2430	15	2432
16	2434	17	2436	18	2438	19	2440
20	2442	21	2444	22	2446	23	2448
24	2450	25	2452	26	2454	27	2456
28	2458	29	2460	30	2462	31	2464
32	2466	33	2468	34	2470	35	2472
36	2474	37	2476	38	2478	39	2480

1.3. Summary of test result

RF PART		
Test Items	Test Requirement	Result
Antenna Power	Article 2 Paragraph 1 of Item 19	PASS
Tolerances for Antenna Power	Article 2 Paragraph 1 of Item 19	PASS
Frequency Tolerance	Article 2 Paragraph 1 of Item 19	PASS
Transmission Rate	Article 2 Paragraph 1 of Item 19	N/A
Occupied Frequency Bandwidth	Article 2 Paragraph 1 of Item 19	PASS
Spread Bandwidth	Article 2 Paragraph 1 of Item 19	N/A
Process Gain	Article 2 Paragraph 1 of Item 19	N/A
Number of Carriers	Article 2 Paragraph 1 of Item 19	N/A
Dwell Time	Article 2 Paragraph 1 of Item 19	N/A
Spurious emission intensity	Article 2 Paragraph 1 of Item 19	PASS
Half-power beam width	Article 2 Paragraph 1 of Item 19	Note1
Carrier Sensing Function	Article 2 Paragraph 1 of Item 19	Note2
Secondary Radiated Emissions	Article 2 Paragraph 1 of Item 19	PASS
Interference prevention function	Article 2 Paragraph 1 of Item 19	PASS
Remark: N/A is an abbreviation for Not Applicable. Note1: means the Max EIRP Power(-0.59dBm) is less than 12.14dBm, the test is not applicable. Note2: Application to transmitting devices which EIRP is less than (2.14dBi + antenna power limit) and the shortage of EIRP is compensated by the antenna power. Not applicable to this product.		

1.4. Test mode

The special RF test software was used to control EUT work in Continuous Bluetooth TX mode, and select test channel, wireless mode, Normal Mode

Test mode	Low channel	Middle channel	High channel
GFSK(TX)	2402MHz	2440MHz	2480MHz
GFSK(RX)	2402MHz	2440MHz	2480MHz
Note:			

1.5. Test Conditions

Supply Voltage			
	Input Voltage (Vac)	Voltage at the input of the RF Circuit (Vdc)	Tolerance (%)
Normal	3.87	3.3	
+10%	4.26	3.3	0
-10%	3.48	3.3	0
Others			
Temperature (° C)		22.5	



Relative humidity	51%.
ATM Pressure:	1019 mbar
Note 1: When the input voltage is reduced or increased by 10%, the regulator voltage changes of less than 1%. So the following test items are conducted in the normal voltage.	

1.6. Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for radio frequency	1×10^{-9}	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.6°C	
Uncertainty for humidity	1%	
Spurious emissions conducted	± 0.21 dB	
OBW	± 0.20 KHz	

1.7. Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Hardware Version	Software Version
/	/	/	/	/

1.8. Test Facility

Site Description		
Name of Firm	:	Shenzhen BKC Testing Co., Ltd.
Site Location	:	Room103, 1/F, Huaya Building, Huaya Industrial Park, Yousong Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China

1.9. Test Equipment

Radiated Test Site(Below 1G and Above 1G)

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB 9168	01321	Mar. 19. 2028
2	EMI Test Receiver	R&S	ESRP	101478	Mar. 09. 2026
3	Preamplifier	HP	8447D	2727A05345	Mar. 09. 2026
4	Double Ridged Broadband	SCHWARZBECK	BBHA 9120D	02621	Mar. 19. 2028
5	Preamplifier	Schwarzbeck	BBV 9718D	00041	Mar. 09. 2026
6	Rf cables	HUBER+SUHNER	8M-RE	N/A	Mar. 09. 2026
7	Rf cables	HUBER+SUHNER	1.5M-RE	N/A	Mar. 09. 2026
8	Rf cables	HUBER+SUHNER	1.5M-AP-RE	N/A	Mar. 09. 2026
9	Loop antenna	TESEQ	HLA6121	58357	Mar. 09. 2026
10	Spectrum analyzer	R&S	200061	200061	Mar. 09. 2026
11	Double Ridged Broadband Horn Antenna	COM-POWER	AH-1840	10100009	Mar. 09. 2026
12	Preamplifier	COM-POWER	AH-1840	10100009	Mar. 09. 2026

RF Test Site

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum	Agilent	N9020A	MY50510311	Mar. 10. 2026
2	Vector source	Agilent	N5182A	MY47420223	Mar. 10. 2026
3	All instrument	Rohde & Schwarz	CMW 500	101131	Mar. 10. 2026
4	control unit	MW	MW100-RFCB	MW200411BK-34	Mar. 10. 2026
5	Testing software	MW	MTS 8310	/	/
6	Spectrum analyzer	R&S	200061	200061	Mar. 10. 2026

Test software information

Software name/version	HA-PC Link Plus/3.04
Software name/version	EMI Testing software/EMEC-3A1+

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (C) From JRL Article 24-2, paragraph 4, Item 2

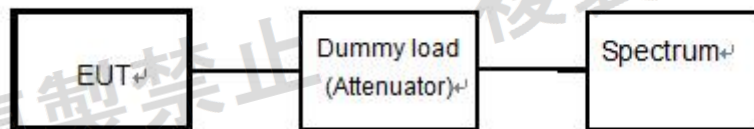
2. Frequency Tolerance

2.1. Limit

According to Radio Law of Japan item 19 of Article 2 Paragraph 1, Clause 3.2 (4), the Tolerance of frequency: $\pm 50 \times 10^{-6}$.

Limit
50ppm

2.2. Test Setup



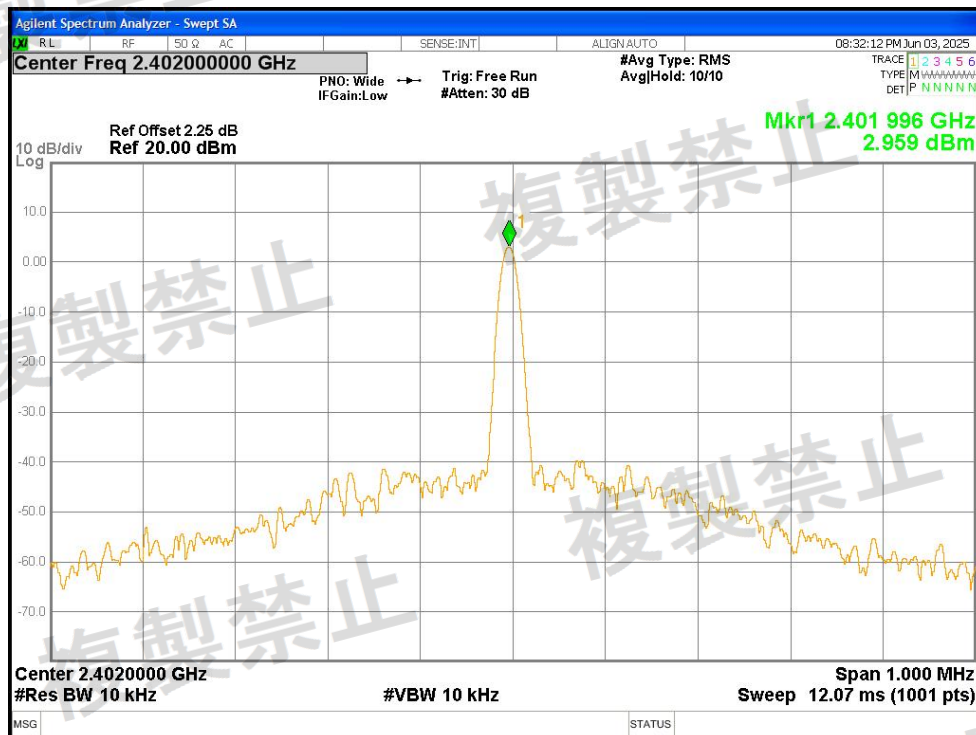
2.3. Test Procedure

1. In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a Spectrum.
2. Set RBW = 10 kHz.
3. Set the video bandwidth (VBW) = RBW.
4. SPAN=1MHz
5. Detector = Peak.
6. Trace mode = max hold.
7. Sweep = auto couple.

2.4. Test Result

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	CW	2402	2401.996	-4000	-1.67	50	Pass
NVNT		2440	2439.996	-4000	-1.64	50	Pass
NVNT		2480	2479.996	-4000	-1.61	50	Pass

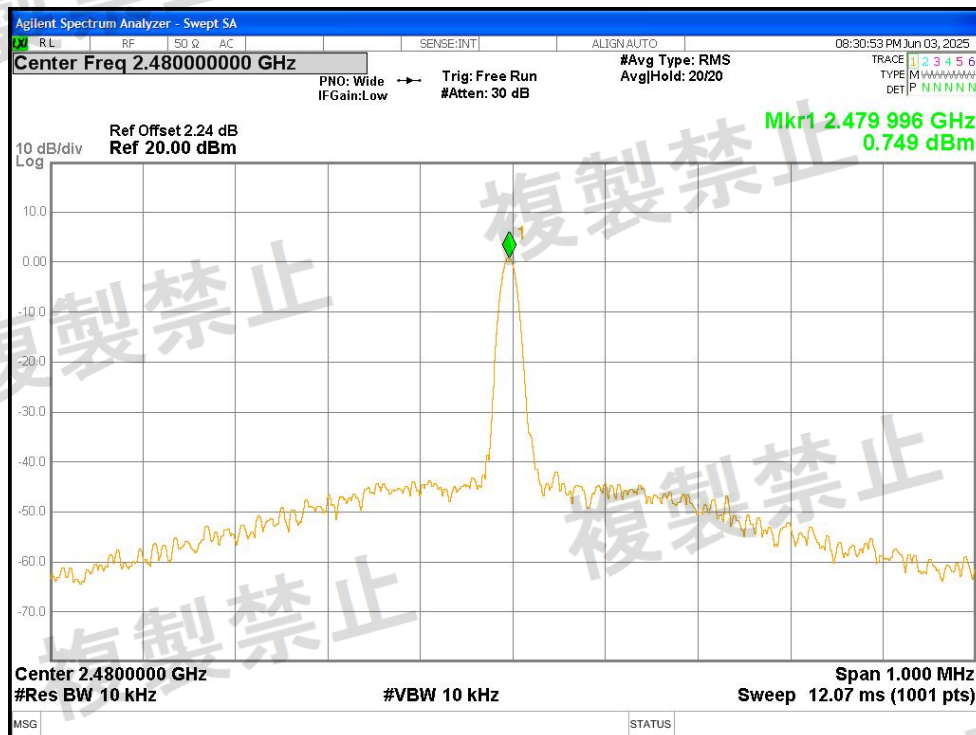
Note: Tolerance (ppm)=Deviation (Hz)/Frequency (MHz)



Freq. Error NVNT BLE 1M 2402MHz Ant1



Freq. Error NVNT BLE 1M 2440MHz Ant1



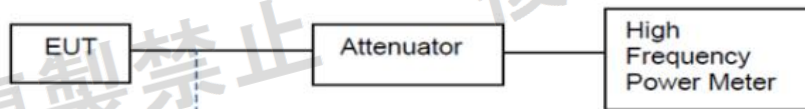
Freq. Error NVNT BLE 1M 2480MHz Ant1

3. Antenna Power Error Measurement

3.1. Limit

Item	Limits
Antenna Power Density	10mW
EIRP Power	12.14-22.14dBm
Antenna Power Error	+20% No lower limit

3.2. Test Setup



3.3. Test Procedure

- Connect the high frequency power meter to the attenuator and measure the total power.
- Set the antenna power as follows:
Continuous waves: • Use a fast power sensor suitable for 2.4 GHz and capable of minimum 1 MS/s.
Use the following settings:
- Sample speed 1 MS/s or faster.
- The samples shall represent the RMS power of the signal.

3.4. Test Result

Condition	Mode	Frequency (MHz)	Power (dBm)	Antenna Power (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	0.32	1.08	2	-46	20	Pass
NVNT	BLE 1M	2440	-0.44	0.9	2	-55	20	Pass
NVNT	BLE 1M	2480	-1.97	0.64	2	-68	20	Pass

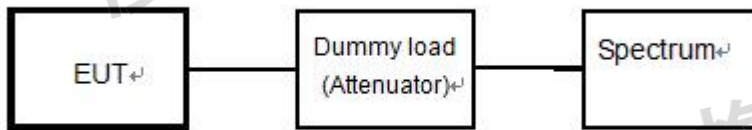
Note: The max EIRP power is -0.59dBm (0.32dBm + -0.91dBi) that is less 12.14dBm.

4. Occupied Frequency Bandwidth(99%)

4.1. Limit

Item	Limits
Occupied Band Width(99%):	$\leq 26\text{MHz}$

4.2. Test Setup



4.3. Test Procedure

1. Setting of SA is following as: RB: 300KHz / VB:300KHz / SPAN: 3MHz / AT: 10dB Ref:

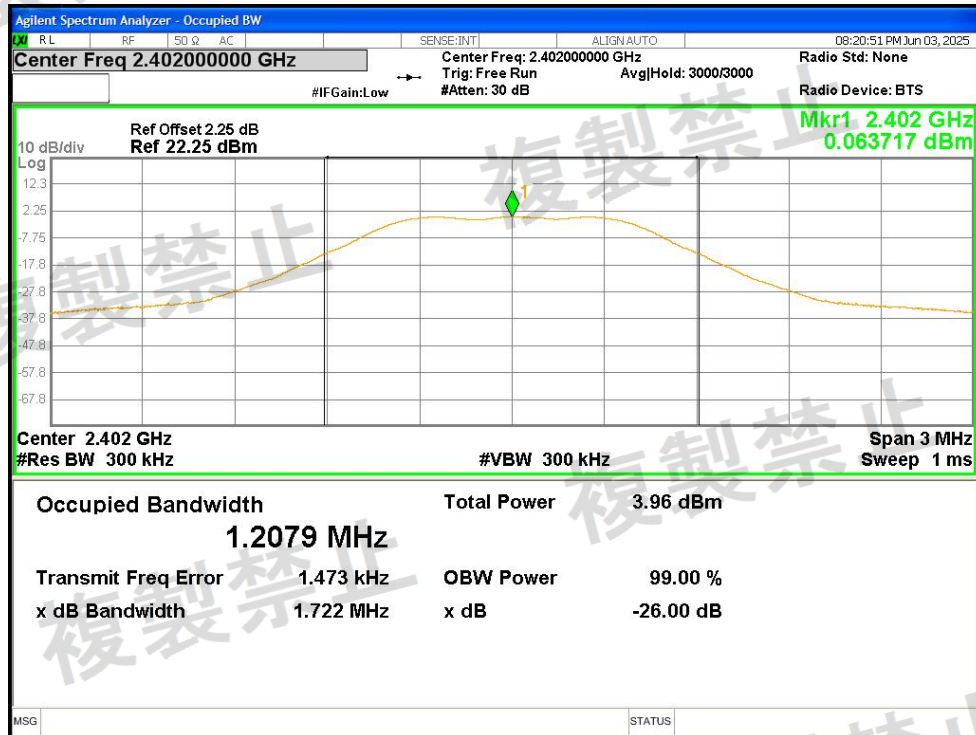
0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold

2. EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode(For FHSS Device).

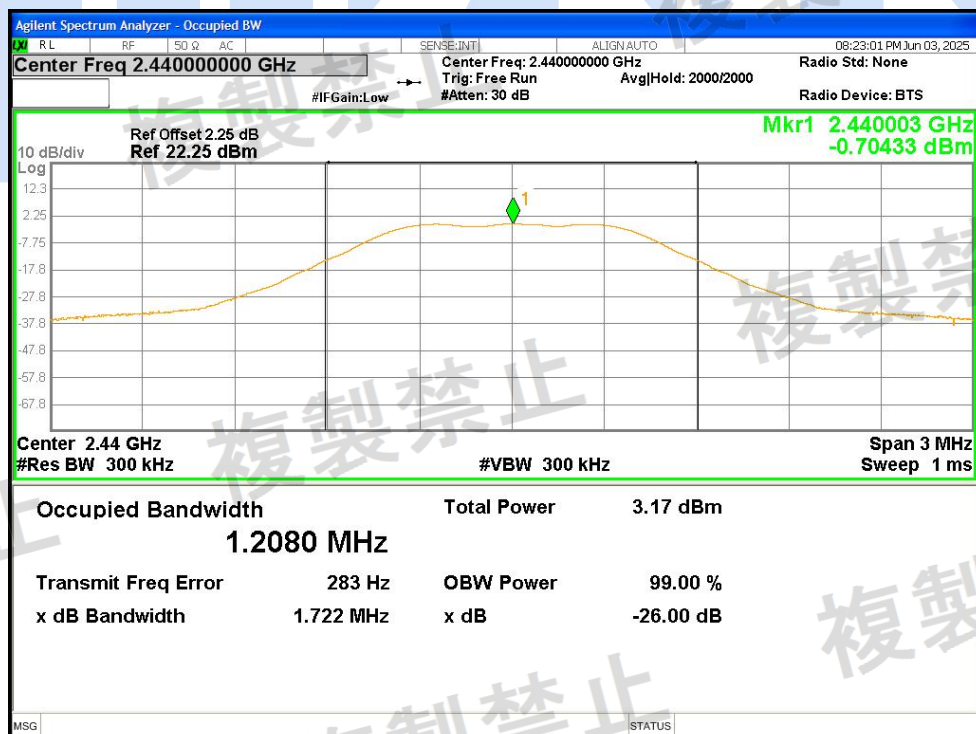
SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26MHz(For DSSS, OFDM Device or Other Digital methods) or 83.5MHz(For FHSS Device).

4.4. Test Result

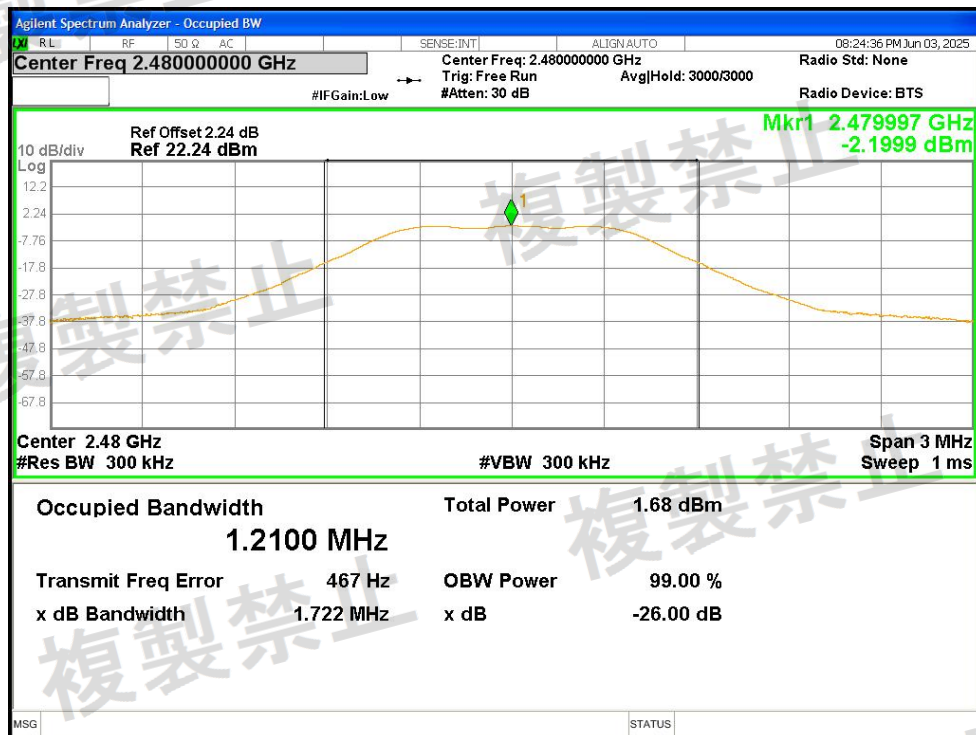
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.208	$\leq 26\text{MHz}$	Pass
NVNT	BLE 1M	2440	Ant1	1.208		Pass
NVNT	BLE 1M	2480	Ant1	1.21		Pass



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



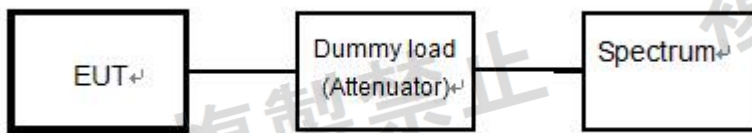
OBW NVNT BLE 1M 2480MHz Ant1

5. Unwanted Emission Intensity Measurement

5.1. Limit

Item	Limit
TX Spurious Emission	30MHz - 2387MHz; 2.5 μ W/MHz or less
	2387MHz – 2400MHz; 25 μ W/MHz or less
	2483.5MHz – 2496.5MHz; 25 μ W/MHz or less
	2496.5MHz – 12.5GHz; 2.5 μ W/MHz or less

5.2. Test setup

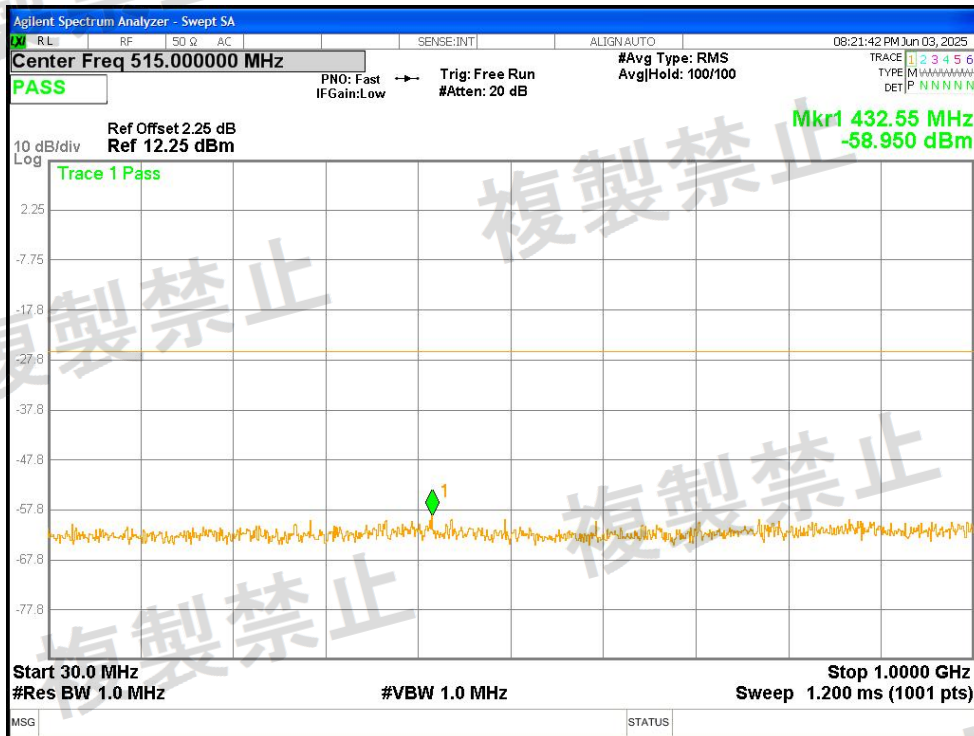


5.3. Test Procedure

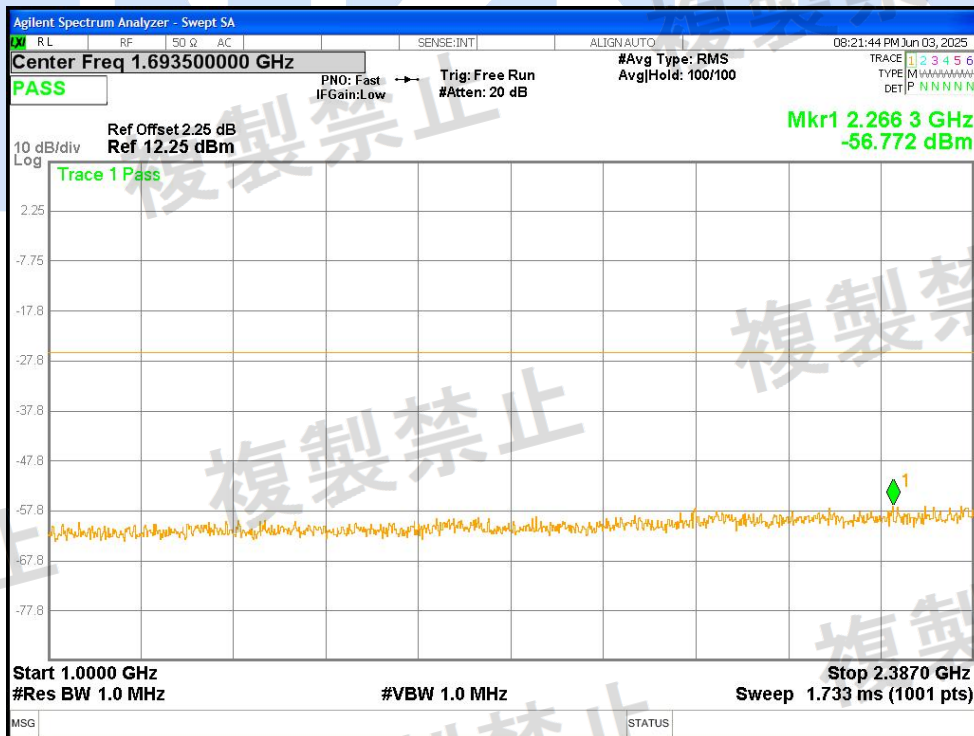
1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: Below 1GHz RB:1MHz / VB:1MHz
Above 1GHz RB:1MHz / VB:1MHz / AT: 10dB Ref: 0dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
3. Setting of SA is following as 30MHz and stop frequency 1000MHz Then to mark peak reading value + cable loss shall be less than 0.25 μ W.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25 μ W.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25 μ W
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W
8. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.

5.4. Test Result

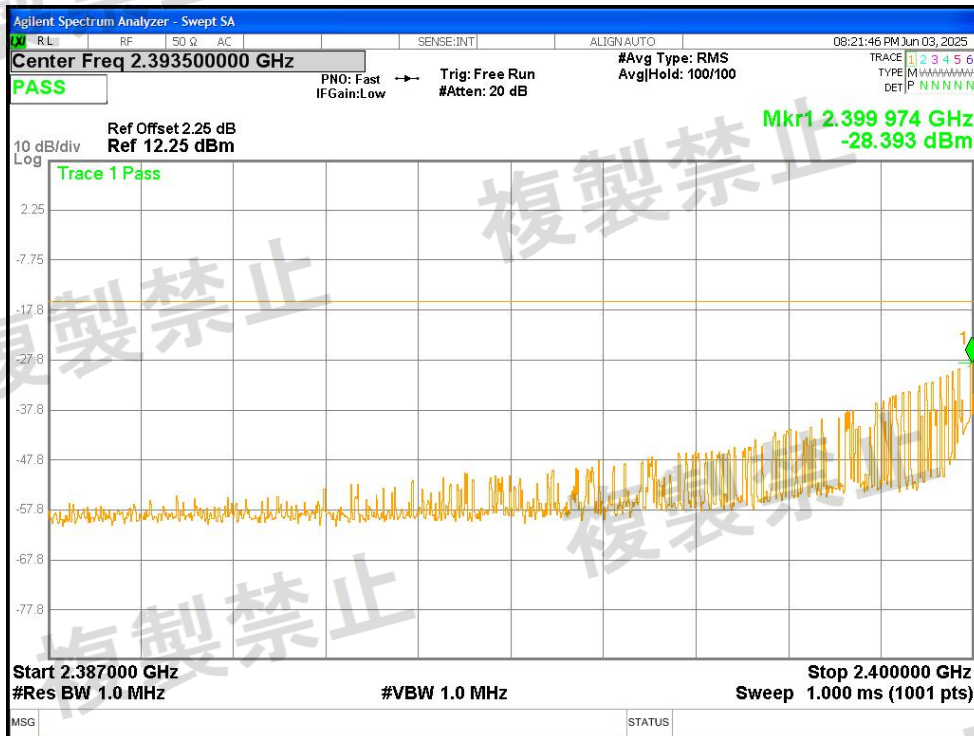
Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit Start(dBm)	Limit Stop (dBm)	Verdict
BLE	2402	Ant1	30-1000	432.55	-58.95	-26	-26	Pass
BLE	2402	Ant1	1000-2387	2266.33	-56.77	-26	-26	Pass
BLE	2402	Ant1	2387-2400	2399.97	-28.39	-16	-16	Pass
BLE	2402	Ant1	2483.5-2496.5	2492.31	-56.45	-16	-16	Pass
BLE	2402	Ant1	2496.5-13000	4807.27	-30.17	-26	-26	Pass
BLE	2440	Ant1	30-1000	943.74	-59.02	-26	-26	Pass
BLE	2440	Ant1	1000-2387	2152.6	-56.22	-26	-26	Pass
BLE	2440	Ant1	2387-2400	2398.43	-56.25	-16	-16	Pass
BLE	2440	Ant1	2483.5-2496.5	2483.54	-56.05	-16	-16	Pass
BLE	2440	Ant1	2496.5-13000	4880.79	-30.44	-26	-26	Pass
BLE	2480	Ant1	30-1000	432.55	-58.67	-26	-26	Pass
BLE	2480	Ant1	1000-2387	2288.52	-56.26	-26	-26	Pass
BLE	2480	Ant1	2387-2400	2399.6	-55.93	-16	-16	Pass
BLE	2480	Ant1	2483.5-2496.5	2483.69	-39.72	-16	-16	Pass
BLE	2480	Ant1	2496.5-13000	4964.82	-32.94	-26	-26	Pass



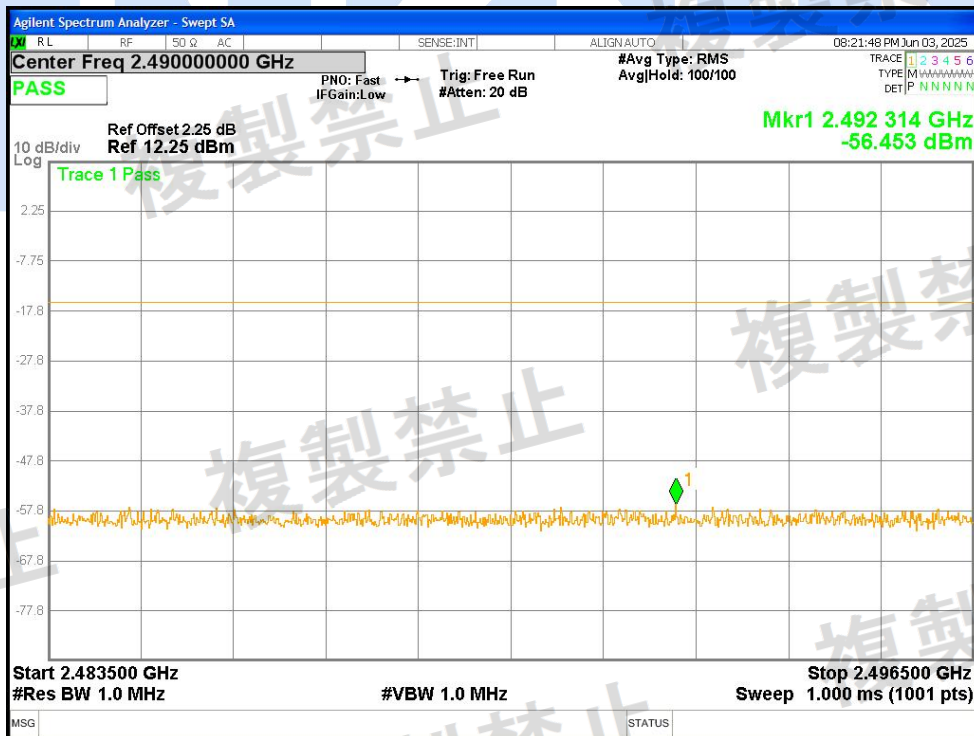
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



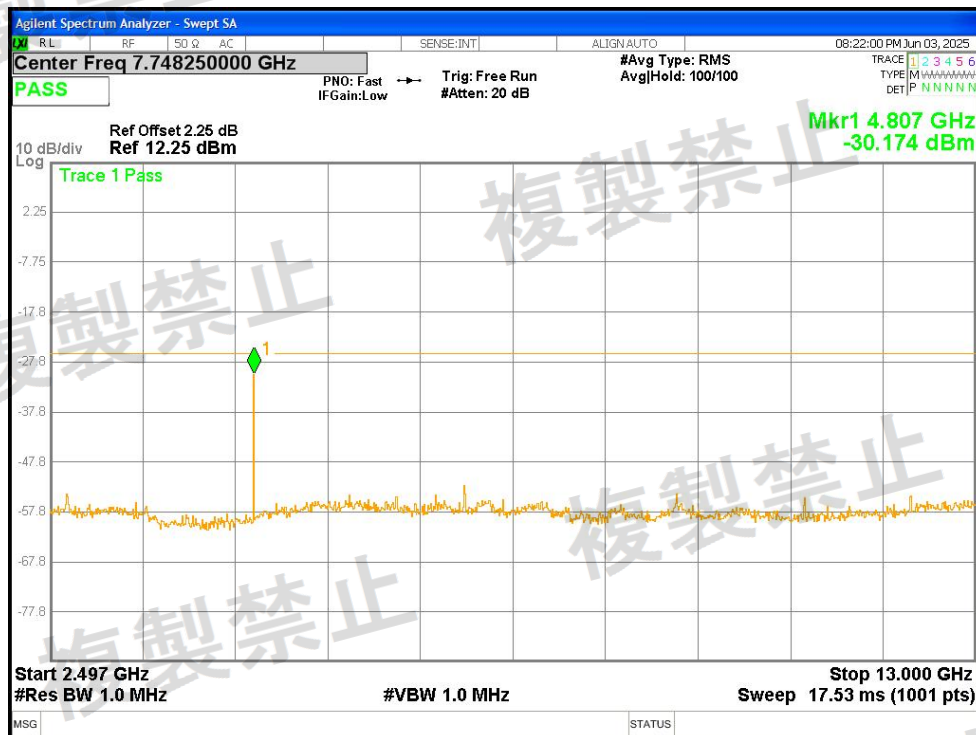
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



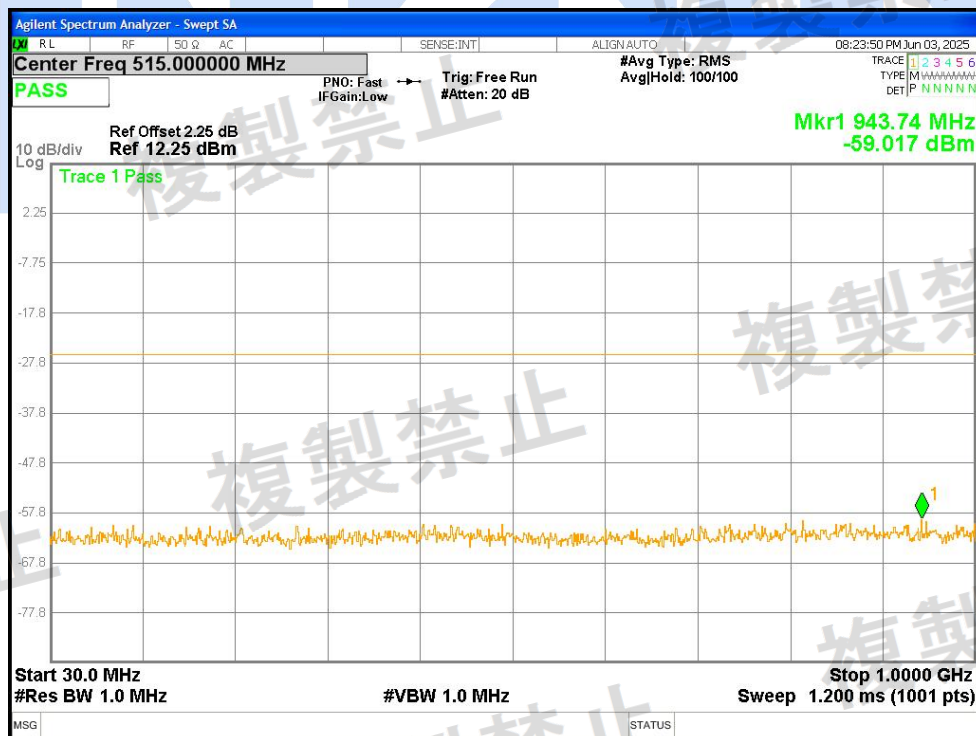
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



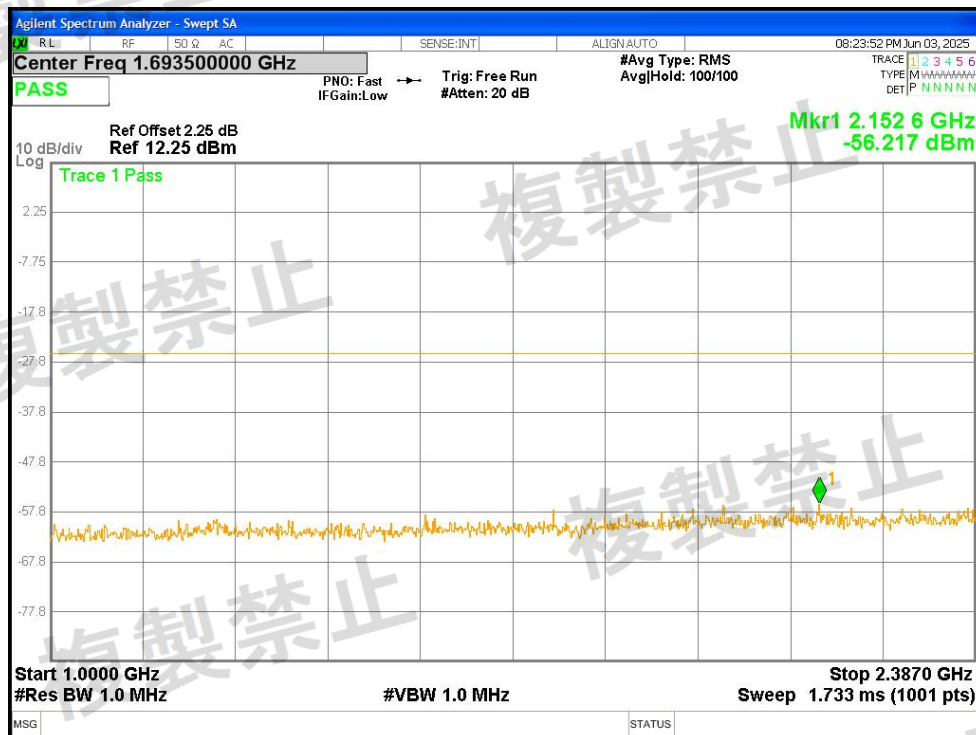
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



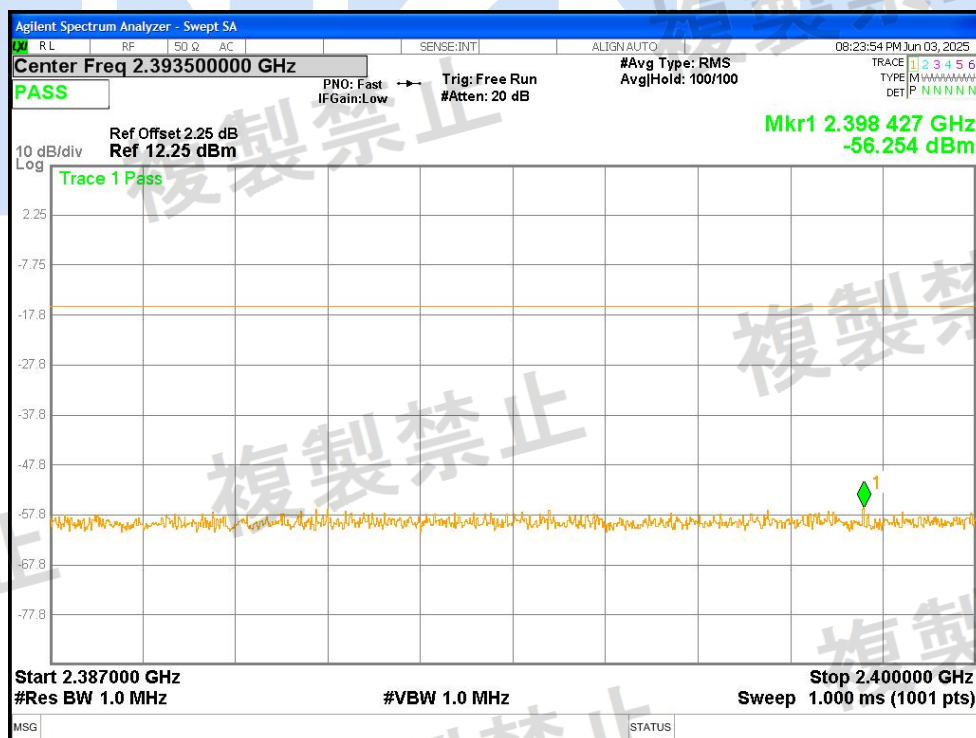
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



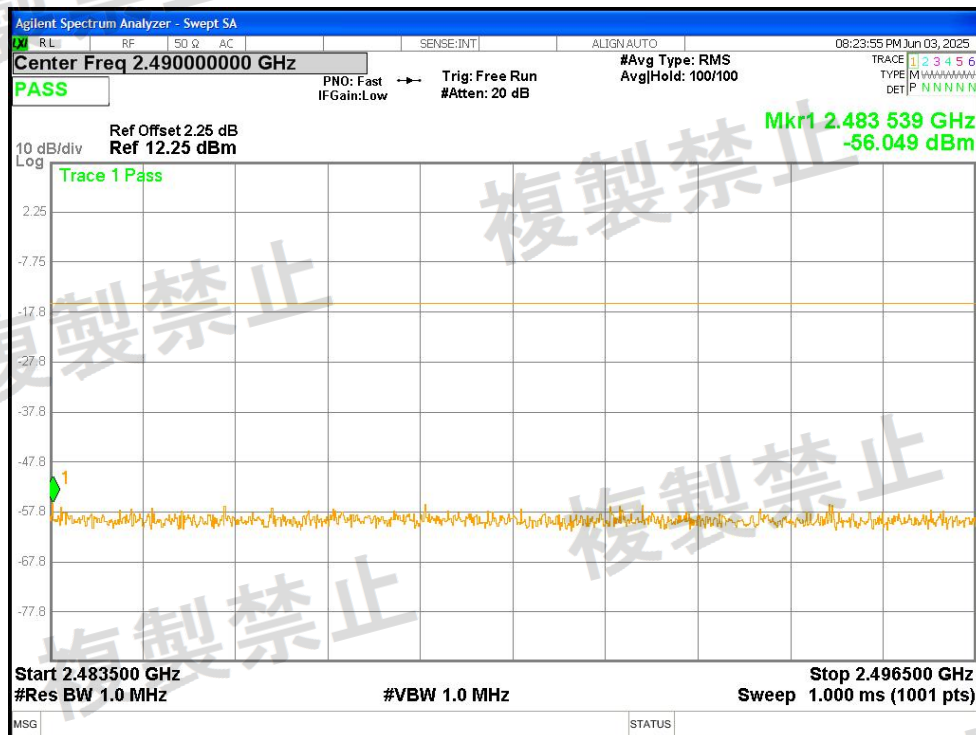
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



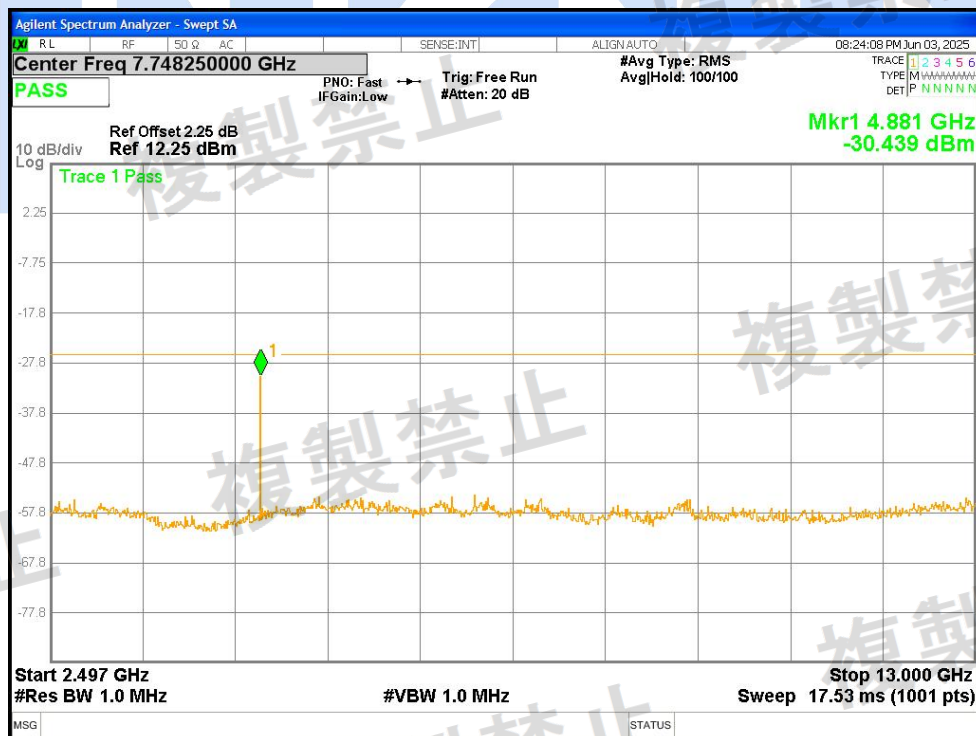
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz



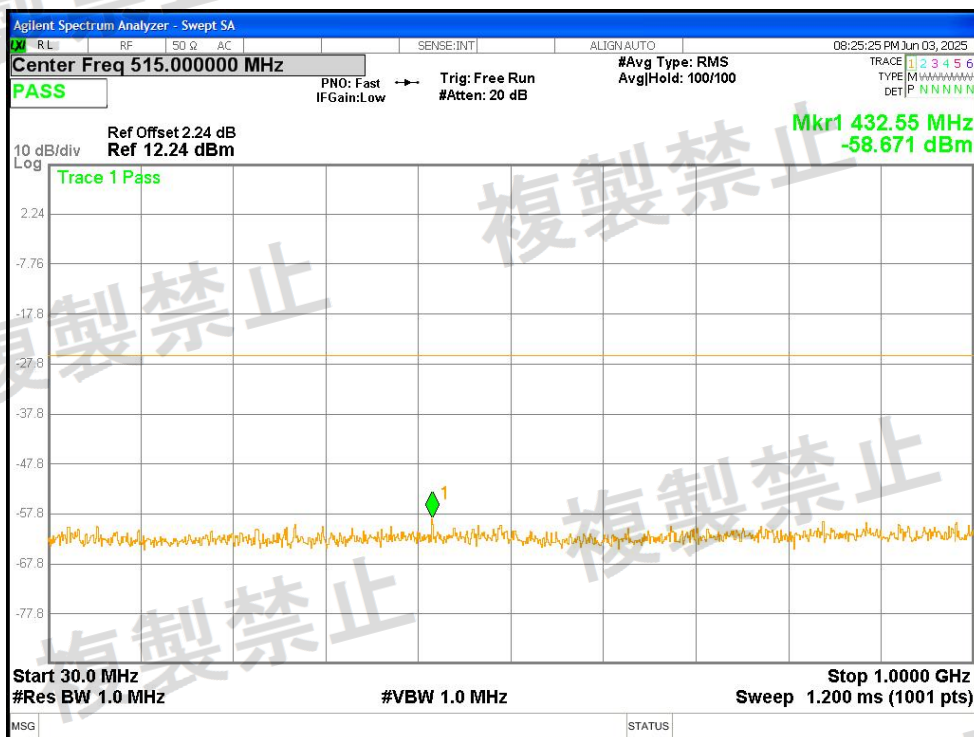
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



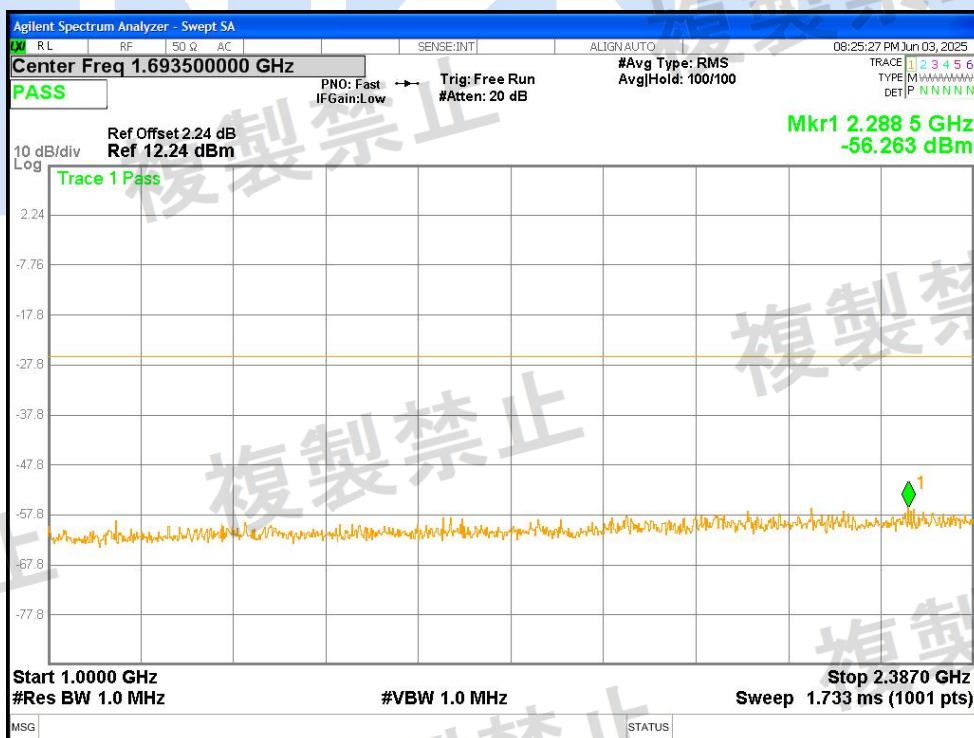
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



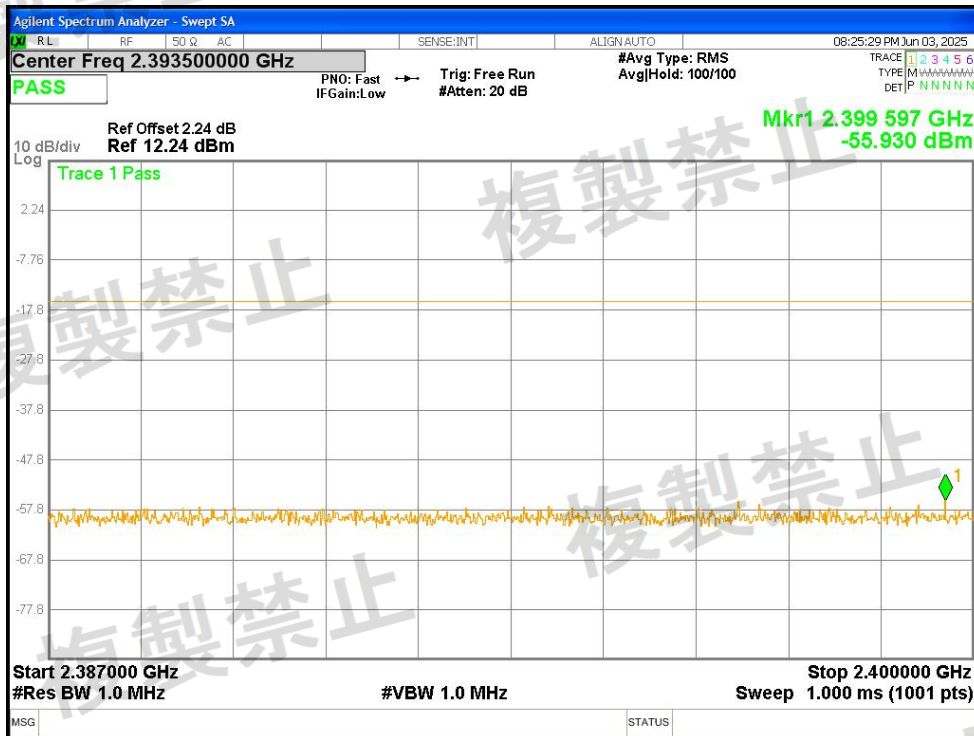
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



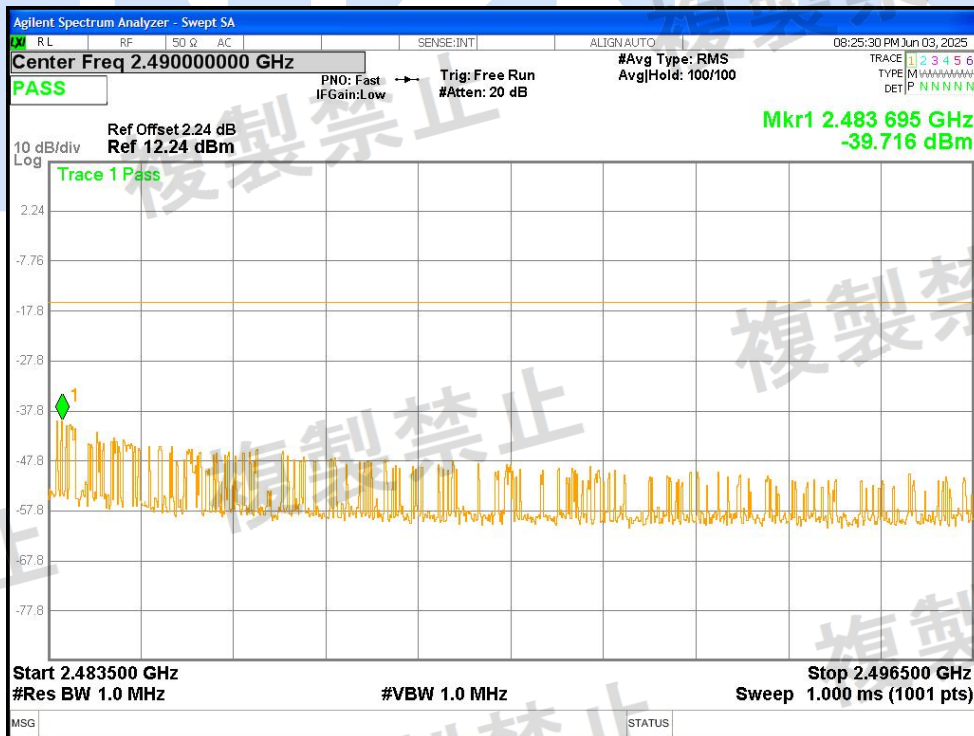
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



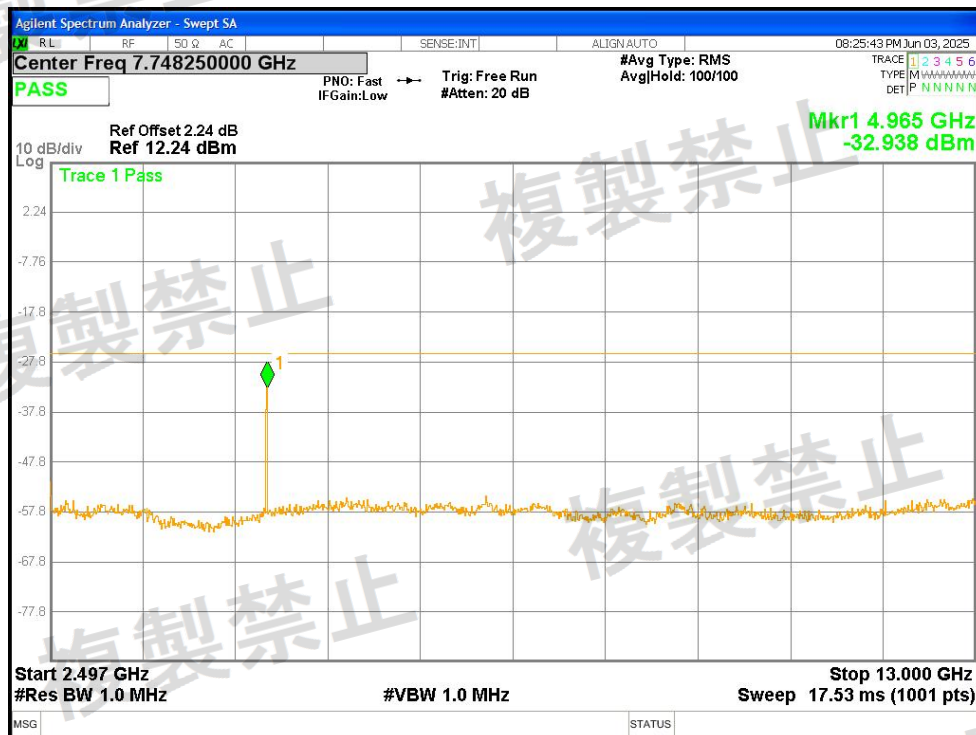
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



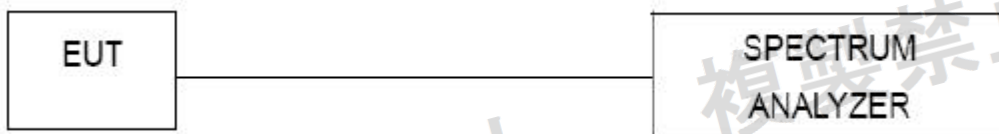
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz

6. Secondary Radiated Emissions

6.1. Limit

Item	Limit
RX Spurious Emission	$\leq 4 \text{ nW}$ (Below 1GHz)
	$\leq 20 \text{ nW}$ (Above 1GHz)

6.2. Test Setup

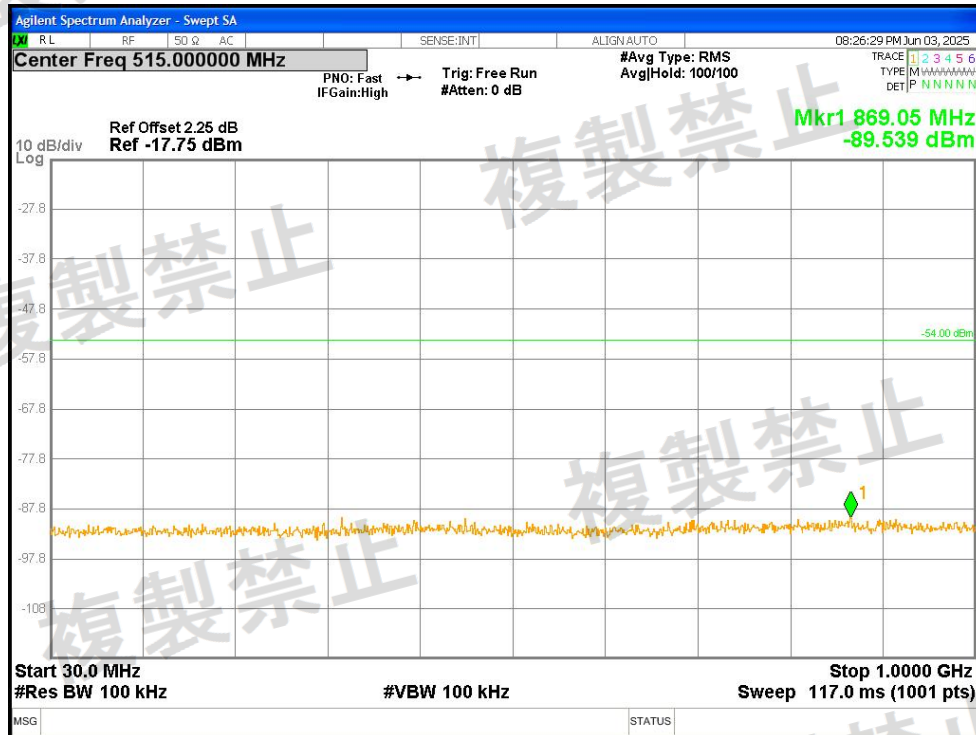


6.3. Test Procedure

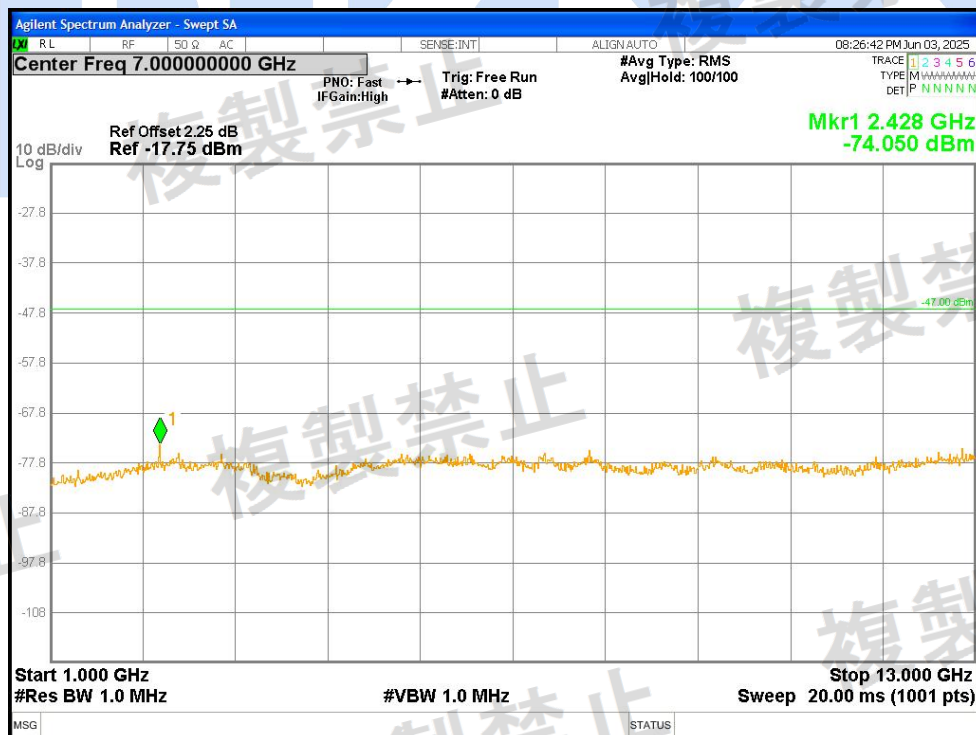
1. EUT have the continuous reception mode and fixed only one channelize.
2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) / AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
5. If power level of lower emissions are more than 1/10 of limit (.0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

6.4. Test Result

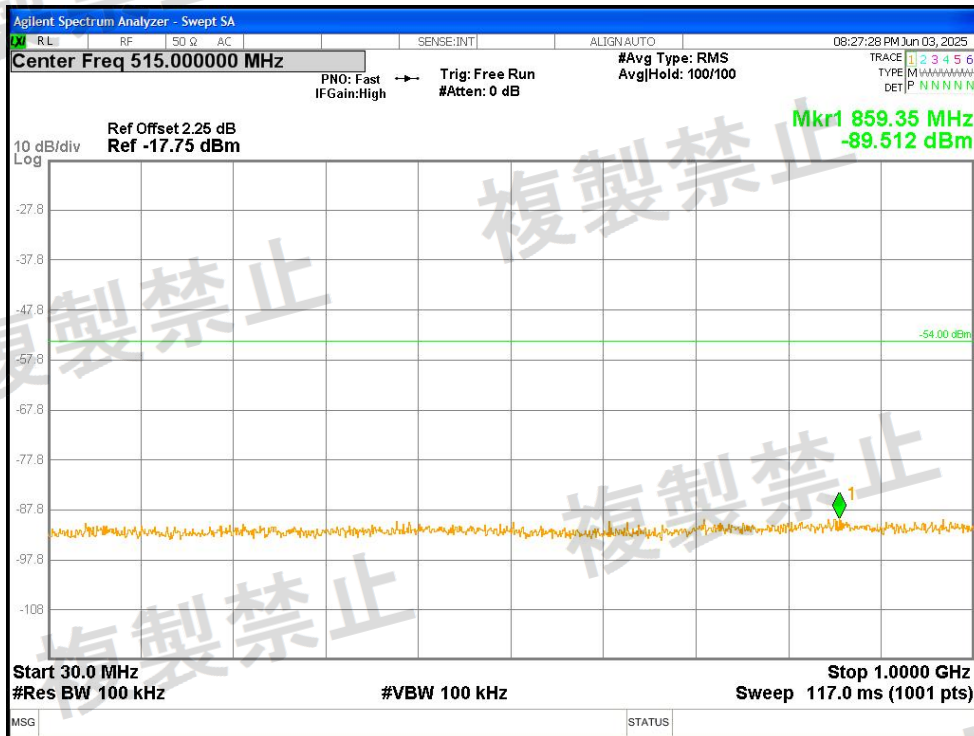
Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	Ant1	30-1000	869.05	-89.54	-54	Pass
BLE 1M	2402	Ant1	1000-13000	2428	-74.05	-47	Pass
BLE 1M	2440	Ant1	30-1000	859.35	-89.51	-54	Pass
BLE 1M	2440	Ant1	1000-13000	5488	-75.29	-47	Pass
BLE 1M	2480	Ant1	30-1000	966.05	-89.42	-54	Pass
BLE 1M	2480	Ant1	1000-13000	12784	-74.76	-47	Pass



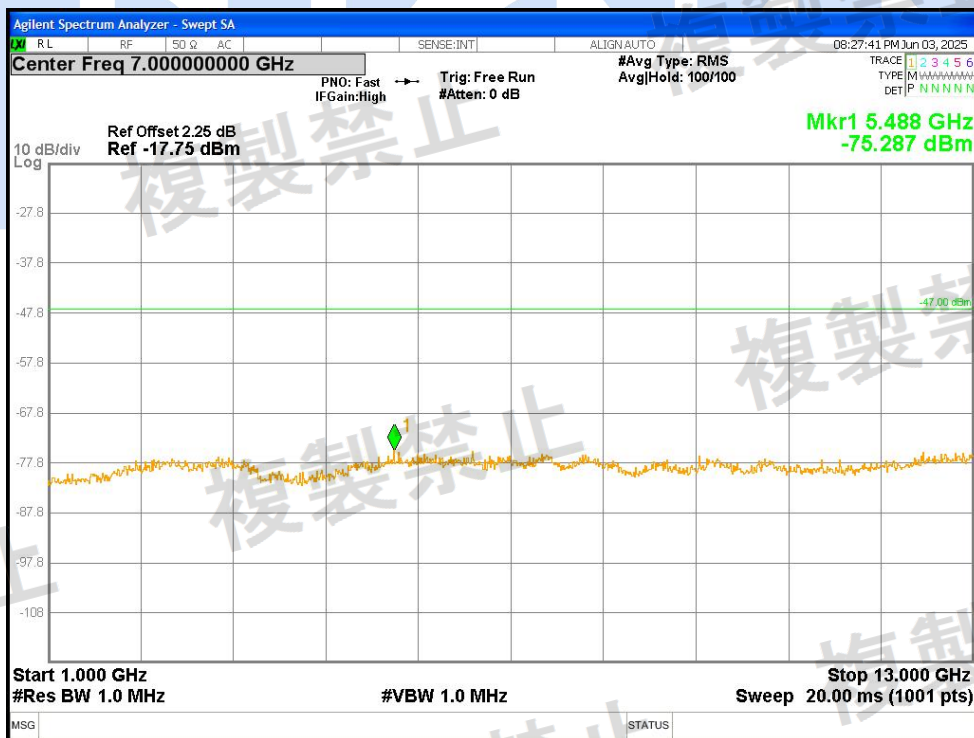
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



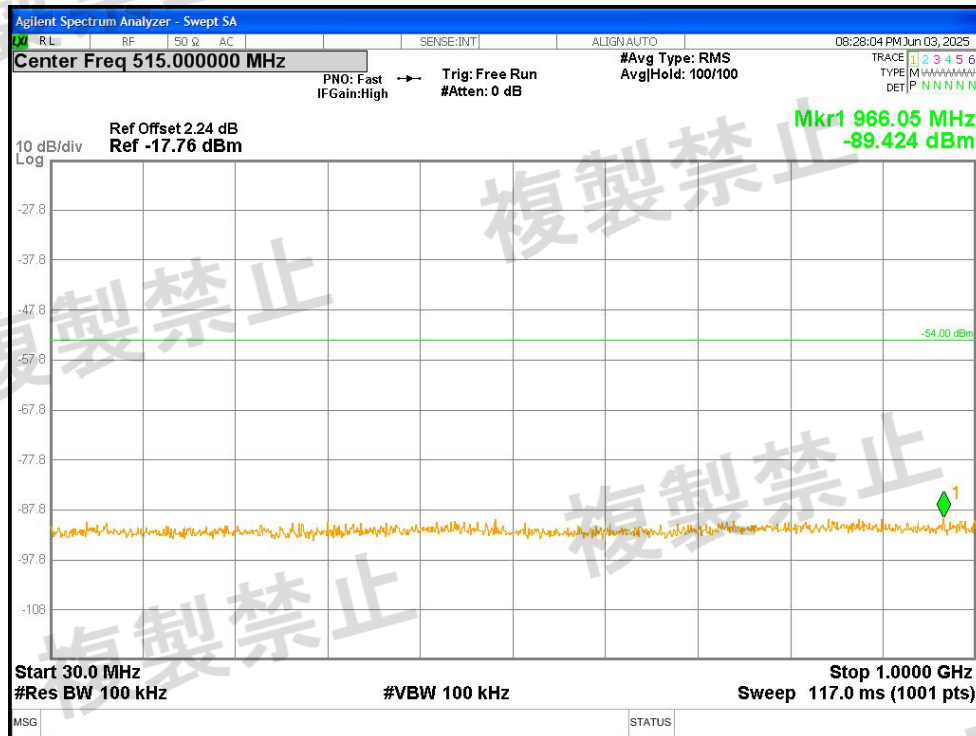
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz



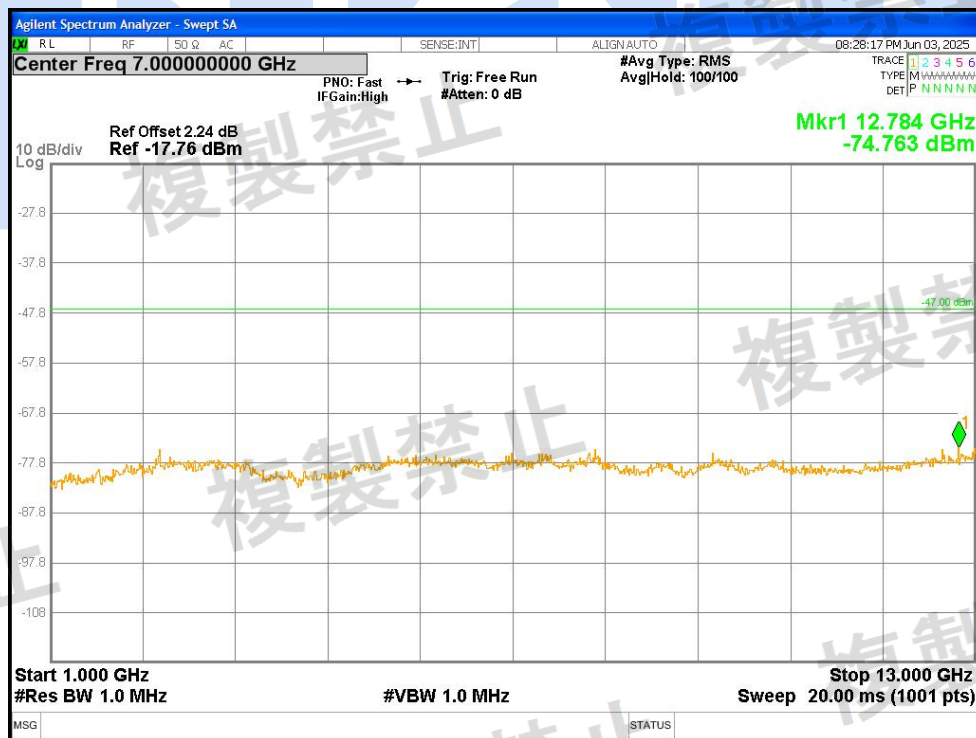
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



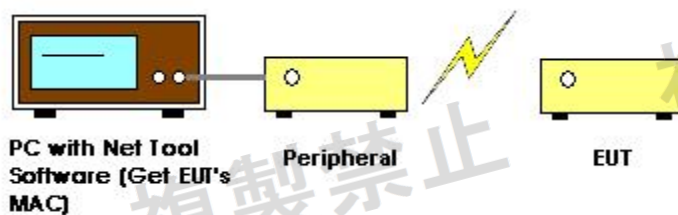
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz

7. Interference prevention function

7.1. Limit

Item	Limits
Identification code	≥ 48 bits

7.2. Test Setup



7.3. Test Procedure

- In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
- In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the signals other than predetermined ID codes from the counterpart. d. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

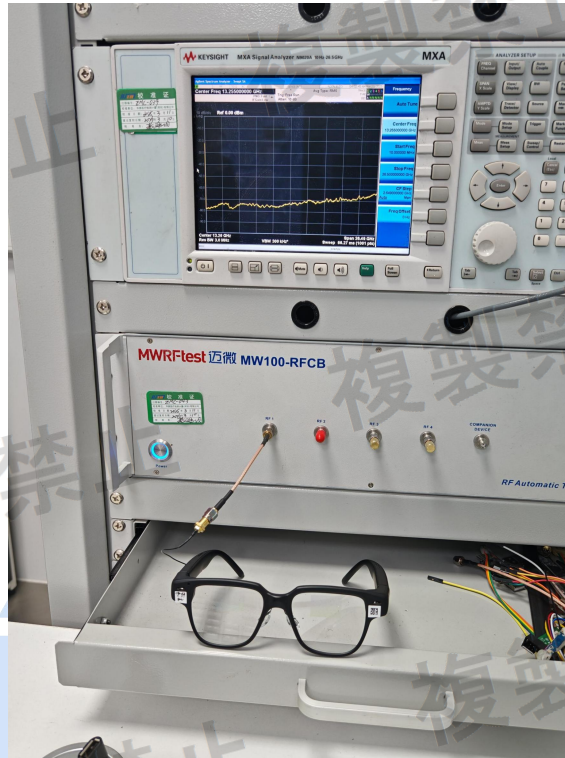
7.4. Test Result

EUT BD Address plot:



8. Test Photographs

Normal Conditions



9. Photos of the EUT

Reference to the appendix Photos.