



Radio Test Report

Report No.:STS2605052W01

Issued for

SICHUAN YINGMU TECHNOLOGY CO.,LTD

No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China

Product Name: AI RING4

Brand Name: INMO

Model Name: IMR401

Series Model(s): N/A

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

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name : SICHUAN YINGMU TECHNOLOGY CO.,LTD
Address : No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road, Chenghua District, Chengdu, Sichuan Province, China
Manufacturer's Name : SICHUAN YINGMU TECHNOLOGY CO.,LTD
Address : No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road, Chenghua District, Chengdu, Sichuan Province, China

Test specification:

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

Product Description

Product Name : AI RING4
Brand Name : INMO
Model Name : IMR401
Series Model(s) : N/A

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with Article 2 Paragraph 1 of Item 19, MIC Notice No.88 Appendix No.43 requirements. And it is applicable only to the tested sample identified in the report.

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Testing

Date of receipt of test item : 13 May 2026
Date (s) of performance of tests : 13 May 2026 ~ 05 June 2026
Date of Issue : 05 June 2026
Test Result : **Pass**

Testing Engineer :

Aaron Bu

(Aaron Bu)

Technical Manager :

Skylar Li

(Skylar Li)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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TX SPURIOUS EMISSION

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RX SPURIOUS EMISSION

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APPENDIX 2-EUT TEST PHOTO

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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	05 June 2026	STS2605052W01	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Article 2 Paragraph 1 of Item 19 of the certification Measurement Project		
Ordinance Regulating Radio Equipment	Description of Test	Judgement
Article 5	Frequency Error	PASS
Article 6	Occupied Bandwidth (99%)	PASS
Article 7	Unwanted Emission Intensity	PASS
Article 14&49-20	Power Error	PASS
Article 24.2	Limitation of Collateral Emission of Receiver	PASS
Article 49-20	Transmission Radiation power	PASS
Article 49-20	Transmission Radiation Angle Width (3dB Beamwidth)	N/A
Article 9-4.5	Radio Interference Prevention Capability	PASS
Article 49-20	Carrier Sense Capability(1)	N/A Note(3)
Article 49-20	Carrier Sense Capability(2)	N/A Note(4)
Article 49-20	Construction Protection Confirmation	PASS

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report.

(2) Article 2 Paragraph 1 of Item 19, MIC Notice No.88 Appendix No.43

(3) 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

(4) Application to transmitting devices which OFDM modulation occupied bandwidth greater than 26MHz.



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	Frequency tolerance	$\pm 0.03\text{ppm}$
4	Occupied Channel Bandwidth	$\pm 3.6\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Equipment	AI RING4	
Brand Name	INMO	
Model Name	IMR401	
Series Model(s)	N/A	
Model Difference	Two different sizes (L,M) of the same product	
Product Description	The EUT is AI RING4	
	Operation Frequency:	2402~2480 MHz
	Modulation Type:	GFSK
	Number Of Channel:	40CH
	Antenna Designation:	Please refer to the Note 3.
	Antenna Gain(Peak):	2.8dBi
Channel List	Please refer to the Note 2.	
Rating	Input: DC 5V/50mA	
Adapter	N/A	
Battery	Model: HL150732 Rated Voltage: 3.7V Charge Limit Voltage: 4.2V Capacity: 18mAh Manufacturer: Hunan Hengli Electronic Technology Co., Ltd	
Hardware version	V 1.0	
Software version	V1.2.8	
Connecting I/O Port(s)	Please refer to the Note 1.	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.



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Channel List for BLE							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	10	2422	20	2442	30	2462
01	2404	11	2424	21	2444	31	2464
02	2406	12	2426	22	2446	32	2466
03	2408	13	2428	23	2448	33	2468
04	2410	14	2430	24	2450	34	2470
05	2412	15	2432	25	2452	35	2472
06	2414	16	2434	26	2454	36	2474
07	2416	17	2436	27	2456	37	2476
08	2418	18	2438	28	2458	38	2478
09	2420	19	2440	29	2460	39	2480

3. Table for Filed Antenna

Ant.	Antenna Brand	Antenna Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1		PBX2012MA01	bipolar	N/A	2.8	BLE ANT

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description
Mode 1	TX Mode (CH00)
Mode 2	TX Mode (CH39)

2.3 TABLE FOR PARAMETERS OF THE TEST SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and going to be fixed on the firmware of the final end product.

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BLE	BLE	GFSK	2.8	5	bt_tool_v1.1.2

2.4 TEST CONDITIONS

The module was tested while in a continuous transmitter/receiver mode.

The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all Modes to determine worst case levels.

During the measurement the environmental conditions were within the listed ranges:

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 25.4°C

- Humidity: 51 %

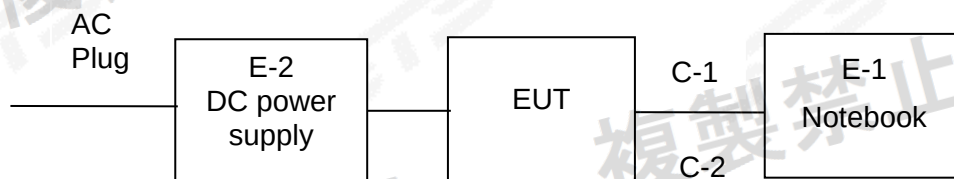
- Atmospheric pressure: 96 kPa

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input DC Power(V)	3.7	4.07	3.33



2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Notebook	DELL	Inspiron 3501	N/A
E-2	DC power supply	HONGSHENG FENG	DPS-305AF	N/A
C-1	Serial port board	XES	WTYZK	N/A
C-2	USB Cable	MI	RYEW3A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-2	Shielded	NO	150cm	N/A

Note:1. For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.7 EQUIPMENTS LIST FOR ALL TEST ITEMS

RF Connected Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Generator	Keysight	N5182B	MY57301448	2025.09.26	2026.09.25
Signal Analyzer	Agilent	N9020A	MY51510623	2026.02.04	2027.02.03
RF Coaxial Cable	XINQY	CT40PE	DC-40G	2026.02.04	2027.02.03
Temperature & Humidity	TORIE	TP502V4-P	67000001242 11	2025.10.09	2026.10.08
Digital Oscilloscope	Tektronix	TDS1012B	C062149	2025.09.22	2026.09.21
Power Sensor	Keysight	U2021XA	MY55520005	2025.09.25	2026.09.24
Power Divider	eastsheep	PD-0.5/0.6-2S	B519	2026.02.24	2027.02.23
Attenuator	Agilent	8494B	DC-18G	2026.02.24	2027.02.23
DC power supply	HONGSHENG FENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Switch control box	MW	MW100-RFCB	52206001	2025.09.23	2026.09.22
Test SW	MW	MTS 8310_2.0.0.0			

Test Equipment Calibration

All of the test equipment is effective use and calibration certification institution, GRGT, the address is No.8 Chuangyun Rd, Panyu District, Guangzhou, Guangdong, China

Note: The calibration agency listed on the table corresponds to item ii c) of Article 24-2 paragraph 4.



3. CONSTRUCTION PROTECTION CONFIRMATION

Our products apply for Japanese radio frequency (rf) certification. The high-frequency section and modulation section use SMT technology, not easy to change.(The chip have more than 10 chip pins, less than 1.5mm pin distance.)





4. FREQUENCY ERROR

4.1 LIMIT

Item	Limits
Frequency Error	$\pm 50\text{ppm}$

4.2 TEST PROCEDURES

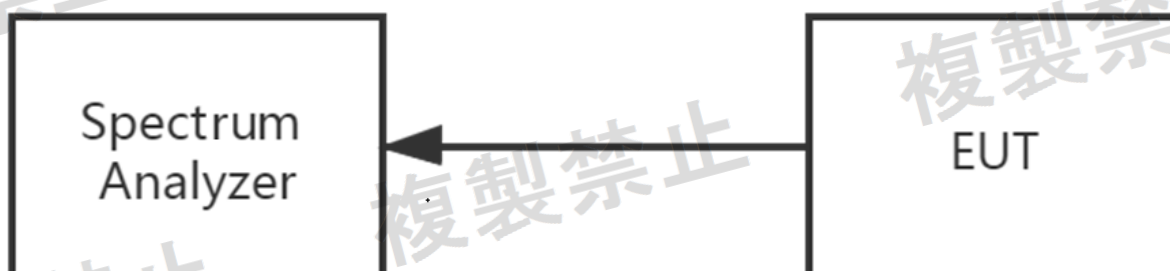
The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- (1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a spectrum analyzer.
- (2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
- (3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
- (4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

4.3 TEST SETUP



4.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.

5. ANTENNA POWER

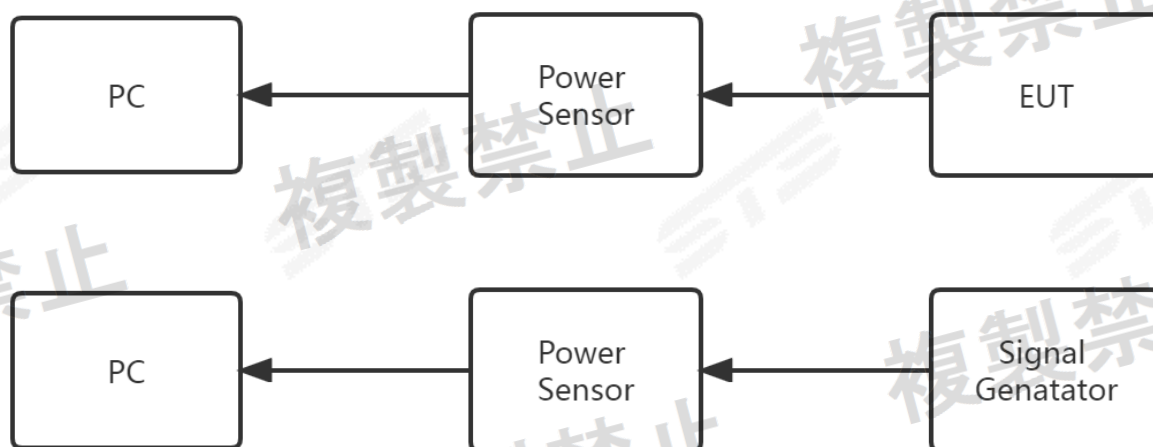
5.1 LIMIT

Item	Limits
Antenna Power Density	$\leq 3\text{mW/MHz}$ (FH from 2400 – 2483.5 MHz) $\leq 10\text{mW/MHz}$ (FH 2400 – 2483.5 MHz except 2427-2470.75 MHz) $\leq 10\text{mW/MHz}$ (OFDM,DS from 2400~2483.5MHz, 802.11b/g/n HT20) $\leq 5\text{mW/MHz}$ (OFDM,DS from 2400~2483.5MHz, 802.11n HT40) $\leq 10\text{mW}$ (Other from 2400~2483.5MHz)
Power Error	+20%, No lower limit (Base on manufacturer declare power)

5.2 TEST PROCEDURE

1. EUT turn to test frequency channel and keep continuous transmitting.
2. Reading the output power from the Power sensor as PEUT.
3. Turn the Signal generator to frequency channel the same as the EUT.
4. Turn the level of Signal generator, scan with the power meter until the power equal to PEUT, the level of Signal generator recorded as "P".
5. The antenna power of EUT is "P".
6. EIRP power="P"+antenna gain.

5.3 TEST SETUP



5.3 TEST DEVIATION

There is no deviation with the original standard.



5.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.

6. RADIATION POWER

6.1 LIMIT

Item	Limits
Radiation power EIRP	FH from 2427 - 2470.75 MHz ,EIRP $\leq$ 6.91dBm/MHz CCK/OFDM/DBPSK (2400~2483.5MHz) OFDM or DS other than (802.11b/g/n HT20) EIRP $\leq$ 12.14 dBm/MHz OFDM or DS other than (802.11n HT40) EIRP $\leq$ 9.13dBm/MHz Other from 2400~2483.5MHz: 12.14 dBm or less

6.2 TEST RESULT

Note: The test data please refer to APPENDIX 1.



7. OCCUPIED BANDWIDTH (99%)

7.1 LIMIT

Item	Limits
Occupied Band Width:	$\leq 83.5\text{MHz}$ (FH;FH+DS;FH+OFDM) $\leq 26\text{MHz}$ (Others) 26MHz-40MHz (for 40M)

7.2 TEST PROCEDURE

1. Setting of SA is following as: RB: 300KHz / VB: 300KHz / SPAN: 2~3.5*OBW / 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 or OFDM Device) or 83.5MHz(For FHSS Device).

7.3 TEST SETUP



7.4 TEST DEVIATION

There is no deviation with the original standard.

7.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Note: The test data please refer to APPENDIX 1.



8. UNWANTED EMISSION INTENSITY MEASUREMENT

8.1 LIMIT

Item	Limits
TX Spurious Emission	$\leq 2.5 \mu\text{W/MHz}$ ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

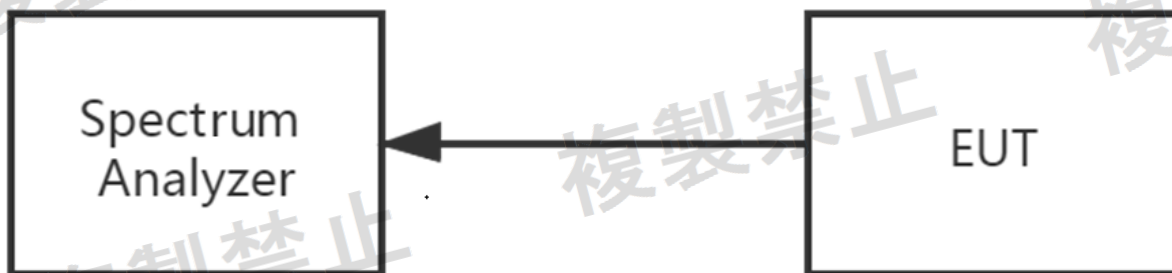
8.2 TEST PROCEDURE

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz/1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB: 1MHz / VB: 1MHz / 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 $2.5 \mu\text{W/MHz}$.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz. Then to mark peak reading value + cable loss shall be less than $2.5 \mu\text{W/MHz}$.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than $25 \mu\text{W/MHz}$.
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 $25 \mu\text{W/MHz}$.
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12750MHz. Then to mark peak reading value + cable loss shall be less than $2.5 \mu\text{W/MHz}$.
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.



8.3 TEST SETUP



8.4 TEST DEVIATION

There is no deviation with the original standard.

8.5 TEST RESULT

Note: 1. SA set to from 2.4965GHz to 13GHz, plot shows from 2.497GHz to 13GHz as of SA's default format. The test data please refer to APPENDIX 1.



9. IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

9.1 LIMIT

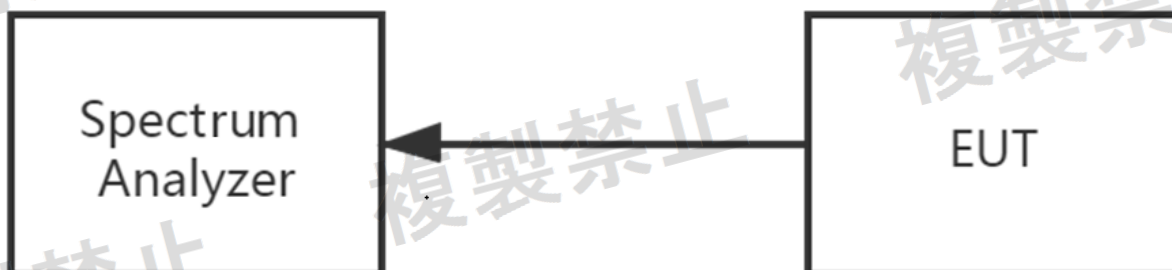
Item	Limits
RX Spurious Emission:	$\leq 4\text{nW}$ ($f < 1\text{GHz}$)
	$\leq 20\text{nW}$ ($1\text{GHz} \leq f$)

9.2 TEST PROCEDURES

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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) / 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.

9.3 TEST SETUP



9.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.



10. TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH) MEASUREMENT

10.1 LIMIT

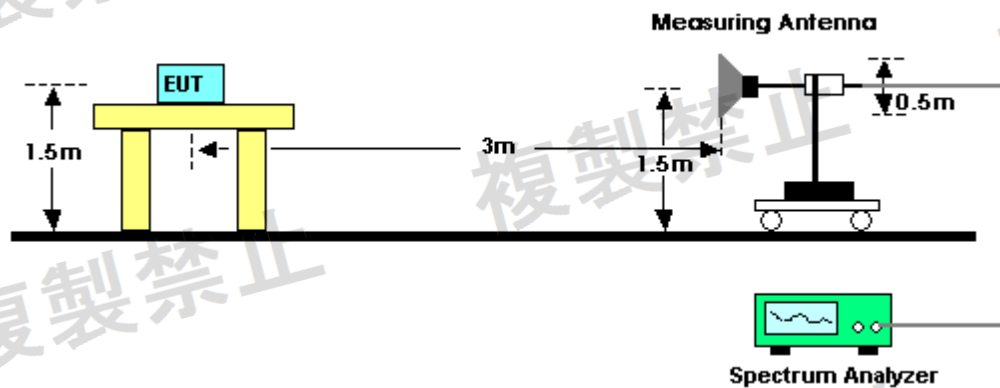
Item	Limits
3dB antenna beam width	$e \leq 360/A$ (The A is 10 in maximum) $A = \{ \text{EIRP Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)} \} \}$ Shall be 1 when A is lower than 1
Note: This test item is not applied for radio equipment with equivalent isotropic radiation power lower than 12.14dBm/MHz, but Antenna Power(Conducted) limit is 10 mW/MHz (10 dBm/MHz), So the test item will not be applied to the transmission antenna which has a gain of 2.14dBi or less	

10.2 TEST PROCEDURES

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 11.2 and tune reference level to observe receiving signal position.
3. Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within $\pm 50\text{cm}$ of EUT height and swing it to find the maximum output of measuring antenna. "E" is the half-power beam width (angle between two points at which radiated power becomes 1/2)
5. Calculate permitted radiation angle in horizontal and vertical using EIRP measured in another test method.
6. Calculate 3dB antenna beam width by the formula below $360/A$ (If $A < 1$; then $A = 1$).
 $A = \{ \text{EIRP Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)} \} \}$
Shall be 1 when A is lower than 1

10.3 TEST SETUP



10.4 TEST DEVIATION

There is no deviation with the original standard.

10.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

10.6 TEST RESULT

Note: The Max EIRP is less than 12.14dBm, not applicable.

11. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

11.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

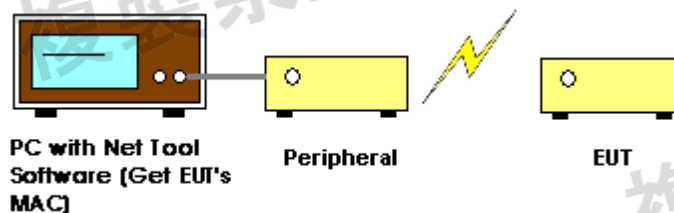
11.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

11.3 TEST PROCEDURES

1. 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.
2. 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.

11.4 TEST SETUP



11.5 TEST DEVIATION

There is no deviation with the original standard.

11.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.



11.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

Note: The MAC Address is 0C:86:29:C9:14:89

12. CARRIER SENSE CAPABILITY

12.1 INTERFERENCE PREVENTION FUNCTION

12.2 TEST REQUIREMENT

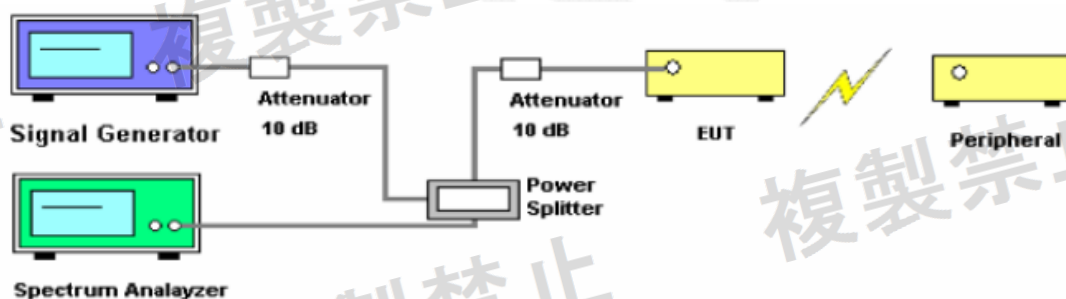
MIC Notice No.88 Appendix No.43

Article 2, Paragraph 1, Item 19 Rules Section 10

12.3 TEST PROCEDURE

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is (on $22.79 + G - 20 \cdot \log(f)$ dBm)(G is the antenna gain, f is the test Frequency).
2. Turn off the RF signal of the SG.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Setting of SA :RBW/VBW=1MHz/1MHz, Span=0MHz, Sweep time=auto, Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.

❖ Measurement System Diagram



❖ Conditions of Application Equipment (EUT)

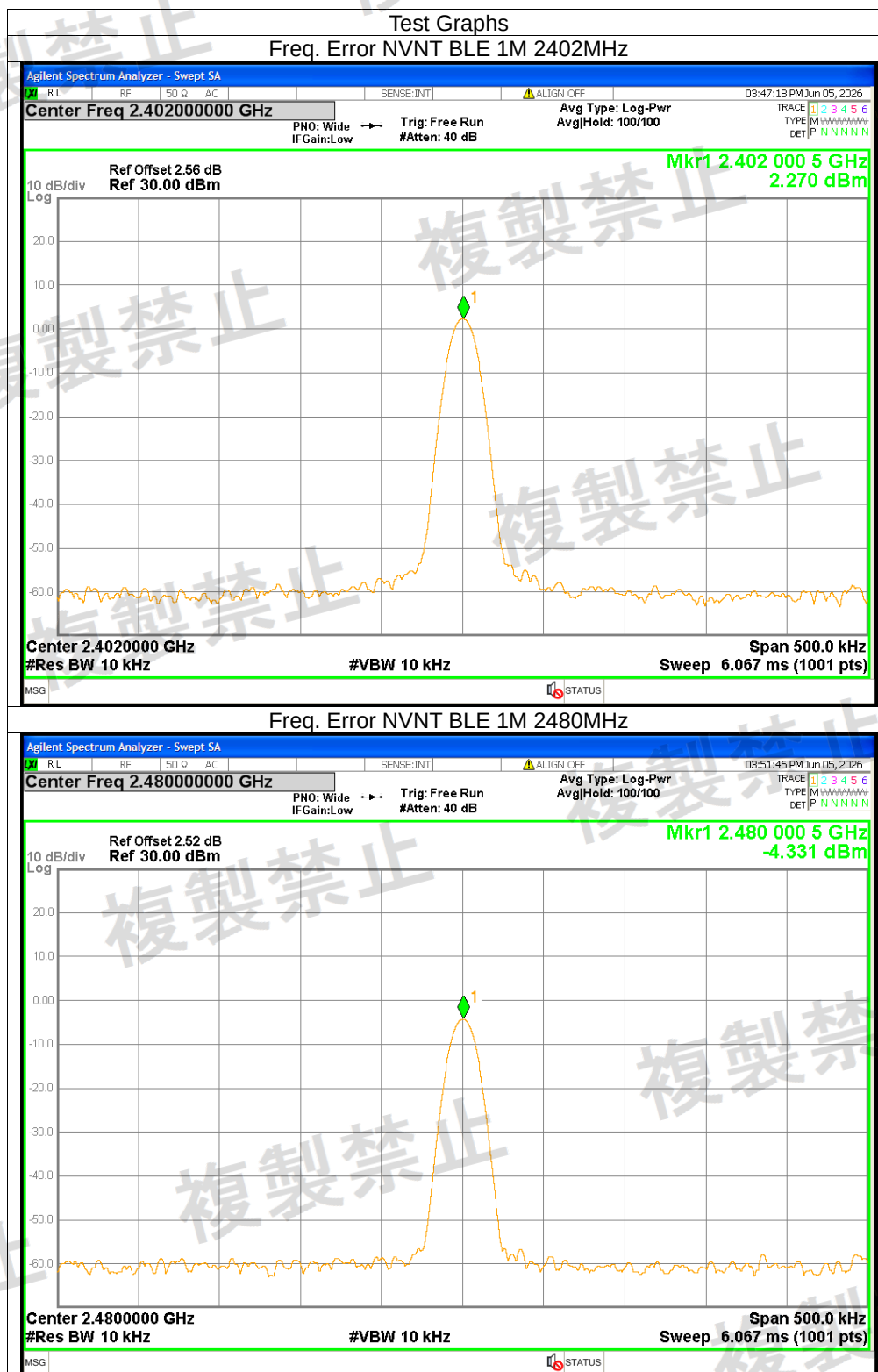
- The EUT state shall be “normal mode link with wireless router”.

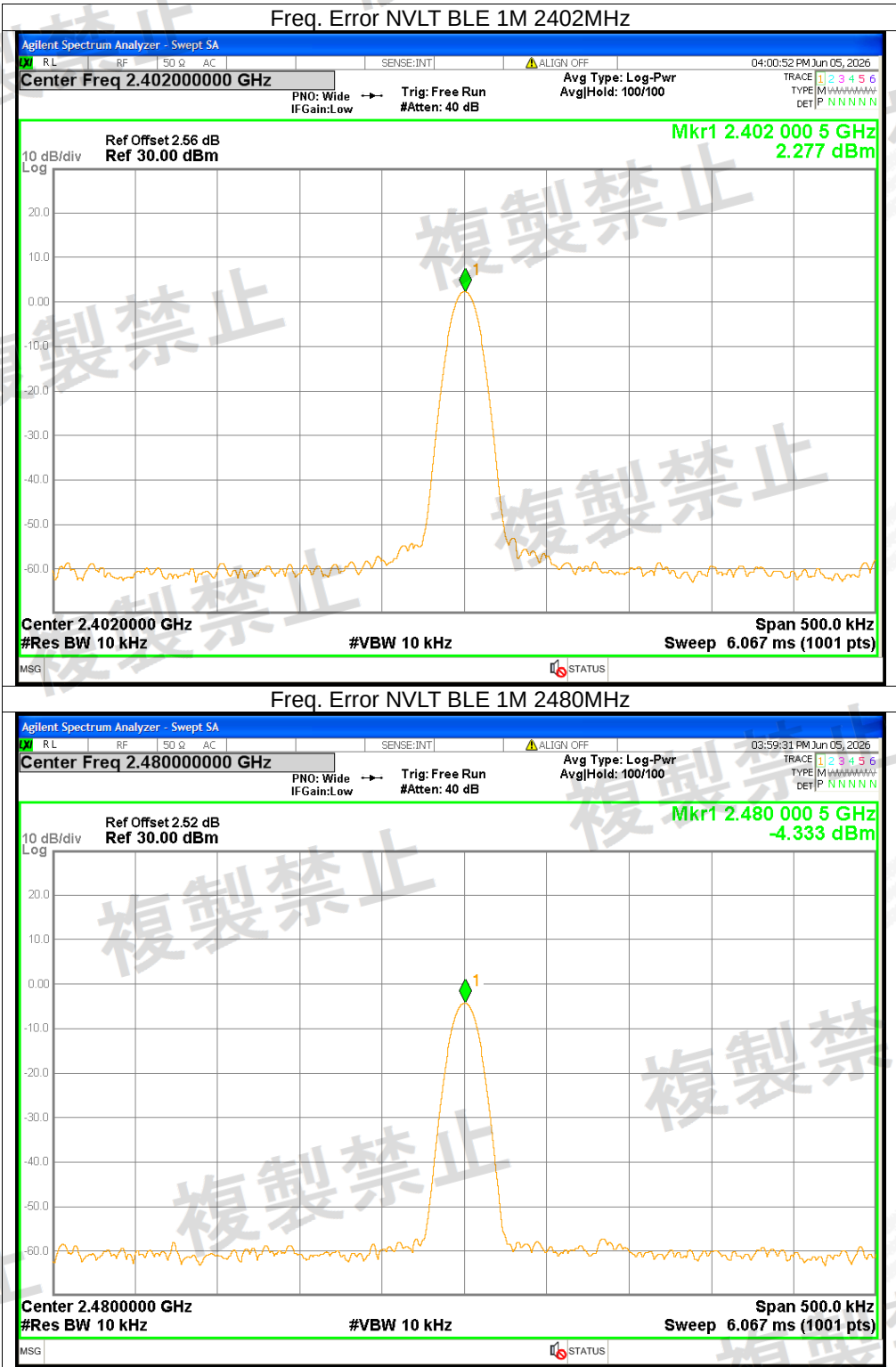
12.4 TEST RESULT

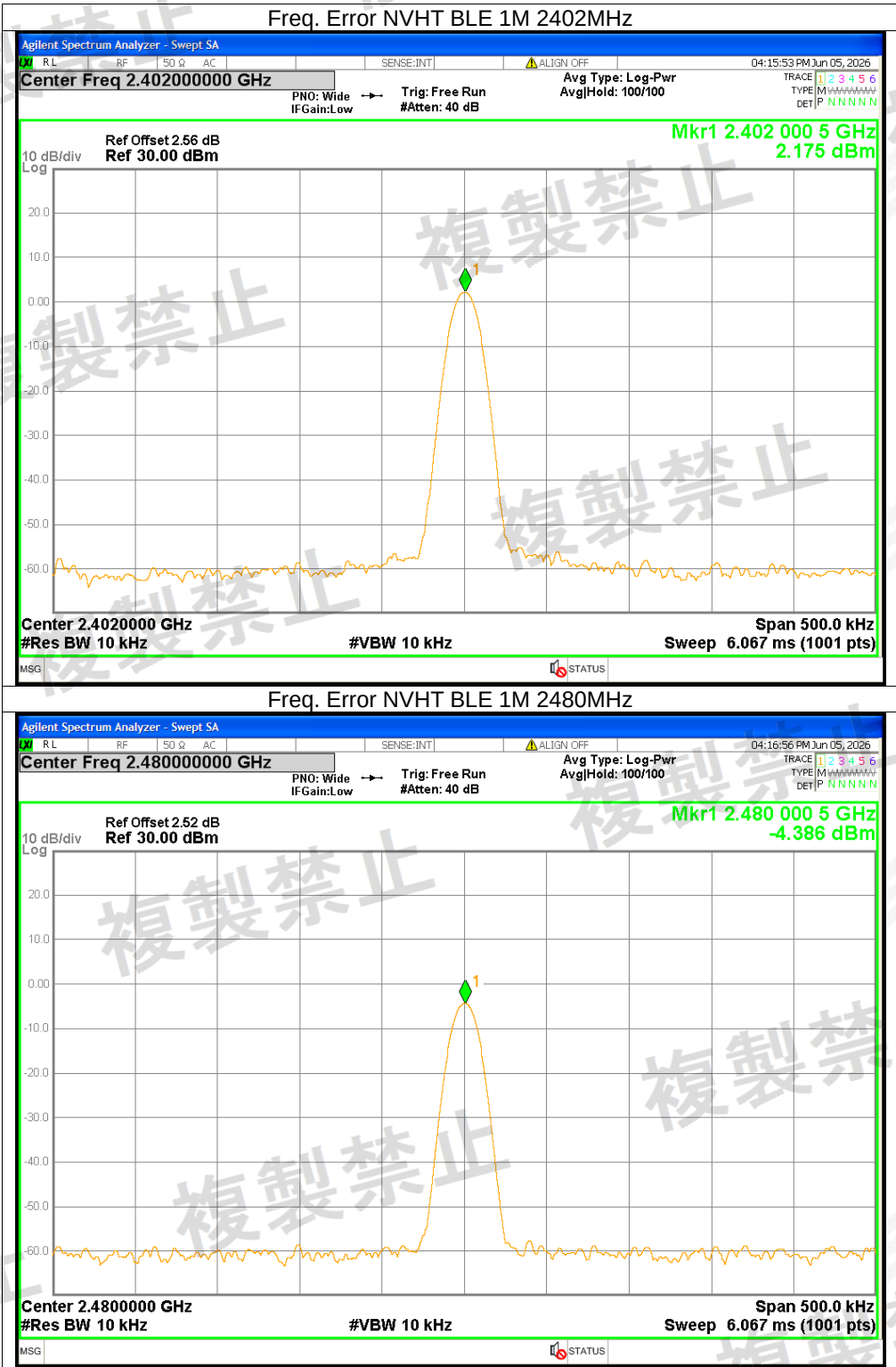
Note: no requirement.

**APPENDIX 1-TEST DATA****Frequency Error**

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 1M	2402	2402.0005	500	0.21	+50	Pass
NVNT	BLE 1M	2480	2480.0005	500	0.2	+50	Pass
NVLT	BLE 1M	2402	2402.0005	500	0.21	+50	Pass
NVLT	BLE 1M	2480	2480.0005	500	0.2	+50	Pass
NVHT	BLE 1M	2402	2402.0005	500	0.21	+50	Pass
NVHT	BLE 1M	2480	2480.0005	500	0.2	+50	Pass









Antenna Power

Condition	Mode	Frequency (MHz)	Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	-4.04	0.394	10	1	-60.6	20	Pass
NVNT	BLE 1M	2480	-4.9	0.324	10	1	-67.6	20	Pass
NVLT	BLE 1M	2402	-4.02	0.396	10	1	-60.4	20	Pass
NVLT	BLE 1M	2480	-4.9	0.324	10	1	-67.6	20	Pass
NVHT	BLE 1M	2402	-4.01	0.397	10	1	-60.3	20	Pass
NVHT	BLE 1M	2480	-4.87	0.326	10	1	-67.4	20	Pass



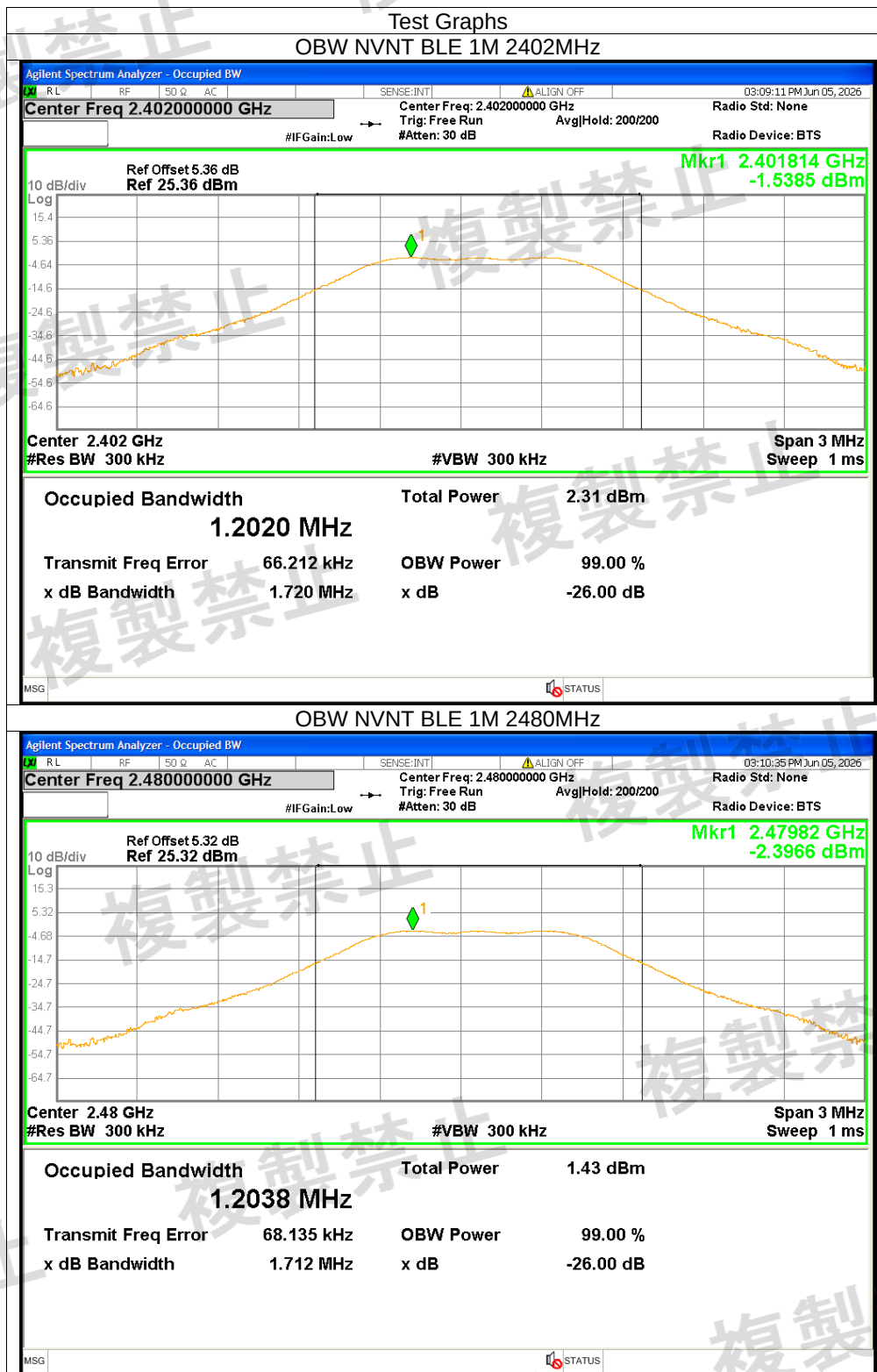
EIRP Power

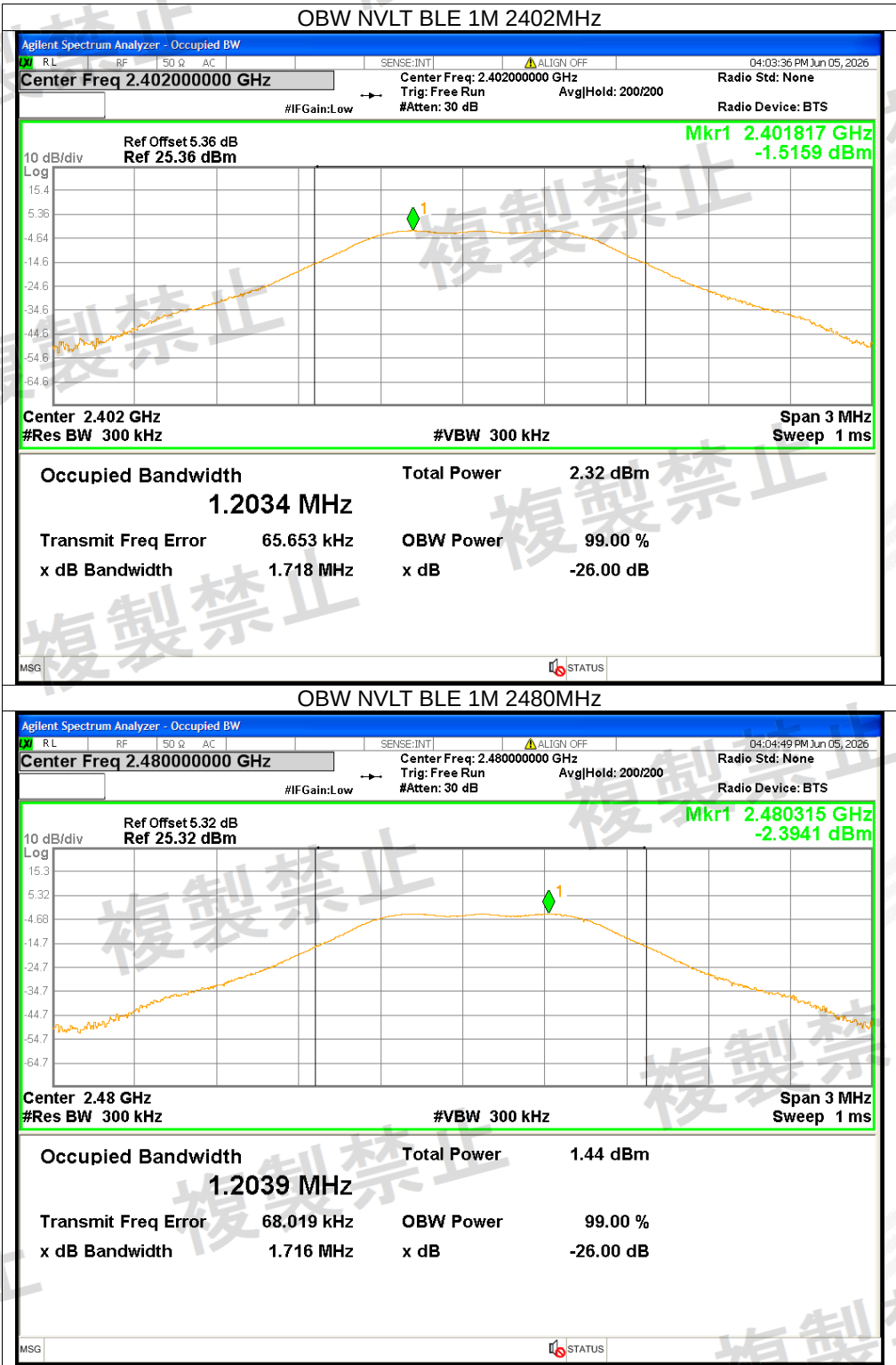
Condition	Mode	Frequency (MHz)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	-4.05	2.8	-1.24	12.14	Pass
NVNT	BLE 1M	2480	-4.89	2.8	-2.1	12.14	Pass
NVLT	BLE 1M	2402	-4.02	2.8	-1.22	12.14	Pass
NVLT	BLE 1M	2480	-4.89	2.8	-2.1	12.14	Pass
NVHT	BLE 1M	2402	-4.01	2.8	-1.21	12.14	Pass
NVHT	BLE 1M	2480	-4.87	2.8	-2.07	12.14	Pass

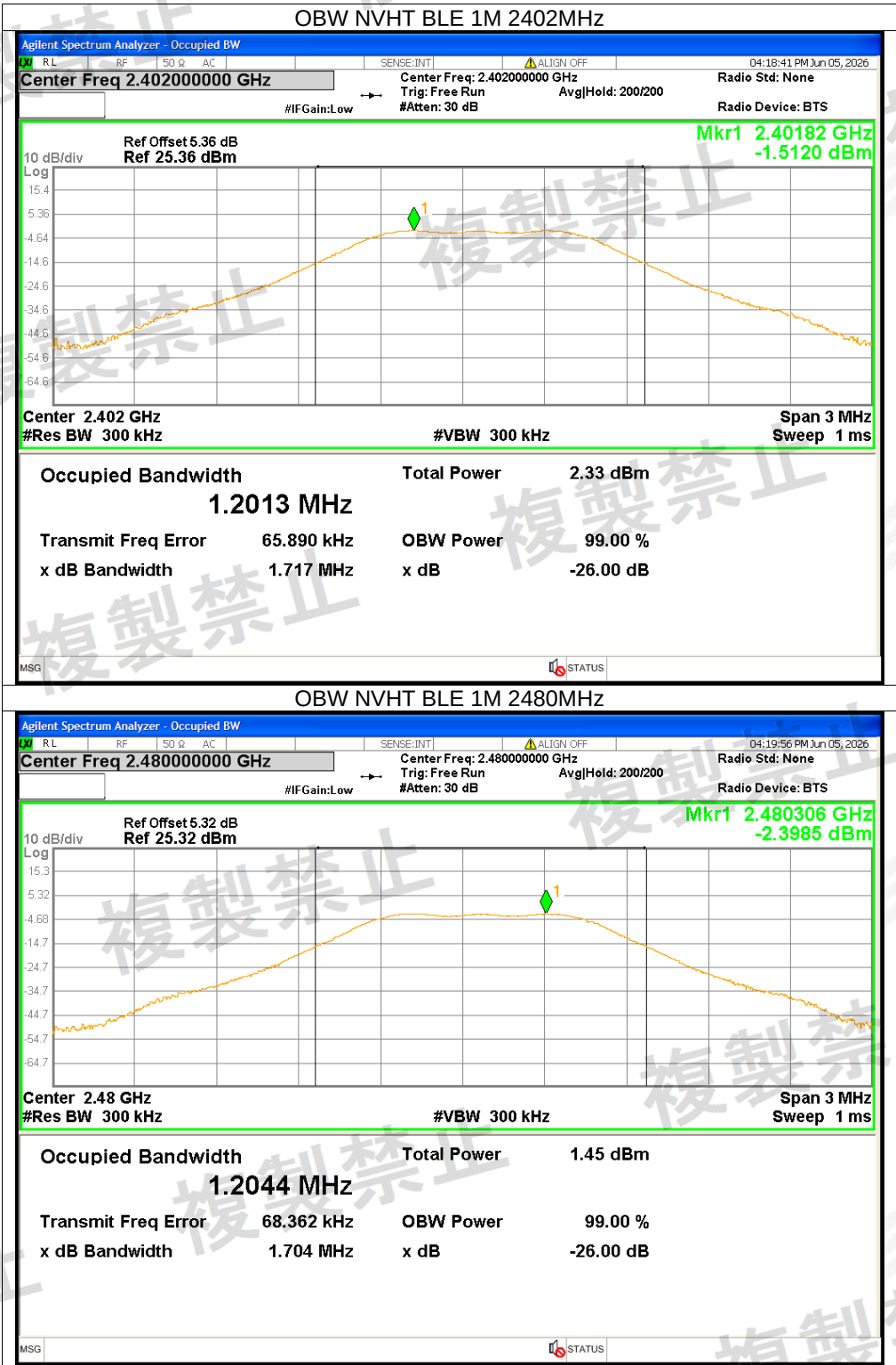


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	BLE 1M	2402	1.202	N/A	26	Pass
NVNT	BLE 1M	2480	1.2038	N/A	26	Pass
NVLT	BLE 1M	2402	1.2034	N/A	26	Pass
NVLT	BLE 1M	2480	1.2039	N/A	26	Pass
NVHT	BLE 1M	2402	1.2013	N/A	26	Pass
NVHT	BLE 1M	2480	1.2044	N/A	26	Pass







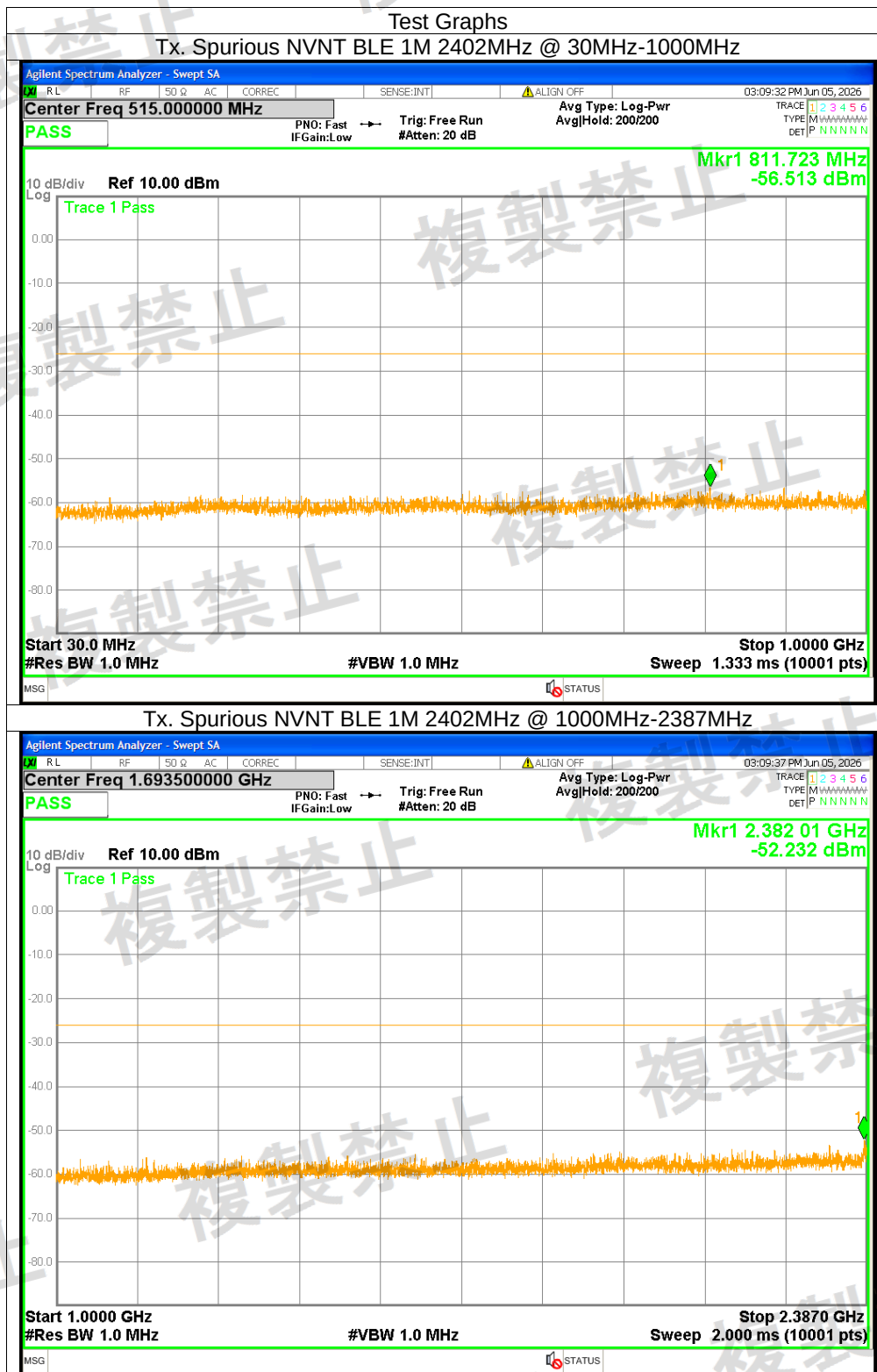


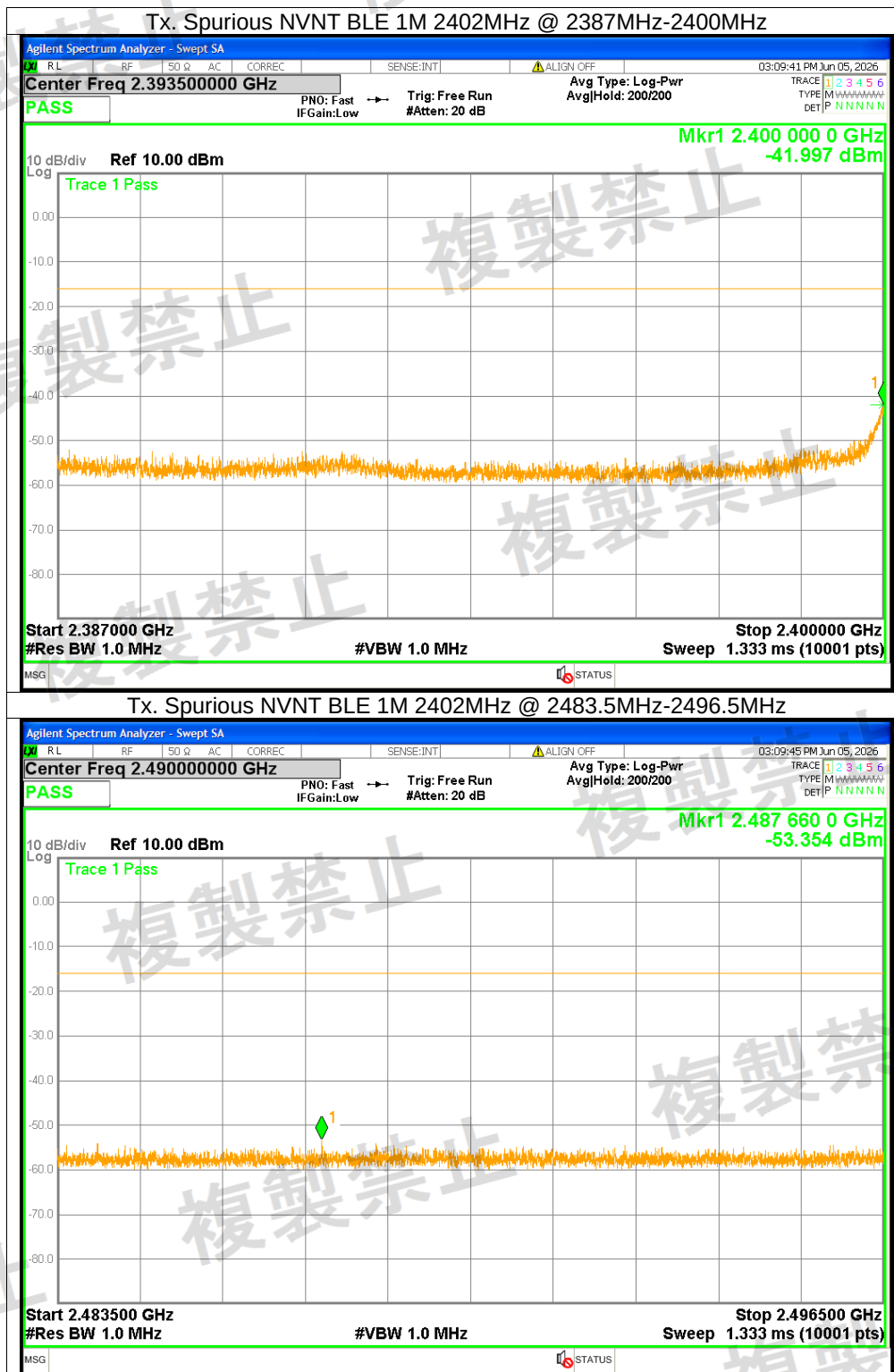
Tx Spurious Emission

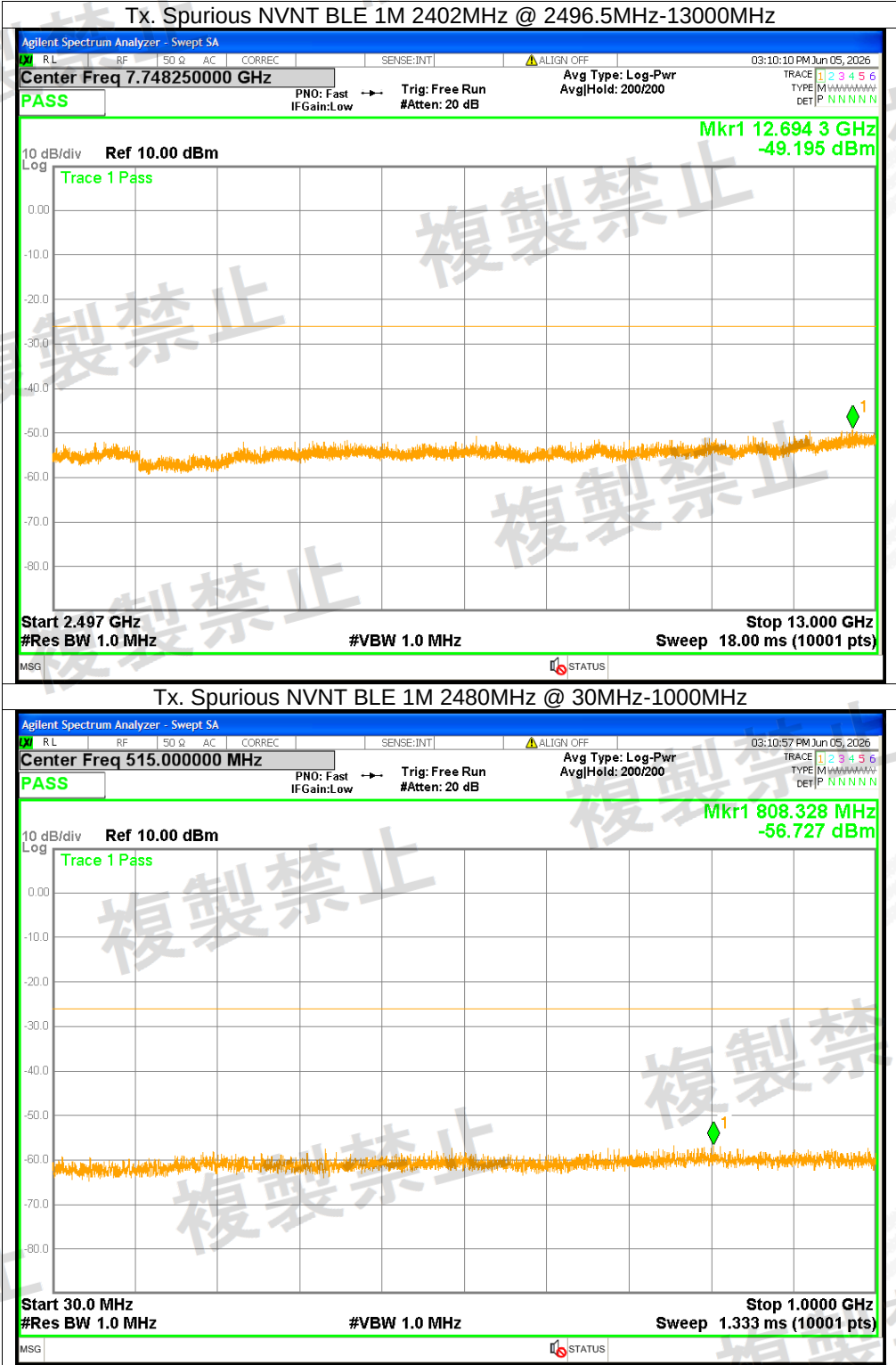
Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Max Value (uW/MHz)	Limit Start(uW/MHz)	Limit Stop (uW/MHz)	Verdict
NVNT	BLE 1M	2402	30-1000	811.72	-56.51	0.0022	2.5	2.5	Pass
NVNT	BLE 1M	2402	1000-2387	2382.01	-52.23	0.006	2.5	2.5	Pass
NVNT	BLE 1M	2402	2387-2400	2400	-42	0.0631	25	25	Pass
NVNT	BLE 1M	2402	2483.5 - 2496.5	2487.66	-53.35	0.0046	25	25	Pass
NVNT	BLE 1M	2402	2496.5 -13000	12694.35	-49.2	0.012	2.5	2.5	Pass
NVNT	BLE 1M	2480	30-1000	808.33	-56.73	0.0021	2.5	2.5	Pass
NVNT	BLE 1M	2480	1000-2387	2244.83	-54.05	0.0039	2.5	2.5	Pass
NVNT	BLE 1M	2480	2387-2400	2396.47	-54.51	0.0035	25	25	Pass
NVNT	BLE 1M	2480	2483.5 - 2496.5	2483.62	-52.9	0.0051	25	25	Pass
NVNT	BLE 1M	2480	2496.5 -13000	12312.02	-49.8	0.0105	2.5	2.5	Pass
NVLT	BLE 1M	2402	30-1000	867.01	-56.66	0.0022	2.5	2.5	Pass
NVLT	BLE 1M	2402	1000-2387	2386.45	-51.25	0.0075	2.5	2.5	Pass
NVLT	BLE 1M	2402	2387-2400	2399.99	-41.77	0.0665	25	25	Pass
NVLT	BLE 1M	2402	2483.5 - 2496.5	2492.64	-53.3	0.0047	25	25	Pass
NVLT	BLE 1M	2402	2496.5 -13000	12837.2	-49.62	0.0109	2.5	2.5	Pass
NVLT	BLE 1M	2480	30-1000	982.25	-56.24	0.0024	2.5	2.5	Pass
NVLT	BLE 1M	2480	1000-2387	2339.01	-53.58	0.0044	2.5	2.5	Pass
NVLT	BLE 1M	2480	2387-2400	2390.72	-53.91	0.0041	25	25	Pass
NVLT	BLE 1M	2480	2483.5 - 2496.5	2495.42	-52.92	0.0051	25	25	Pass
NVLT	BLE 1M	2480	2496.5 -13000	12676.49	-48.77	0.0133	2.5	2.5	Pass
NVHT	BLE 1M	2402	30-1000	780.49	-56.19	0.0024	2.5	2.5	Pass
NVHT	BLE 1M	2402	1000-2387	2381.87	-51.11	0.0077	2.5	2.5	Pass
NVHT	BLE 1M	2402	2387-2400	2399.99	-41.06	0.0783	25	25	Pass
NVHT	BLE 1M	2402	2483.5 - 2496.5	2492.27	-54.13	0.0039	25	25	Pass
NVHT	BLE 1M	2402	2496.5 -13000	12872.91	-49.16	0.0121	2.5	2.5	Pass
NVHT	BLE 1M	2480	30-1000	862.36	-56.83	0.0021	2.5	2.5	Pass
NVHT	BLE 1M	2480	1000-2387	2336.24	-53.11	0.0049	2.5	2.5	Pass
NVHT	BLE	2480	2387-	2395.48	-52.58	0.0055	25	25	Pass

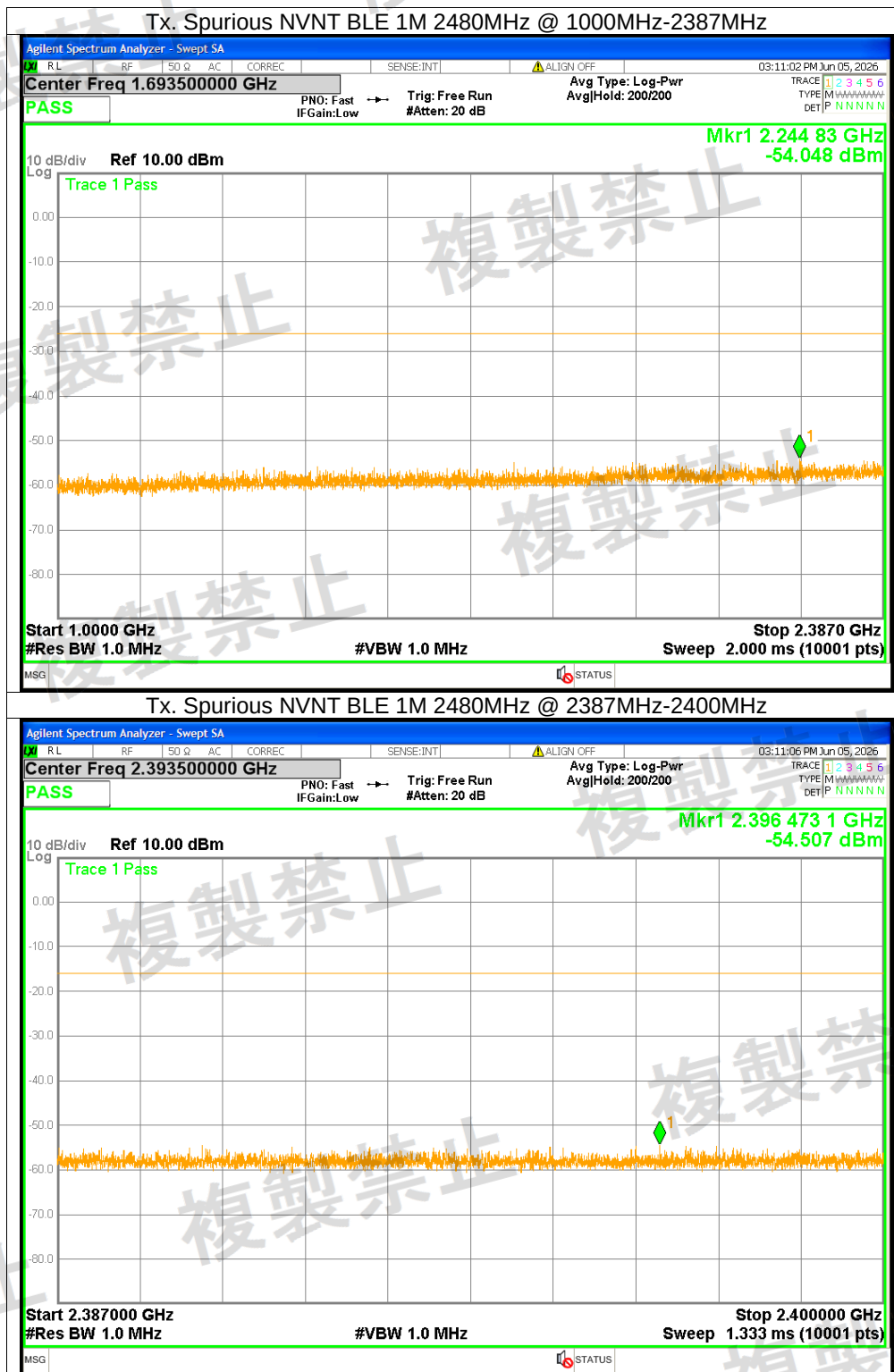


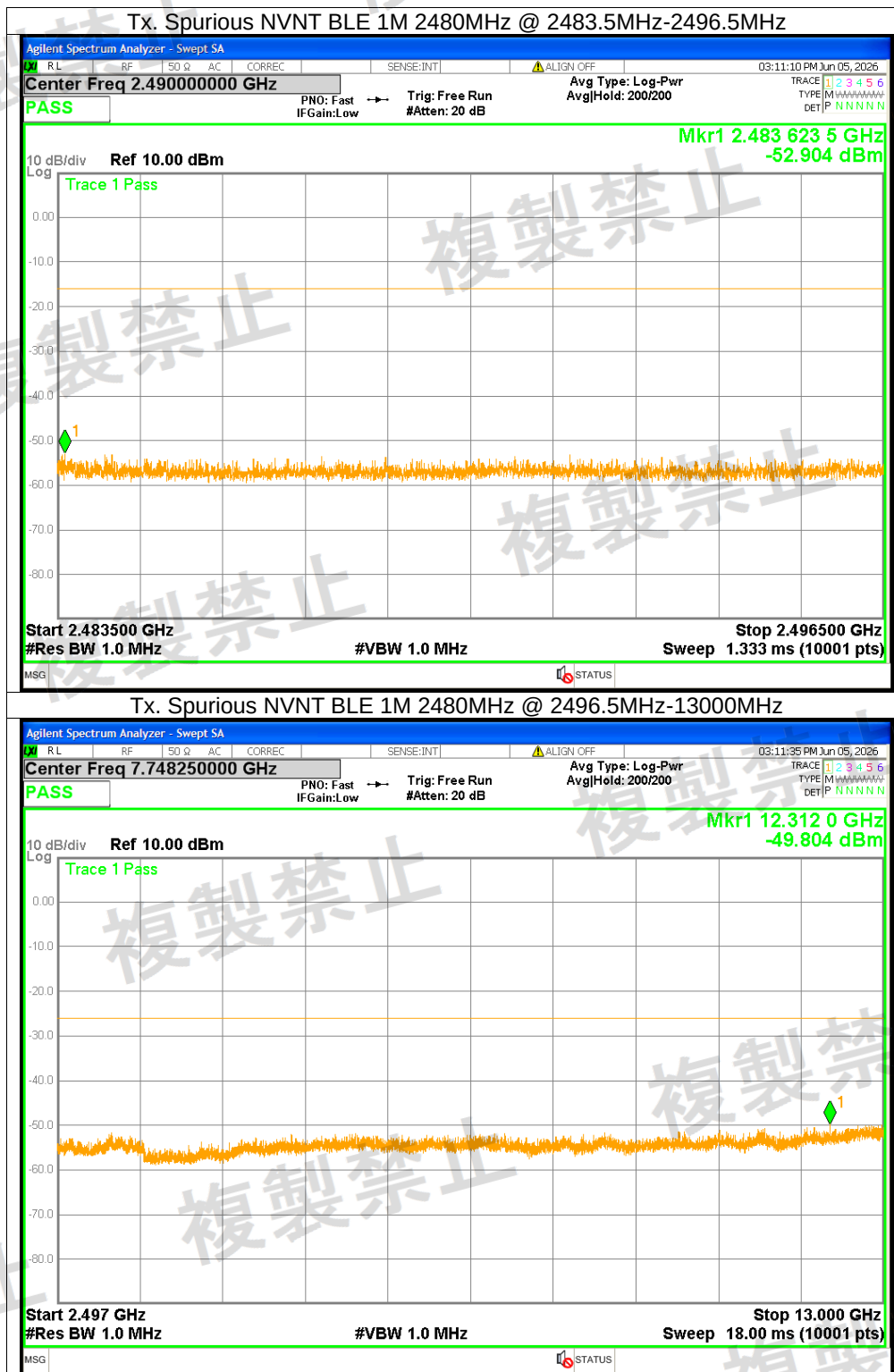
	1M		2400						
NVHT	BLE	2480	2483.5	2483.69	-51.75	0.0067	25	25	Pass
	1M		-						
			2496.5						
NVHT	BLE	2480	2496.5	12456.97	-49.71	0.0107	2.5	2.5	Pass
	1M		-13000						

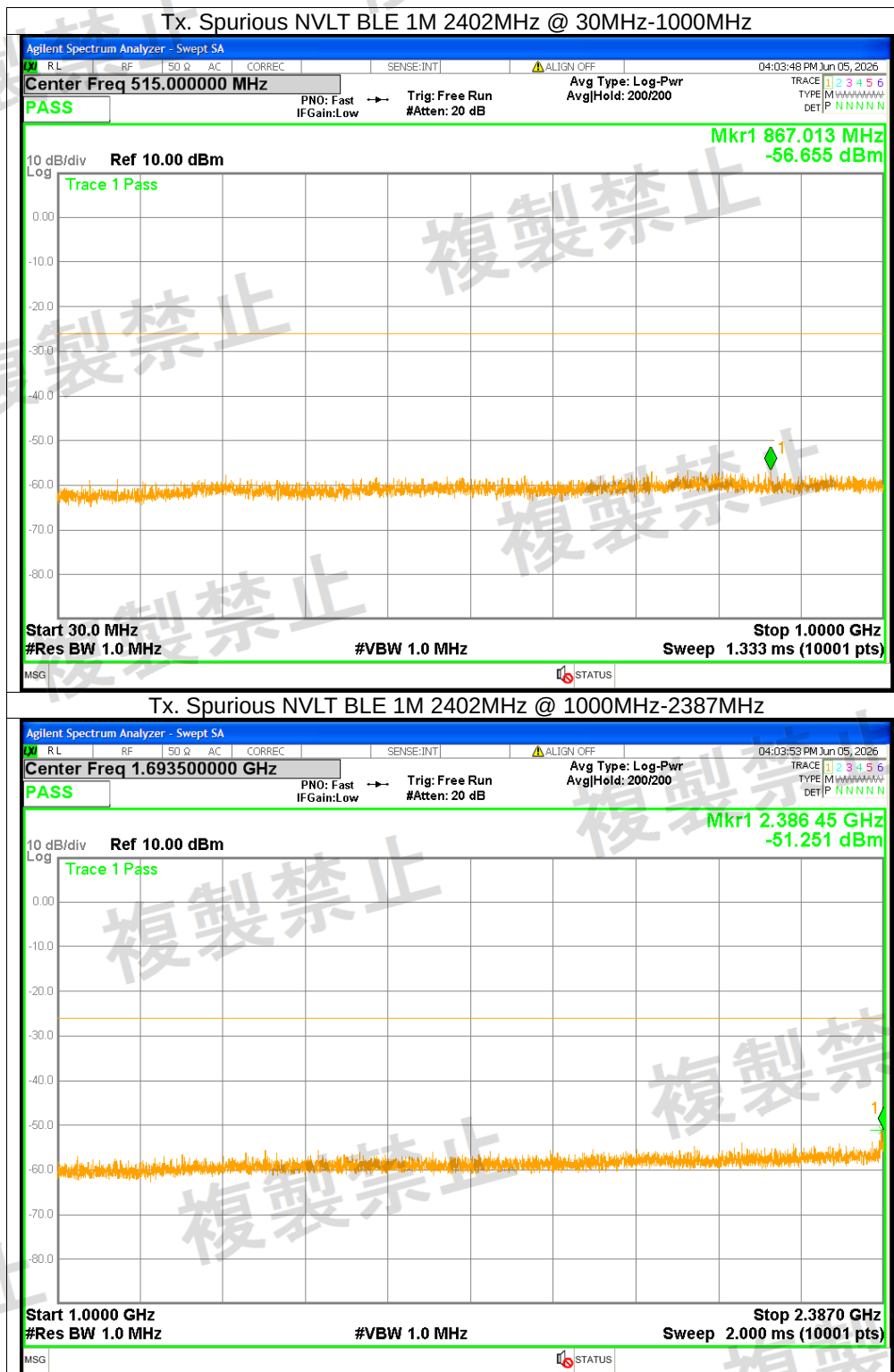


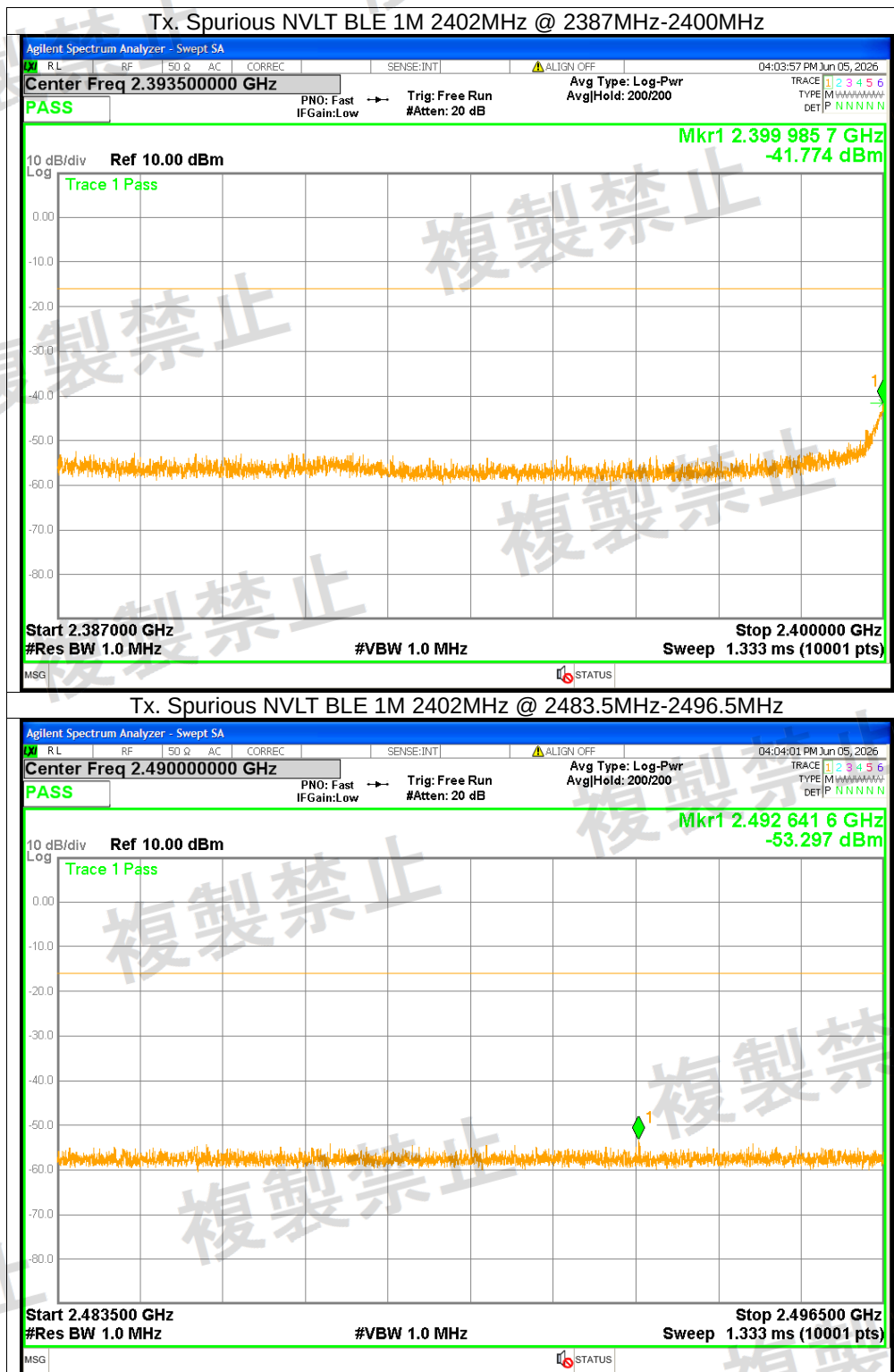


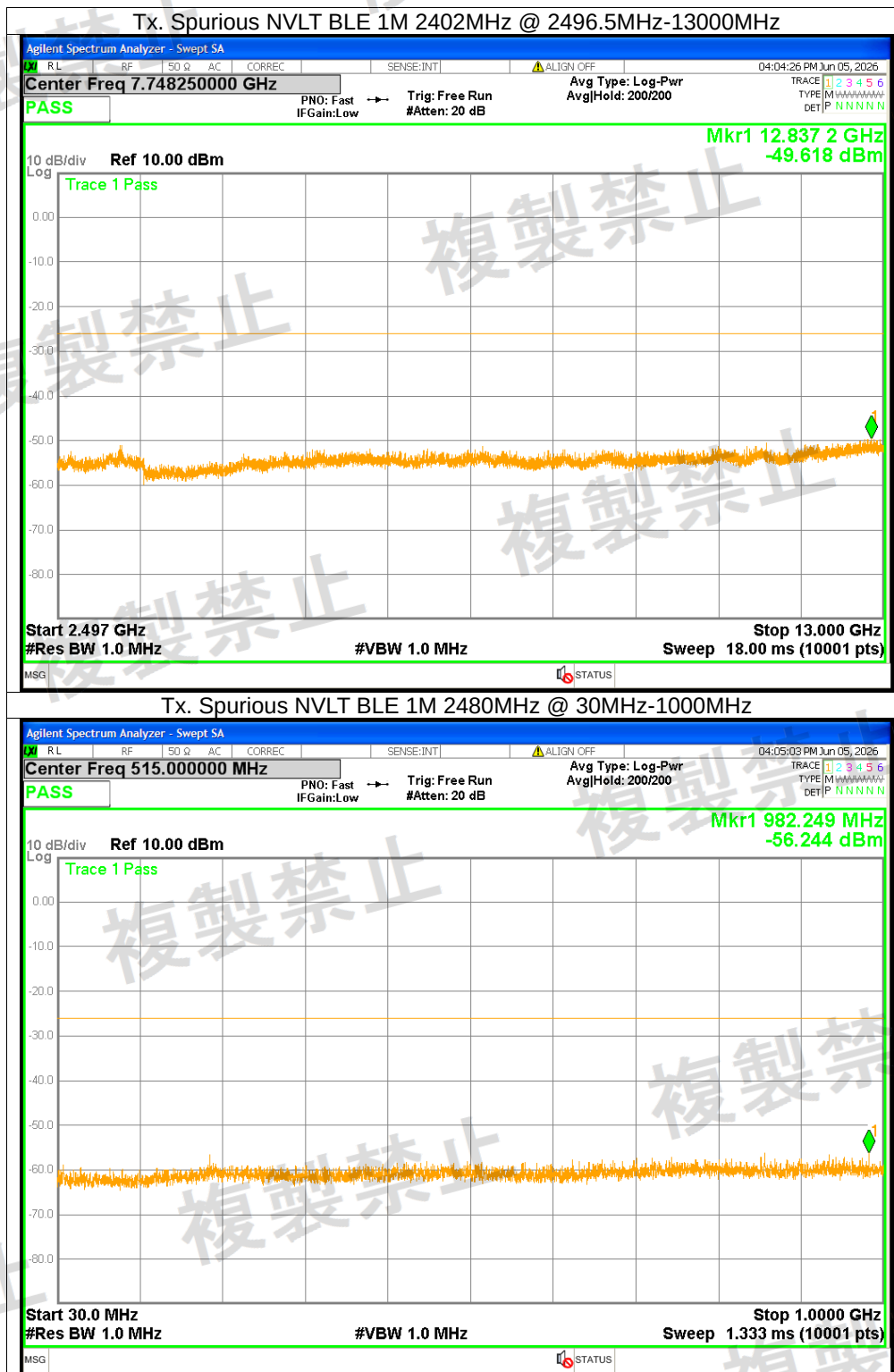


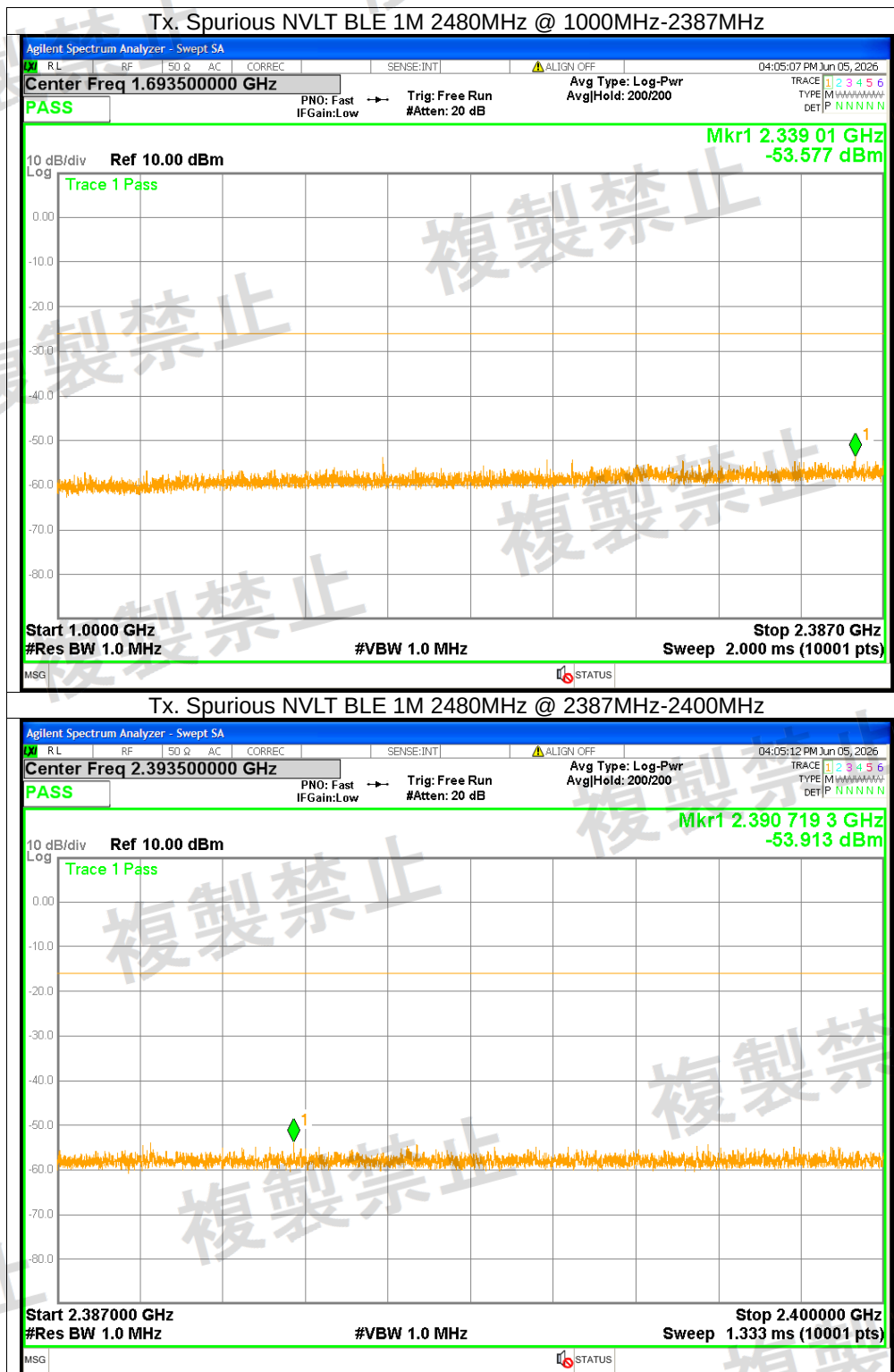


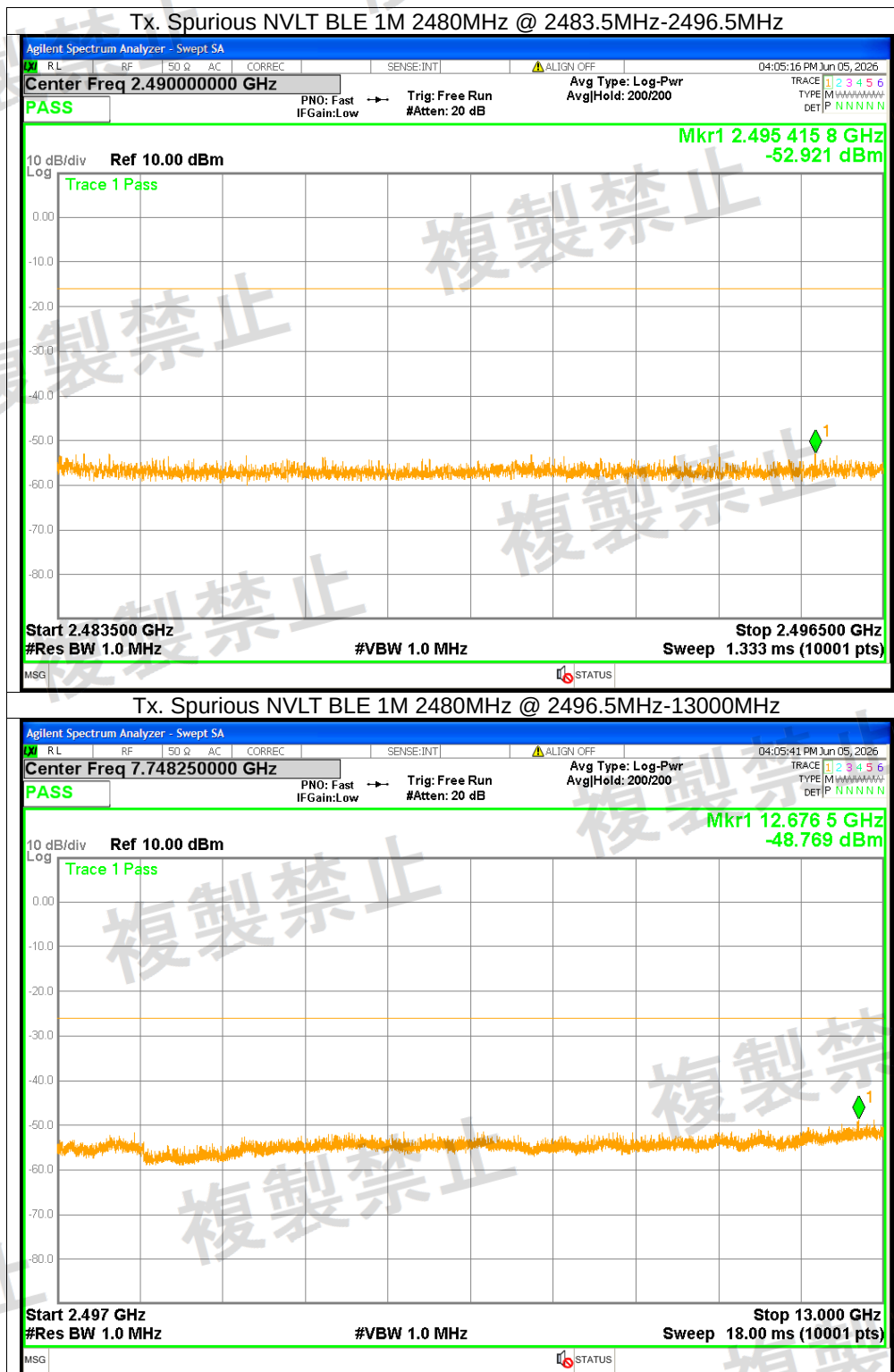


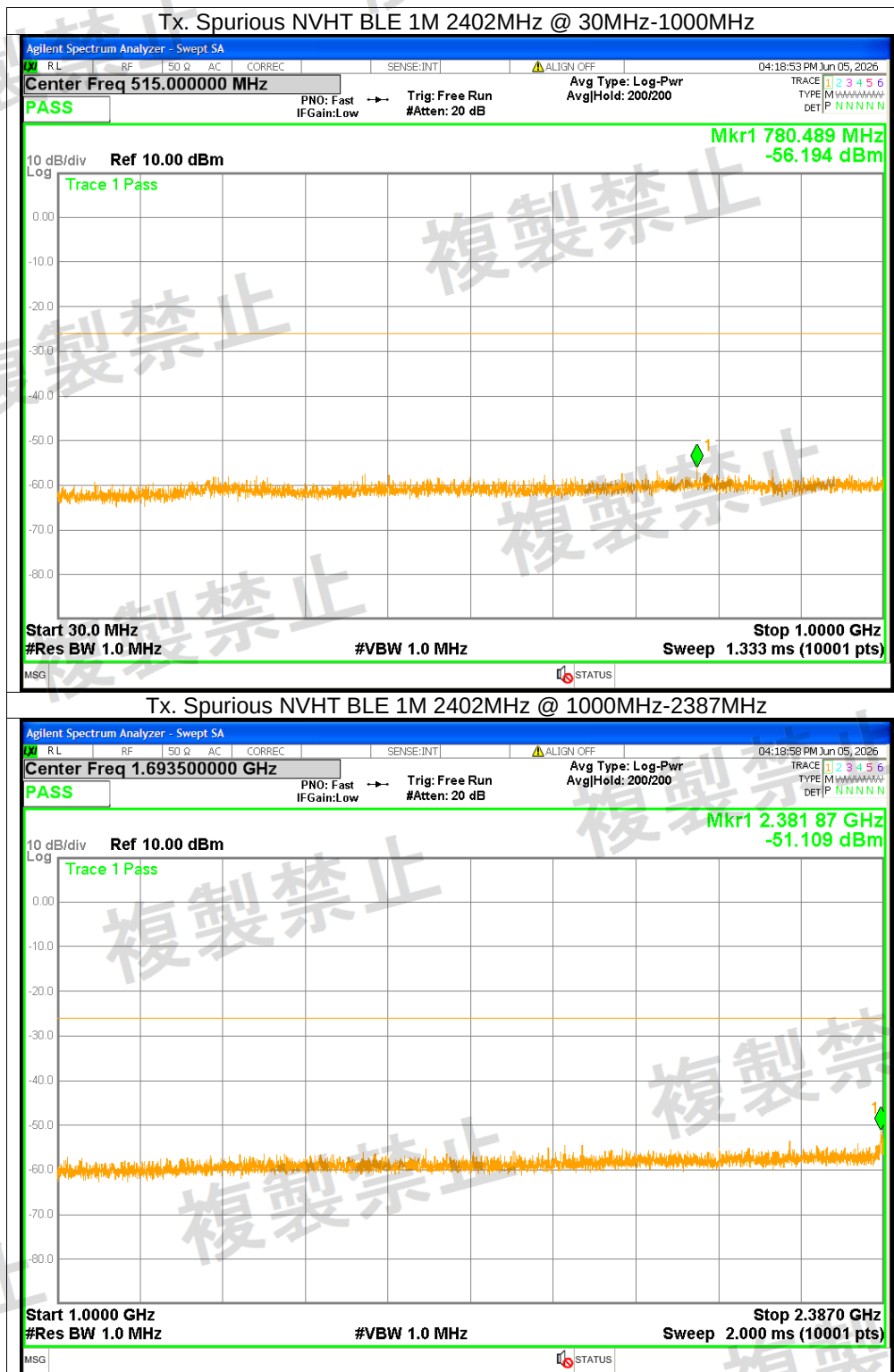


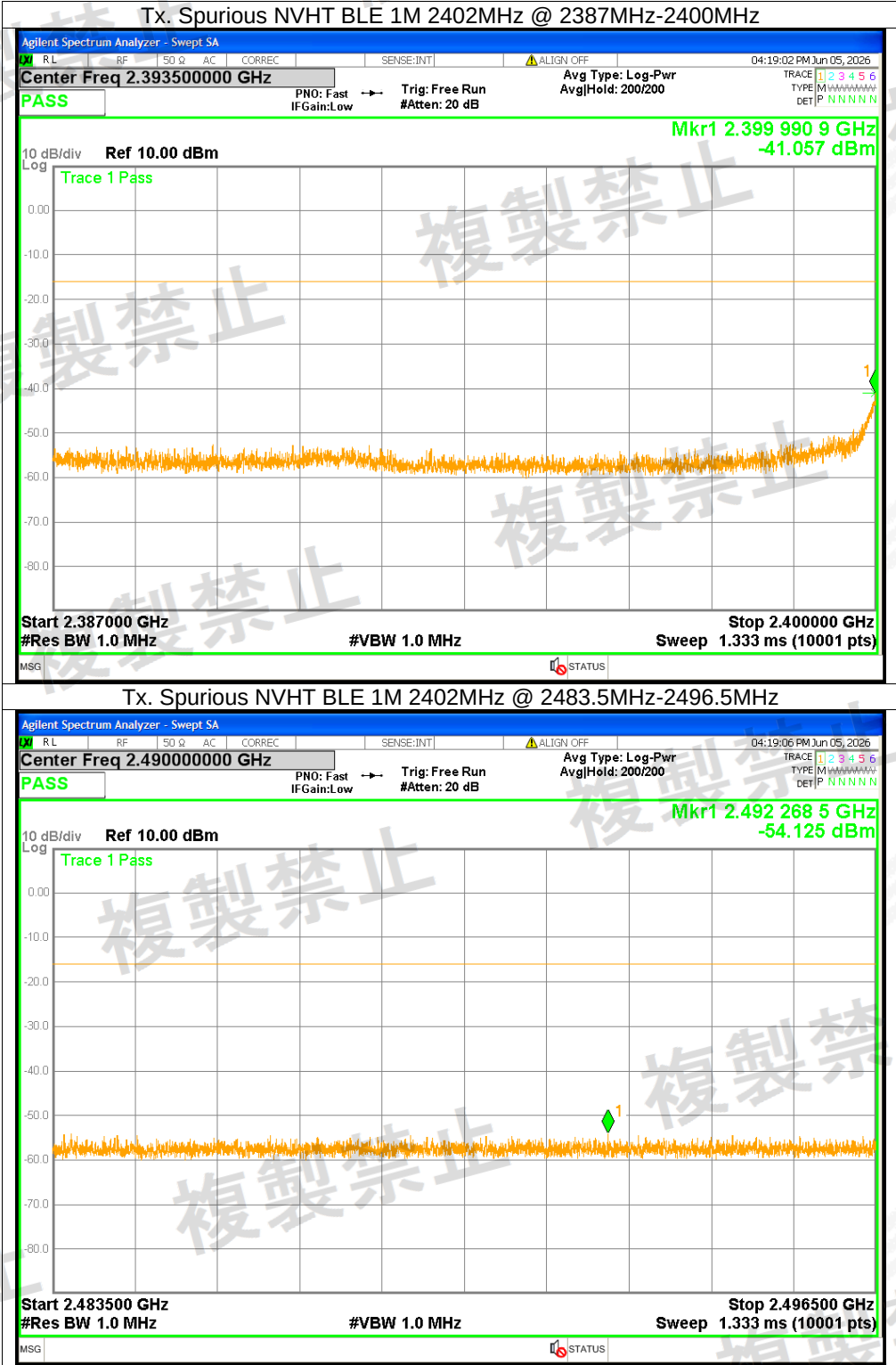


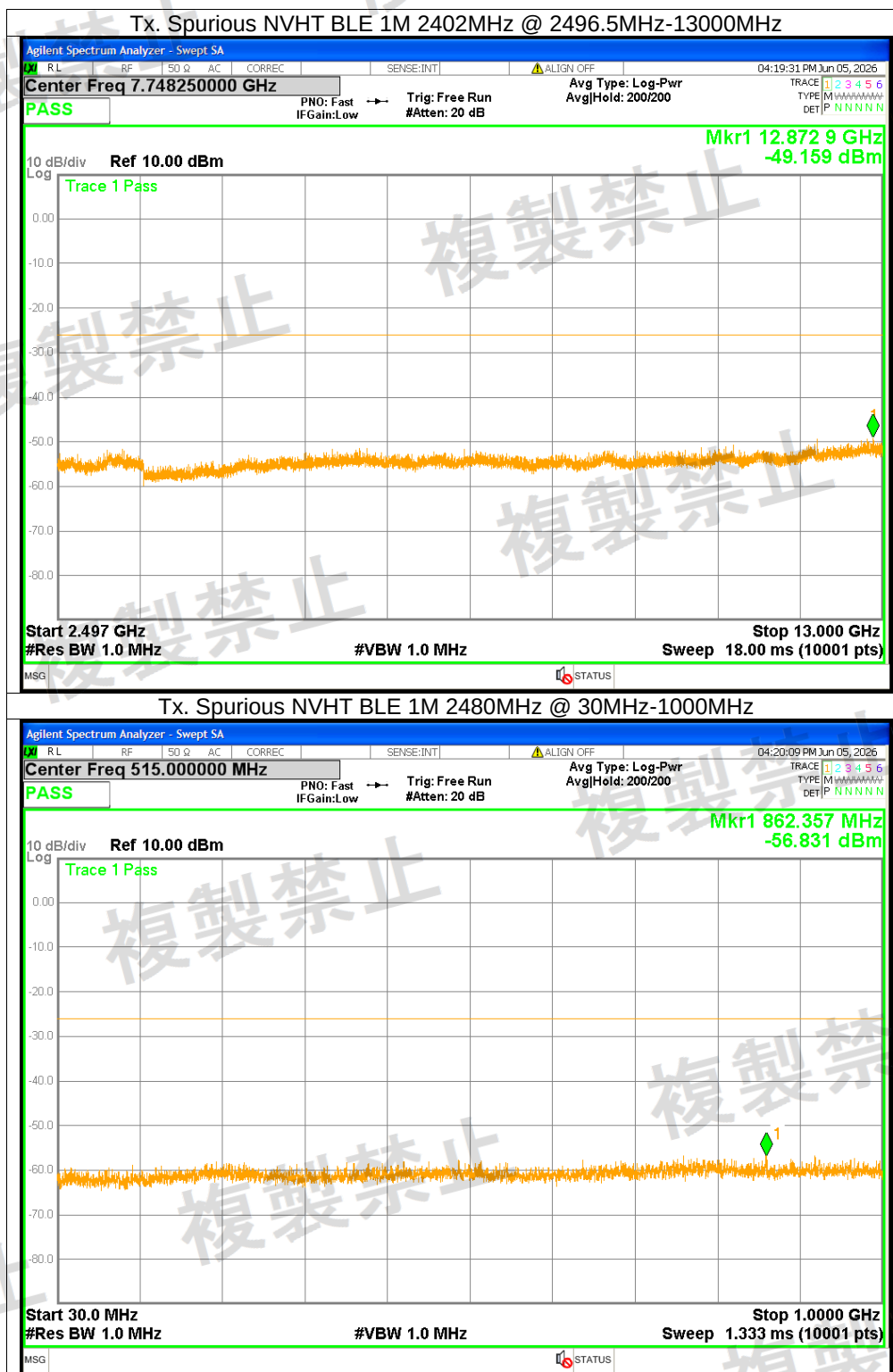


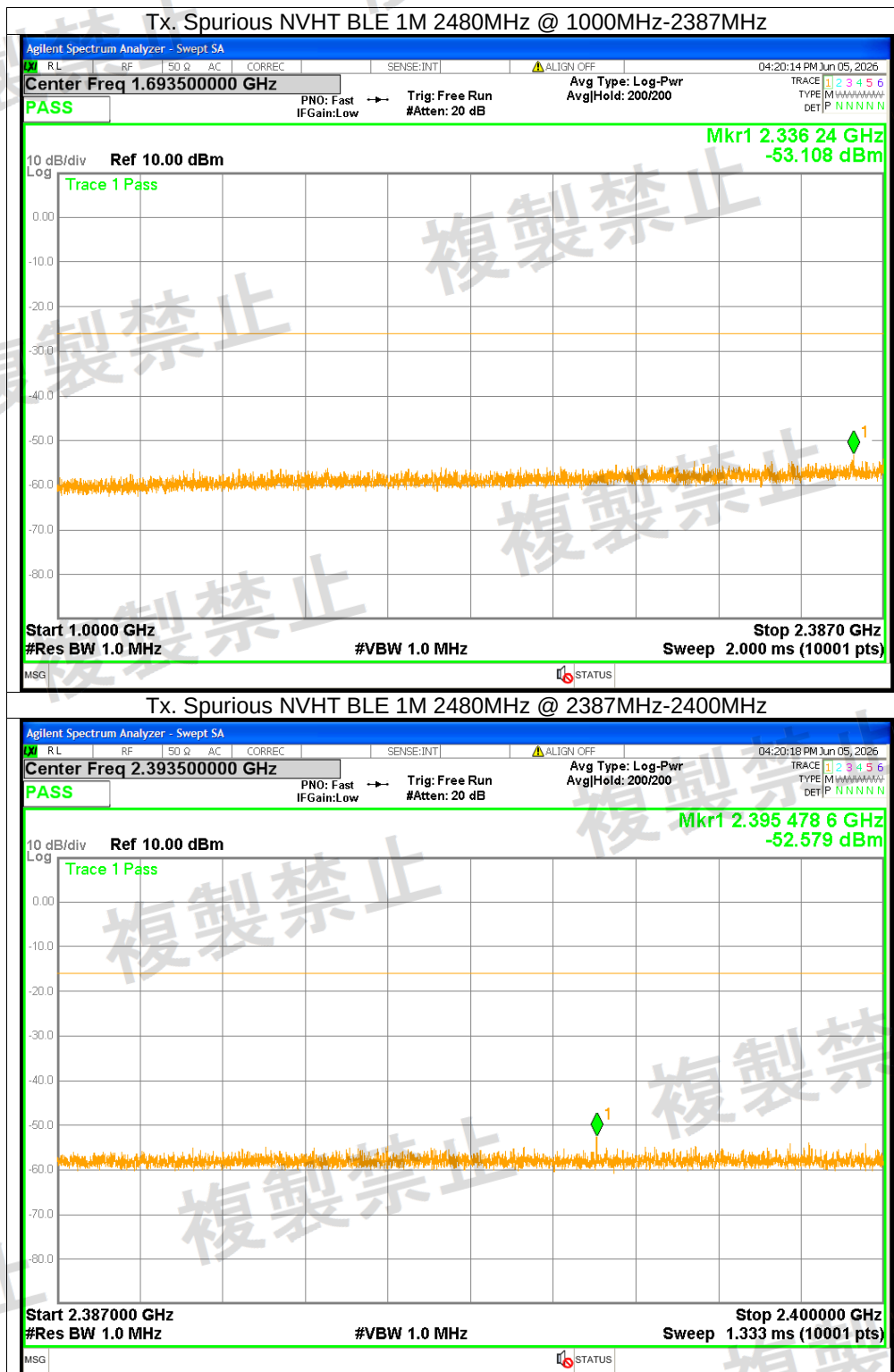


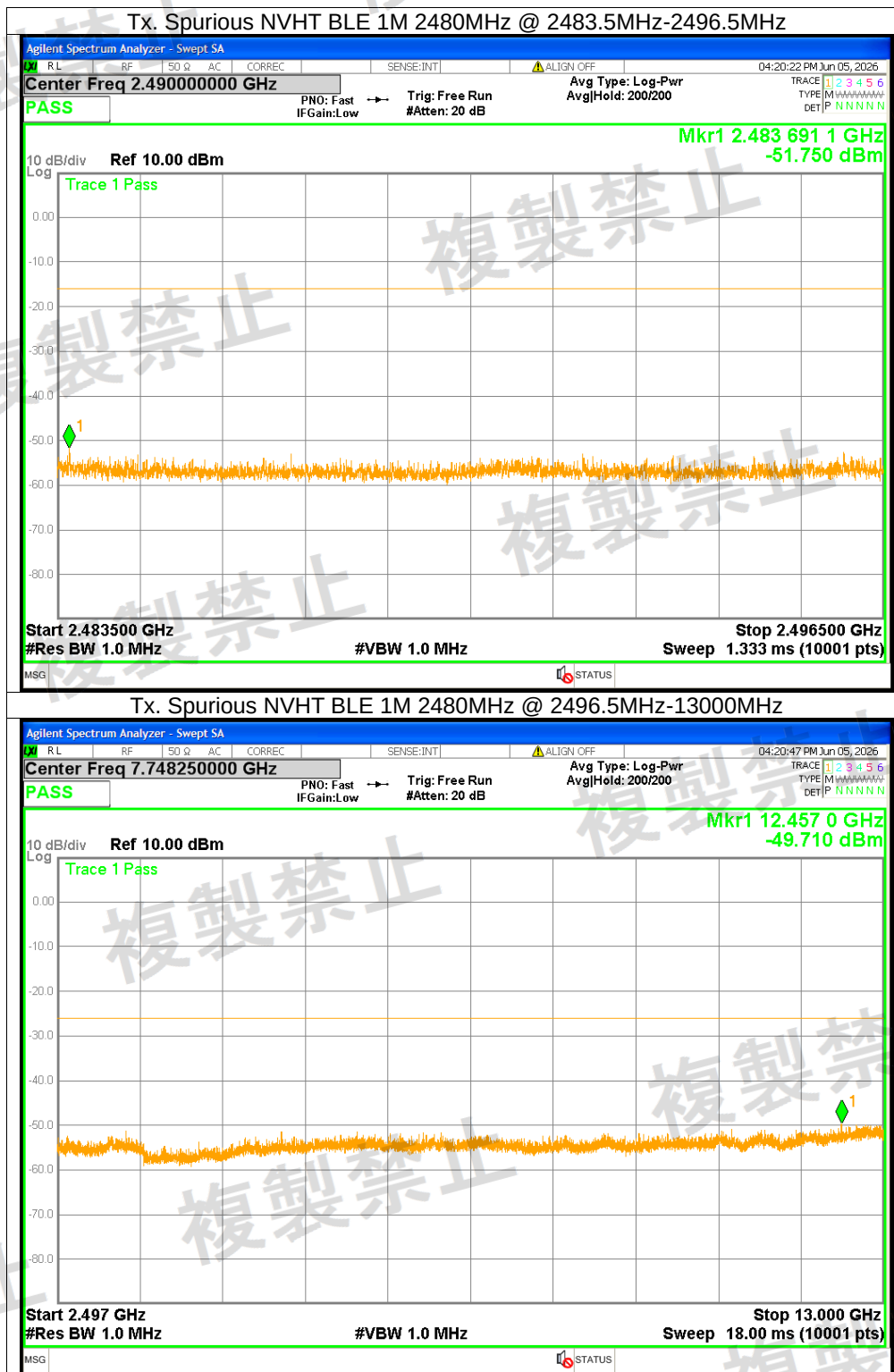














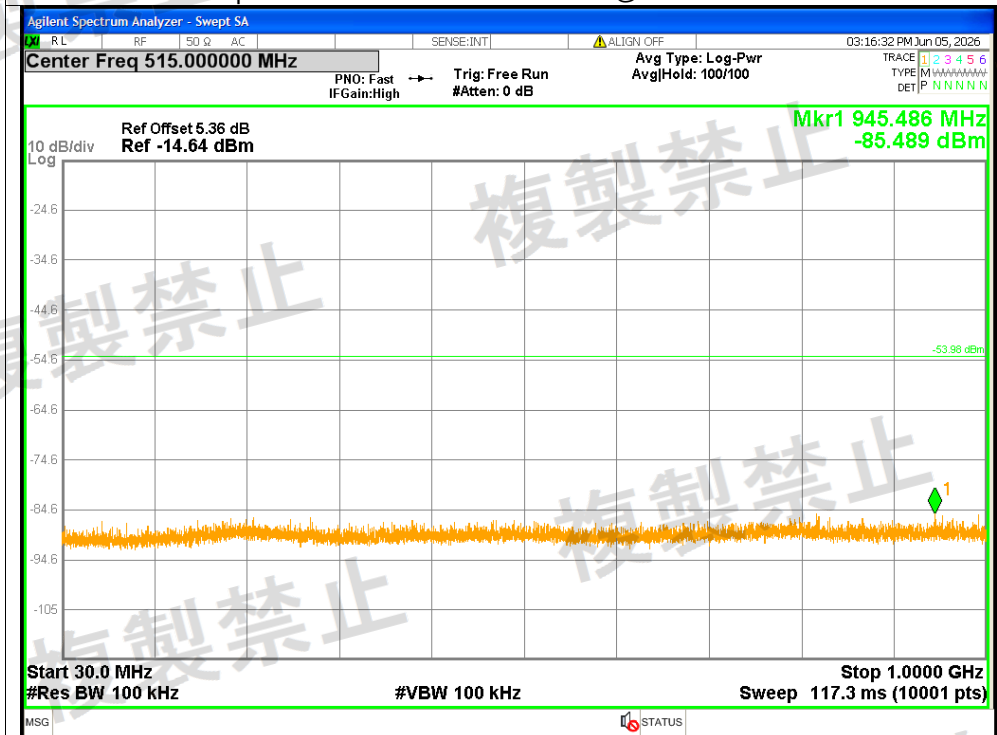
Rx Spurious Emission

Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	30-1000	945.49	-85.49	0.0028	4	Pass
NVNT	BLE 1M	2402	1000-13000	12600.4	-72.62	0.0547	20	Pass
NVNT	BLE 1M	2480	30-1000	693.09	-86.07	0.0025	4	Pass
NVNT	BLE 1M	2480	1000-13000	12985.6	-72.48	0.0565	20	Pass
NVLT	BLE 1M	2402	30-1000	219.44	-85.41	0.0029	4	Pass
NVLT	BLE 1M	2402	1000-13000	12725.2	-72.44	0.057	20	Pass
NVLT	BLE 1M	2480	30-1000	879.33	-85.87	0.0026	4	Pass
NVLT	BLE 1M	2480	1000-13000	3260.8	-72.85	0.0519	20	Pass
NVHT	BLE 1M	2402	30-1000	940.54	-85.74	0.0027	4	Pass
NVHT	BLE 1M	2402	1000-13000	3173.2	-72.62	0.0547	20	Pass
NVHT	BLE 1M	2480	30-1000	794.46	-84.81	0.0033	4	Pass
NVHT	BLE 1M	2480	1000-13000	3128.8	-71.91	0.0644	20	Pass

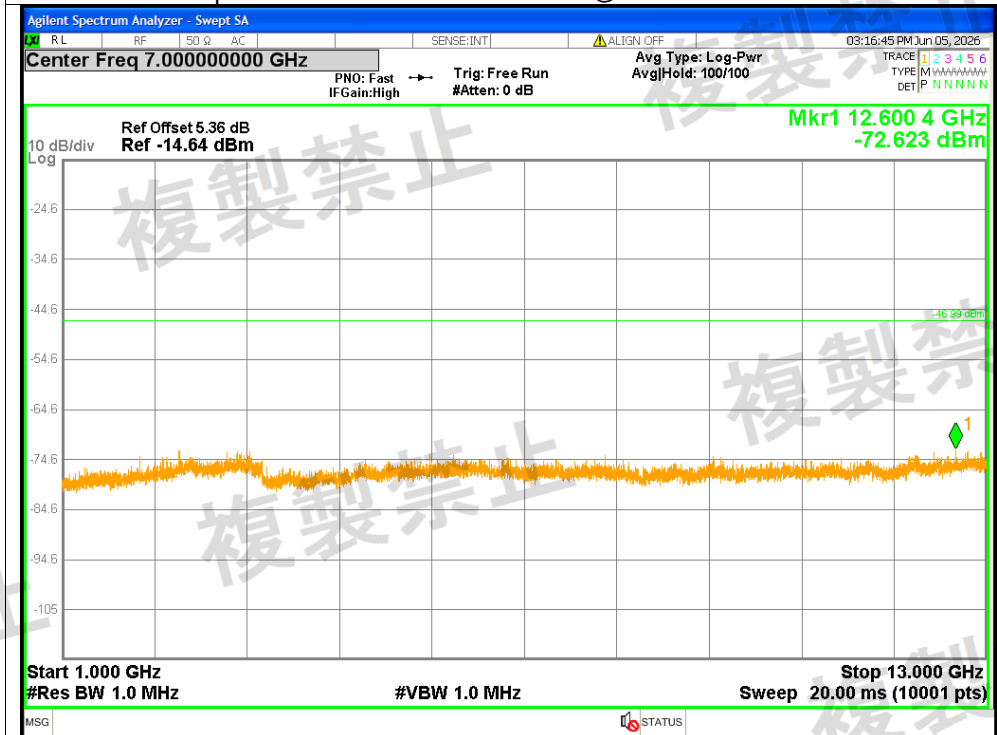


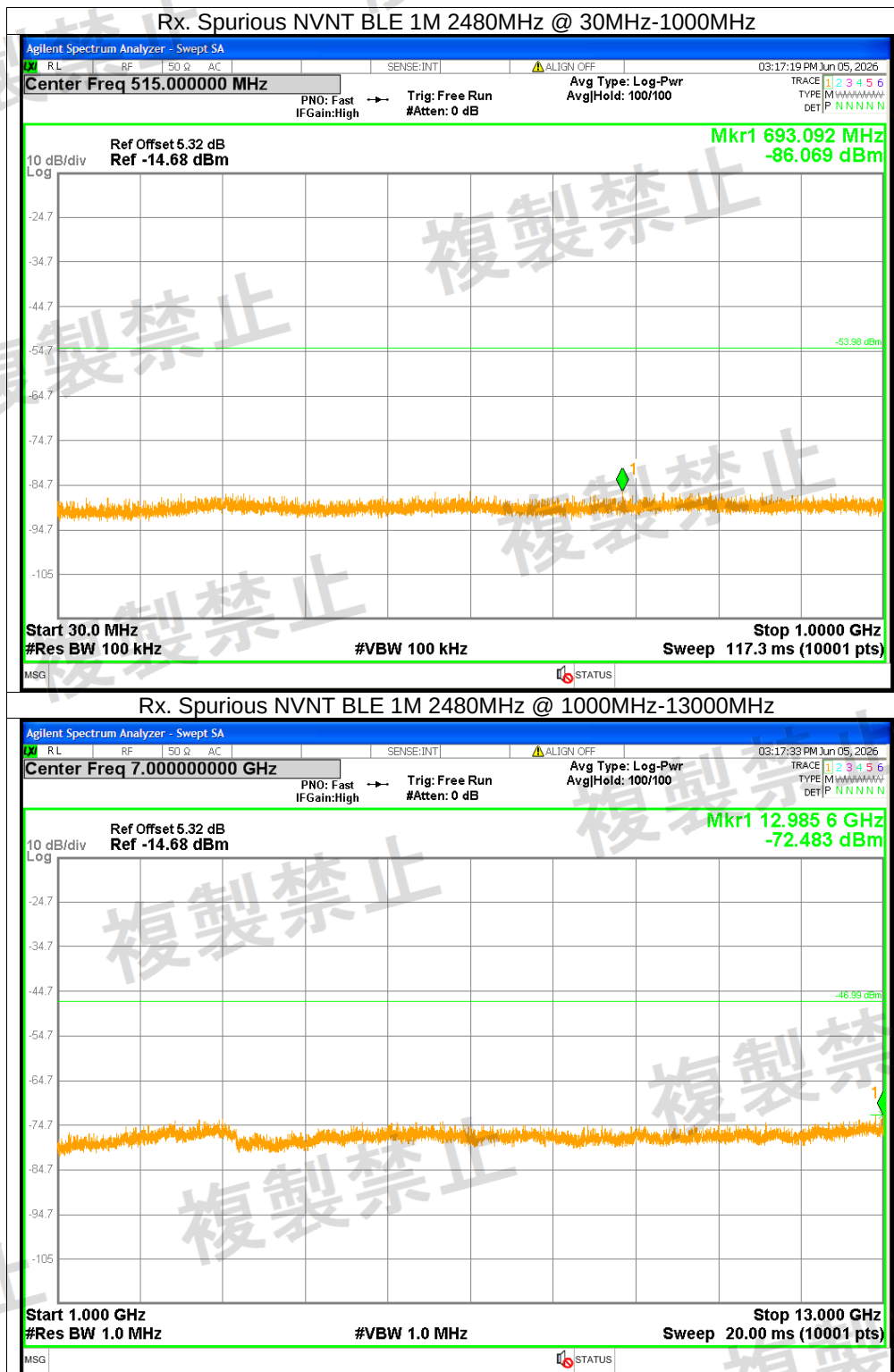
Test Graphs

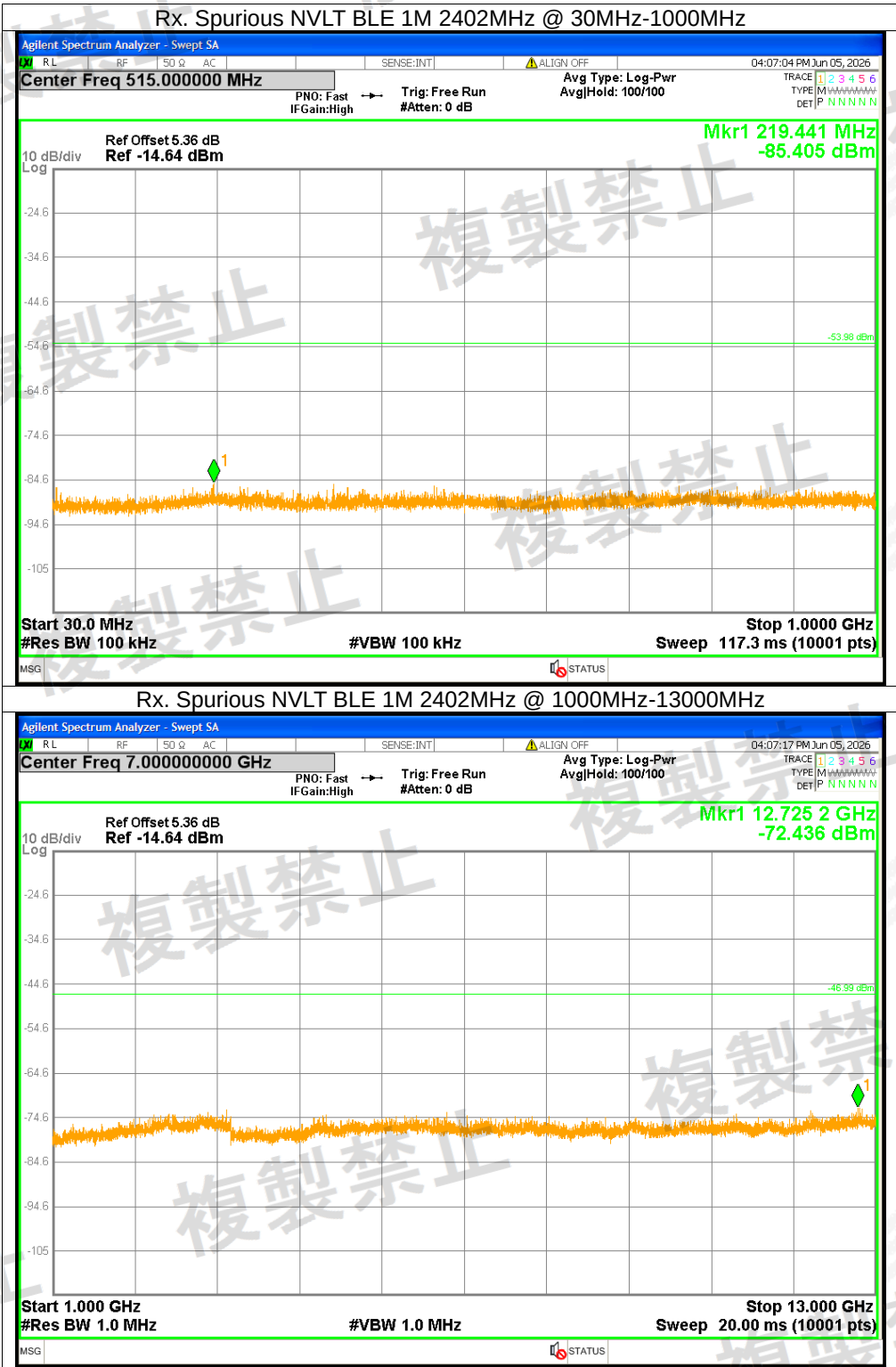
Rx. Spurious NVNT BLE 1M 2402MHz @ 30MHz-1000MHz

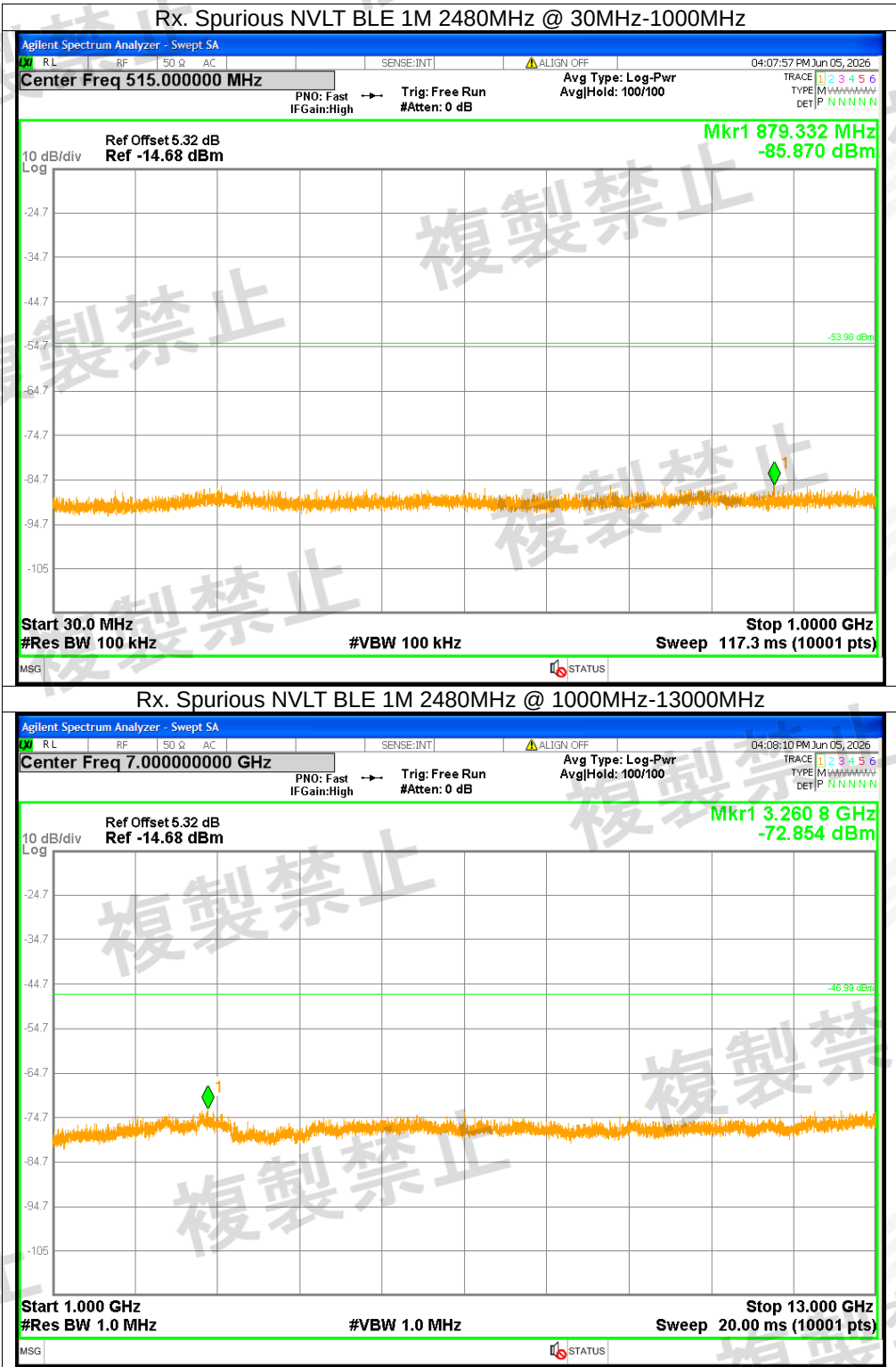


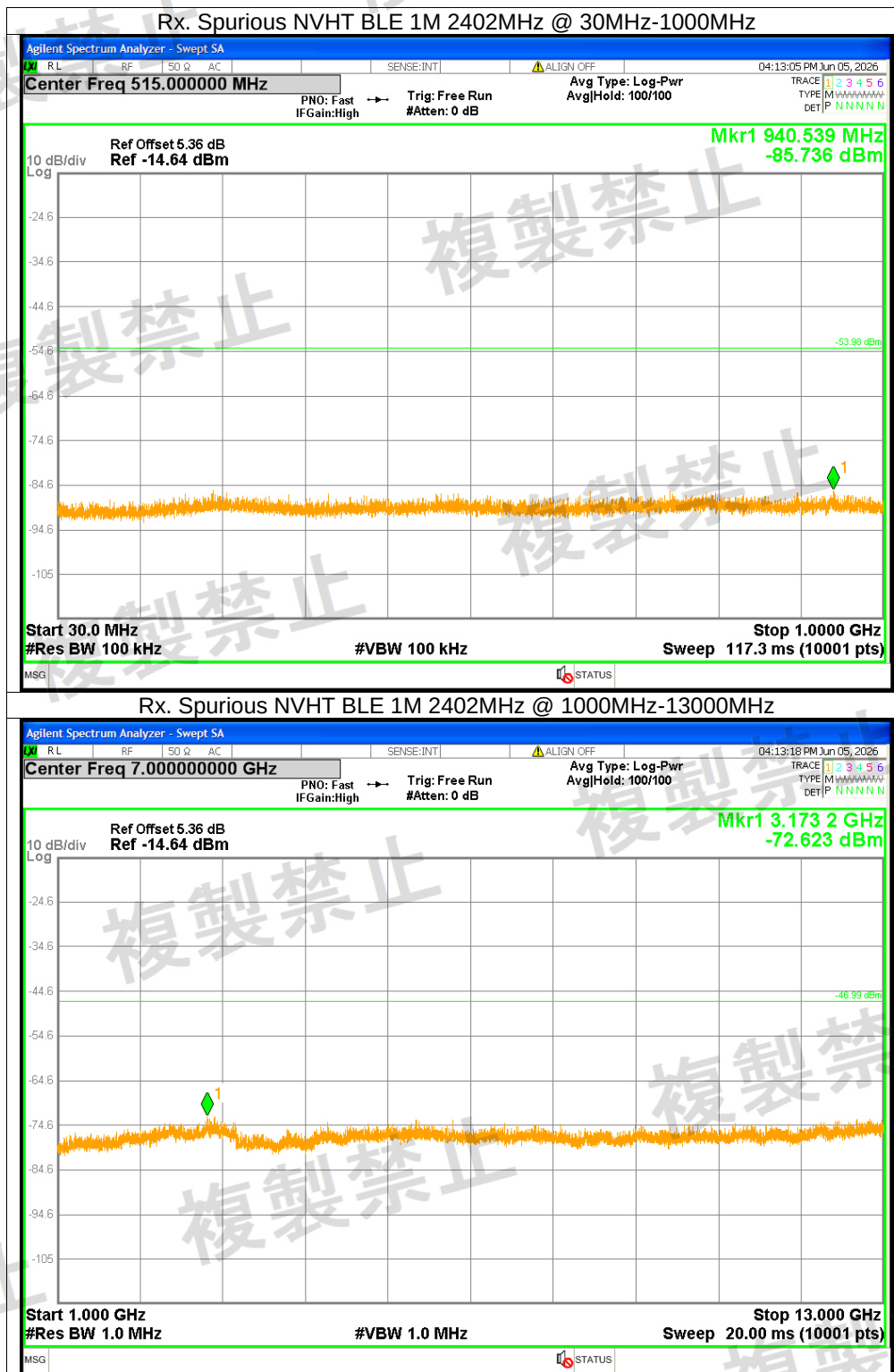
Rx. Spurious NVNT BLE 1M 2402MHz @ 1000MHz-13000MHz

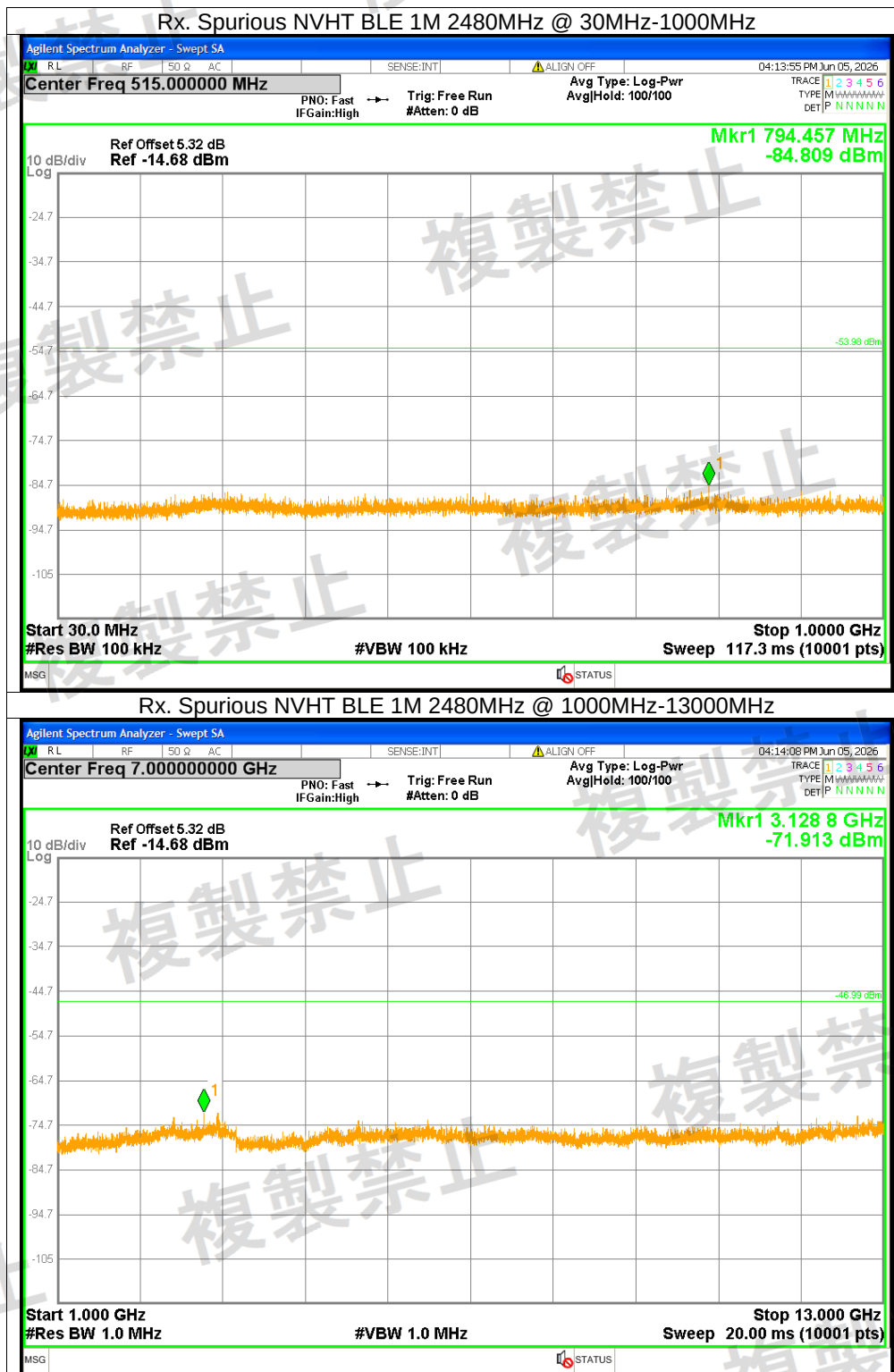














APPENDIX 2-EUT TEST PHOTO

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※END OF THE REPORT※※※※※