



Radio Test Report

Report No.: STS2606015W01

Issued for

Shenzhen Chiptrip Technology CO., LTD

2nd floor, No.12, Chuangke Town, Liuxian Road, Nanshan
District, Shenzhen, China

Product Name: Portable Projector

Brand Name: N/A

Model Name: XT70

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: Shenzhen Chiptrip Technology CO., LTD
Address: 2nd floor, No.12, Chuangke Town, Liuxian Road, Nanshan District, Shenzhen, China
Manufacturer's Name: Shenzhen Chiptrip Technology CO., LTD
Address: 2nd floor, No.12, Chuangke Town, Liuxian Road, Nanshan District, Shenzhen, China

Test Specification:

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

Product Description

Product Name: Portable Projector
Brand Name: N/A
Model Name: XT70
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: 02 June 2026
Date (s) of performance of tests: 02 June 2026~10 June 2026
Date of Issue: 10 June 2026
Test Result: **Pass**

Testing Engineer :

(Aaron Bu)

Technical Manager :

(Skylar Li)

Authorized Signatory :

(Bovey Yang)



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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	10 June 2026	STS2606015W01	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	Dwell Time	PASS
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



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 Bandwidth	$\pm 3.6\%$
5	Dwell Time	$\pm 3.2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Equipment	Portable Projector	
Brand Name	N/A	
Model Name	XT70	
Series Model(s)	N/A	
Serial model describing	N/A	
Product Description	Operation Frequency:	2402~2480 MHz
	Modulation Type:	GFSK/ $\pi/4$ -DQPSK/8DPSK
	Bit Rate of Transmitter:	BT BR(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8DPSK
	Number Of Channel:	79 CH
	Antenna Designation:	Please refer to the Note 3.
	Antenna Gain(Peak):	2.62dBi
Channel List	Please refer to the Note 2.	
Rating	Input: DC 21V 3A	
Adapter	Model: RSF DY113B-210300US Brand: N/A Input:100-240V~ 50/60Hz 1.5A Output:DC 21V 3A Manufacturer: SHENZHEN RUN SHENG FENG POWER TECHNOLOGY CO.,LTD	
Battery	N/A	
Hardware version	XT70_V03_20250220	
Software version	Android 11	
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.



2. Channel List

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3. Table for Filed Antenna

Ant.	Antenna Brand	Antenna Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	Shenzhen Hongde Zhixin Technology Co., LTD	HDZX-2707-WF-V03	FPC	N/A	2.62	BT Antenna

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.



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

Pretest Mode	Description
Mode 1	GFSK(CH00 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH78)
Mode 3	8DPSK(CH00 CH78)
Mode 4	GFSK(Hopping)
Mode 5	$\pi/4$ -DQPSK(Hopping)
Mode 6	8DPSK(Hopping)
For Conducted Emission	
Final Test Mode	Description
Mode 1	GFSK(CH00 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH78)
Mode 3	8DPSK(CH00 CH78)
Mode 4	GFSK(Hopping)
Mode 5	$\pi/4$ -DQPSK(Hopping)
Mode 6	8DPSK(Hopping)



2.3 TEST CONDITIONS

The BT 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:

- Temperature: 22°C
- Humidity: 52 %
- Atmospheric pressure: 93 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)	21	23.1	18.9
RF Chip Input DC Power(V)	3.313	3.329	3.294
Voltage Variation (%)	/	0.48	-0.57

Note: 1. Voltage Variation (%)

= (RF chip Input high or Low Voltage - RF chip Input Normal Voltage) / RF chip Input Normal Voltage * 100

2. RF chip Input DC power fluctuation is verified at the power input PIN of the RF chip.

When the input supply voltage to the EUT from the external power source is varied by +/- 10%, the output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%, and the DC power fluctuation at the power input PIN of the RF chip is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

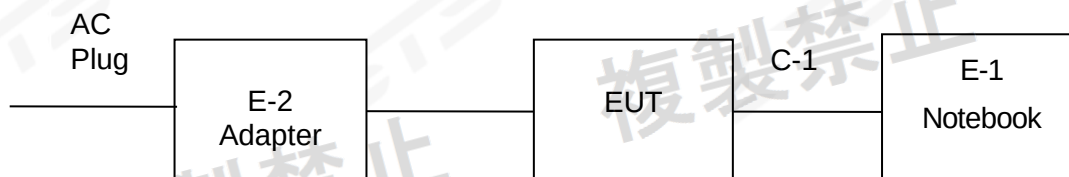
2.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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 is going to be fixed on the firmware of the final end product power parameters of FHSS.

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BT	BR+EDR	GFSK	2.62	6	CMD
		$\pi/4$ -DQPSK		6	
		8DPSK		6	



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	Adapter	SHENZHEN RUN SHENG FENG POWER TECHNOLOGY CO.,LTD	RSF DY113B-210300US	N/A
C-1	USB Cable	MI	RYEW3A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-1	Shielded	NO	150cm	N/A

Note: 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	6700000124211	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-0.5/0.6-2 S	B519	2026.02.24	2027.02.23
Attenuator	Agilent	8494B	DC-18G	2026.02.24	2027.02.23
DC power supply	HONGSHEN GFENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Switch control box	MW	MW100-RFC B	052206001	2025.09.23	2026.09.22
Test SW	MW	MTS 8310 2.0.0.0			

Test Equipment Calibration

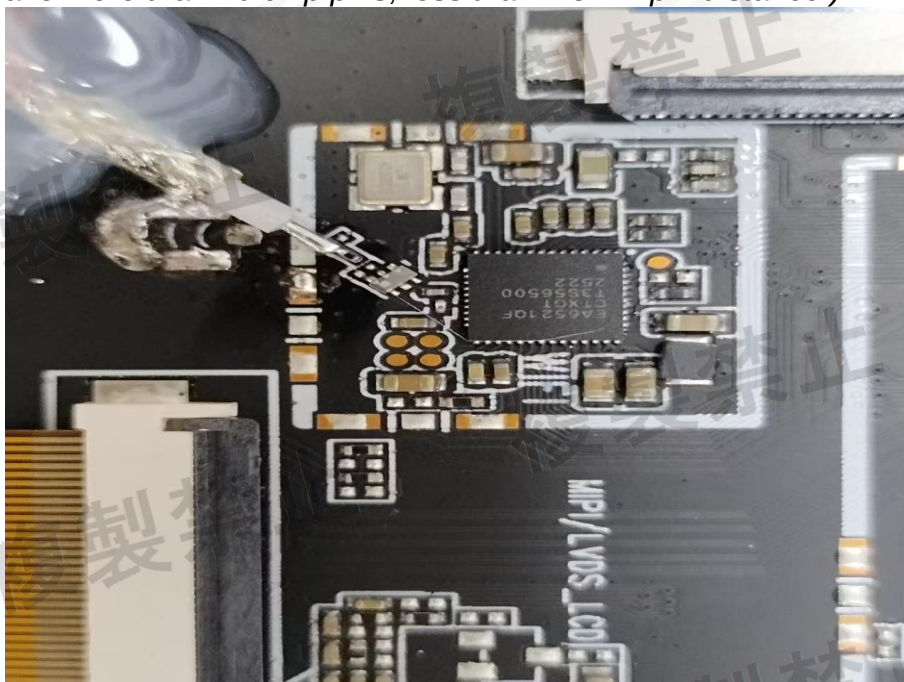
All of the test equipment is effective use and calibration certification institution, GRGT, the address is No.8 Chuangyun Rd,Panyu District,Guangzhou,Guangdong,China

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

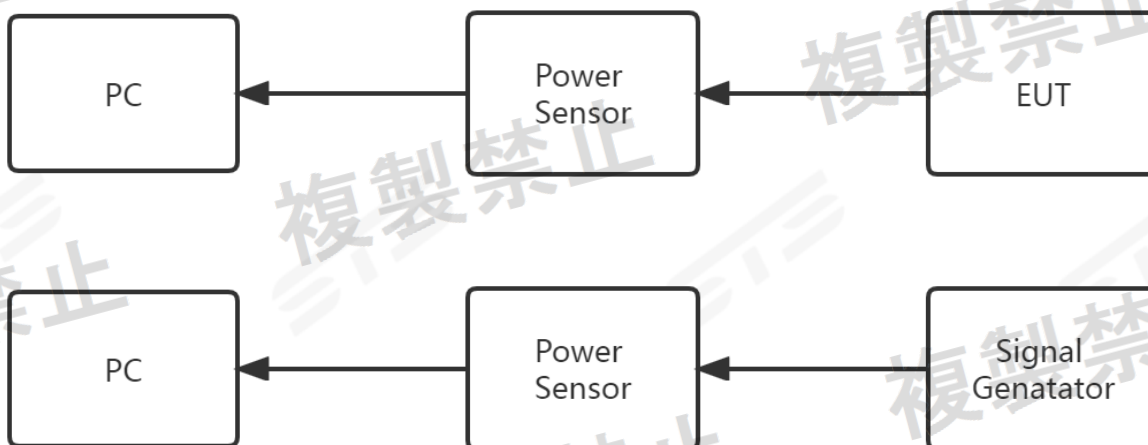
5.1 LIMIT

Item	Limits
Antenna Power Density	$\leq 3\text{mW/MHz}$ (FH from 2427 – 2470.5 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.
Antenna Power mW/MHz= Antenna Power (mW)/Spreading Bandwidth.

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: 1MHz / VB: 1MHz / SPAN: Auto / 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 FH 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	$\leq 2.5 \mu\text{W/MHz}$ ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

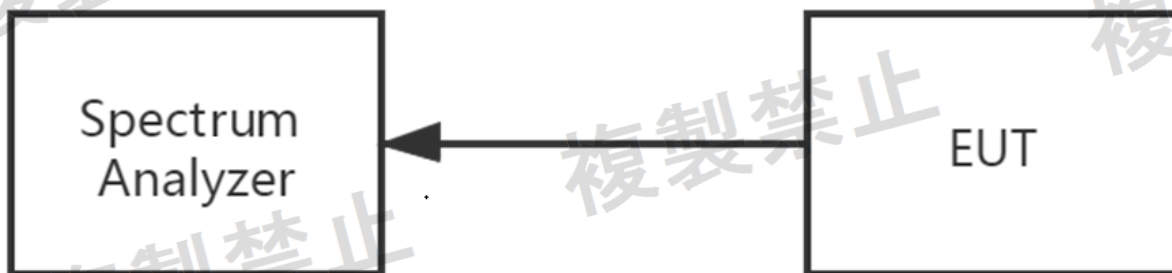
8.2 TEST PROCEDURE

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. DWELL TIME

9.1 LIMIT

Item	Limits
Hopping Freq. Dwell Time	$\leq 0.4 \text{ sec (In } 0.4 \text{ sec} \times \text{ spreading rate)}$

9.2 TEST PROCEDURES

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

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
- Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- Measure the maximum time duration of one single pulse.
- Set the EUT for packet transmitting.
- Measure the maximum time duration of one single pulse.
- Dwell time = pulse time (ms) x pulse number in 31.6s

9.3 TEST SETUP



9.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.



10. IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

10.1 LIMIT

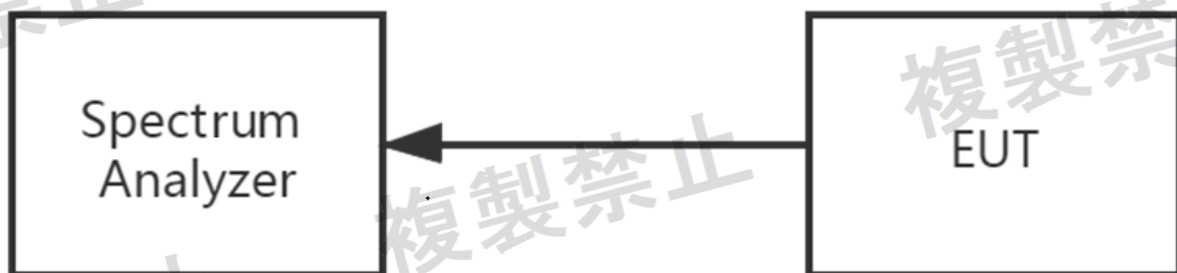
Item	Limits
RX Spurious Emission:	$\leq 4\text{nW}$ ($f < 1\text{GHz}$)
	$\leq 20\text{nW}$ ($1\text{GHz} \leq f$)

10.2 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.

10.3 TEST SETUP



10.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.



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

11.1 LIMIT

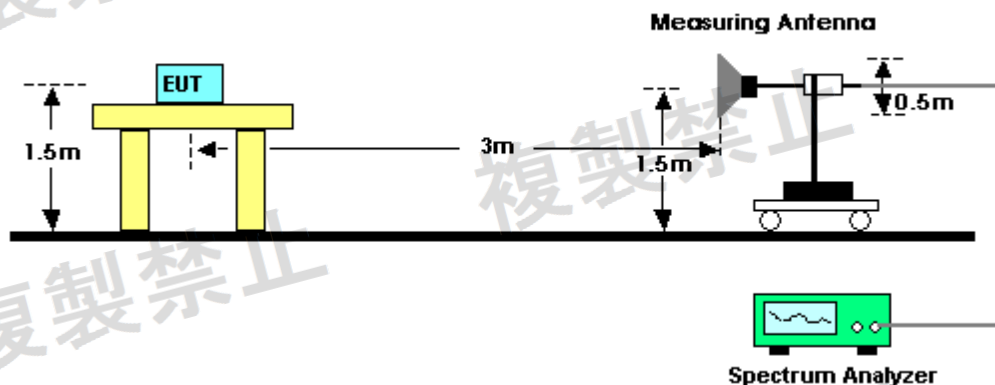
Item	Limits
3dB antenna beam width	$e \leq 360/A$ (The A is 10 in maximum) $A = \{EIRP \text{ Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)}\}\}$ Shall be 1 when A is lower than 1
Note: This test item is not applied for radio equipment with equivalent isotropic radiation 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	

11.2 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 $A = 1$).
 $A = \{EIRP \text{ Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)}\}\}$
Shall be 1 when A is lower than 1

11.3 TEST SETUP



11.4 TEST DEVIATION

There is no deviation with the original standard.

11.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.6 TEST RESULT

Note: The Max EIRP is less than 6.91dBm/MHz, not applicable.

12. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

12.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

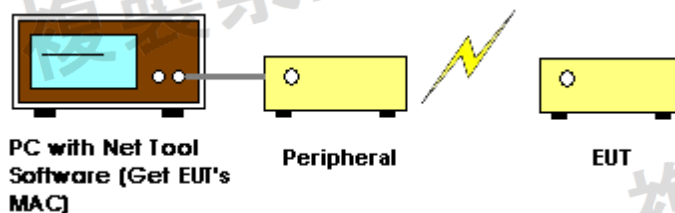
12.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

12.3 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.

12.4 TEST SETUP



12.5 TEST DEVIATION

There is no deviation with the original standard.

12.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

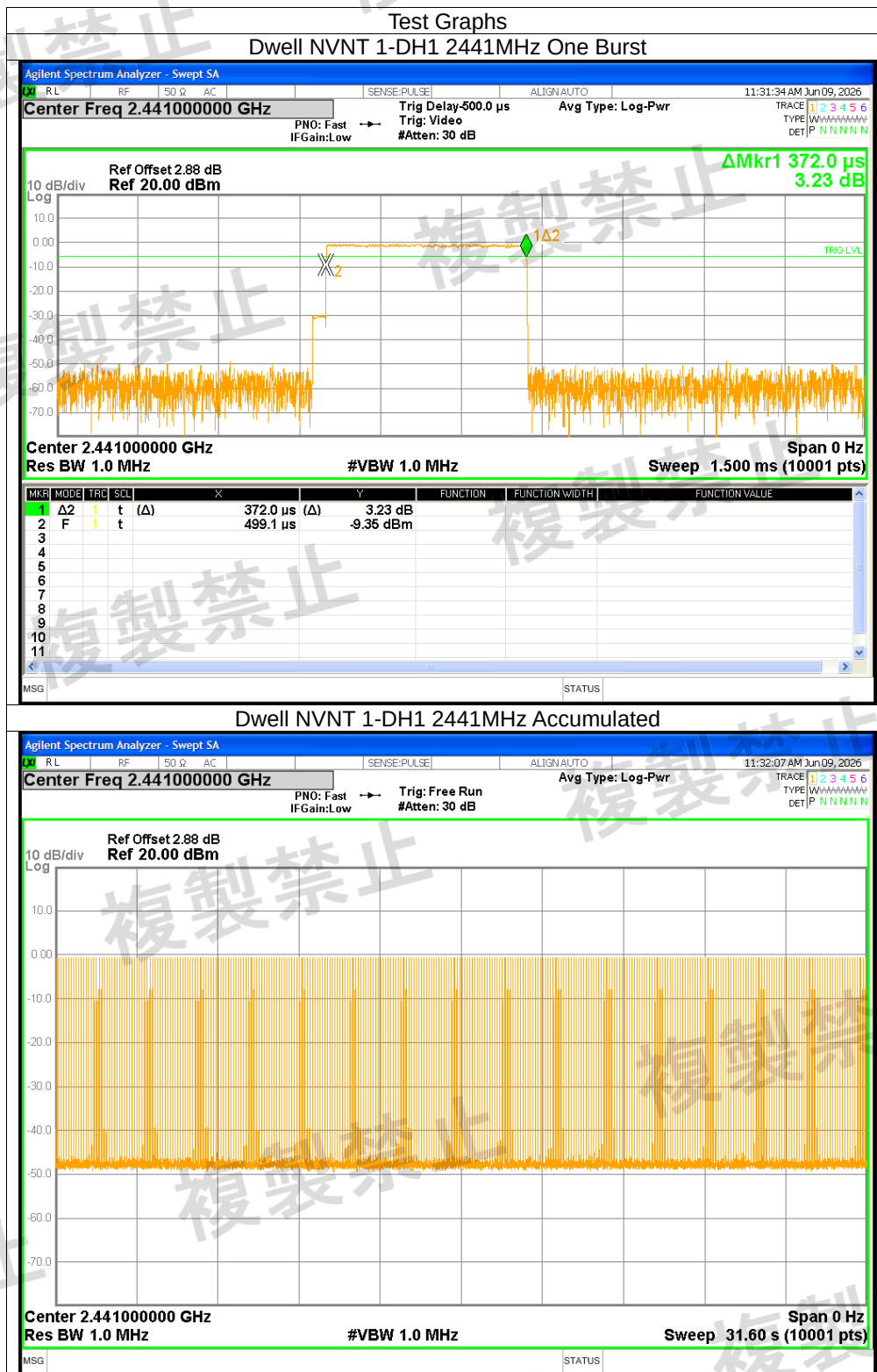


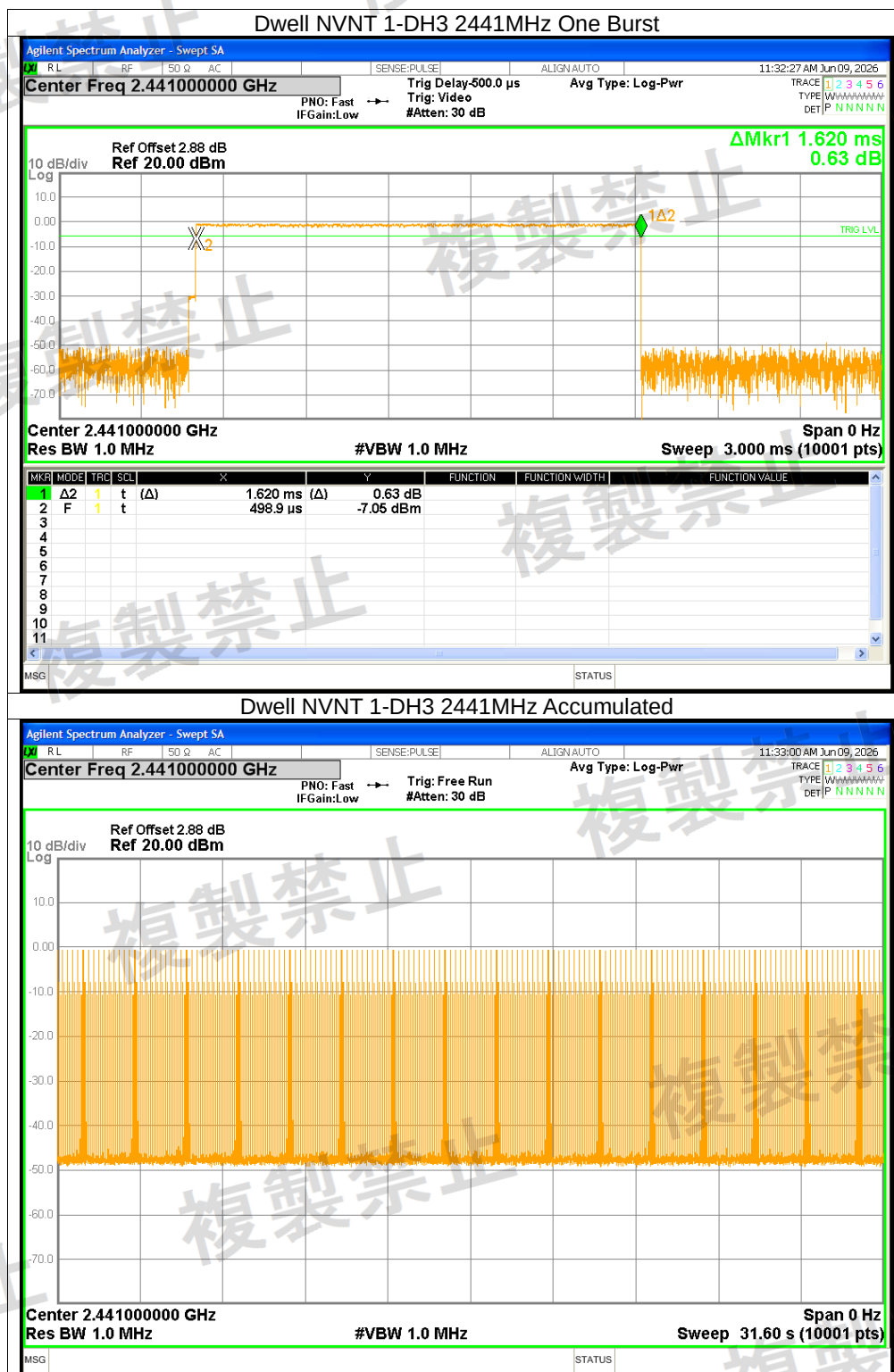
12.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

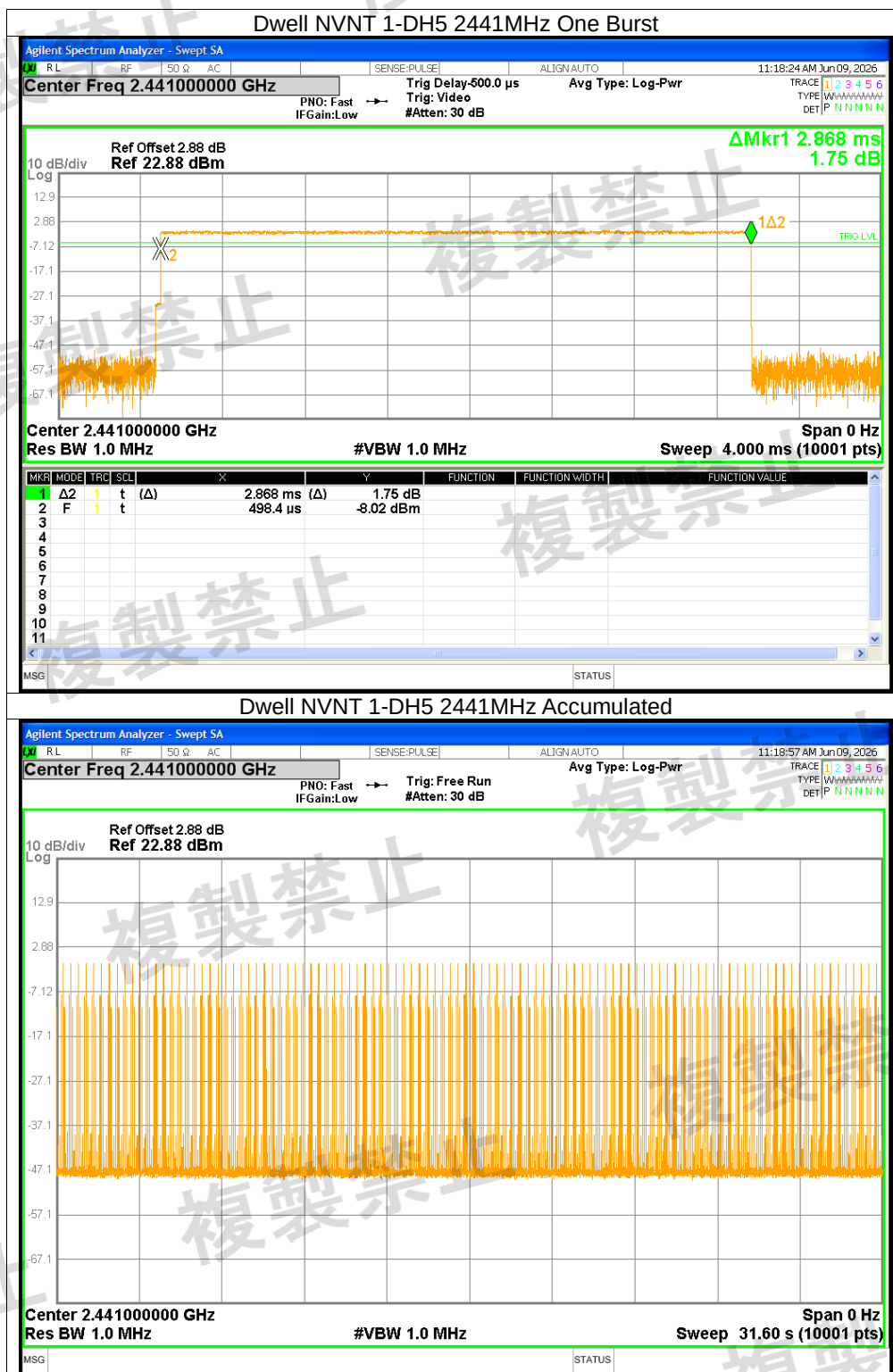
Note: The MAC Address is 0A:EC:01:1F:DB:6C

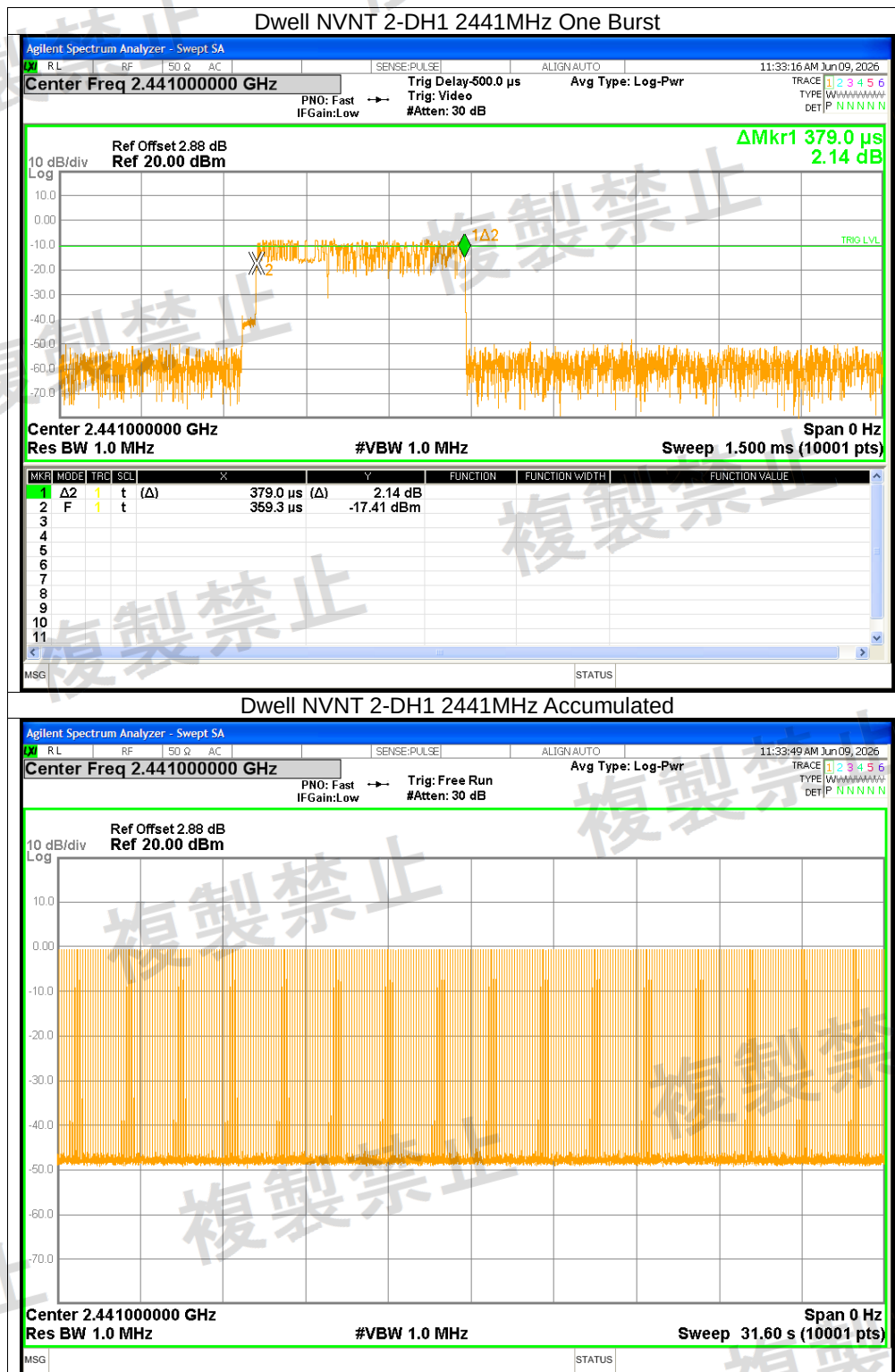
**APPENDIX 1-TEST DATA****Dwell Time**

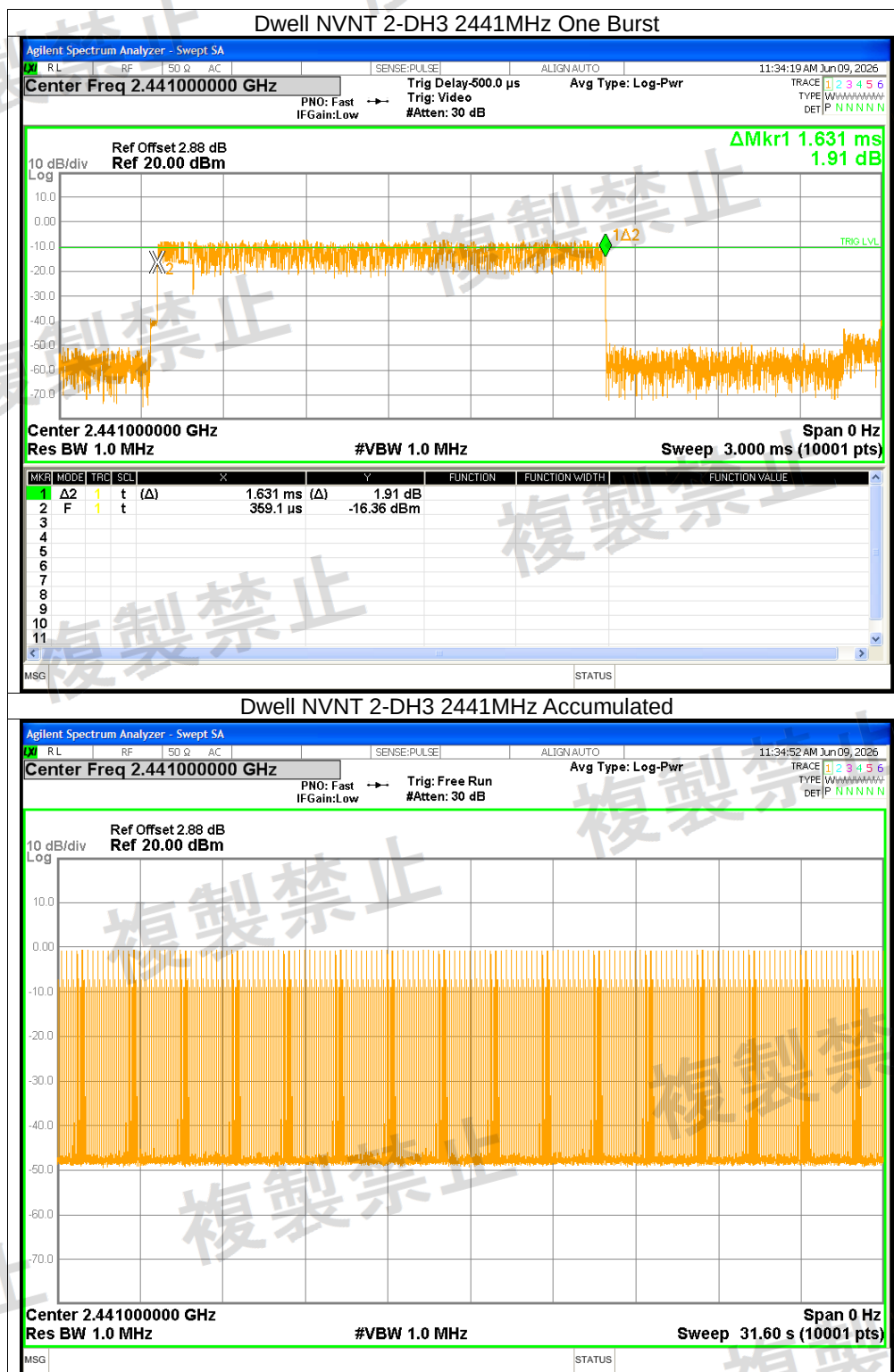
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.372	118.668	319	31600	<=400	Pass
NVNT	1-DH3	2441	1.62	259.2	160	31600	<=400	Pass
NVNT	1-DH5	2441	2.868	304.008	106	31600	<=400	Pass
NVNT	2-DH1	2441	0.379	120.901	319	31600	<=400	Pass
NVNT	2-DH3	2441	1.631	260.96	160	31600	<=400	Pass
NVNT	2-DH5	2441	2.879	308.053	107	31600	<=400	Pass
NVNT	3-DH1	2441	0.379	120.901	319	31600	<=400	Pass
NVNT	3-DH3	2441	1.629	259.011	159	31600	<=400	Pass
NVNT	3-DH5	2441	2.881	308.267	107	31600	<=400	Pass

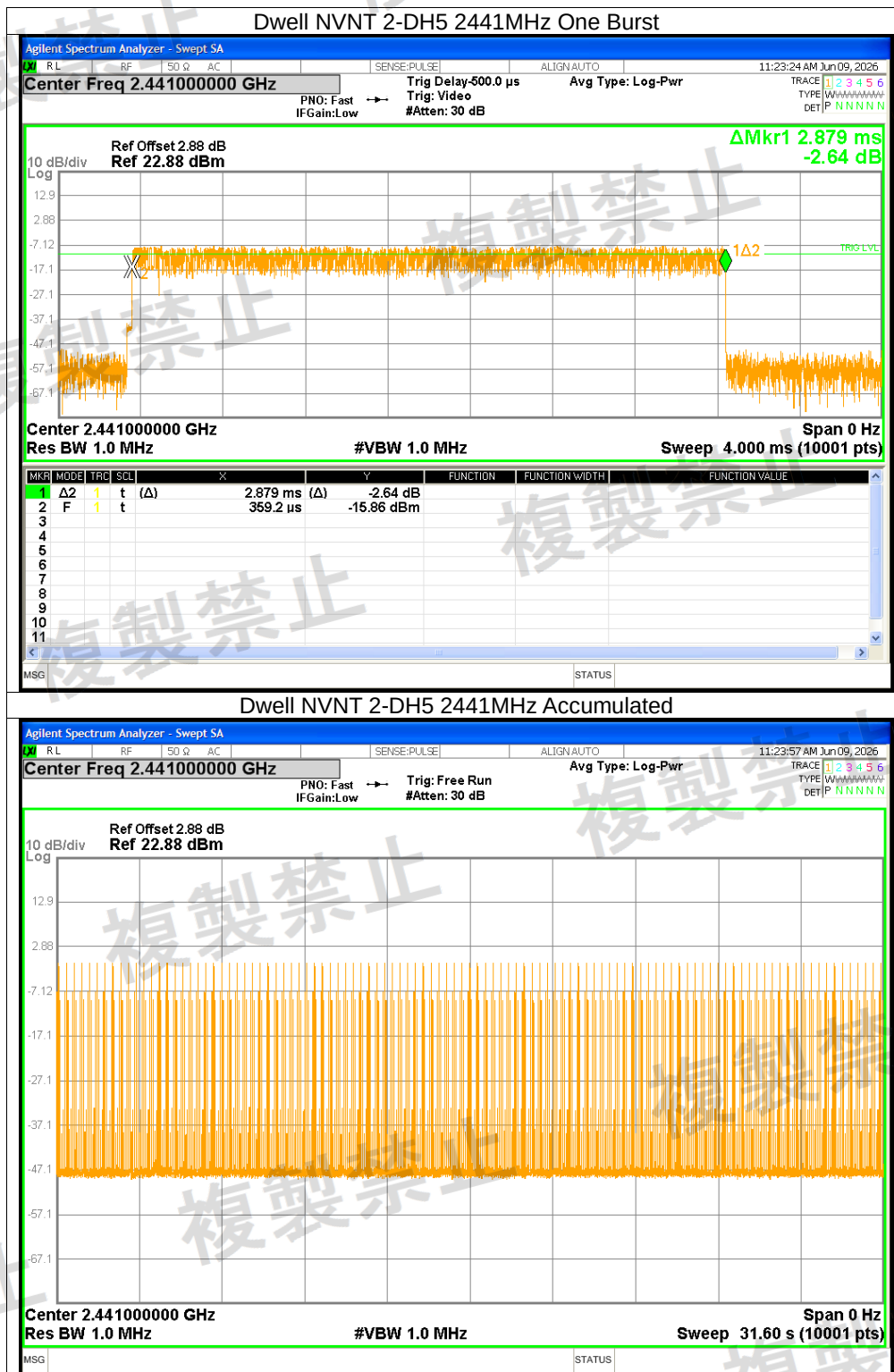


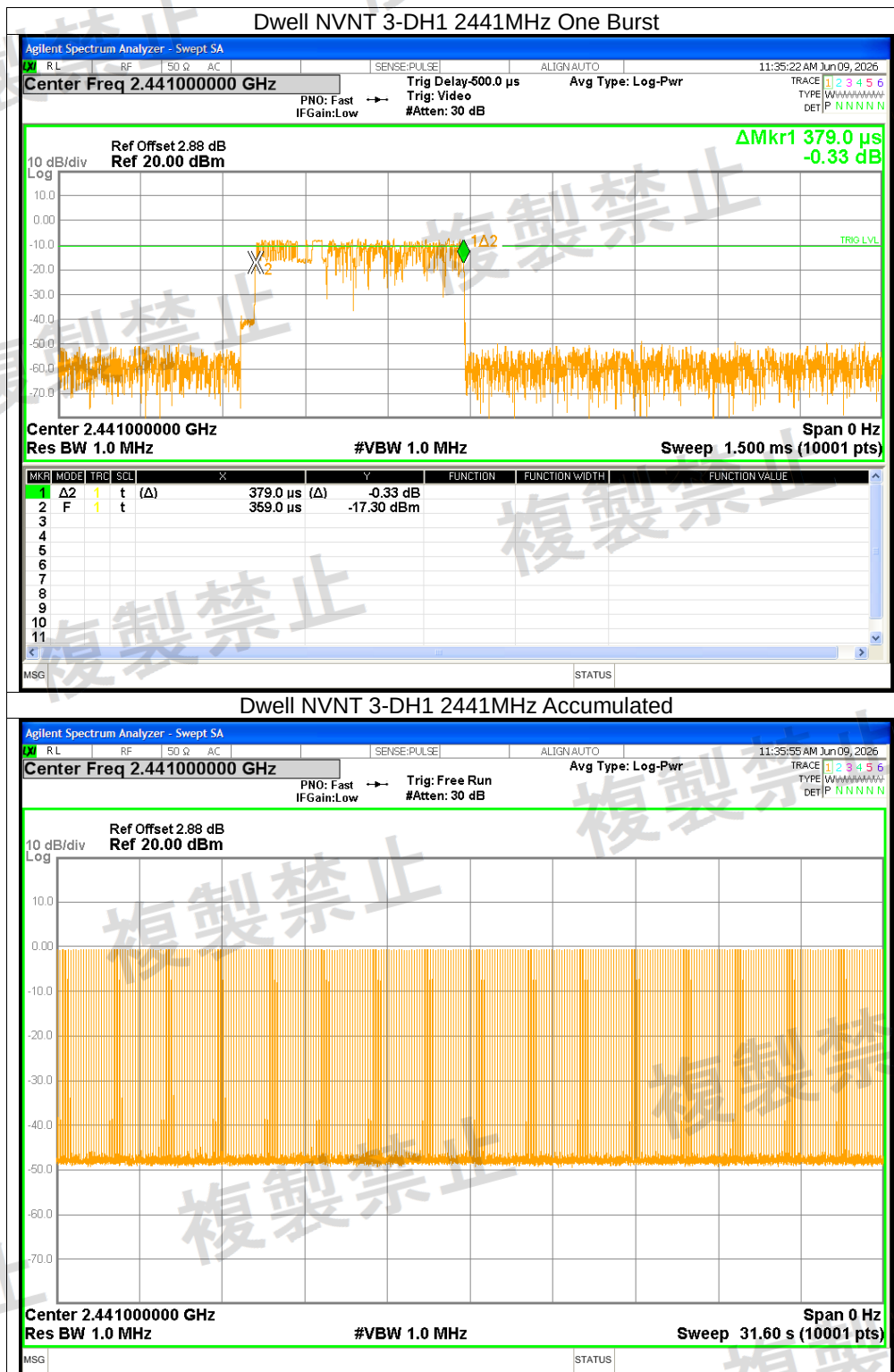


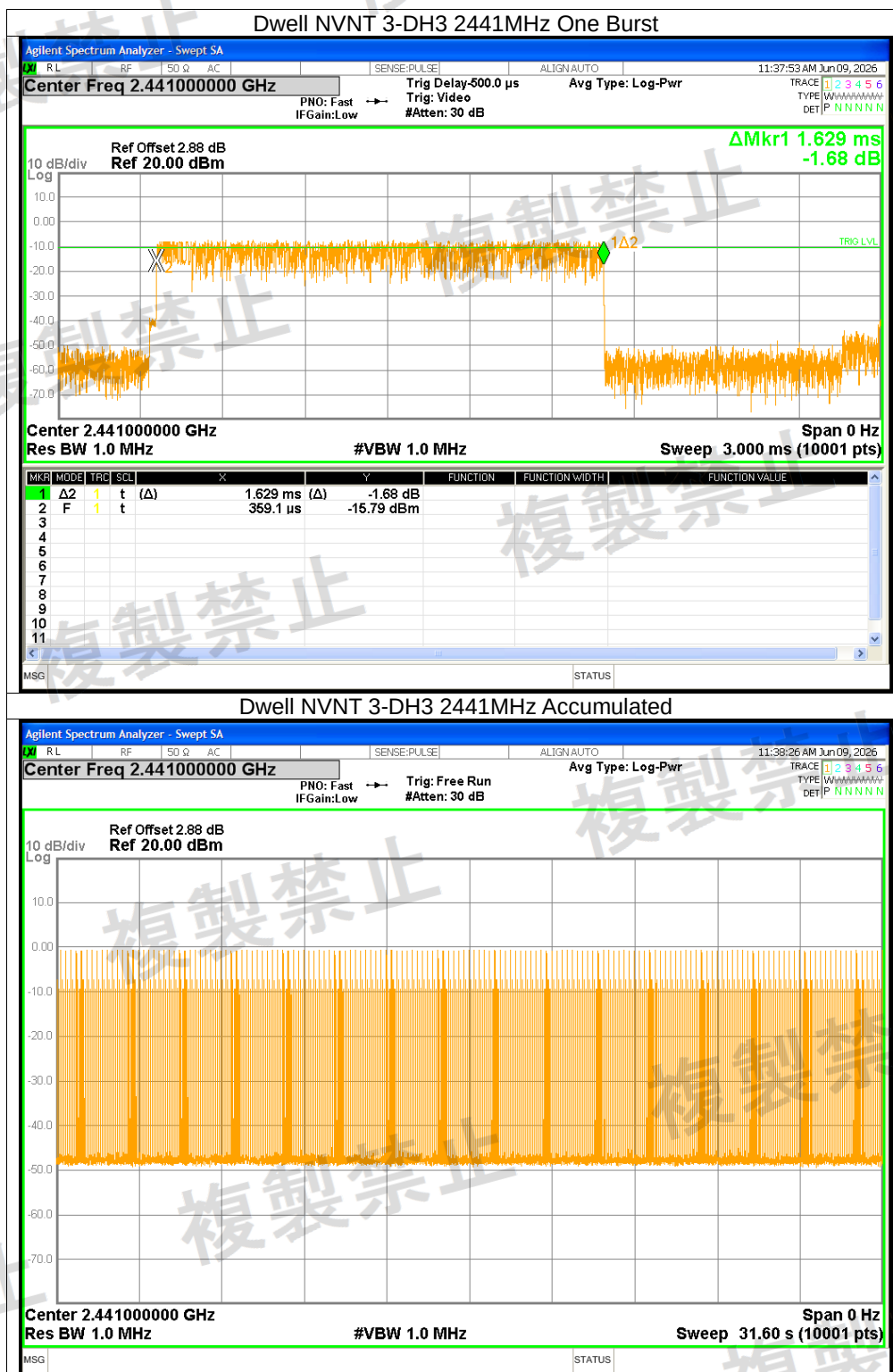


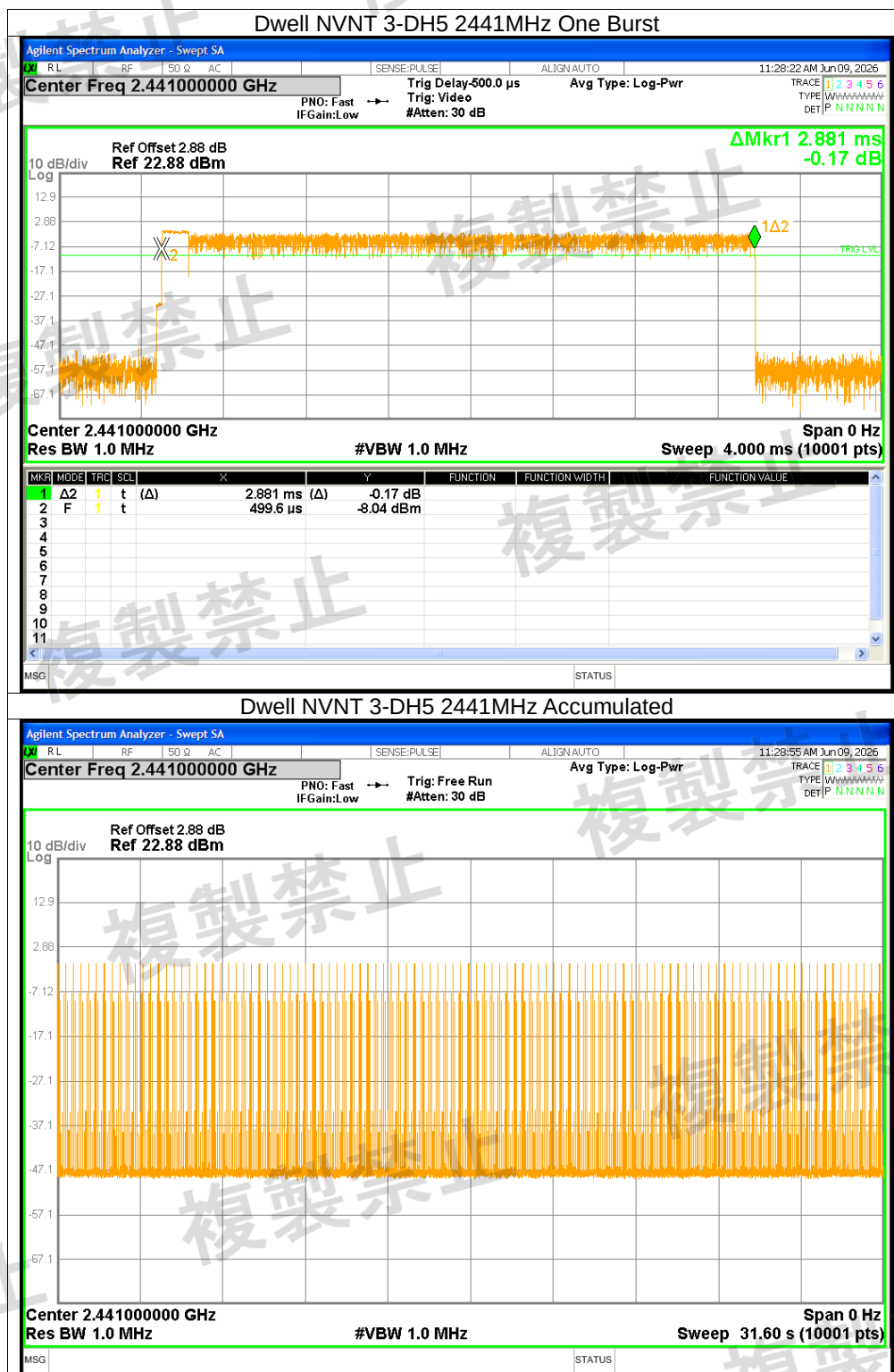








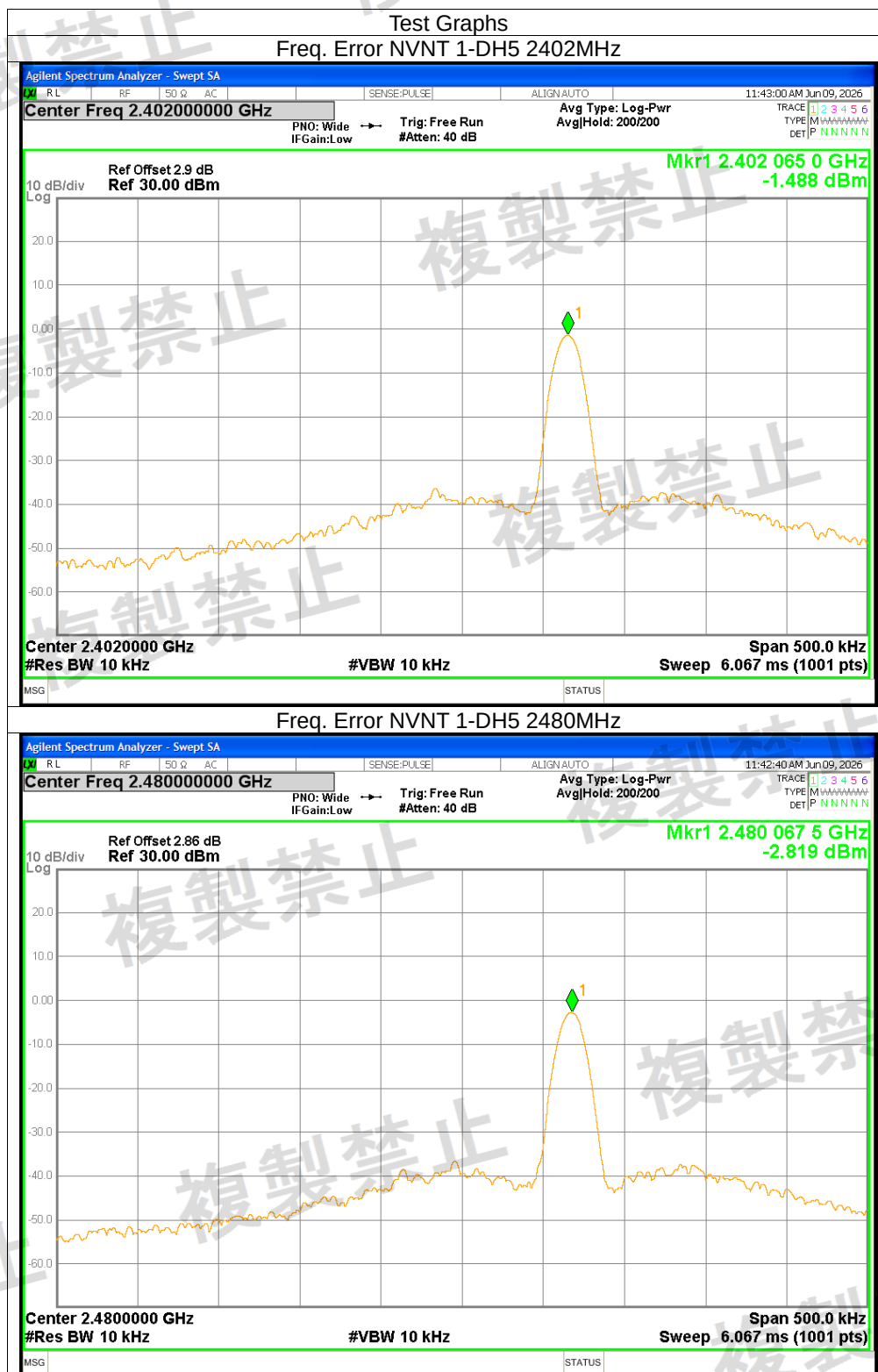






Frequency Error

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	1-DH5	2402	2402.065	65000	27.06	+50	Pass
NVNT	1-DH5	2480	2480.0675	67500	27.22	+50	Pass





Antenna Power

Condition	Mode	Frequency (MHz)	Power (dBm)	Antenna Power (mW)	Test Result for Antenna Power (mW/MHz)	Declared Power (mW/MHz)	Limit (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	1-DH5	2441	-0.61	0.869	0.012	0.02	3	-40	20	Pass
NVNT	2-DH5	2441	-0.67	0.857	0.012	0.02	3	-40	20	Pass
NVNT	3-DH5	2441	-0.7	0.851	0.012	0.02	3	-40	20	Pass

Note: Antenna Power mW/MHz= Antenna Power (mW)/Spreading Bandwidth



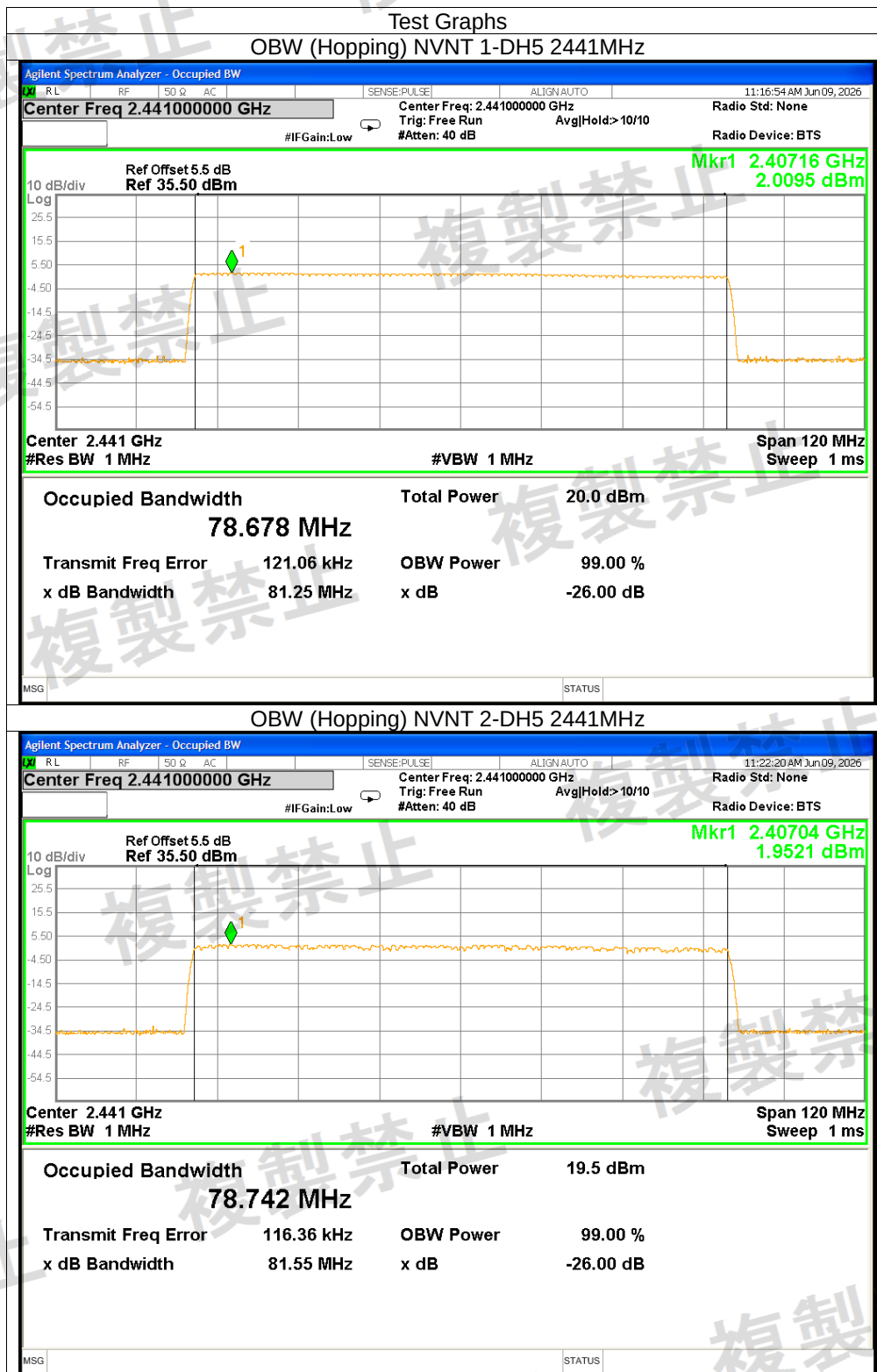
EIRP Power

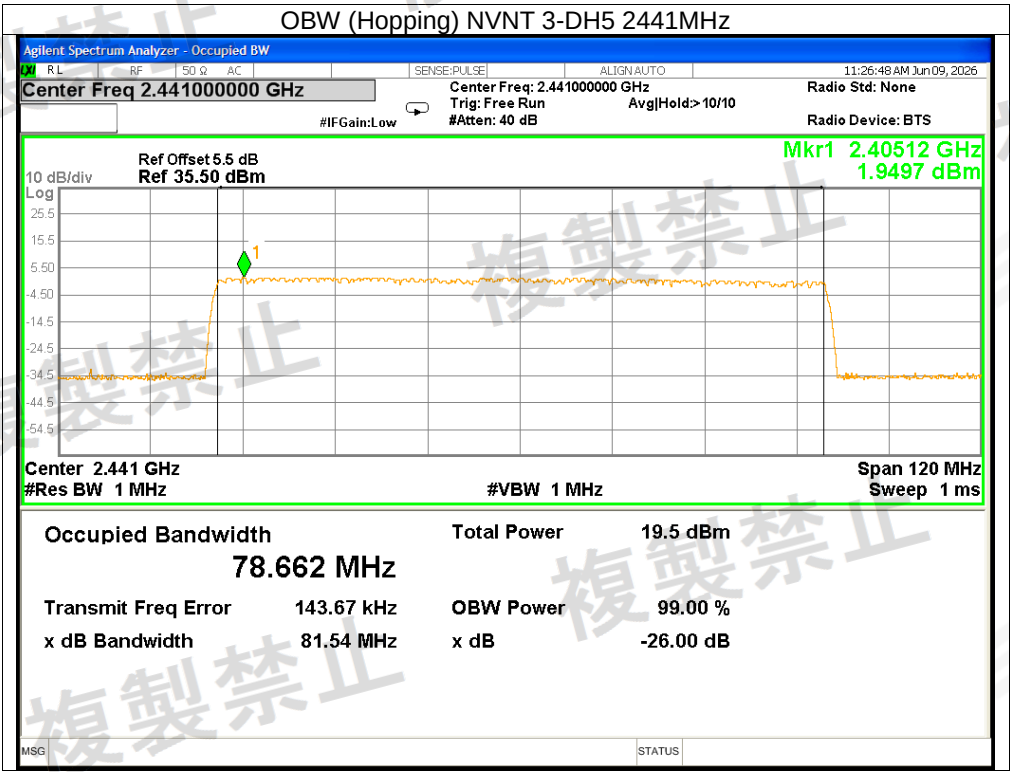
Condition	Mode	Frequency (MHz)	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH5	2441	-19.21	2.62	-16.59	6.91	Pass
NVNT	2-DH5	2441	-19.21	2.62	-16.59	6.91	Pass
NVNT	3-DH5	2441	-19.21	2.62	-16.59	6.91	Pass



Occupied Channel Bandwidth (Hopping)

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	1-DH5	Hopping	78.678	N/A	83.5	Pass
NVNT	2-DH5	Hopping	78.742	N/A	83.5	Pass
NVNT	3-DH5	Hopping	78.662	N/A	83.5	Pass

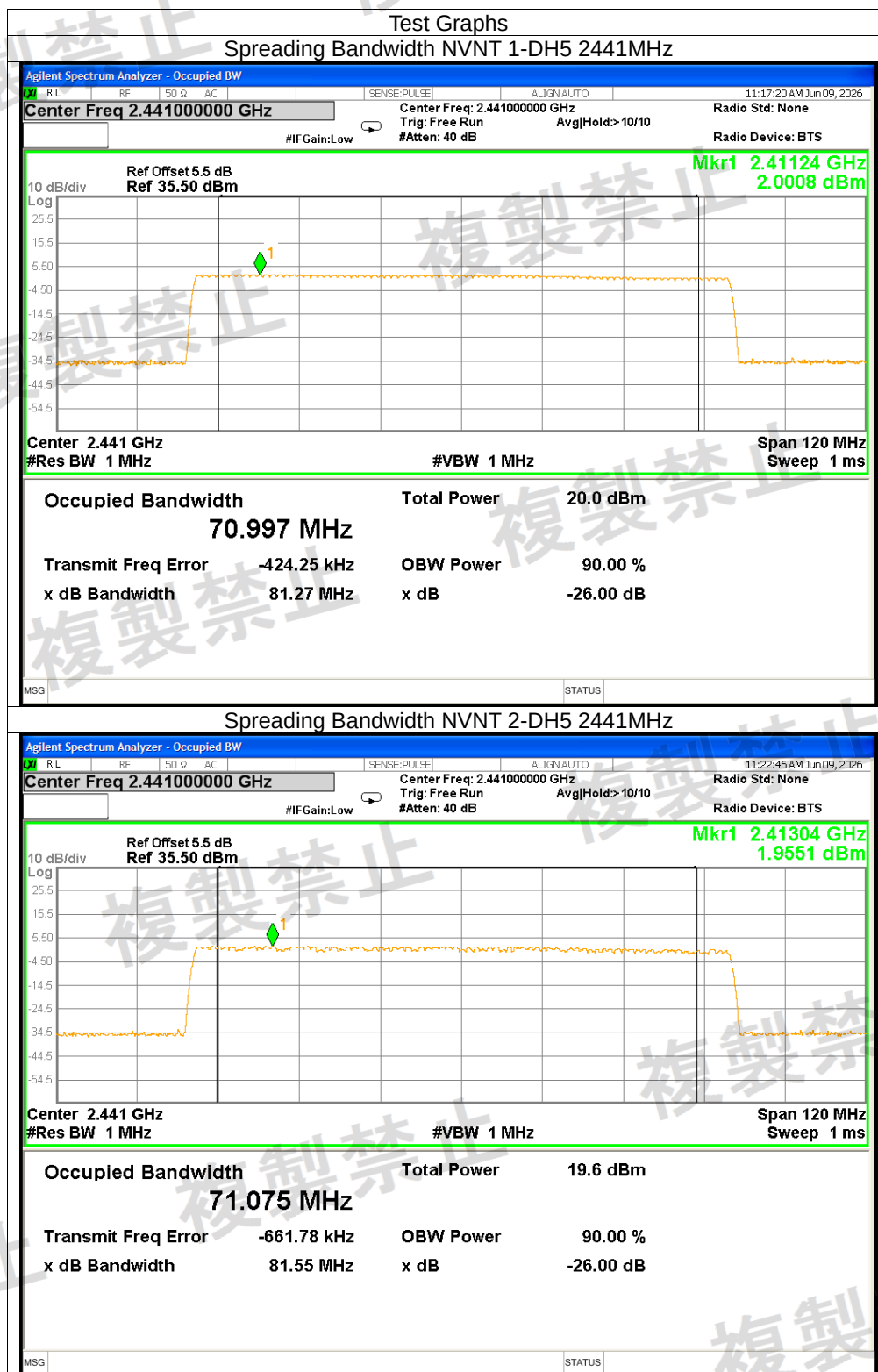


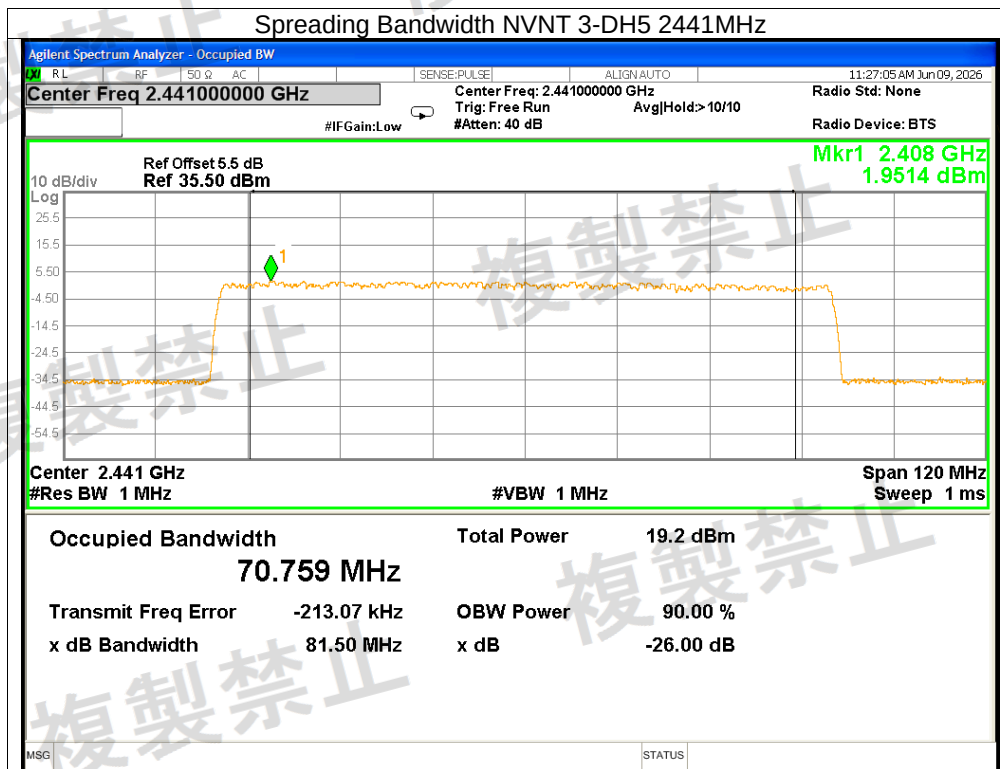




Spreading Bandwidth

Condition	Mode	Frequency (MHz)	90% OBW (MHz)
NVNT	1-DH5	2441	70.998
NVNT	2-DH5	2441	71.076
NVNT	3-DH5	2441	70.76







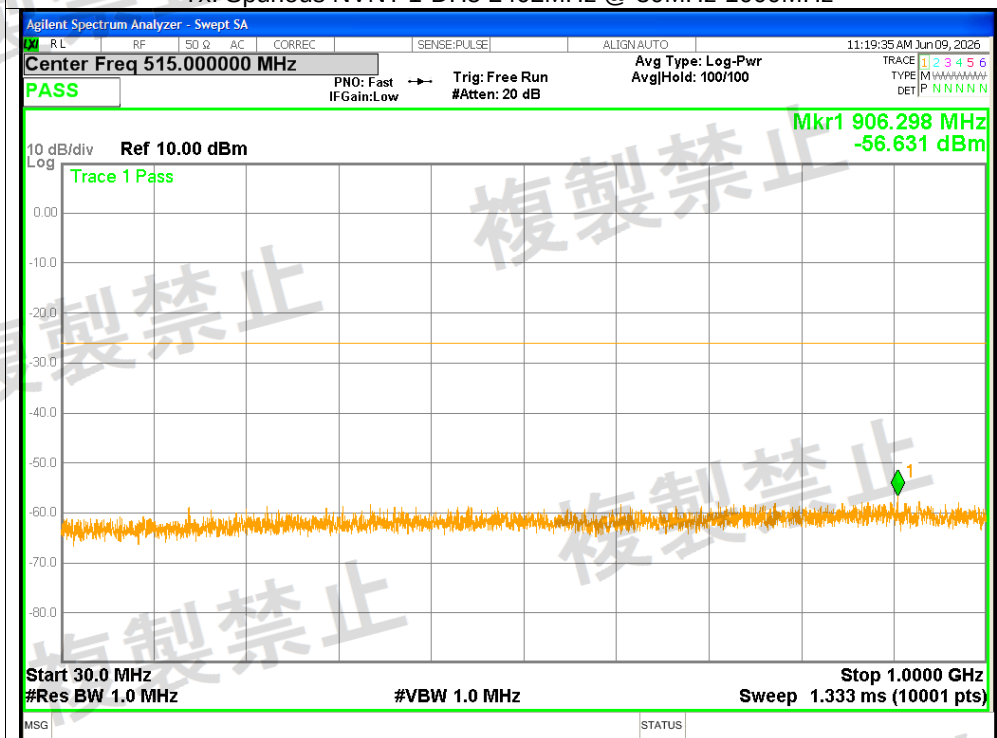
Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Max Value (uW/MHz)	Limit Start(uW/SSSMHz)	Limit Stop (uW/MHz)	Verdict
NVNT	1-DH5	2402	30-1000	906.3	-56.63	0.0022	2.5	2.5	Pass
NVNT	1-DH5	2402	1000-2387	2381.04	-50.93	0.0081	2.5	2.5	Pass
NVNT	1-DH5	2402	2387-2400	2400	-43.23	0.0475	25	25	Pass
NVNT	1-DH5	2402	2483.5-2496.5	2490.27	-53.26	0.0047	25	25	Pass
NVNT	1-DH5	2402	2496.5-13000	12249	-48.54	0.014	2.5	2.5	Pass
NVNT	1-DH5	2480	30-1000	868.86	-56.35	0.0023	2.5	2.5	Pass
NVNT	1-DH5	2480	1000-2387	2332.49	-52.59	0.0055	2.5	2.5	Pass
NVNT	1-DH5	2480	2387-2400	2398.93	-52.96	0.0051	25	25	Pass
NVNT	1-DH5	2480	2483.5-2496.5	2484.1	-51.91	0.0064	25	25	Pass
NVNT	1-DH5	2480	2496.5-13000	12245.85	-49.69	0.0107	2.5	2.5	Pass
NVNT	2-DH5	2402	30-1000	959.26	-56.99	0.002	2.5	2.5	Pass
NVNT	2-DH5	2402	1000-2387	2382.56	-49.2	0.012	2.5	2.5	Pass
NVNT	2-DH5	2402	2387-2400	2399.99	-38.79	0.1321	25	25	Pass
NVNT	2-DH5	2402	2483.5-2496.5	2488.51	-54.1	0.0039	25	25	Pass
NVNT	2-DH5	2402	2496.5-13000	12208.04	-49.37	0.0116	2.5	2.5	Pass
NVNT	2-DH5	2480	30-1000	834.32	-56.67	0.0022	2.5	2.5	Pass
NVNT	2-DH5	2480	1000-2387	2337.07	-54.05	0.0039	2.5	2.5	Pass
NVNT	2-DH5	2480	2387-2400	2397.22	-53.69	0.0043	25	25	Pass
NVNT	2-DH5	2480	2483.5-2496.5	2483.87	-51.8	0.0066	25	25	Pass
NVNT	2-DH5	2480	2496.5-13000	12598.77	-49.62	0.0109	2.5	2.5	Pass
NVNT	3-DH5	2402	30-1000	871.67	-57.15	0.0019	2.5	2.5	Pass
NVNT	3-DH5	2402	1000-2387	2386.86	-51.13	0.0077	2.5	2.5	Pass
NVNT	3-DH5	2402	2387-2400	2400	-37.66	0.1714	25	25	Pass
NVNT	3-DH5	2402	2483.5-2496.5	2495.61	-53.39	0.0046	25	25	Pass
NVNT	3-DH5	2402	2496.5-13000	12204.89	-49.92	0.0102	2.5	2.5	Pass
NVNT	3-DH5	2480	30-1000	971.58	-56.99	0.002	2.5	2.5	Pass
NVNT	3-DH5	2480	1000-2387	2357.04	-53.12	0.0049	2.5	2.5	Pass
NVNT	3-DH5	2480	2387-2400	2390.41	-53.25	0.0047	25	25	Pass
NVNT	3-DH5	2480	2483.5-2496.5	2484.09	-51.58	0.007	25	25	Pass
NVNT	3-DH5	2480	2496.5-13000	12201.73	-49.59	0.011	2.5	2.5	Pass

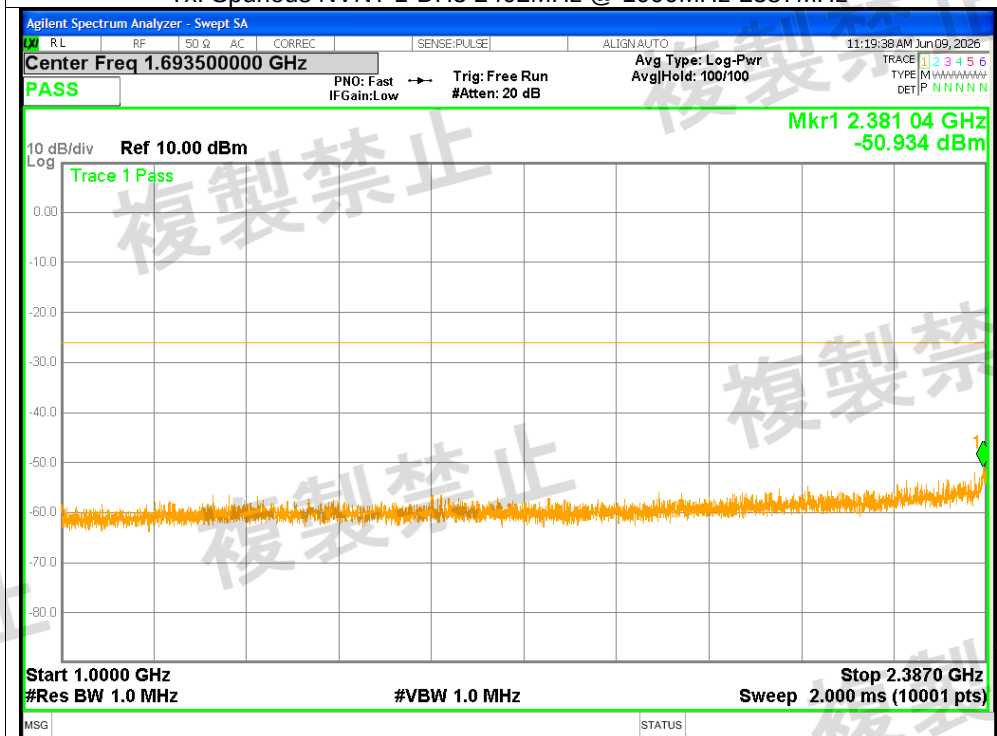


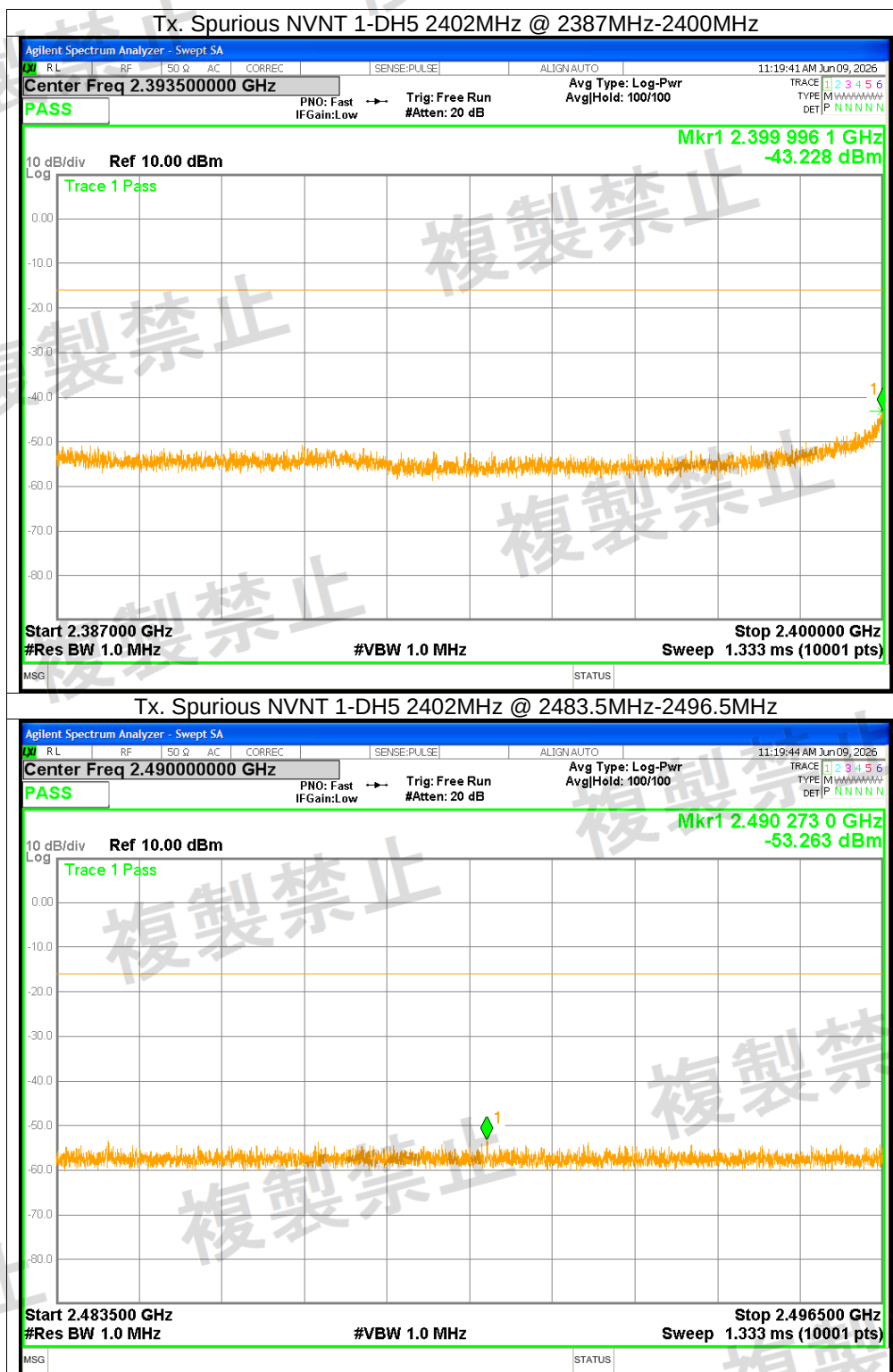
Test Graphs

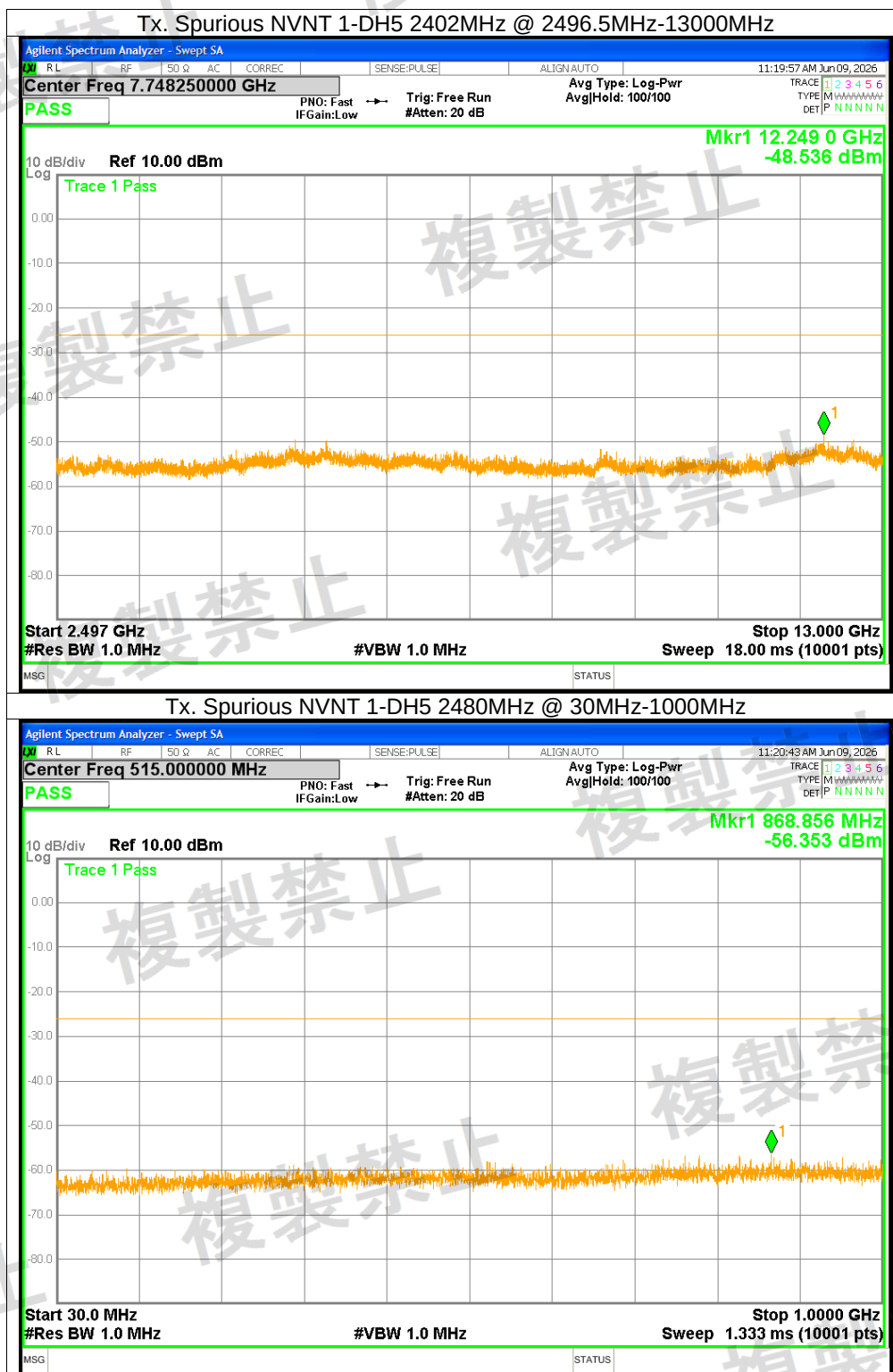
Tx. Spurious NVNT 1-DH5 2402MHz @ 30MHz-1000MHz

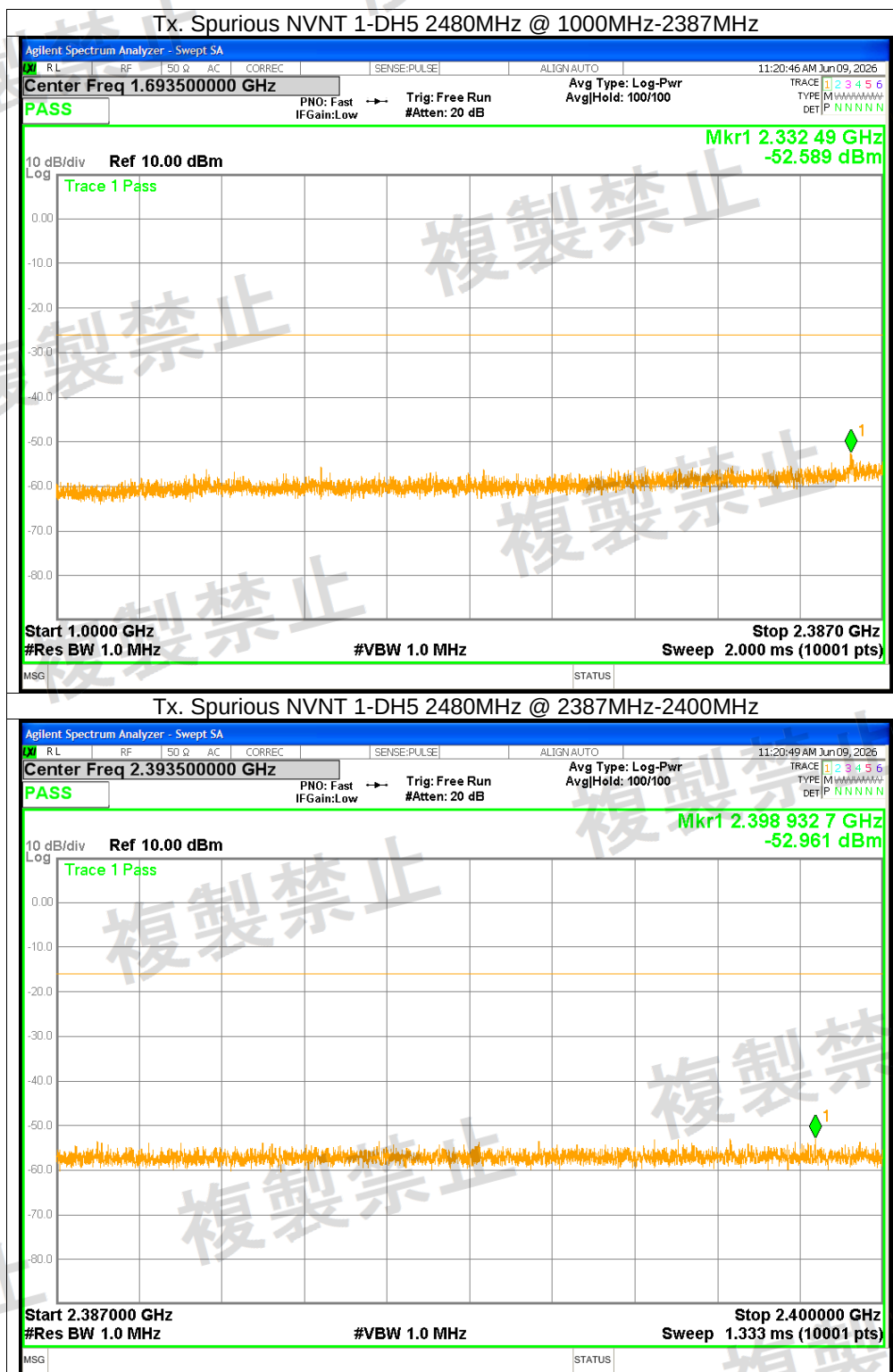


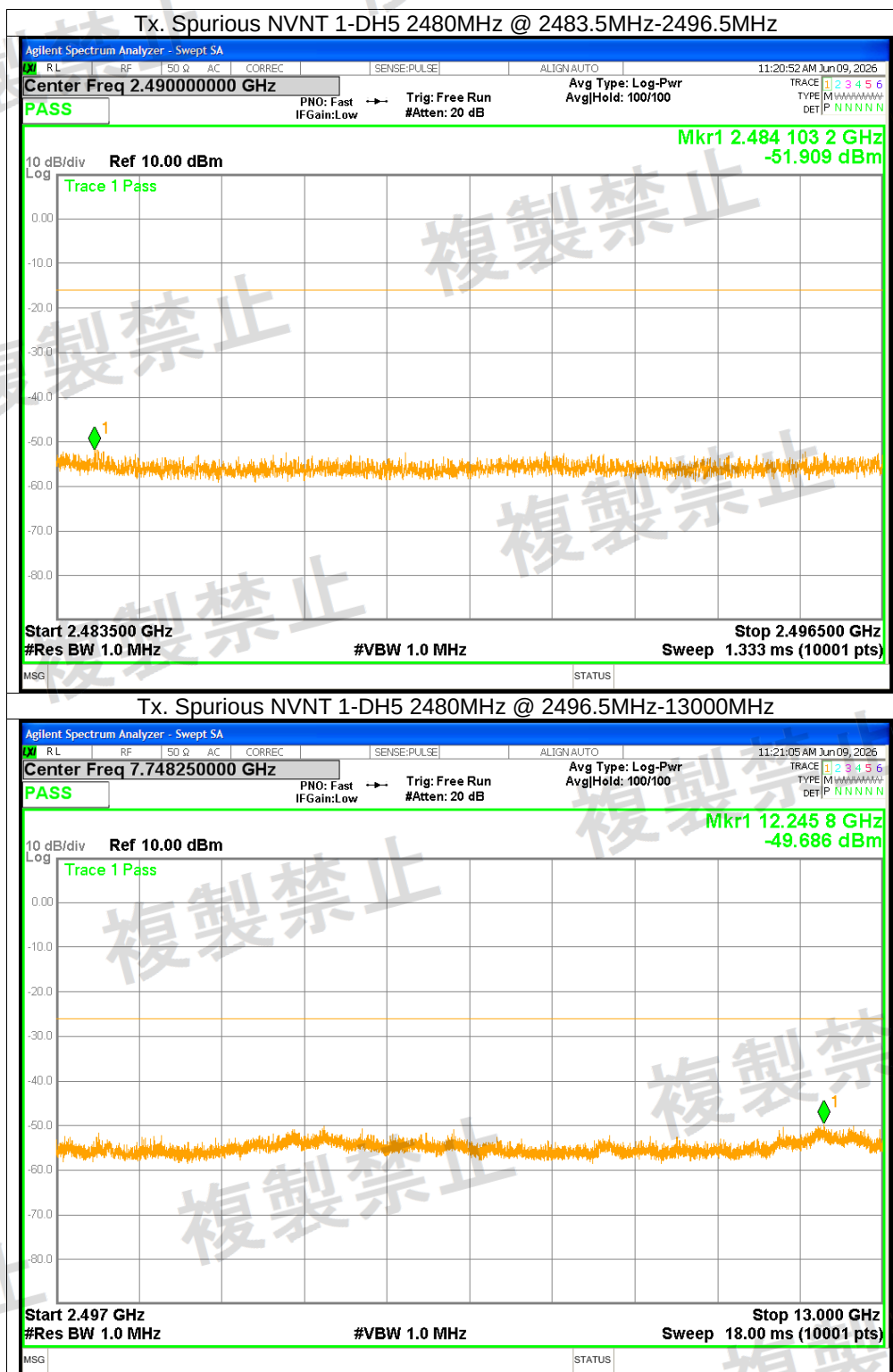
Tx. Spurious NVNT 1-DH5 2402MHz @ 1000MHz-2387MHz

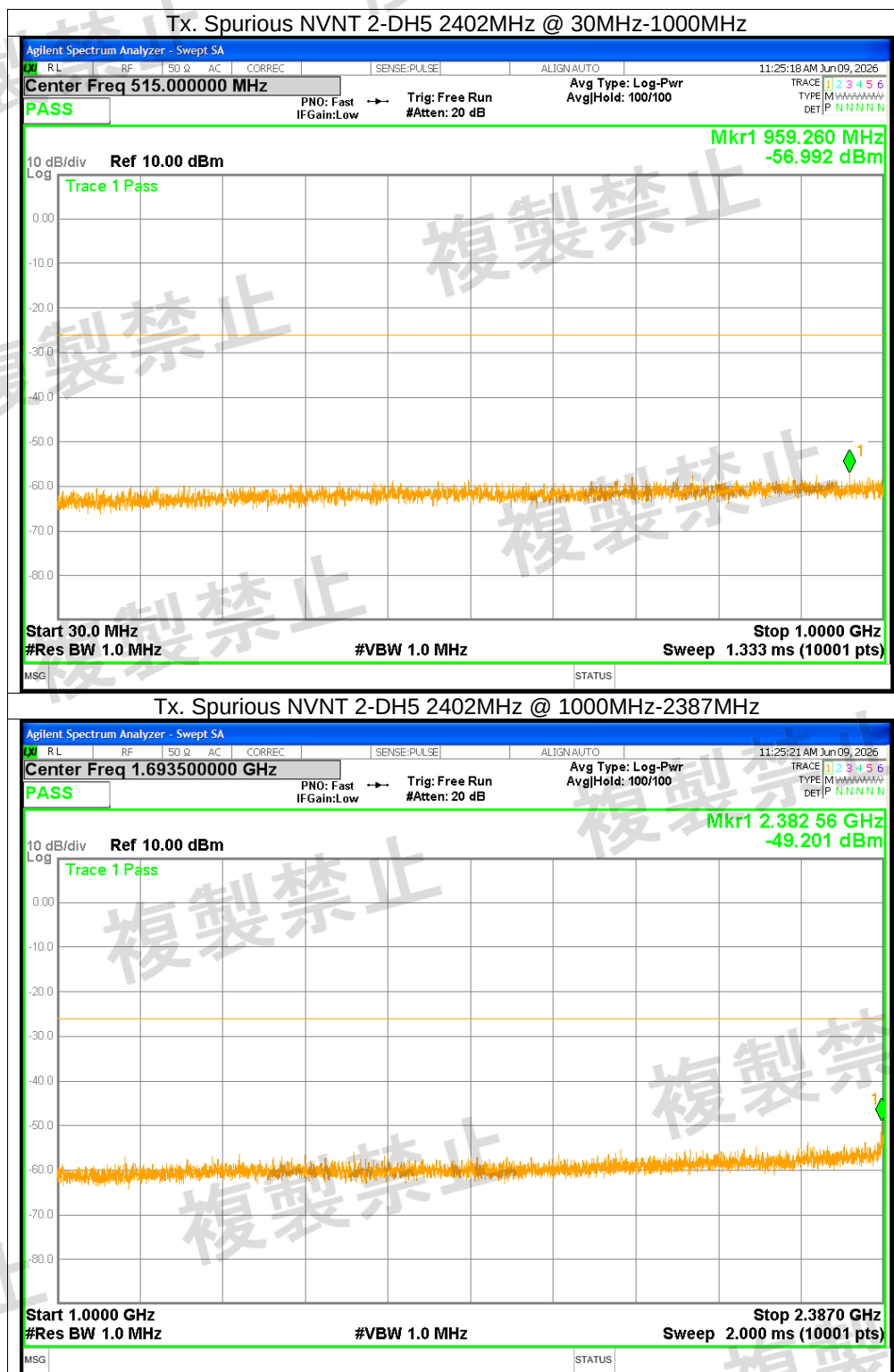


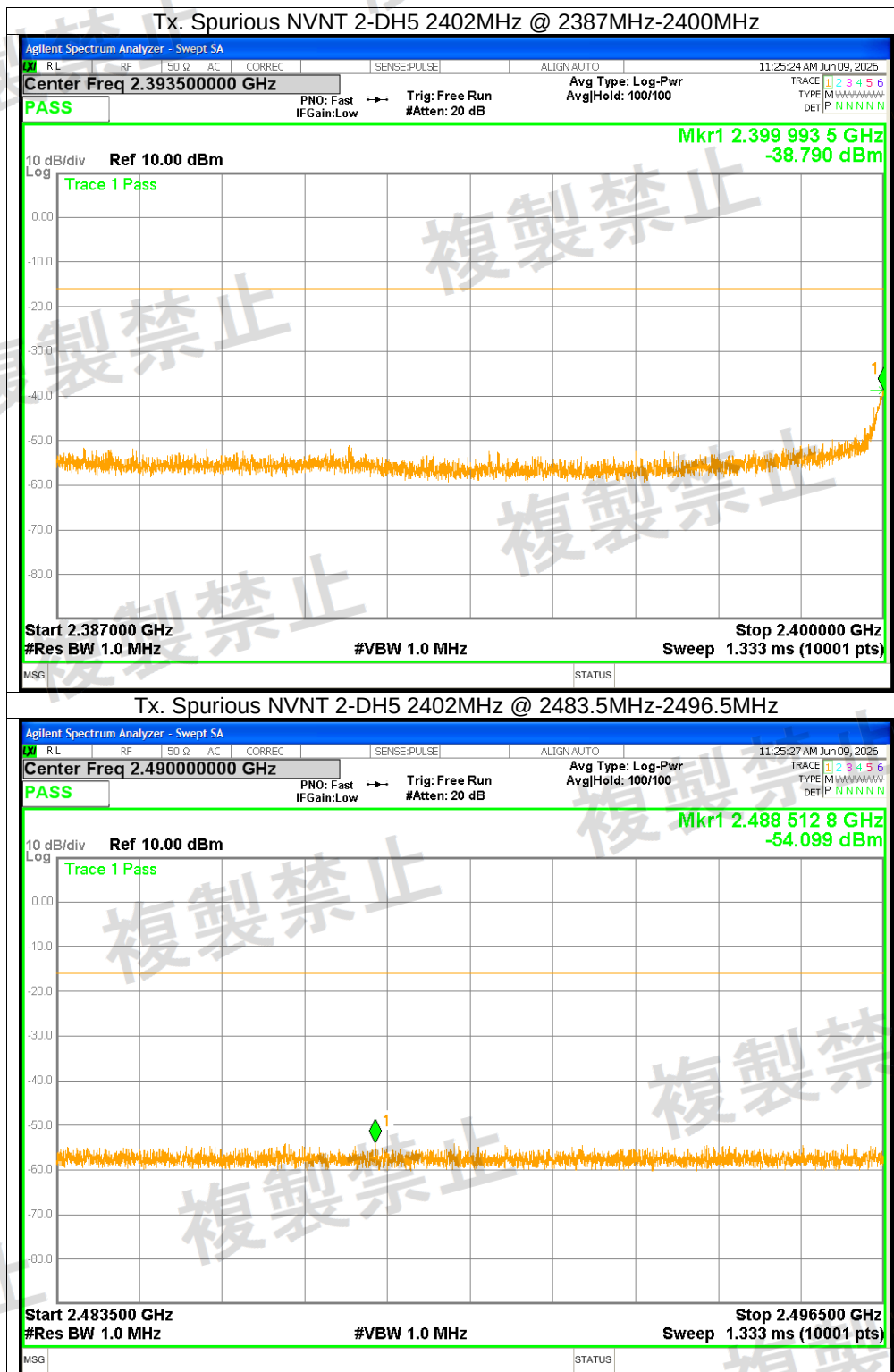


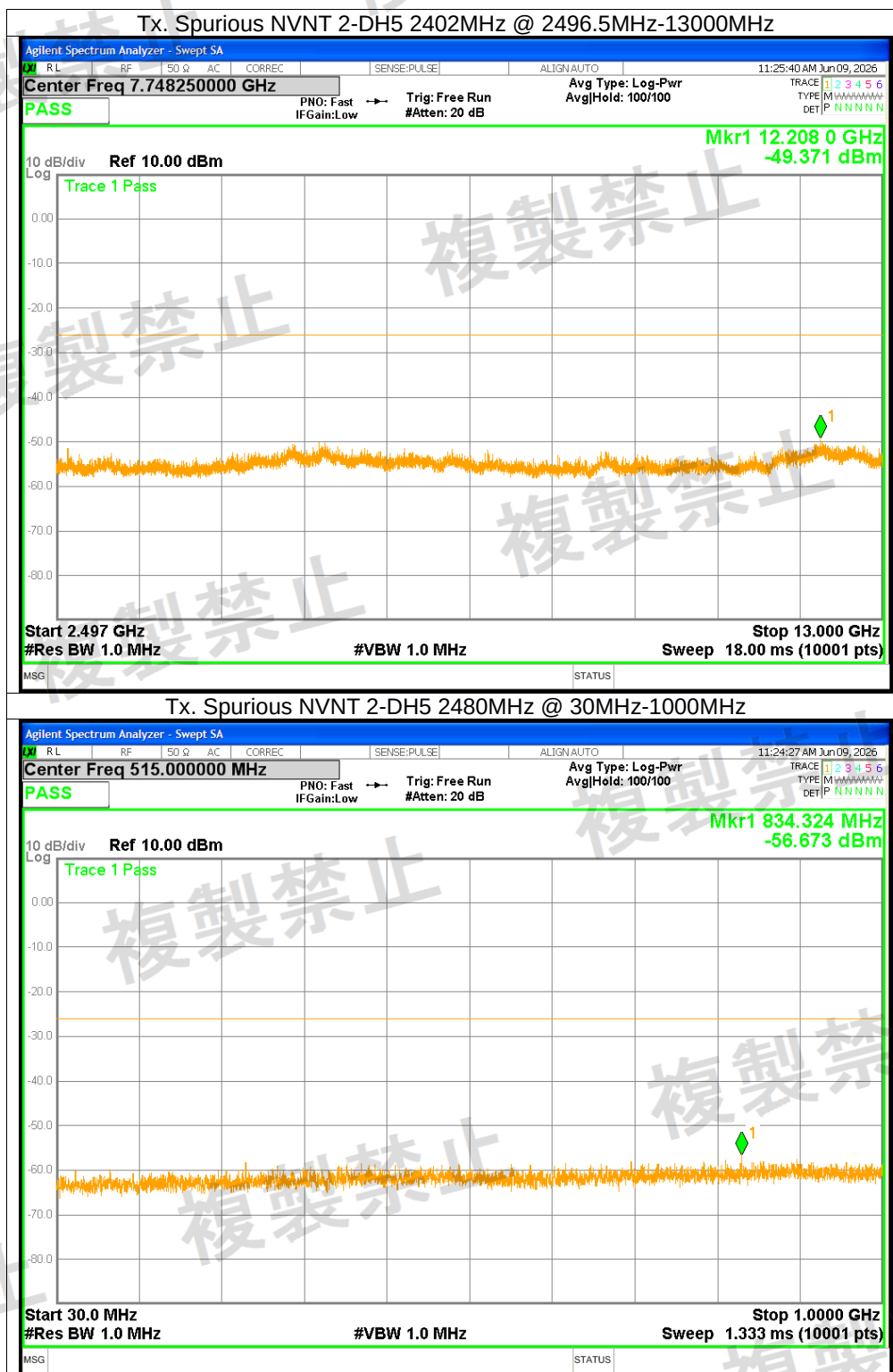


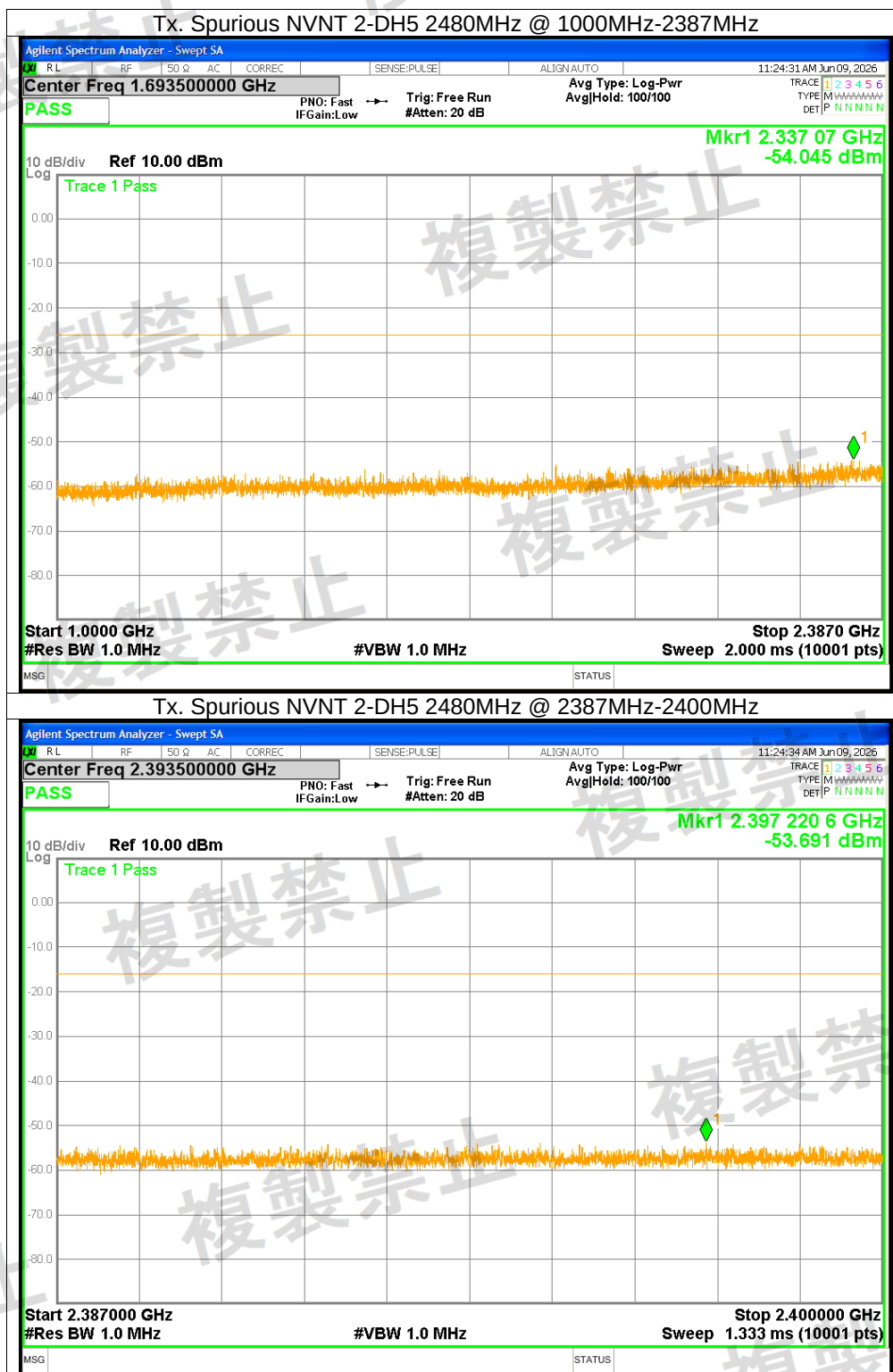


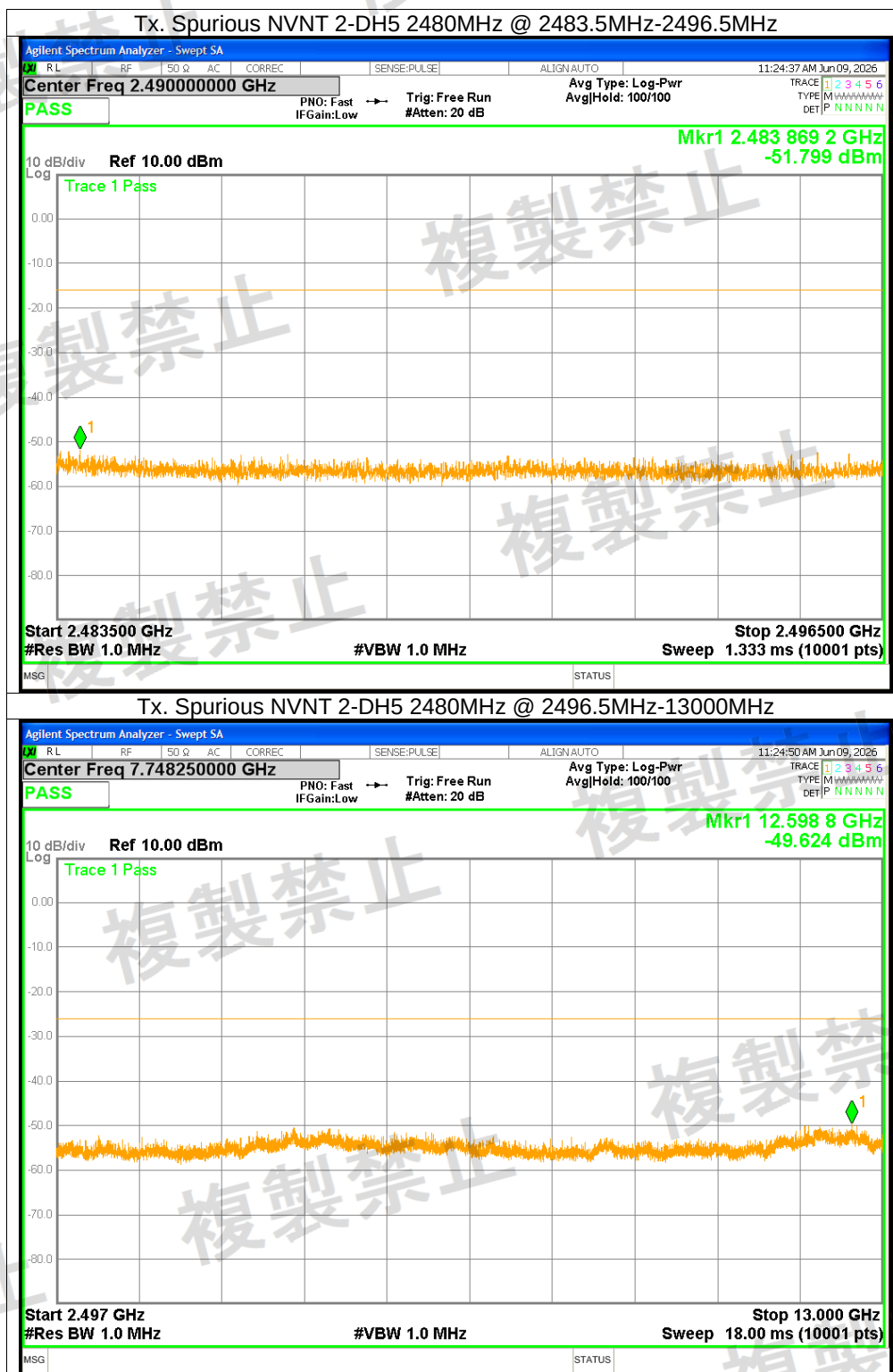


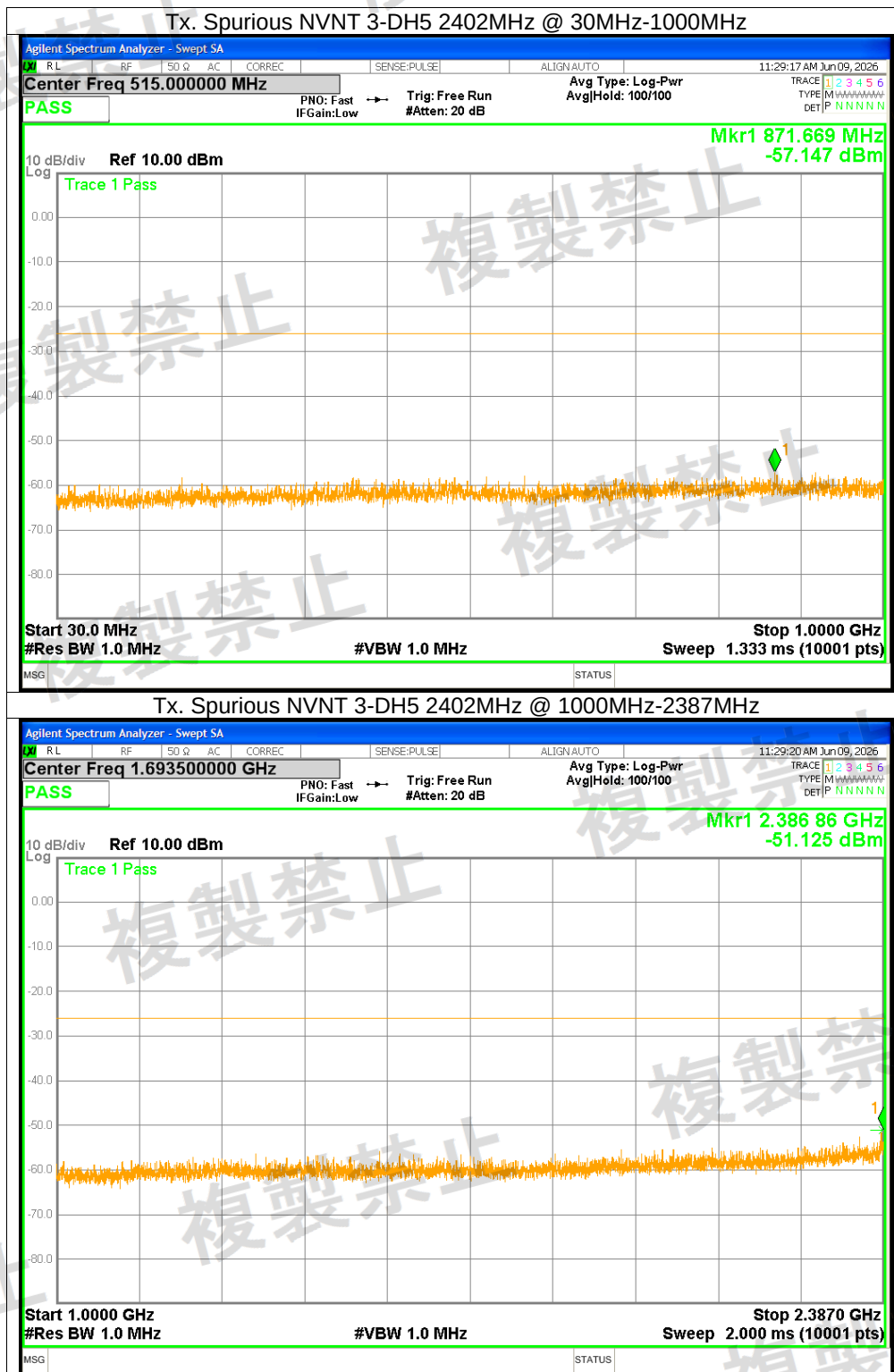


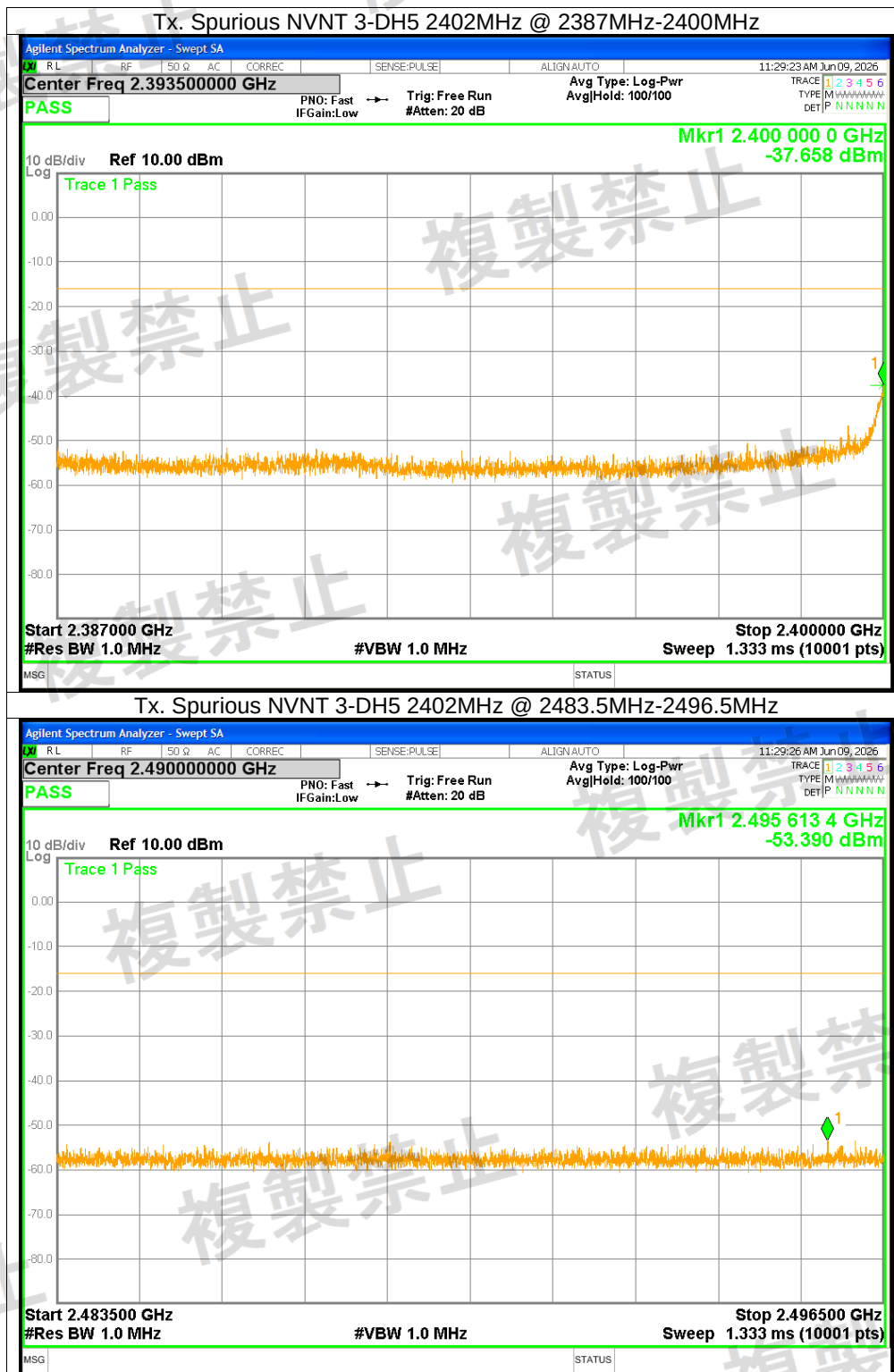


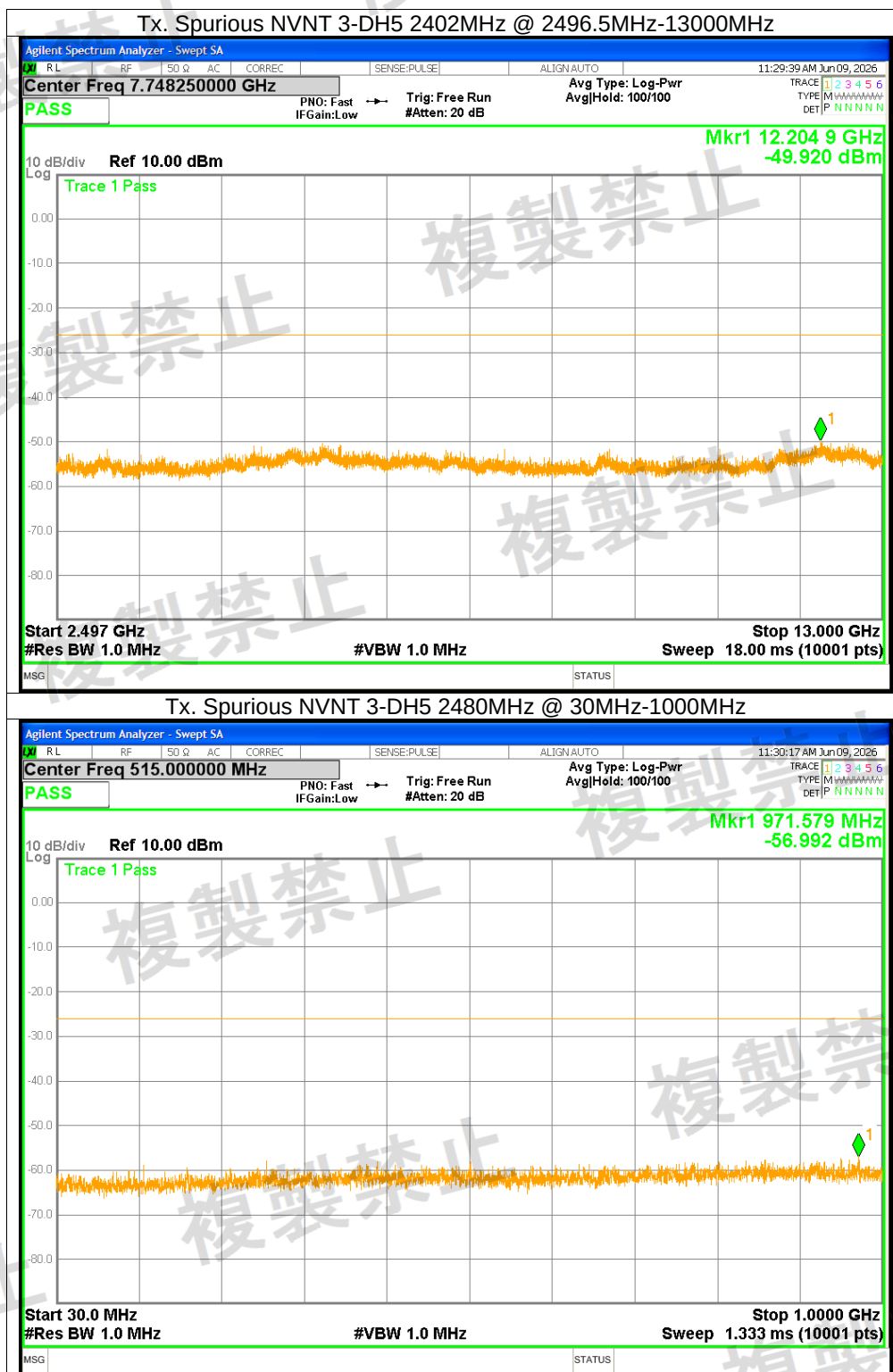


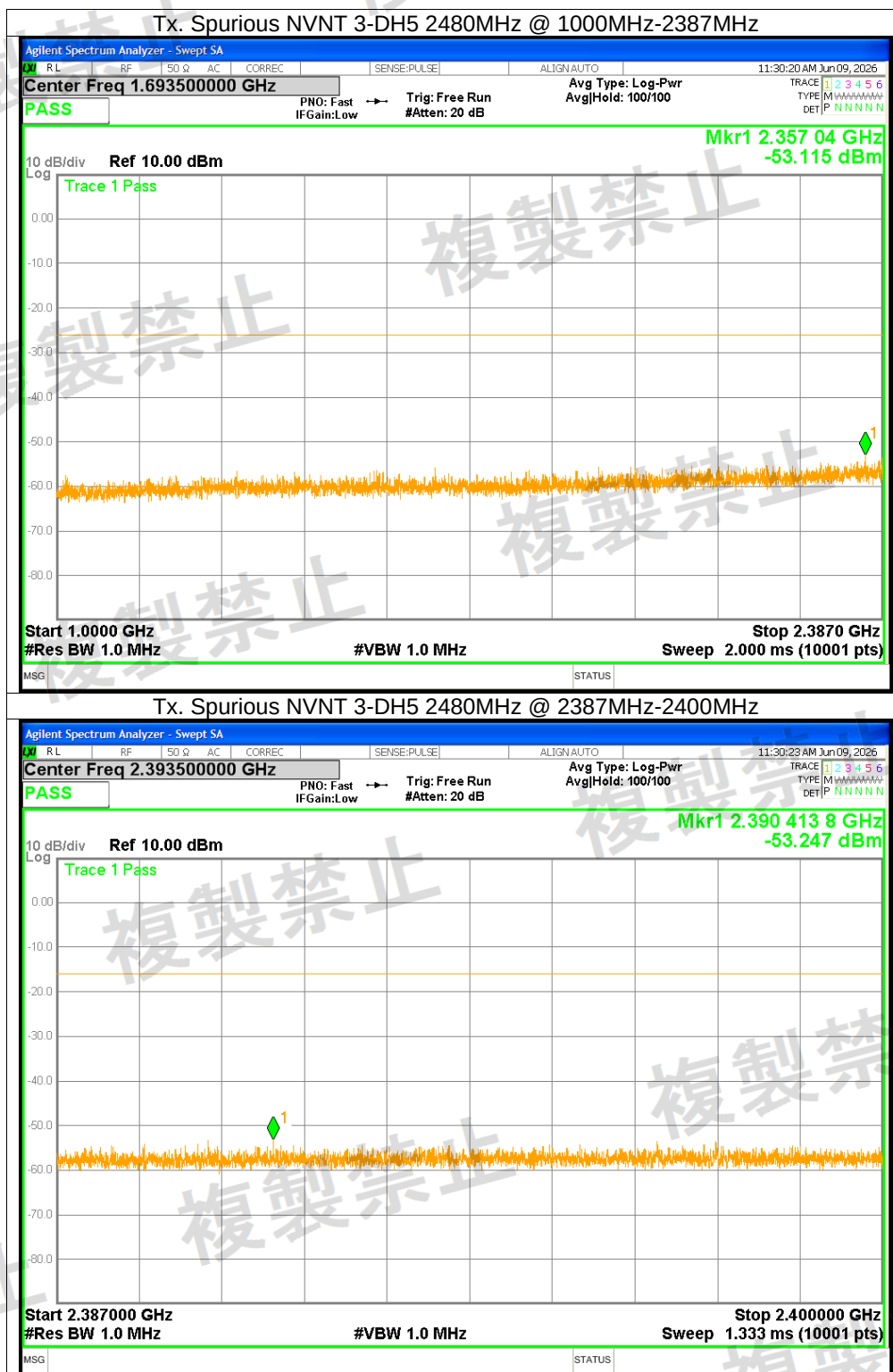


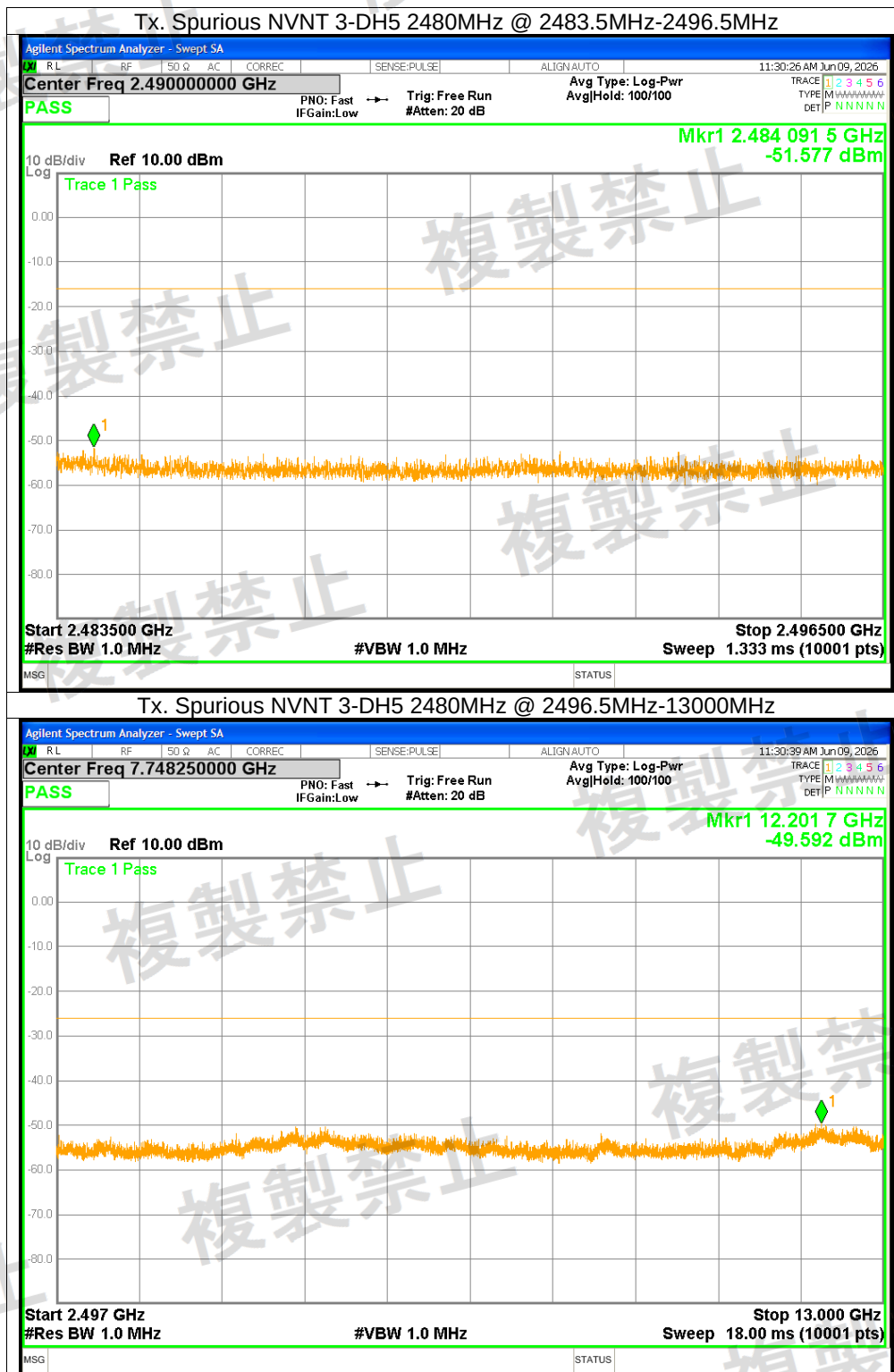








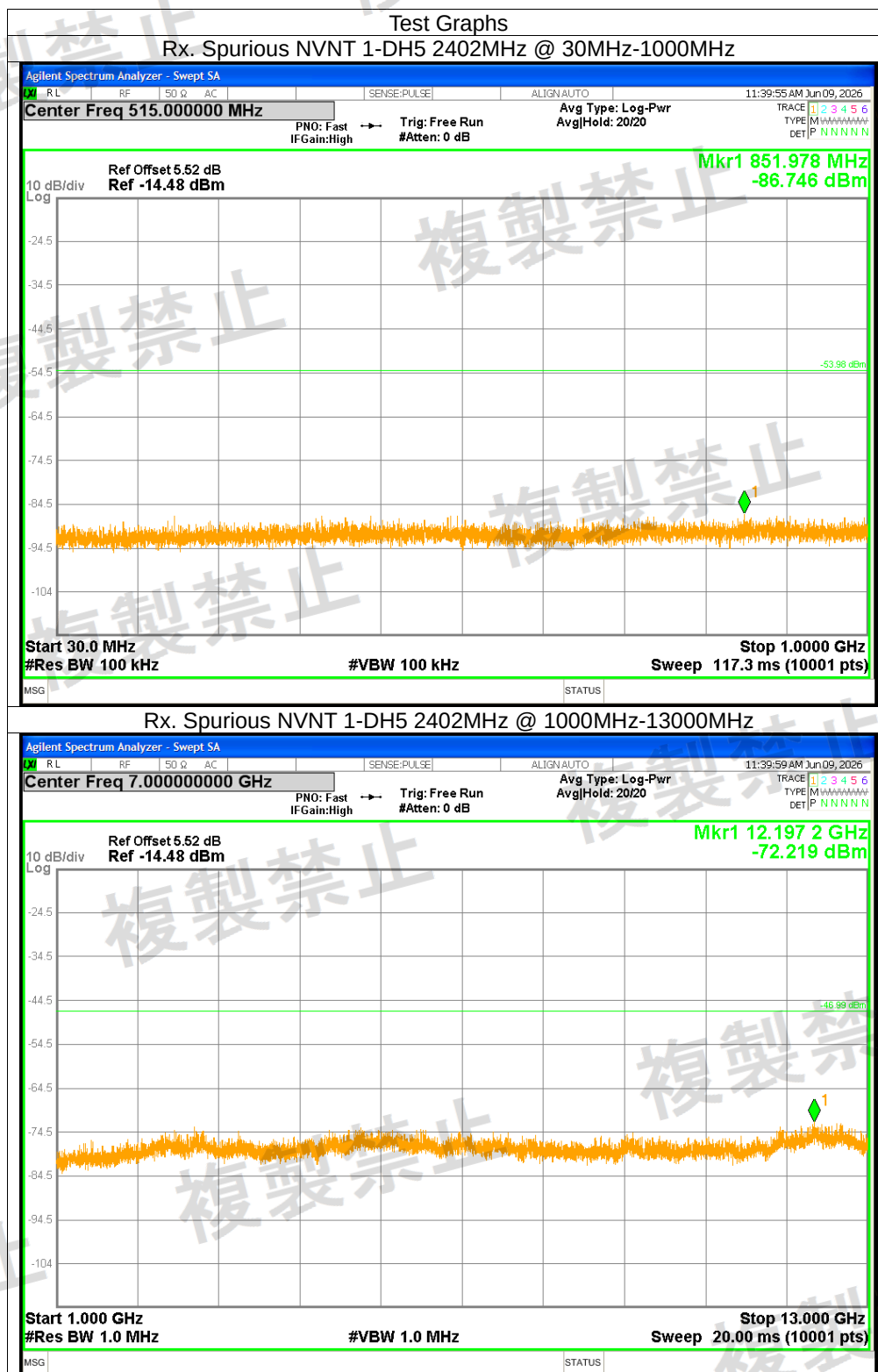


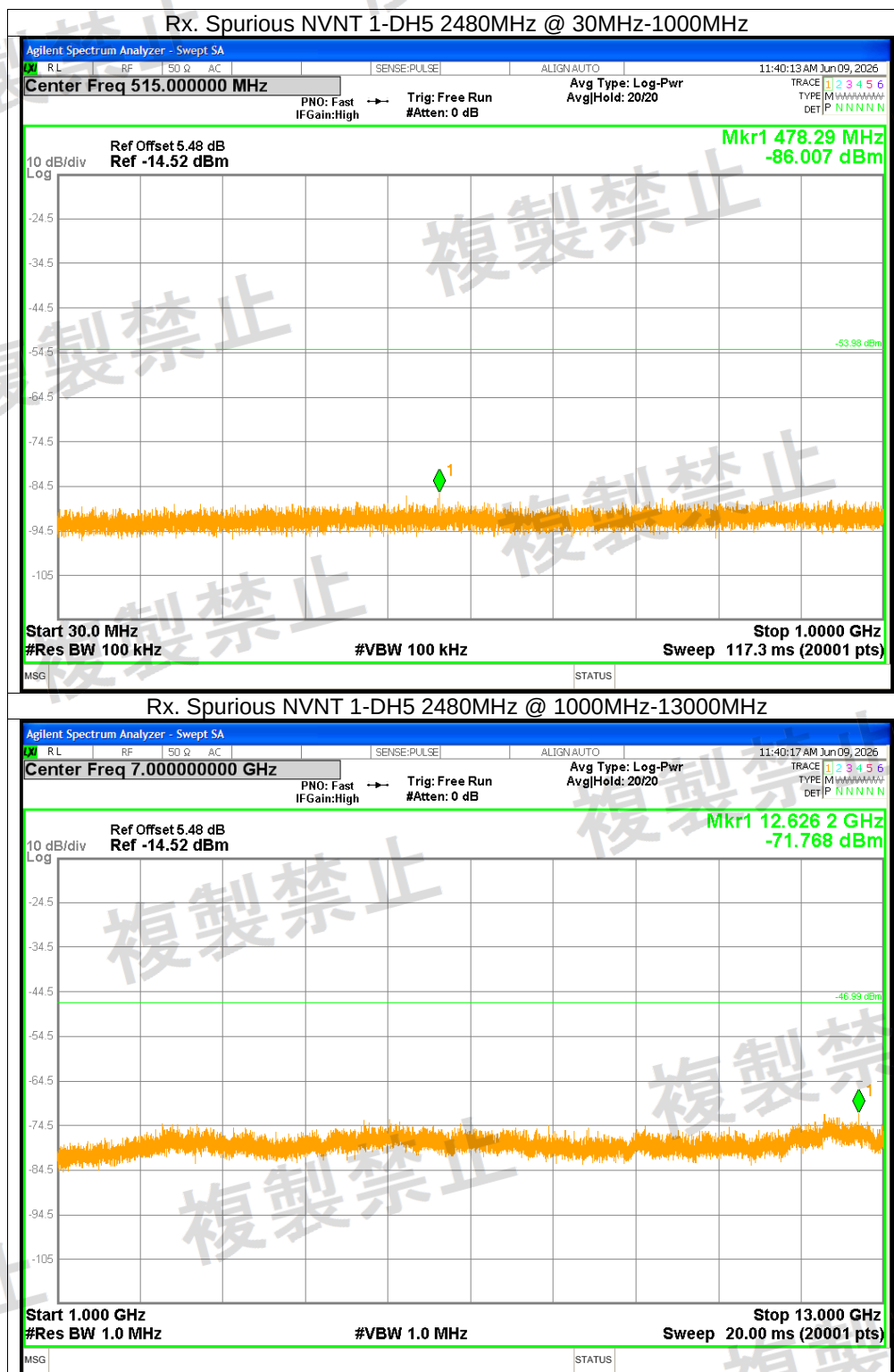


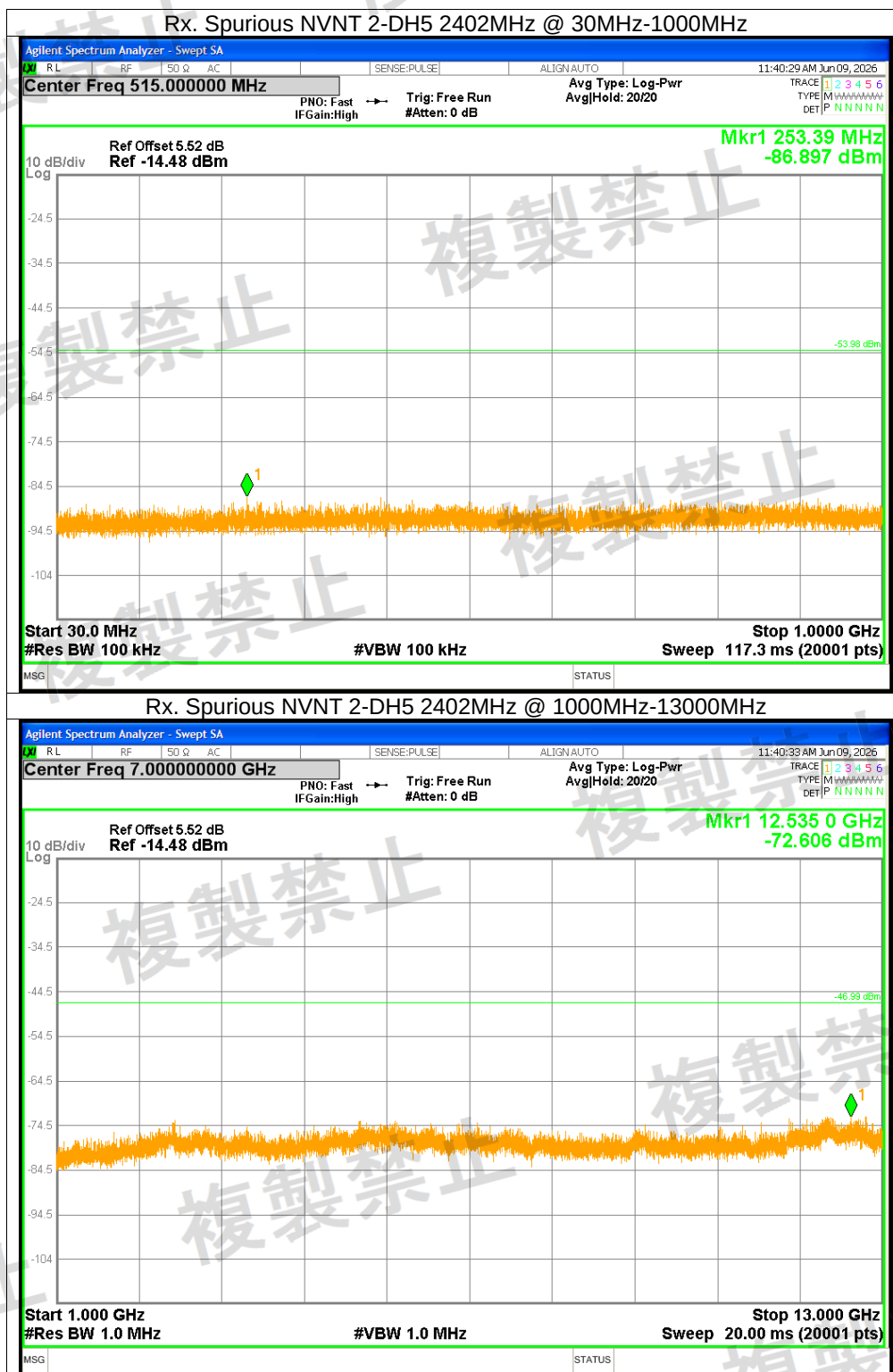


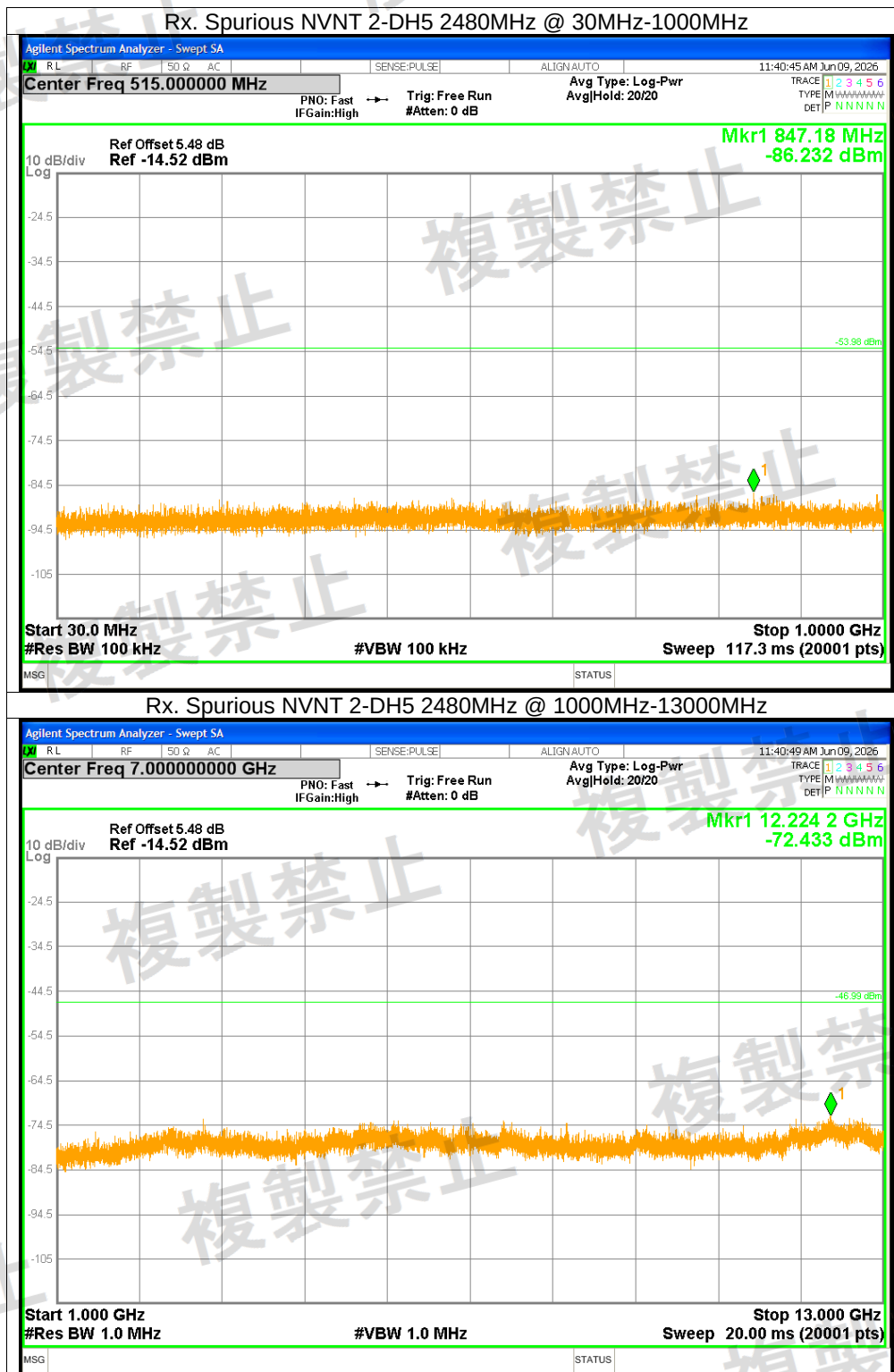
Rx Spurious Emission

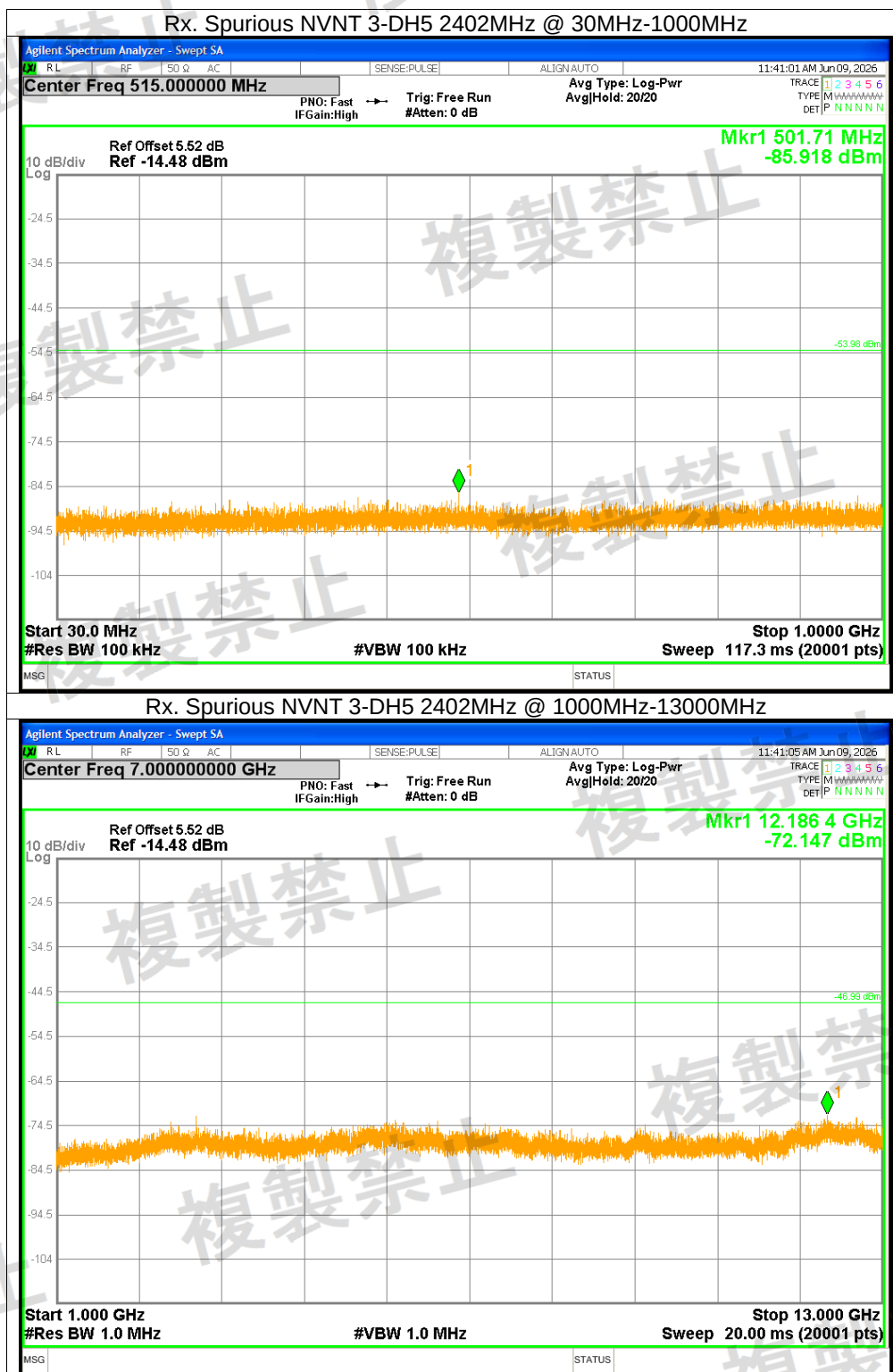
Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	1-DH5	2402	30-1000	851.98	-86.75	0.0021	4	Pass
NVNT	1-DH5	2402	1000-13000	12197.2	-72.22	0.06	20	Pass
NVNT	1-DH5	2480	30-1000	478.29	-86.01	0.0025	4	Pass
NVNT	1-DH5	2480	1000-13000	12626.2	-71.77	0.0665	20	Pass
NVNT	2-DH5	2402	30-1000	253.39	-86.9	0.002	4	Pass
NVNT	2-DH5	2402	1000-13000	12535	-72.61	0.0548	20	Pass
NVNT	2-DH5	2480	30-1000	847.18	-86.23	0.0024	4	Pass
NVNT	2-DH5	2480	1000-13000	12224.2	-72.43	0.0571	20	Pass
NVNT	3-DH5	2402	30-1000	501.71	-85.92	0.0026	4	Pass
NVNT	3-DH5	2402	1000-13000	12186.4	-72.15	0.061	20	Pass
NVNT	3-DH5	2480	30-1000	638.67	-86.99	0.002	4	Pass
NVNT	3-DH5	2480	1000-13000	12601.6	-72.48	0.0565	20	Pass

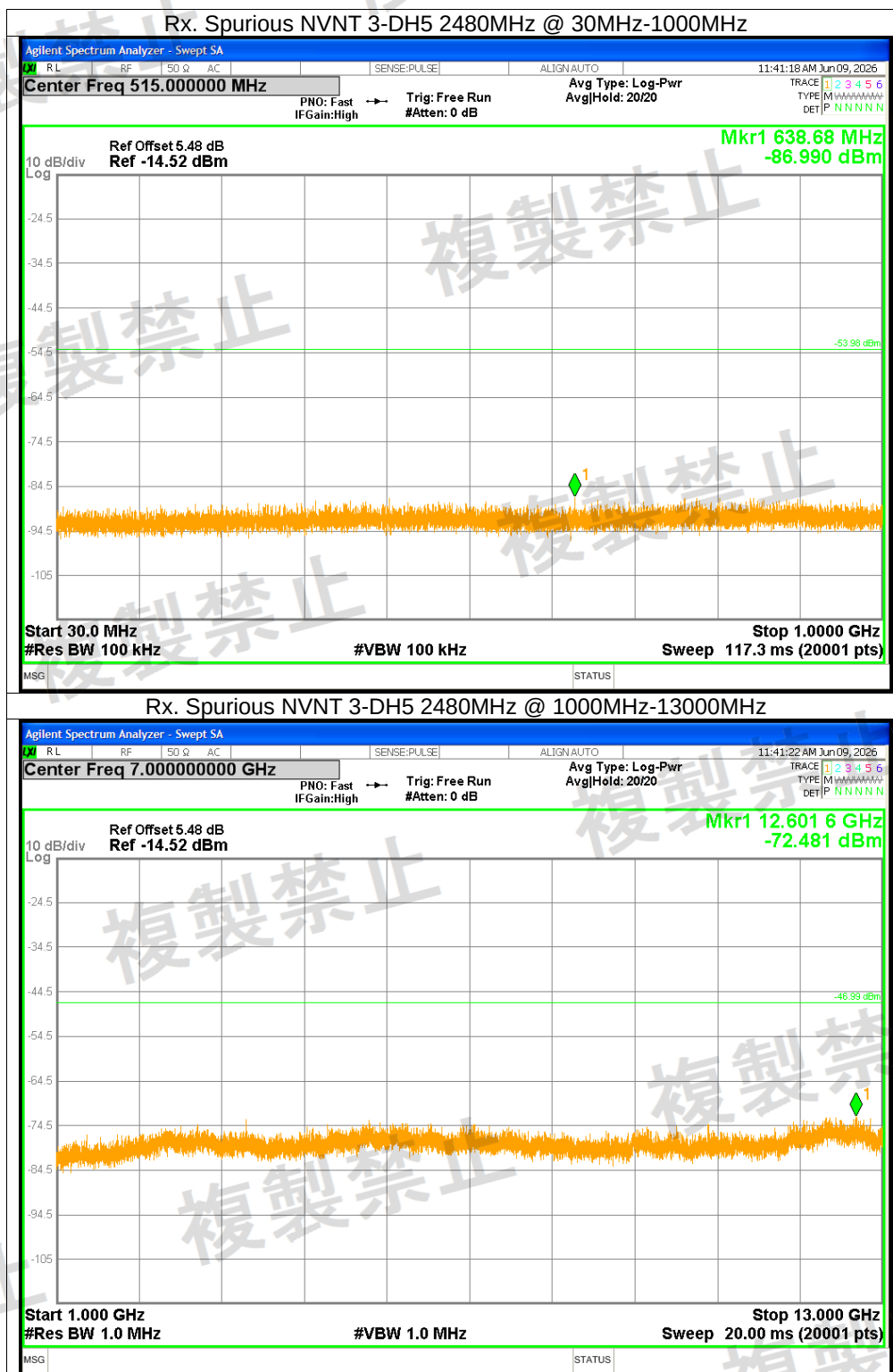














APPENDIX 2-EUT TEST PHOTO

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

※※※※END OF THE REPORT※※※※※