



RADIO TEST REPORT

Article 2 paragraph 1 item (19)

MIC Notice No.88 Appendix No.43

Product : Tablet PC

Trade Mark : Azeyou

Model Name : M17T11

Family Model: AT1101J, AT1002, 1003, 1008, AT1101,
1102, 1103, AT1201, 1202, 1203

Report No. : S24122004801001

Prepared for

Dongguan Lianzhou Electronic Technology Co., Ltd.
Building 1, No. 10, Feng Gang Technology Road, Feng Gang Town,
DongGuan City, GuangDong Province.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
Building 1, 2, 11, 12, No. 24 Xinfu East Road, Xiangshan Community,
Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel. 0755-23200050 Website:<http://www.ntek.org.cn>

TEST RESULT CERTIFICATION

Applicant's name..... Dongguan Lianzhou Electronic Technology Co., Ltd.

Address..... Building 1, No. 10, Feng Gang Technology Road, Feng Gang Town,
DongGuan City, GuangDong Province.

Manufacturer's Name Dongguan Lianzhou Electronic Technology Co., Ltd.

Address..... Building 1, No. 10, Feng Gang Technology Road, Feng Gang Town,
DongGuan City, GuangDong Province.

Test specification:

Standard..... Article 2 paragraph 1 item (19)
MIC Notice No.88 Appendix No.43

Test item description

Product name..... Tablet PC

Trade

Mark..... Azeyou

Model and/or type M17T11, AT1101J, AT1002, 1003, 1008, AT1101, 1102, 1103,
reference AT1201, 1202, 1203

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with MIC requirements. And it is applicable only to the tested sample identified in the report.

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Test Sample Number S241220048001

Date (s) of performance of tests Dec. 24, 2024 ~ Jan. 09, 2025

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Test Result

PassPrepared
By :*Kieron Luo*Kieron Luo
(Project Engineer)Reviewed
By :*Aaron Cheng*Aaron Cheng
(Supervisor)Approved
By :*Alex Li*Alex Li
(Manager)

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Standard	Method	Description of Test	Result
Article 2 paragraph 1 item (19)	MIC Notice No.88 Appendix No.43.3	Frequency Error	Complies
	MIC Notice No.88 Appendix No.43.4	Occupied Bandwidth (99%) and Spread-spectrum ^{Note(4)}	Complies
	MIC Notice No.88 Appendix No.43.5	Unwanted Emission Intensity	Complies
	MIC Notice No.88 Appendix No.43.6	Antenna Power Error	Complies
	MIC Notice No.88 Appendix No.43.7	Limitation of Collateral Emission of Receiver	Complies
	MIC Notice No.88 Annex No.43.10	Transmission Antenna Gain (EIRP Antenna Power)	N/A
	MIC Notice No.88 Annex No.43.11	Transmission Radiation Angle Width (3dB Beamwidth)	N/A
	MIC Notice No.88 Annex No.43.12	Radio Interference Prevention Capability	Complies
	MIC Notice No.88 Appendix No.43.8	Carrier Sense Capability ^{Note(3)}	N/A
	MIC Notice No.88 Appendix No.43.13	Dwell time	Complies
	Note 2	Construction Protection Confirmation	Please refer to Japan Radio Protection Declaration

NOTE:

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

(2) MIC Ordinance Regulating Radio Equipment Section 1.A of Article 49.20.1

(3) Carrier sensing function is not applicable for FHSS device.

(4) Only reported

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add. : Building 1, 2, 11, 12, No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street,
Bao'an District, Shenzhen, Guangdong, China

FCC Registration No.:463705; IC Registration No.:9270A-1

CNAS Registration No.:L5516

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	Conducted Emission Test	$\pm 3.2\text{dB}$
2	Radiated Emission Test	$\pm 4.7\text{dB}$
3	RF power,conducted	$\pm 0.16\text{dB}$
4	Spurious emissions,conducted	$\pm 0.21\text{dB}$
5	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
6	All emissions,radiated(>1G)	$\pm 5.0\text{dB}$
7	Radio Frequency	$\pm 1 \times 10^{-6}$
8	Occupied bandwidth	$\pm 4.7\text{dB}$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet PC	
Trade Mark	Azeyou	
Model Name	M17T11	
Family Model	AT1101J, AT1002, 1003, 1008, AT1101, 1102, 1103, AT1201, 1202, 1203	
Model Difference	All models are the same circuit and RF module, except for model names.	
Product Description	The EUT is a Tablet PC	
	Operation Frequency:	2402~2480 MHz
	Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8-DPSK
	Number Of Channel	79 CH
	Antenna Designation:	FPC Antenna
	Antenna Gain(Peak)	1.78 dBi
Channel List	Please refer to the Note 2.	
Adapter	Model: TEKA-UCA20JP	
	Input: 100-240V~ 50/60Hz 0.35A MAX Output: 5.0V---2.0A	
Battery	DC 3.8V, 8000mAh	
Rating(s)	DC 3.8V from battery or DC 5V from adapter	
Hardware Version	T30-T616-V2.0-230725-LU	
Software Version	Android 15	

Note:

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

2.

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		

2.2 DESCRIPTION OF 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 CH39 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH39 CH78)
Mode 3	8-DPSK (CH00 CH39 CH78)

For Radiated Emission	
Final Test Mode	Description
Mode 1	GFSK(CH00 CH39 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH39 CH78)
Mode 3	8-DPSK (CH00 CH39 CH78)

2.3 TEST CONDITIONS

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
DC Power	DC 3.8V	DC 4.18V	DC 3.42V
RF Chip	DC 3.3V	DC 3.3V	DC 3.3V

NOTE:

Voltage Variation (%)

= (Output high or Low Voltage - Output Normal Voltage) / Output Normal Voltage * 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, +/- 10% of the external power change, will not affect the voltage of the RF, so only operated in normal voltage to test all regulations.

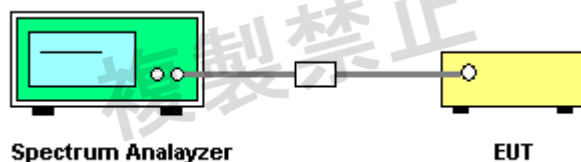
2.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software Version	Test program: N/A		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters	DEF	DEF	DEF

2.5 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Mode :



2.6 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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	Model/Type No.	Series No.	Note
E-1	Tablet PC	M17T11	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

2.7 EQUIPMENTS LIST FOR ALL TEST ITEMS**Test equipment**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	SPECTRUM ANALYZER	AGLIENT	E4440A	MY41000130	2024.04.26	2025.04.25	1 Year
2	SPECTRUM ANALYZER	AGILENT	N9020A	MY49100060	2024.04.25	2025.04.24	1 Year
3	TEST RECEIVER	R&S	ESPI7	101318	2024.04.26	2025.04.25	1 Year
4	50Ω COAXIAL SWITCH	ANRITSU	MP59B	6200983705	2024.04.26	2027.04.25	3 Year
5	HORN ANTENNA	SCHWARZBECK	BBHA 9120 D	2816	2024.05.18	2027.05.17	3 Year
6	HORN ANT	SCHWARZBECK	BBHA 9170	9170-181	2024.05.12	2027.05.11	3 Year
7	PRE-AMPLIFIER	EMC	EMC0518 35SE	980246	2024.04.25	2025.04.24	1 Year
8	POWER METER	DARE	RPR3006 W	15100041SN O84	2024.04.25	2025.04.24	1 Year
9	TEMPORARY ANTENNA CONNECTOR (NOTE)	NTS	R001	N/A	N/A	N/A	N/A

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFTtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	raditeq	RadiMation	2023.1.3	RadiatedTest
4	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

3. FREQUENCY ERROR

3.1 LIMIT

Item	Limits
Frequency Error	±50ppm

3.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

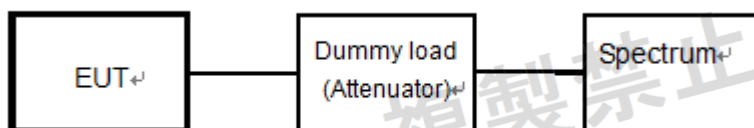
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz/30KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.3 TEST PROCEDURES

- (1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.
- (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.

3.4 TEST SETUP LAYOUT



3.4.1 TEST RESULT

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Operation Mode:	TX CH 00/CH 39/CH 78		

Test data reference attachment

4. ANTENNA POWER

4.1 LIMIT

Modulation	Frequency band	Antenna power	Max EIRP		Antenna power Tolerance
			Non-directional	Beam directional I_{Note1}	
DS	2,400-2,483.5 MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz	+20% No lower limit
OFDM1 _{Note 2}	2,400-2,483.5 MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz	
OFDM2	2,400-2,483.5 MHz	5mW/MHz	9.13dBm/MHz	19.13dBm/MHz	
FH,DS-FH, FH-OFDM	2,400-2,483.5 MHz	3mW/MHz	6.91dBm/MHz	16.91dBm/MHz	
	2,427-2,470.7 5MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz	
Other than those above	2,400-2,483.5 MHz	10mW	12.14dBm	22.14dBm	

Note 1: The half-value angle of the beam directivity must be less than $360 \div A$ degrees. A shall be the rate at which the EIRP exceeds the upper limit of the omnidirectional EIRP.

Note 2: OFDM 1 in the modulation method column indicates that the occupied frequency band width is 26 MHz or less, and OFDM 2 indicates the occupied frequency bandwidth exceeding 26 MHz and 40 MHz or less.

4.2 TEST SETUP LAYOUT



4.3 TEST DEVIATION

There is no deviation with the original standard.

4.4 TEST DEVIATION

There is no deviation with the original standard.

4.5 TEST RESULT

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Operation Mode:	GFSK/ π /4-DQPSK/ 8-DPSK TX CH 00/CH 39/CH 78		

Test data reference attachment

5. OCCUPIED BANDWIDTH (99%)**5.1 LIMIT**

Item	Limits
Occupied Band Width:	FH $\leq$ 83.5MHz; OFDM1,DS $\leq$ 26MHz; 26MHz $\leq$ OFDM 40MHz system $\leq$ 40MHz.; Others $\leq$ 26MHz
Spreading Bandwidth:	N/A

5.2 TEST PROCEDURES

Conditions of Application Equipment (EUT)

The modulation state shall be "continuous frequency-hopping mode" by spread spectrum.

Spectrum Analyzer Conditions

Span: 120MHz

RBW: 100 kHz

VBW: 100 kHz

Sweep time: Auto(Minimum time to ensure measurement accuracy.)

Log scal : 10dB/Div

Data points : 400 points or more

Reference level: Enough level for maximum dynamic range

Detection: Positive Peak, Sweep mode: Continuous

5.3 TEST RESULT

Test data reference attachment

6. UNWANTED EMISSION INTENSITY MEASUREMENT

6.1 LIMIT

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

6.2. MEASURING INSTRUMENTS AND SETTING

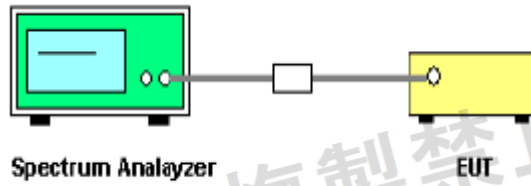
Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

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

6.3. TEST PROCEDURES

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as:
RB:1MHz / VB:1MHz / AT: 10dB Ref: 0dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Average
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 2.5μW.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5μW.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25μW.
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 25μW
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5μW
8. Measure side band spurious as follows: For 2.4GHz band: 2374MHz~2400MHz and 2483.5MHz~2509.5MHz RBW = VBW = 30kHz, Result_Value = Measured_Value + 15.2 [dBm]
9. 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.

6.4. TEST SETUP LAYOUT



6.5. TEST DEVIATION

There is no deviation with the original standard.

6.6. TEST RESULT

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Operation Mode:	TX for GFSK, $\pi/4$ -DQPSK, 8-DPSK; Normal Voltage		

Test data reference attachment

7. DWELL TIME

7.1 LIMIT

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

7.2 MEASURING INSTRUMENTS AND SETTING

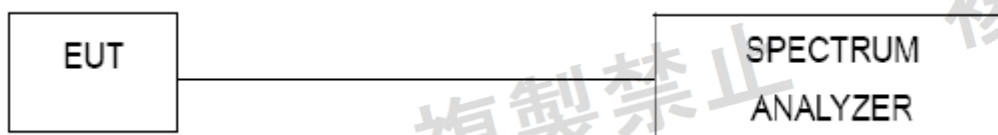
Please refer to section 5 in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	3 MHz
VB	3 MHz
Detector	Peak
Trace	Max Hold
Sweep	Continuous

7.3 TEST PROCEDURES

- The transmitter output (antenna port) was connected to the spectrum analyzer
- Set RBW of spectrum analyzer to 3MHz and VBW to 3MHz.
- 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 DH5, DH3 and DH1 packet transmitting.
- Measure the maximum time duration of one single pulse.
- Dwell time = $[\text{spreading rate}/79] \times \text{duty-cycle} \times 0.4 \text{ seconds}$. (to be determined for each mode, DH1, DH3, DH5)

7.4 TEST SETUP LAYOUT



7.5 TEST RESULT

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Test Mode:	GFSK / $\pi/4$ -DQPSK/ 8-DPSK		

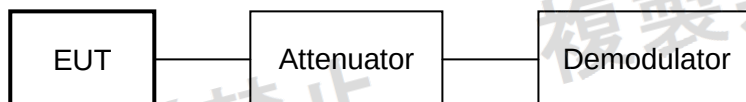
Test data reference attachment

8. CARRIER SENSE

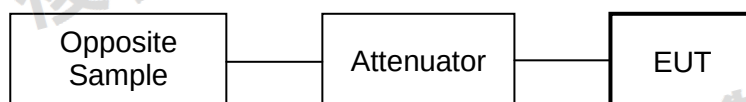
Not applicable, Carrier sensing function is not applicable for FHSS device.

9. INTERFERENCE PREVENTION FUNCTION

9.1 IN CASE IDENTIFICATION CODE IS TRANSMITTED



9.2 IN CASE IDENTIFICATION CODE IS RECEIVED



9.3 MEASURING EQUIPMENT CONDITIONS

- The Demodulator shall demodulate the TX-signal transmitted by the EUT and be able to display the contents of the identification code.
- The opposite sample shall be able to transmit TX-signal equivalent to the TX-signal transmitted by the EUT.

9.4 CONDITIONS OF EUT

The EUT is set on the usual operating mode.

9.5 MEASUREMENT PROCEDURE

- In case the EUT possesses function to transmit identification code automatically
 - Predetermined identification code is transmitted by the EUT.
 - Verify the transmitted identification code.
- In case the EUT possesses function to receive identification code automatically
 - Predetermined identification code is transmitted by the opposite sample.
 - Verify the working of the normal communication.
 - Other code than the predetermined identification code is transmitted by the opposite sample.
 - Verify the EUT to stop transmitting or to display that the ID code is different.

Radio interface prevention function

	Normal voltage	Low voltage	High voltage
Result	OK	N/A	N/A

Mac address: 17:29:88:c8:45:a7

Result: OK

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 MEASURING INSTRUMENTS AND SETTING

Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

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	Average
Trace	Max Hold
Sweep Time	Auto

10.3 TEST PROCEDURES

- EUT have the continuous reception mode and fixed only one channelize.
- 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: Average / Trace mode: Max hold
- 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
- 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
- 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.

10.4 TEST RESULT

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Operation Mode:	GFSK / $\pi/4$ -DQPSK/ 8-DPSK		

Test data reference attachment

11. EIRP ANTENNA POWER MEASUREMENT

11.1 LIMIT

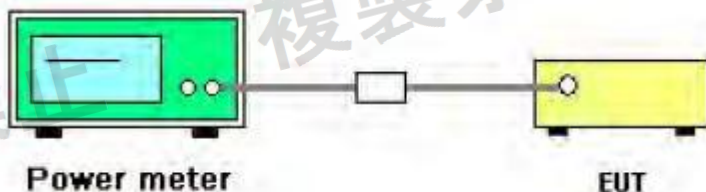
Modulation	Frequency band	Antenna power	Max EIRP	
			Non-directional	Beam directional ^{Note1}
DS	2,400-2,483.5MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz
OFDM1 ^{Note2}	2,400-2,483.5MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz
OFDM2	2,400-2,483.5MHz	5mW/MHz	9.13dBm/MHz	19.13dBm/MHz
FH,DS-FH,FH-O FDM	2,400-2,483.5MHz	3mW/MHz	6.91dBm/MHz	16.91dBm/MHz
	2,427-2,470.75MHz Z	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz
Other than those above	2,400-2,483.5MHz	10mW	12.14dBm	22.14dBm

Note 1: The half-value angle of the beam directivity must be less than $360 \div A$ degrees. A shall be the rate at which the EIRP exceeds the upper limit of the omnidirectional EIRP.

Note 2: OFDM 1 in the modulation method column indicates that the occupied frequency band width is 26 MHz or less, and OFDM 2 indicates the occupied frequency bandwidth exceeding 26 MHz and 40 MHz or less.

Note 3: This test item will not be applied to the transmission antenna which has a gain of 2.14dBi or less.

11.2 MEASURING INSTRUMENTS AND SETTING



11.3 TEST DEVIATION

There is no deviation with the original standard.

11.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.5 RESULTS OF TRANSMISSION ANTENNA GAIN

EUT :	Tablet PC	Model:	M17T11
Temperature:	25°C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	DC 3.8V
Operation Mode:	GFSK / $\pi/4$ -DQPSK/ 8-DPSK		

Test data reference attachment

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

12.1 LIMIT

Item	Limits
3dB antenna beam width	$360/A$ (If $A < 1$; then $A = 1$) $A = \{\text{EIRP Power [mW]} / 16.36 \text{ for DS, OFDM}\}$ or $A = \{\text{EIRP Power [mW]} / 4.9 \text{ for FH}\}$
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	

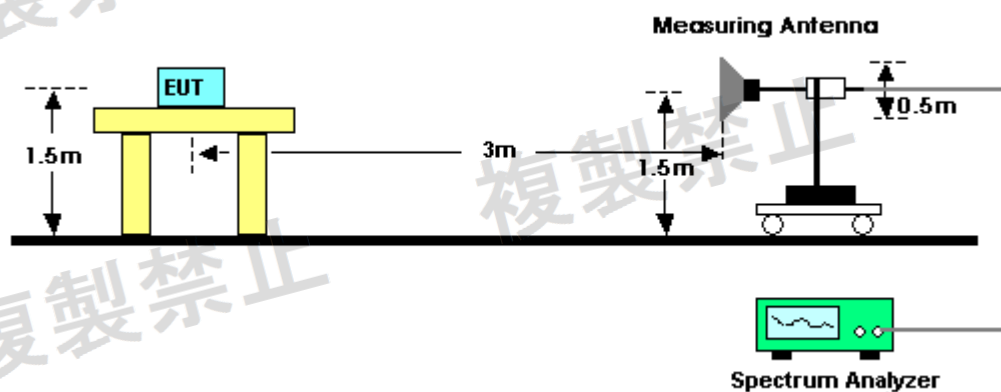
12.2 MEASURING INSTRUMENTS AND SETTING

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

12.3 TEST PROCEDURES

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 4.7.2 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. The output level at the spectrum analyzer is read as "E"
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 $A = 1$).
 $A = \{\text{EIRP Power [mW]} / 16.36 \text{ for DS, OFDM}\}$ or
 $A = \{\text{EIRP Power [mW]} / 4.9 \text{ for FH}\}$

12.4 TEST SETUP LAYOUT



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 continuously transmitting mode.

12.7 TEST RESULT OF TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH)

EUT :	Tablet PC	Model:	M17T11
Temperature:	25 ⁰ C	Pressure :	1012 hPa
Humidity:	55 % RH	Test Voltage	N/A
Operation Mode:	N/A		

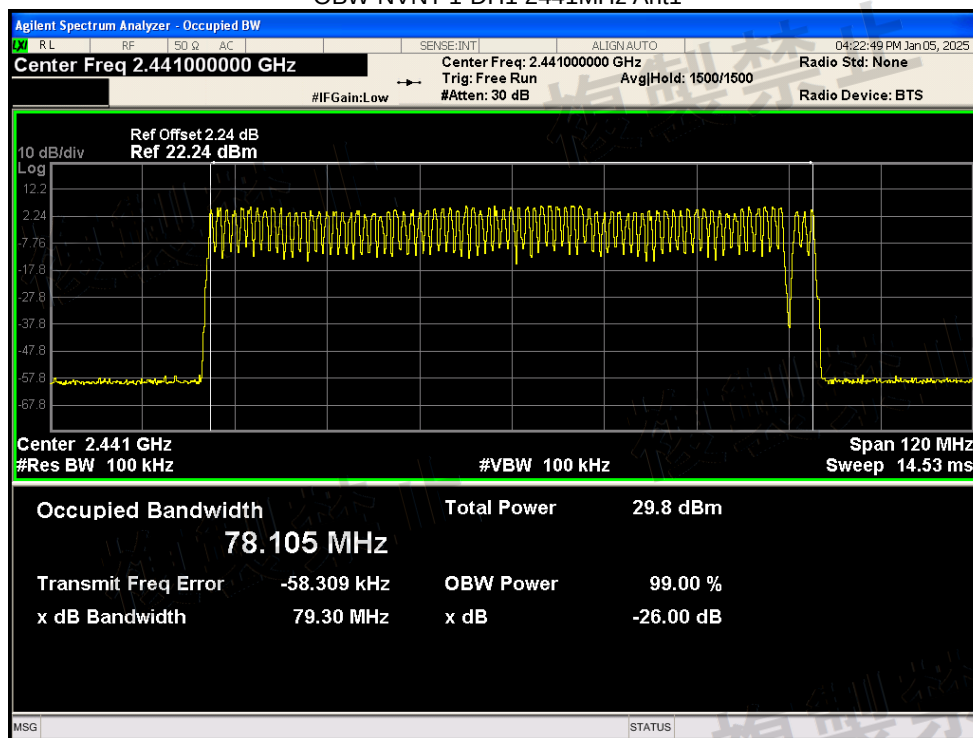
Note: This item is not applicable, when EIRP power is lower than the limit of 6.91dBm/MHz.

13. TEST RESULTS

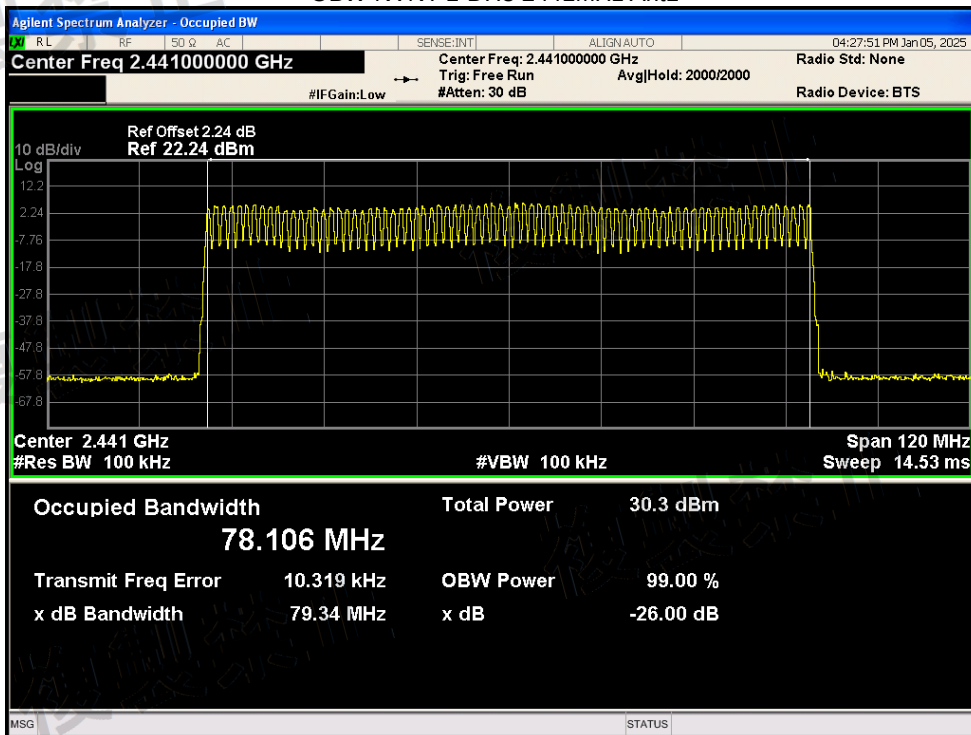
13.1 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2441	Ant1	78.105
NVNT	1-DH3	2441	Ant1	78.106
NVNT	1-DH5	2441	Ant1	78.179
NVNT	2-DH1	2441	Ant1	78.09
NVNT	2-DH3	2441	Ant1	78.199
NVNT	2-DH5	2441	Ant1	78.128
NVNT	3-DH1	2441	Ant1	78.203
NVNT	3-DH3	2441	Ant1	78.162
NVNT	3-DH5	2441	Ant1	78.317

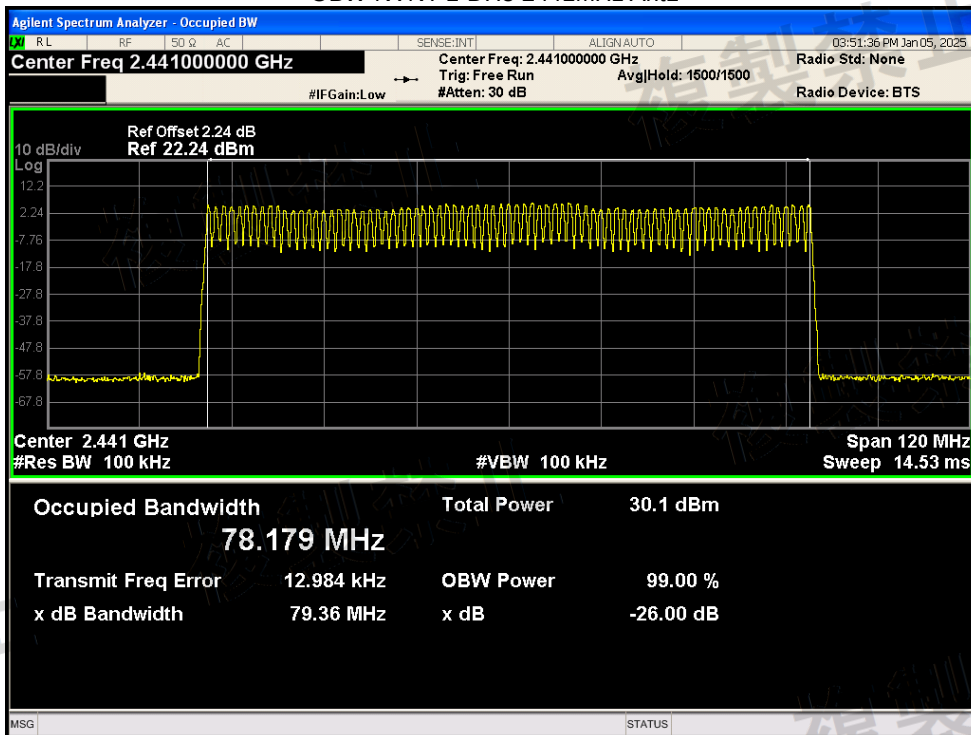
OBW NVNT 1-DH1 2441MHz Ant1



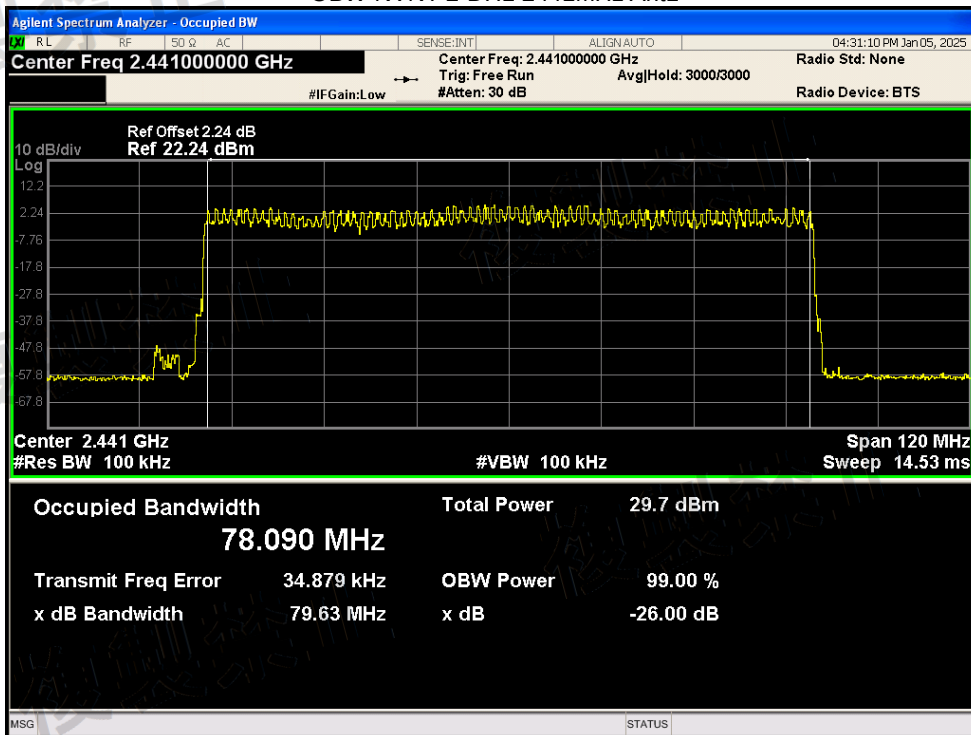
OBW NVNT 1-DH3 2441MHz Ant1



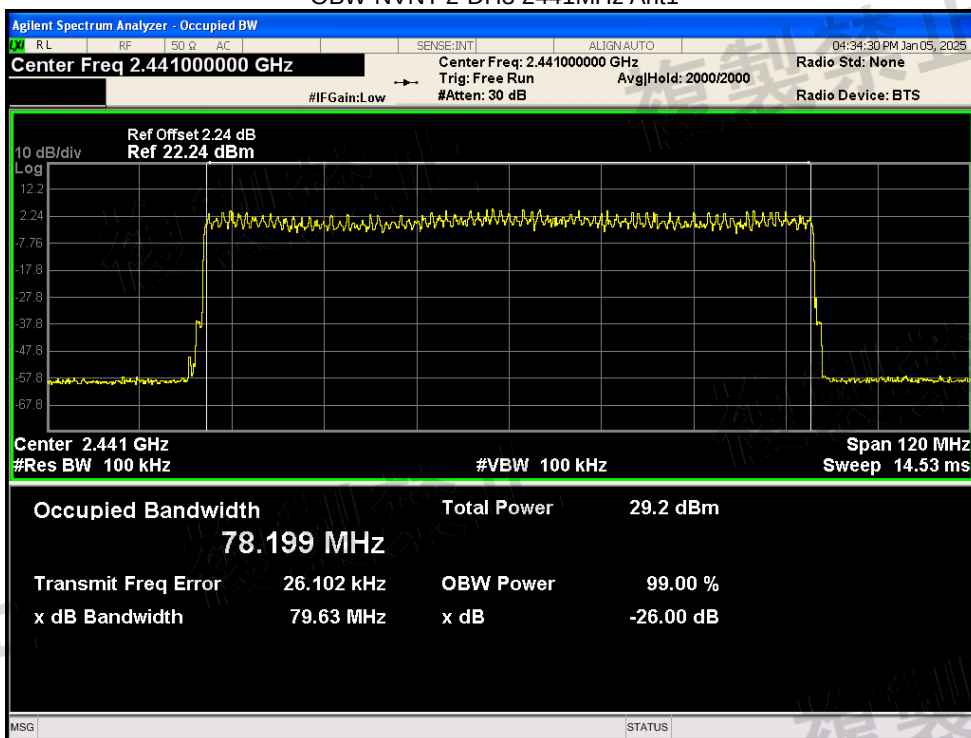
OBW NVNT 1-DH5 2441MHz Ant1



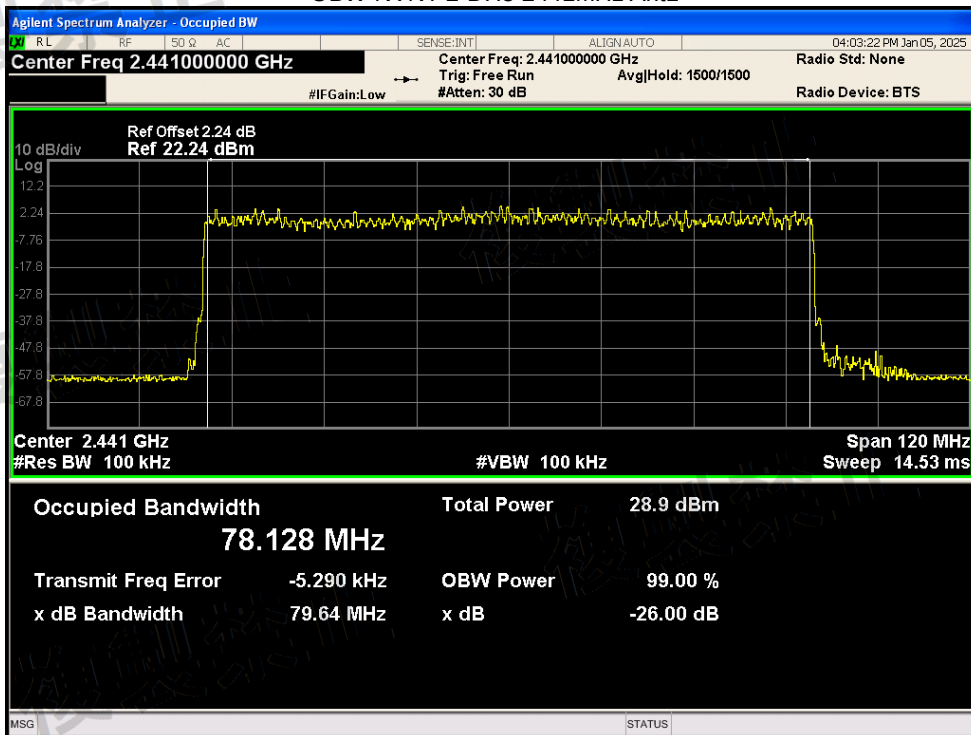
OBW NVNT 2-DH1 2441MHz Ant1



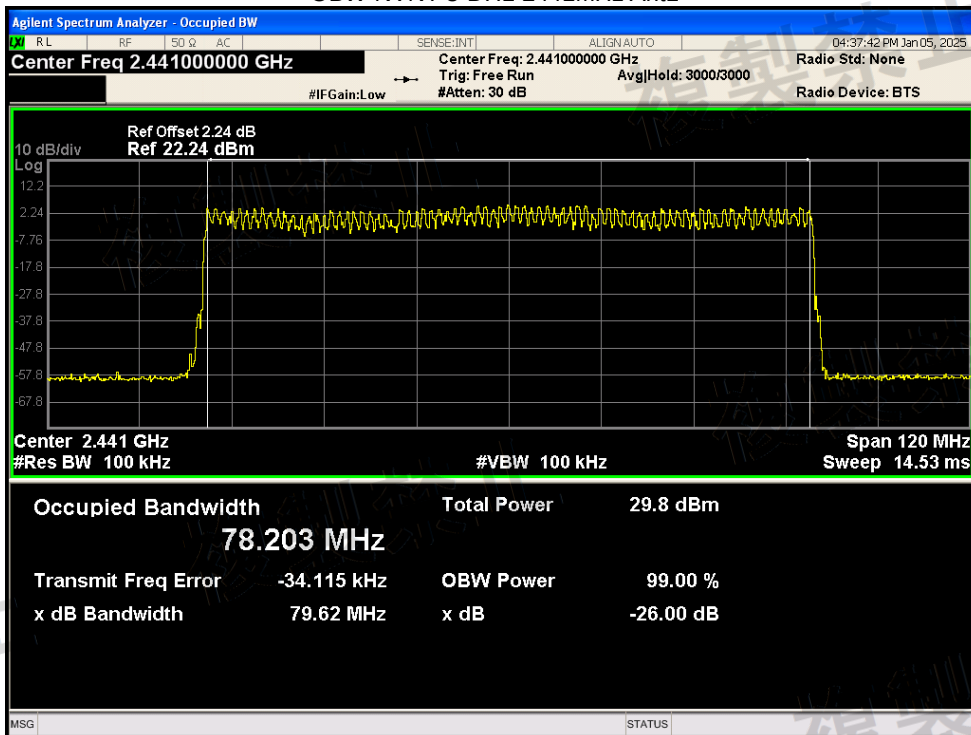
OBW NVNT 2-DH3 2441MHz Ant1



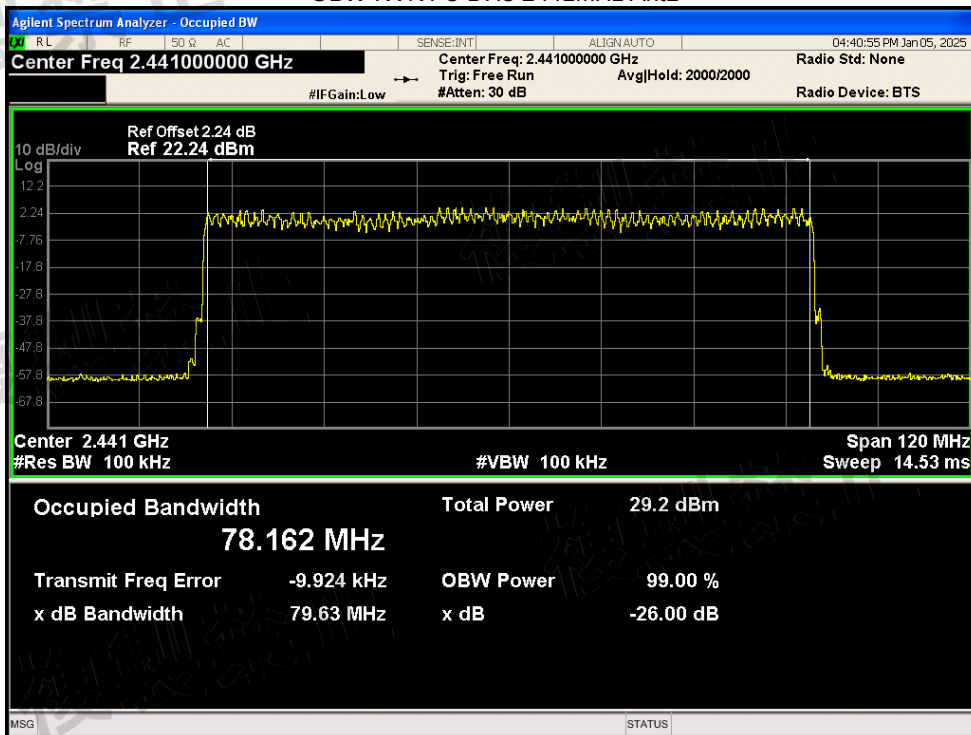
OBW NVNT 2-DH5 2441MHz Ant1



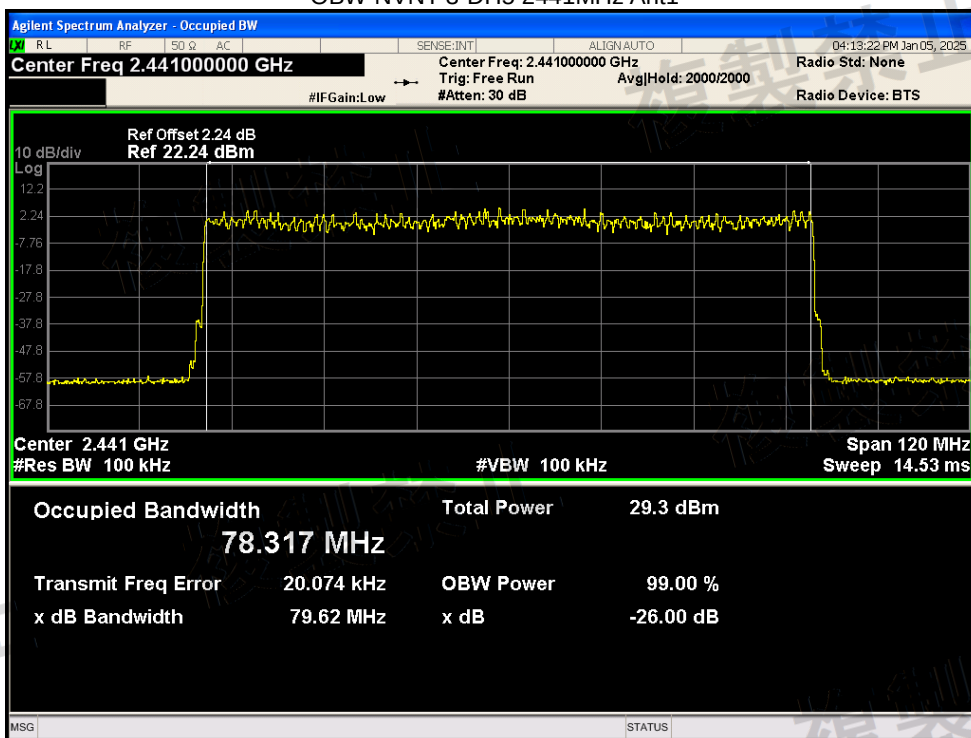
OBW NVNT 3-DH1 2441MHz Ant1



OBW NVNT 3-DH3 2441MHz Ant1



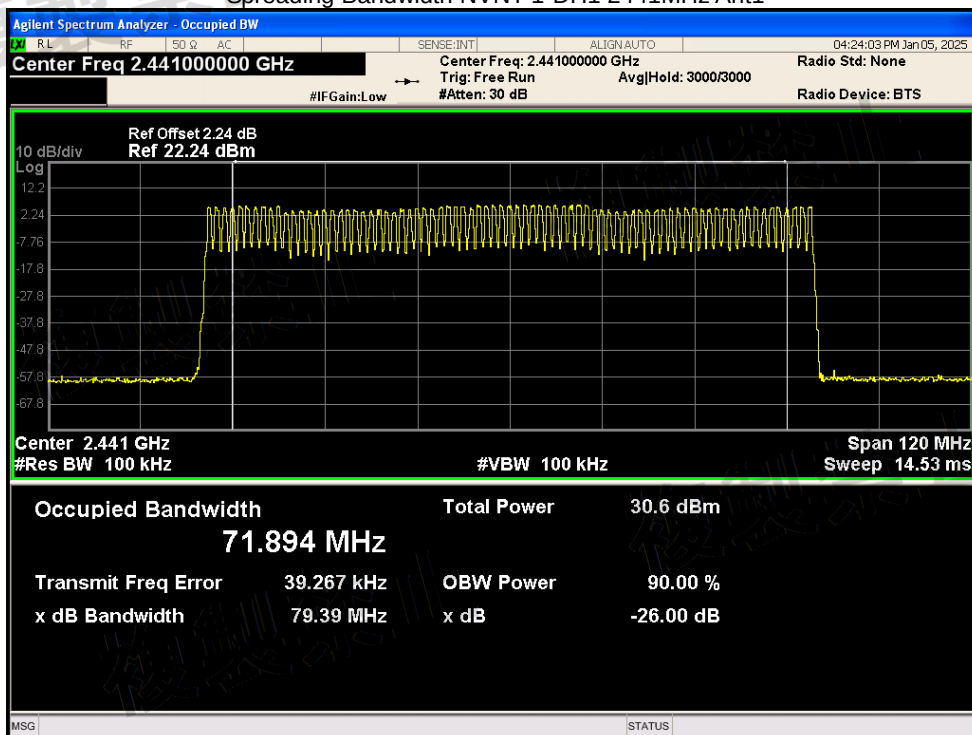
OBW NVNT 3-DH5 2441MHz Ant1



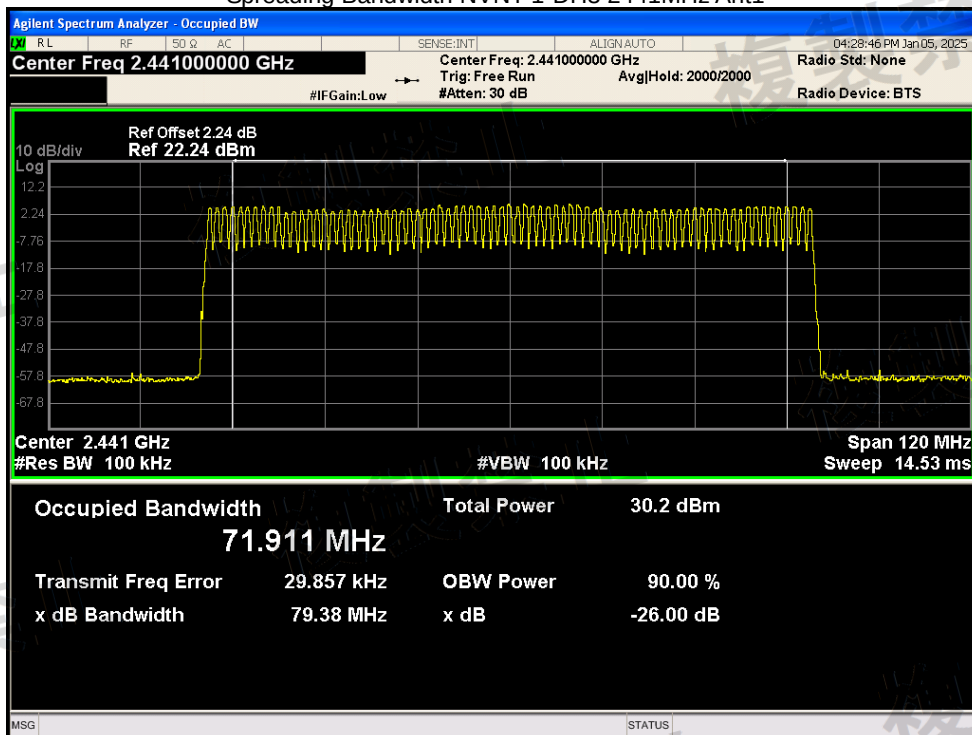
13.2 SPREADING BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Spreading Factor	Limit (MHz)	Verdict
NVNT	1-DH1	2441	Ant1	71.894	71.89	0.5	Pass
NVNT	1-DH3	2441	Ant1	71.911	71.91	0.5	Pass
NVNT	1-DH5	2441	Ant1	71.708	71.71	0.5	Pass
NVNT	2-DH1	2441	Ant1	71.898	71.90	0.5	Pass
NVNT	2-DH3	2441	Ant1	71.735	71.74	0.5	Pass
NVNT	2-DH5	2441	Ant1	71.36	71.36	0.5	Pass
NVNT	3-DH1	2441	Ant1	70.93	70.93	0.5	Pass
NVNT	3-DH3	2441	Ant1	71.431	71.43	0.5	Pass
NVNT	3-DH5	2441	Ant1	71.602	71.60	0.5	Pass

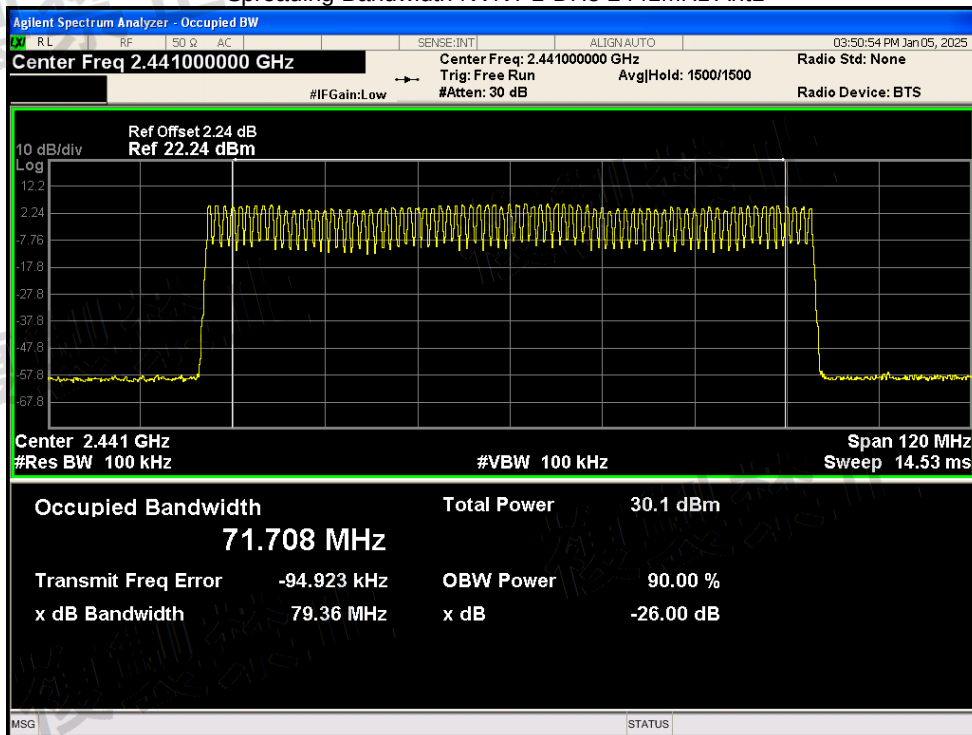
Spreading Bandwidth NVNT 1-DH1 2441MHz Ant1



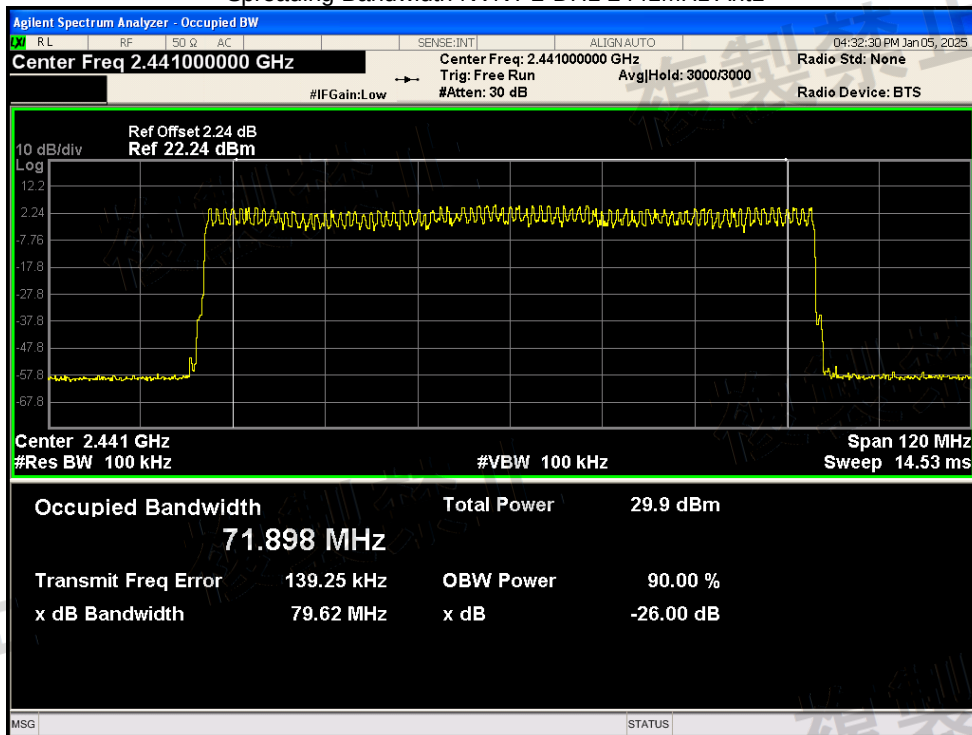
Spreading Bandwidth NVNT 1-DH3 2441MHz Ant1



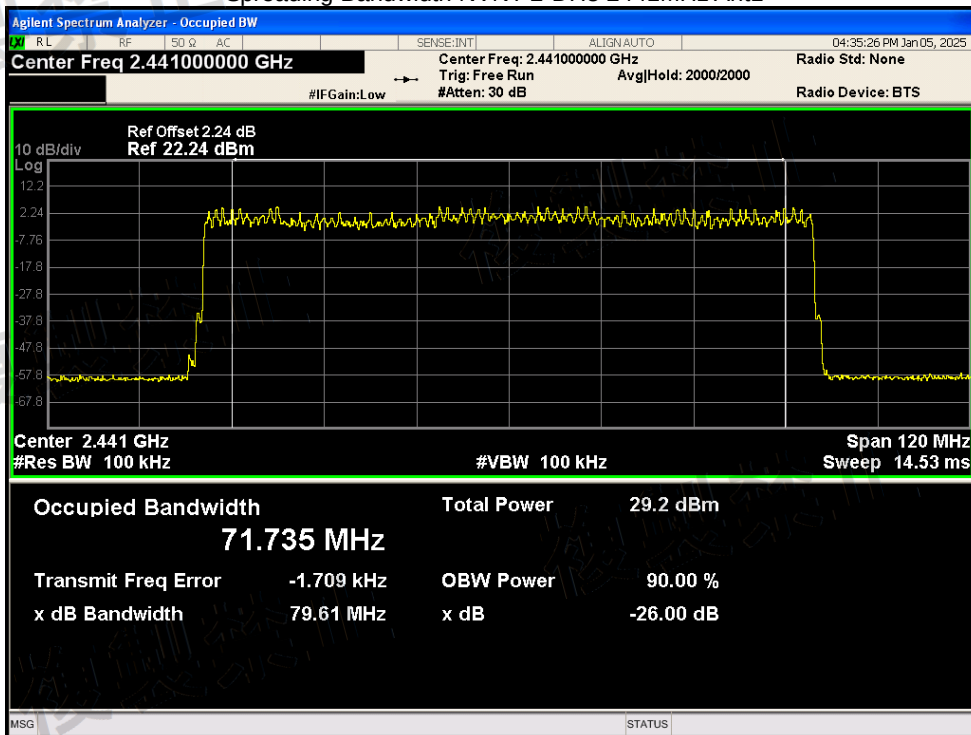
Spreading Bandwidth NVNT 1-DH5 2441MHz Ant1



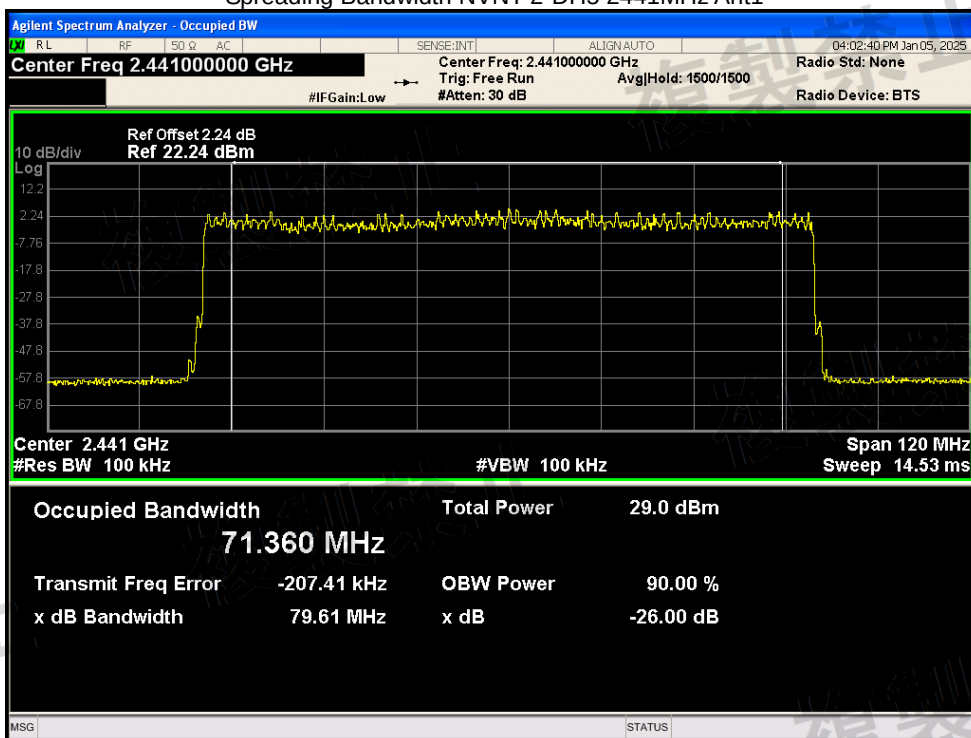
Spreading Bandwidth NVNT 2-DH1 2441MHz Ant1



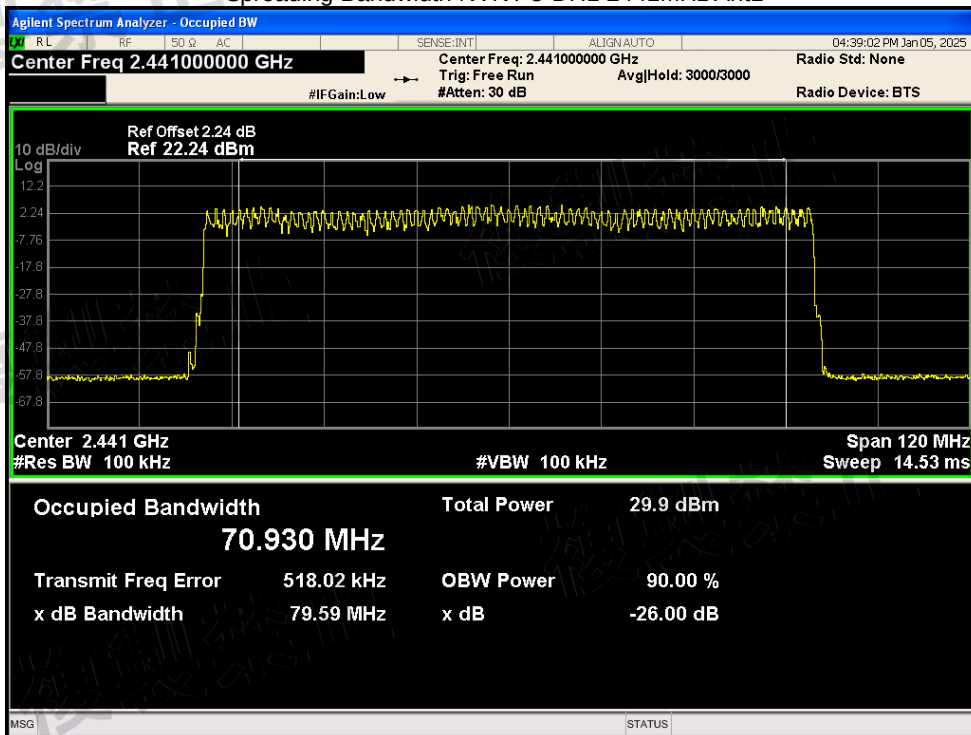
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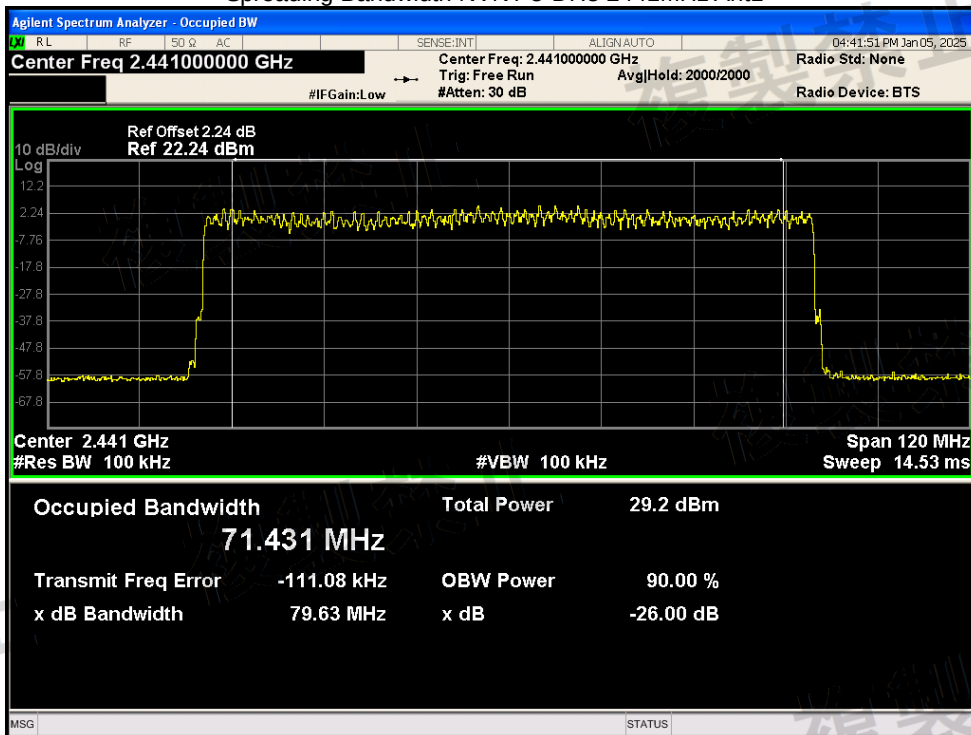
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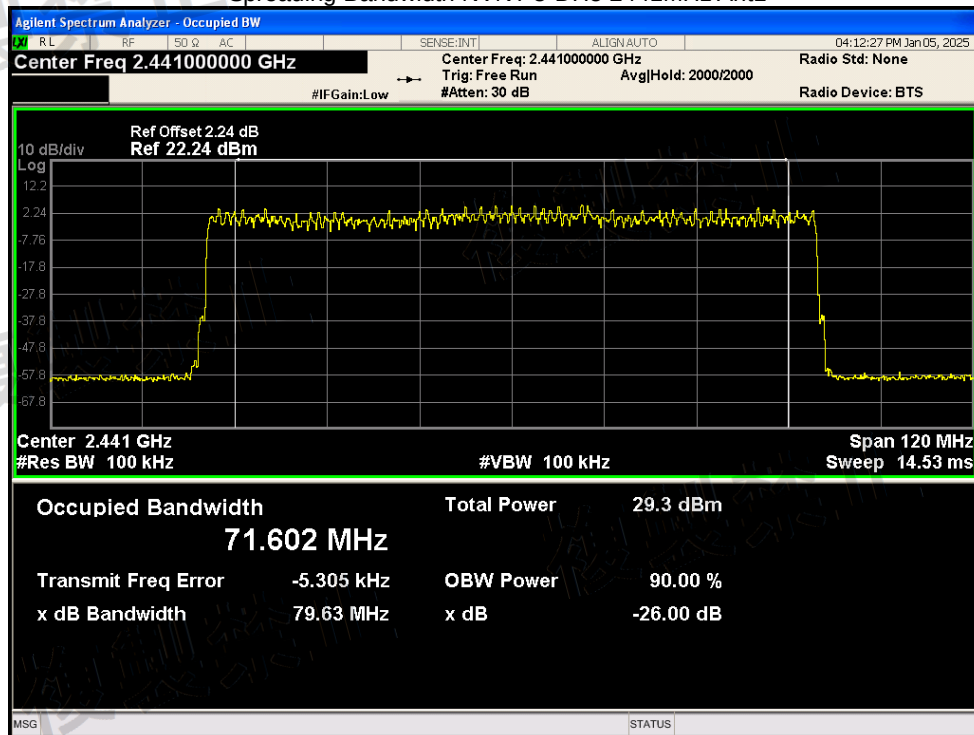
Spreading Bandwidth NVNT 3-DH1 2441MHz Ant1



Spreading Bandwidth NVNT 3-DH3 2441MHz Ant1



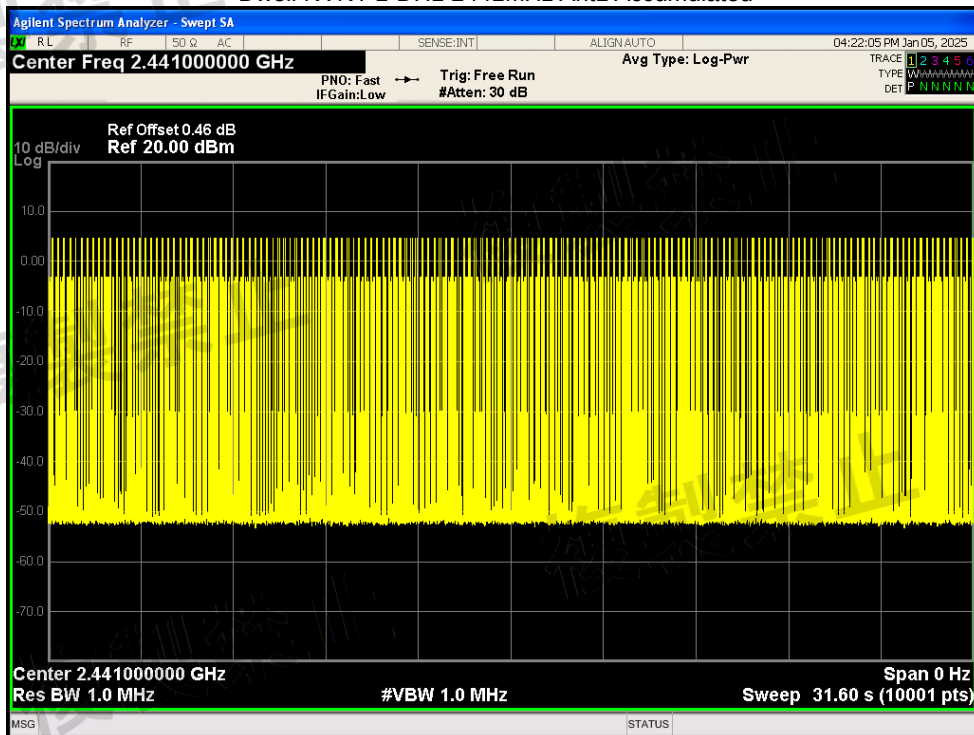
Spreading Bandwidth NVNT 3-DH5 2441MHz Ant1



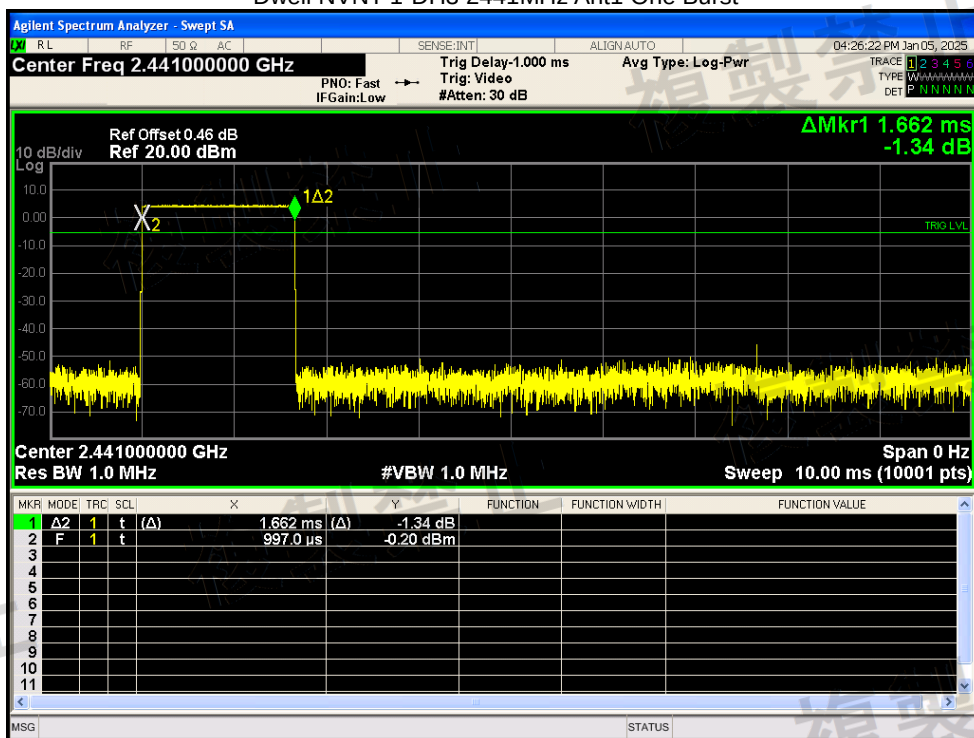
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.406	129.108	318	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.662	262.596	158	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.91	314.28	108	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.399	127.281	319	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.65	267.3	162	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.899	275.405	95	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.396	126.324	319	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.647	256.932	156	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.897	312.876	108	31600	400	Pass

[illegible]

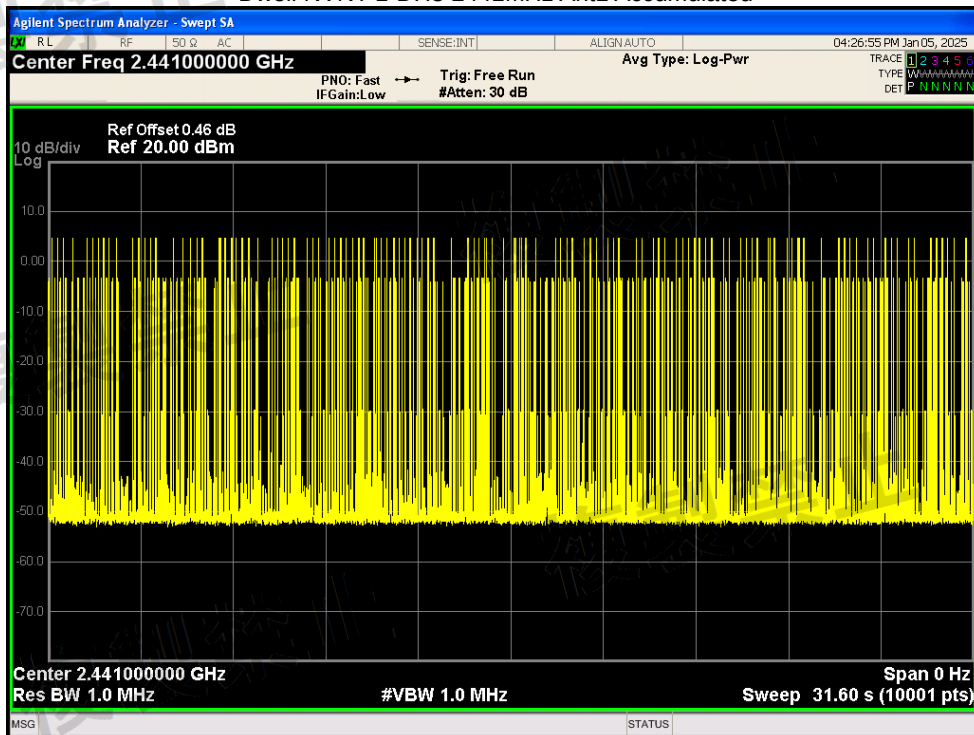
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



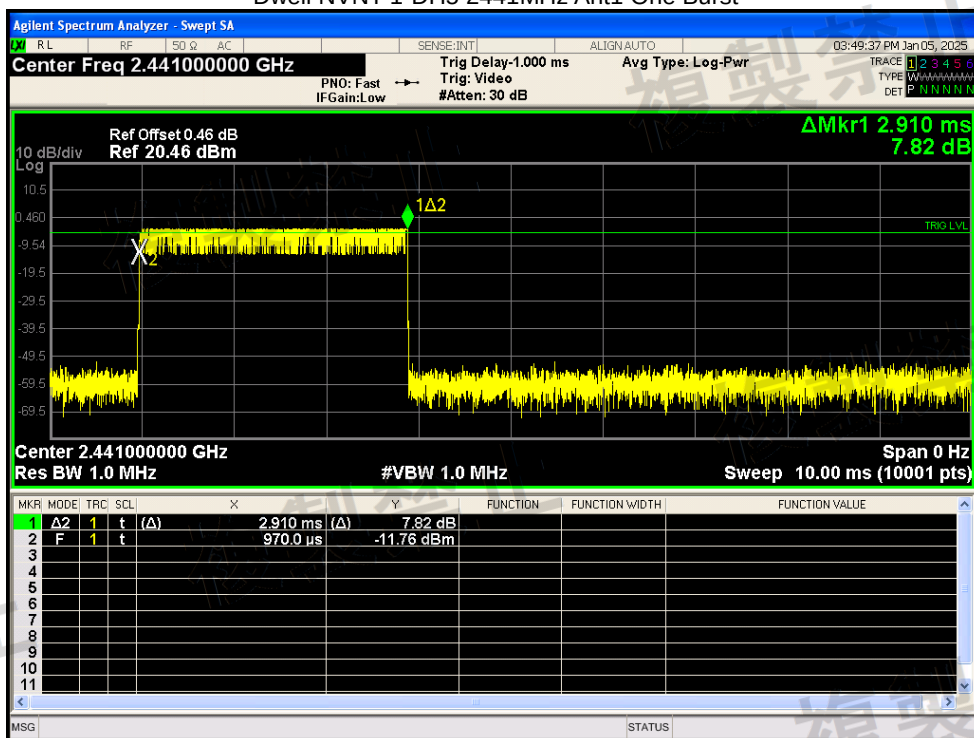
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



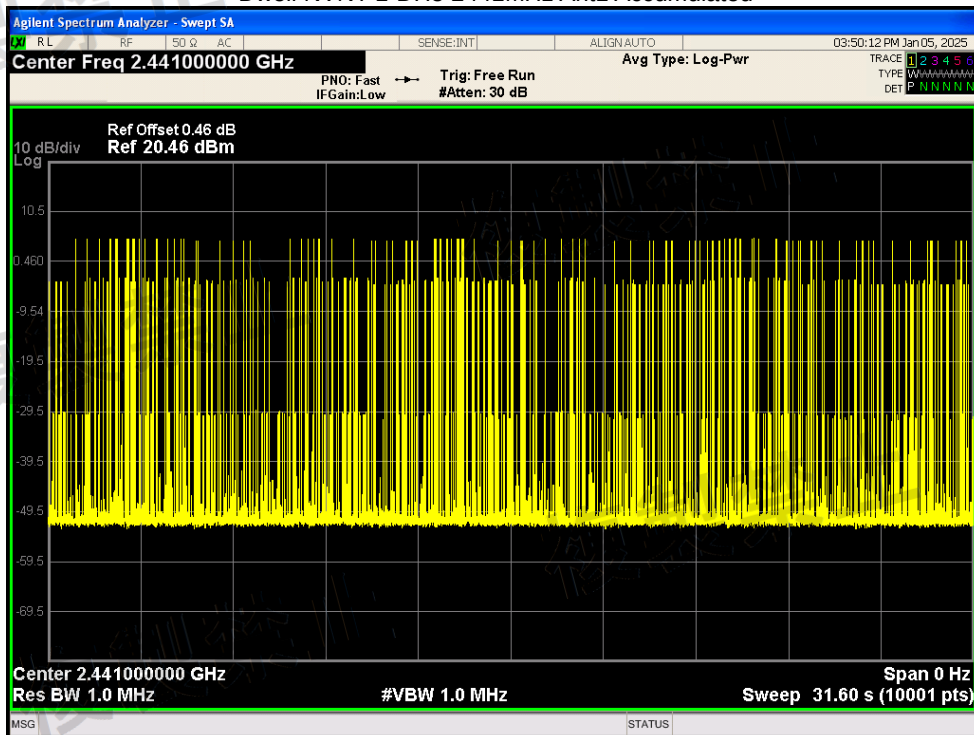
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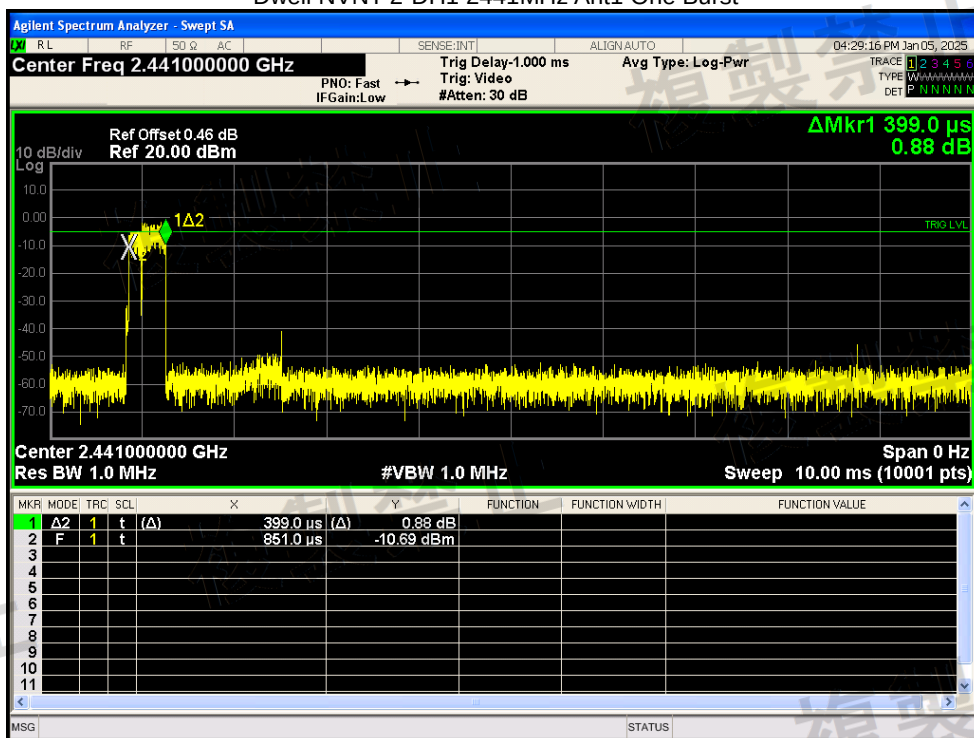
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



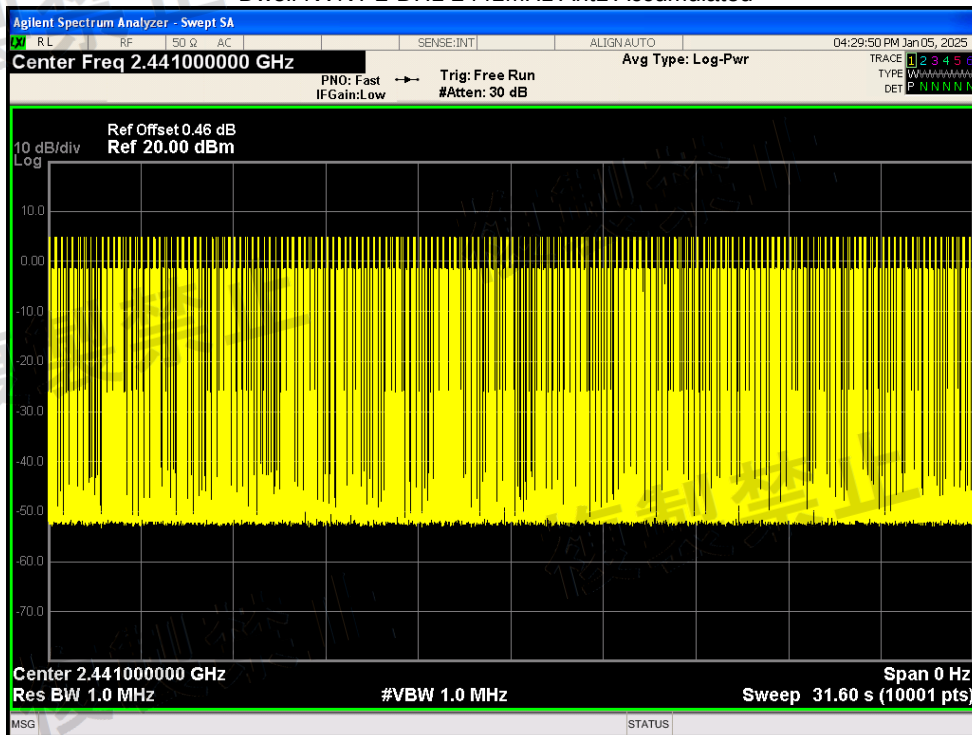
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



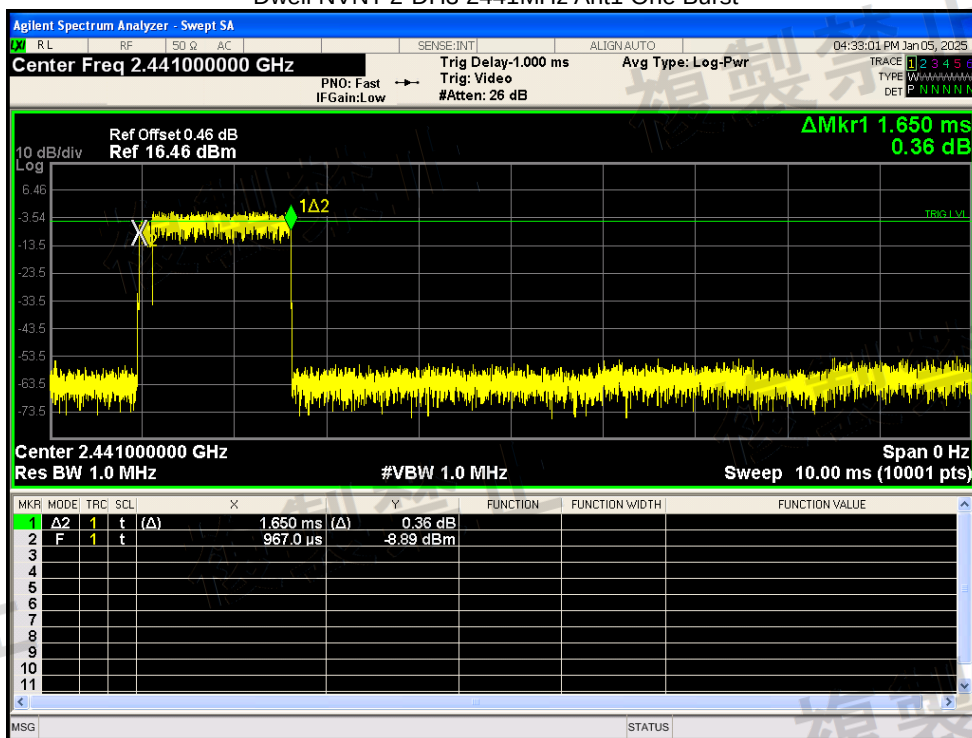
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



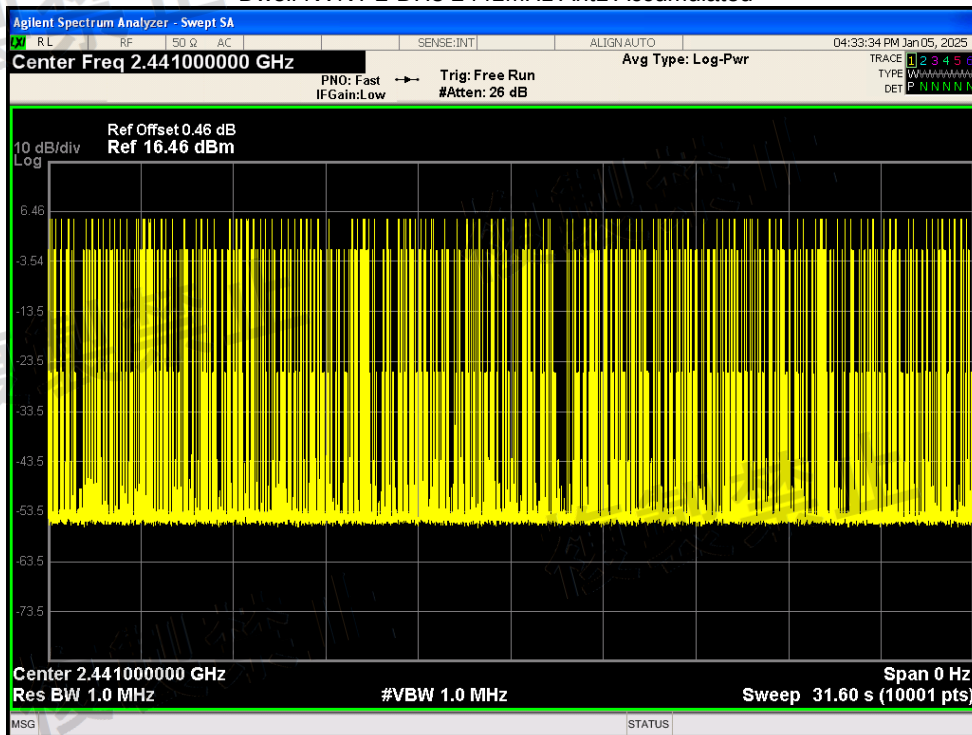
Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



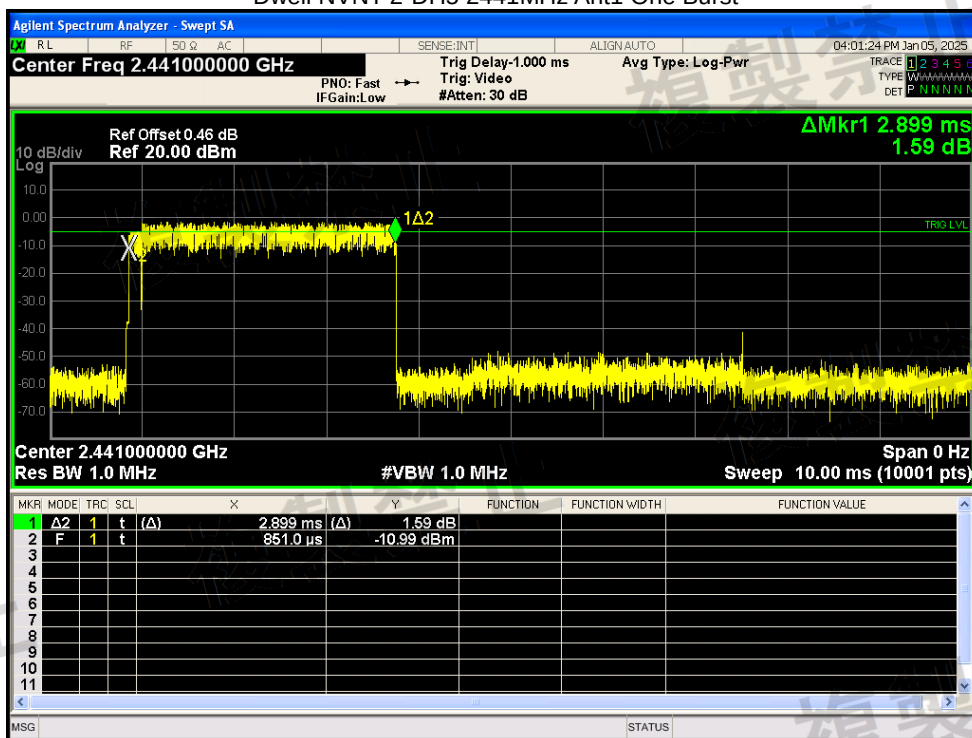
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



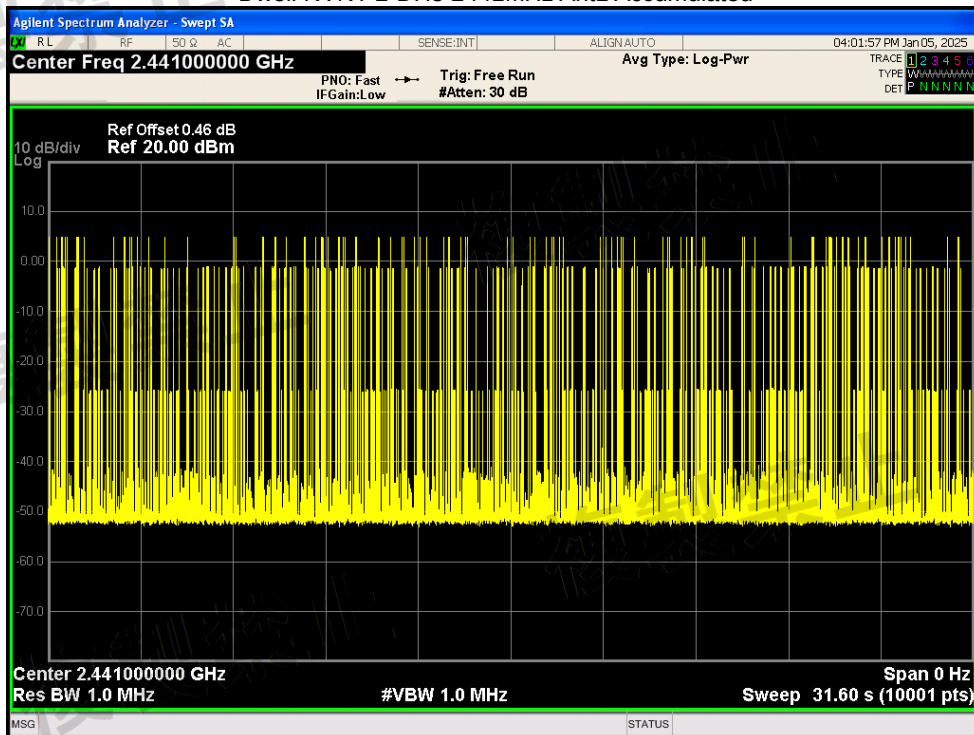
Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



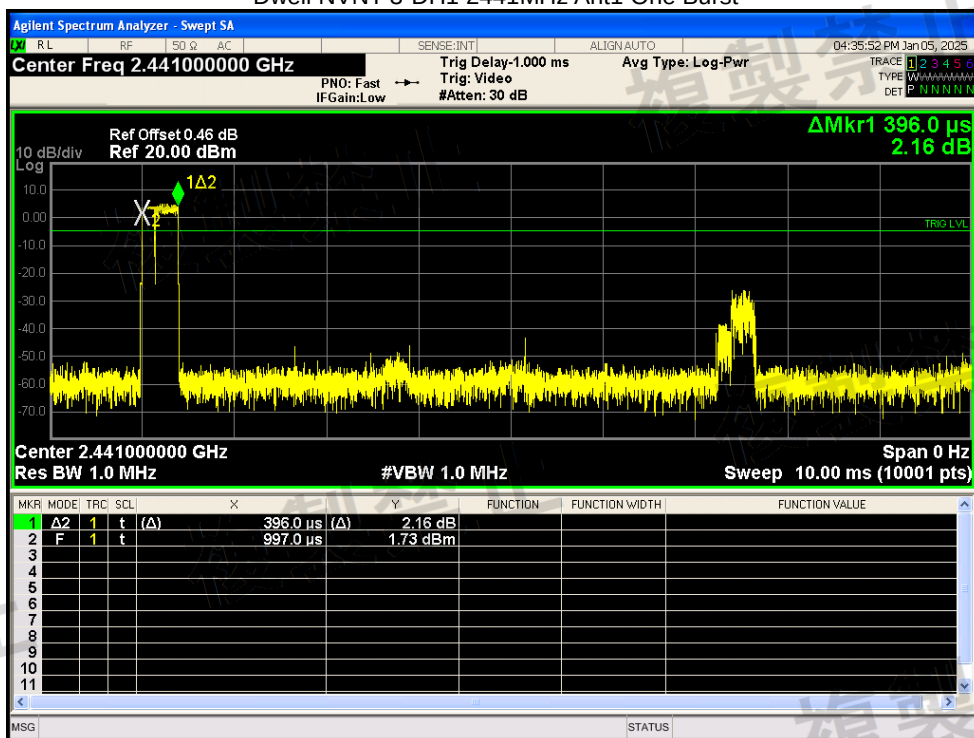
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



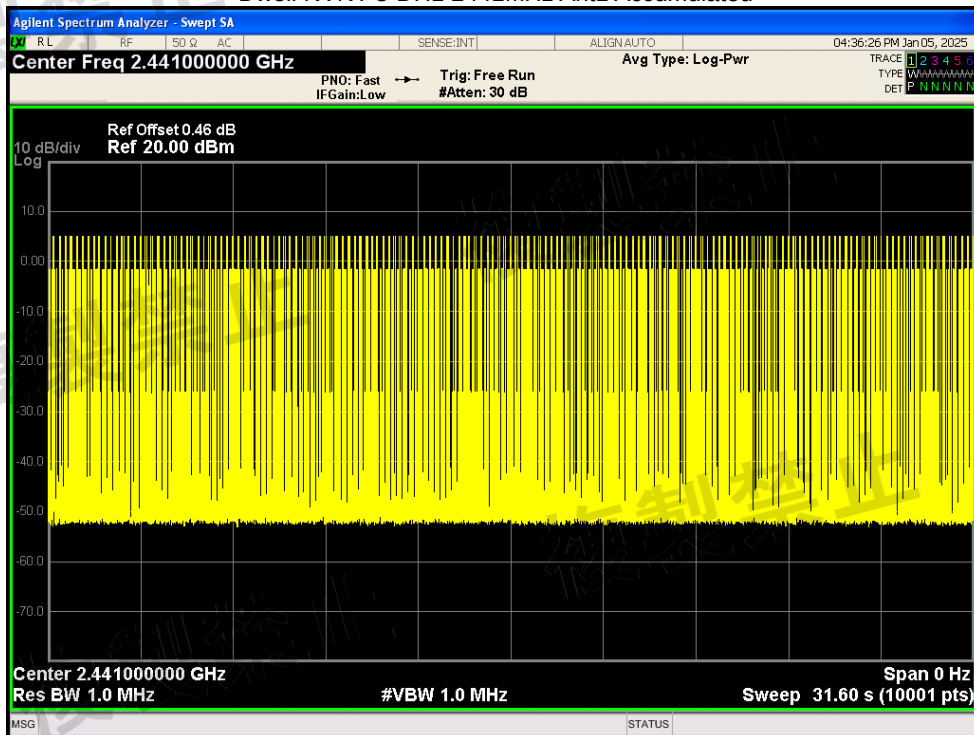
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



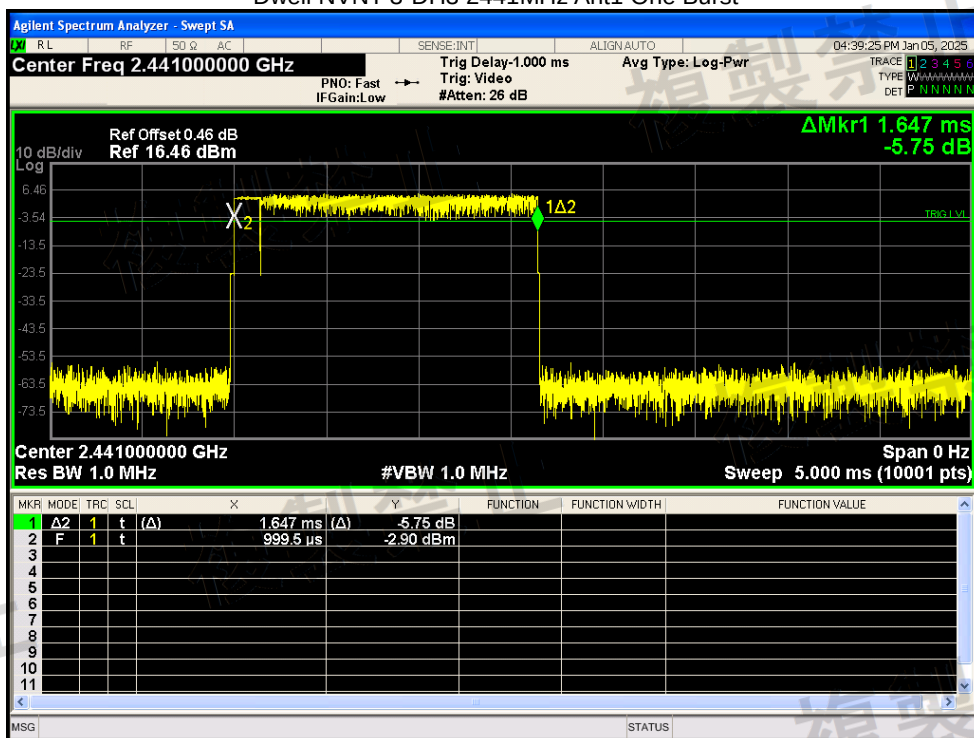
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



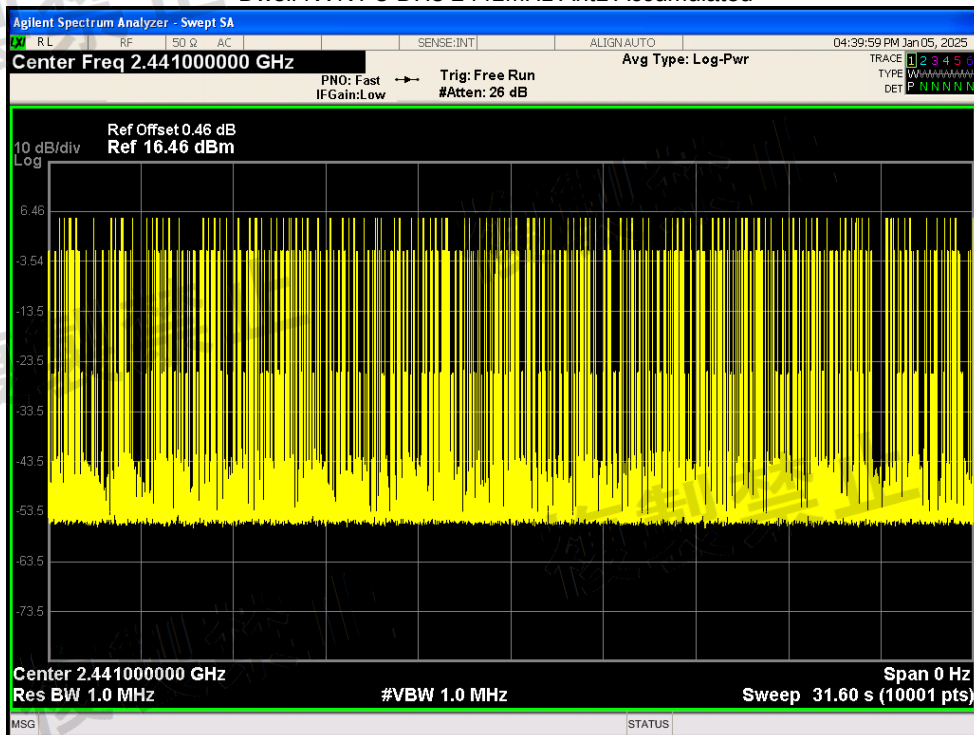
Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



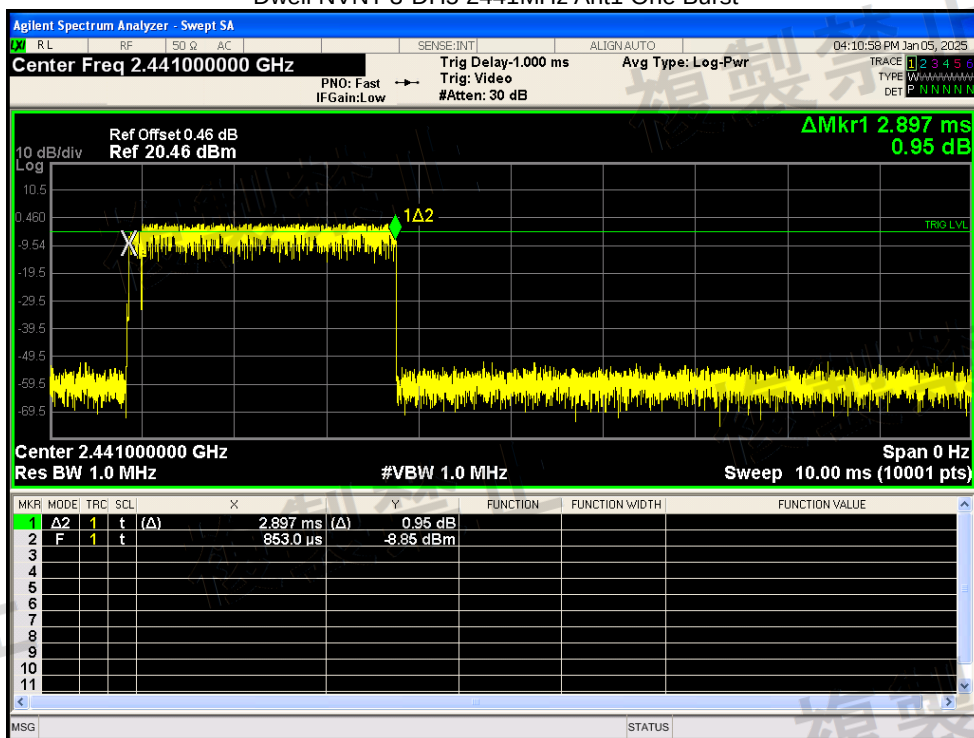
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



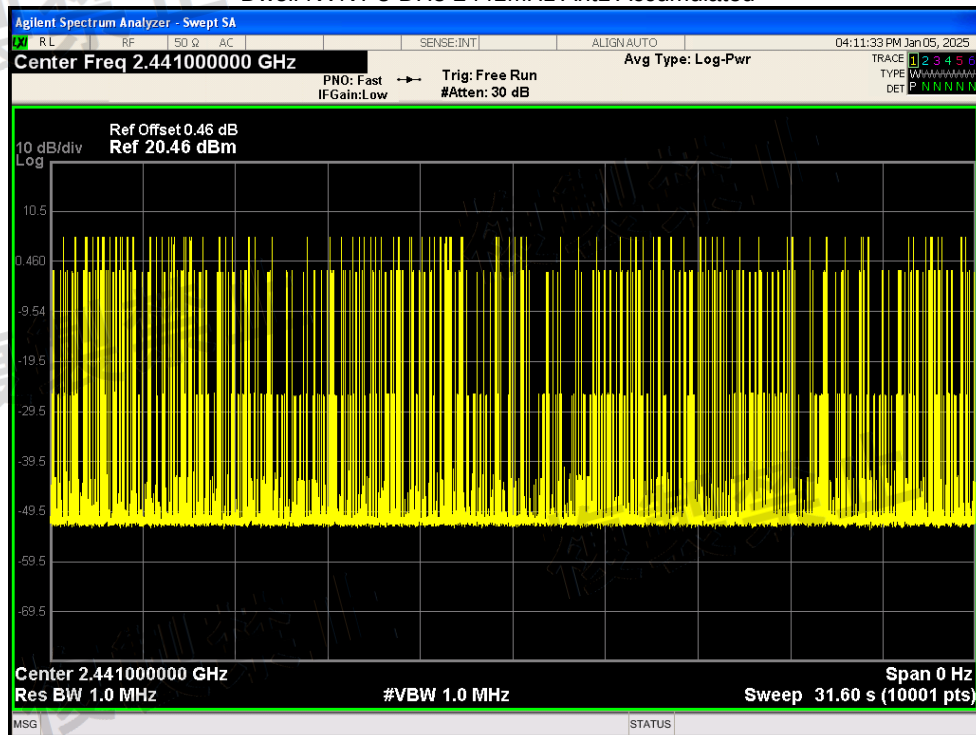
Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



13.4 ANTENNA AND EIRP POWER

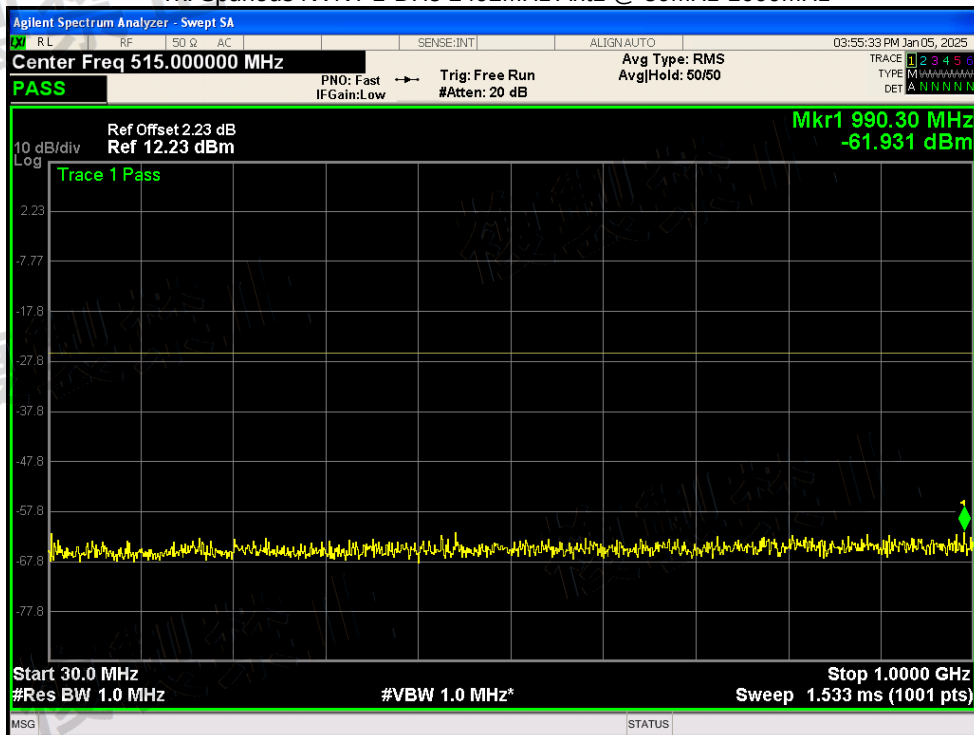
Condition	Mode	Frequency (MHz)	Antenna	Conducted Antenna power		Spread bandwidth	Antenna Power (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
				(dBm)	(mW)						
NVNT	1-DH5	Hopping	Ant1	4.23	2.65	71.911	0.0368	0.04	-7.92	20	Pass
NVNT	2-DH5	Hopping	Ant1	4.72	2.96	71.898	0.0412	0.04	3.09	20	Pass
NVNT	3-DH5	Hopping	Ant1	4.96	3.13	71.602	0.0438	0.04	9.40	20	Pass

Note: Antenna power= Conducted Antenna power / Spread bandwidth

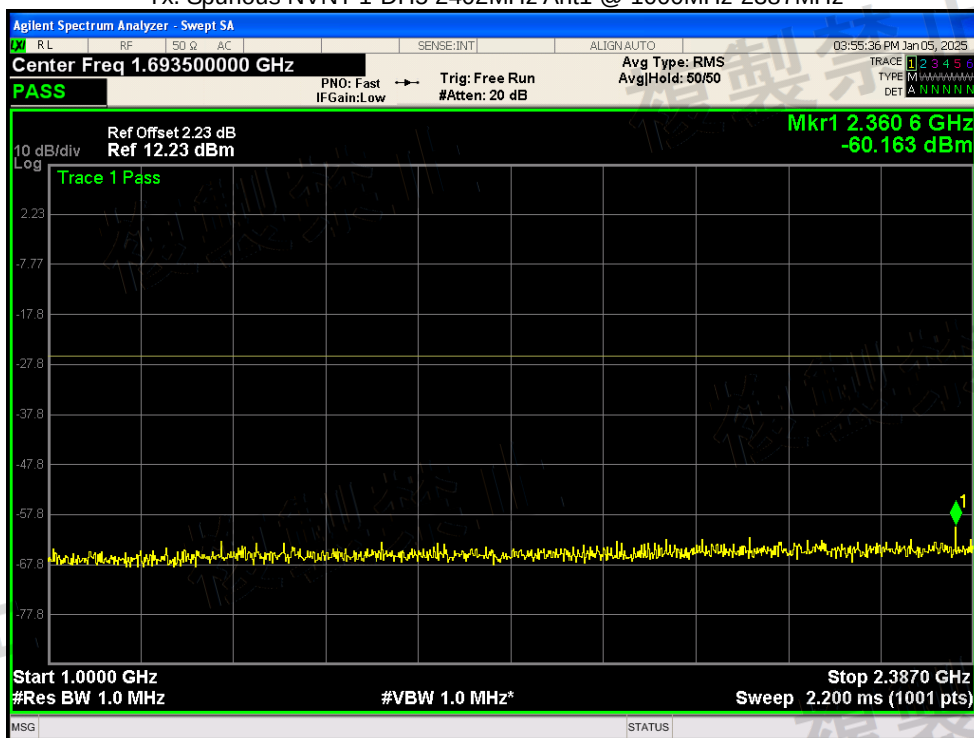
13.5 TX SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	1-DH5	2402	Ant1	30-1000	990.3	-61.93	0.0006	2.5	2.5	Pass
NVNT	1-DH5	2402	Ant1	1000-2387	2360.65	-60.16	0.001	2.5	2.5	Pass
NVNT	1-DH5	2402	Ant1	2387-2400	2400	-38.96	0.1271	25	25	Pass
NVNT	1-DH5	2402	Ant1	2483.5-2496.5	2486.62	-60.33	0.0009	25	25	Pass
NVNT	1-DH5	2402	Ant1	2496.5-13000	12842.45	-63.66	0.0004	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	30-1000	772.05	-61.61	0.0007	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	1000-2387	1980.61	-62.02	0.0006	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	2387-2400	2396.79	-59.89	0.001	25	25	Pass
NVNT	1-DH5	2441	Ant1	2483.5-2496.5	2489.44	-60.52	0.0009	25	25	Pass
NVNT	1-DH5	2441	Ant1	2496.5-13000	12926.48	-63.5	0.0004	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	30-1000	691.54	-61.12	0.0008	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	1000-2387	1796.14	-62.61	0.0005	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	2387-2400	2399.84	-60.47	0.0009	25	25	Pass
NVNT	1-DH5	2480	Ant1	2483.5-2496.5	2485.45	-47.45	0.018	25	25	Pass
NVNT	1-DH5	2480	Ant1	2496.5-13000	12947.48	-63.9	0.0004	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	30-1000	952.47	-61.13	0.0008	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	1000-2387	2359.26	-61.55	0.0007	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	2387-2400	2399.99	-29.26	1.1858	25	25	Pass
NVNT	2-DH5	2402	Ant1	2483.5-2496.5	2496.34	-60.18	0.001	25	25	Pass
NVNT	2-DH5	2402	Ant1	2496.5-13000	12894.97	-64.05	0.0004	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	30-1000	806.97	-61.42	0.0007	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	1000-2387	2080.47	-61.93	0.0006	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	2387-2400	2399.06	-60.13	0.001	25	25	Pass
NVNT	2-DH5	2441	Ant1	2483.5-2496.5	2490.46	-60.41	0.0009	25	25	Pass
NVNT	2-DH5	2441	Ant1	2496.5-13000	12800.43	-63.5	0.0004	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	30-1000	651.77	-60.85	0.0008	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	1000-2387	2149.82	-62.13	0.0006	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	2387-2400	2394.66	-60.24	0.0009	25	25	Pass
NVNT	2-DH5	2480	Ant1	2483.5-2496.5	2483.59	-47.44	0.018	25	25	Pass
NVNT	2-DH5	2480	Ant1	2496.5-13000	12852.95	-63.09	0.0005	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	30-1000	921.43	-61.86	0.0007	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	1000-2387	2259.4	-61.75	0.0007	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	2387-2400	2399.99	-28.87	1.2972	25	25	Pass
NVNT	3-DH5	2402	Ant1	2483.5-2496.5	2492.47	-60.4	0.0009	25	25	Pass
NVNT	3-DH5	2402	Ant1	2496.5-13000	12464.32	-63.72	0.0004	2.5	2.5	Pass
NVNT	3-DH5	2441	Ant1	30-1000	900.09	-61.3	0.0007	2.5	2.5	Pass
NVNT	3-DH5	2441	Ant1	1000-2387	1362.01	-62.23	0.0006	2.5	2.5	Pass
NVNT	3-DH5	2441	Ant1	2387-2400	2397.22	-59.51	0.0011	25	25	Pass
NVNT	3-DH5	2441	Ant1	2483.5-2496.5	2485.49	-60.41	0.0009	25	25	Pass
NVNT	3-DH5	2441	Ant1	2496.5-13000	12894.97	-63.63	0.0004	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	30-1000	959.26	-61.88	0.0006	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	1000-2387	2156.76	-62.28	0.0006	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	2387-2400	2395.84	-60.66	0.0009	25	25	Pass
NVNT	3-DH5	2480	Ant1	2483.5-2496.5	2485.1	-45.04	0.0313	25	25	Pass
NVNT	3-DH5	2480	Ant1	2496.5-13000	5447.98	-63.8	0.0004	2.5	2.5	Pass

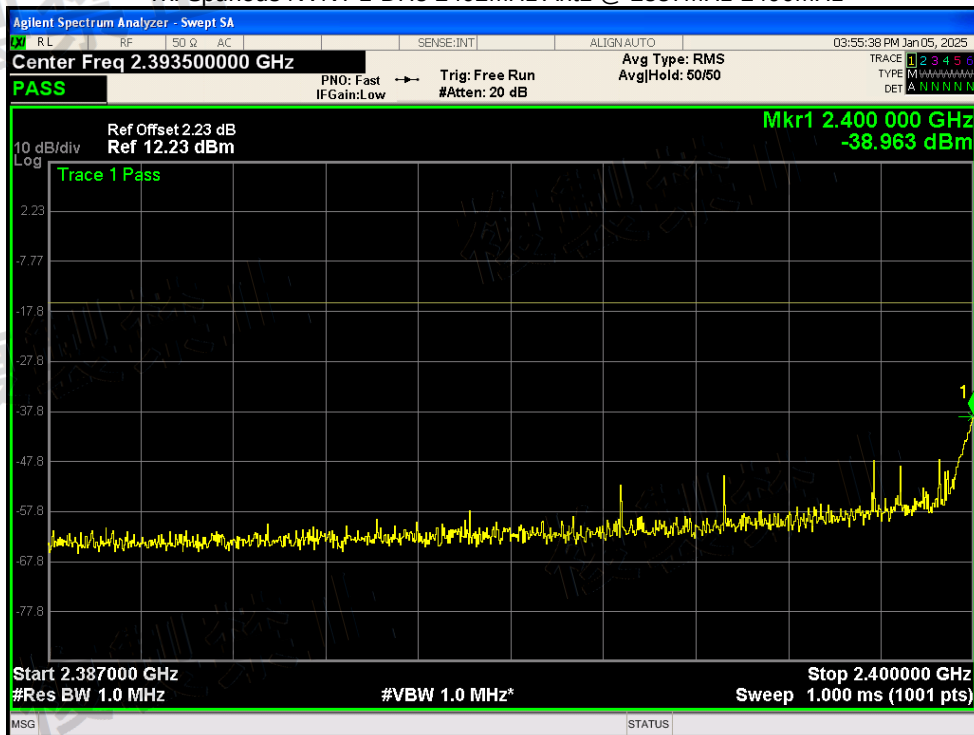
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



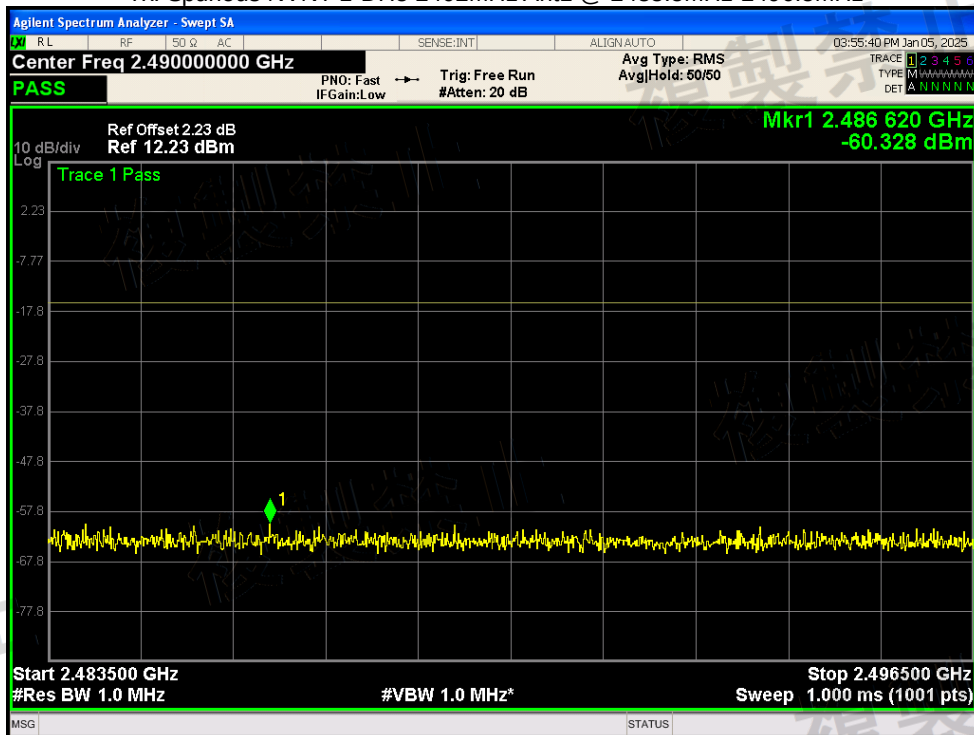
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



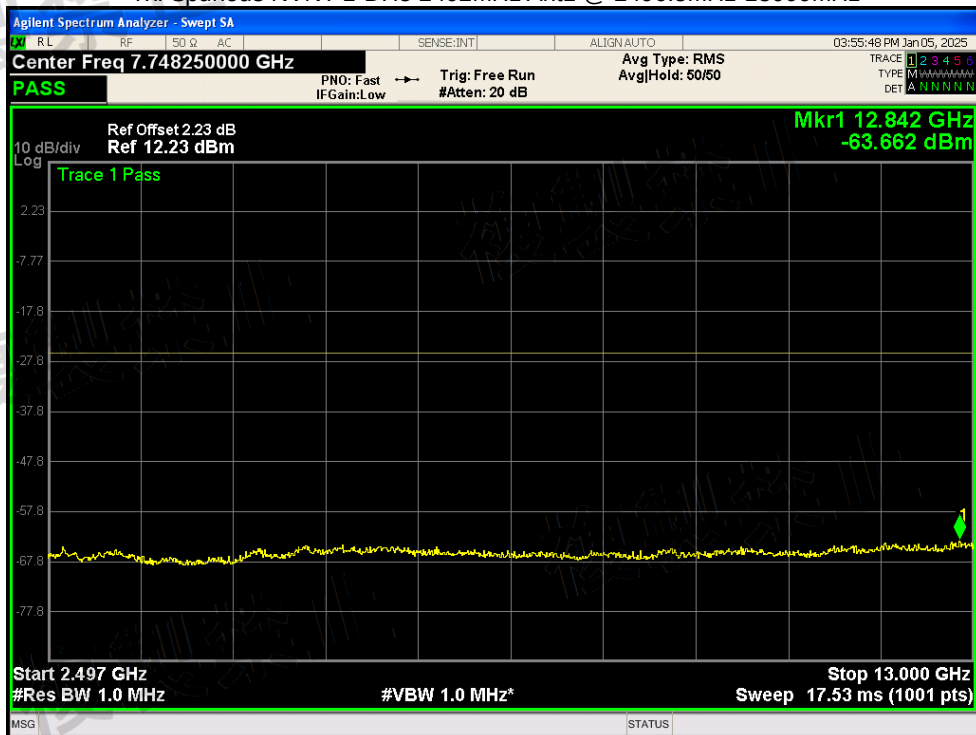
Tx: Spurious NVNT 1-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



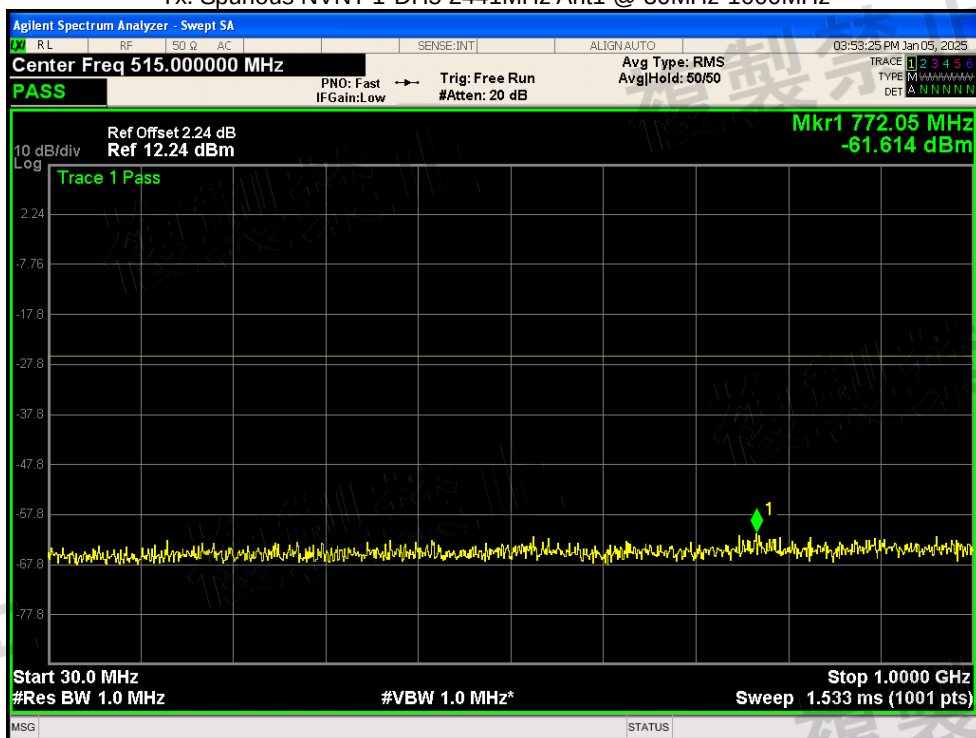
Tx: Spurious NVNT 1-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



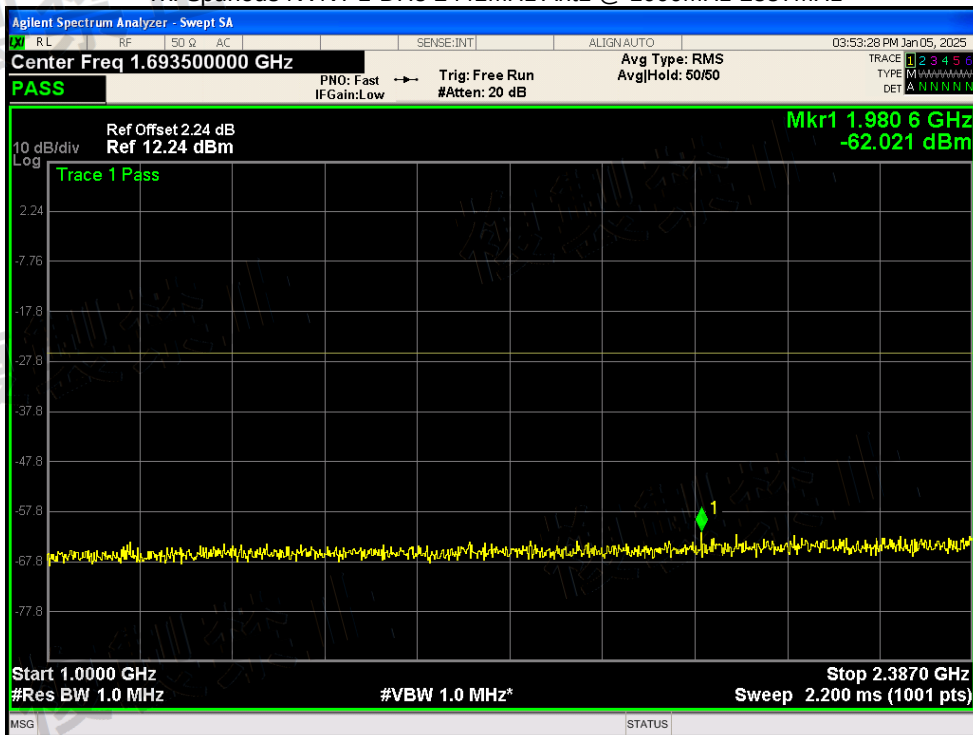
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



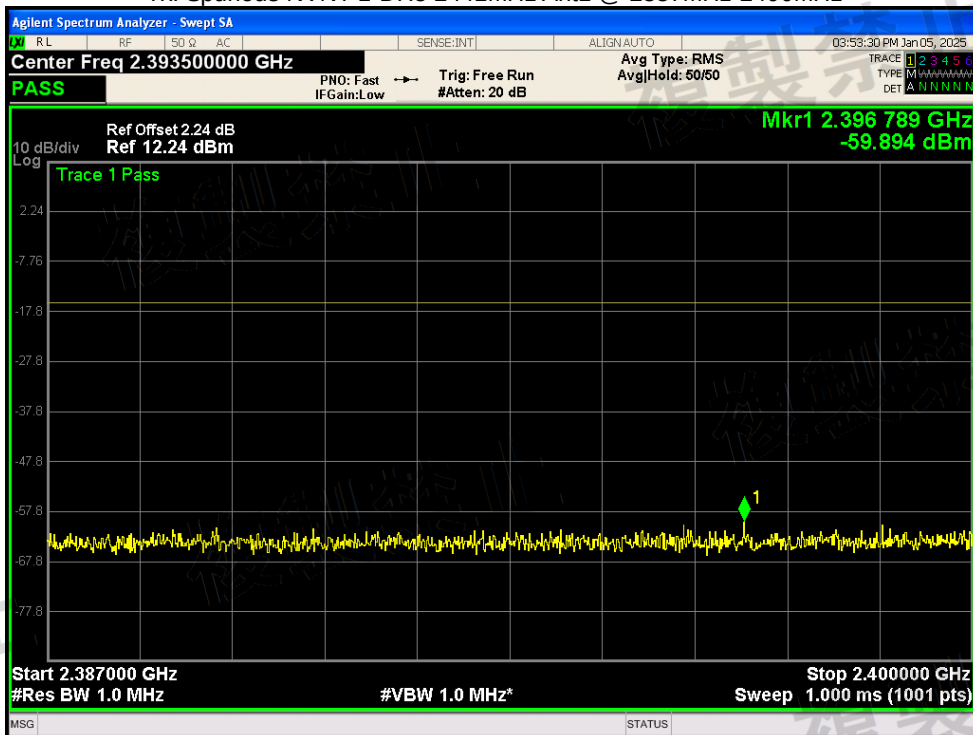
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 30MHz-1000MHz



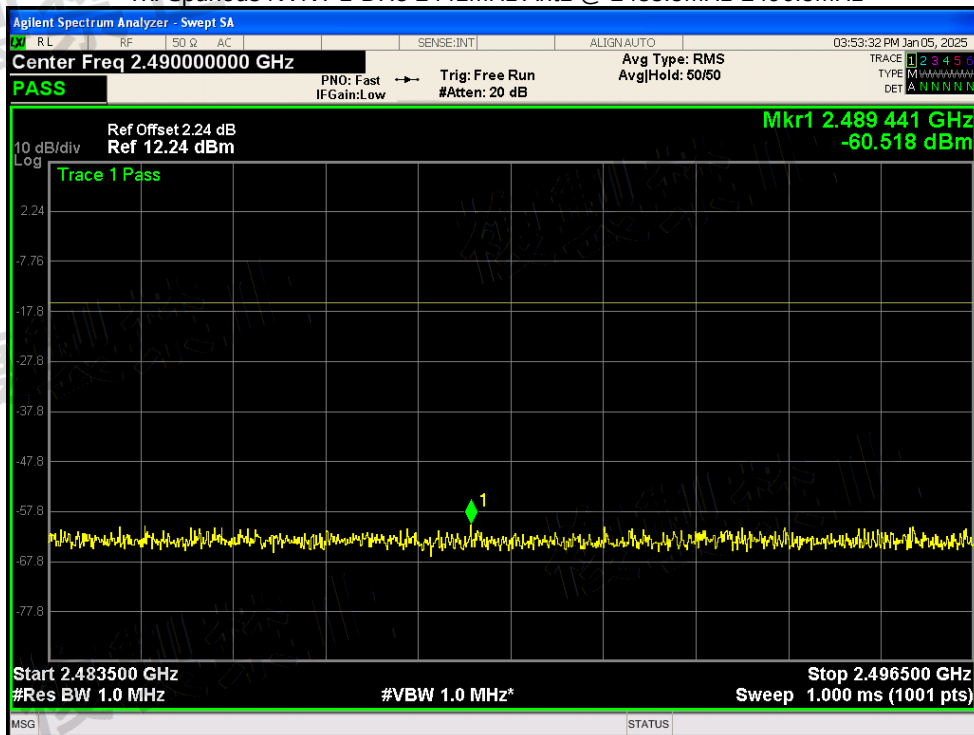
Tx: Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



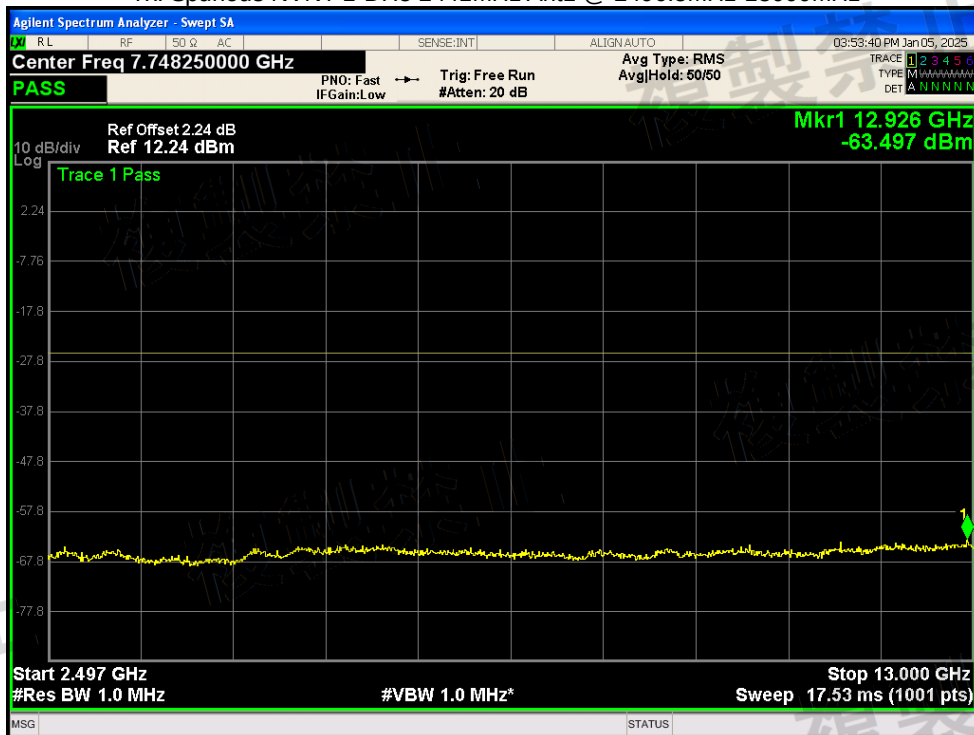
Tx: Spurious NVNT 1-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



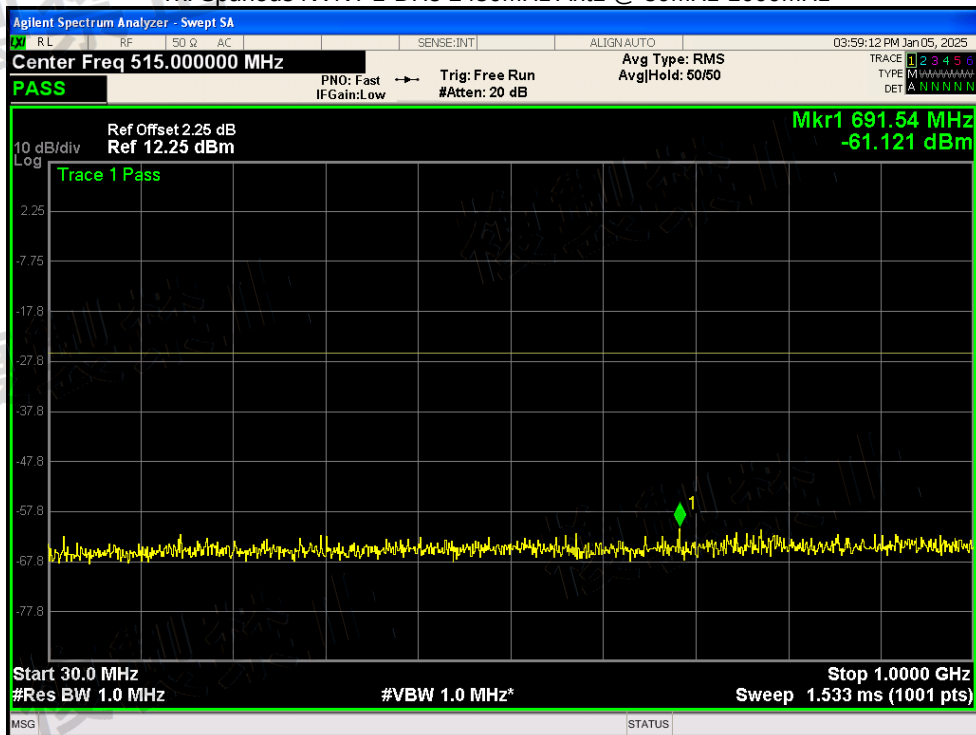
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



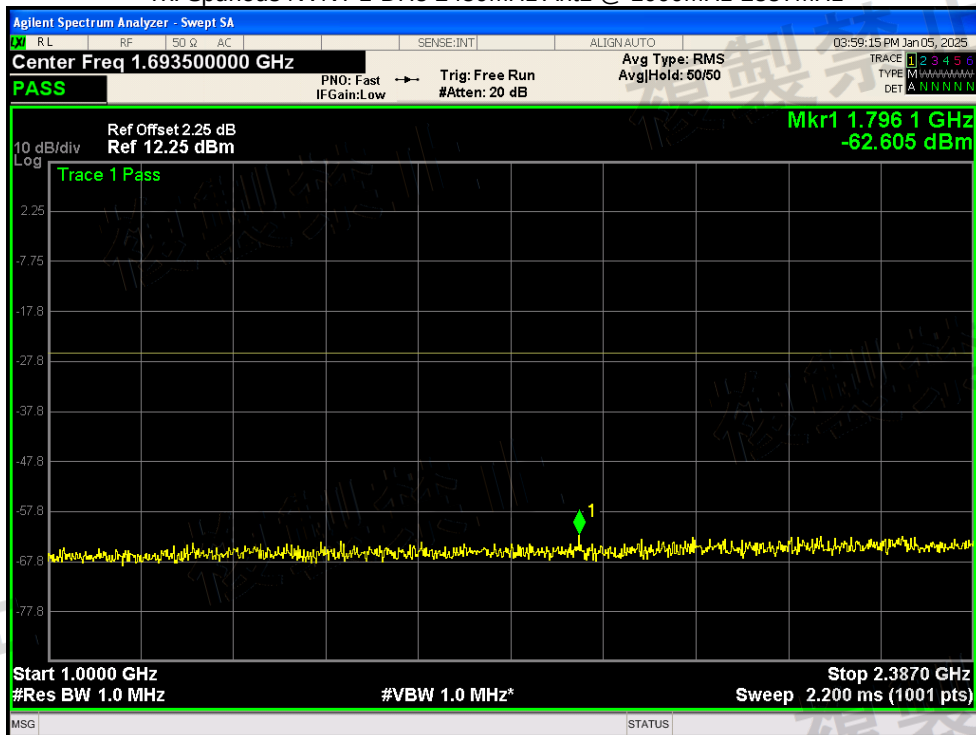
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



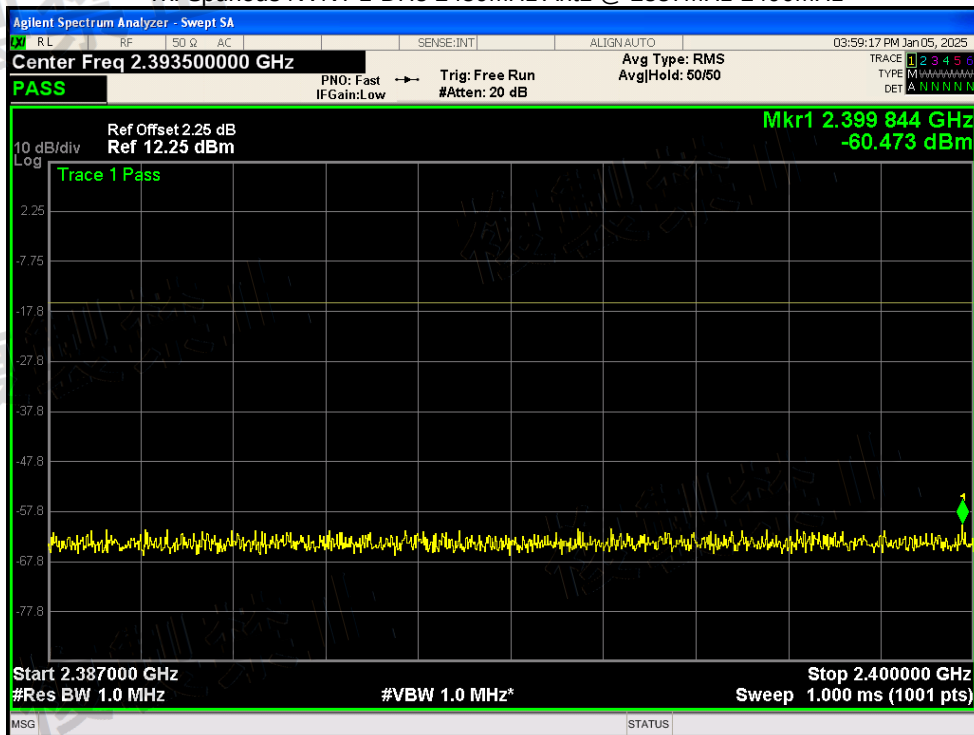
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



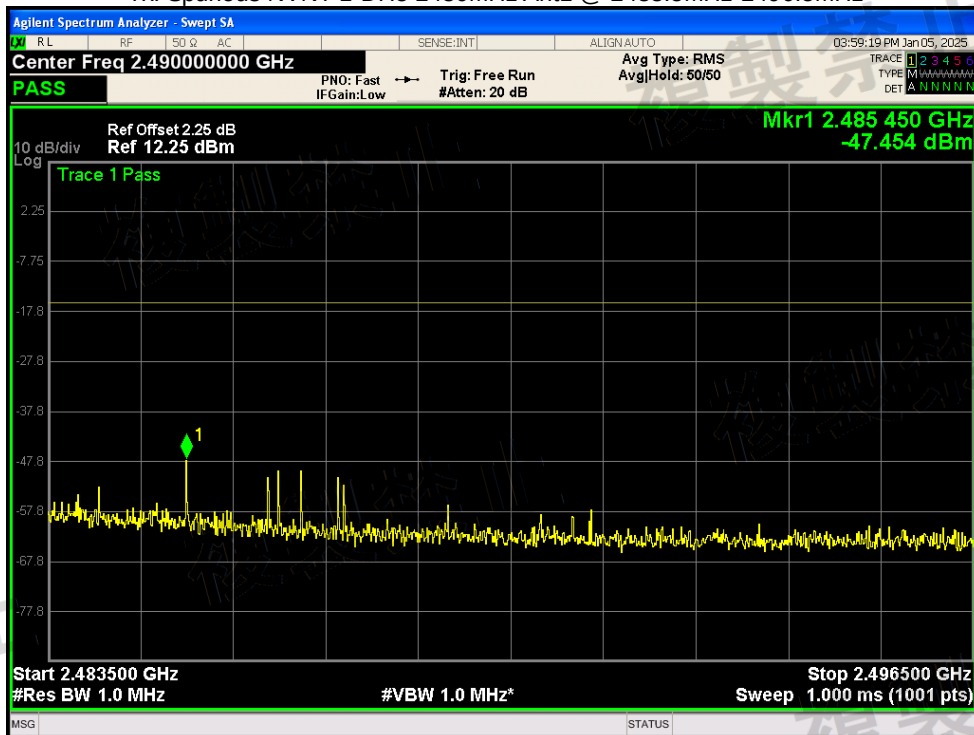
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



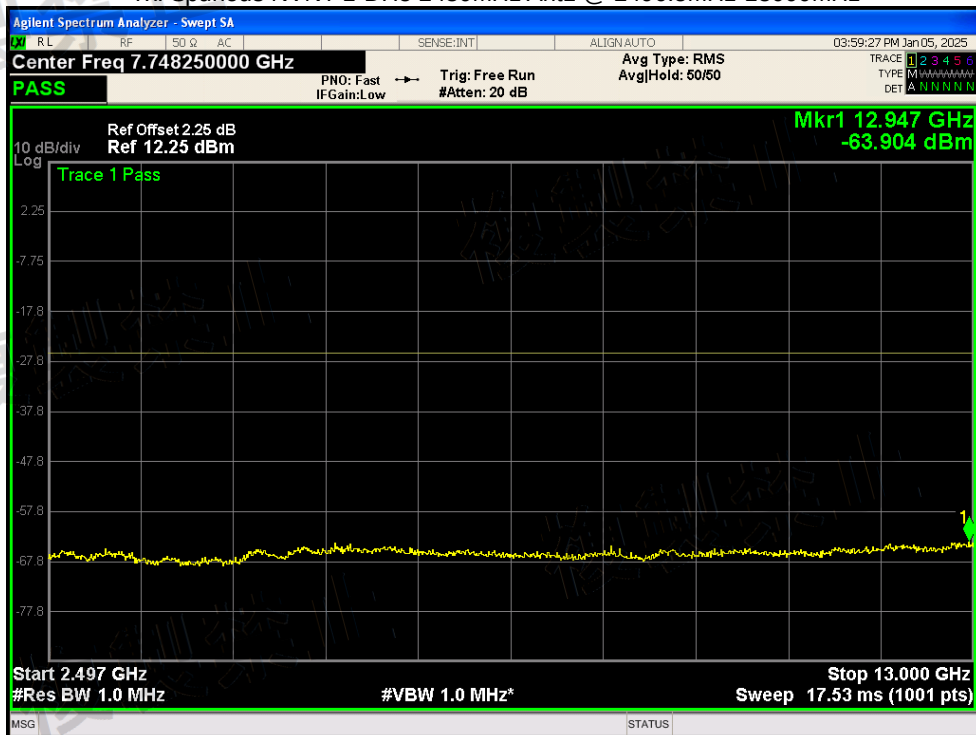
Tx: Spurious NVNT 1-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



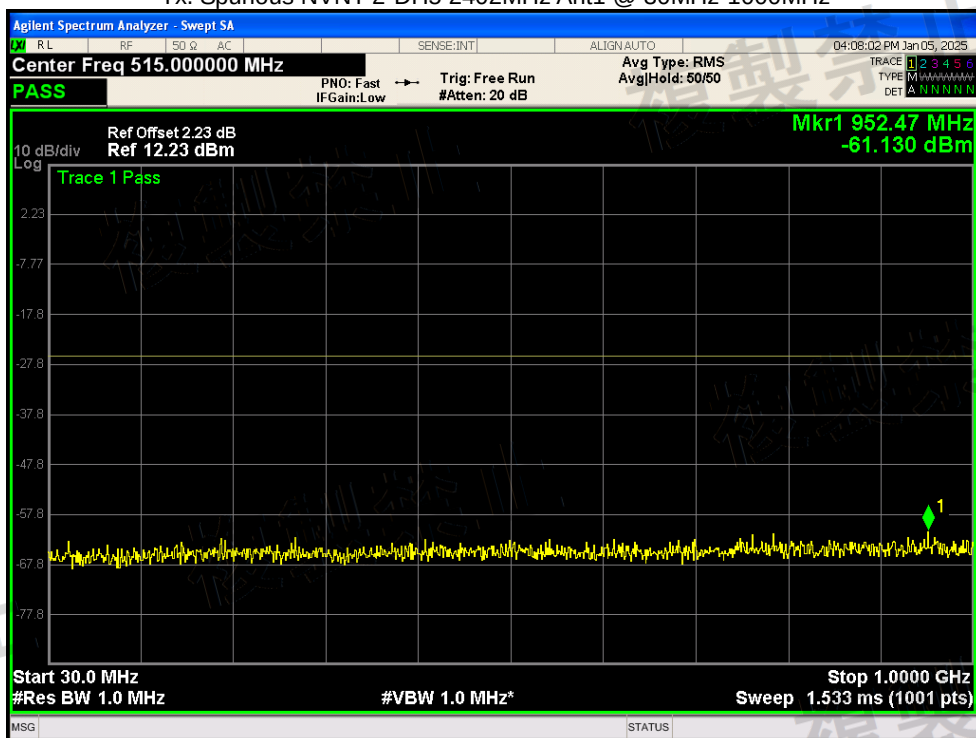
Tx: Spurious NVNT 1-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



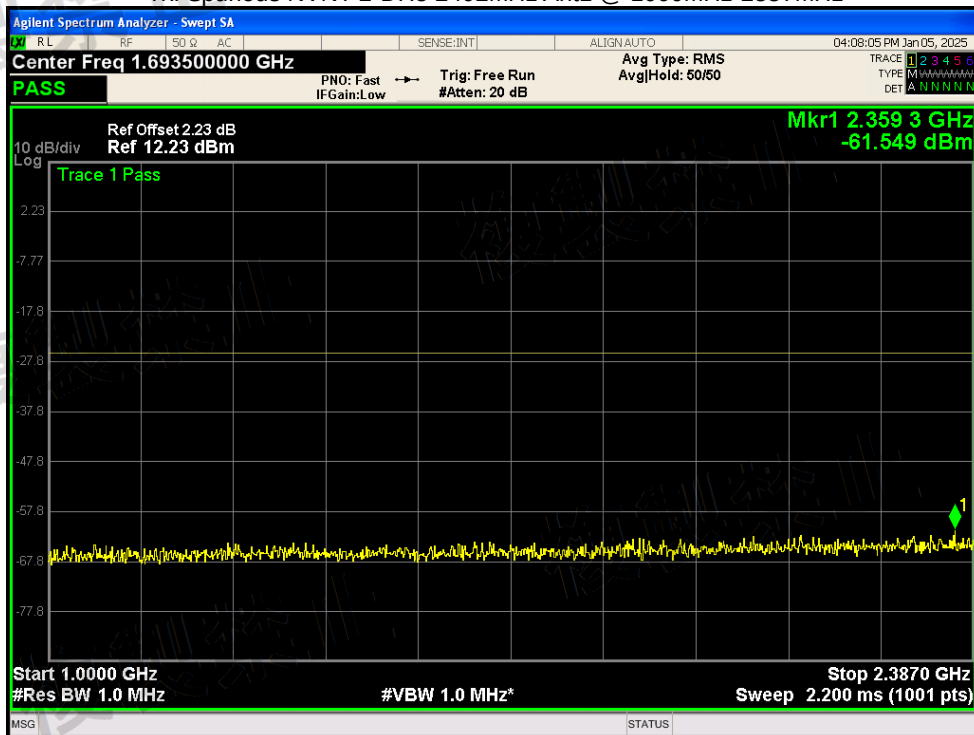
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz



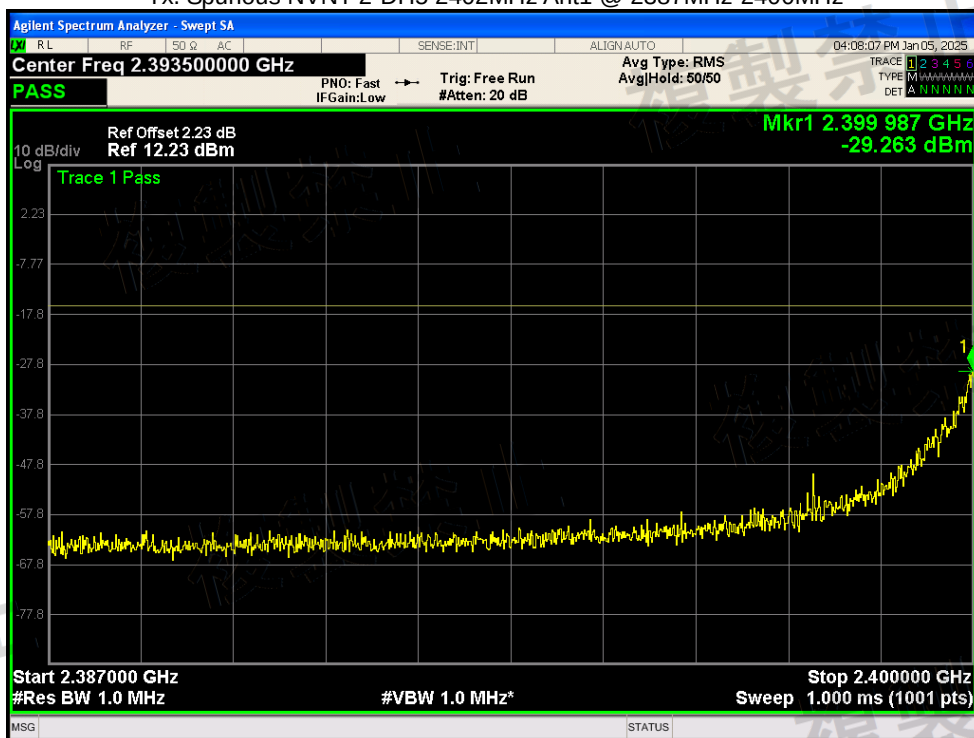
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 30MHz-1000MHz



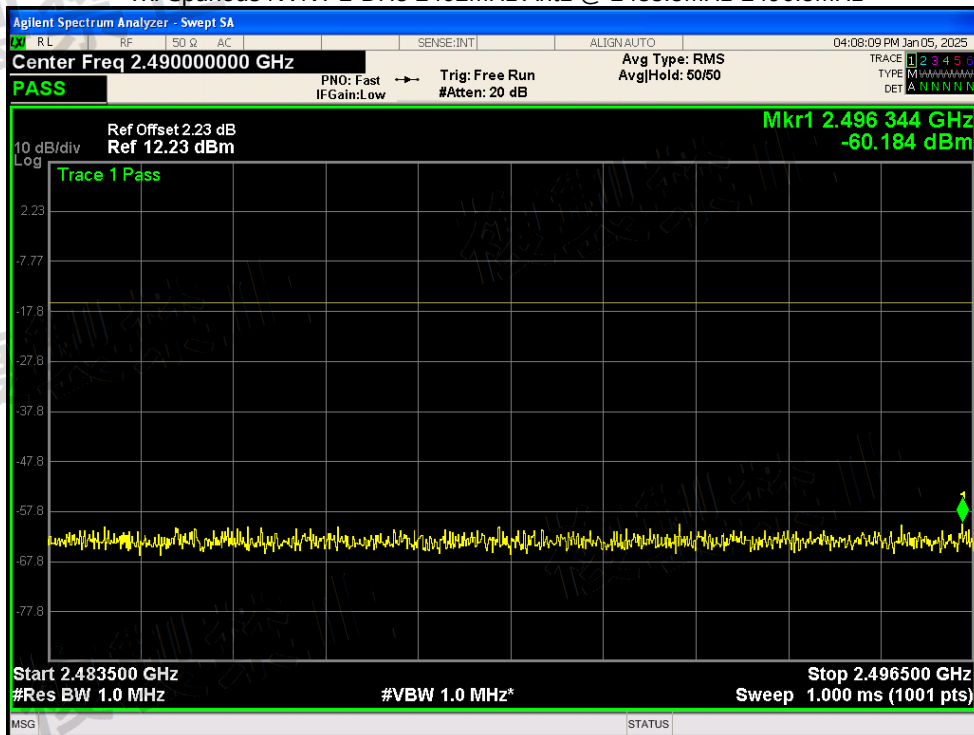
Tx: Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



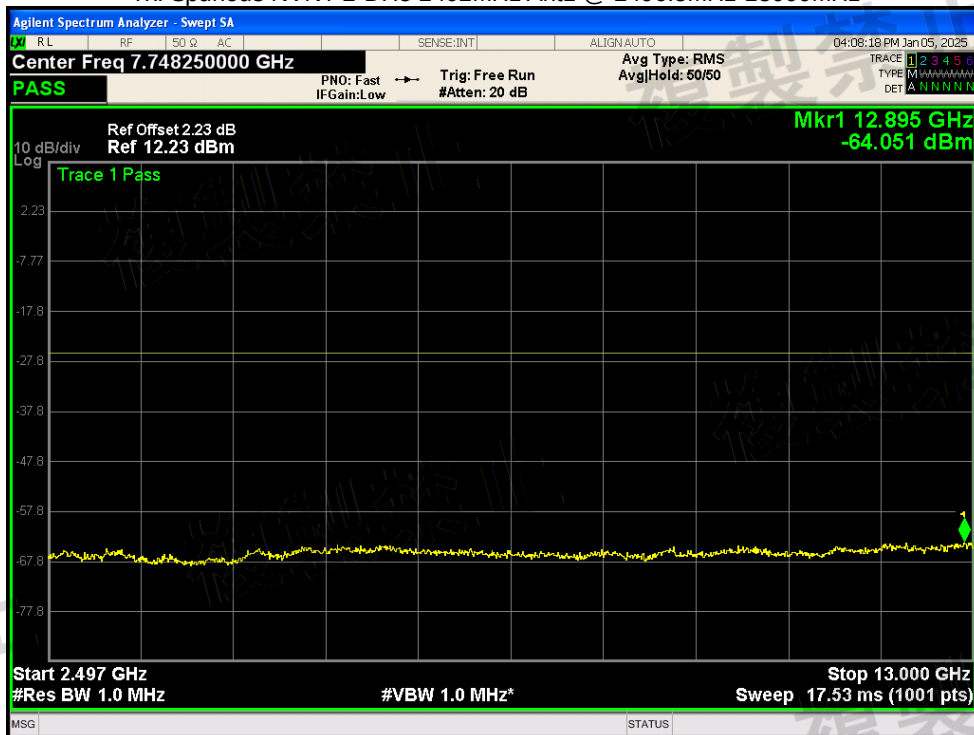
Tx: Spurious NVNT 2-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



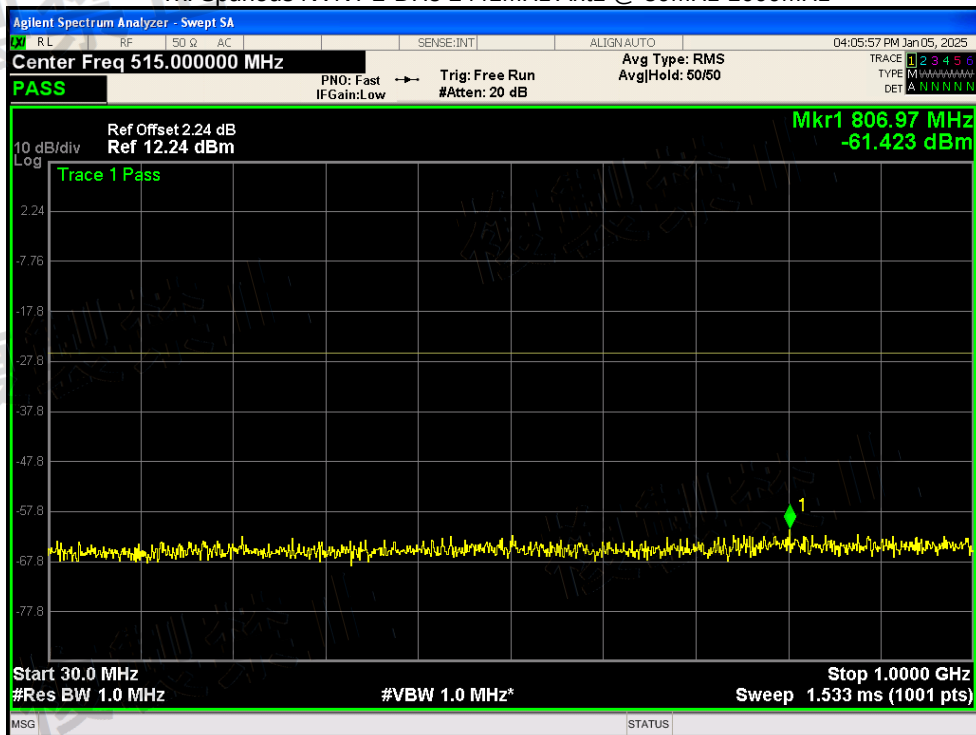
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



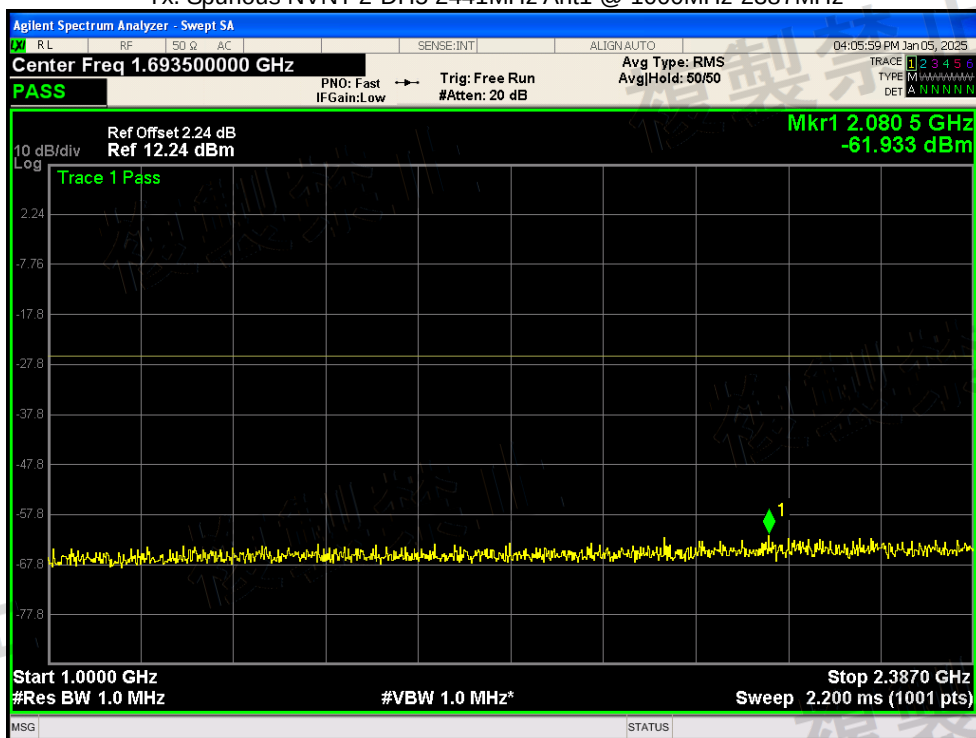
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



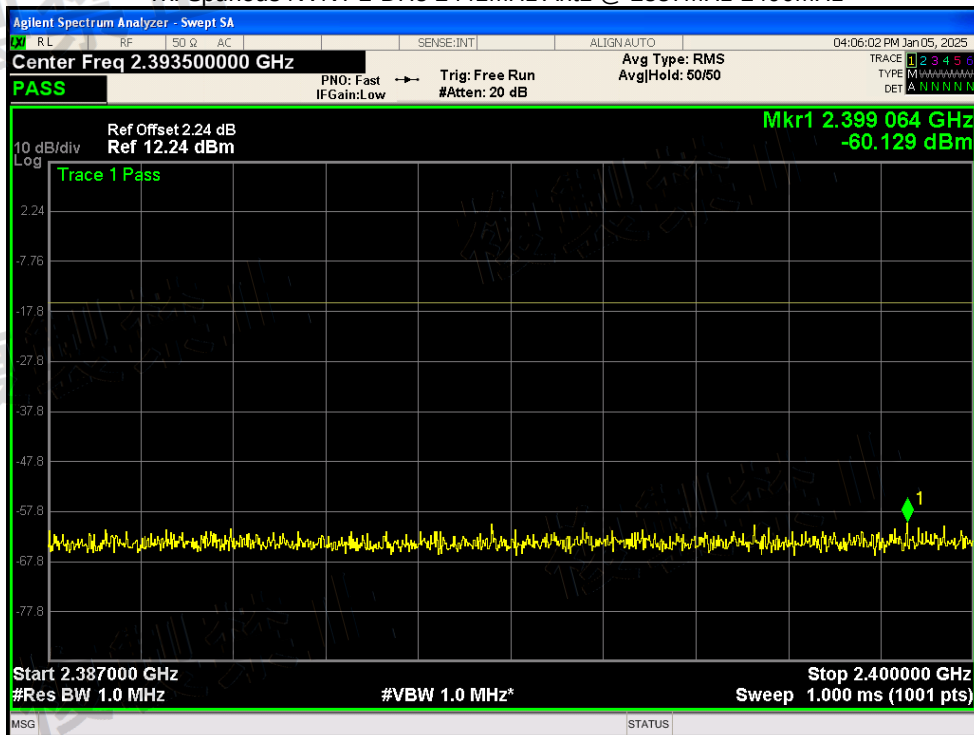
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



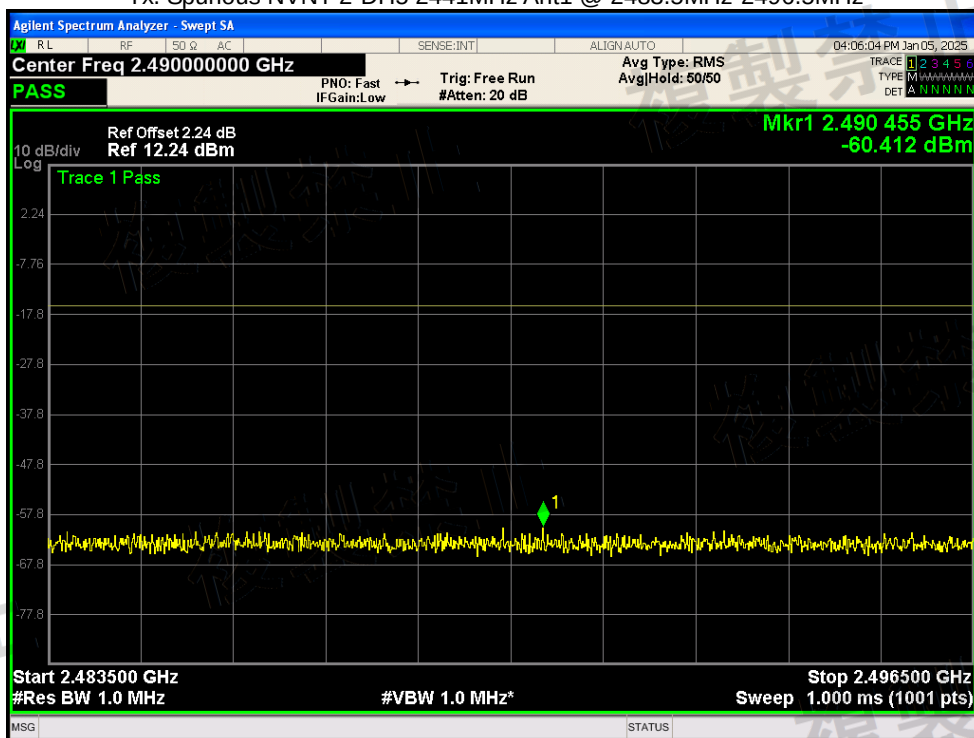
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



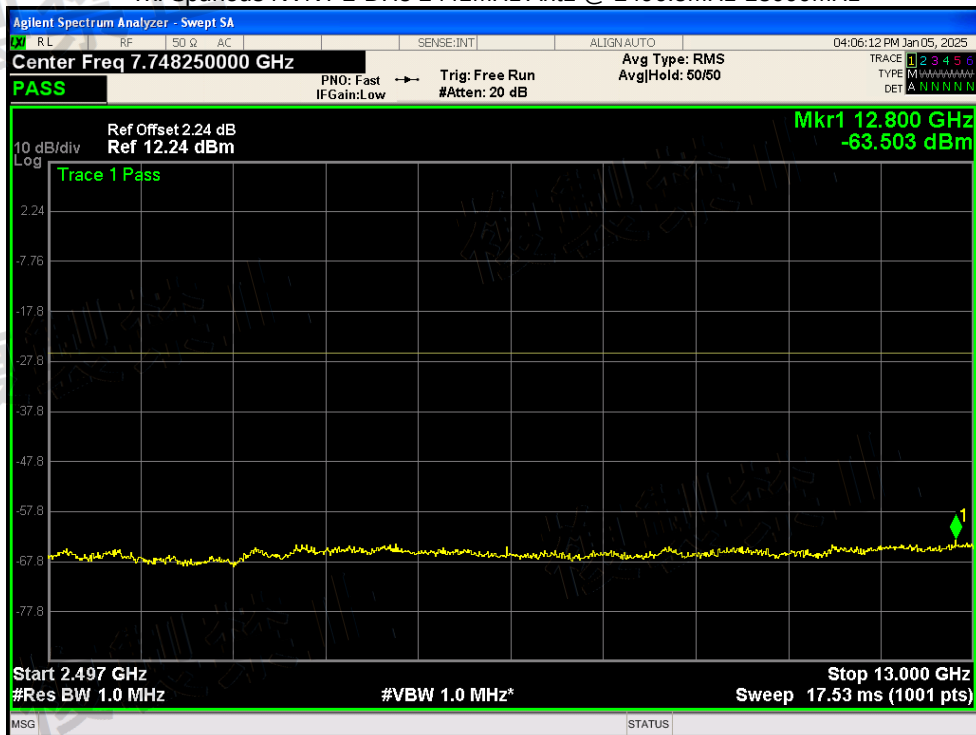
Tx: Spurious NVNT 2-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



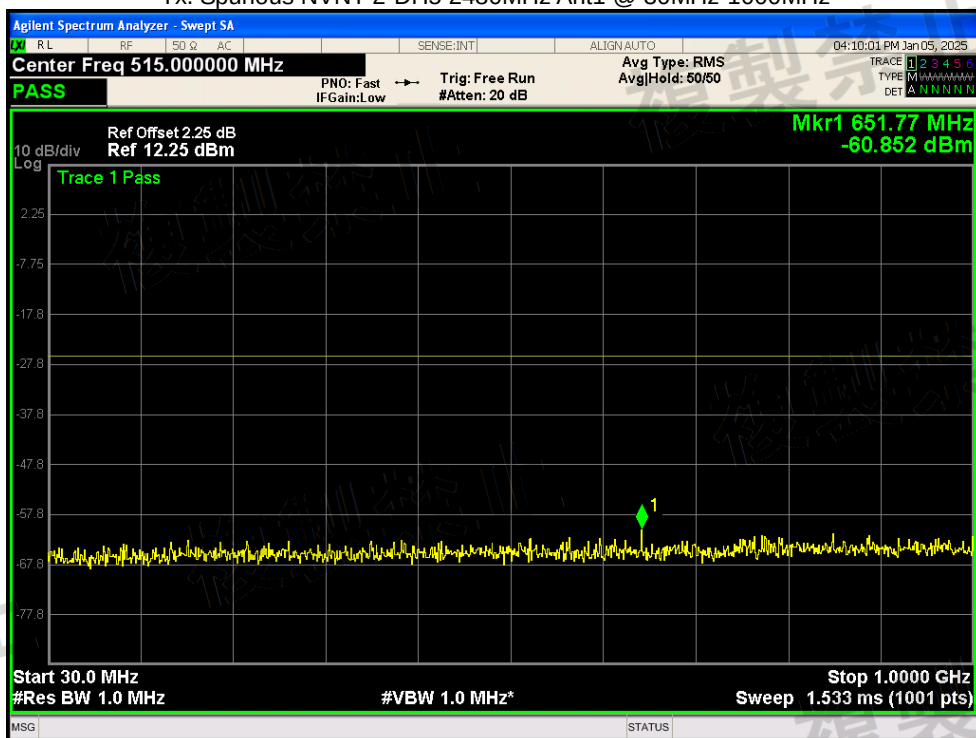
Tx: Spurious NVNT 2-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



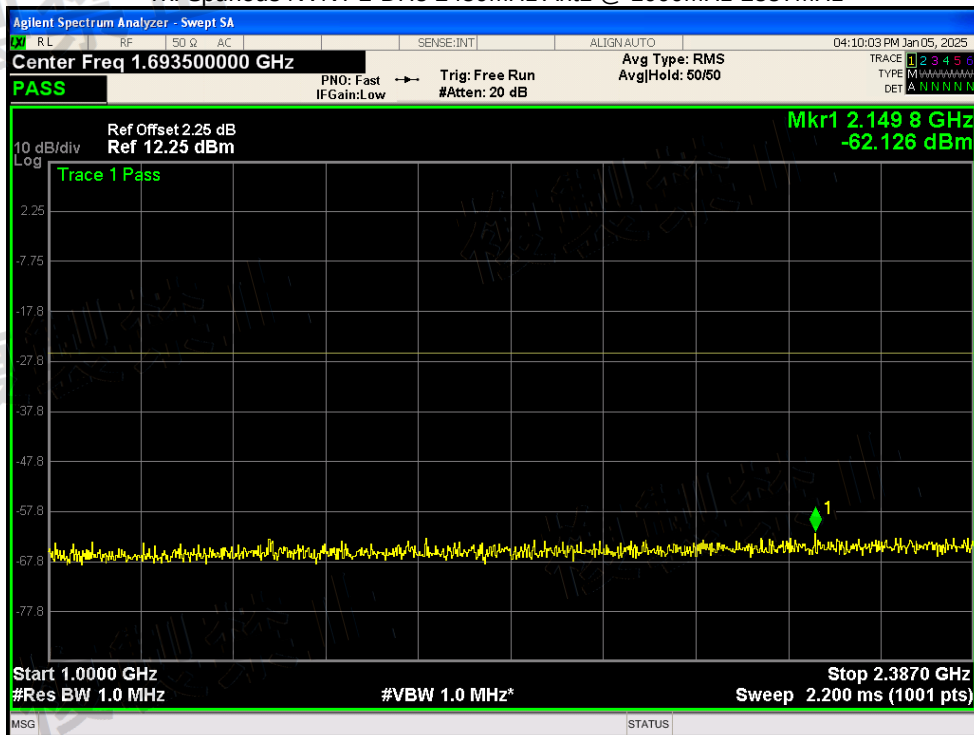
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



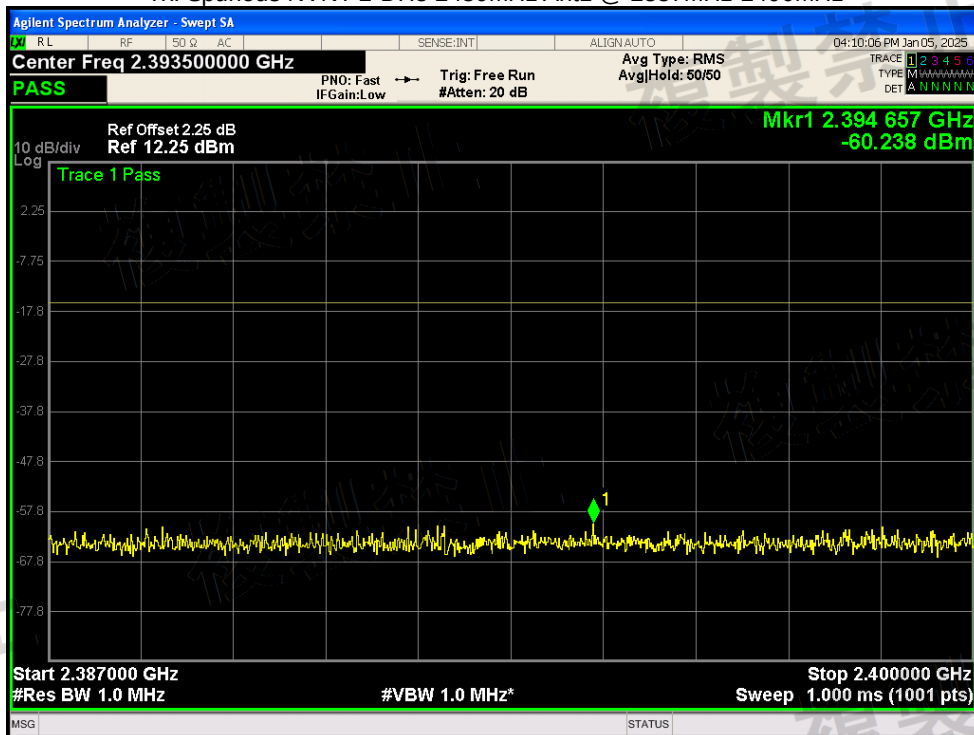
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



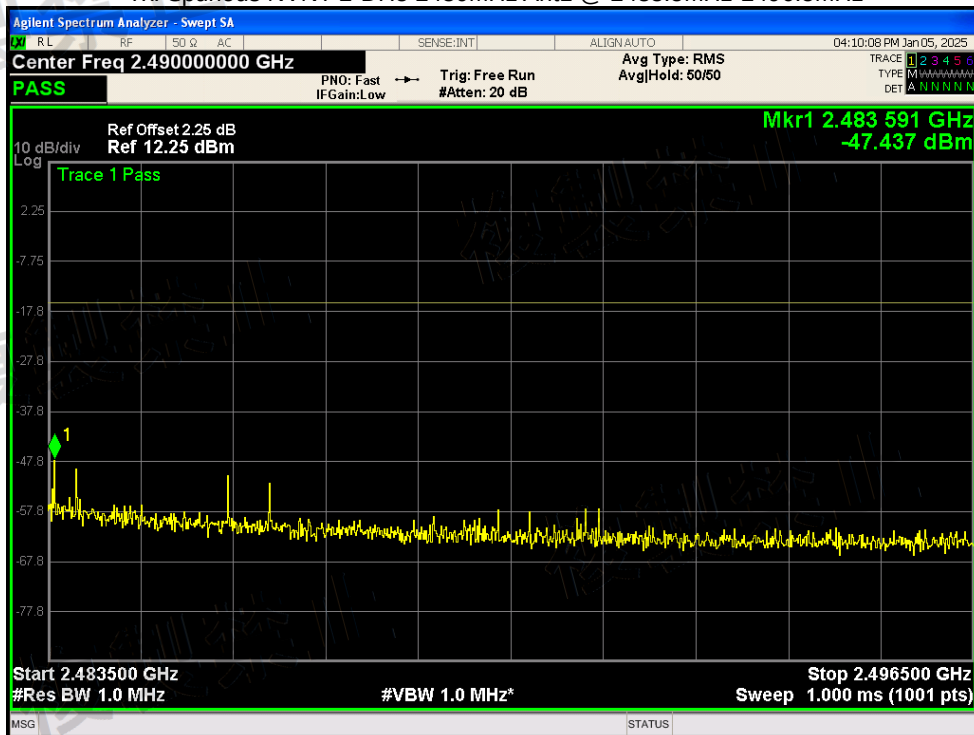
Tx: Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



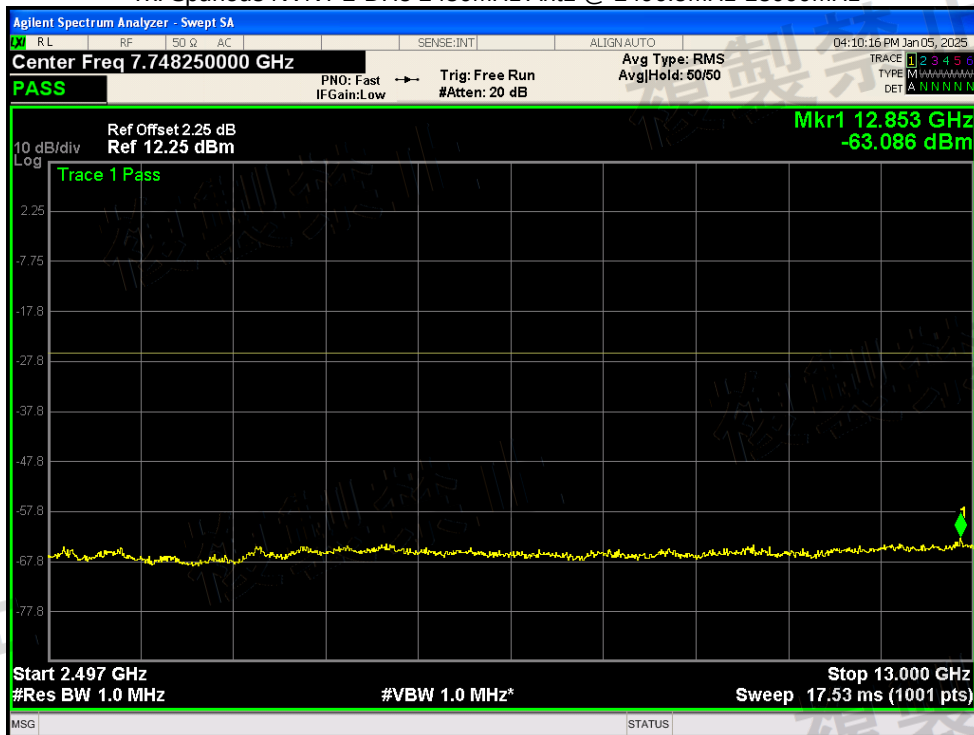
Tx: Spurious NVNT 2-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



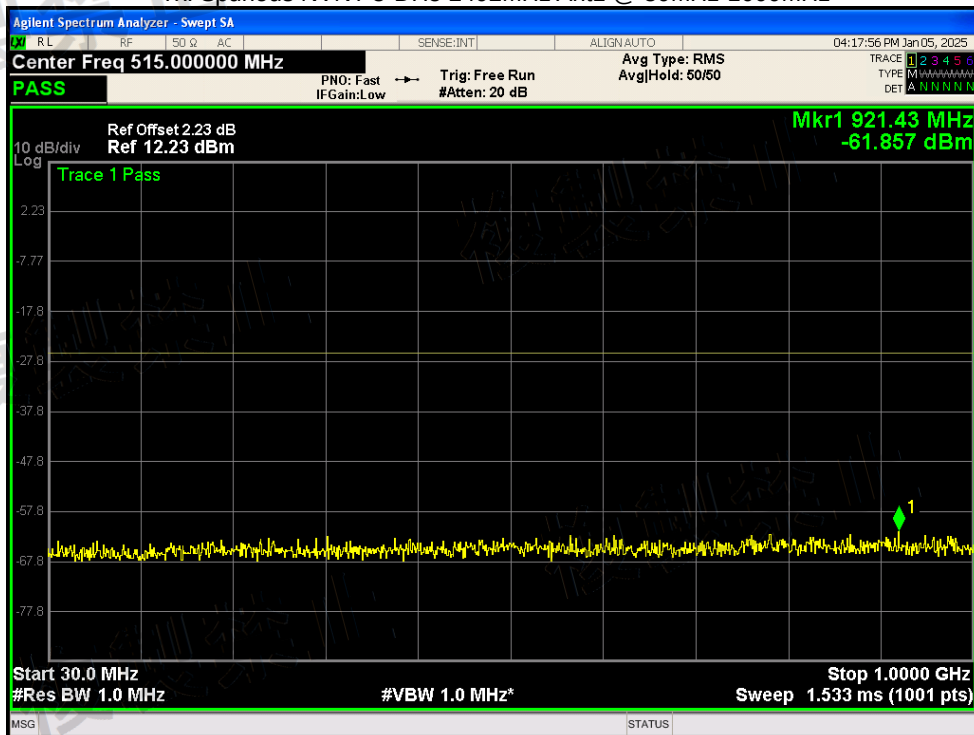
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



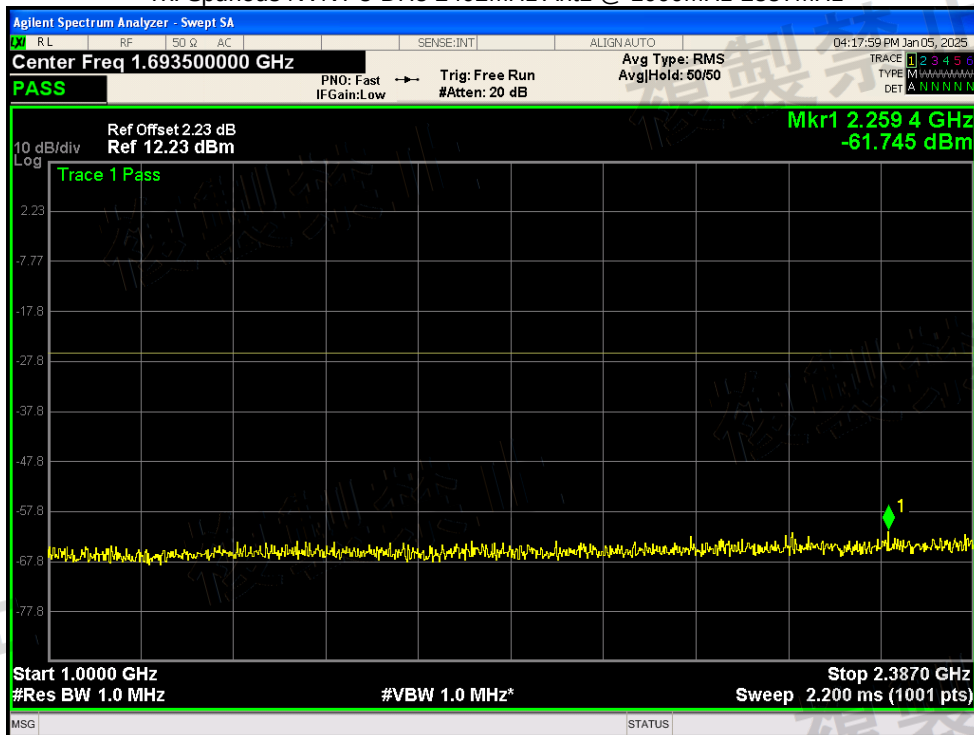
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz



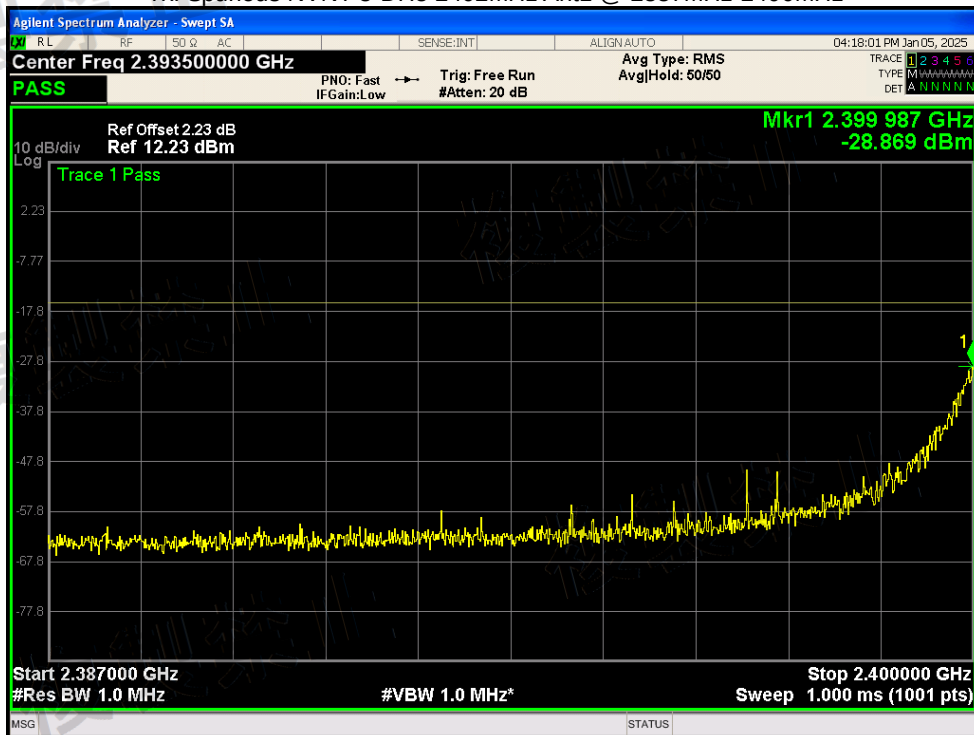
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz



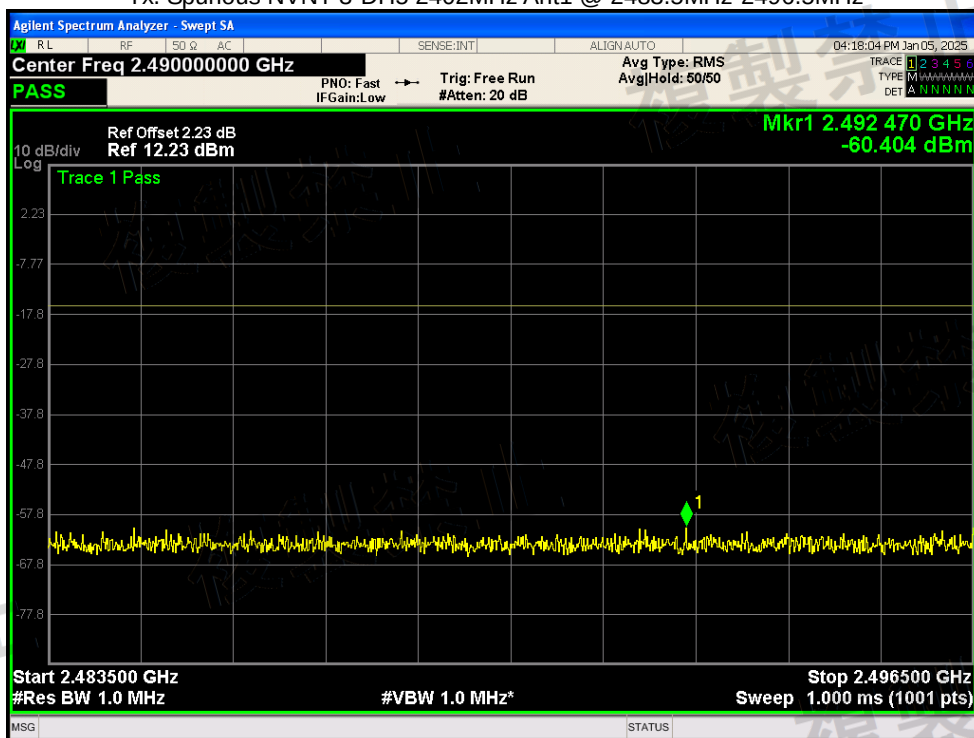
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



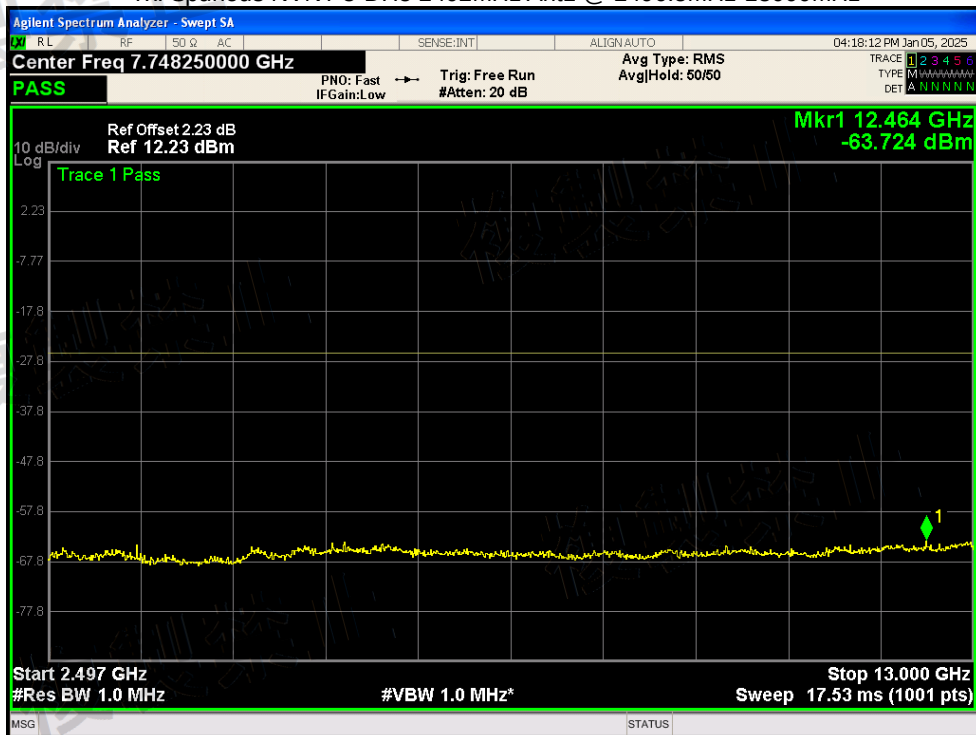
Tx: Spurious NVNT 3-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



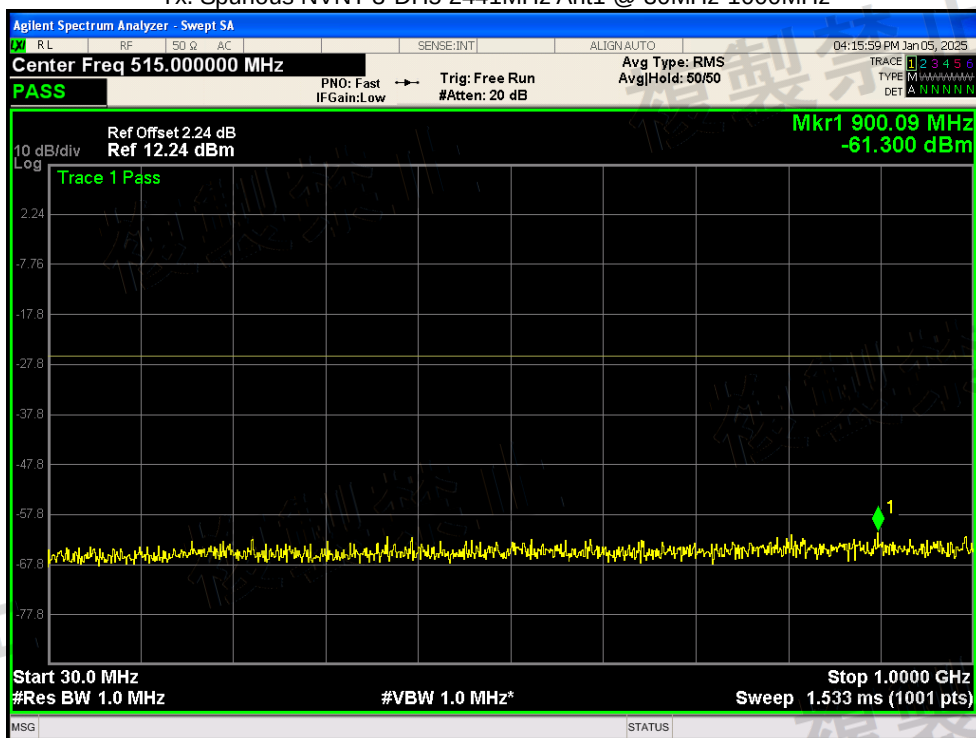
Tx: Spurious NVNT 3-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



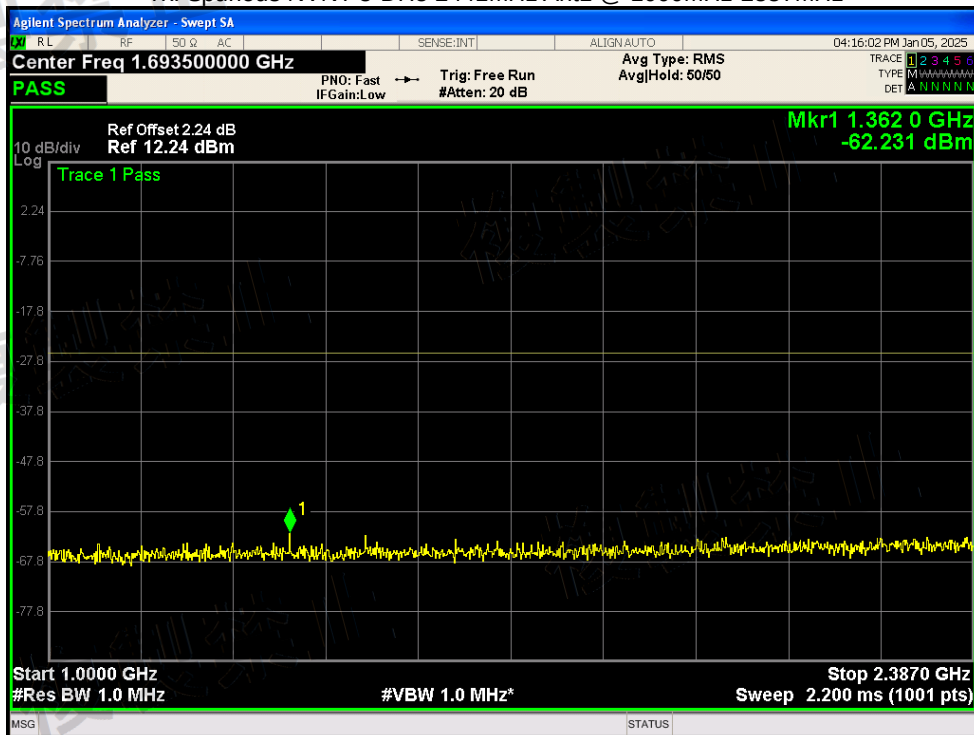
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



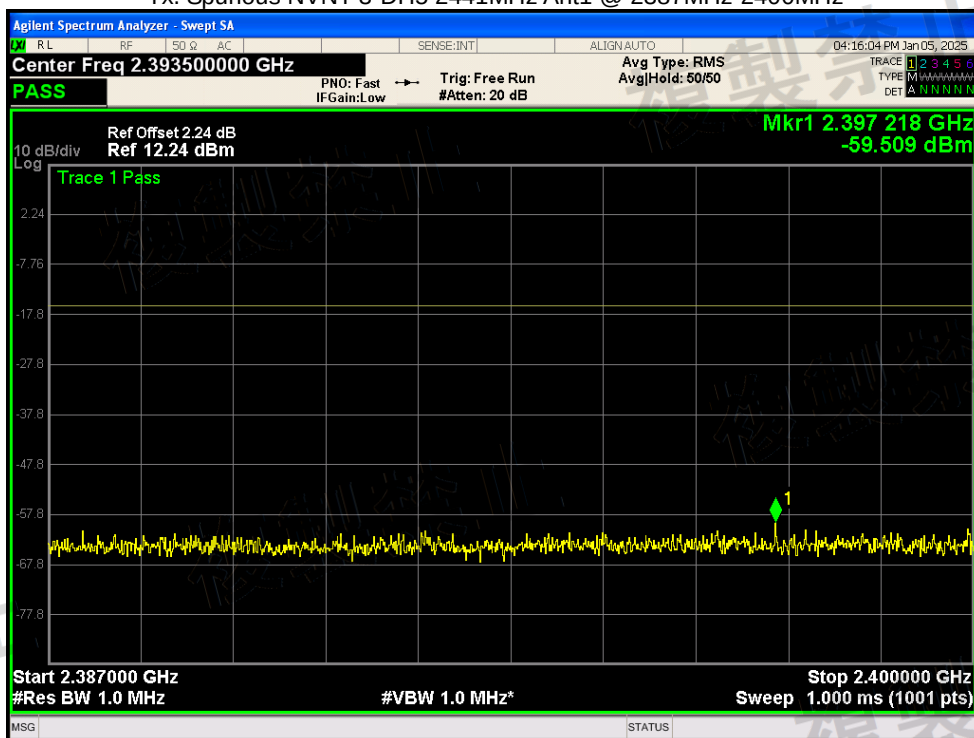
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



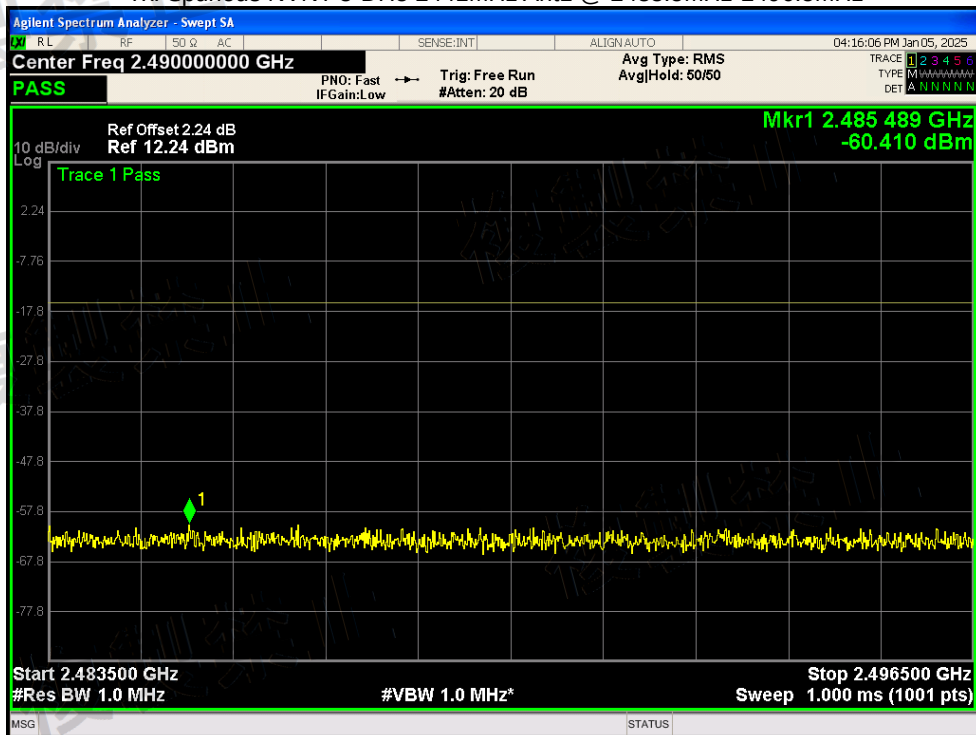
Tx: Spurious NVNT 3-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



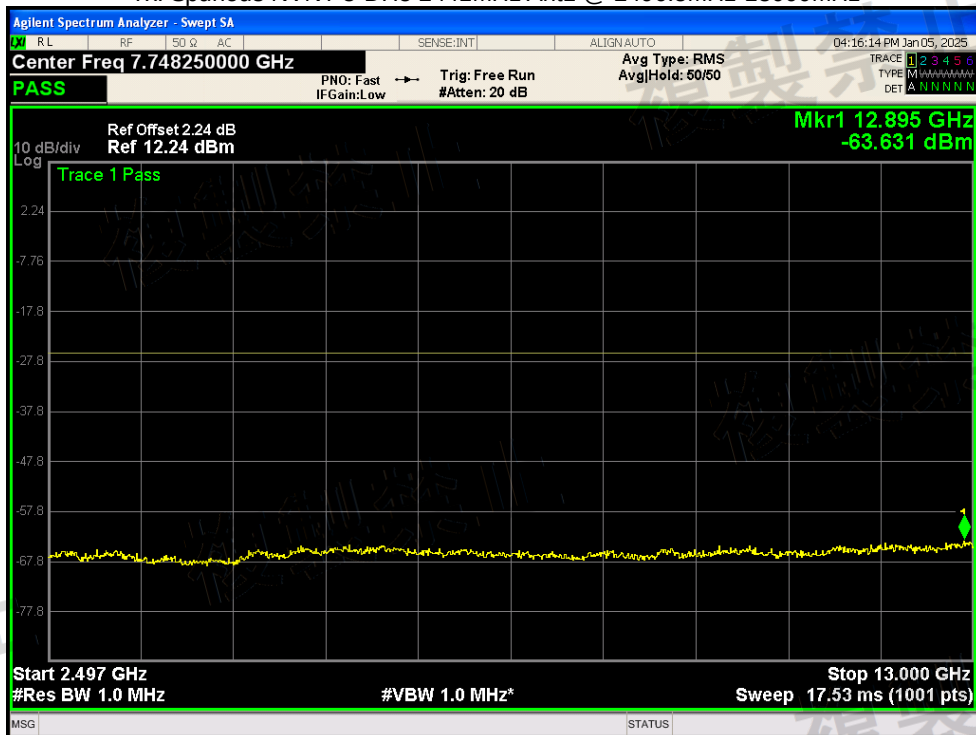
Tx: Spurious NVNT 3-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



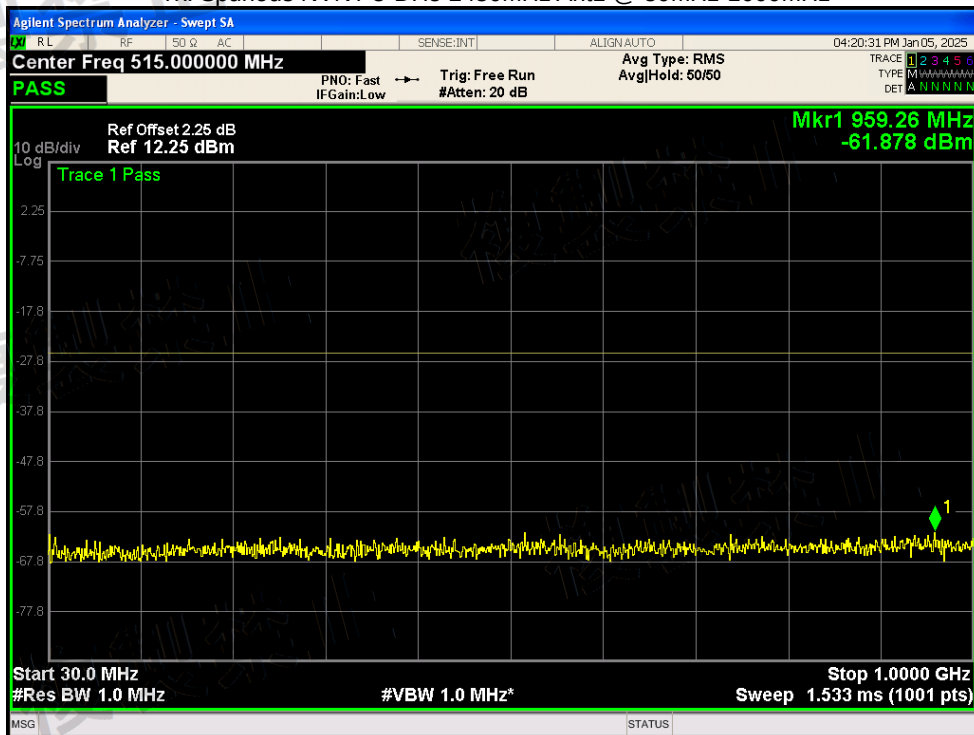
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



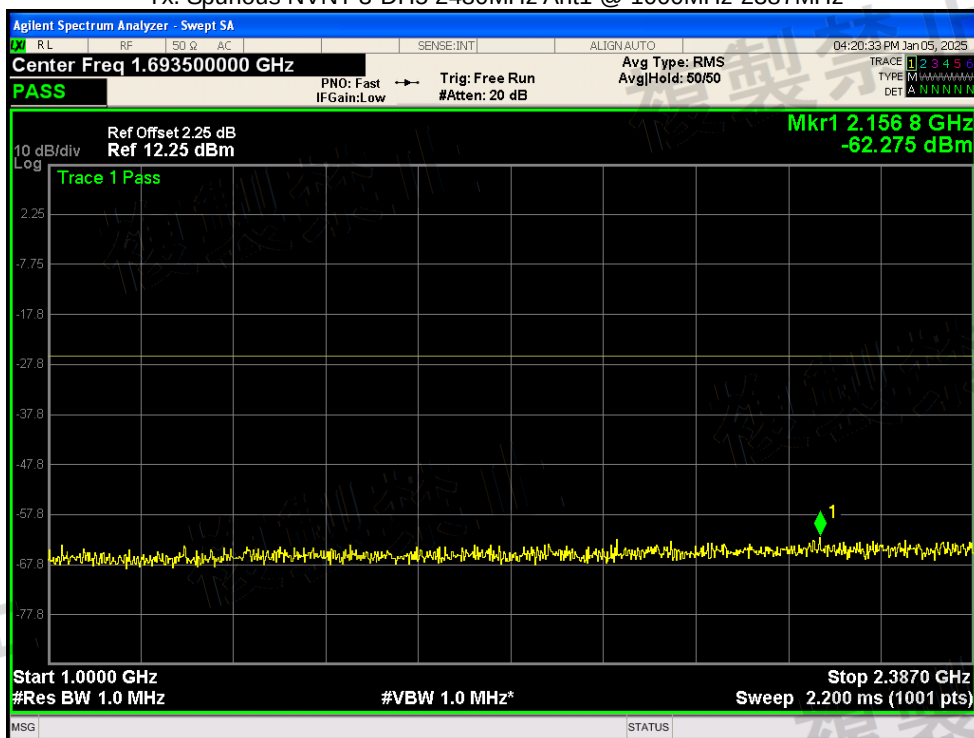
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



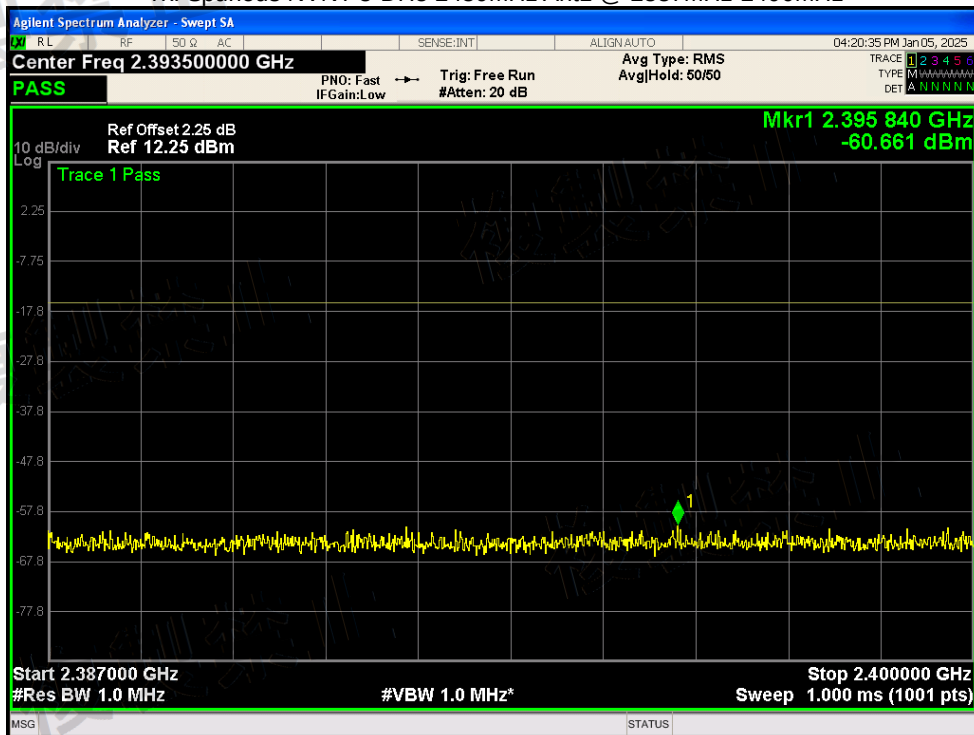
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 30MHz-1000MHz



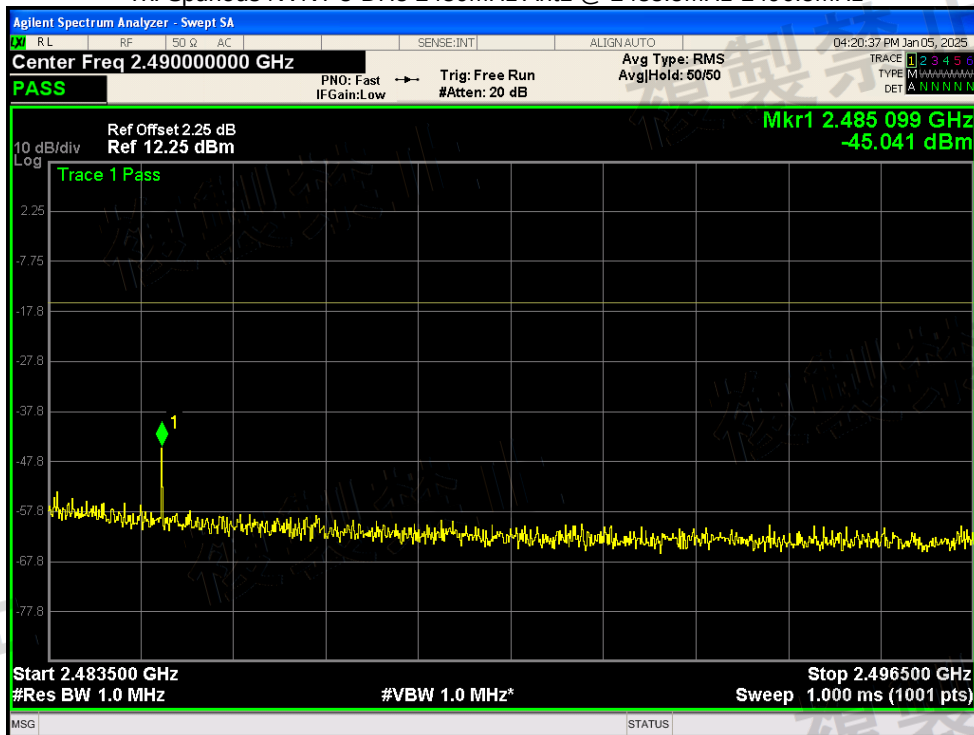
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



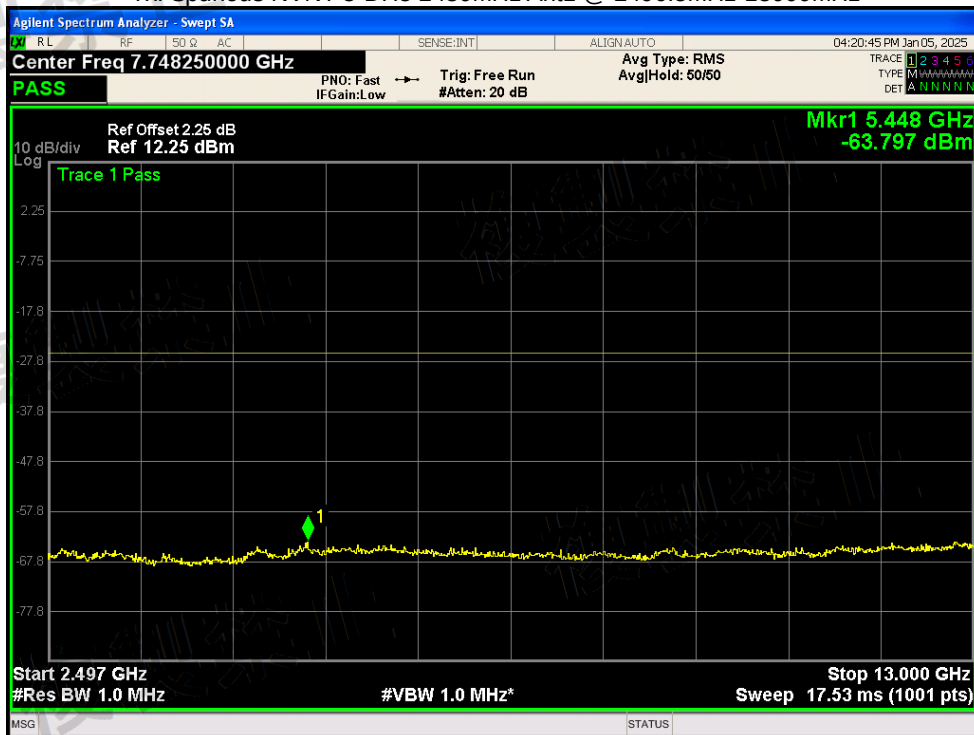
Tx: Spurious NVNT 3-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



Tx: Spurious NVNT 3-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



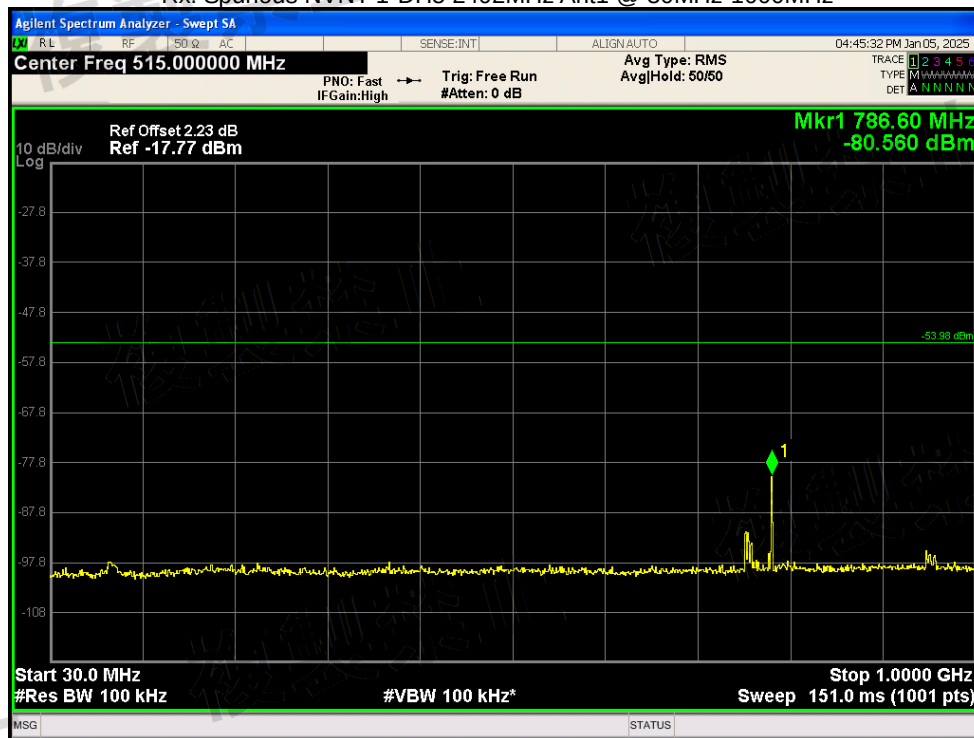
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz



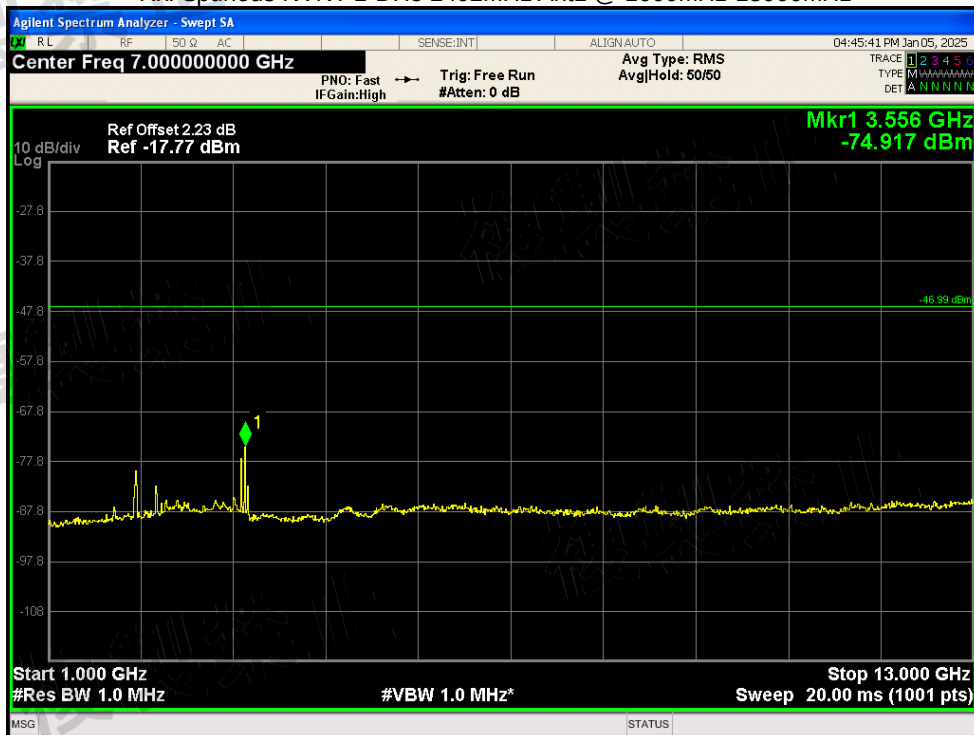
13.6 RX SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	1-DH5	2402	Ant1	30-1000	786.6	-80.56	0.0088	4	Pass
NVNT	1-DH5	2402	Ant1	1000-13000	3556	-74.92	0.0322	20	Pass
NVNT	1-DH5	2441	Ant1	30-1000	786.6	-83.12	0.0049	4	Pass
NVNT	1-DH5	2441	Ant1	1000-13000	2140	-78.67	0.0136	20	Pass
NVNT	1-DH5	2480	Ant1	30-1000	761.38	-86.92	0.002	4	Pass
NVNT	1-DH5	2480	Ant1	1000-13000	3580	-77.11	0.0195	20	Pass
NVNT	2-DH5	2402	Ant1	30-1000	761.38	-83.69	0.0043	4	Pass
NVNT	2-DH5	2402	Ant1	1000-13000	2140	-81.74	0.0067	20	Pass
NVNT	2-DH5	2441	Ant1	30-1000	786.6	-82.57	0.0055	4	Pass
NVNT	2-DH5	2441	Ant1	1000-13000	2140	-81.29	0.0074	20	Pass
NVNT	2-DH5	2480	Ant1	30-1000	786.6	-84.22	0.0038	4	Pass
NVNT	2-DH5	2480	Ant1	1000-13000	2140	-79.62	0.0109	20	Pass
NVNT	3-DH5	2402	Ant1	30-1000	764.29	-85.19	0.003	4	Pass
NVNT	3-DH5	2402	Ant1	1000-13000	2140	-81.89	0.0065	20	Pass
NVNT	3-DH5	2441	Ant1	30-1000	764.29	-84.68	0.0034	4	Pass
NVNT	3-DH5	2441	Ant1	1000-13000	3592	-79.38	0.0115	20	Pass
NVNT	3-DH5	2480	Ant1	30-1000	764.29	-83.74	0.0042	4	Pass
NVNT	3-DH5	2480	Ant1	1000-13000	2140	-81.04	0.0079	20	Pass

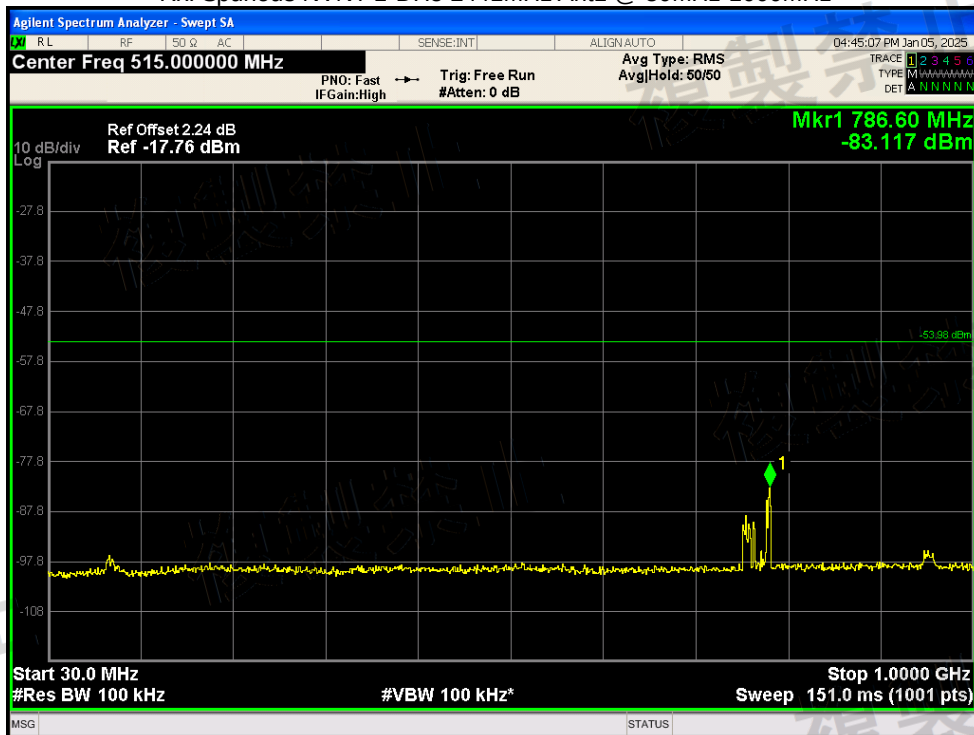
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



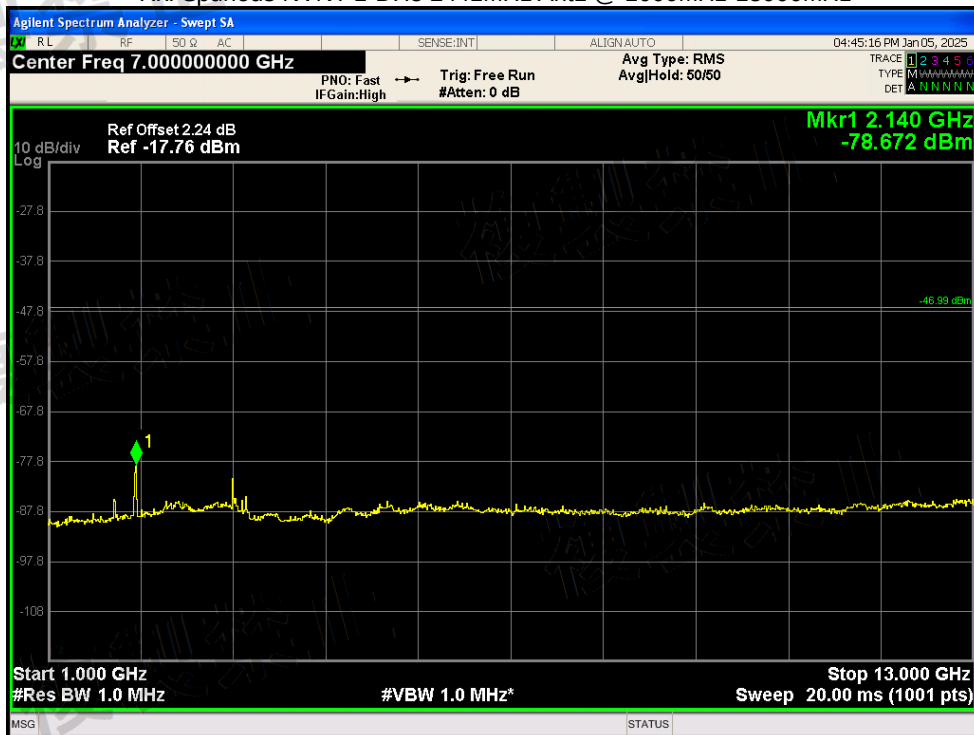
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



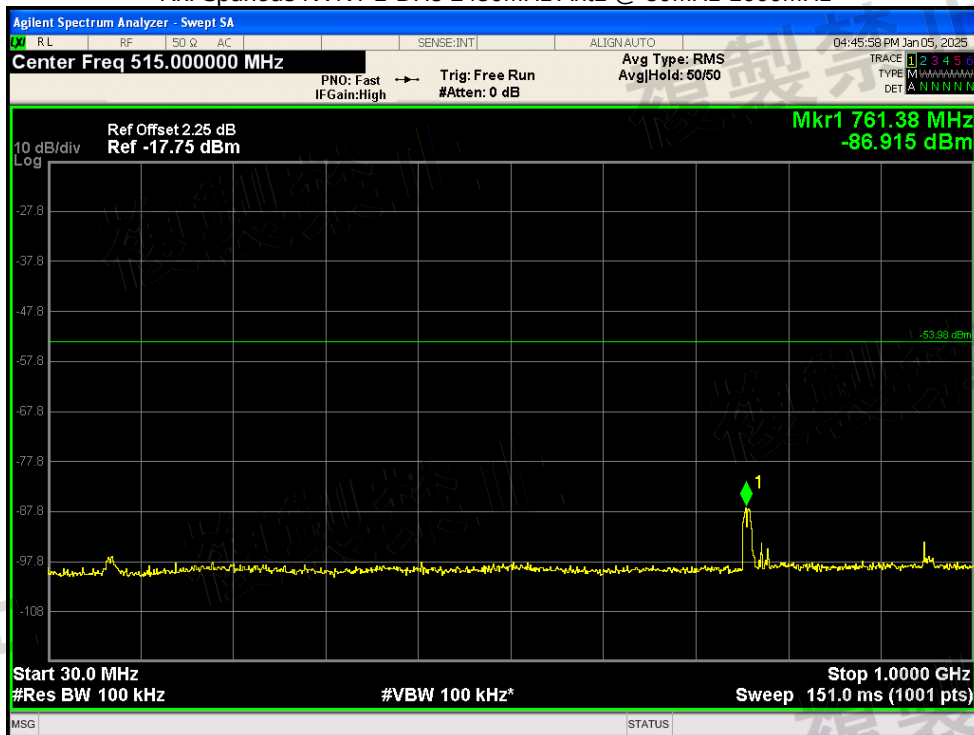
Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 30MHz-1000MHz



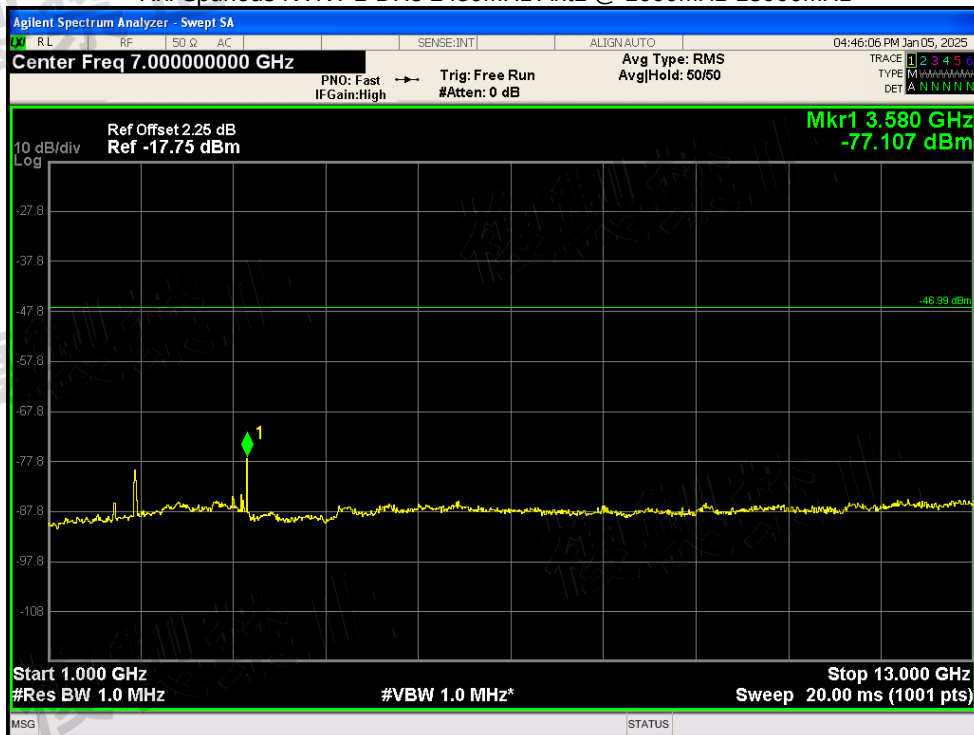
Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



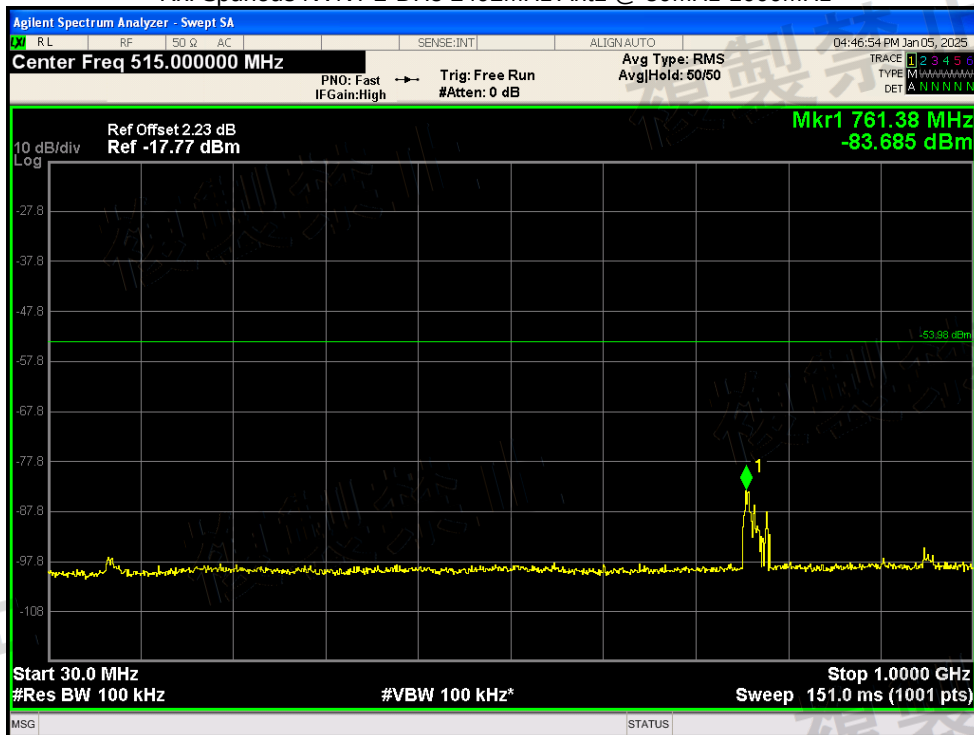
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



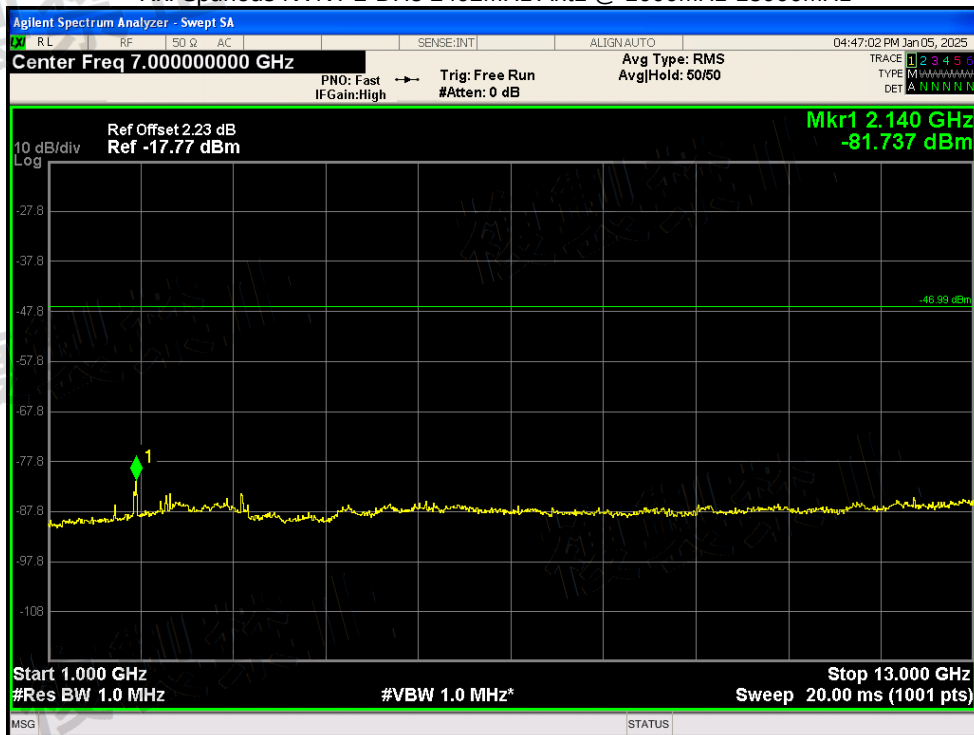
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



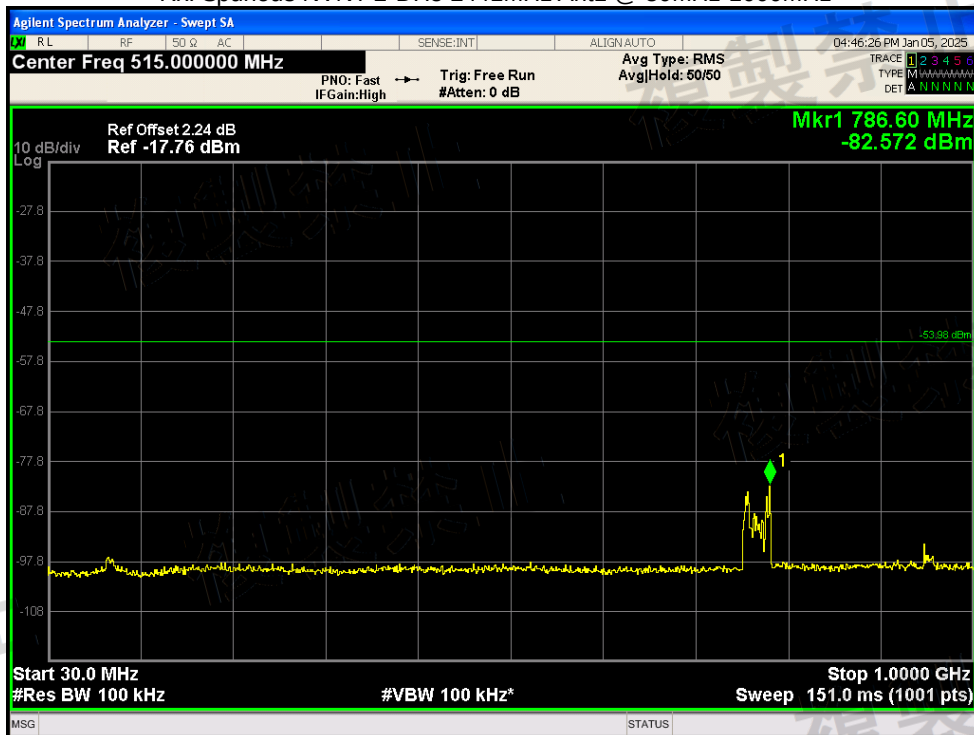
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 30MHz-1000MHz



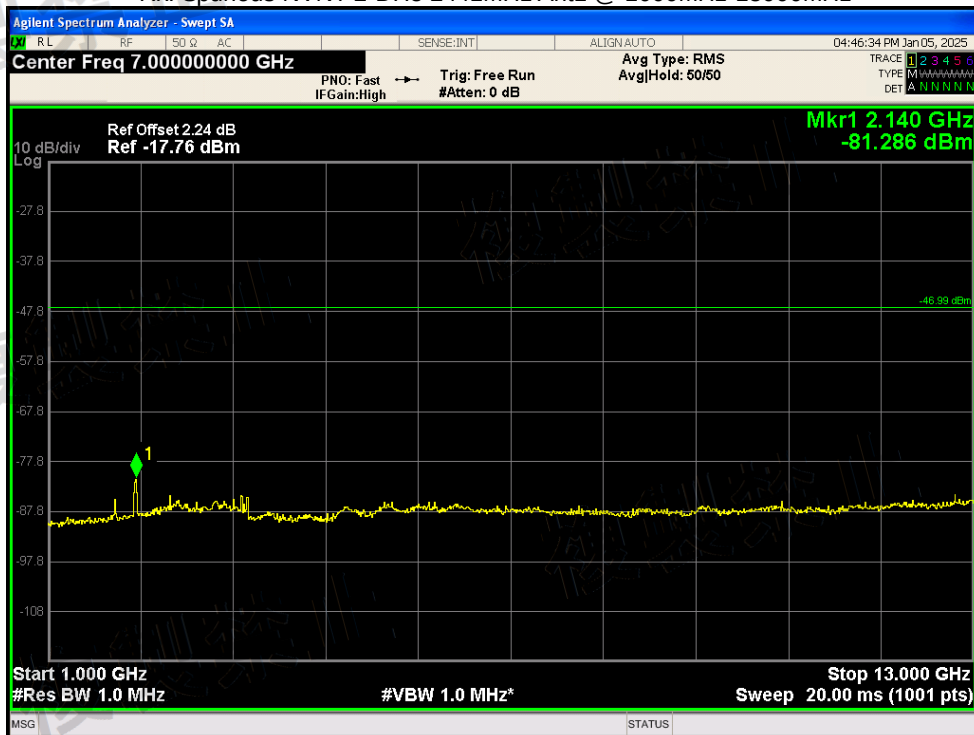
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



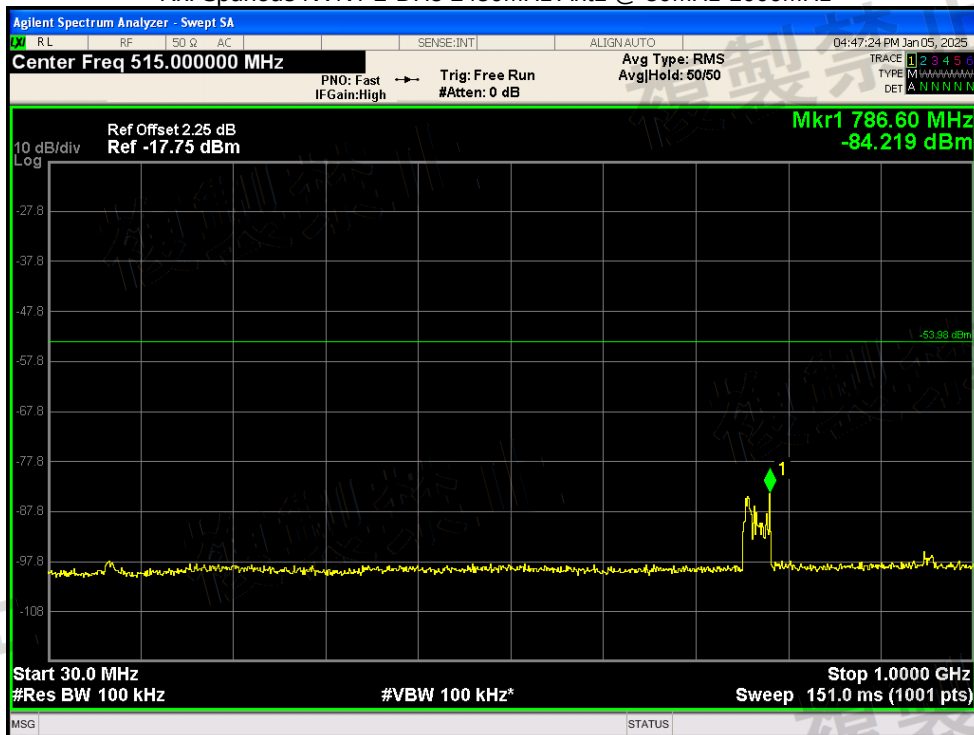
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



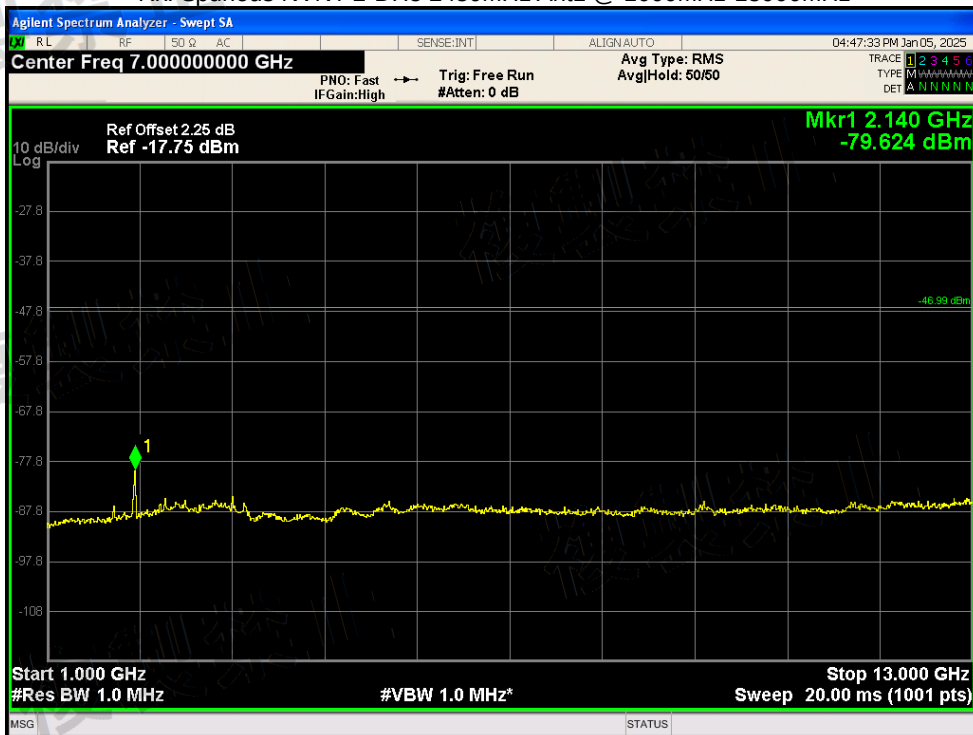
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



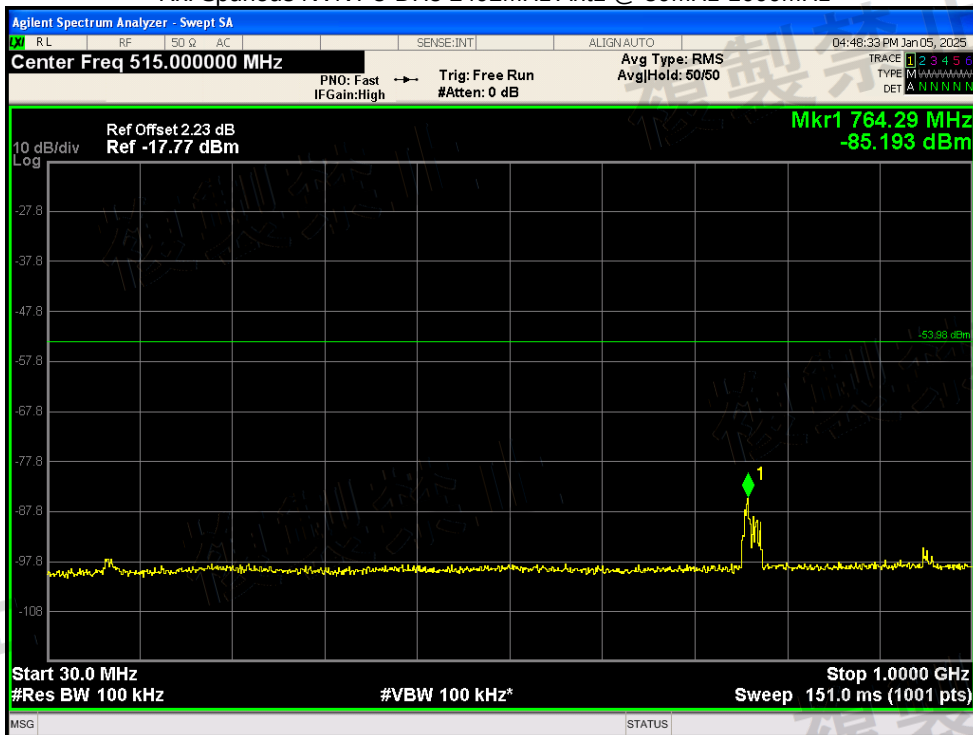
Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



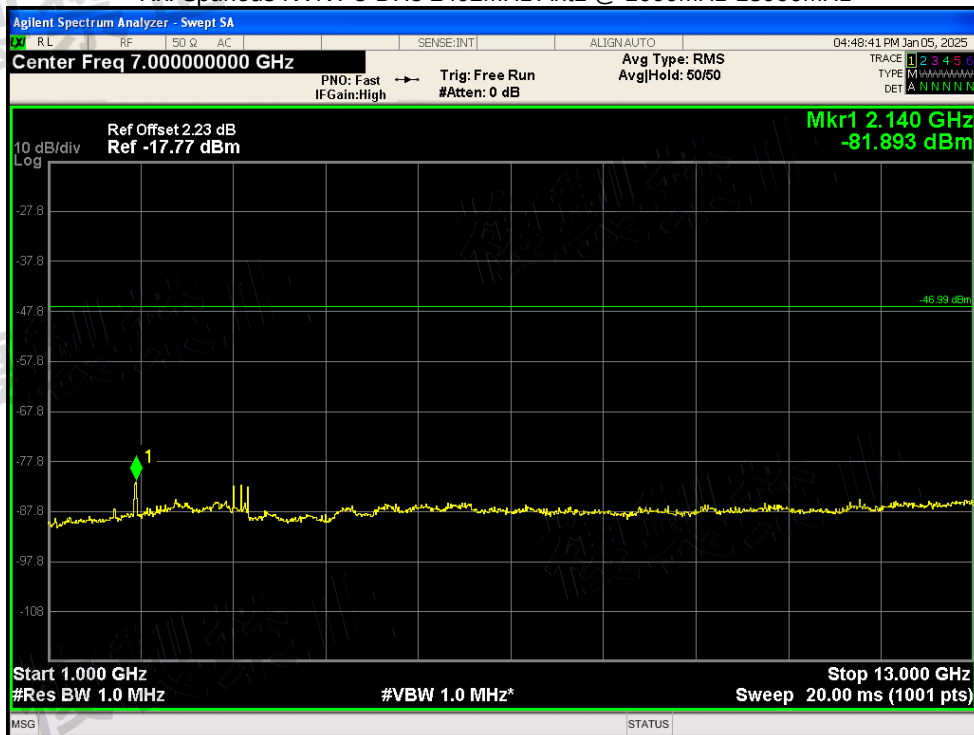
Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



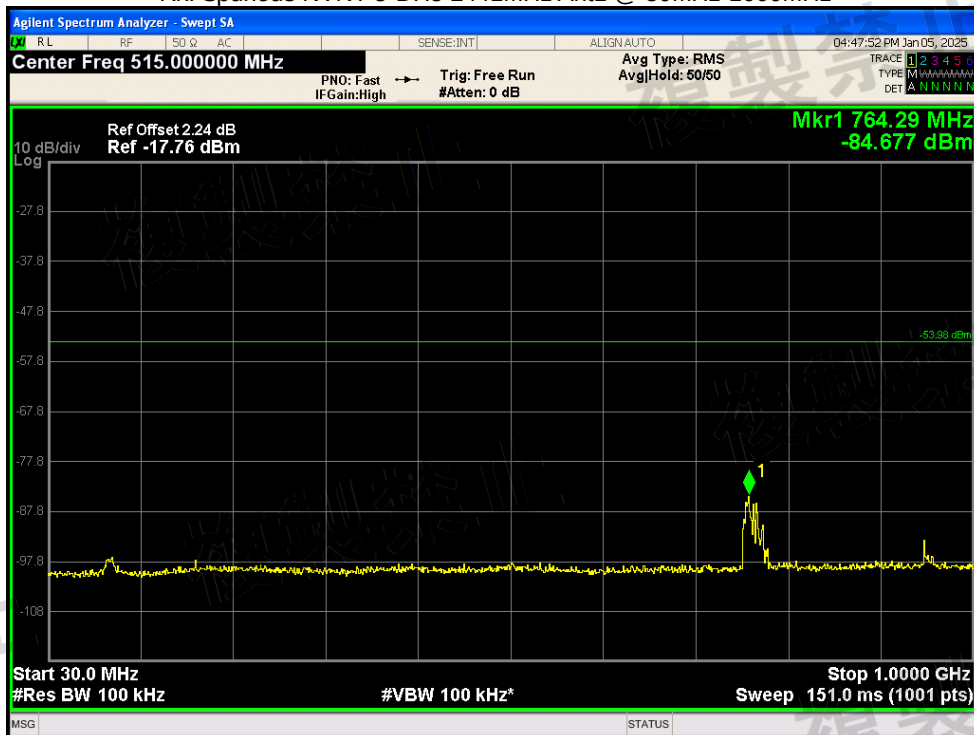
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz



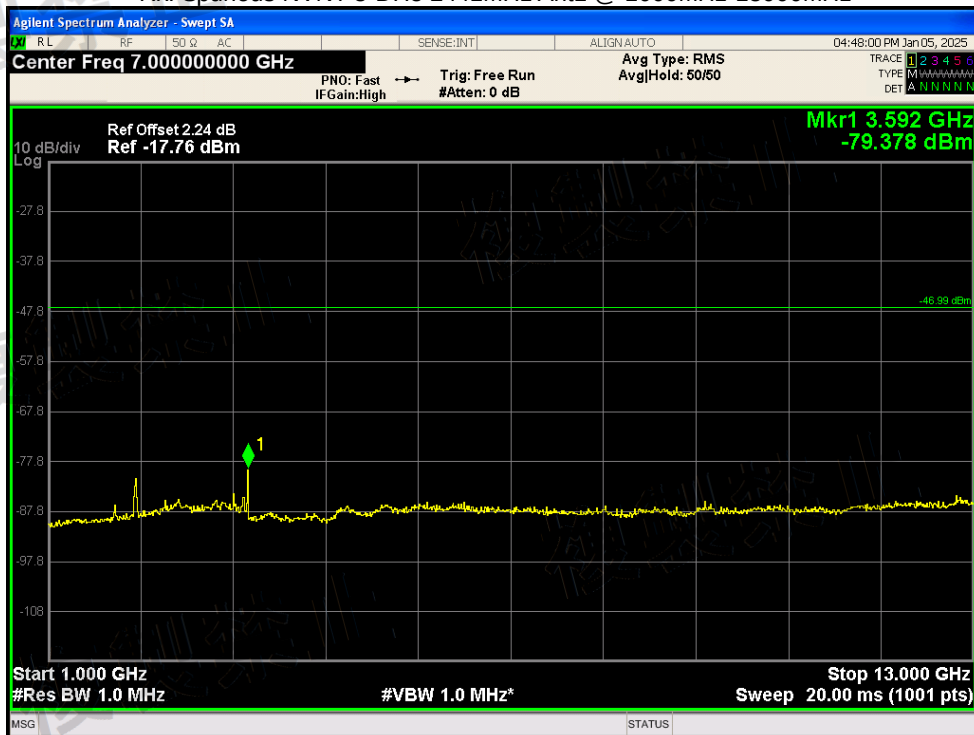
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



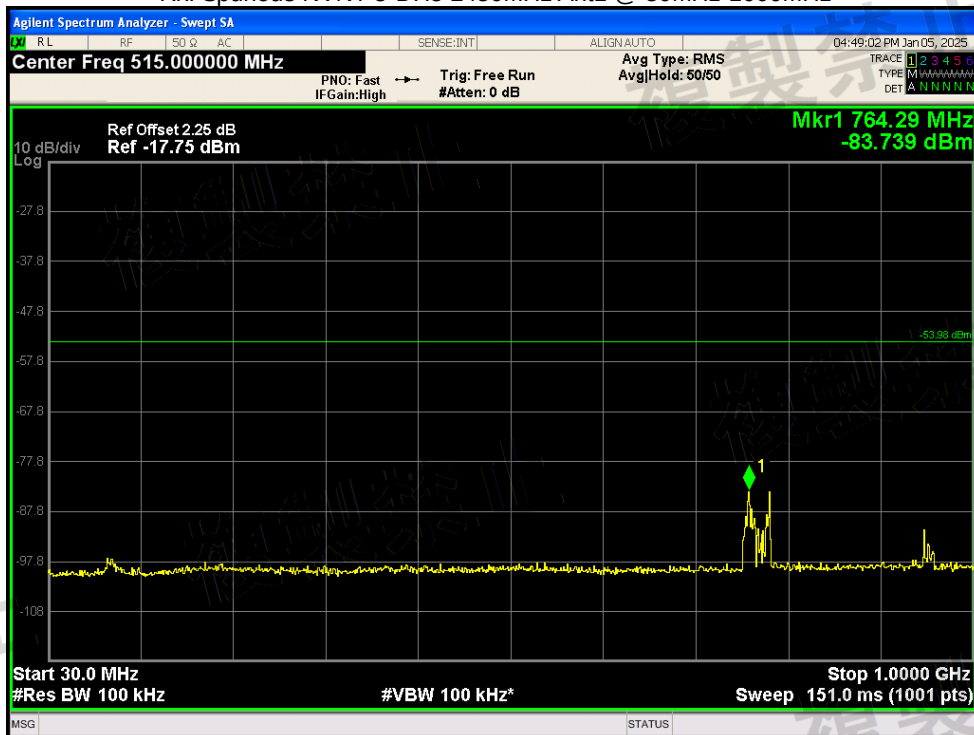
Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



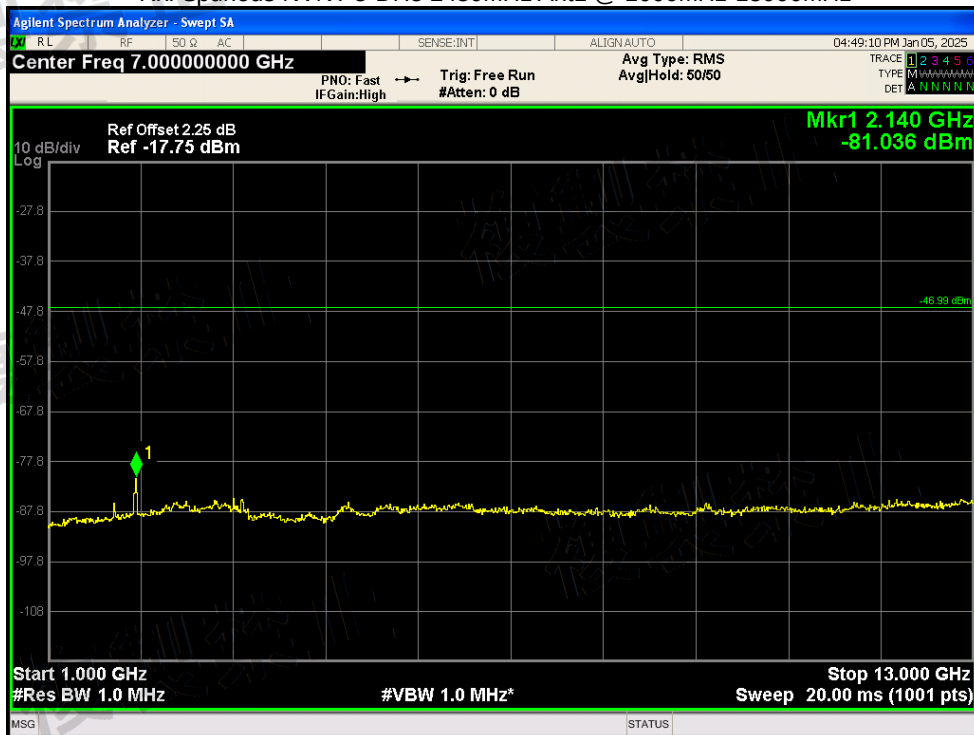
Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 30MHz-1000MHz



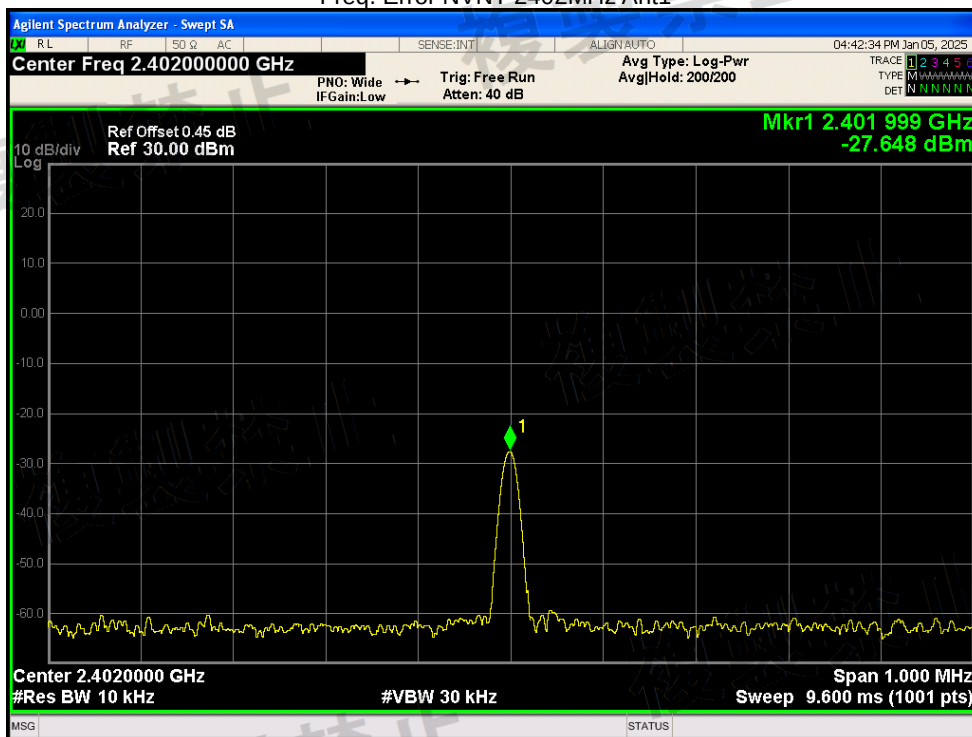
Rx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



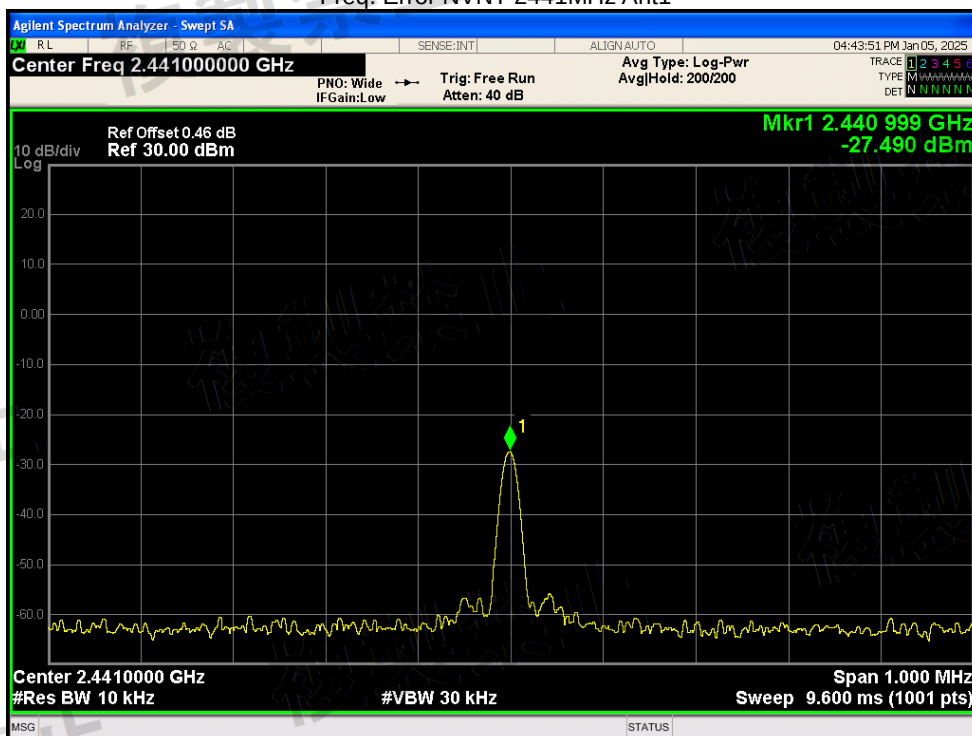
13.7 FREQUENCY ERROR

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	Un-modulation	2402	Ant1	2401.999	-0.42	50	Pass
NVNT	Un-modulation	2441	Ant1	2440.999	-0.41	50	Pass
NVNT	Un-modulation	2480	Ant1	2479.999	-0.4	50	Pass

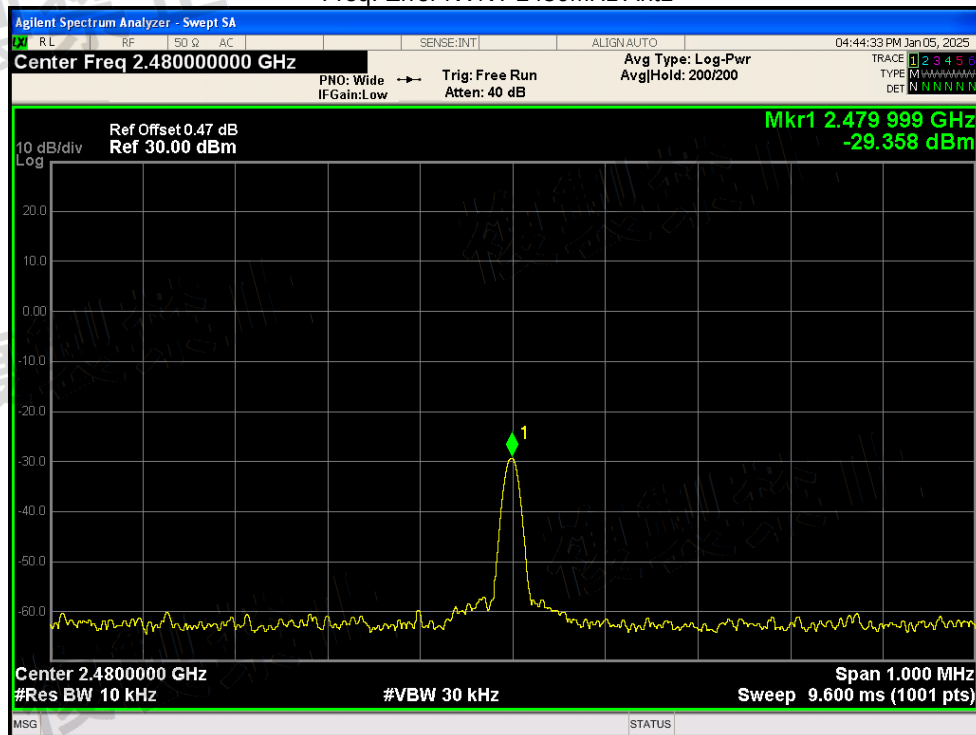
Freq. Error NVNT 2402MHz Ant1



Freq. Error NVNT 2441MHz Ant1



Freq. Error NVNT 2480MHz Ant1



REPORT IS FINISHED.