



RADIO TEST REPORT

Article 2 paragraph 1 item 19-3

MIC notice 88 Appendix 45

Product : InkPoster Affresco 13.3”

Trade Mark : PocketBook

Model Name : PB1330P1

Family Model : N/A

Report No. : S25033100706004

Prepared for

Pocketbook International SA.

Crocicchio Cortogna 6, 6900, Lugano, Switzerland

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name..... Pocketbook International SA.

Address..... Crocicchio Cortogna 6, 6900, Lugano, Switzerland

Manufacturer's Name..... Pocketbook International SA.

Address..... Crocicchio Cortogna 6, 6900, Lugano, Switzerland

Test specification:

Standard..... Article 2 paragraph 1 item 19-3
MIC Notice No.88 Appendix No.45

Test item description

Product name..... InkPoster Affresco 13.3”

Trade Mark..... PocketBook

Model and/or type reference PB1330P1

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 S250331007007

Date (s) of performance of tests Mar. 31, 2025 ~ Aug. 15, 2025

Date of Issue Aug. 15, 2025

Test Result..... Pass

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※ ※ Revision History ※ ※

REV.	REPORT NO.	Page Revised	ISSUED DATE	Contents
Original	S25033100706004	Rev.01	Aug. 15, 2025	N/A

Table of Contents

	Page
1 . SUMMARY OF TEST RESULTS	7
1.1 TEST FACILITY	8
1.2 MEASUREMENT UNCERTAINTY	8
2 . GENERAL INFORMATION	9
2.1 GENERAL DESCRIPTION OF EUT	9
2.2 DESCRIPTION OF TEST MODES	11
2.3 TEST CONDITIONS	12
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	12
2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	13
2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS	14
3 . FREQUENCY ERROR	16
3.1 LIMIT	16
3.2 MEASURING INSTRUMENTS AND SETTING	16
3.3 TEST PROCEDURES	16
3.4 TEST SETUP LAYOUT	16
3.5 EUT OPERATION DURING TEST	16
3.6 TEST RESULT	17
4 . OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)	18
4.1 LIMIT	18
4.2 TEST PROCEDURES	18
4.3 TEST SETUP LAYOUT	18
4.4 TEST DEVIATION	18
4.5 EUT OPERATION DURING TEST	18
4.6 TEST RESULT	18
5 . SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT	19
5.1 LIMIT	19
5.2 . TEST PROCEDURES	19
5.3 . TEST SETUP LAYOUT	20
5.4 . TEST DEVIATION	20
5.5 . TEST RESULT	20

Table of Contents

	Page
6 . ADJACENT CHANNEL POWER TOLERANCE	21
6.1 LIMIT	21
6.2 TEST PROCEDURES	21
6.3 TEST SETUP	22
6.4 TEST DEVIATION	22
7.5 EUT OPERATION DURING TEST	22
7.6 TEST RESULT	22
7 . RF OUTPUT POWER / TOLERANCE	23
7.1 LIMIT	23
8.2 TEST DEVIATION	23
8.3 EUT OPERATION DURING TEST	23
8.4 TEST PROCEDURES	23
8.5 TEST SETUP	24
8.6 TEST RESULT	24
8 . E.I.R.P MEASUREMENT	25
8.1 LIMIT	25
8.2 TEST PROCEDURES	25
8.3 TEST SETUP LAYOUT	25
8.4 TEST DEVIATION	25
8.5 EUT OPERATION DURING TEST	25
8.6 TEST RESULT	25
10 SPURIOUS EMISSIONS FOR RECEIVER	26
10.1 LIMIT	26
10.2 TEST PROCEDURE	26
10.3 TEST SETUP LAYOUT	26
10.4 TEST DEVIATION	26
10.5 EUT OPERATION DURING TEST	26
10.6 TEST RESULT	26
11 BURST LENGTH	27
11.1 LIMITS OF BURST LENGTH	27
11.2 MEASURING INSTRUMENTS	27
11.3 TEST PROCEDURES	27
11.4 TEST SETUP	27

Table of Contents

	Page
11.5 TEST DEVIATION	27
11.6 EUT OPERATION DURING TEST	27
11.7 TEST RESULT	27
12 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT	28
12.1 LIMIT	28
12.2 MEASURING ID CODE SOFTWARE	28
12.3 TEST PROCEDURES	28
12.4 TEST SETUP LAYOUT	28
12.5 TEST DEVIATION	28
12.6 EUT OPERATION DURING TEST	28
12.7 TEST RESULT	29
13 CARRIER SENSE CAPABILITY	30
13.1 LIMIT	30
13.2 TEST PROCEDURE	30
13.3 TEST RESULT	30
14. TEST RESULTS	31
14.1 ANTENNA AND EIRP POWER	31
14.2 EIRP POWER	44
14.3 OCCUPIED CHANNEL BANDWIDTH	44
14.4 TX SPURIOUS EMISSION	51
14.5 BURST LENGTH	90
14.6 RX SPURIOUS EMISSION	97
14.7 ADJACENT CHANNEL EMITTED POWER	110
14.8 FREQUENCY ERROR	117

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Standard	Method	Description of Test	Result
Article 2 paragraph 1 item (19)-3	MIC Notice No.88 Appendix No.45.3	Frequency Error	Complies
	MIC Notice No.88 Appendix No.45.4	Occupied Bandwidth (99%)	Complies
	MIC Notice No.88 Appendix No.45.6	RF Output Power/Tolerance	Complies
	MIC Notice No.88 Appendix No.45.6	E.I.R.P	Complies
	MIC Notice No.88 Appendix No.45.5	Unwanted Emission Strength	Complies
	MIC Notice No.88 Appendix No.45.7	Adjacent Channel Leakage Power	Complies
	MIC Notice No.88 Appendix No.45.8	Out-Band Leakage Power	Complies
	MIC Notice No.88 Appendix No.45.9	Secondary Radiation Emission Strength	Complies
	MIC Notice No.88 Appendix No.45.3.10	Transmission Burst Length	Complies
	MIC Notice No.88 Appendix No.45.11	Interference Prevention Function	Complies
	MIC Notice No.88 Appendix No.45.12	Carrier Sensing Function	Complies
	MIC Notice No.88 Appendix No.45.13,14	DFS	N/A
	MIC Ordinance Regulating Radio Equipment Section 1.A of Article 49.20.3	Construction Protection Confirmation	Please refer to Japan Radio Protection Declaration

Note: "N/A" means not applicable in the report.

1.1 TEST FACILITY

Site Description

CNAS-Lab. : The Certificate Registration Number is L5516.

IC-Registration : The Certificate Registration Number is 9270A.

CAB identifier:CN0074

FCC- Accredited : Test Firm Registration Number: 463705.

Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

Name of Firm : Shenzhen NTEK Testing Technology Co., Ltd.

Site Location : No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China

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	InkPoster Affresco 13.3”	
Trade Mark	PocketBook	
Model Name	PB1330P1	
Family Model	N/A	
Model Difference	N/A	
Product Description	The EUT is a InkPoster Affresco 13.3”	
	Operation Frequency:	5150.0MHz ~ 5250.0MHz
	Modulation Type:	802.11a:OFDM (BPSK / QPSK / 16QAM, 64 QAM) 802.11n:OFDM (QPSK/BPSK/16QAM/64QAM) 802.11ac:OFDM (QPSK/BPSK/16QAM/64QAM) 802.11ax: OFDMA (QPSK,BPSK,16QAM,64QAM,256QAM,1024QAM)
	Number Of Channel	Please see Note 2.
	Support TPC	☐ YES ☒ NO
	Antenna Designation:	FPC Antenna
	Antenna Gain	5.56 dBi
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	
Channel List	Please refer to the Note 2.	
Adapter	Model: UNVUU3030-200015CB Input: 100-240V~50/60Hz 0.9A Output: 5V --- 3.0A, 9V --- 3.0A, 12V --- 2.5A, 15V --- 2.0A, 20V---1.5A	
Battery	DC 3.85V, 5000mAh, 19.25Wh	
Rating(s)	DC 3.85V from battery or DC 5V from adapter	
Hardware Version	v. 1.0	
Firmware Version	1330.1.1.xxx	
Software Version	N/A	

Note:

1. Frequency used for the ARIB STD-T71:
 - (a) The frequency used in the 20 MHz system shall be one of the following.
 - ① 5,180 MHz, 5,200 MHz, 5,240 MHz
 - (b) The frequency used in the 40 MHz system shall be one of the following.
 - ① 5,190 MHz, 5,230 MHz
 - (c) The frequency used in the 80 MHz system shall be one of the following.
 - ① 5, 210 MHz
2. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3.

Carrier Frequency Channel (802.11a)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240

Carrier Frequency Channel (802.11n20/ac20)/ax20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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	802.11a /n(20)/ac(20)/ax20/ CH 36/ CH 40/ CH 48

Note: 802.11ax supports only full RU.

2.3 TEST CONDITIONS

The WIFI 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.

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
DC Power	DC 3.85V	DC 4.24V	DC 3.47V
RF Chip	DC 3.3V	DC 3.3V	DC 3.3V

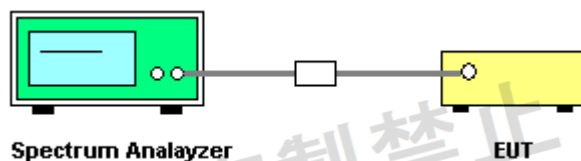
NOTE:

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%, if 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%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 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	InkPoster Affresco 13.3”	PB1330P1	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”.

2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period	Cal.Infor.
								Method
1	SPECTRUM ANALYZER	AGLIENT	E4440A	MY41000130	2024.04.26 2025.04.25	2025.04.25 2026.04.24	1 YEAR	C
2	SPECTRUM ANALYZER	AGILENT	N9020A	MY49100060	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 YEAR	C
3	TEST RECEIVER	R&S	ESPI7	101318	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 YEAR	C
4	50Ω COAXIAL SWITCH	ANRITSU	MP59B	6200983705	2024.04.26	2027.04.25	3 YEAR	C
5	HORN ANTENNA	SCHWARZBECK	BBHA 9120 D	2816	2024.05.18	2027.05.17	3 YEAR	C
6	HORN ANT	SCHWARZBECK	BBHA 9170	9170-181	2024.05.12	2027.05.11	3 YEAR	C
7	PRE-AMPLIFIER	EMC	EMC051835SE	980246	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 YEAR	C
8	POWER METER	DARE	RPR3006W	15I00041SNO84	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 YEAR	C
9	TEMPORARY ANTENNA CONNECTOR (NOTE)	NTS	R001	N/A	N/A	N/A	N/A	N/A
10	DC POWER SUPPLY	ZHAOXIN	PS-6005D	20170402923	2023.05.06	2026.05.05	3 YEAR	C
11	ESG VETCTOR SIGNAL GENERAROR	AGILENT	E4438C	MY45093347	2024.04.13 2025.04.17	2025.04.12 2026.04.16	1 YEAR	C
12	PSG ANALOG SIGNAL GENERATOR	AGILENT	E8257D	MY51110112	2024.05.30 2025.04.17	2025.05.29 2026.04.16	1 YEAR	C

Note:

Calibration Method:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1)

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

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

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c).

The calibration corresponds to c described above.

All the equipments for Guangzhou Lisai Calibration.

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	+/-20ppm

3.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

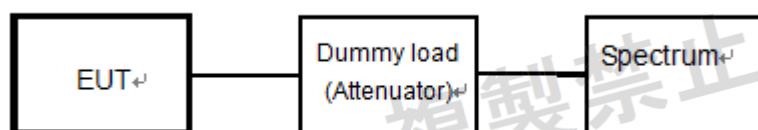
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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



3.5 EUT OPERATION DURING TEST

The EUT was placed on the test table and programmed in un-modulation function.

3.6 TEST RESULT

EUT:	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	unmodulated-(5.2G)		

Test data reference attachment

4. OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

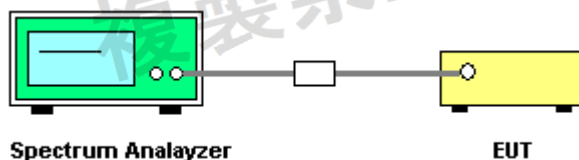
4.1 LIMIT

Items	Limits
(a) ① for Section 2.1, Note 1	≤20MHz;
(b) ① for Section 2.1, Note 1	≤40MHz
(c) ① for Section 2.1, Note 1	≤80MHz

4.2 TEST PROCEDURES

- Setting of SA is following as: RBW: 300KHz /VBW:300KHz/Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
- EUT have transmitted each modulation signal and fixed channelize (For DSSS or OFDM Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than specific value as section 3.2.1.

4.3 TEST SETUP LAYOUT



4.4 TEST DEVIATION

There is no deviation with the original standard.

4.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-802.11a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

5. SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT

5.1 LIMIT

W52			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,142 MHz or less : 2.5 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz	5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz	5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
	5,250 - 5,250.2 MHz : $10^{-1} \cdot (9/50)(f-9.75)$ mW/MHz		
5,250 - 5,251 MHz : $10^{-1} \cdot (f-9)$ mW/MHz	5,250.2 - 5,251 MHz : $10^{-1} \cdot (f-9)$ mW/MHz	5,250 - 5,251 MHz : $10^{-1} \cdot (f-9) + \log(1/2)$ mW/MHz	5,250 - 5,251 MHz : $10^{-1} \cdot (f-9) + \log(1/4)$ mW/MHz
5,251 - 5,260 MHz : $10^{-1} \cdot (9/90)(f-11)$ mW/MHz	5,251 - 5,260 MHz : $10^{-1} \cdot (9/90)(f-11)$ mW/MHz	5,251 - 5,270 MHz : $10^{-1} \cdot (9/190)(f-21) - 1 + \log(1/2)$ mW/MHz	5,251 - 5,290 MHz : $10^{-1} \cdot (9/390)(f-41) - 1 + \log(1/4)$ mW/MHz
5,260 - 5,266.7 MHz : $10^{-1} \cdot (8-6/50)(f-20)$ mW/MHz	5,260 - 5,266.7 MHz : $10^{-1} \cdot (8-6/50)(f-20)$ mW/MHz	5,270 - 5,278.4 MHz : $10^{-1} \cdot (3/50)(f-40) - 1.8 + \log(1/2)$ mW/MHz	5,290 - 5,296.7 MHz : $10^{-1} \cdot (3/100)(f-80) - 1.8 + \log(1/4)$ mW/MHz
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz	5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

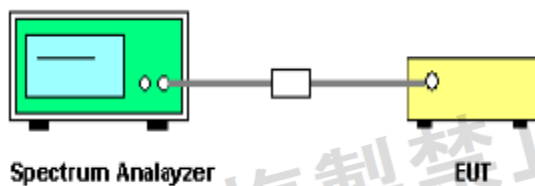
W53			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,233.3 MHz or less : 2.5 μ W/MHz	5,233.3 MHz or less : 2.5 μ W/MHz	5,221.6 MHz or less : 2.5 μ W/MHz	5,203.3 MHz or less : 2.5 μ W/MHz
5,233.3 - 5,240 MHz : $10^{-1} \cdot (8-6/50)(f-20)$ mW/MHz	5,233.3 - 5,240 MHz : $10^{-1} \cdot (8-6/50)(f-20)$ mW/MHz	5,221.6 - 5,230 MHz : $10^{-1} \cdot (3/50)(f-40) - 1.8 + \log(1/2)$ mW/MHz	5,203.3 - 5,210 MHz : $10^{-1} \cdot (3/100)(f-80) - 1.8 + \log(1/4)$ mW/MHz
5,240 - 5,249 MHz : $10^{-1} \cdot (9/90)(f-11)$ mW/MHz	5,240 - 5,249 MHz : $10^{-1} \cdot (9/90)(f-11)$ mW/MHz	5,230 - 5,249 MHz : $10^{-1} \cdot (9/190)(f-21) - 1 + \log(1/2)$ mW/MHz	5,210 - 5,249 MHz : $10^{-1} \cdot (9/390)(f-41) - 1 + \log(1/4)$ mW/MHz
5,249 - 5,250 MHz : $10^{-1} \cdot (f-9)$ mW/MHz	5,249 - 5,249.8 MHz : $10^{-1} \cdot (f-9)$ mW/MHz	5,249 - 5,250 MHz : $10^{-1} \cdot (f-20) + \log(1/2)$ mW/MHz	5,249 - 5,250 MHz : $10^{-1} \cdot (f-40) + \log(1/4)$ mW/MHz
	5,249.8 - 5,250 MHz : $10^{-1} \cdot (9/70)(f-9.75)$ mW/MHz	5,350 - 5,358.4 MHz : 15 μ W/MHz	5,350 - 5,376.8 MHz : 15 μ W/MHz
5,350 MHz or more : 2.5 μ W/MHz	5,350 MHz or more : 2.5 μ W/MHz	5,358.4 MHz or more : 2.5 μ W/MHz	5,376.8 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5270 (MHz)	f = MHz, Difference from 5290 (MHz)

W56			
20MHz system		40MHz system	80MHz system
DSSS, etc.	OFDM		
5,470 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 2.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz
	5,460 - 5,470 MHz : 12.5 μ W/MHz	5,460 - 5,470 MHz : 50 μ W/MHz	5,460 - 5,469.5 MHz : 50 μ W/MHz
	5,745 - 5,765 MHz : 12.5 μ W/MHz		5,469.5 - 5,470 MHz : 51.2 μ W/MHz
5,730 MHz or more : 12.5 μ W/MHz	Over 5,765 MHz : 2.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz

5.2. TEST PROCEDURES

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: Below 1GHz RB:1MHz / VB:1MHz
Above 1GHz RB:1MHz / VB:1MHz / AT: Auto Ref: Auto / 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 0.25 μ W.
4. SA adjusted to start frequency and stop frequency 26GHz .Then to mark peak reading value + cable loss shall be less than 2.5 μ W/MHz.
5. If the Result Value is over the requirement, we need to measurement as below steps
6. Span 1~10MHz to find the frequency that have maximum value.
7. Setting of SA is following as: Span: Zero/RBW: 100KHz/VBW: 100KHz under 1GHz,
Sweep time: Auto / Sweep Mode: Singled sweep / Detect mode: Sample.
8. Calculated the mean power value, add all value of test point and division sample point number. Then adding the antenna gain.
9. Report the mean power

5.3. TEST SETUP LAYOUT



5.4. TEST DEVIATION

There is no deviation with the original standard.

5.5. TEST RESULT

EUT:	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-802.11a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

6. ADJACENT CHANNEL POWER TOLERANCE

6.1 LIMIT

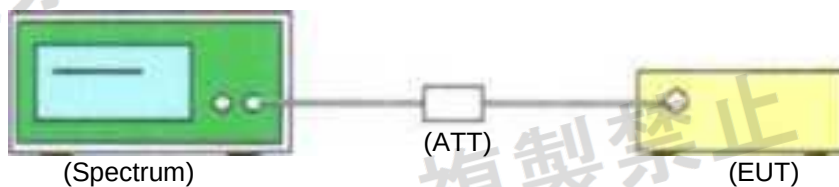
802.11a & 802.11n/ac (20MHz/40MHz/80MHz)

LIMIT
(BW _{ch} 20MHz & CP/OBW≤18MHz) - fc±20MHz ≥25dB; fc±40MHz ≥40dB
(BW _{ch} 20MHz & CP/OBW≤20MHz) - fc±20MHz ≥25dB; fc±40MHz ≥40dB
(BW _{ch} 40MHz & CP/OBW≤40MHz) - fc±40MHz ≥25dB; fc±80MHz ≥40dB
(BW _{ch} 80MHz & CP/OBW≤80MHz) - fc±80MHz ≥25dB

6.2 TEST PROCEDURES

1. EUT has the continuous reception mode and fixed only one channelize.
2. SA set RBW: 300KHz and VBW: 300KHz, Span 100MHz (BW=20MHz/200MHz(BW=40MHz), RMS Detector, trace Maximum Hold and use ACLR Option.
3. Frequency spacing and measuring bandwidth be specified in section 3.6.1.
4. Reporting the worst value

6.3 TEST SETUP



6.4 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

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test result:	Pass

Test data reference attachment

7. RF OUTPUT POWER / TOLERANCE

7.1 LIMIT

Band	Item	Limits
W52 Band W53 Band W56 Band	Antenna Power Density	$\leq 10\text{mW}(\text{Other})$ or $\leq 10\text{mW/MHz}(\text{DS, OBW} \leq 18\text{MHz})$ $\leq 10\text{mW/MHz}(\text{OFDM, OBW} \leq 20\text{MHz})$ $\leq 5\text{mW/MHz}(\text{OFDM, OBW} \leq 40\text{MHz})$ $\leq 2.5\text{mW/MHz}(\text{OFDM, OBW} \leq 80\text{MHz})$
W52 Band W53 Band	Antenna Power Error	+20%, -80%
W56 Band		+50%, -50%

8.2 TEST DEVIATION

There is no deviation with the original standard.

8.3 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

8.4 TEST PROCEDURES

1. Scanning bandwidth: occupying about twice the bandwidth of the frequency band

Resolution bandwidth: 1MHz

Video bandwidth: about 3 times the resolution bandwidth

Scanning time: the minimum time required to ensure measurement accuracy

Scanning mode: Continuous scanning

Detection mode: positive peak value

Display mode: Maximum hold

2. Provide the maximum power frequency of the center frequency (search frequency)

Scanning frequency width: 0Hz

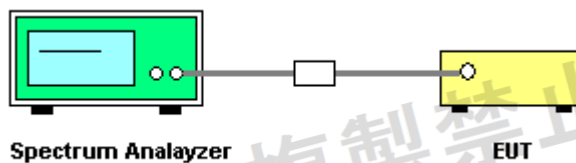
Resolution bandwidth: 1MHz

Video bandwidth: Same as resolution bandwidth

Scanning mode: Continuous scanning

3. Antenna Power Error is definition that actual measure antenna power tolerance between +20% to -80% power range that base on manufacturer declare the conducted power density.

8.5 TEST SETUP



8.6 TEST RESULT

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

8. E.I.R.P MEASUREMENT

8.1 LIMIT

Band	E.I.R.P Power (mW/MHz) Limits					Note
	20MHz	40MHz	80MHz	80MHz+80MHz	160MHz	
W52	10	5	2.5	1.25	1.25	
W53	10	5	2.5	1.25	1.25	With TPC
	5	2.5	1.25	0.625	0.625	Without TPC
W56	50	25	12.5	1.25	6.25	With TPC
	25	12.5	6.25	0.625	3.125	Without TPC

8.2 TEST PROCEDURES

EIRP Power= Conducted power + antenna gain.

8.3 TEST SETUP LAYOUT

Please refer to Section 8.4 of this test report.

8.4 TEST DEVIATION

There is no deviation with the original standard.

8.5 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

8.6 TEST RESULT

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

10 SPURIOUS EMISSIONS FOR RECEIVER

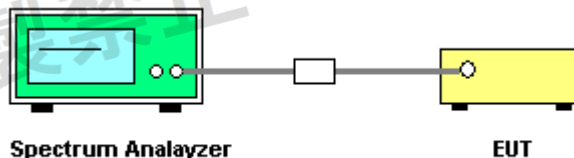
10.1 LIMIT

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

10.2 TEST PROCEDURE

1. EUT have the continuous reception mode and fixed only one channelize.
2. SA set RBW:100KHz and VBW: 100KHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
3. SA set RBW: 1MHz and VBW: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW.
4. If power level of lower emissions are more than 1/10 of limit ($.0.4\text{nW}$ 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 LAYOUT



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 reception mode.

10.6 TEST RESULT

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

11 BURST LENGTH**11.1 LIMITS OF BURST LENGTH**

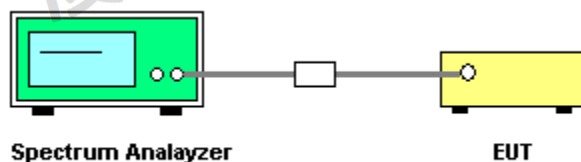
Item	Limits
Transmission Burst	≤8ms

11.2 MEASURING INSTRUMENTS

See list of measuring instruments of this test report.

11.3 TEST PROCEDURES

1. Setting of SA is following as: RBW: 8MHz/VBW:8MHz /Sweep Mode:Single sweep/Detect mode: Positive peak/Zero Span I Sweet time: more than burst length.
2. Measure the maximum time duration of one burst length.

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 continuously transmitting mode.

11.7 TEST RESULT

EUT :	InkPoster Affresco 13.3”	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test Voltage	Normal Voltage(DC 3.85V)
Operation Mode:	Normal Voltage-a/n/ac/ax20 mode(5.2G)		

Test data reference attachment

12 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

12.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

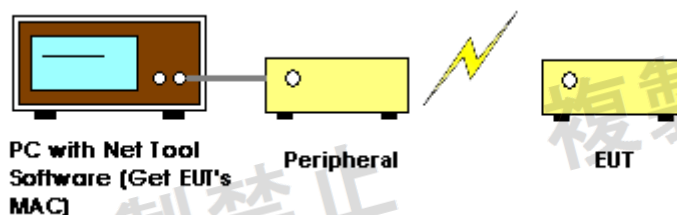
12.2 MEASURING ID CODE SOFTWARE

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 form EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification ocde: a. Transmit the predetermined identification codes form the counterpart. b . Check if communication is normal. c. Transmit the signals other than predetermined ID codes form the counterpart. d. check if the EUT stops the transmission, or if it displays that idnetification codes are different from the predetermined ones.

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 normal transmitting mode.

12.7 TEST RESULT

EUT :	InkPoster Affresco 13.3"	Model:	PB1330P1
Temperature:	25°C	Pressure:	1010 hPa
Humidity:	55 % RH	Test result:	Compliance

Radio interface prevention function

Result	Normal Voltage	High Voltage	Low Voltage
802.11a	OK	/	/
802.11n/ 20	OK	/	/
802.11ac20/ax20	OK	/	/

Mac address: 18:C0:6D:33:41:22

Result: OK

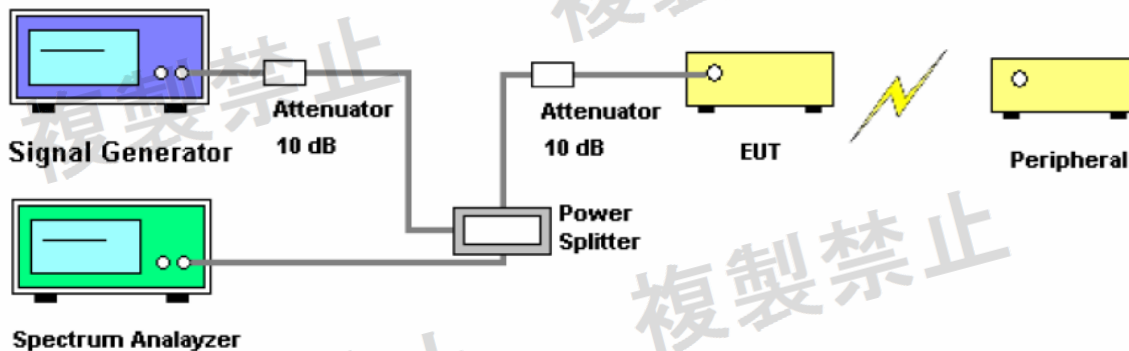
13 CARRIER SENSE CAPABILITY

13.1 LIMIT

EUT stop RF transmission signal after carrier inject to EUT

13.2 TEST PROCEDURE

Measurement System Diagram



1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is $(on\ 22.79+G-20*\log(f)\text{dBm})$ (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=50MHz, Sweep time=Auto, Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.
6. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous transmitted signal.

13.3 TEST RESULT

Result	Normal Voltage	High Voltage	Low Voltage
802.11a	OK	/	/
802.11n/ 20	OK	/	/
802.11ac20/ax20	OK	/	/

$P_{in}=22.79+G_r-20*\log(\text{freq_MHz})[\text{dBm}]$

Limit:100mw/m eirp

Confirmed at -50dBm

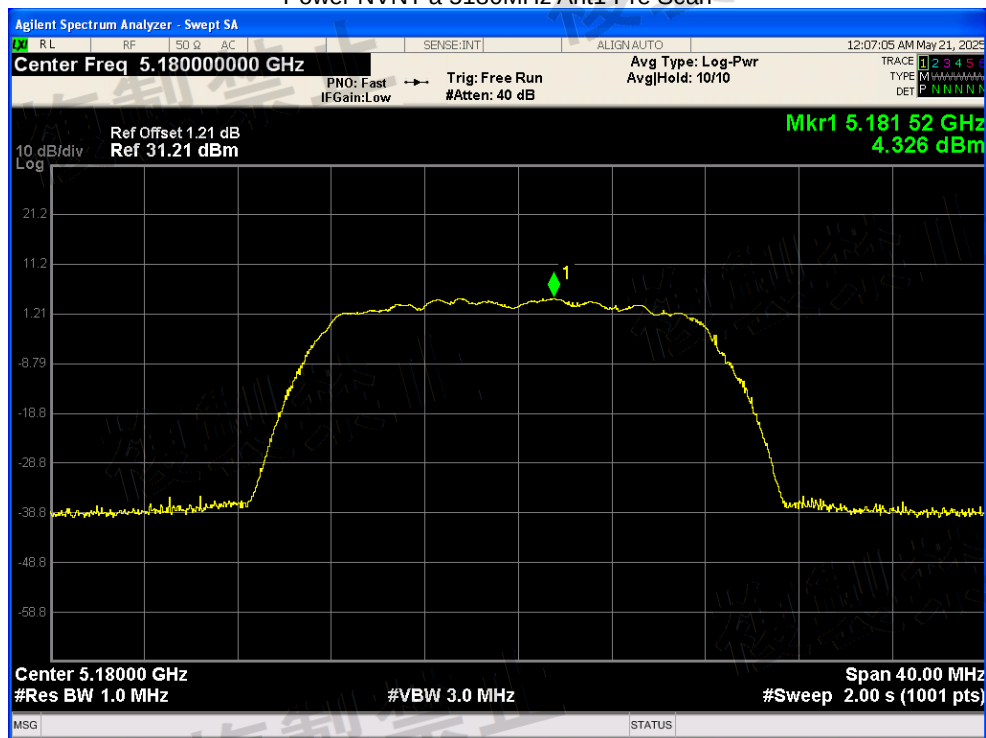
Result:OK

14. TEST RESULTS

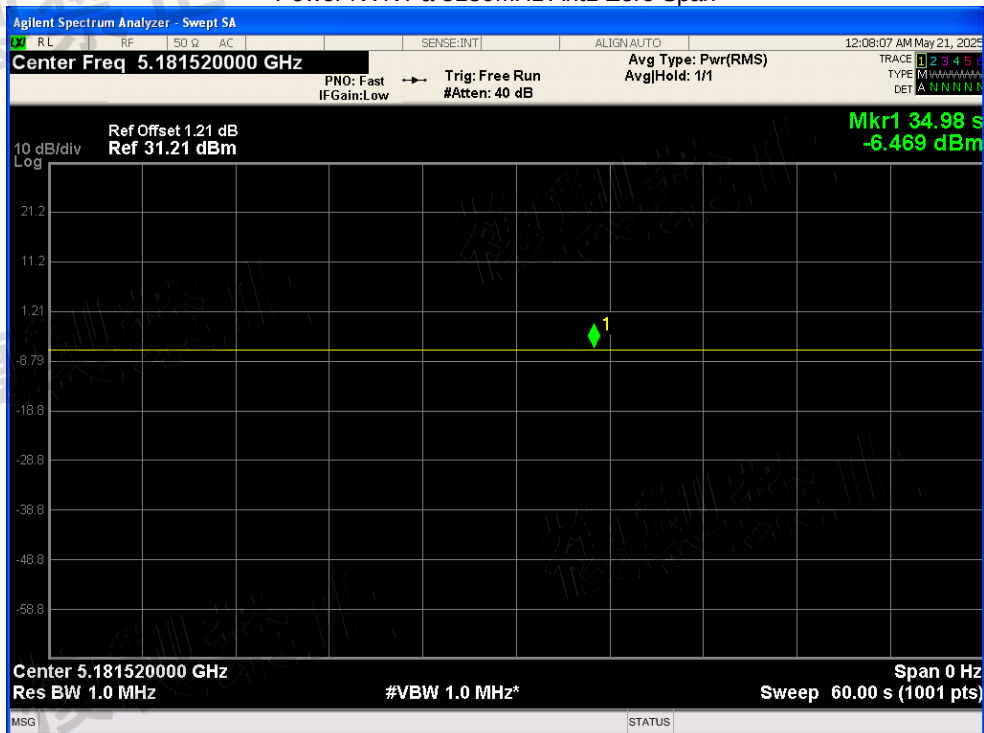
14.1 ANTENNA AND EIRP POWER

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
NVNT	a	5180	Ant1	0.225	0.5	-54.9	20	-80	Pass
NVNT	a	5200	Ant1	0.257	0.5	-48.67	20	-80	Pass
NVNT	a	5240	Ant1	0.252	0.5	-49.68	20	-80	Pass
NVNT	ac20	5180	Ant1	0.907	1	-9.32	20	-80	Pass
NVNT	ac20	5200	Ant1	0.967	1	-3.33	20	-80	Pass
NVNT	ac20	5240	Ant1	0.931	1	-6.89	20	-80	Pass
NVNT	ax20	5180	Ant1	0.654	1	-34.55	20	-80	Pass
NVNT	ax20	5200	Ant1	0.897	1	-10.32	20	-80	Pass
NVNT	ax20	5240	Ant1	0.682	1	-31.83	20	-80	Pass
NVNT	n20	5180	Ant1	0.867	1	-13.32	20	-80	Pass
NVNT	n20	5200	Ant1	0.893	1	-10.73	20	-80	Pass
NVNT	n20	5240	Ant1	0.722	1	-27.76	20	-80	Pass

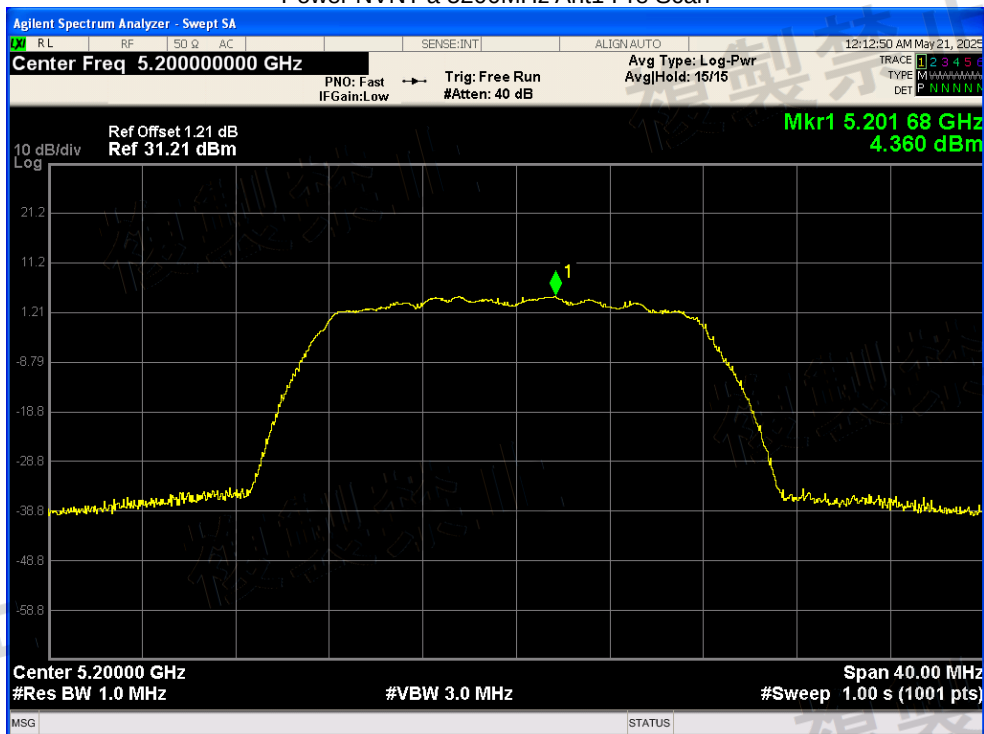
Power NVNT a 5180MHz Ant1 Pre Scan



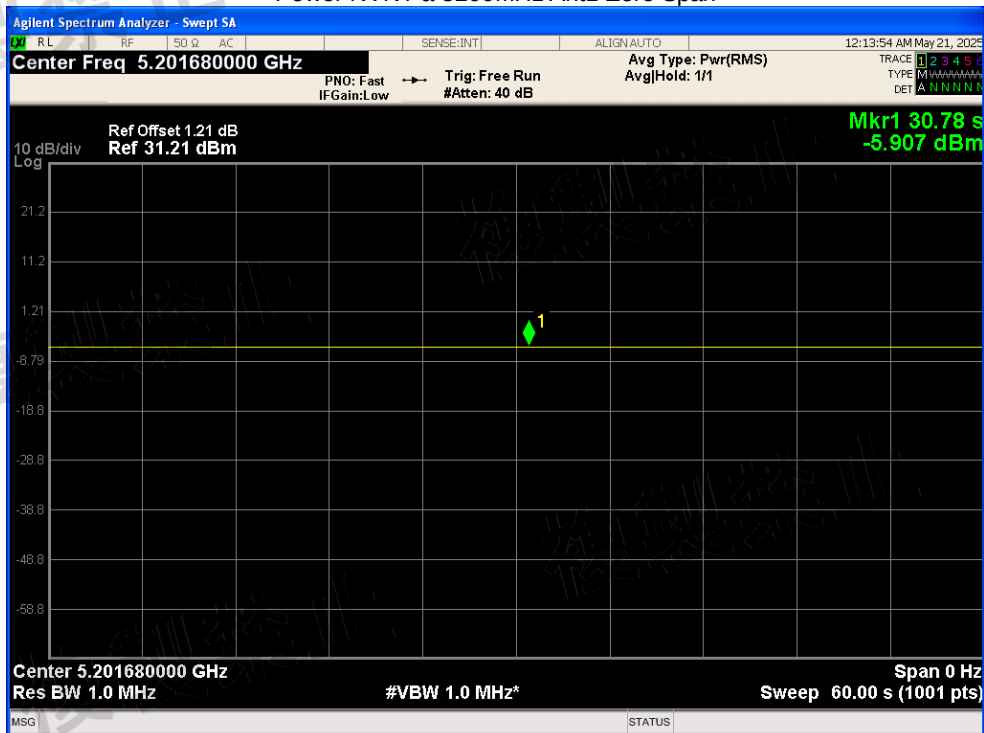
Power NVNT a 5180MHz Ant1 Zero Span



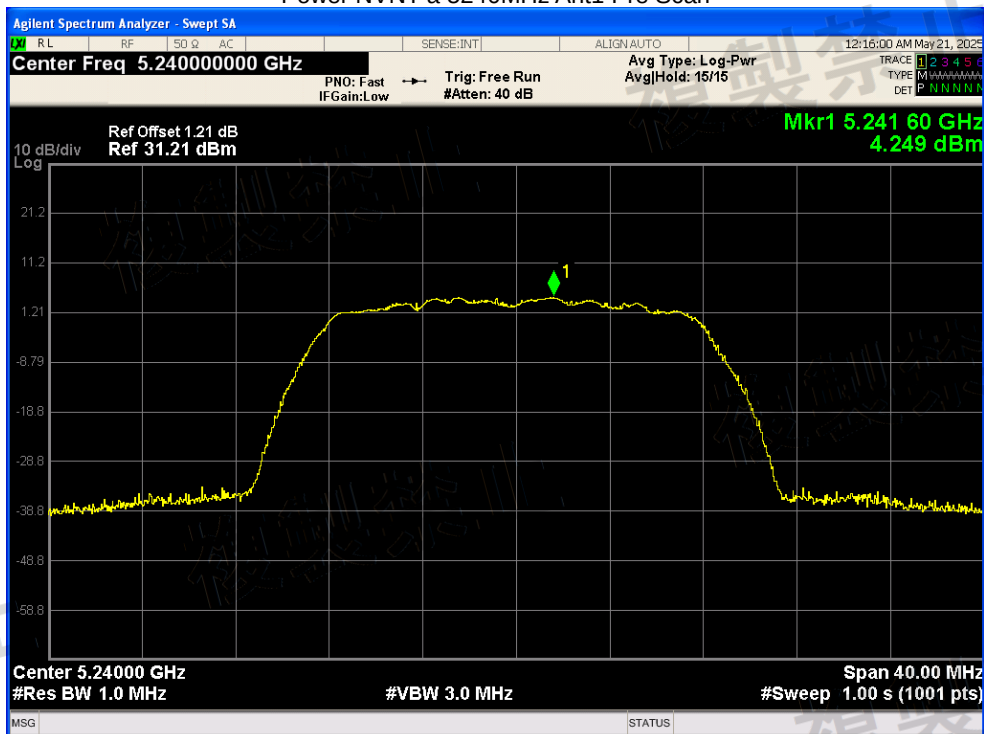
Power NVNT a 5200MHz Ant1 Pre Scan



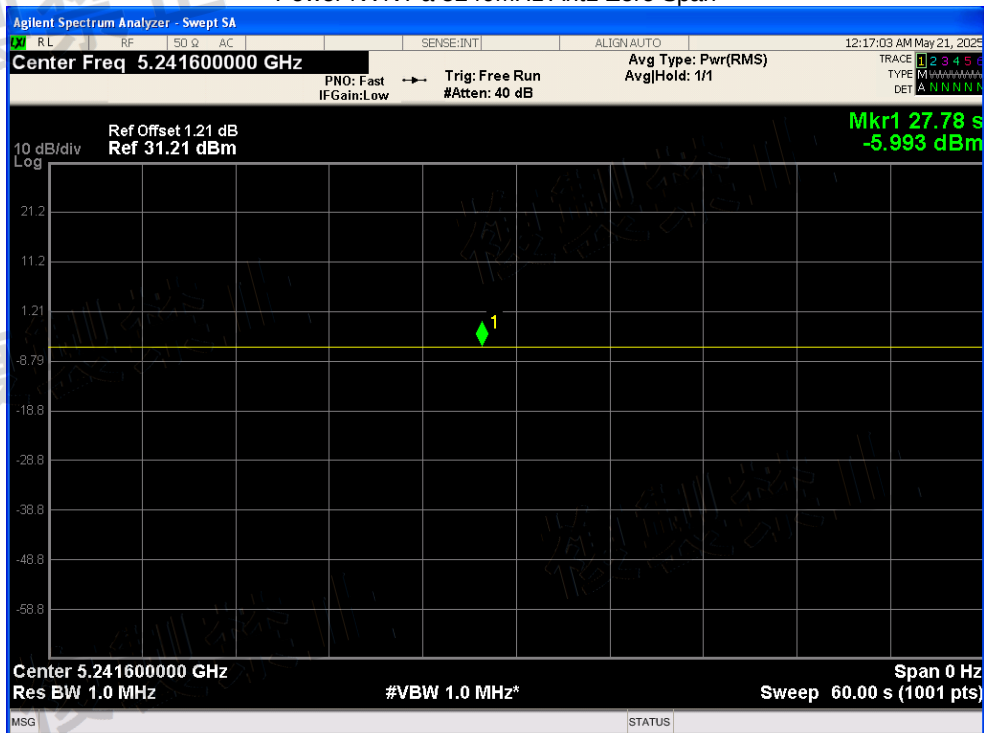
Power NVNT a 5200MHz Ant1 Zero Span



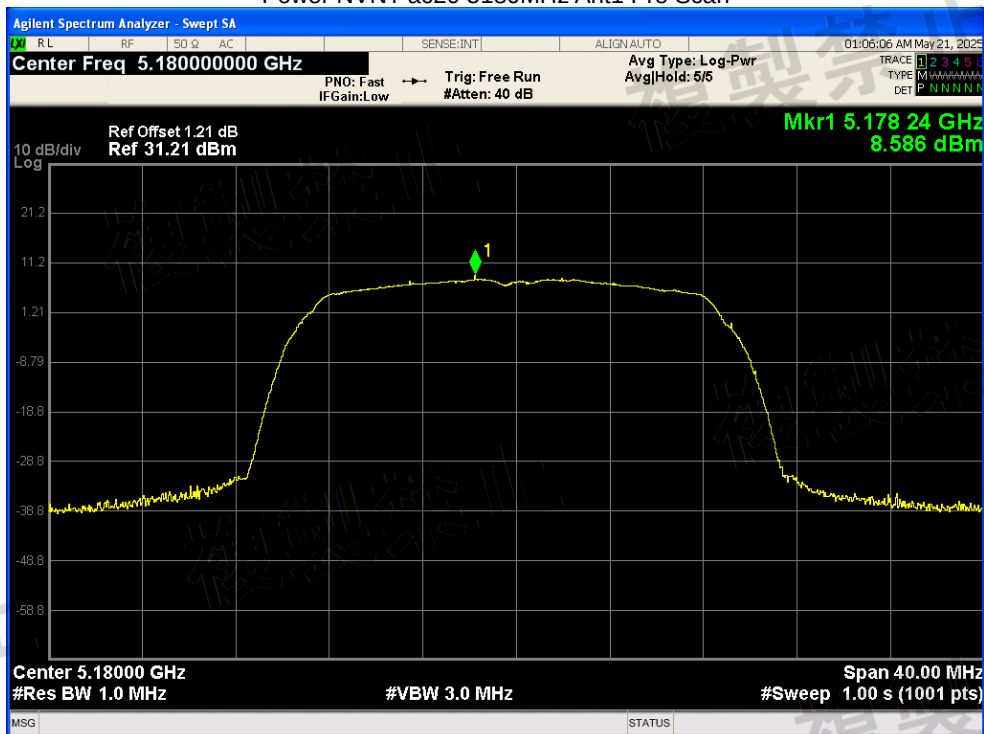
Power NVNT a 5240MHz Ant1 Pre Scan



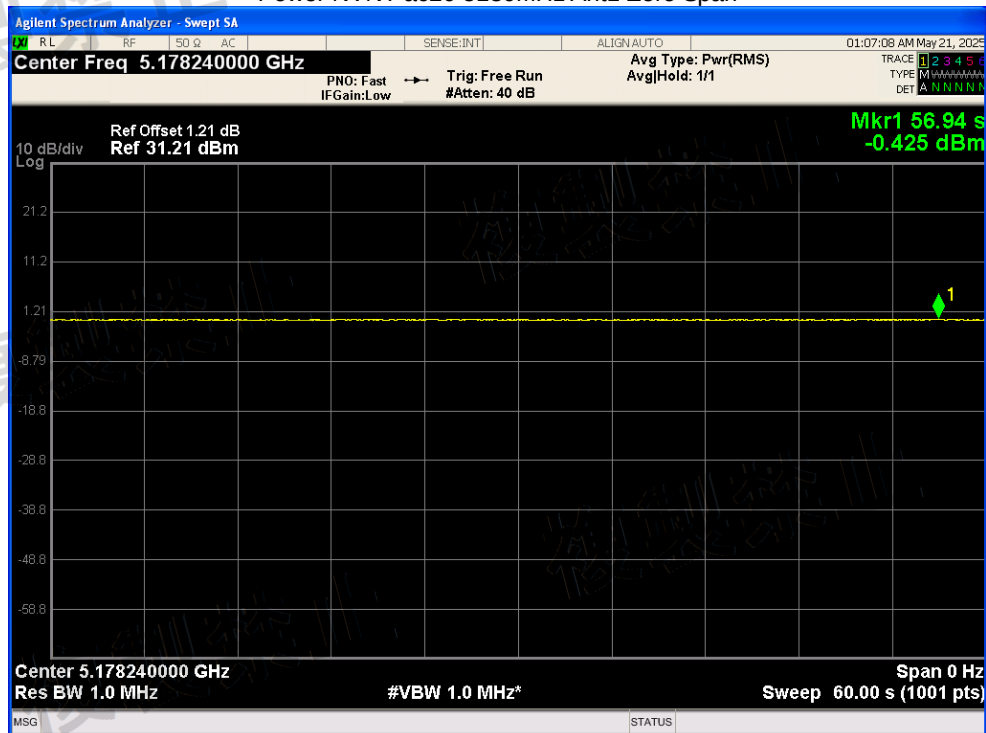
Power NVNT a 5240MHz Ant1 Zero Span



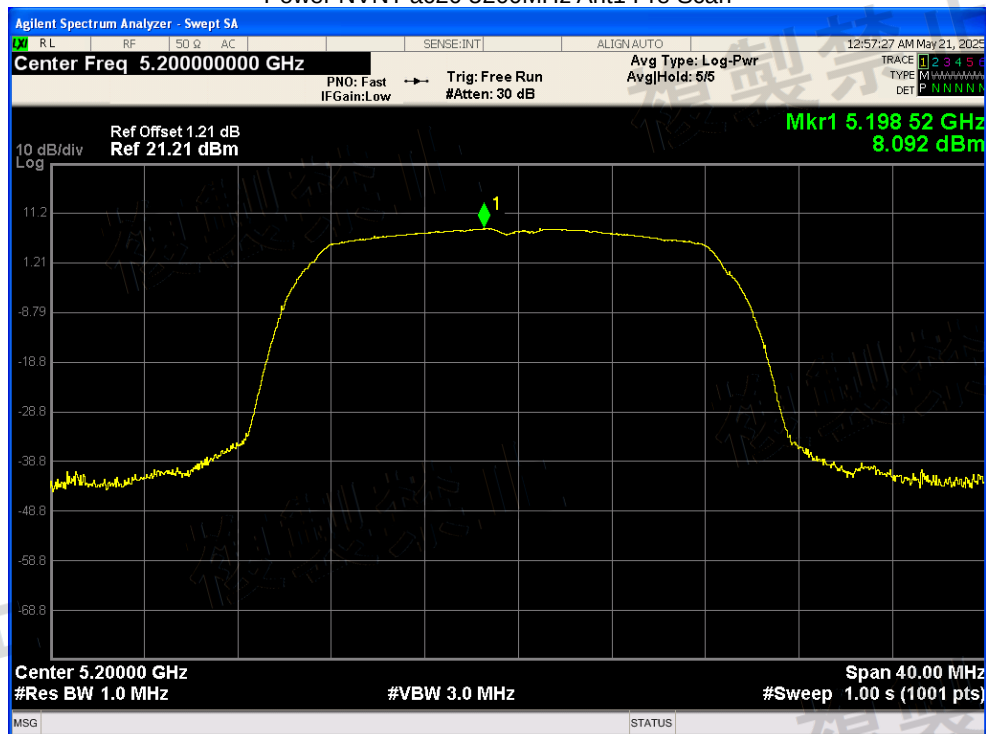
Power NVNT ac20 5180MHz Ant1 Pre Scan



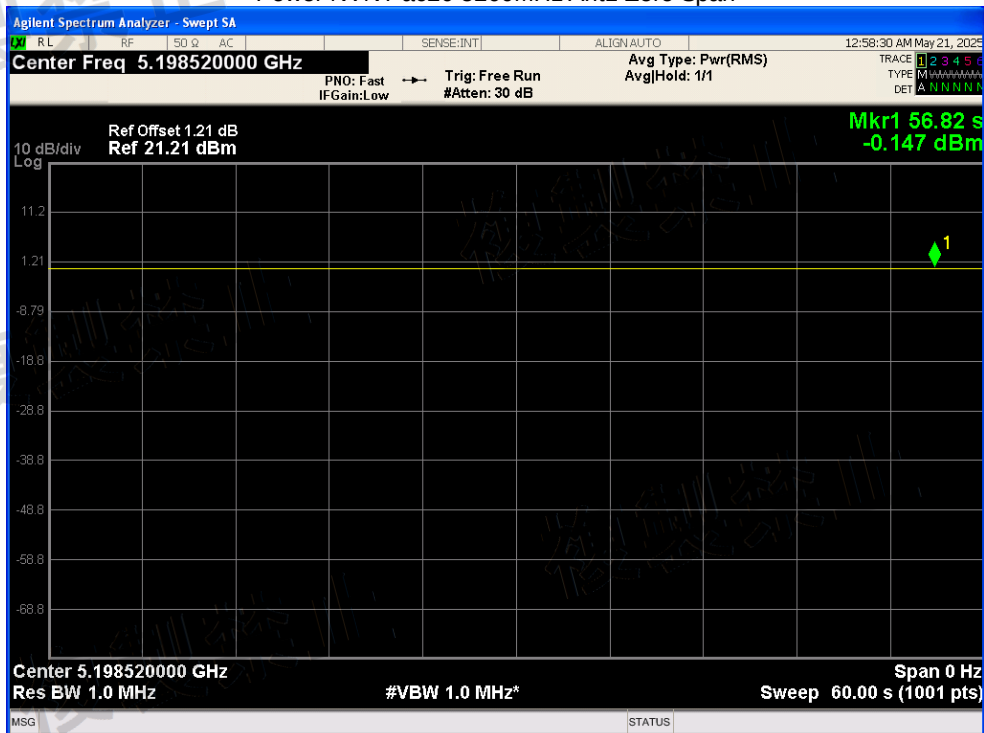
Power NVNT ac20 5180MHz Ant1 Zero Span



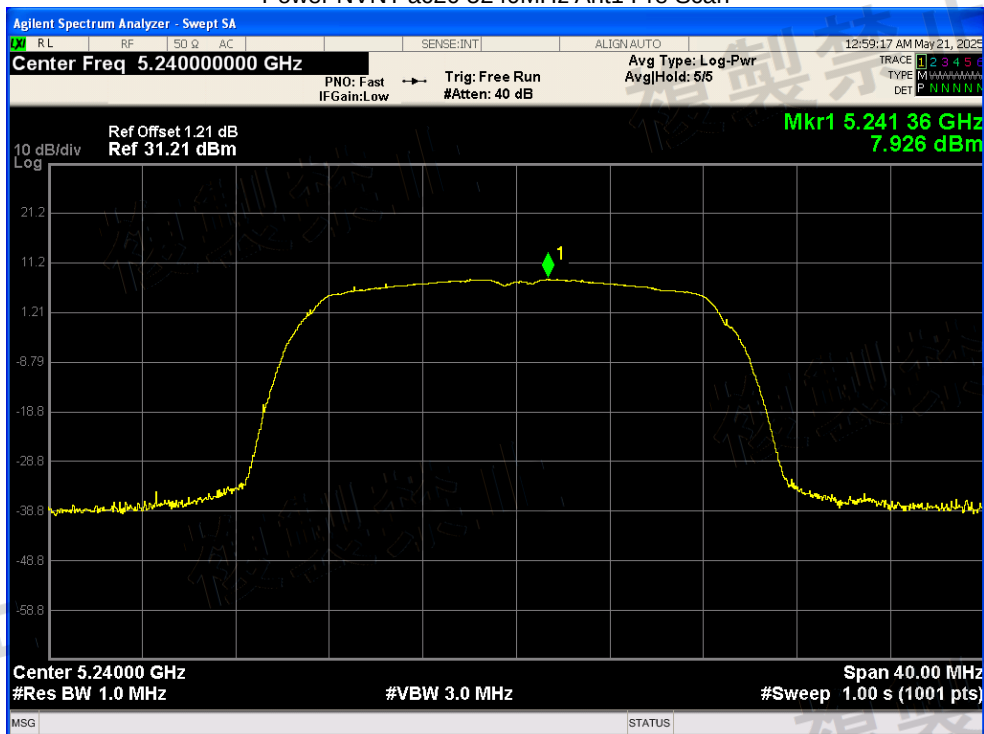
Power NVNT ac20 5200MHz Ant1 Pre Scan



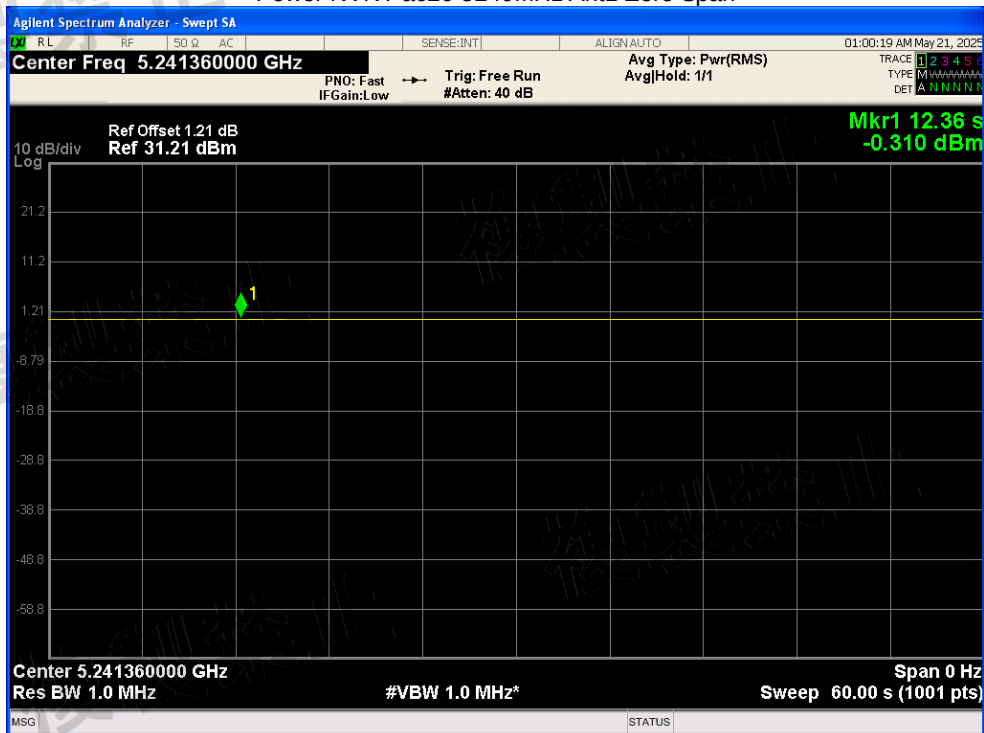
Power NVNT ac20 5200MHz Ant1 Zero Span



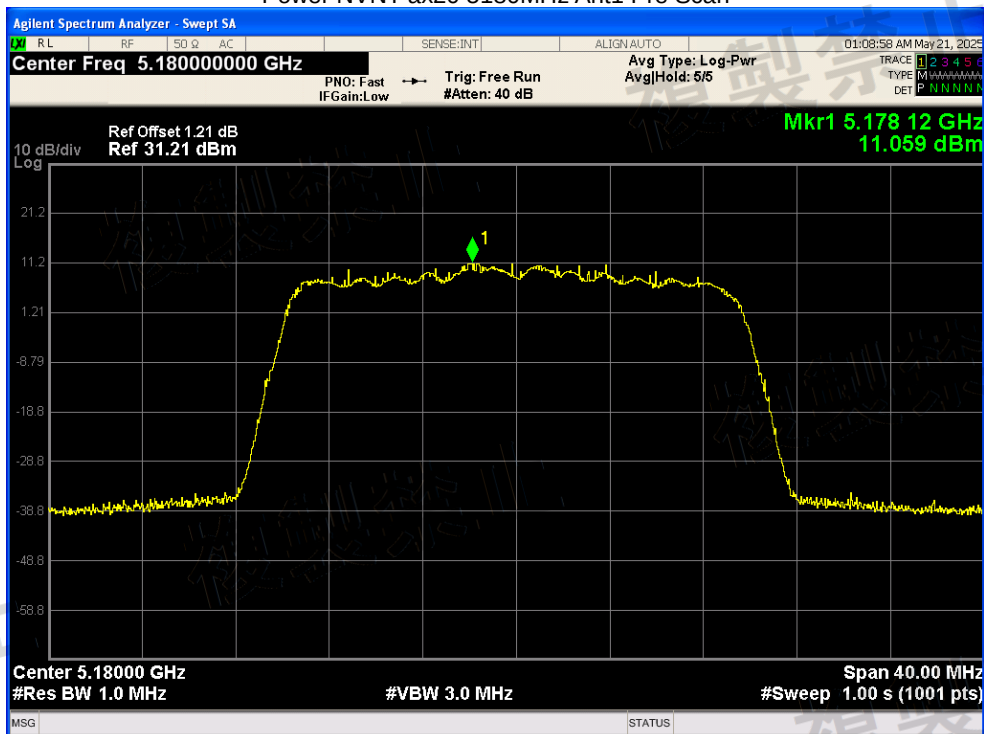
Power NVNT ac20 5240MHz Ant1 Pre Scan



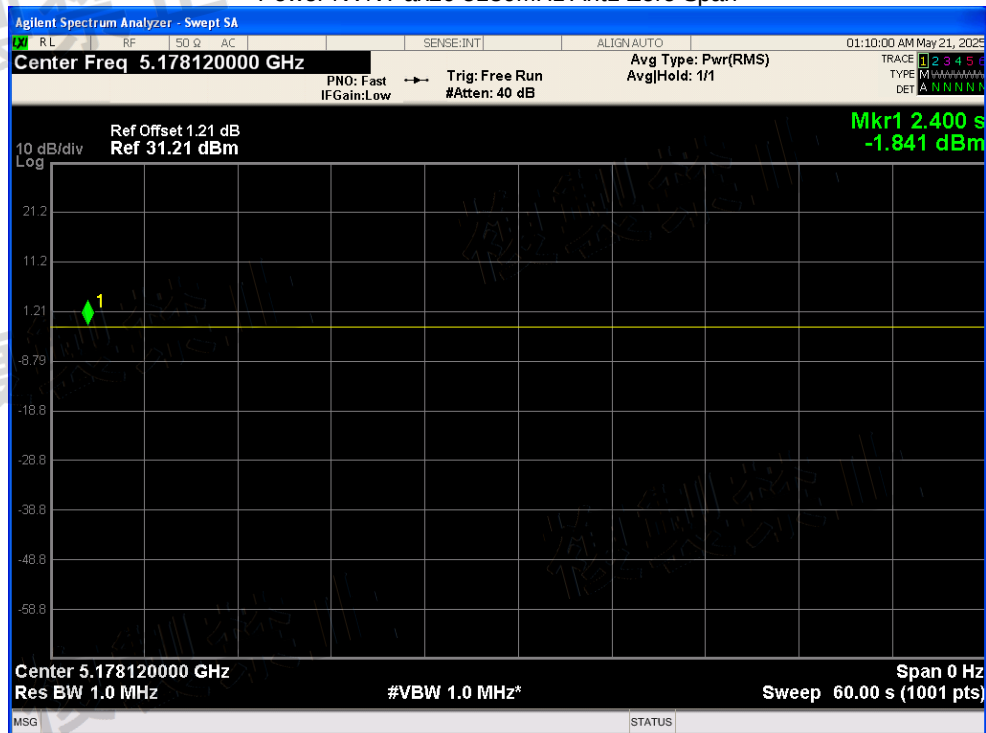
Power NVNT ac20 5240MHz Ant1 Zero Span



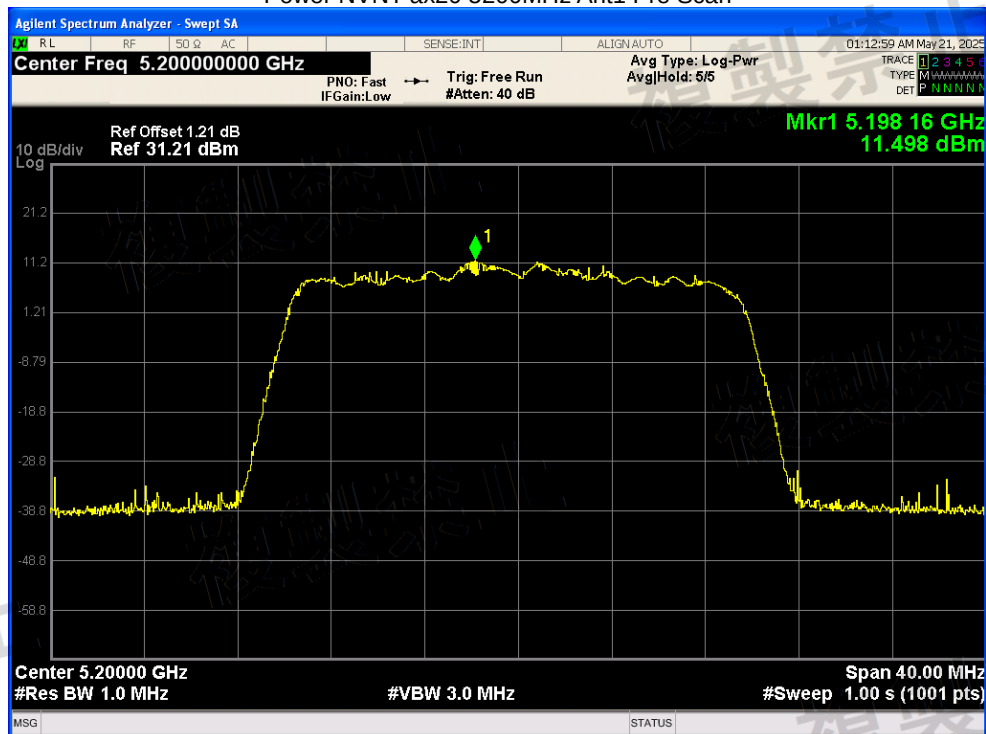
Power NVNT ax20 5180MHz Ant1 Pre Scan



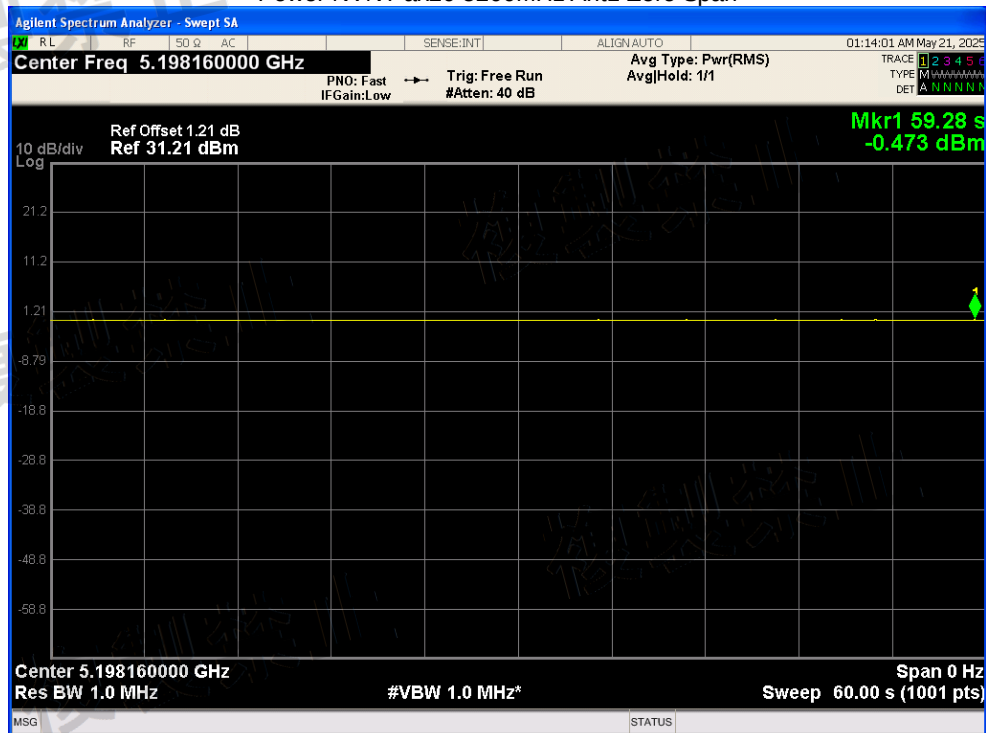
Power NVNT ax20 5180MHz Ant1 Zero Span



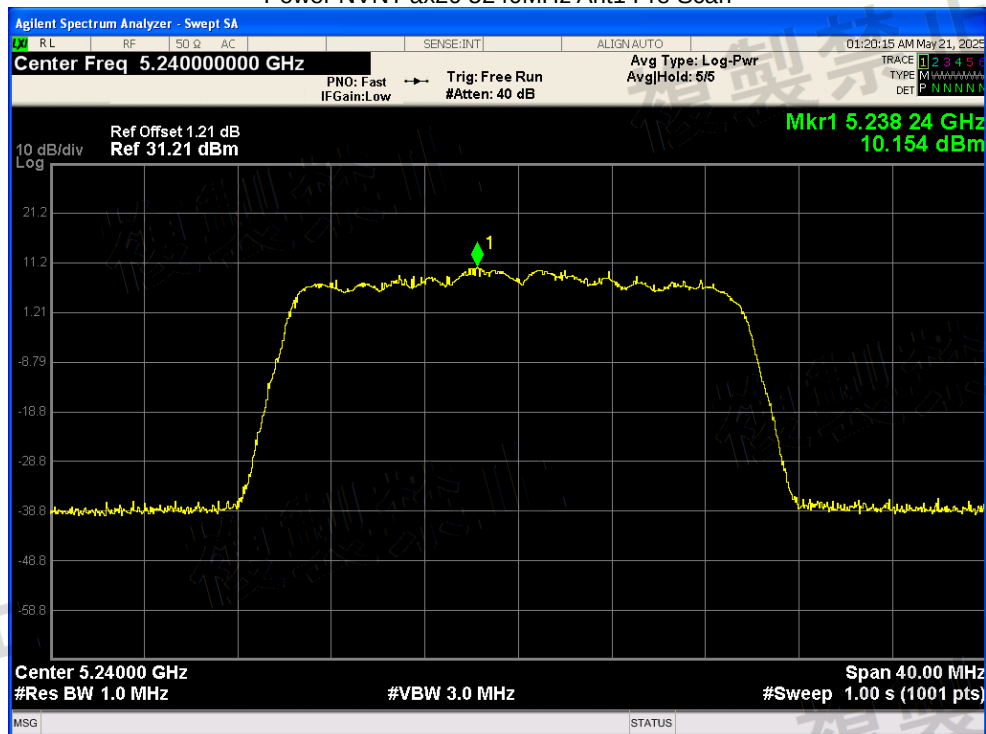
Power NVNT ax20 5200MHz Ant1 Pre Scan



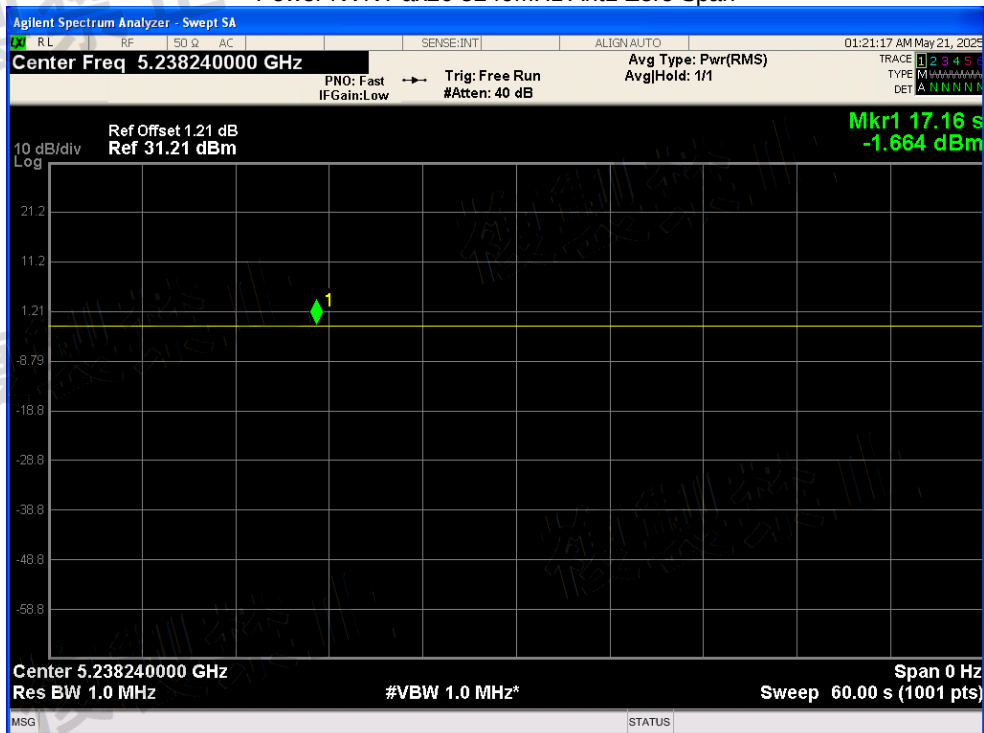
Power NVNT ax20 5200MHz Ant1 Zero Span



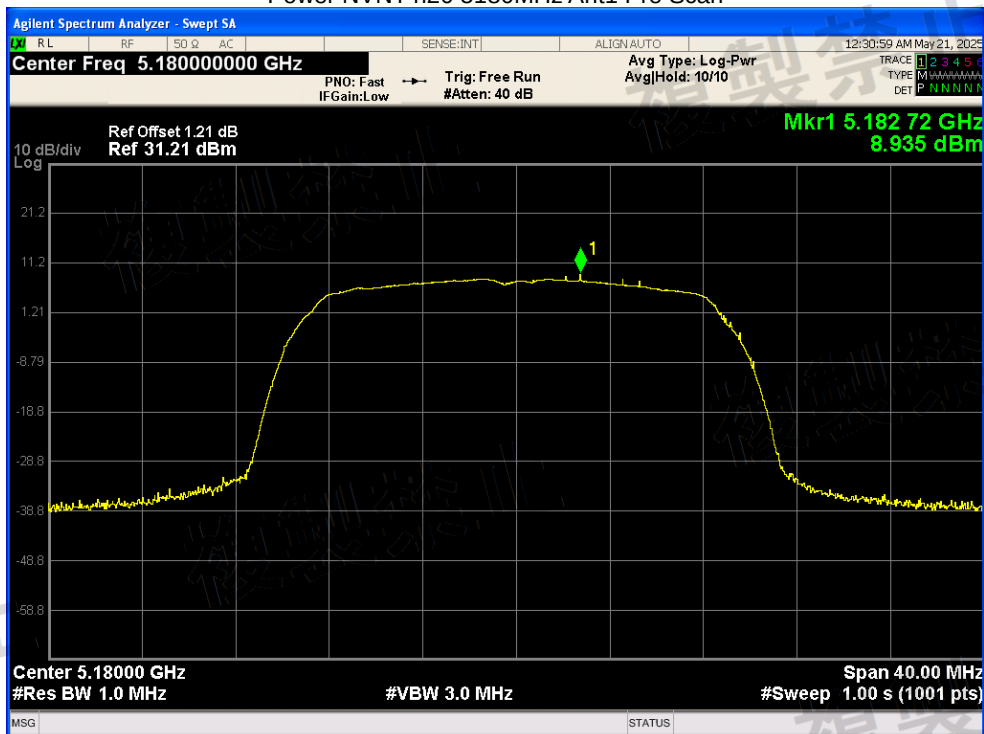
Power NVNT ax20 5240MHz Ant1 Pre Scan



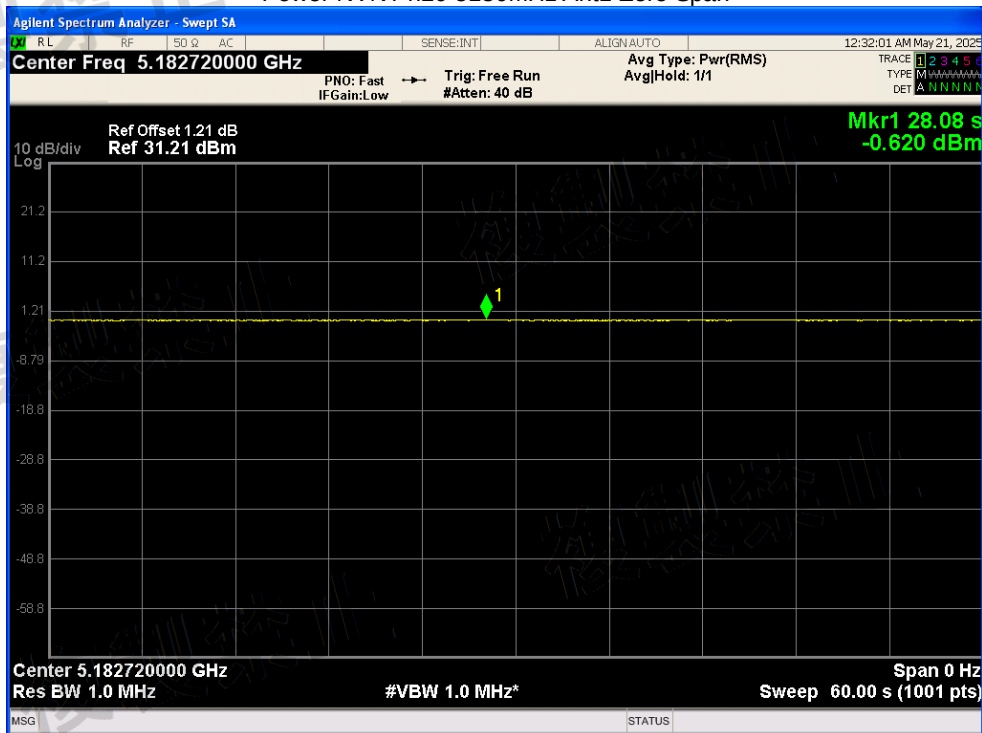
Power NVNT ax20 5240MHz Ant1 Zero Span



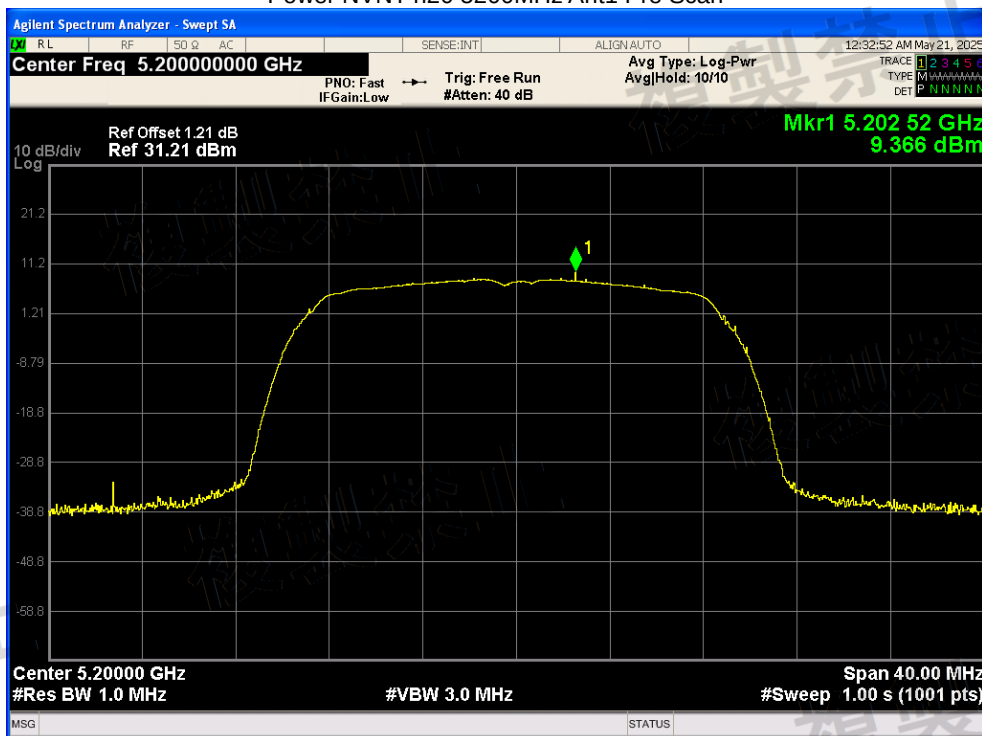
Power NVNT n20 5180MHz Ant1 Pre Scan



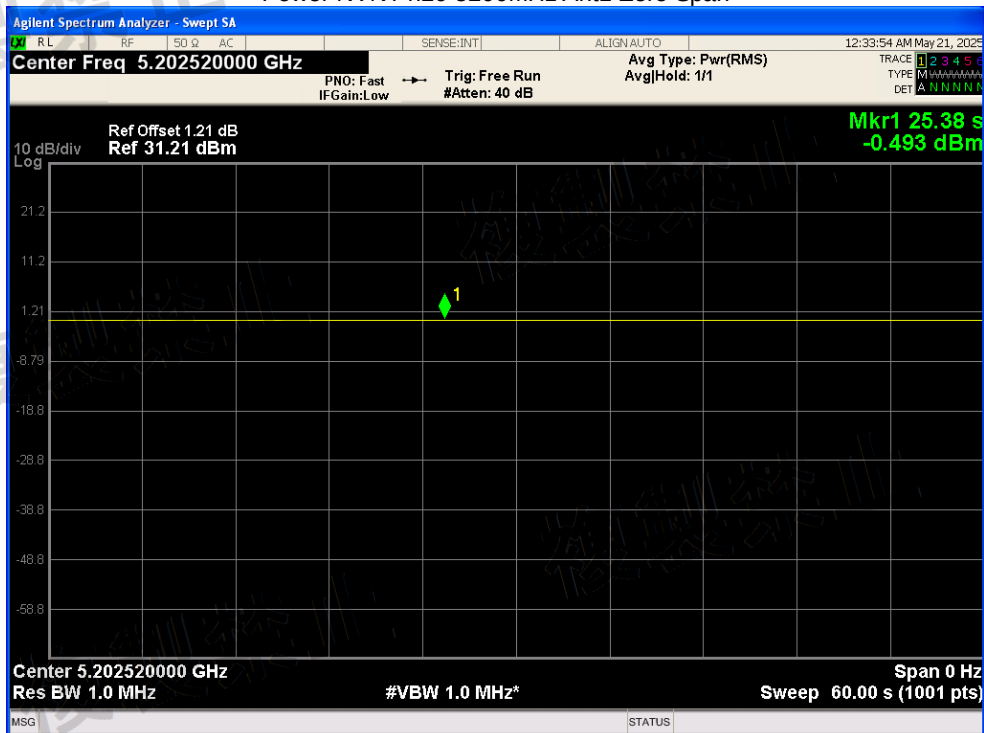
Power NVNT n20 5180MHz Ant1 Zero Span



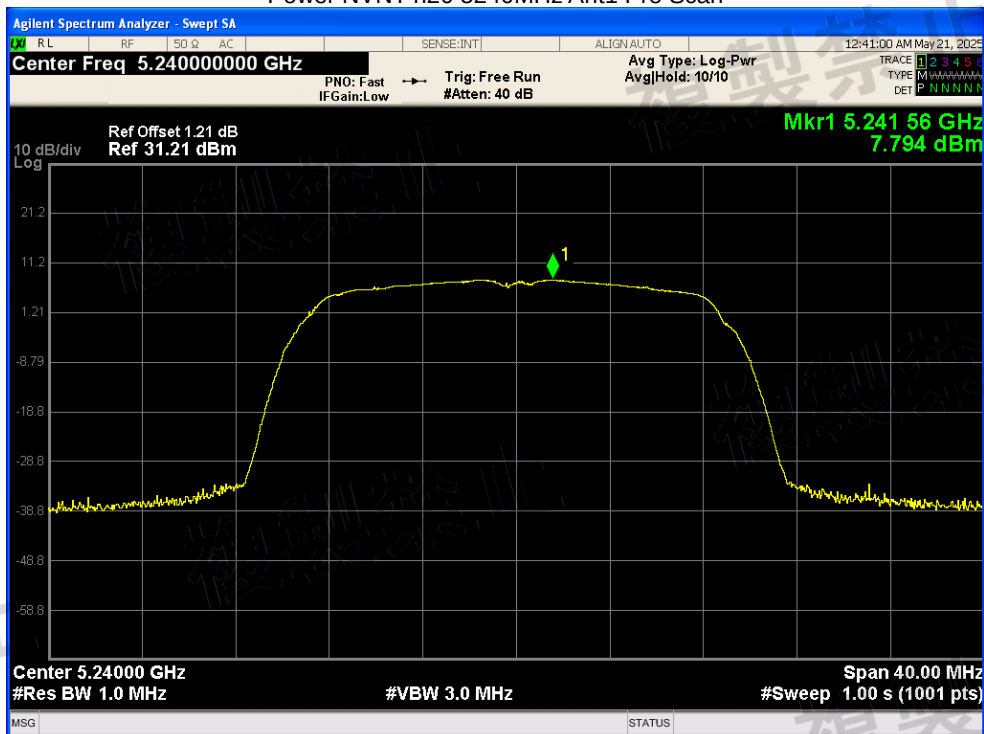
Power NVNT n20 5200MHz Ant1 Pre Scan



Power NVNT n20 5200MHz Ant1 Zero Span



Power NVNT n20 5240MHz Ant1 Pre Scan



Power NVNT n20 5240MHz Ant1 Zero Span



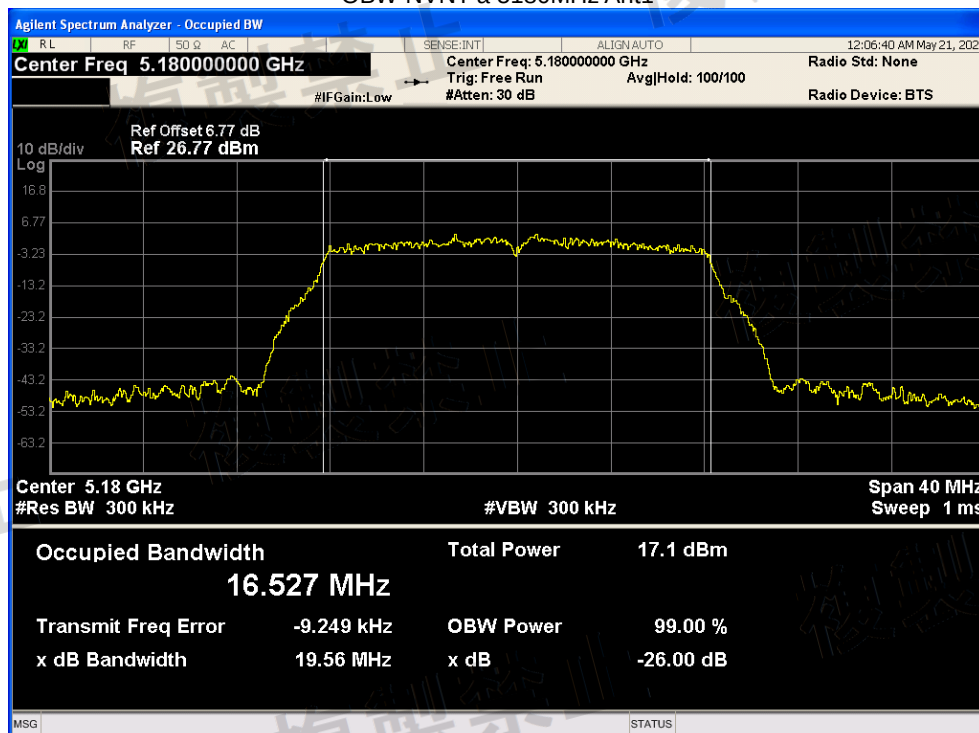
14.2 EIRP POWER

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW/MHz)	Gain (dBi)	EIRP Power (mW/MHz)	Limit (mW/MHz)	Verdict
NVNT	a	5180	Ant1	0.225	5.56	0.811	10	Pass
NVNT	a	5200	Ant1	0.257	5.56	0.923	10	Pass
NVNT	a	5240	Ant1	0.252	5.56	0.905	10	Pass
NVNT	ac20	5180	Ant1	0.907	5.56	3.262	10	Pass
NVNT	ac20	5200	Ant1	0.967	5.56	3.478	10	Pass
NVNT	ac20	5240	Ant1	0.931	5.56	3.35	10	Pass
NVNT	ax20	5180	Ant1	0.654	5.56	2.355	10	Pass
NVNT	ax20	5200	Ant1	0.897	5.56	3.226	10	Pass
NVNT	ax20	5240	Ant1	0.682	5.56	2.452	10	Pass
NVNT	n20	5180	Ant1	0.867	5.56	3.119	10	Pass
NVNT	n20	5200	Ant1	0.893	5.56	3.211	10	Pass
NVNT	n20	5240	Ant1	0.722	5.56	2.599	10	Pass

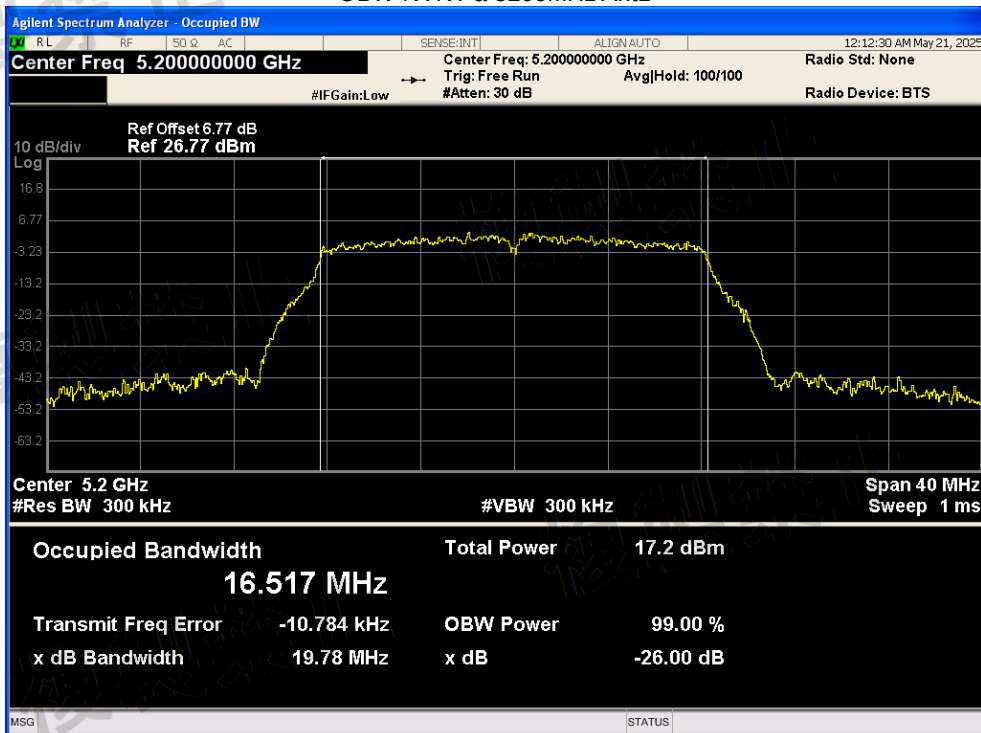
14.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Limit (MHz)	Verdict
NVNT	a	5180	Ant1	16.527	20	Pass
NVNT	a	5200	Ant1	16.517	20	Pass
NVNT	a	5240	Ant1	16.54	20	Pass
NVNT	ac20	5180	Ant1	17.669	20	Pass
NVNT	ac20	5200	Ant1	17.632	20	Pass
NVNT	ac20	5240	Ant1	17.635	20	Pass
NVNT	ax20	5180	Ant1	18.832	20	Pass
NVNT	ax20	5200	Ant1	18.875	20	Pass
NVNT	ax20	5240	Ant1	18.87	20	Pass
NVNT	n20	5180	Ant1	17.594	20	Pass
NVNT	n20	5200	Ant1	17.63	20	Pass
NVNT	n20	5240	Ant1	17.635	20	Pass

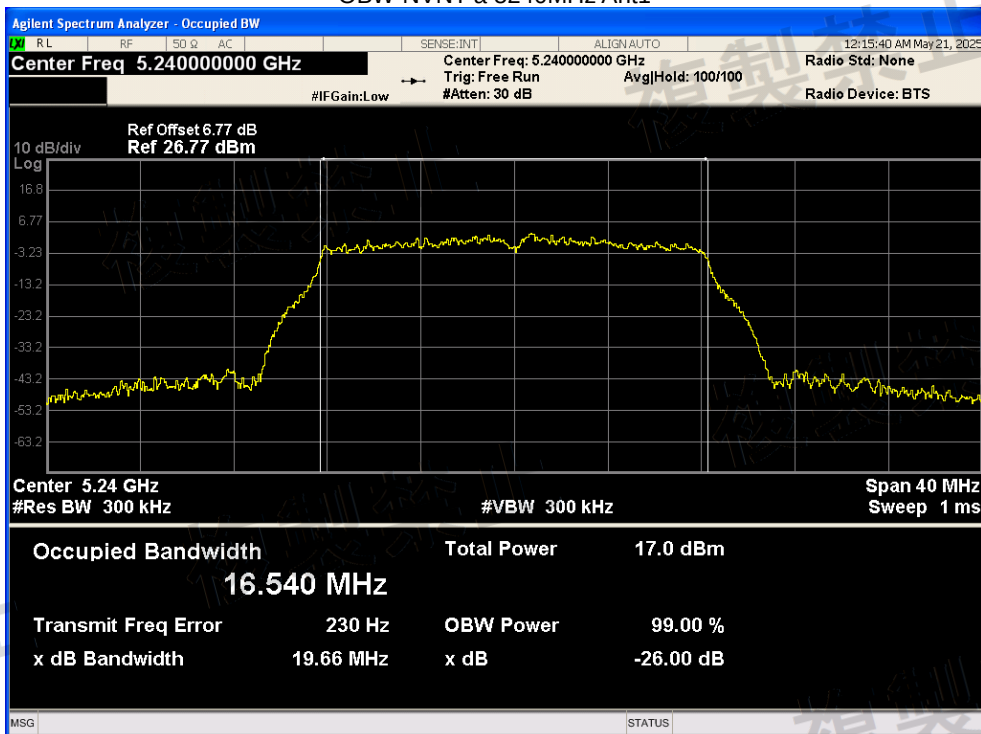
OBW NVNT a 5180MHz Ant1



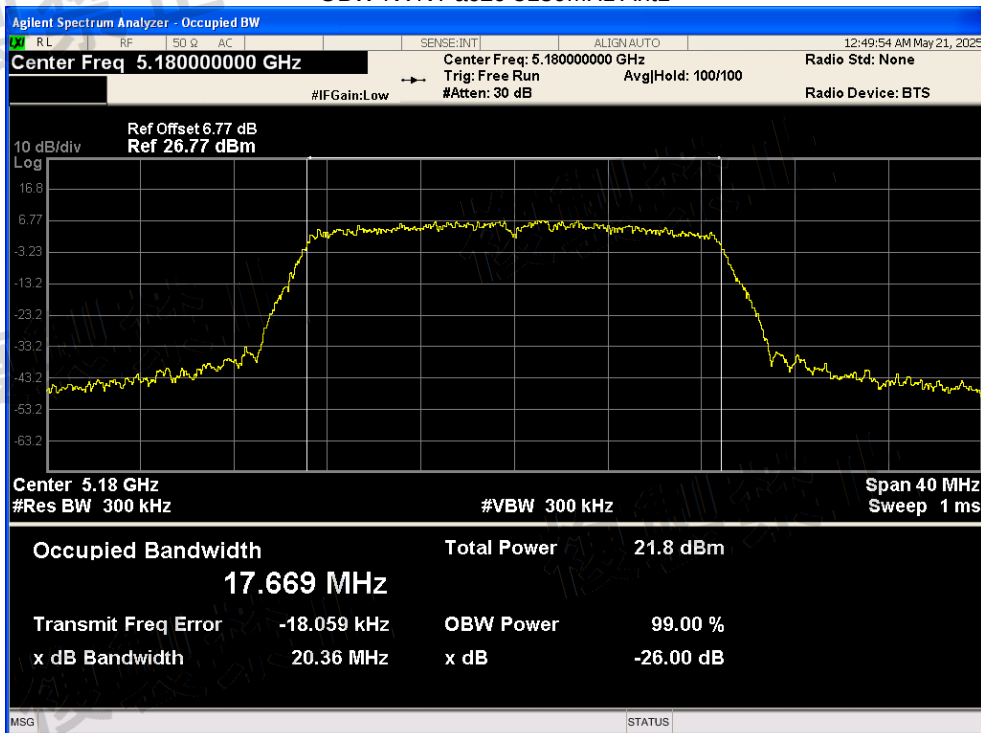
OBW NVNT a 5200MHz Ant1



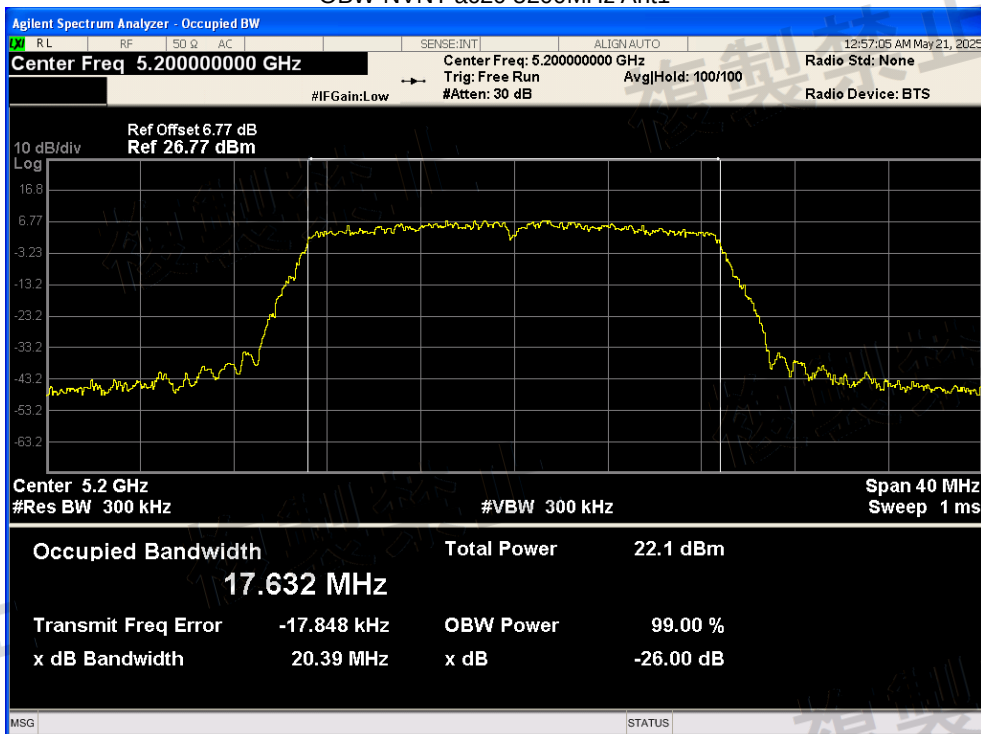
OBW NVNT a 5240MHz Ant1



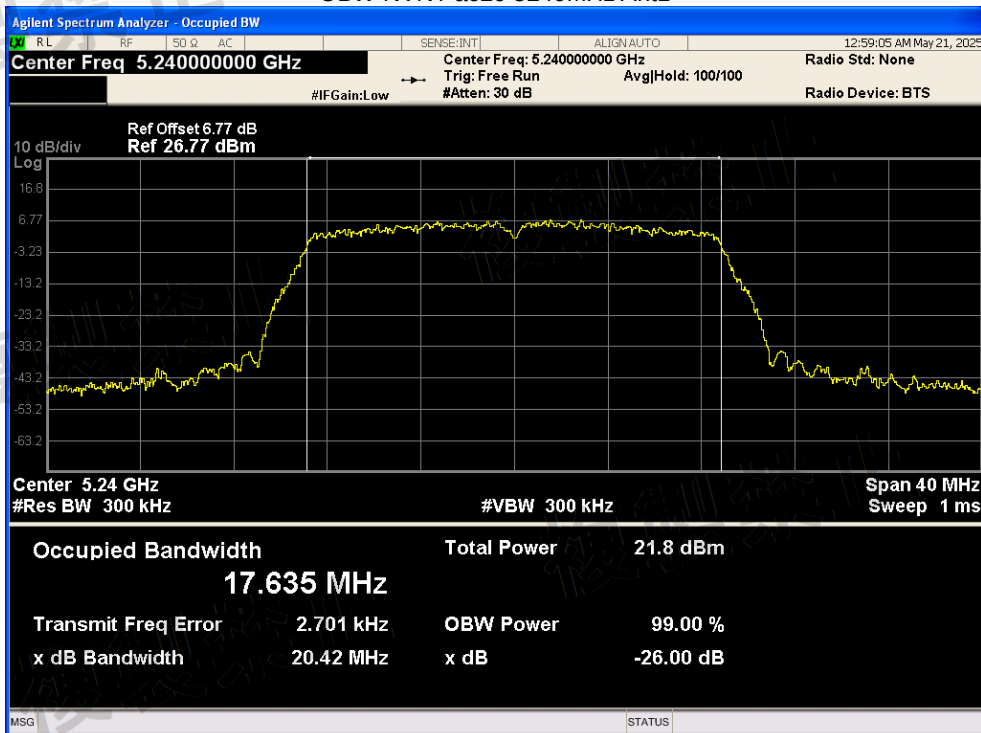
OBW NVNT ac20 5180MHz Ant1



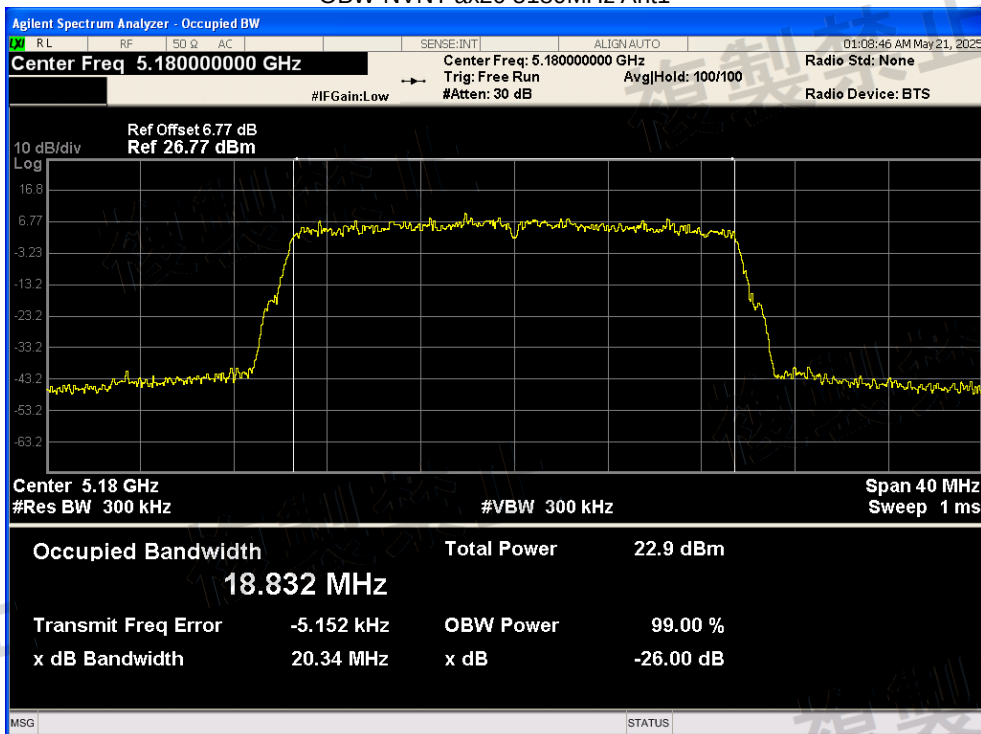
OBW NVNT ac20 5200MHz Ant1



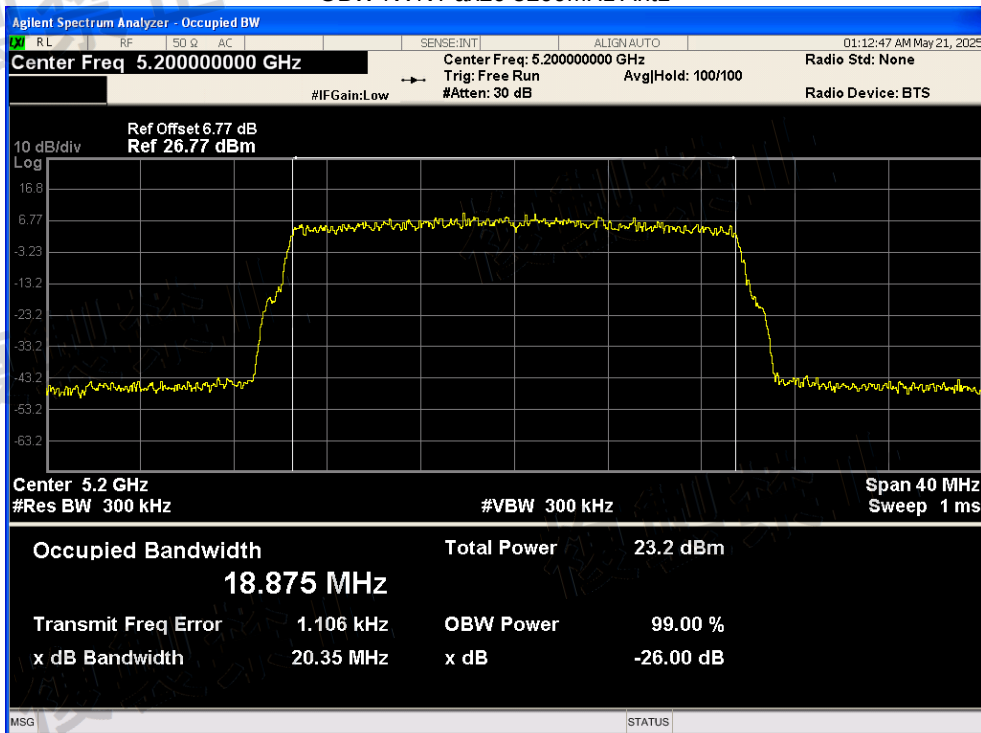
OBW NVNT ac20 5240MHz Ant1



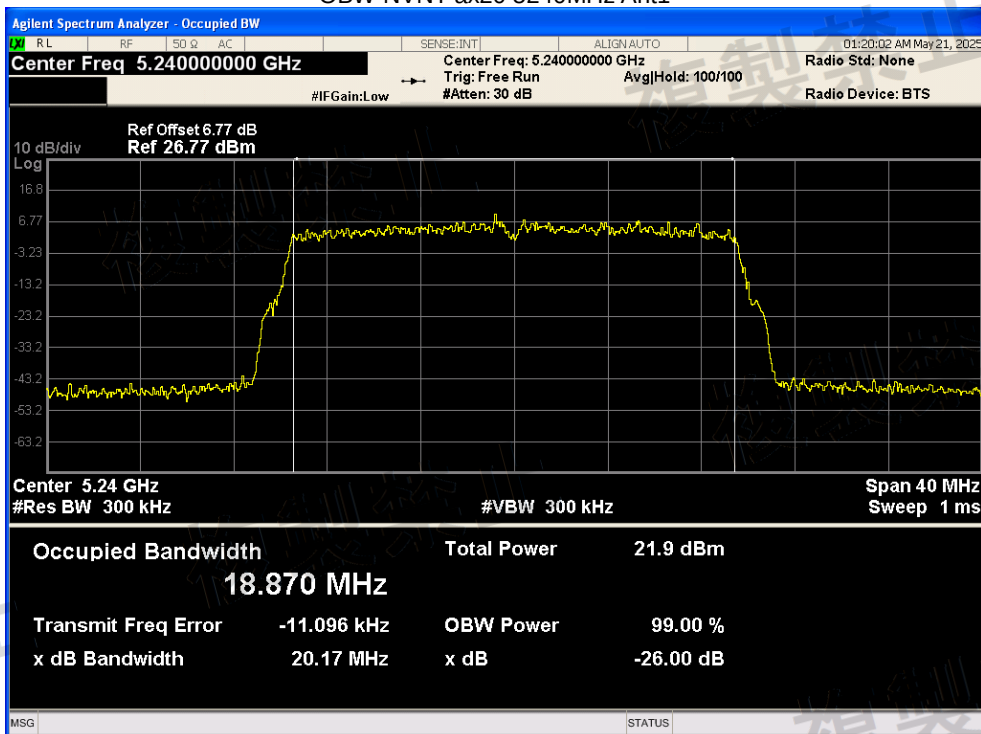
OBW NVNT ax20 5180MHz Ant1



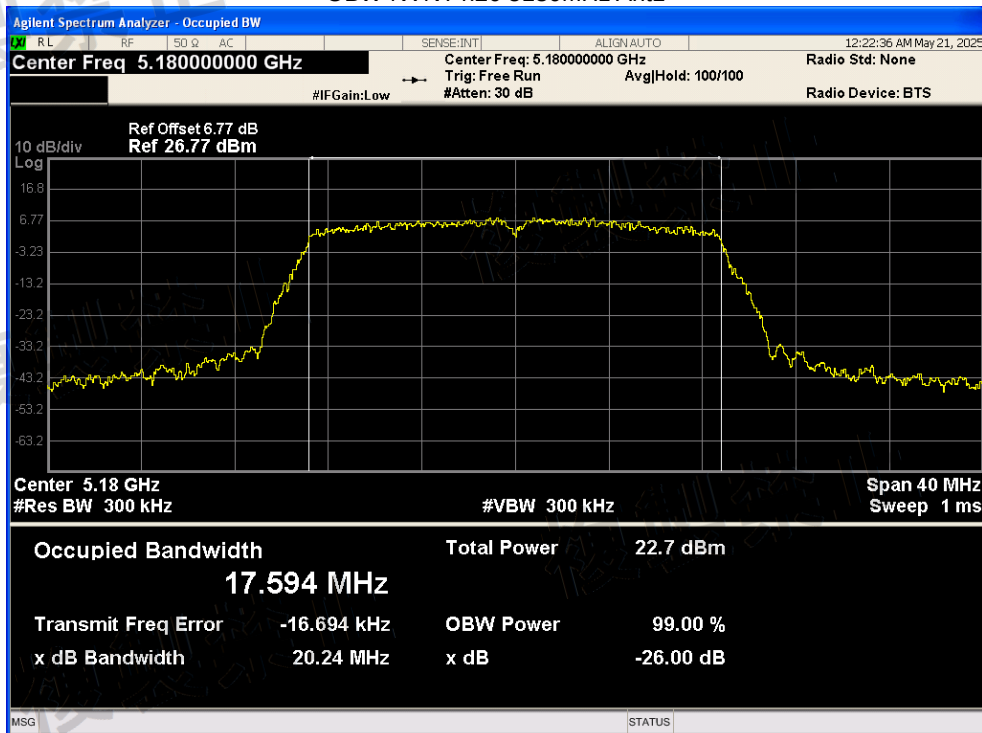
OBW NVNT ax20 5200MHz Ant1



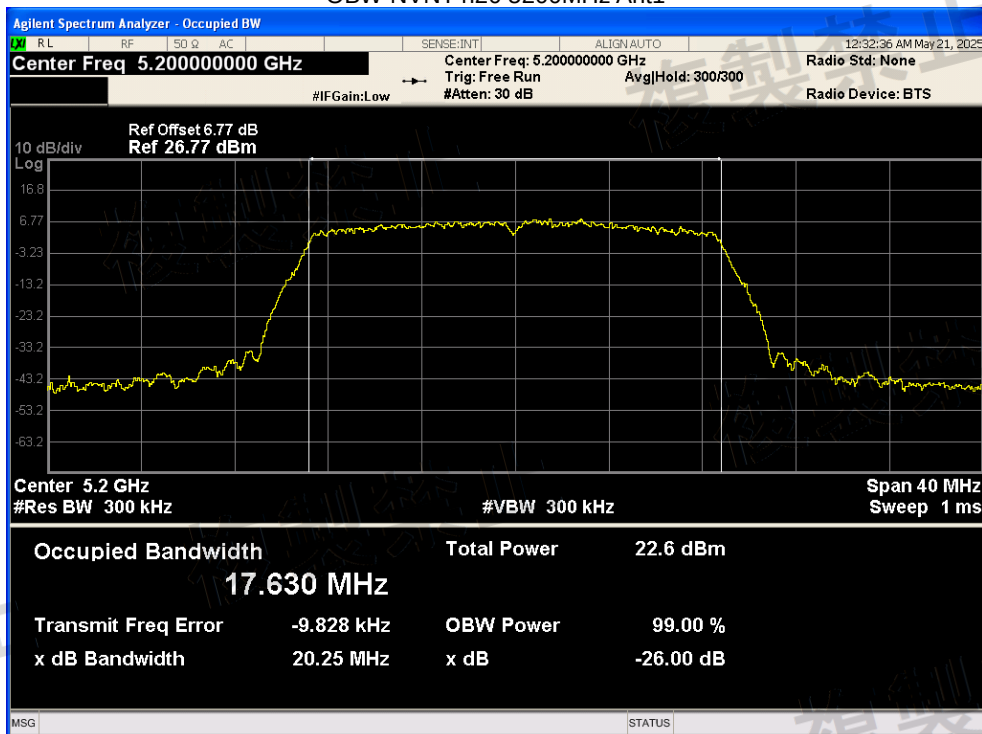
OBW NVNT ax20 5240MHz Ant1



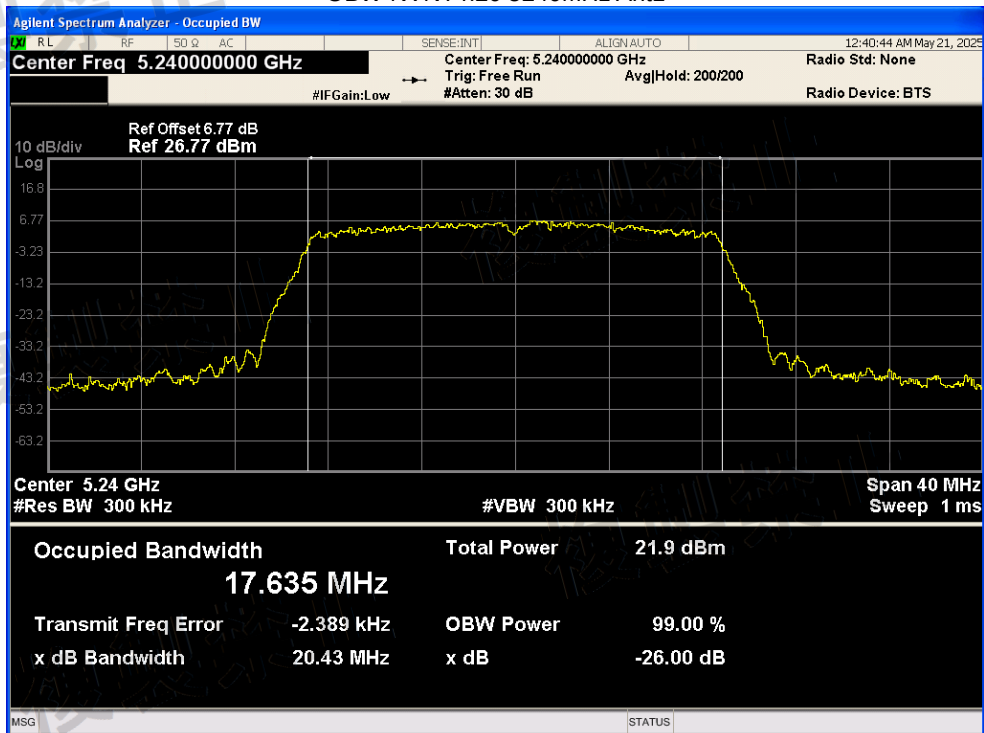
OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1

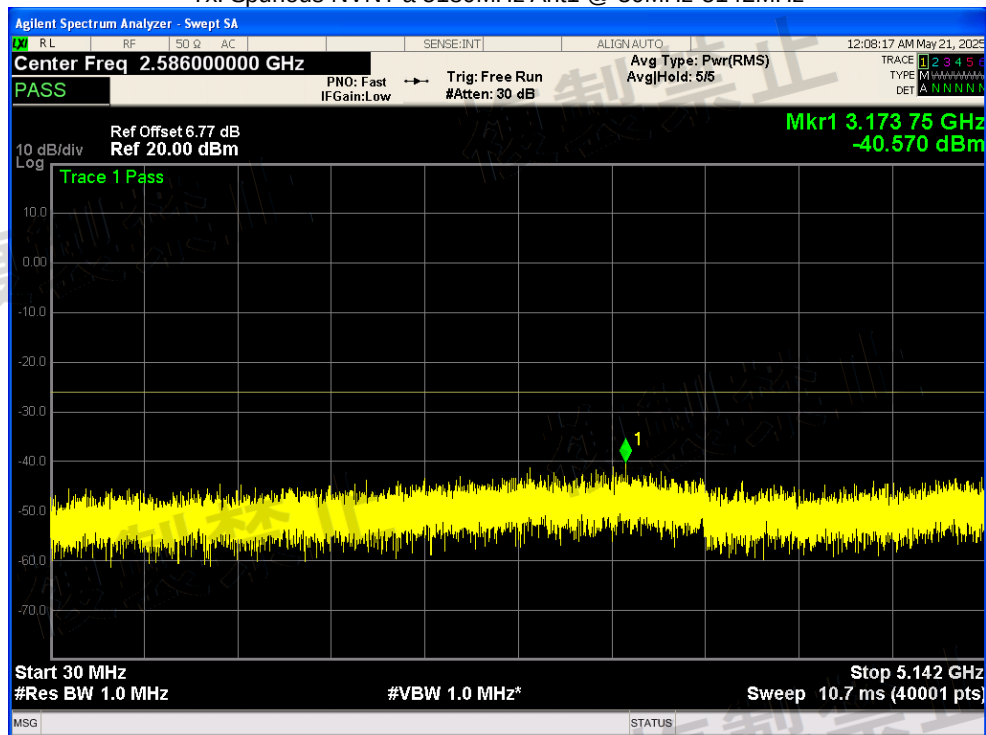


14.4 TX SPURIOUS EMISSION

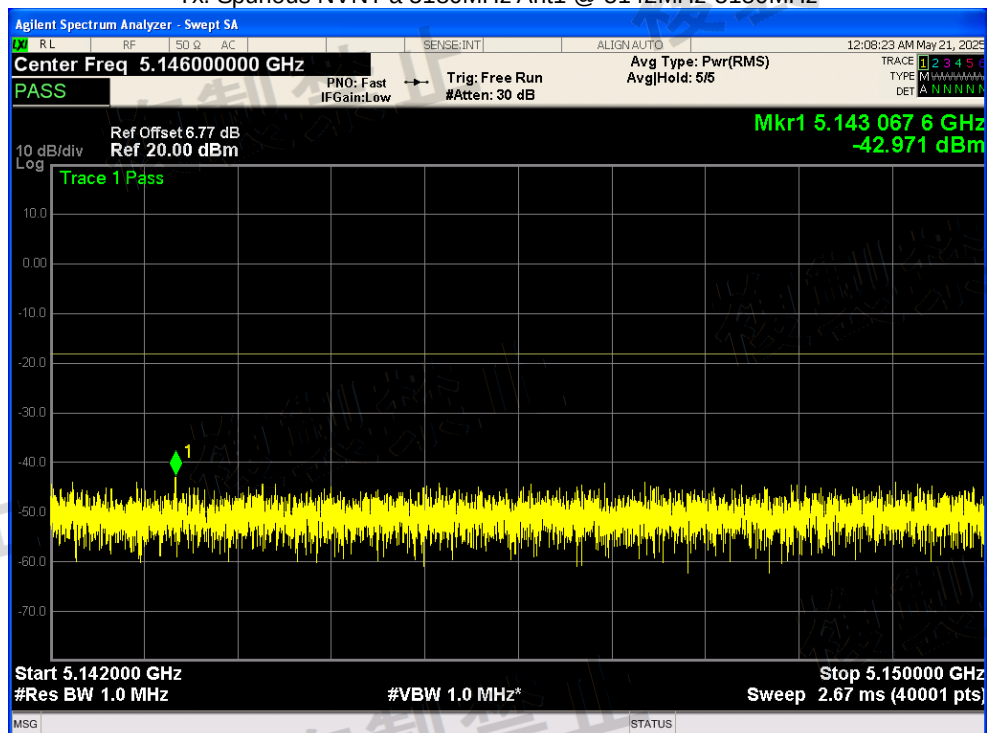
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	a	5180	Ant1	30-5142	3173.75	-40.57	0.0877	2.5	2.5	Pass
NVNT	a	5180	Ant1	5142-5150	5143.07	-42.97	0.0505	15	15	Pass
NVNT	a	5180	Ant1	5250-5251	5250.55	-43.37	0.046	1000	100	Pass
NVNT	a	5180	Ant1	5251-5260	5254.05	-43.77	0.042	100	15.85	Pass
NVNT	a	5180	Ant1	5260-5266.7	5265.99	-42.73	0.0533	15.85	2.49	Pass
NVNT	a	5180	Ant1	5266.7-26000	25882.34	-34.56	0.3499	2.5	2.5	Pass
NVNT	a	5200	Ant1	30-5142	3196.88	-40.27	0.094	2.5	2.5	Pass
NVNT	a	5200	Ant1	5142-5150	5149.08	-43.16	0.0483	15	15	Pass
NVNT	a	5200	Ant1	5250-5251	5250.42	-41.56	0.0698	1000	100	Pass
NVNT	a	5200	Ant1	5251-5260	5258.33	-41.6	0.0692	100	15.85	Pass
NVNT	a	5200	Ant1	5260-5266.7	5264.61	-42.21	0.0601	15.85	2.49	Pass
NVNT	a	5200	Ant1	5266.7-26000	25530.91	-33.18	0.4808	2.5	2.5	Pass
NVNT	a	5240	Ant1	30-5142	3163.14	-40.64	0.0863	2.5	2.5	Pass
NVNT	a	5240	Ant1	5142-5150	5145.57	-42.5	0.0562	15	15	Pass
NVNT	a	5240	Ant1	5250-5251	5250.01	-12.29	59.0201	1000	100	Pass
NVNT	a	5240	Ant1	5251-5260	5251.01	-29.05	1.2445	100	15.85	Pass
NVNT	a	5240	Ant1	5260-5266.7	5260.05	-39.04	0.1247	15.85	2.49	Pass
NVNT	a	5240	Ant1	5266.7-26000	25967.86	-32.94	0.5082	2.5	2.5	Pass
NVNT	ac20	5180	Ant1	30-5142	2417.3	-47.62	0.0173	2.5	2.5	Pass
NVNT	ac20	5180	Ant1	5142-5150	5147.81	-44.04	0.0394	15	15	Pass
NVNT	ac20	5180	Ant1	5250-5251	5250.67	-48.8	0.0132	1000	100	Pass
NVNT	ac20	5180	Ant1	5251-5260	5257.4	-48.54	0.014	100	15.85	Pass
NVNT	ac20	5180	Ant1	5260-5266.7	5264.04	-49.67	0.0108	15.85	2.49	Pass
NVNT	ac20	5180	Ant1	5266.7-26000	25579.63	-53.39	0.0046	2.5	2.5	Pass
NVNT	ac20	5200	Ant1	30-5142	2442.48	-46.2	0.024	2.5	2.5	Pass
NVNT	ac20	5200	Ant1	5142-5150	5147.67	-46.24	0.0238	15	15	Pass
NVNT	ac20	5200	Ant1	5250-5251	5250.42	-45.59	0.0276	1000	100	Pass
NVNT	ac20	5200	Ant1	5251-5260	5252.66	-46.98	0.02	100	15.85	Pass
NVNT	ac20	5200	Ant1	5260-5266.7	5263.6	-47.27	0.0187	15.85	2.49	Pass
NVNT	ac20	5200	Ant1	5266.7-26000	5267.74	-52.69	0.0054	2.5	2.5	Pass
NVNT	ac20	5240	Ant1	30-5142	2458.84	-45.71	0.0269	2.5	2.5	Pass
NVNT	ac20	5240	Ant1	5142-5150	5147.16	-46.37	0.0231	15	15	Pass
NVNT	ac20	5240	Ant1	5250-5251	5250.01	-3.51	445.6562	1000	100	Pass
NVNT	ac20	5240	Ant1	5251-5260	5251.08	-21.51	7.0632	100	15.85	Pass
NVNT	ac20	5240	Ant1	5260-5266.7	5260.3	-36.48	0.2249	15.85	2.49	Pass
NVNT	ac20	5240	Ant1	5266.7-26000	25520.54	-42.9	0.0513	2.5	2.5	Pass
NVNT	ax20	5180	Ant1	30-5142	2698.46	-40.19	0.0957	2.5	2.5	Pass
NVNT	ax20	5180	Ant1	5142-5150	5147.99	-39.25	0.1189	15	15	Pass
NVNT	ax20	5180	Ant1	5250-5250.2	5250.02	-41.6	0.0692	2154.43	630.96	Pass
NVNT	ax20	5180	Ant1	5250.2-5251	5250.32	-41.48	0.0711	630.96	100	Pass
NVNT	ax20	5180	Ant1	5251-5260	5253.04	-41.84	0.0655	100	15.85	Pass
NVNT	ax20	5180	Ant1	5260-5266.7	5263.95	-41.27	0.0746	15.85	2.49	Pass
NVNT	ax20	5180	Ant1	5266.7-26000	25958.53	-33.08	0.492	2.5	2.5	Pass
NVNT	ax20	5200	Ant1	30-5142	2885.82	-40.35	0.0923	2.5	2.5	Pass
NVNT	ax20	5200	Ant1	5142-5150	5144.91	-41.55	0.07	15	15	Pass
NVNT	ax20	5200	Ant1	5250-5250.2	5250.06	-41.36	0.0731	2154.43	630.96	Pass
NVNT	ax20	5200	Ant1	5250.2-5251	5250.94	-40.27	0.094	630.96	100	Pass
NVNT	ax20	5200	Ant1	5251-5260	5251.74	-41.34	0.0735	100	15.85	Pass
NVNT	ax20	5200	Ant1	5260-5266.7	5260.64	-41.92	0.0643	15.85	2.49	Pass
NVNT	ax20	5200	Ant1	5266.7-26000	25997.93	-33	0.5012	2.5	2.5	Pass
NVNT	ax20	5240	Ant1	30-5142	3191.52	-40.89	0.0815	2.5	2.5	Pass
NVNT	ax20	5240	Ant1	5142-5150	5142.52	-42.15	0.061	15	15	Pass
NVNT	ax20	5240	Ant1	5250-5250.2	5250.183	-10.71	84.918	2154.43	630.96	Pass
NVNT	ax20	5240	Ant1	5250.2-5251	5250.206	-11.23	75.336	630.96	100	Pass
NVNT	ax20	5240	Ant1	5251-5260	5252.345	-22.05	6.237	100	15.85	Pass
NVNT	ax20	5240	Ant1	5260-5266.7	5262.67	-37.67	0.171	15.85	2.49	Pass
NVNT	ax20	5240	Ant1	5266.7-26000	25511.73	-33.63	0.4335	2.5	2.5	Pass
NVNT	n20	5180	Ant1	30-5142	5094.84	-46.34	0.0232	2.5	2.5	Pass
NVNT	n20	5180	Ant1	5142-5150	5149.05	-41.11	0.0774	15	15	Pass
NVNT	n20	5180	Ant1	5250-5251	5250.15	-46.39	0.023	1000	100	Pass
NVNT	n20	5180	Ant1	5251-5260	5251.8	-46.9	0.0204	100	15.85	Pass
NVNT	n20	5180	Ant1	5260-5266.7	5263.93	-47.45	0.018	15.85	2.49	Pass
NVNT	n20	5180	Ant1	5266.7-26000	25956.46	-43.39	0.0458	2.5	2.5	Pass
NVNT	n20	5200	Ant1	30-5142	5131.01	-46.9	0.0204	2.5	2.5	Pass
NVNT	n20	5200	Ant1	5142-5150	5147.8	-45.3	0.0295	15	15	Pass
NVNT	n20	5200	Ant1	5250-5251	5250.17	-45.73	0.0267	1000	100	Pass
NVNT	n20	5200	Ant1	5251-5260	5255.61	-45.85	0.026	100	15.85	Pass
NVNT	n20	5200	Ant1	5260-5266.7	5260.65	-46.18	0.0241	15.85	2.49	Pass
NVNT	n20	5200	Ant1	5266.7-26000	25785.93	-42.56	0.0555	2.5	2.5	Pass
NVNT	n20	5240	Ant1	30-5142	3170.81	-40.4	0.0912	2.5	2.5	Pass
NVNT	n20	5240	Ant1	5142-5150	5143.26	-42.8	0.0525	15	15	Pass

NVNT	n20	5240	Ant1	5250-5251	5250.03	-3.85	412.0975	1000	100	Pass
NVNT	n20	5240	Ant1	5251-5260	5251.02	-20.12	9.7275	100	15.85	Pass
NVNT	n20	5240	Ant1	5260-5266.7	5260.09	-35.54	0.2793	15.85	2.49	Pass
NVNT	n20	5240	Ant1	5266.7-26000	25484.78	-32.6	0.5495	2.5	2.5	Pass

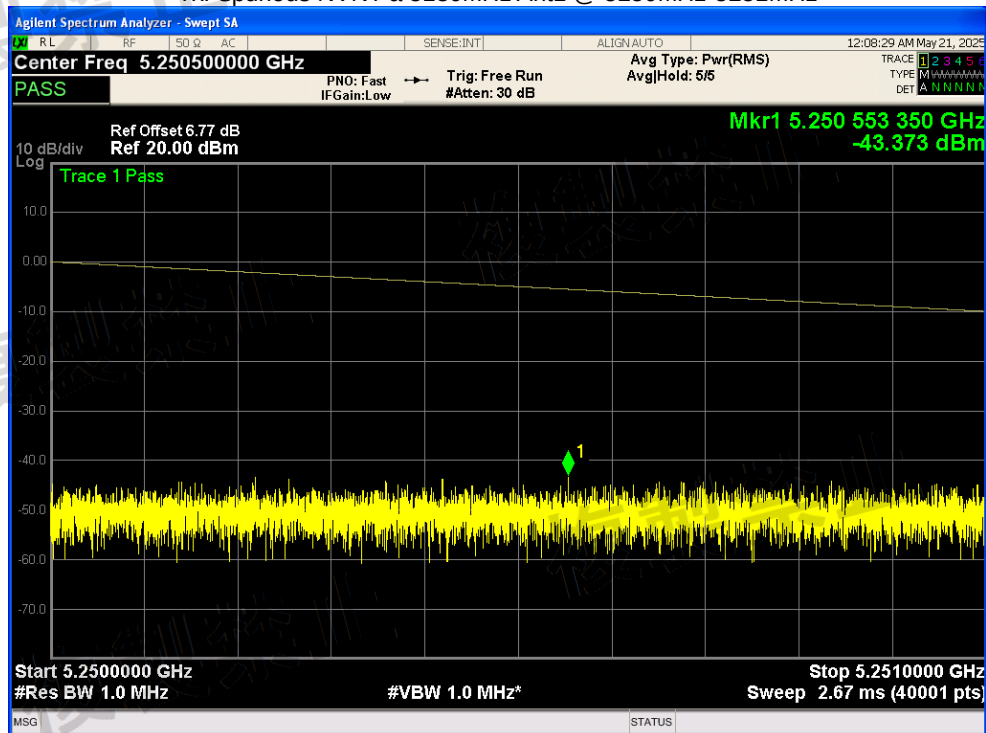
Tx. Spurious NVNT a 5180MHz Ant1 @ 30MHz-5142MHz



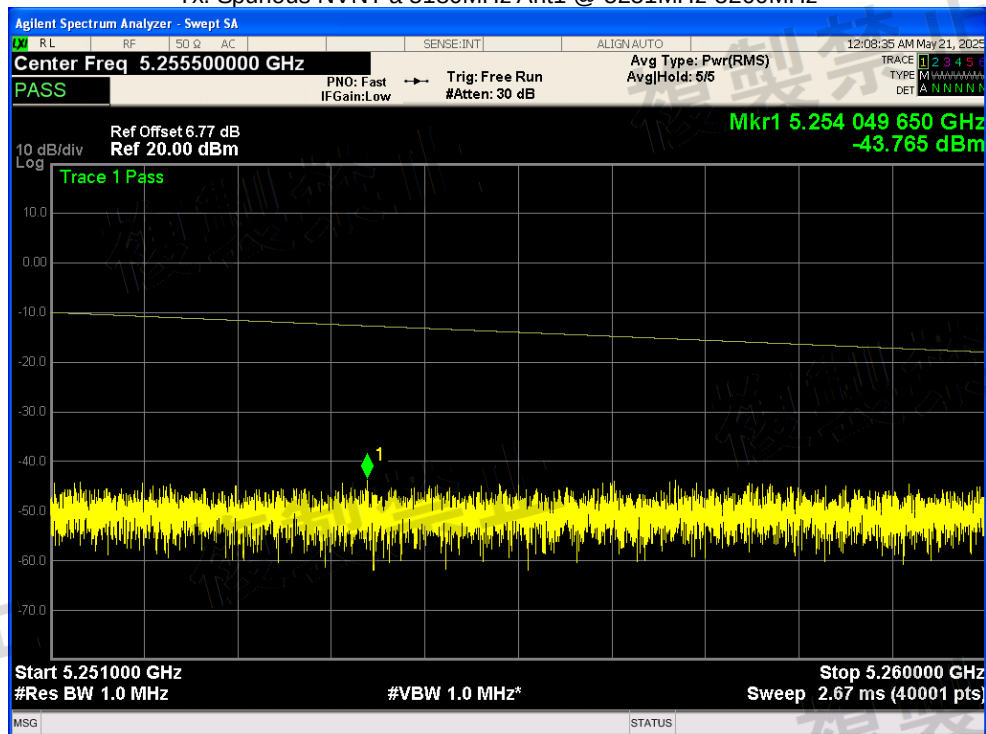
Tx. Spurious NVNT a 5180MHz Ant1 @ 5142MHz-5150MHz



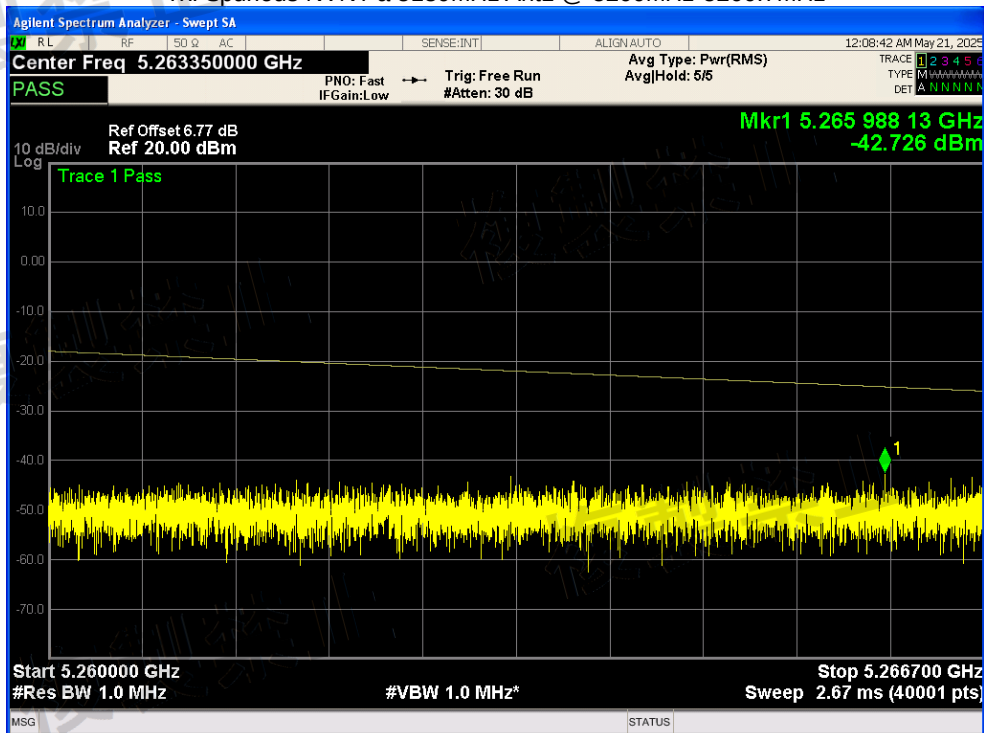
Tx. Spurious NVNT a 5180MHz Ant1 @ 5250MHz-5251MHz



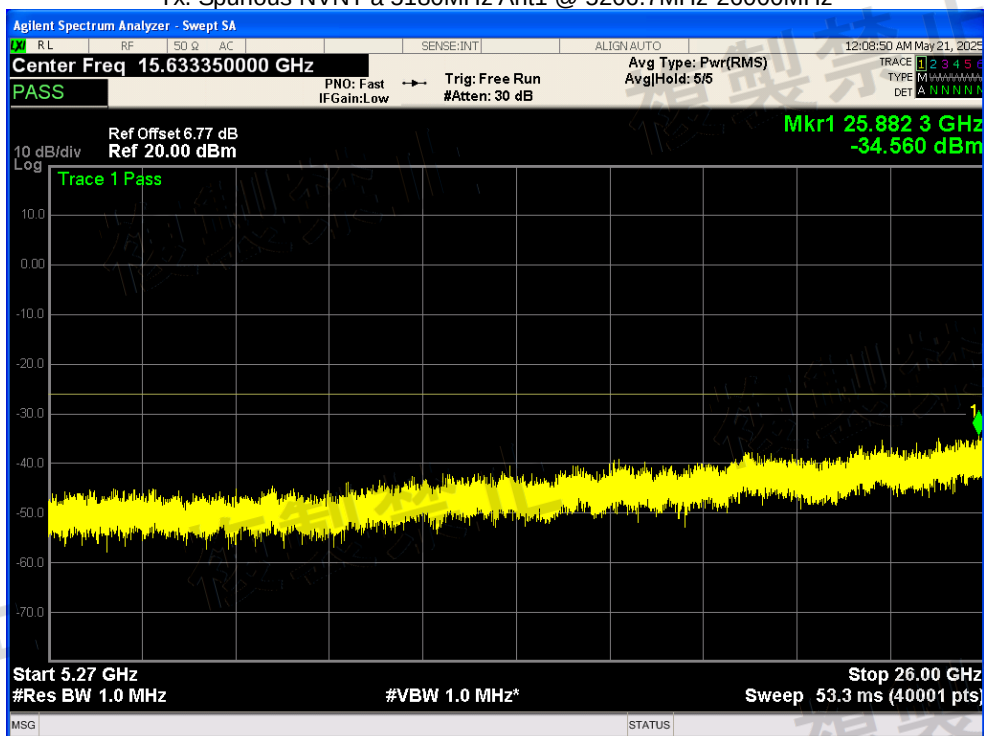
Tx. Spurious NVNT a 5180MHz Ant1 @ 5251MHz-5260MHz



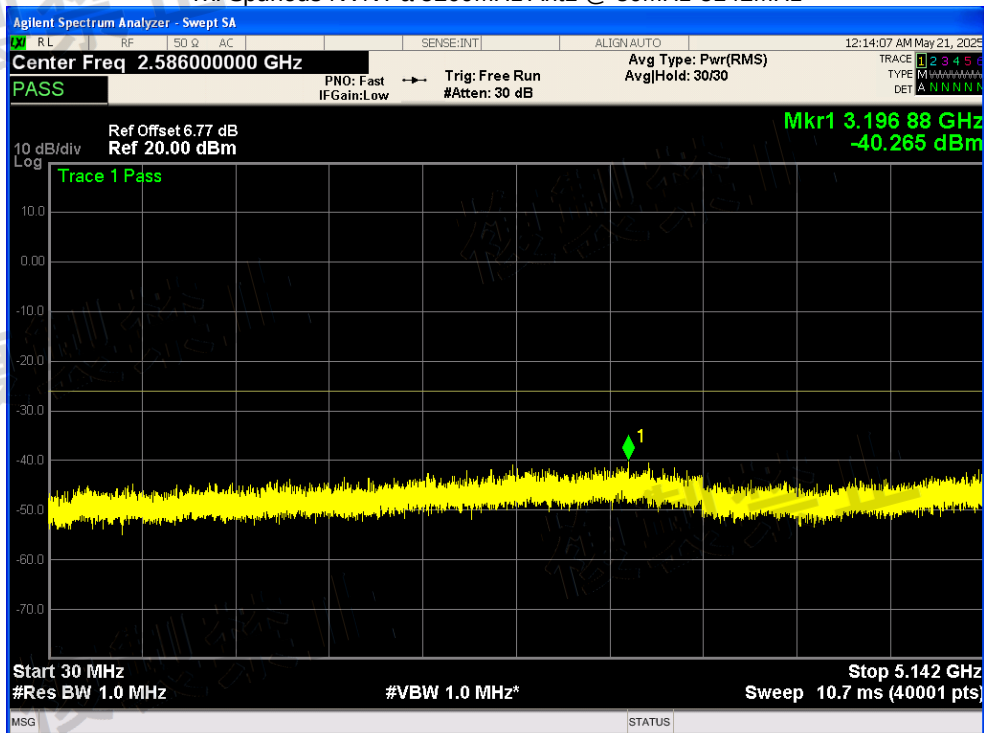
Tx. Spurious NVNT a 5180MHz Ant1 @ 5260MHz-5266.7MHz



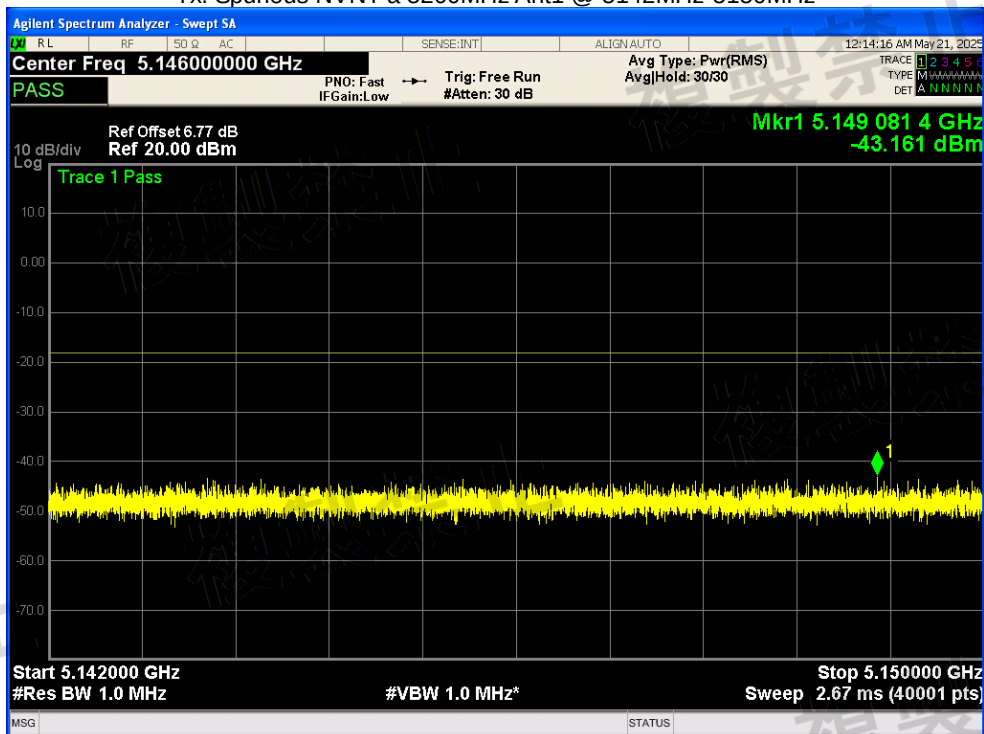
Tx. Spurious NVNT a 5180MHz Ant1 @ 5266.7MHz-26000MHz



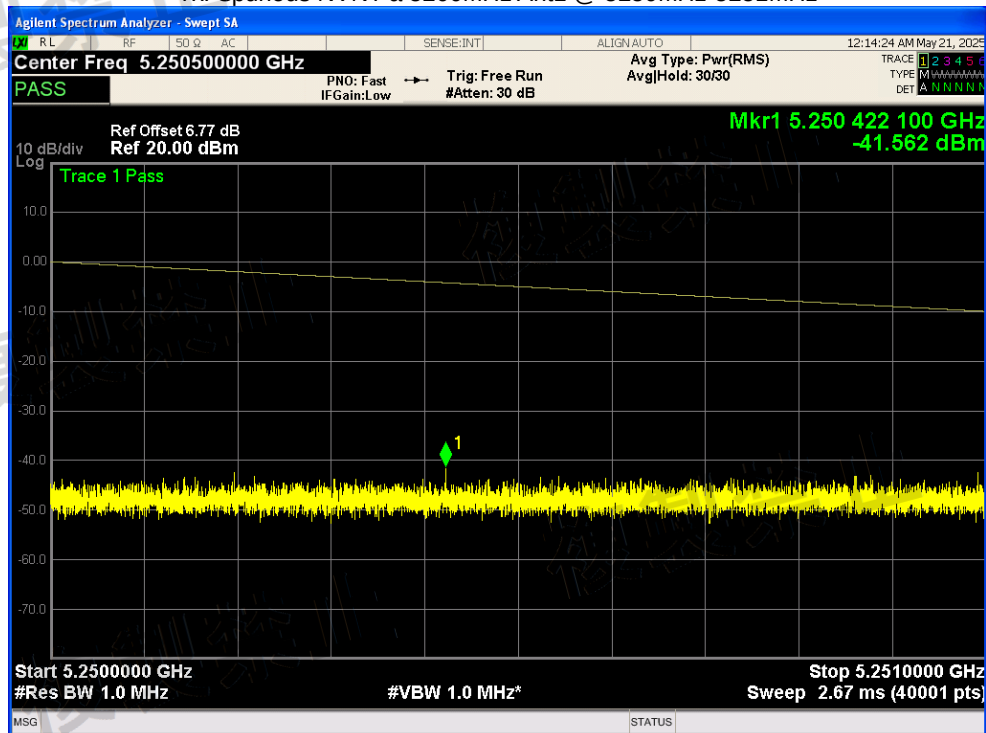
Tx. Spurious NVNT a 5200MHz Ant1 @ 30MHz-5142MHz



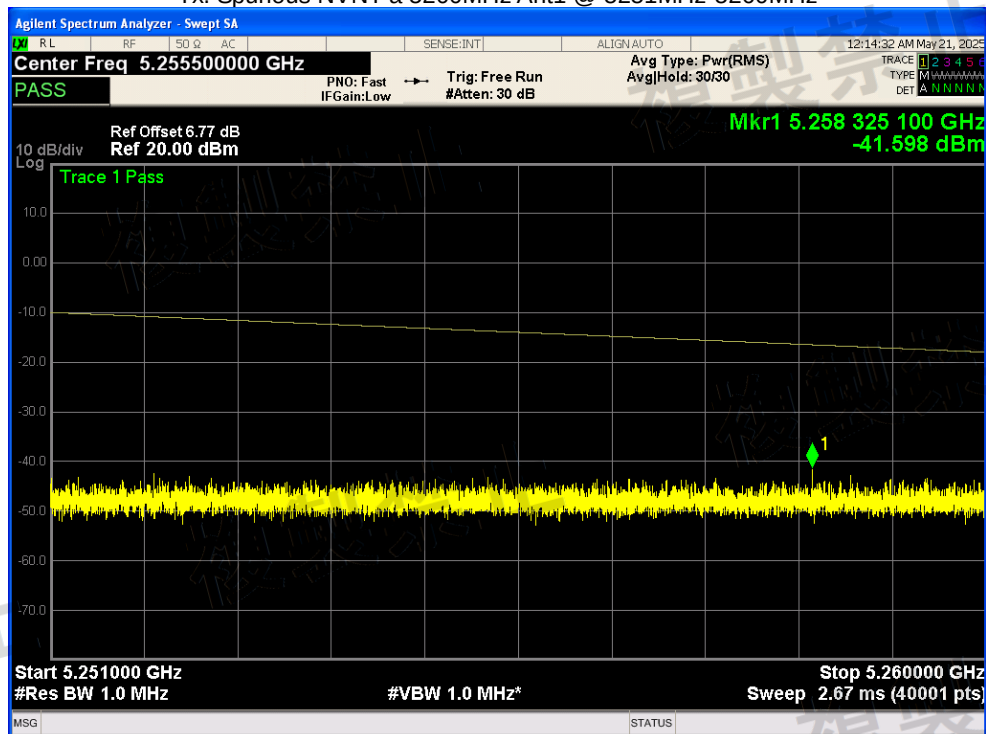
Tx. Spurious NVNT a 5200MHz Ant1 @ 5142MHz-5150MHz



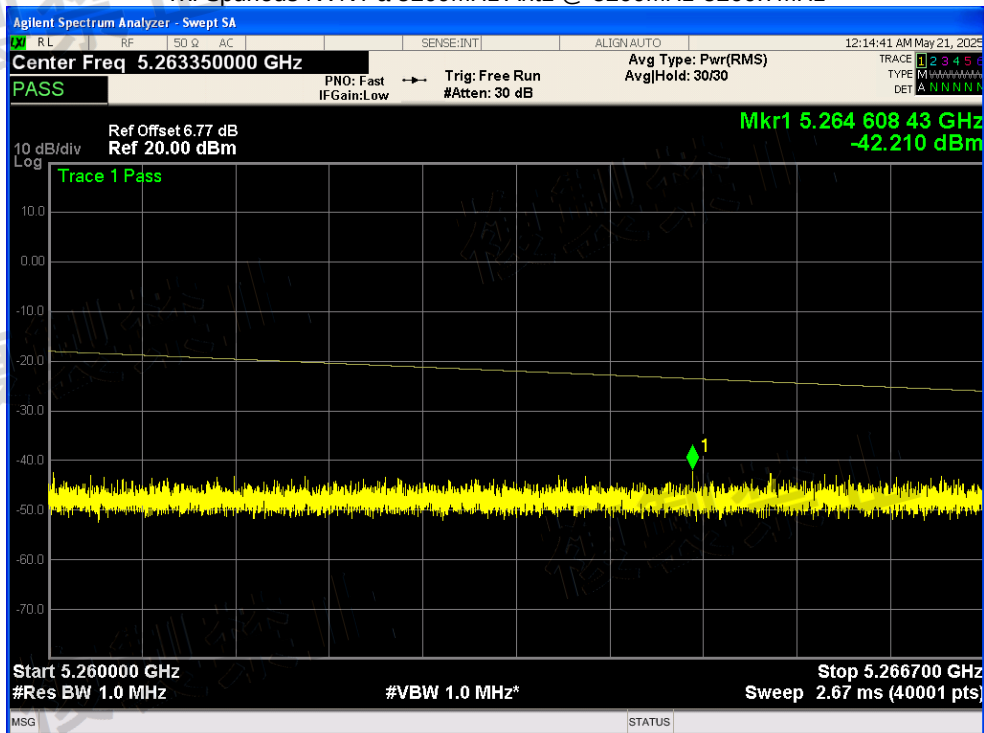
Tx. Spurious NVNT a 5200MHz Ant1 @ 5250MHz-5251MHz



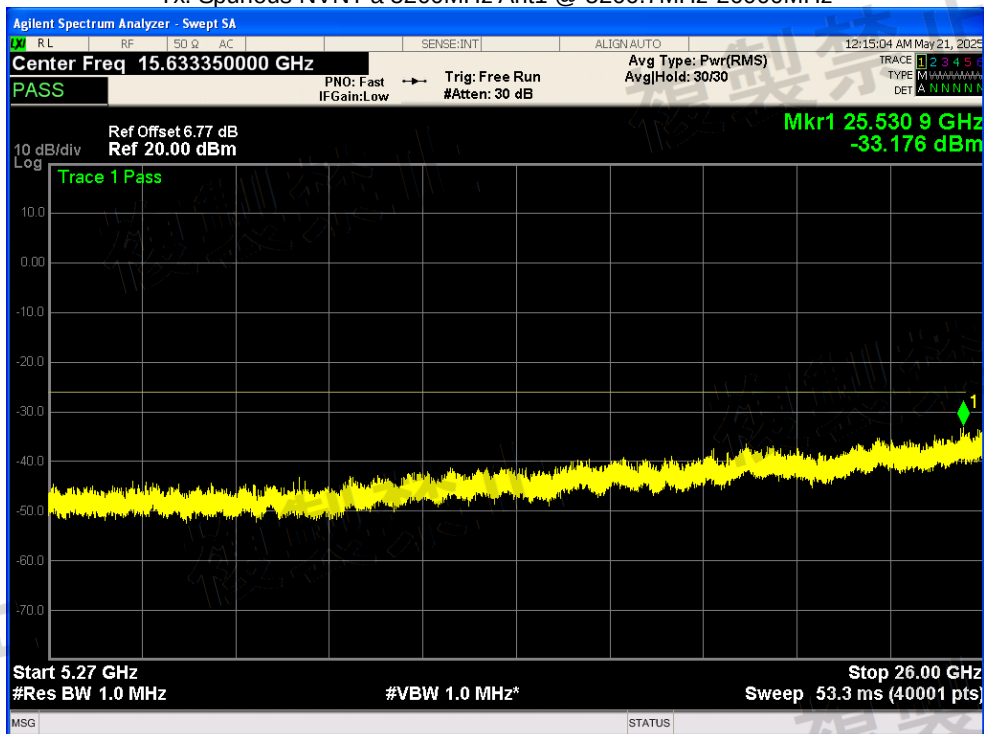
Tx. Spurious NVNT a 5200MHz Ant1 @ 5251MHz-5260MHz



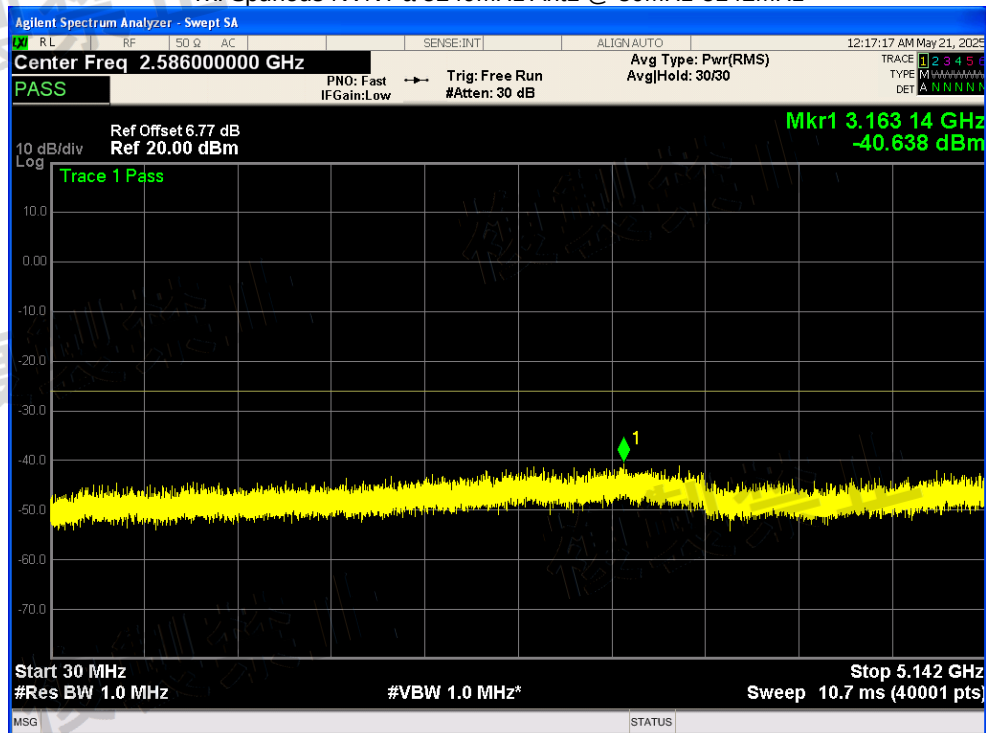
Tx. Spurious NVNT a 5200MHz Ant1 @ 5260MHz-5266.7MHz



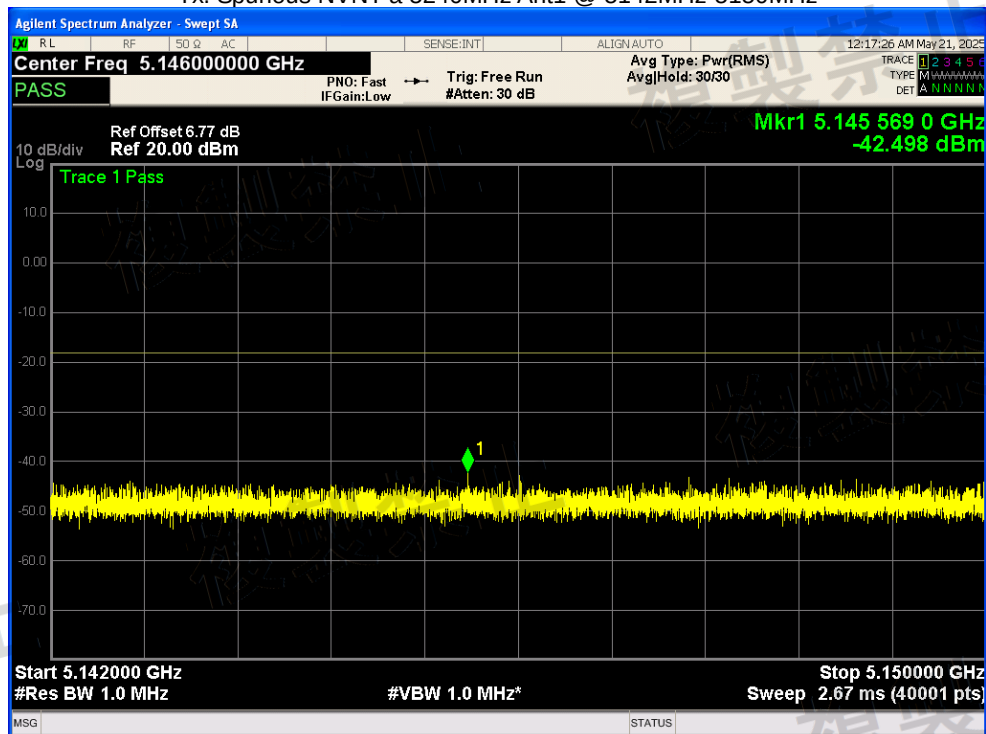
Tx. Spurious NVNT a 5200MHz Ant1 @ 5266.7MHz-26000MHz



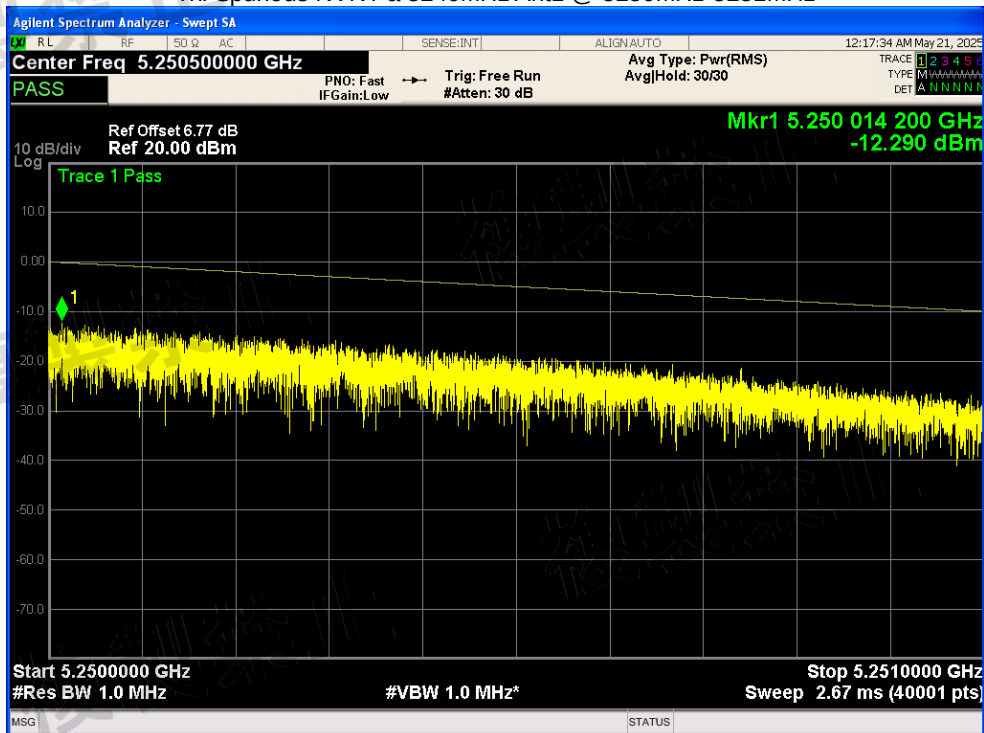
Tx. Spurious NVNT a 5240MHz Ant1 @ 30MHz-5142MHz



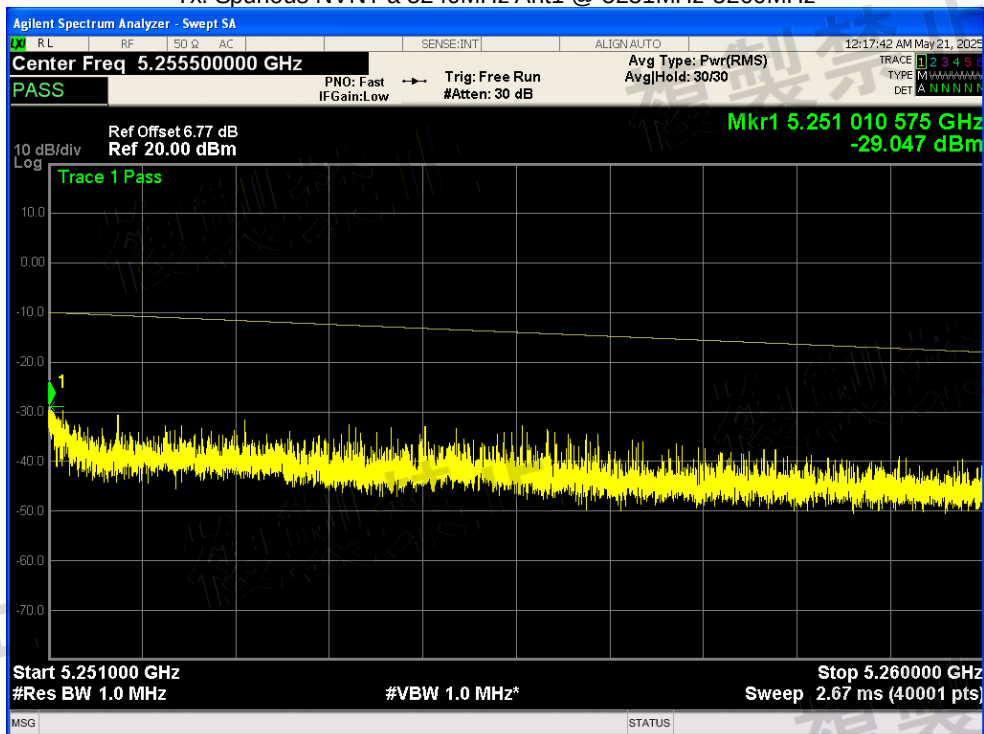
Tx. Spurious NVNT a 5240MHz Ant1 @ 5142MHz-5150MHz



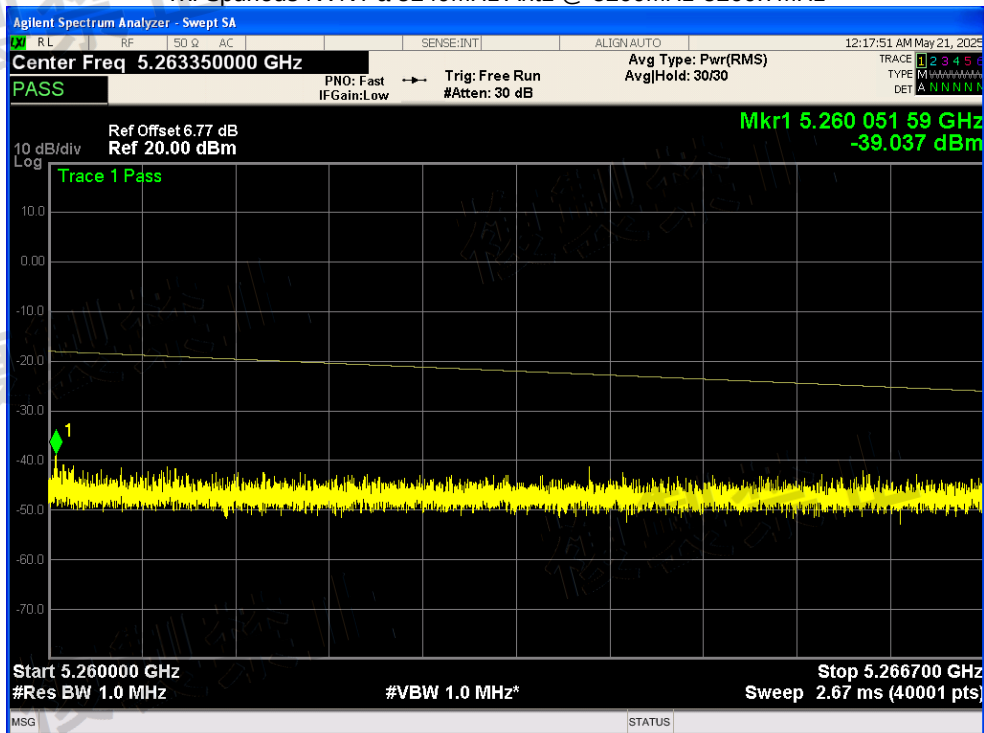
Tx. Spurious NVNT a 5240MHz Ant1 @ 5250MHz-5251MHz



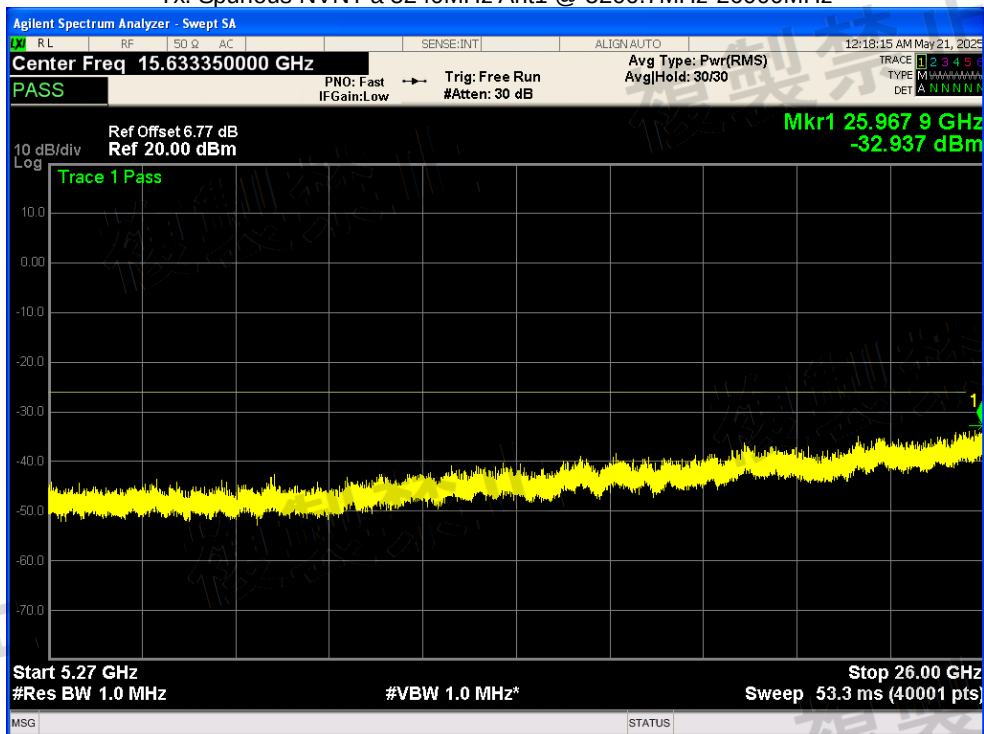
Tx. Spurious NVNT a 5240MHz Ant1 @ 5251MHz-5260MHz



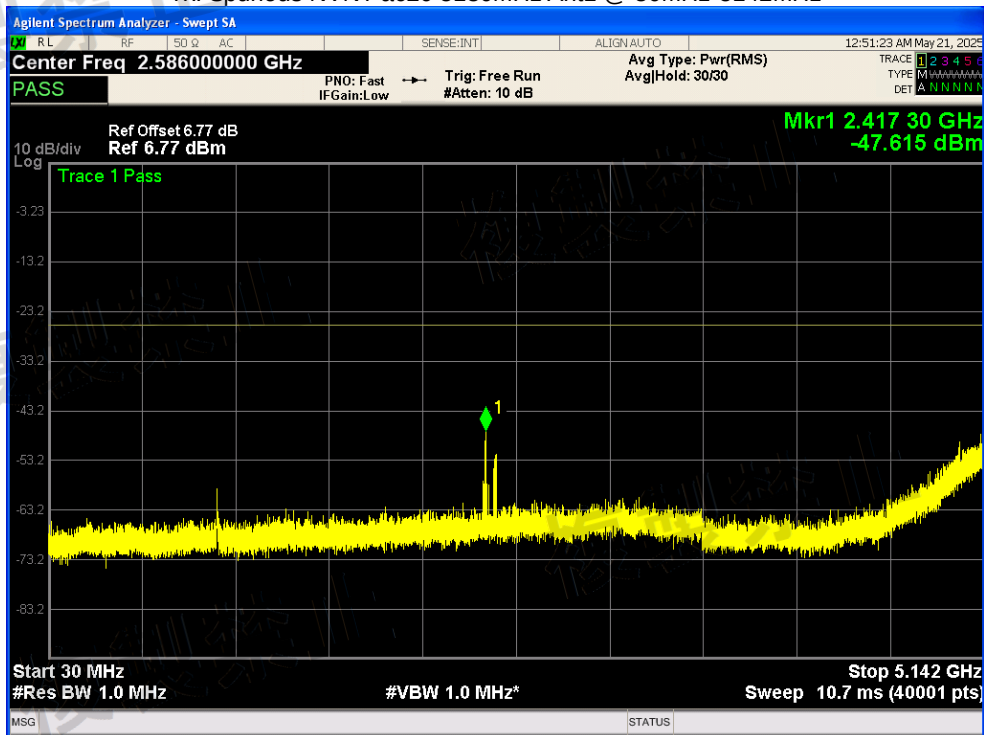
Tx. Spurious NVNT a 5240MHz Ant1 @ 5260MHz-5266.7MHz



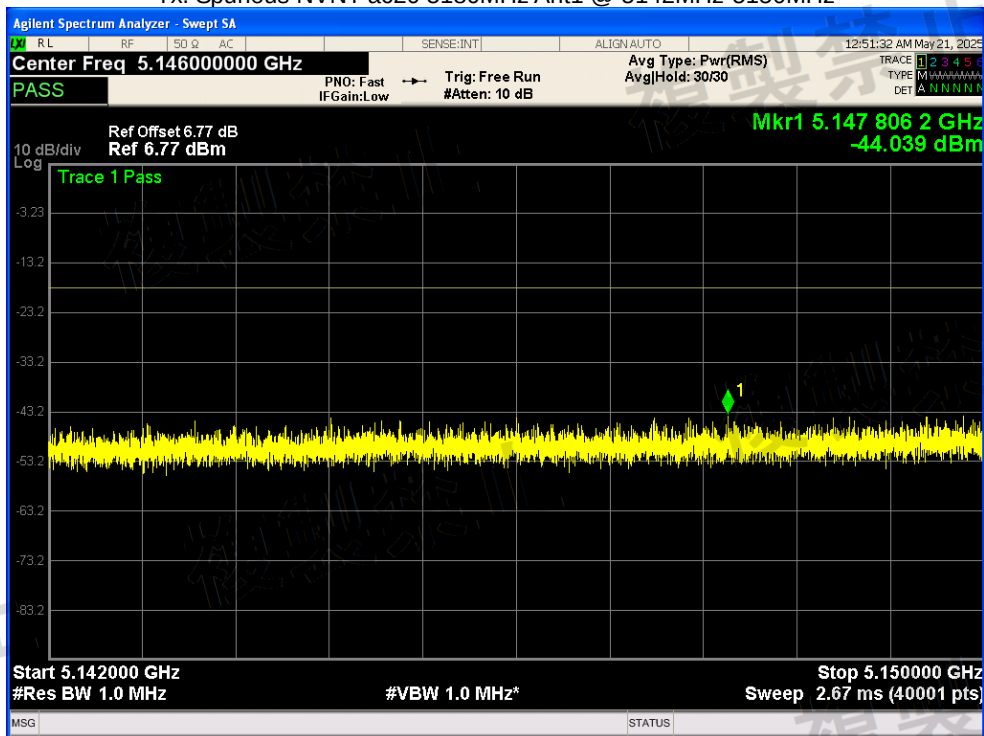
Tx. Spurious NVNT a 5240MHz Ant1 @ 5266.7MHz-26000MHz



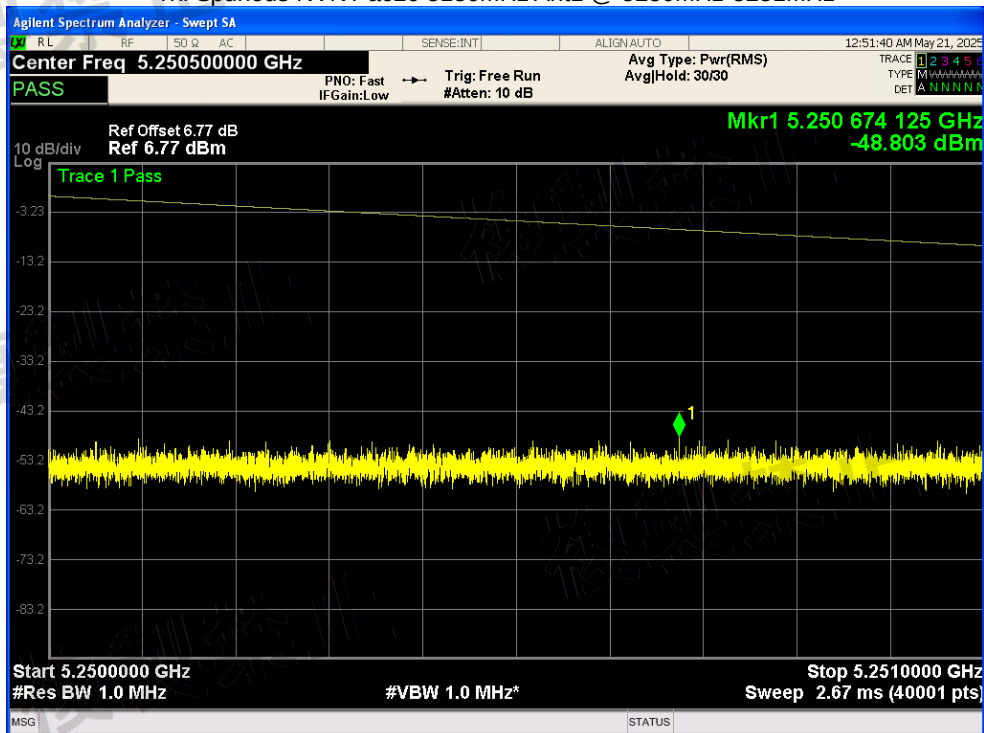
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 30MHz-5142MHz



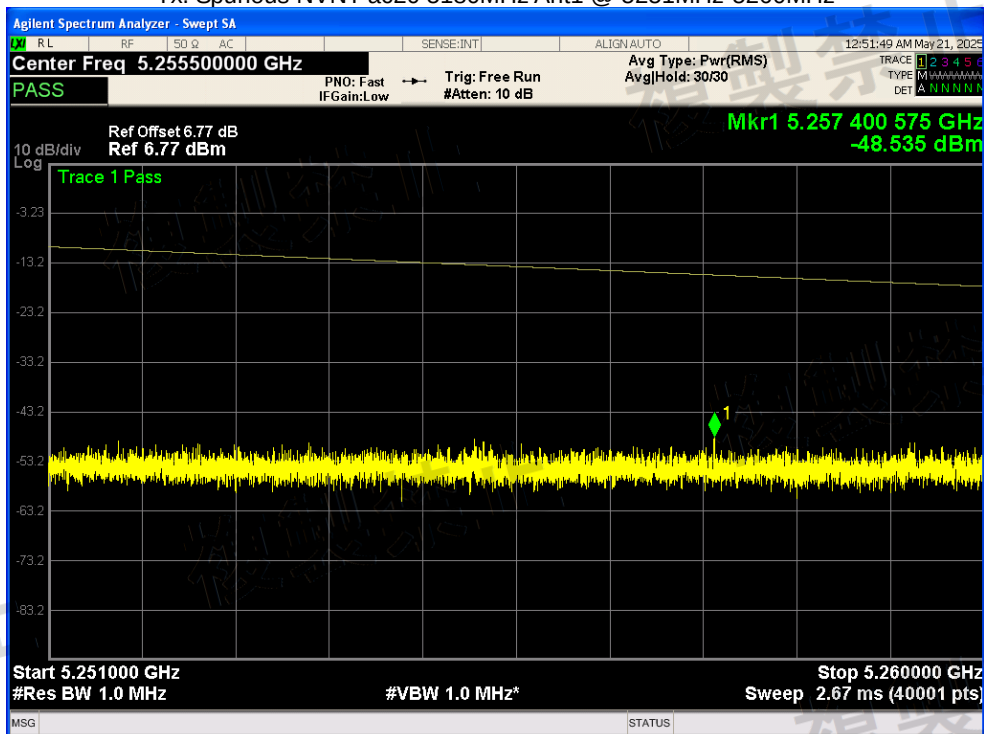
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5142MHz-5150MHz



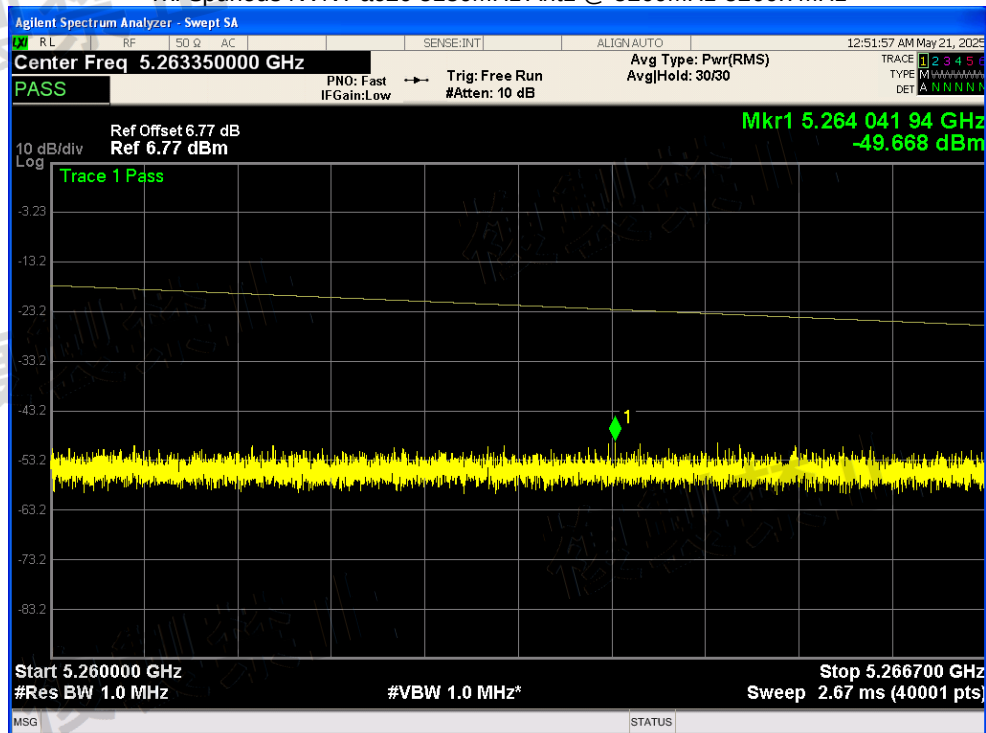
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5250MHz-5251MHz



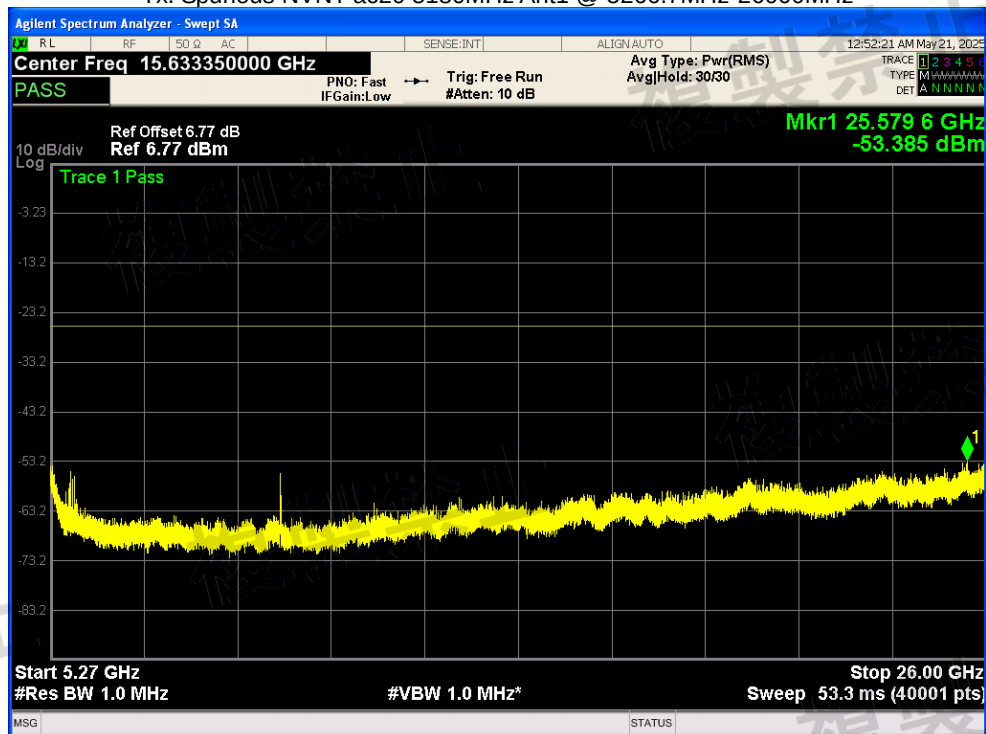
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5251MHz-5260MHz



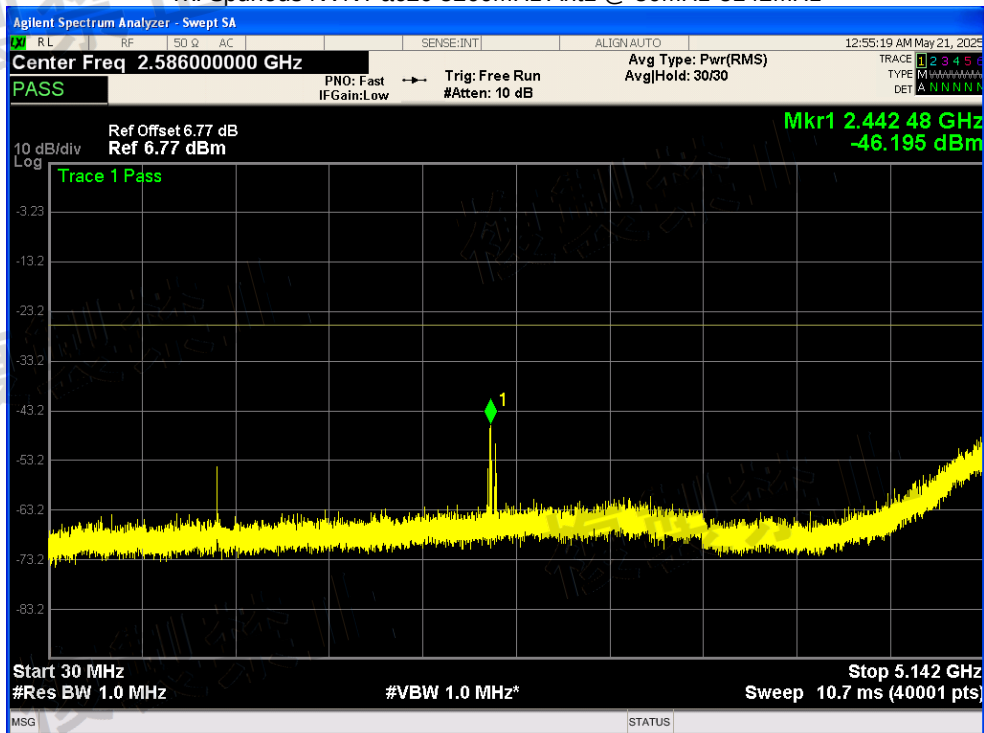
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5260MHz-5266.7MHz



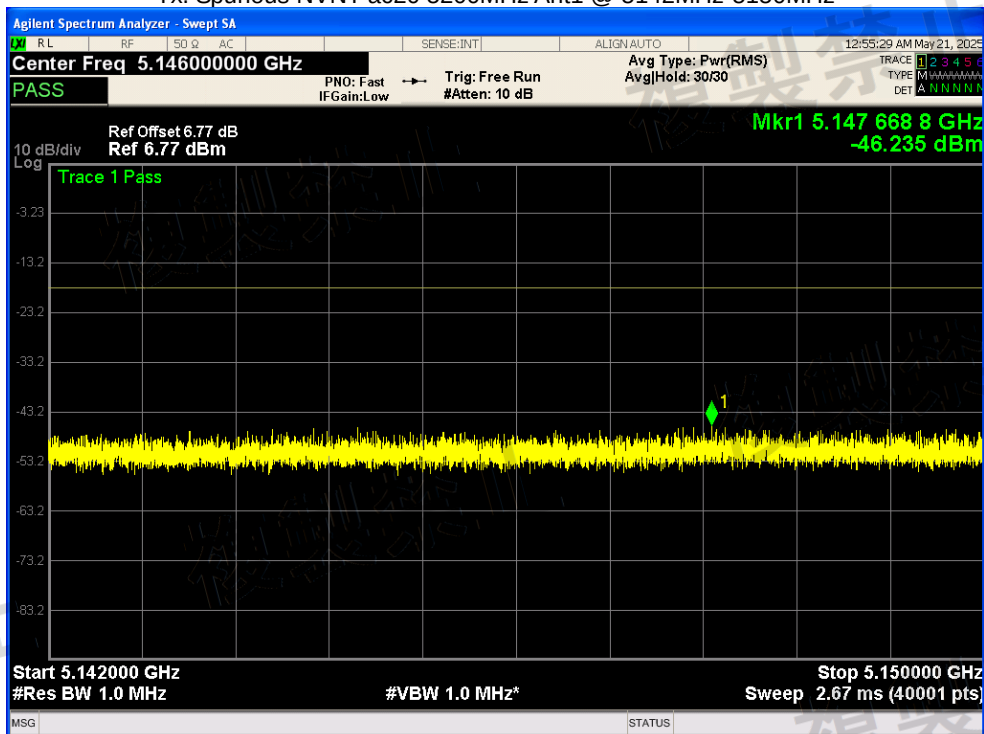
Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5266.7MHz-26000MHz



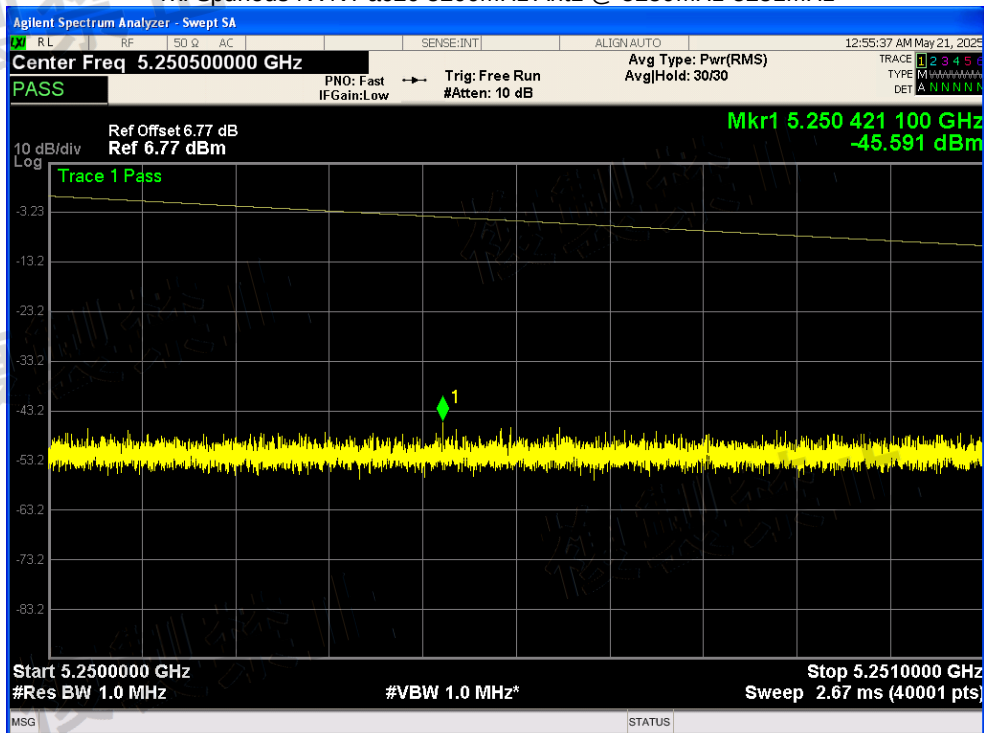
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 30MHz-5142MHz



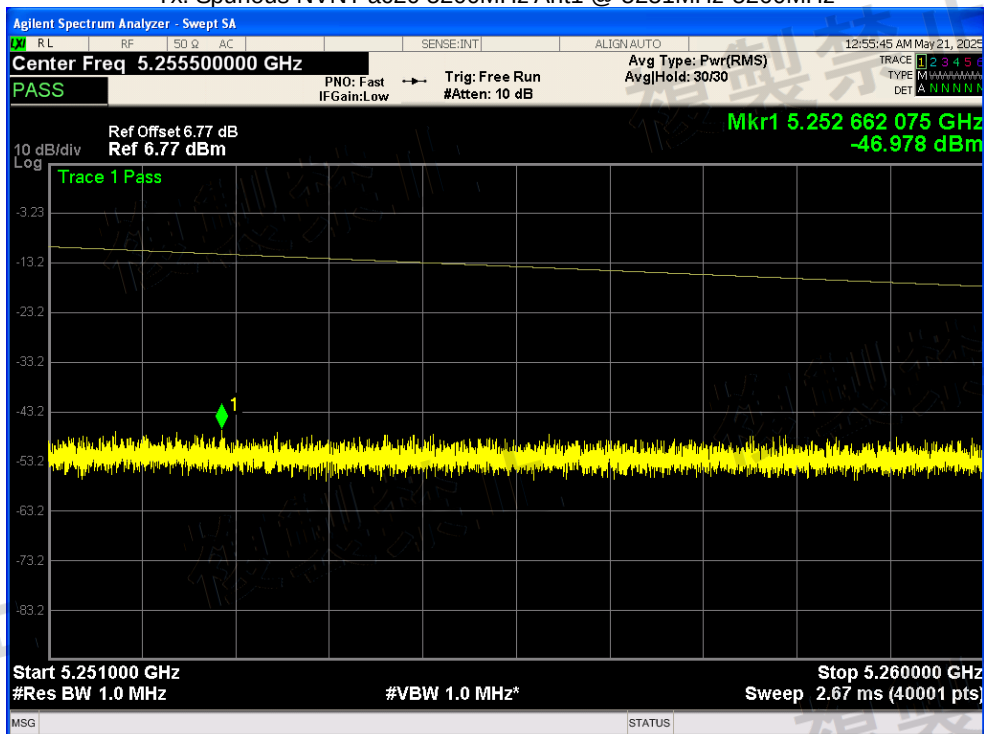
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5142MHz-5150MHz



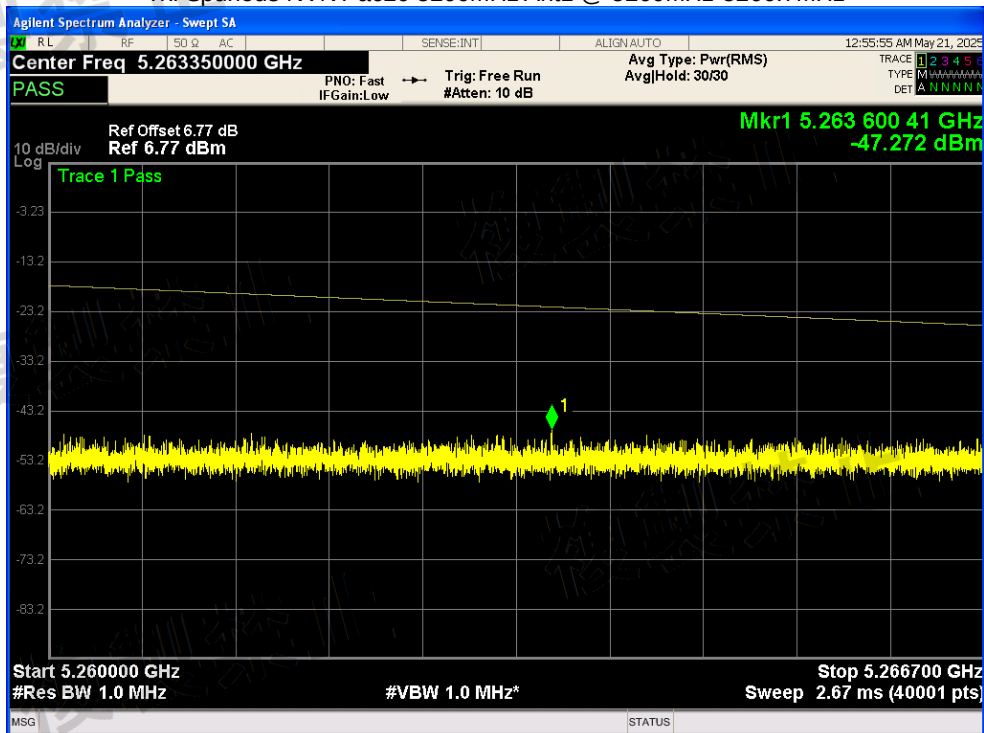
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5250MHz-5251MHz



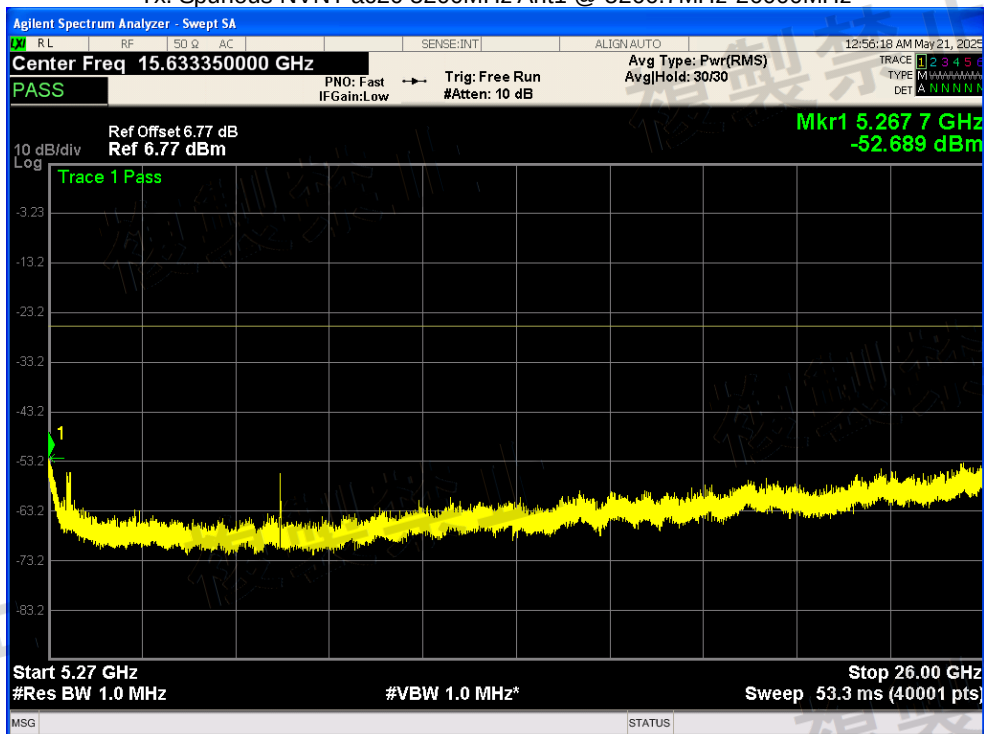
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5251MHz-5260MHz



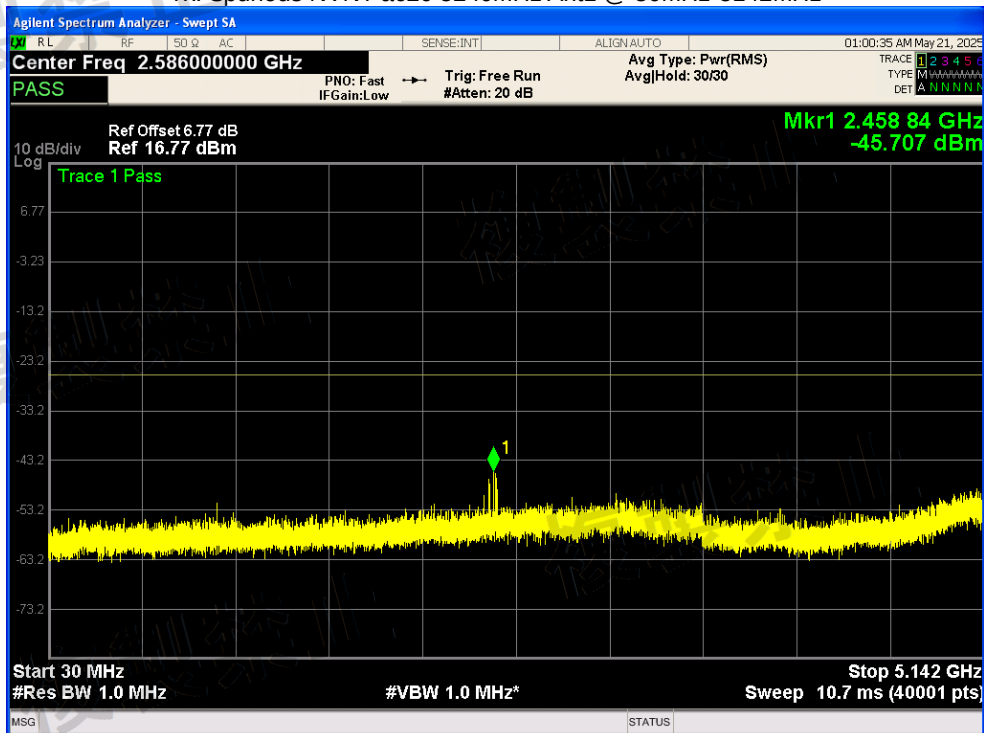
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5260MHz-5266.7MHz



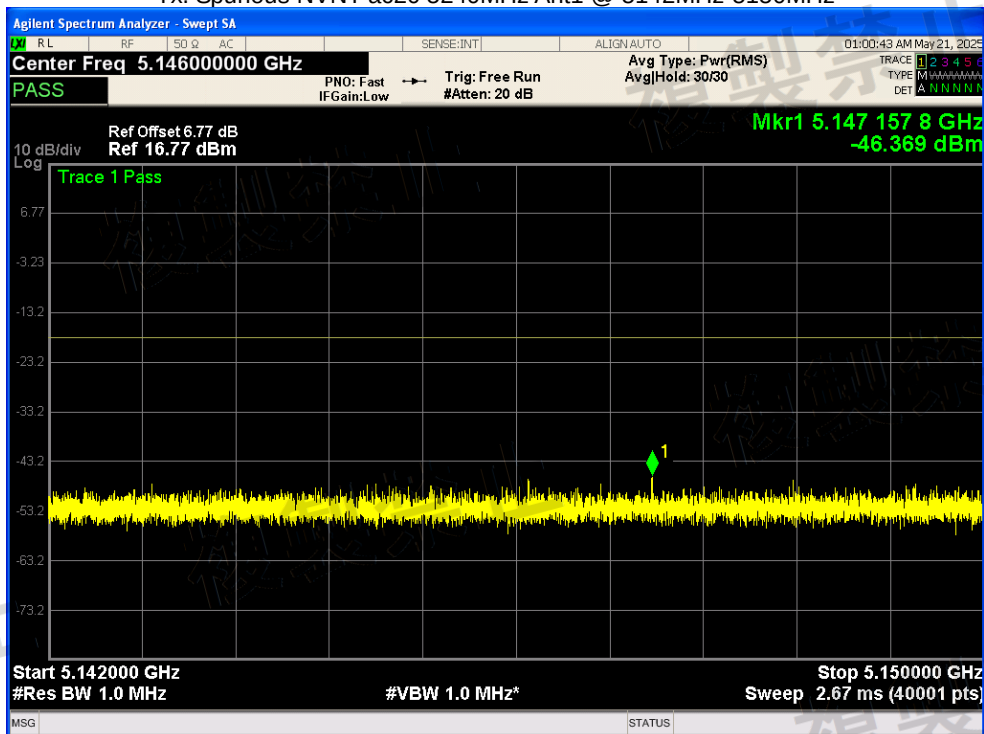
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5266.7MHz-26000MHz



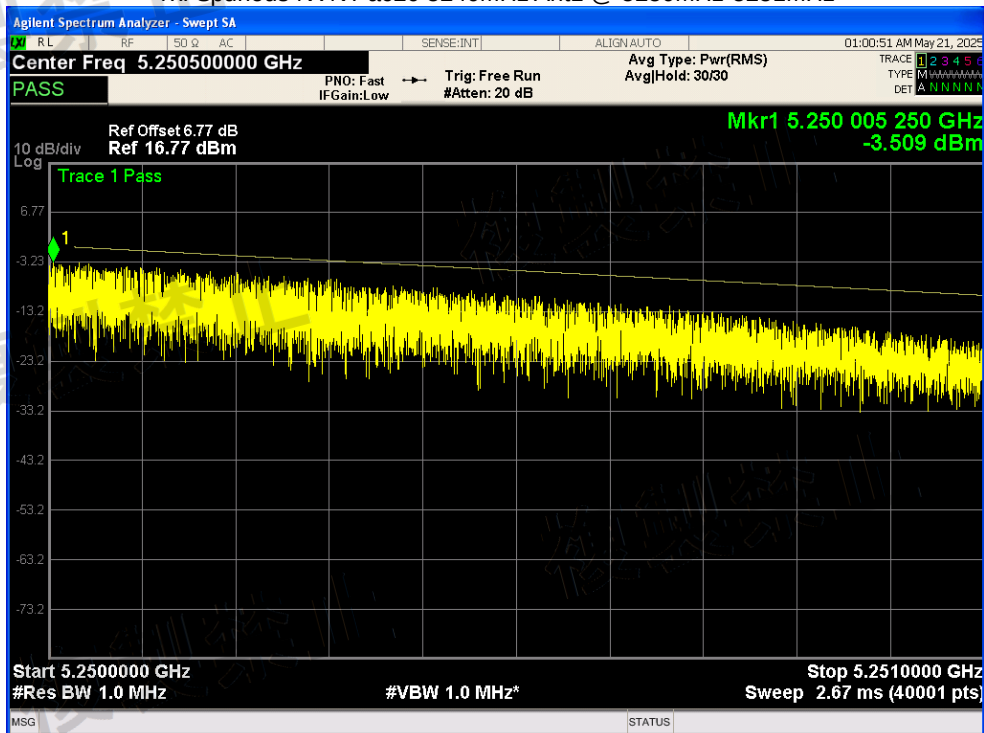
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 30MHz-5142MHz



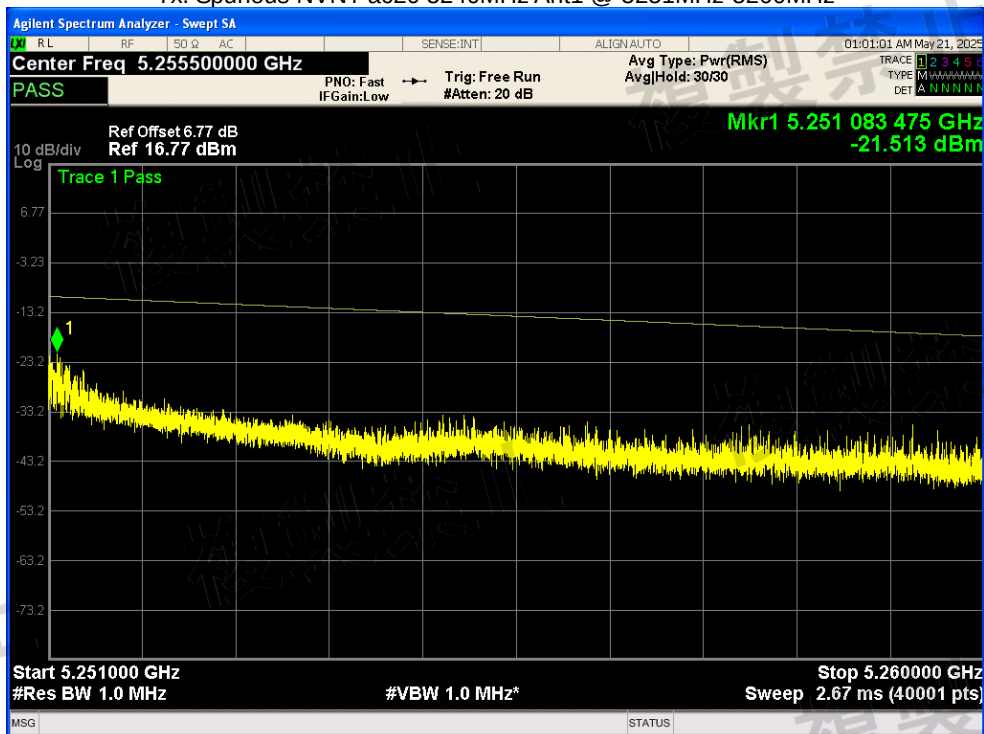
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5142MHz-5150MHz



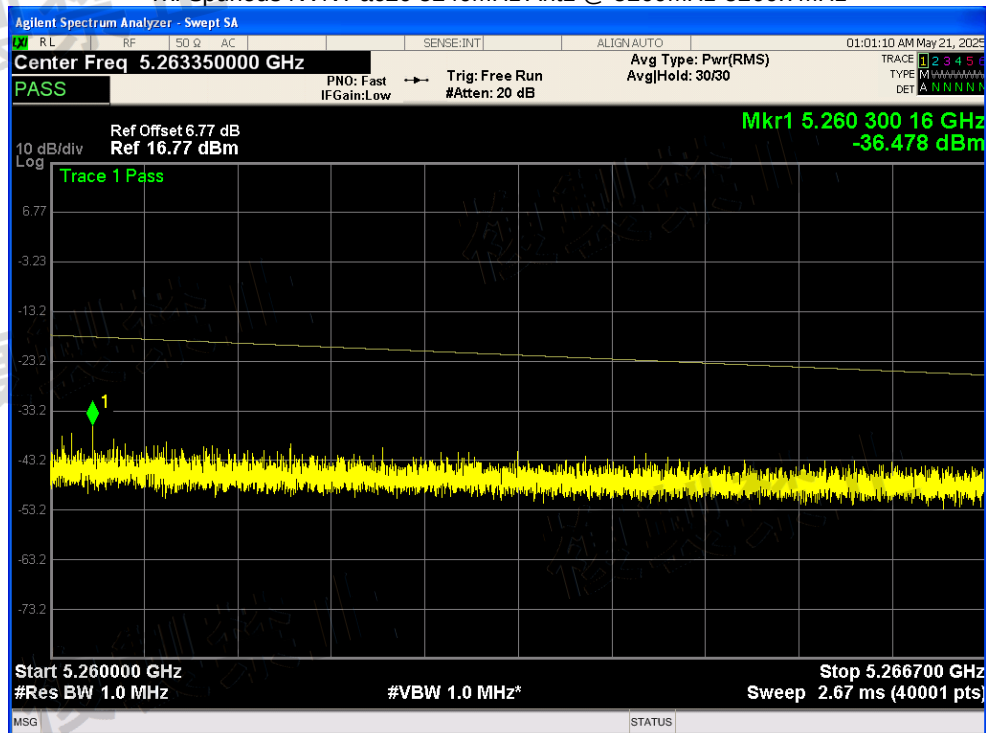
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5250MHz-5251MHz



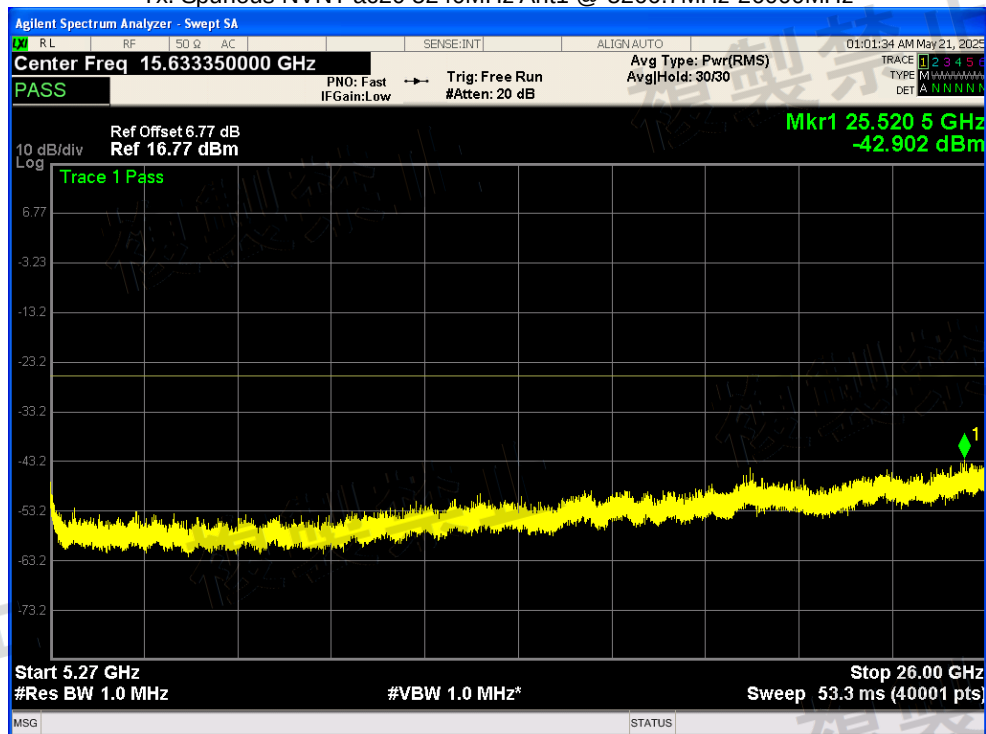
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5251MHz-5260MHz



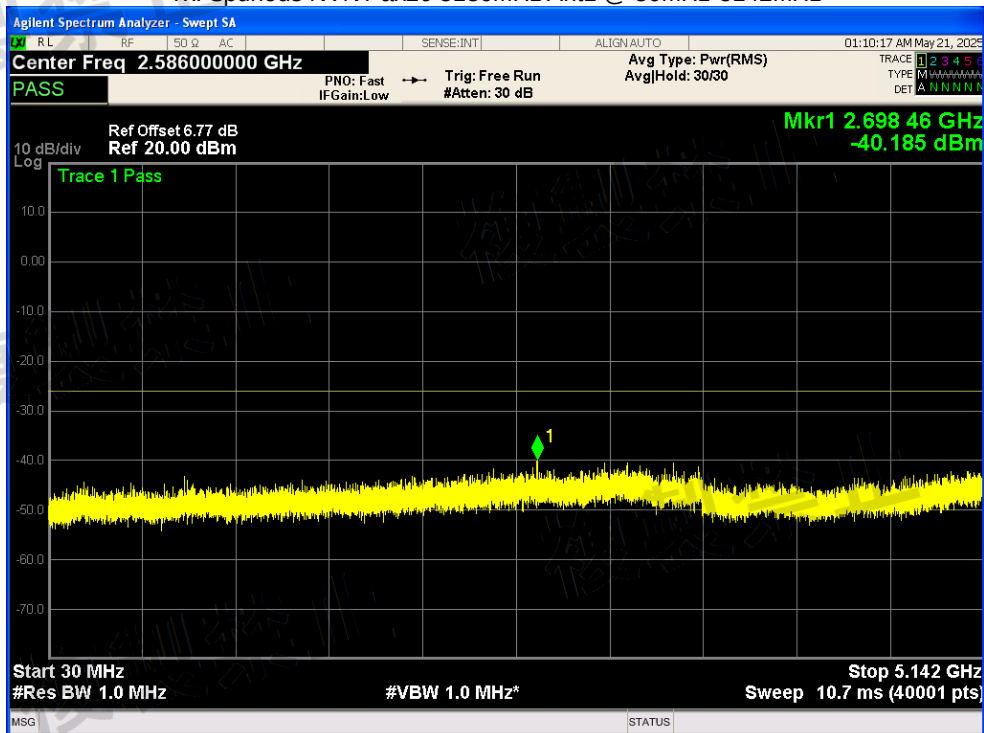
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5260MHz-5266.7MHz



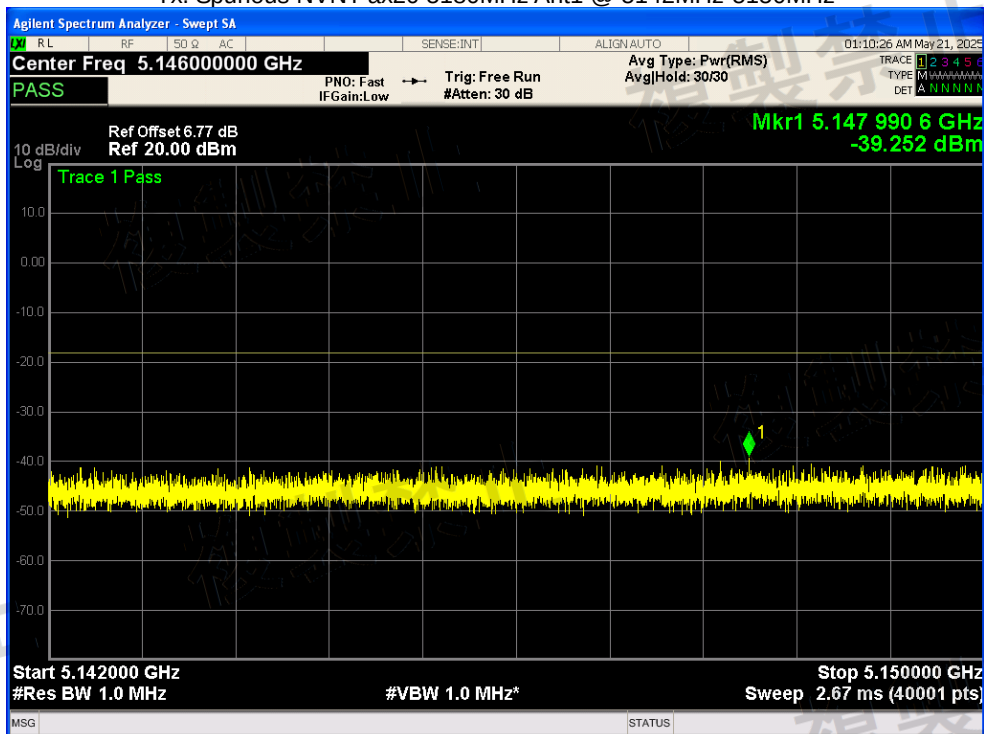
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5266.7MHz-26000MHz



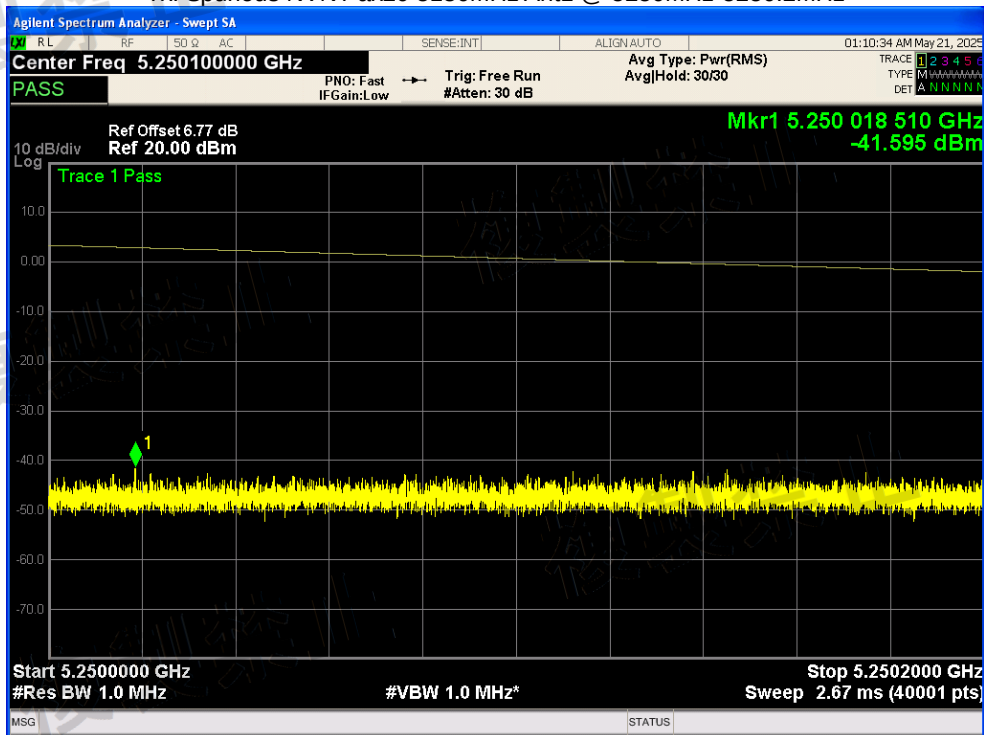
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 30MHz-5142MHz



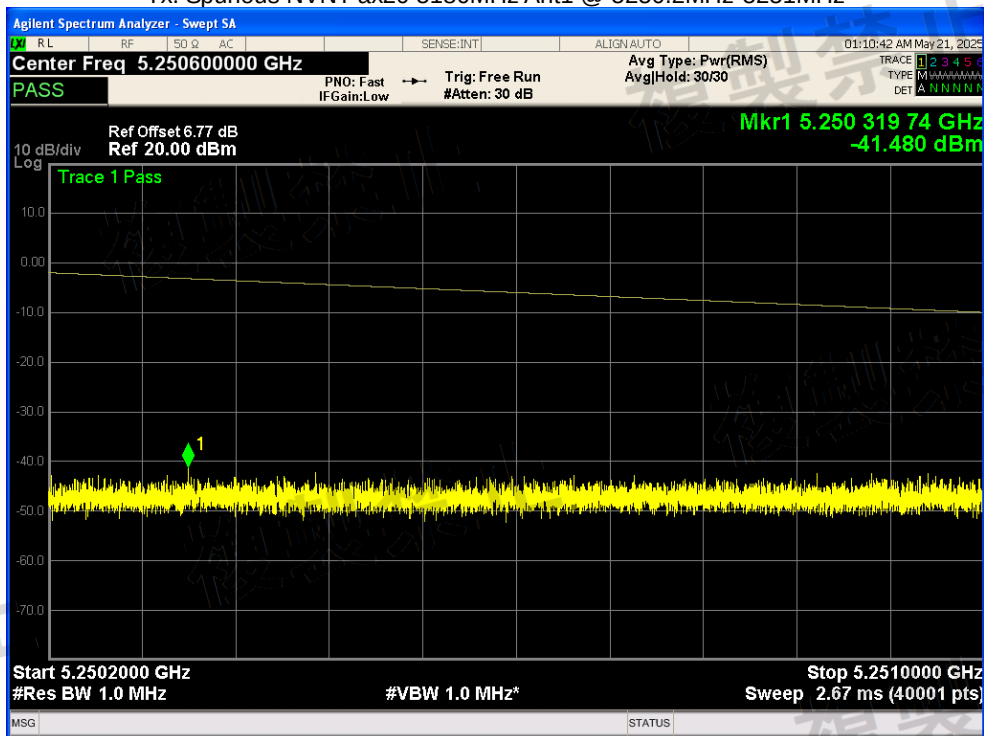
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5142MHz-5150MHz



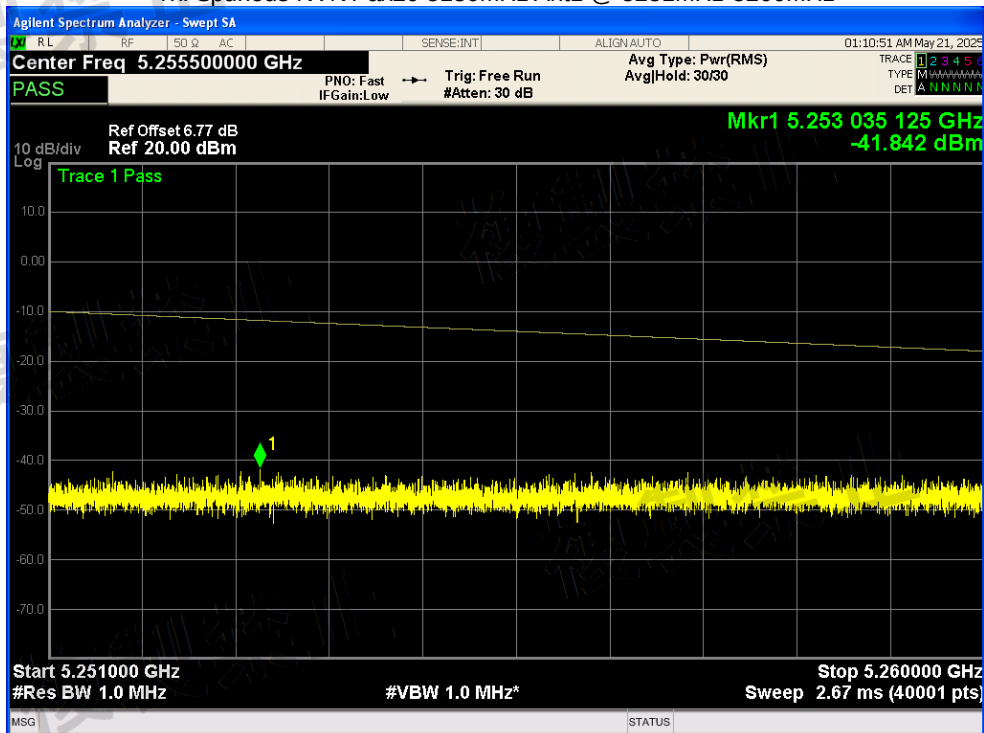
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5250MHz-5250.2MHz



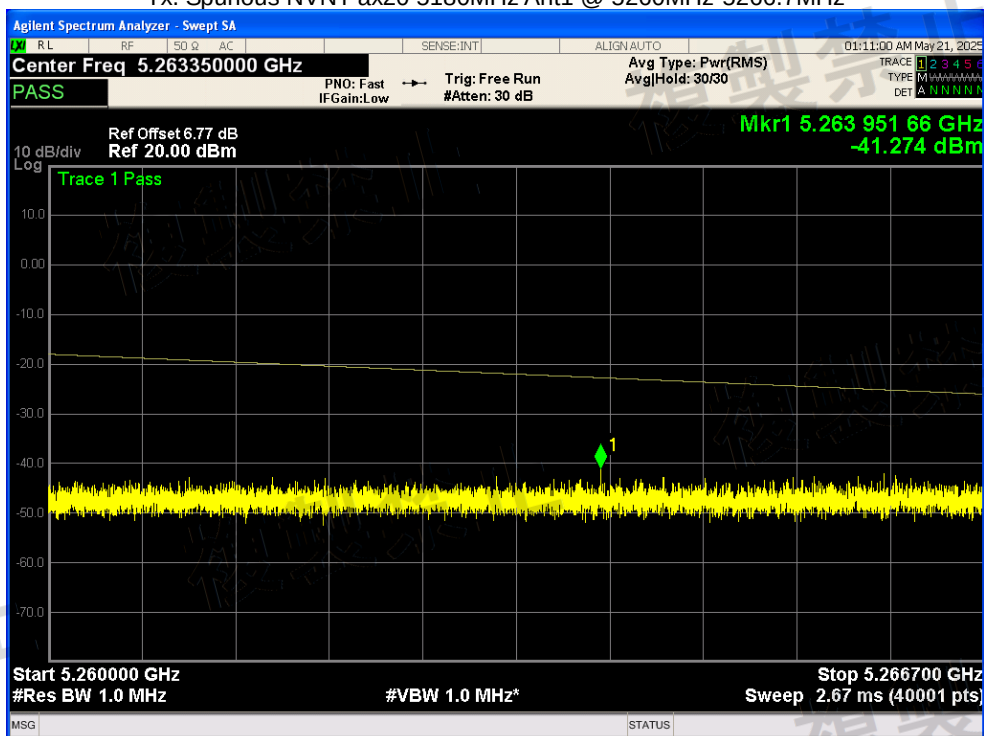
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5250.2MHz-5251MHz



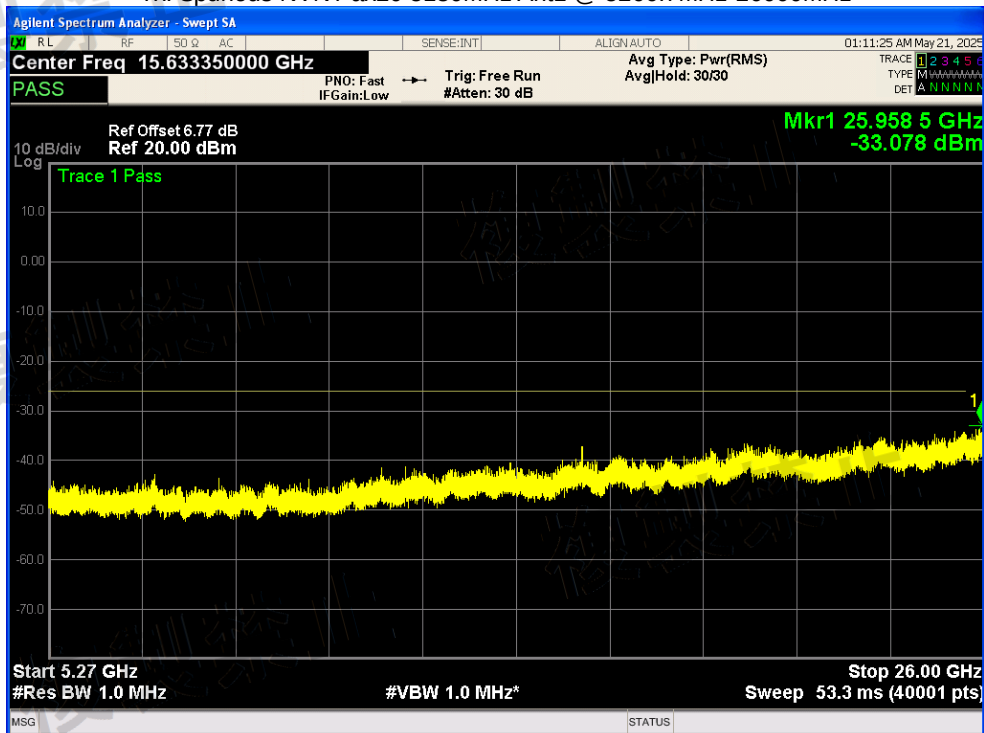
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5251MHz-5260MHz



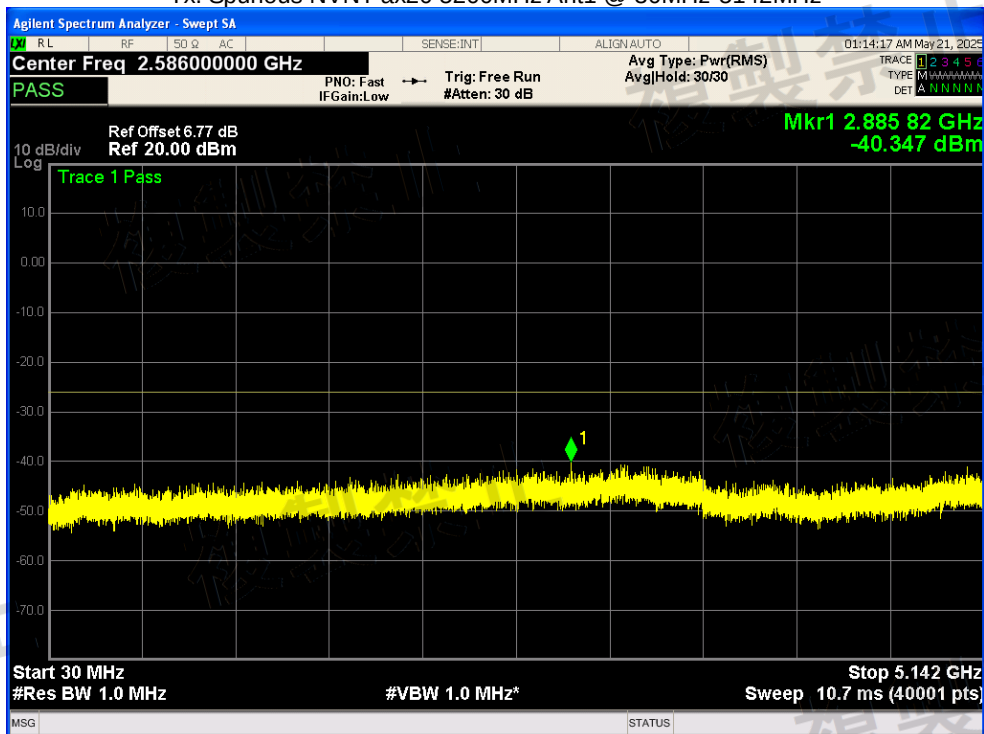
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5260MHz-5266.7MHz



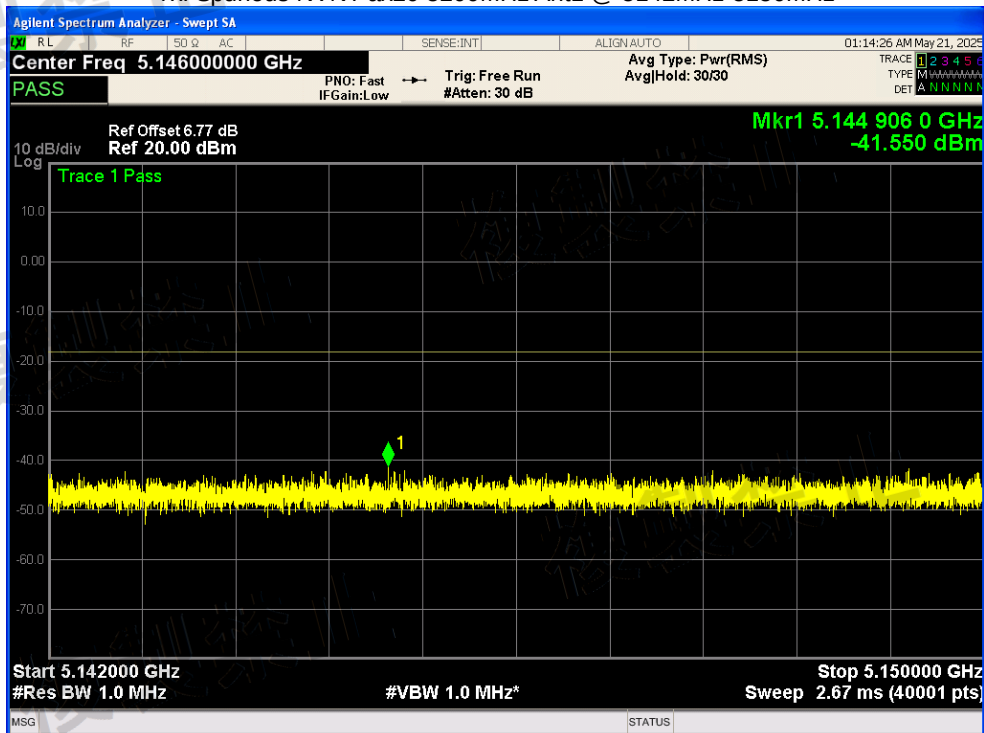
Tx. Spurious NVNT ax20 5180MHz Ant1 @ 5266.7MHz-26000MHz



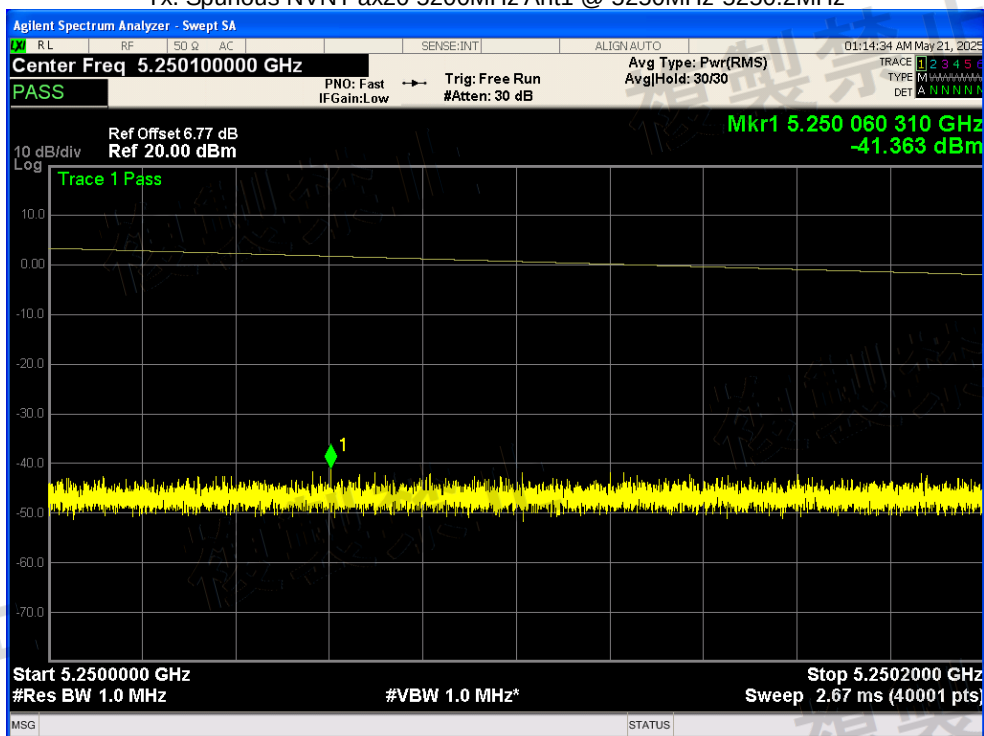
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 30MHz-5142MHz



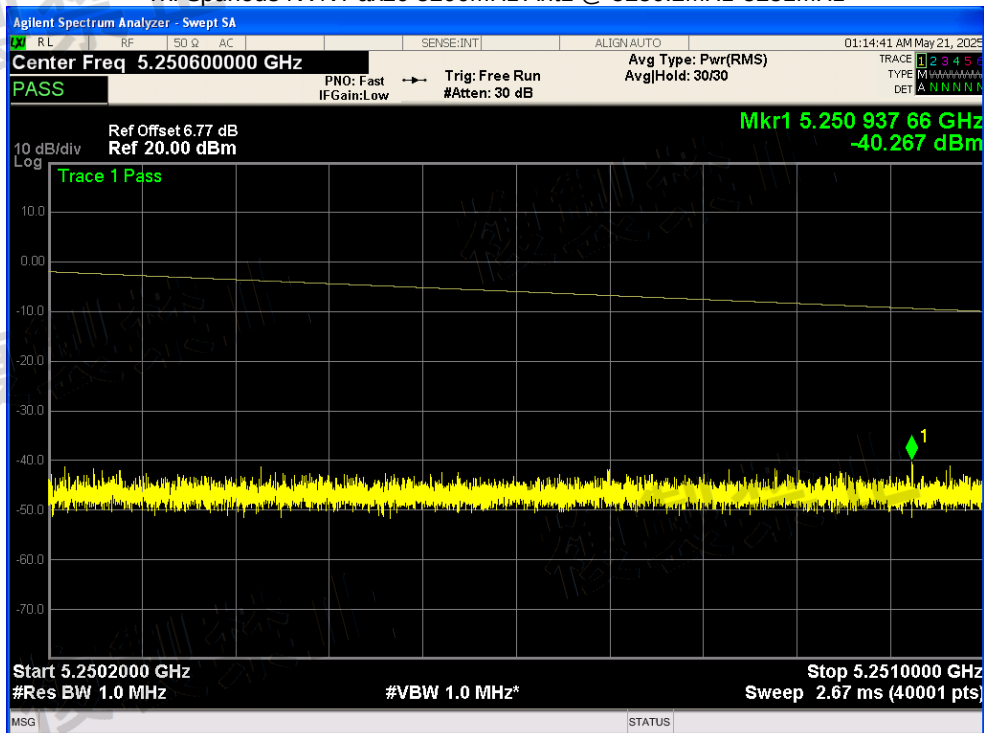
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5142MHz-5150MHz



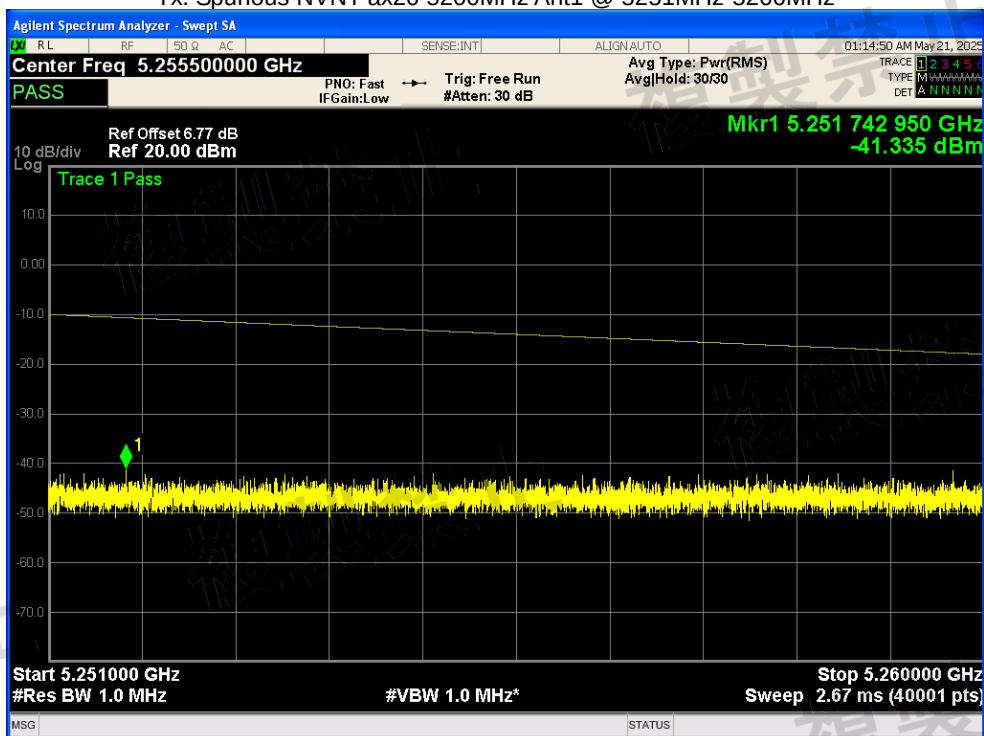
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5250MHz-5250.2MHz



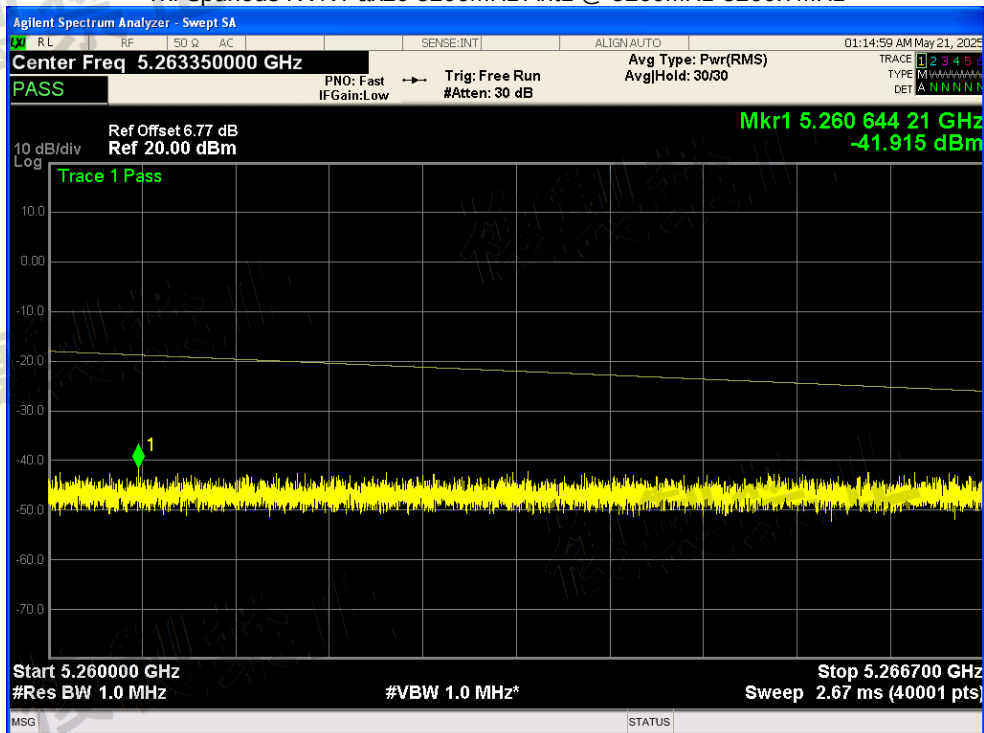
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5250.2MHz-5251MHz



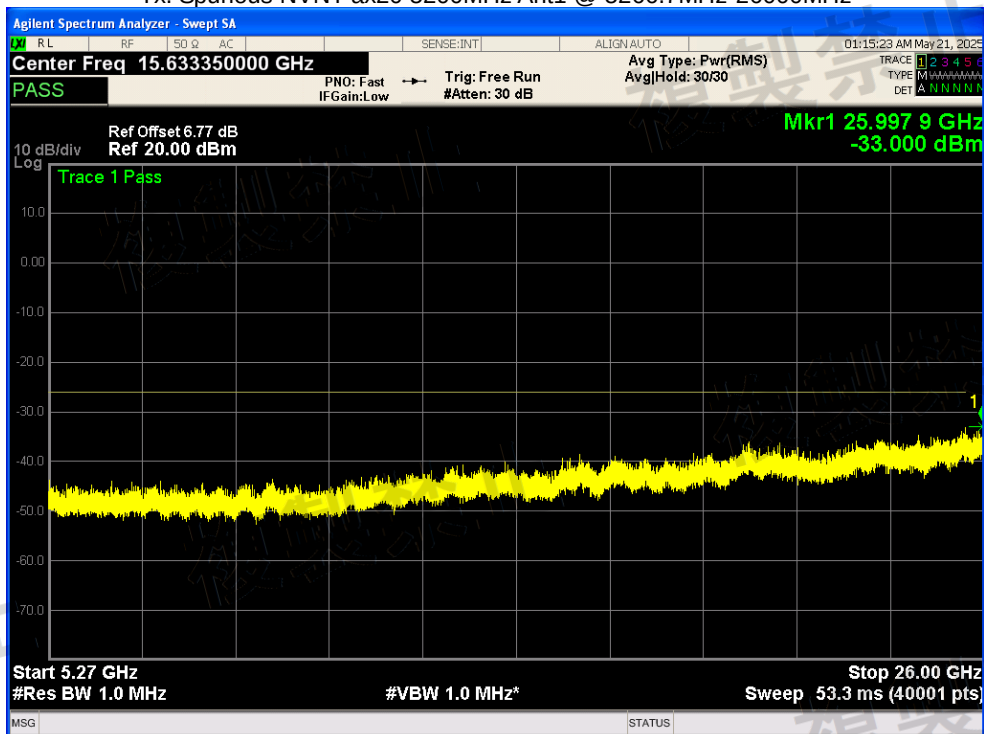
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5251MHz-5260MHz



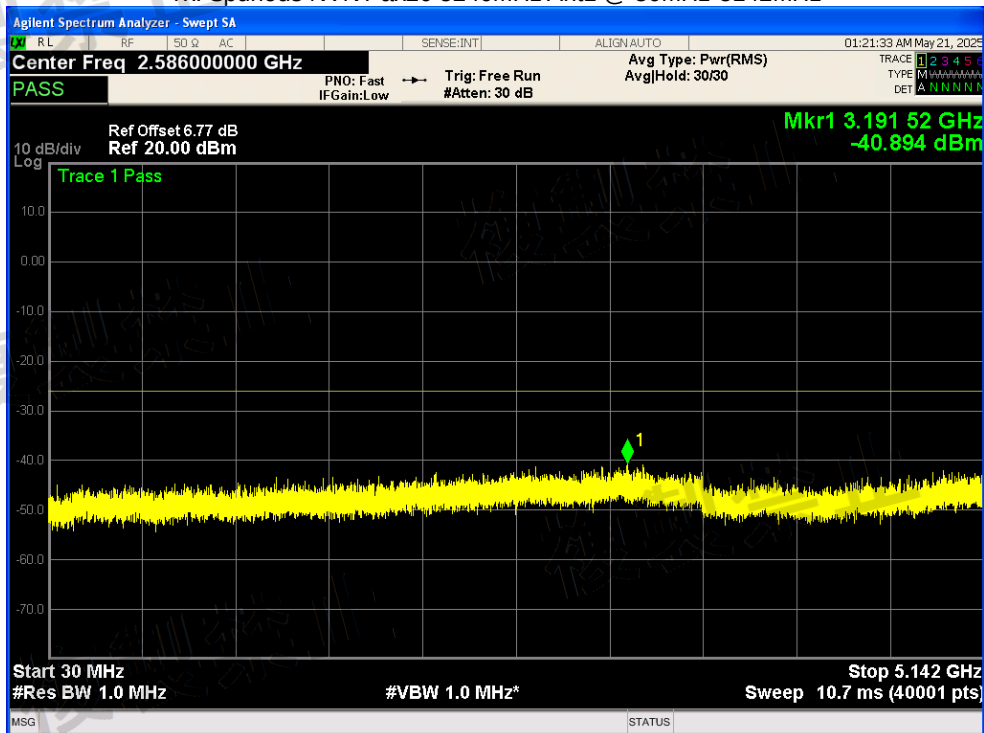
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5260MHz-5266.7MHz



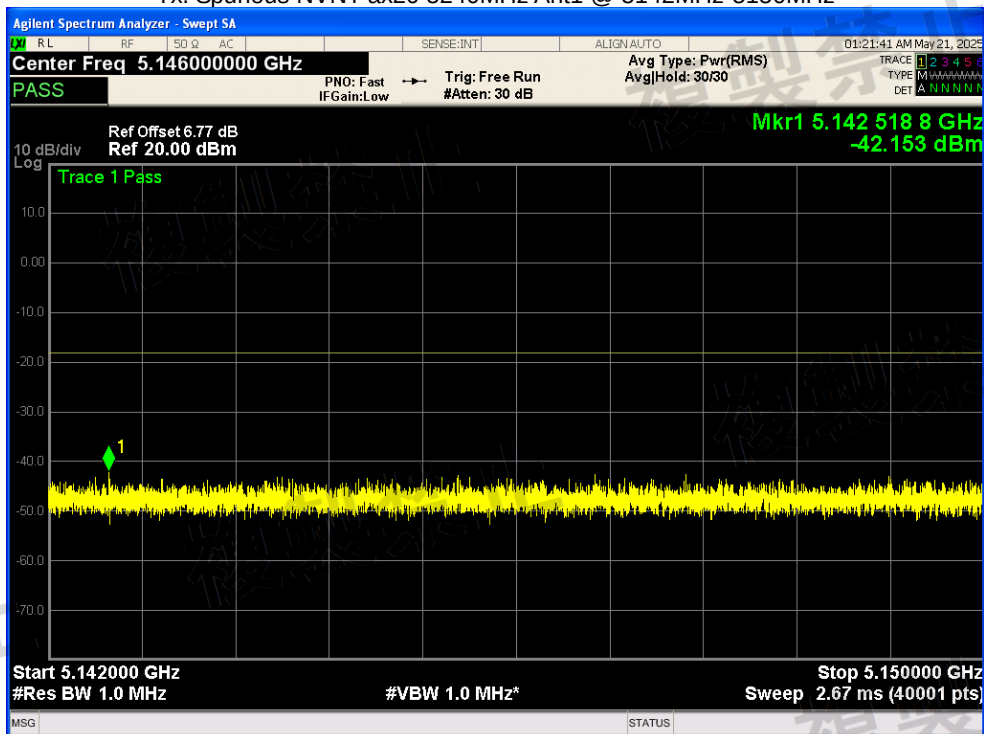
Tx. Spurious NVNT ax20 5200MHz Ant1 @ 5266.7MHz-26000MHz



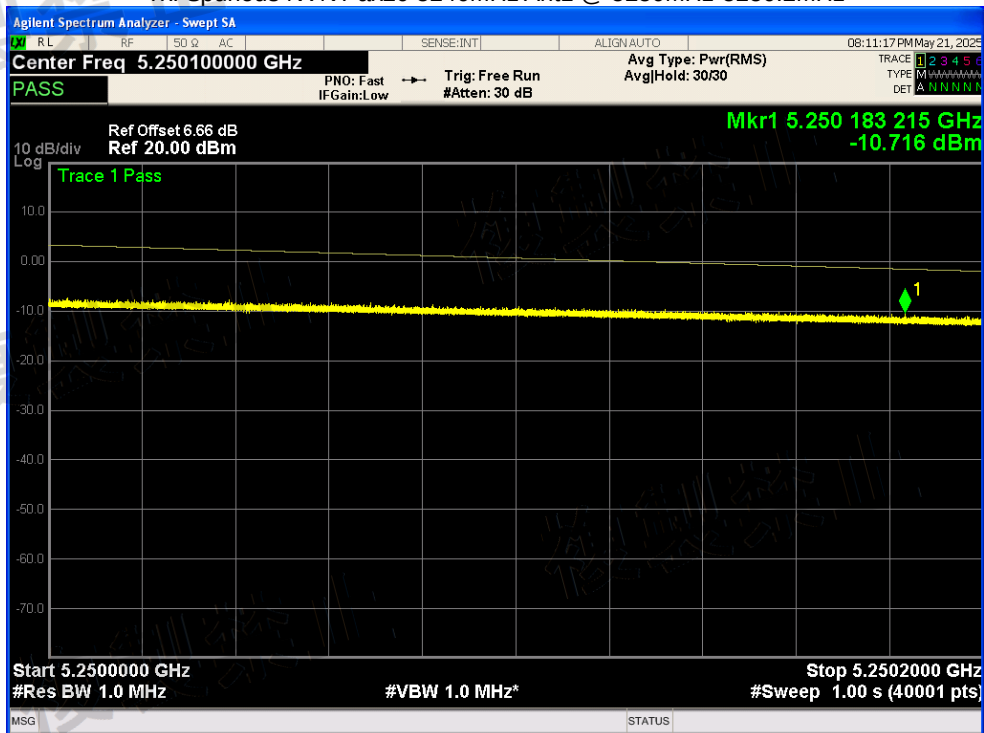
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 30MHz-5142MHz



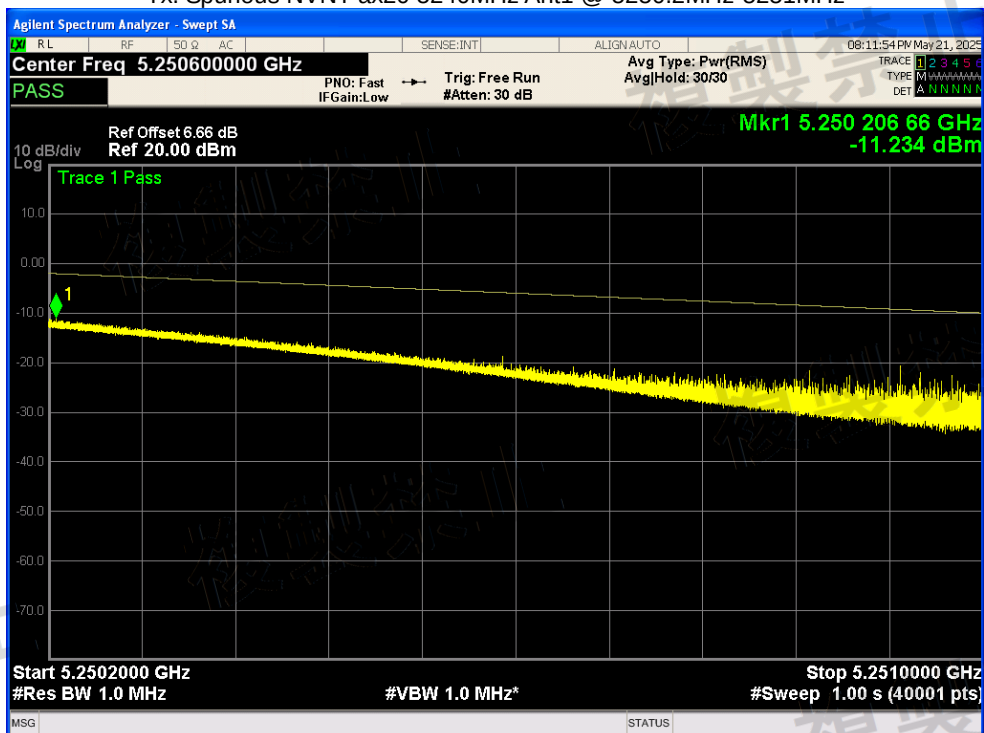
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5142MHz-5150MHz



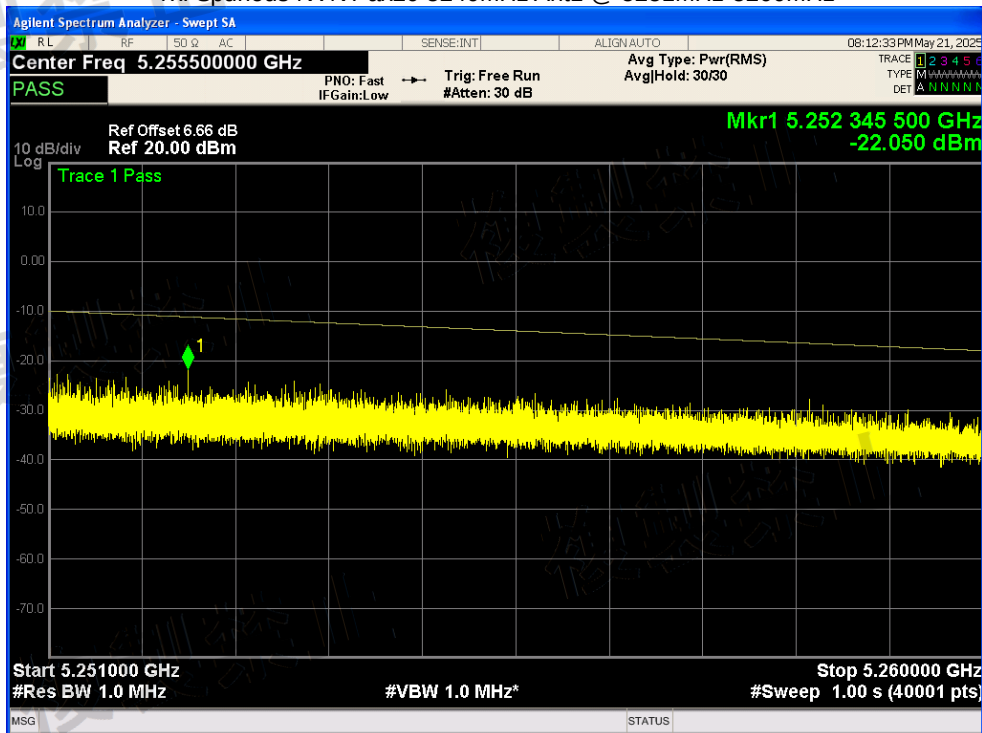
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5250MHz-5250.2MHz



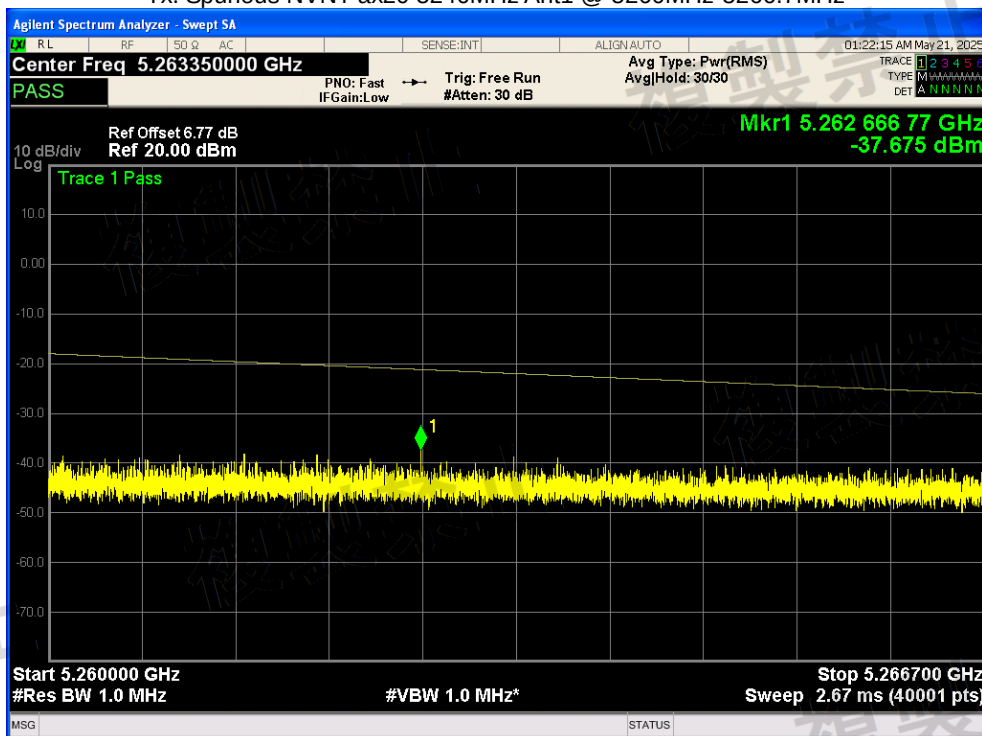
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5250.2MHz-5251MHz



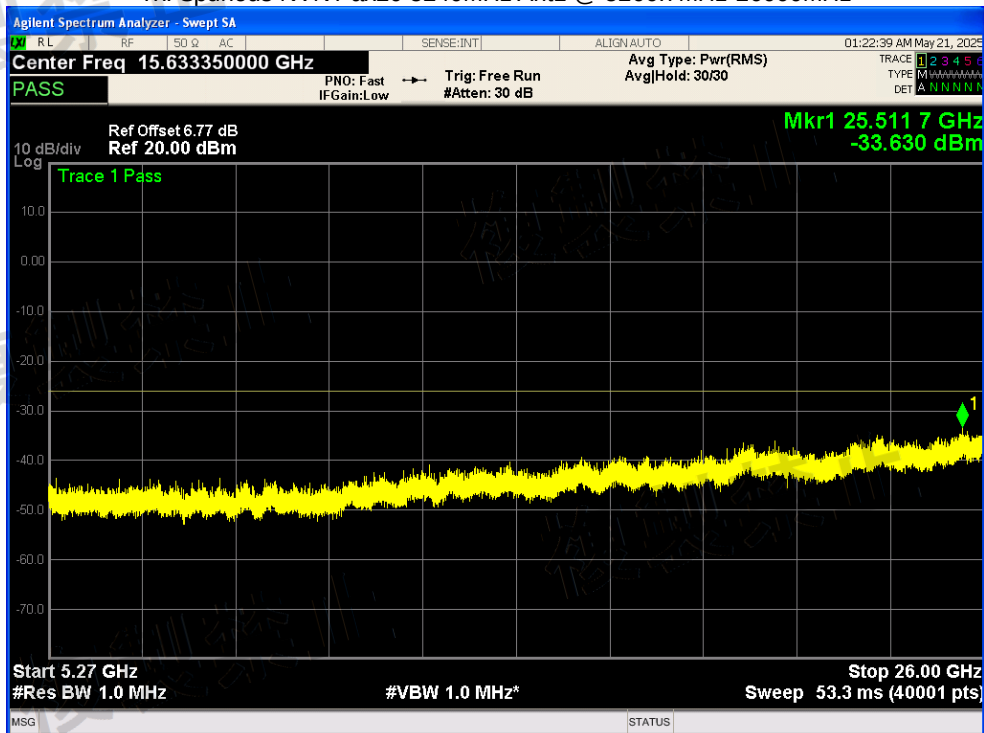
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5251MHz-5260MHz



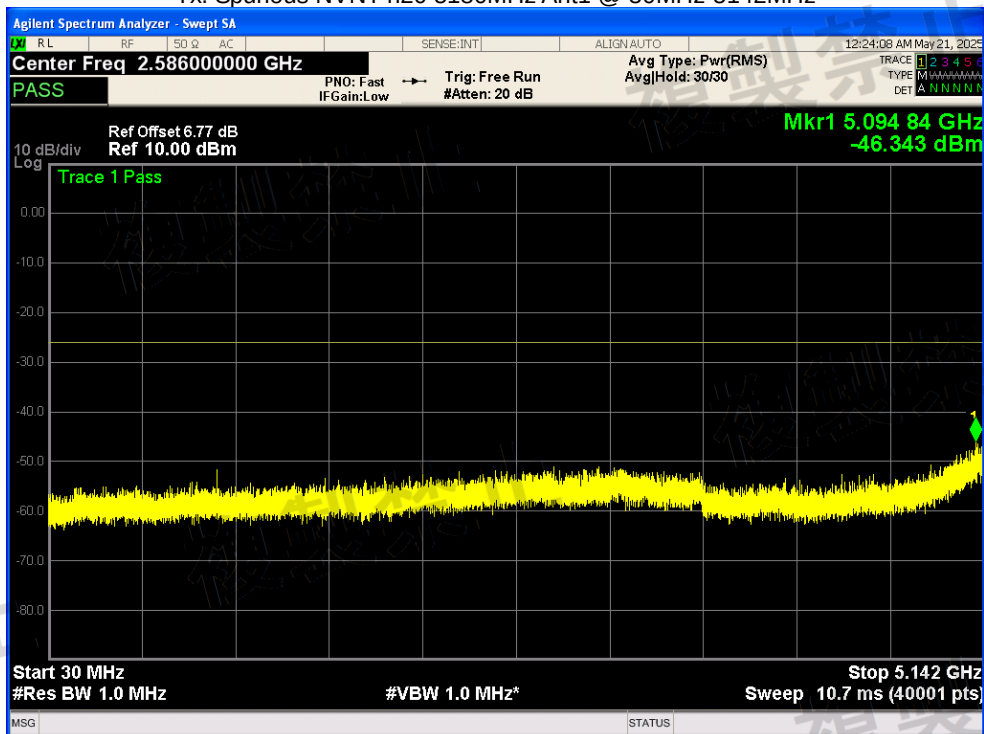
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5260MHz-5266.7MHz



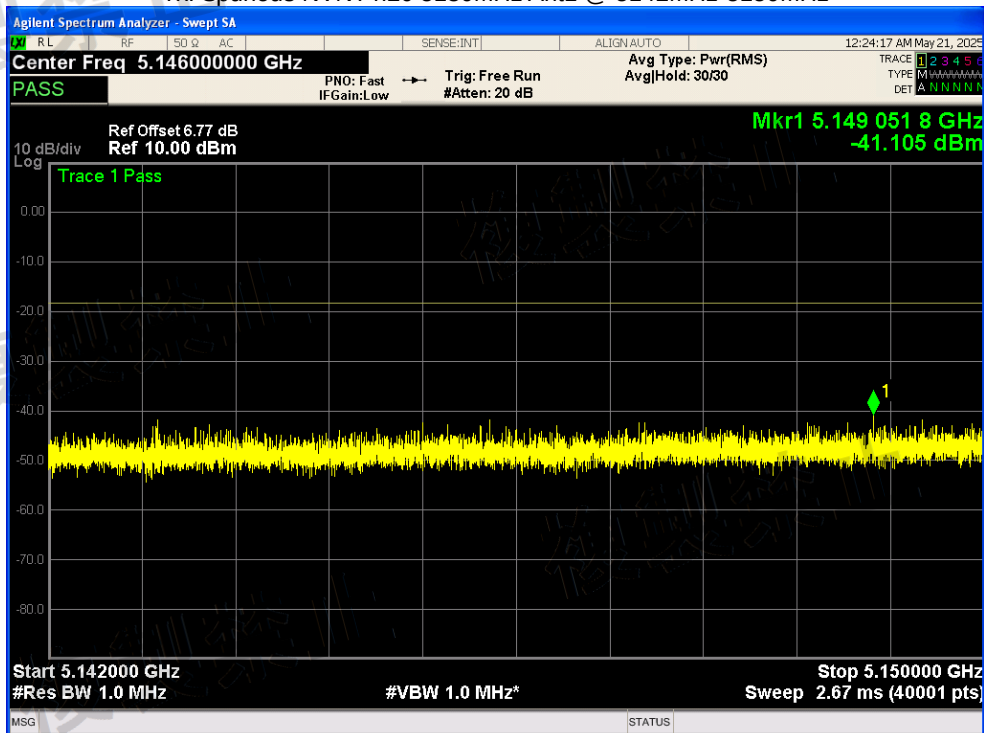
Tx. Spurious NVNT ax20 5240MHz Ant1 @ 5266.7MHz-26000MHz



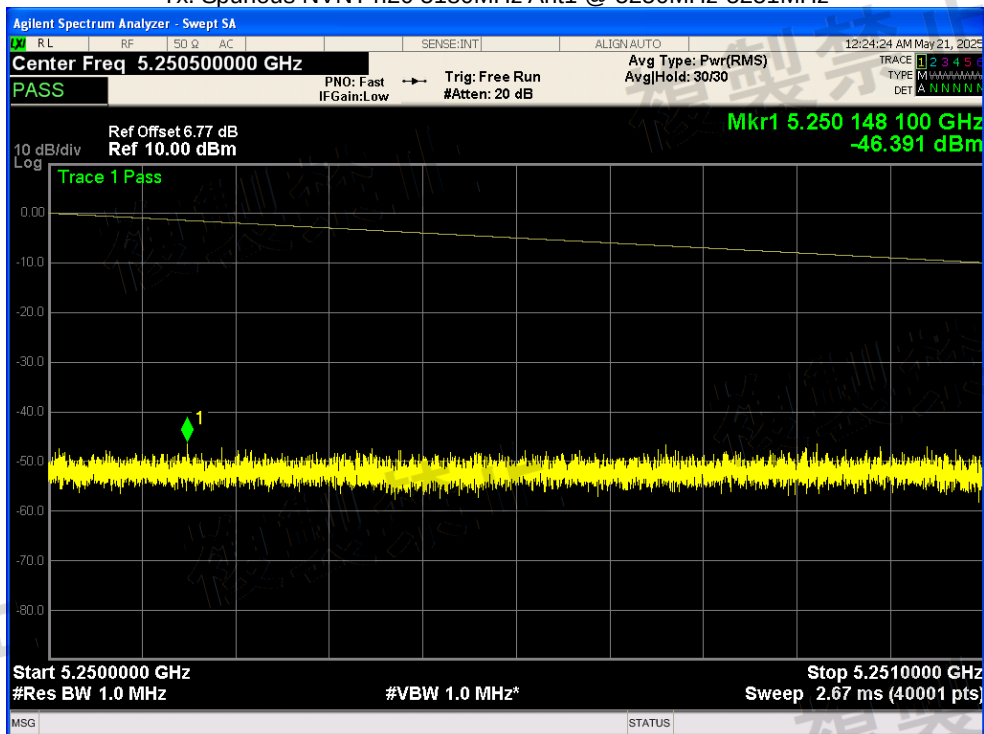
Tx. Spurious NVNT n20 5180MHz Ant1 @ 30MHz-5142MHz



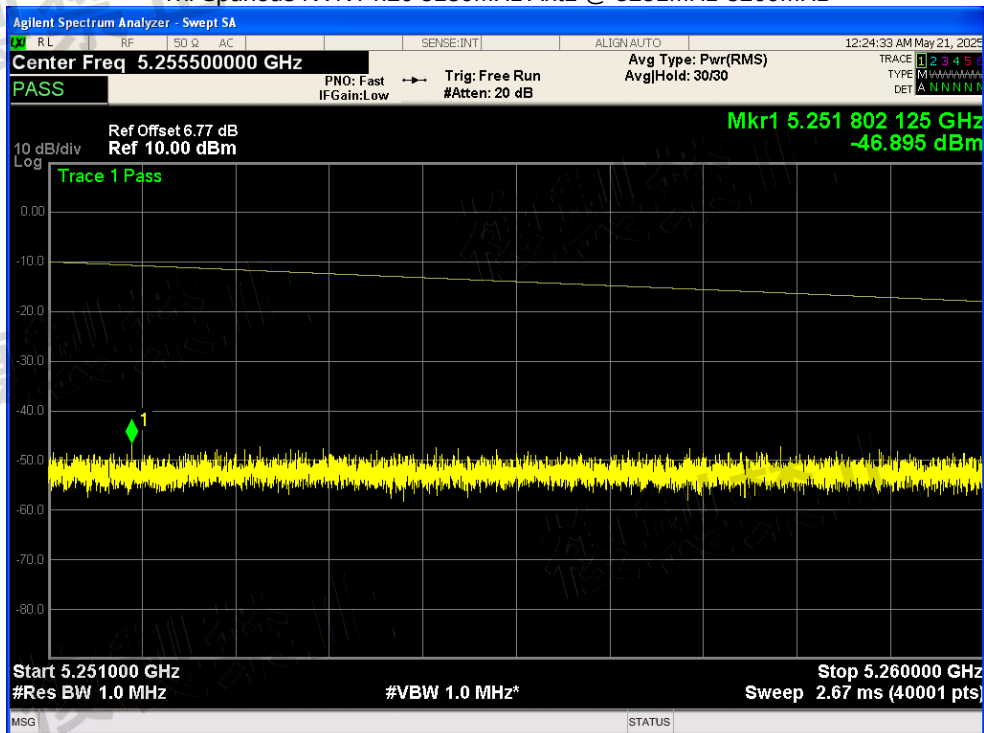
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5142MHz-5150MHz



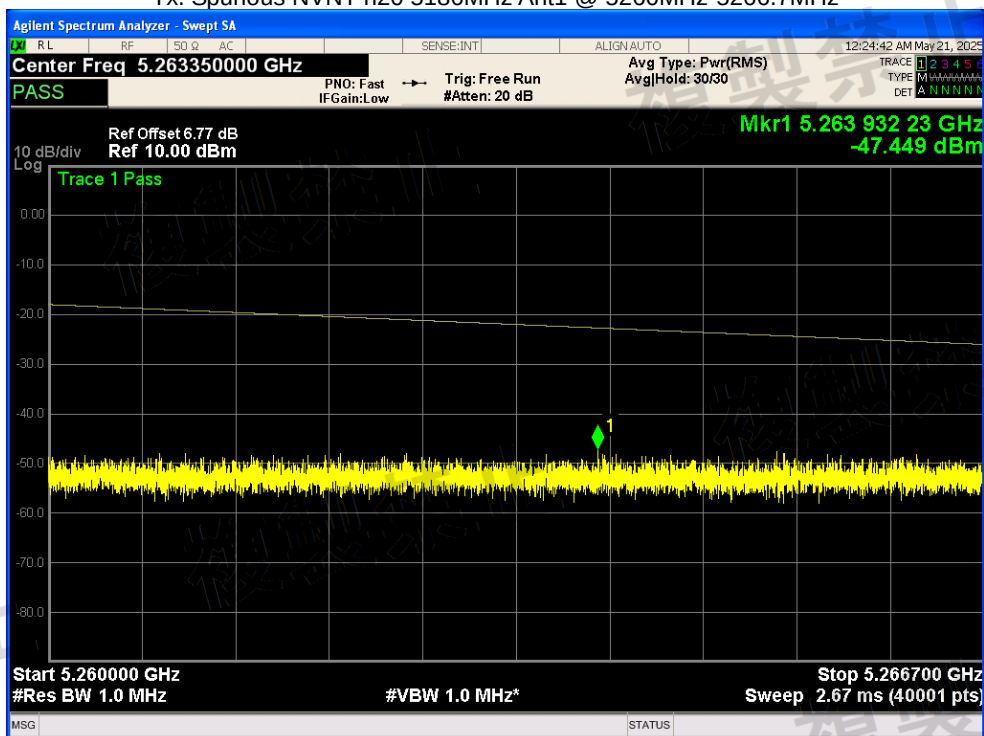
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5250MHz-5251MHz



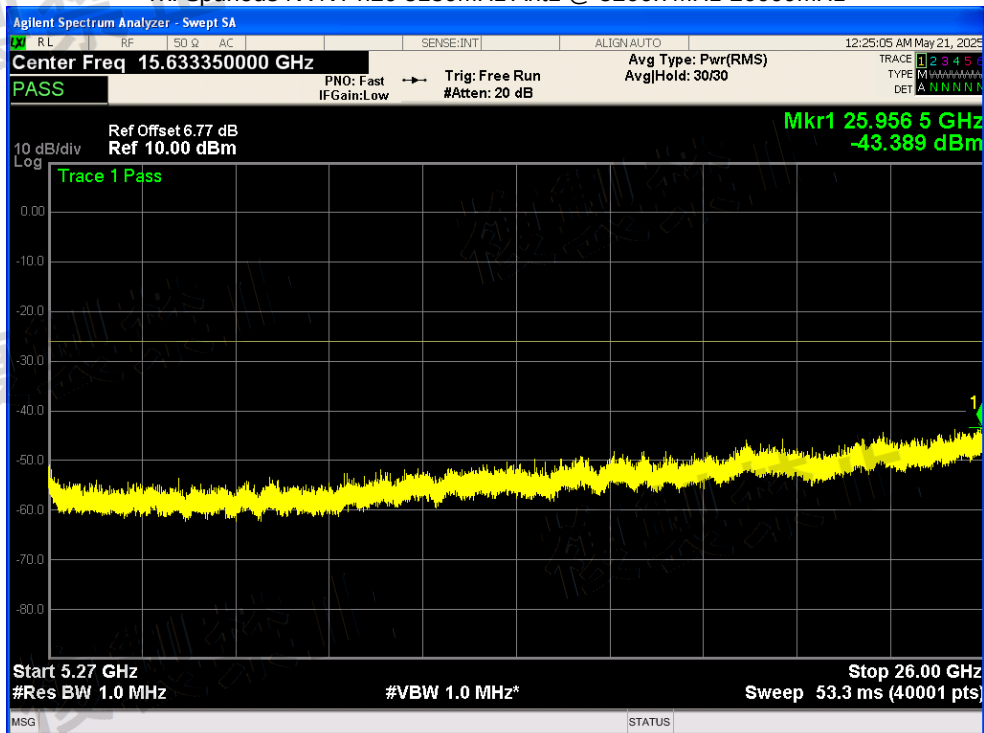
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5251MHz-5260MHz



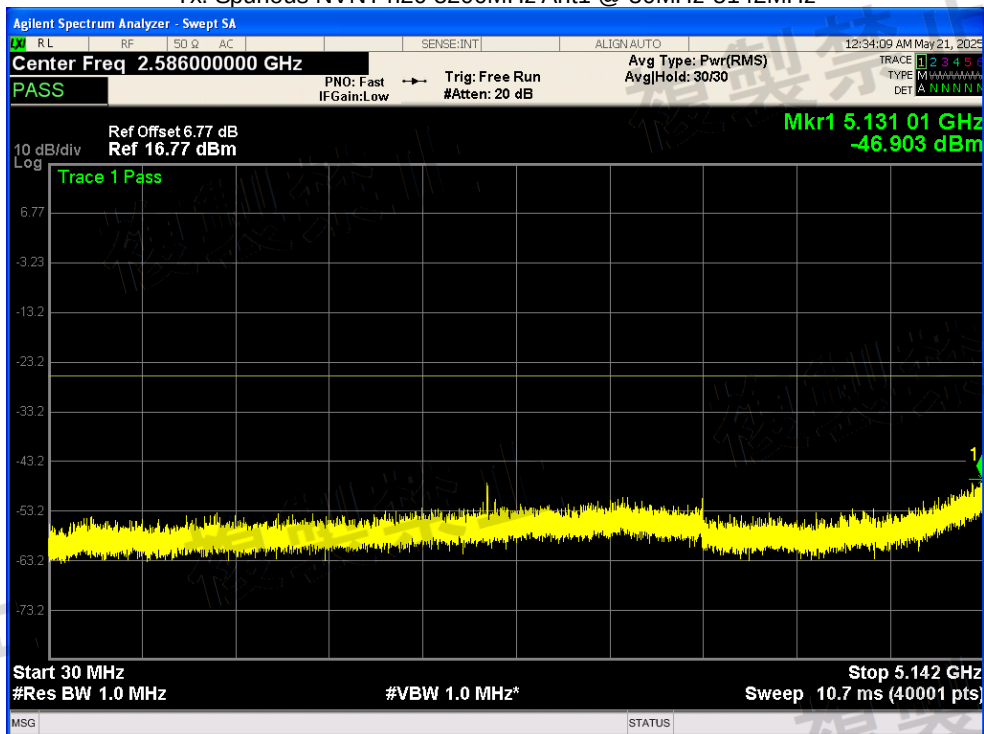
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5260MHz-5266.7MHz



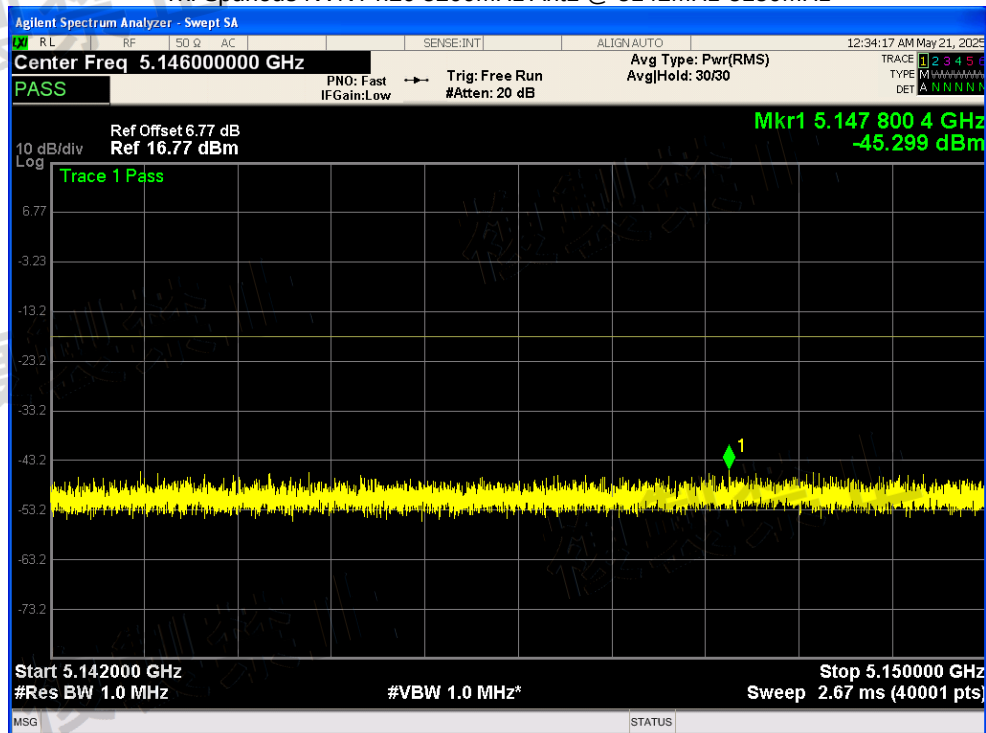
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5266.7MHz-26000MHz



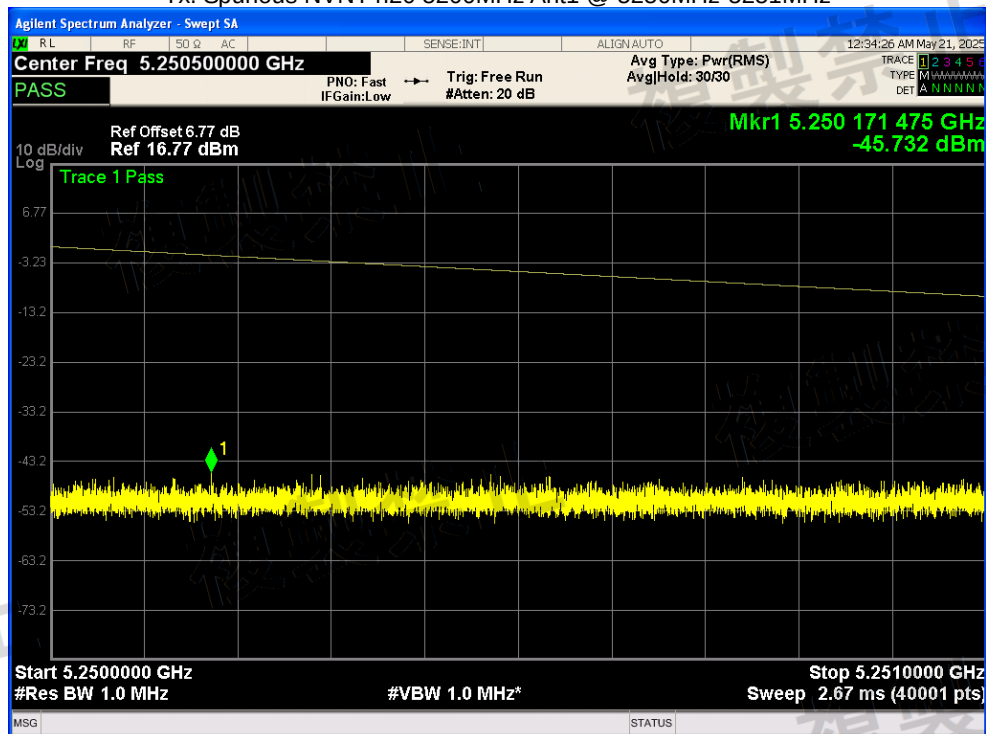
Tx. Spurious NVNT n20 5200MHz Ant1 @ 30MHz-5142MHz



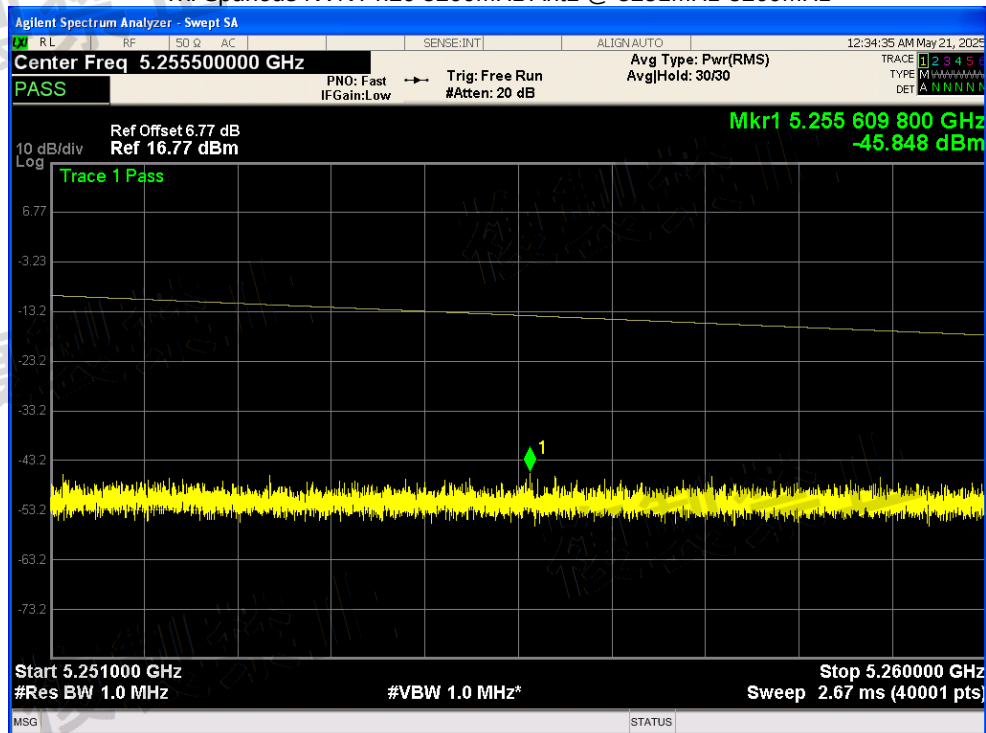
Tx. Spurious NVNT n20 5200MHz Ant1 @ 5142MHz-5150MHz



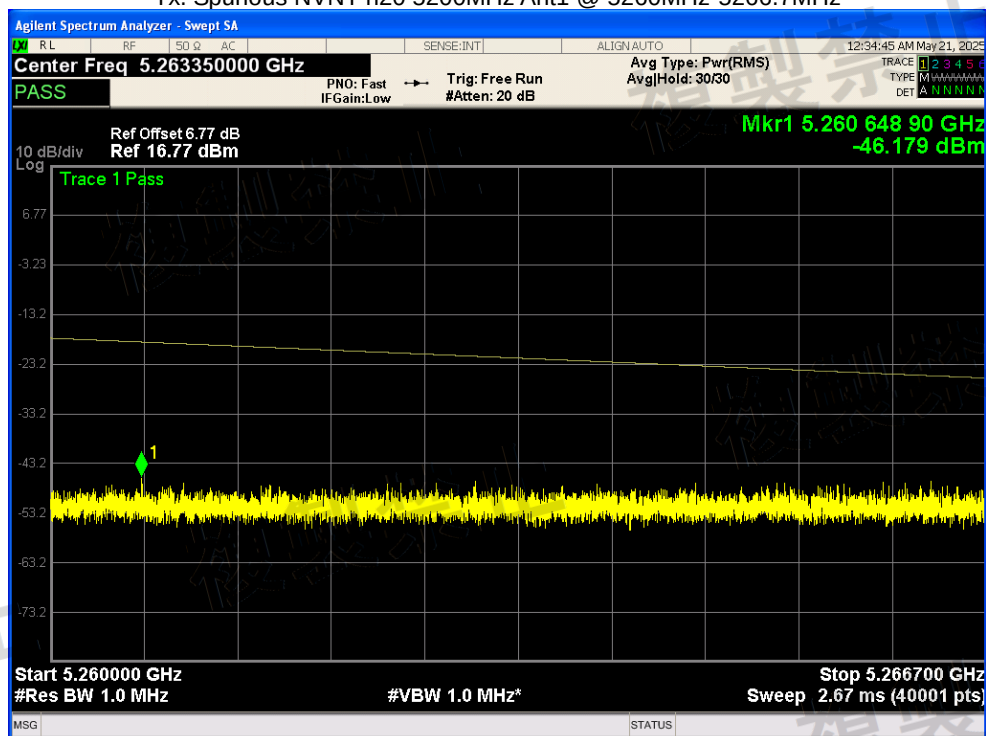
Tx. Spurious NVNT n20 5200MHz Ant1 @ 5250MHz-5251MHz



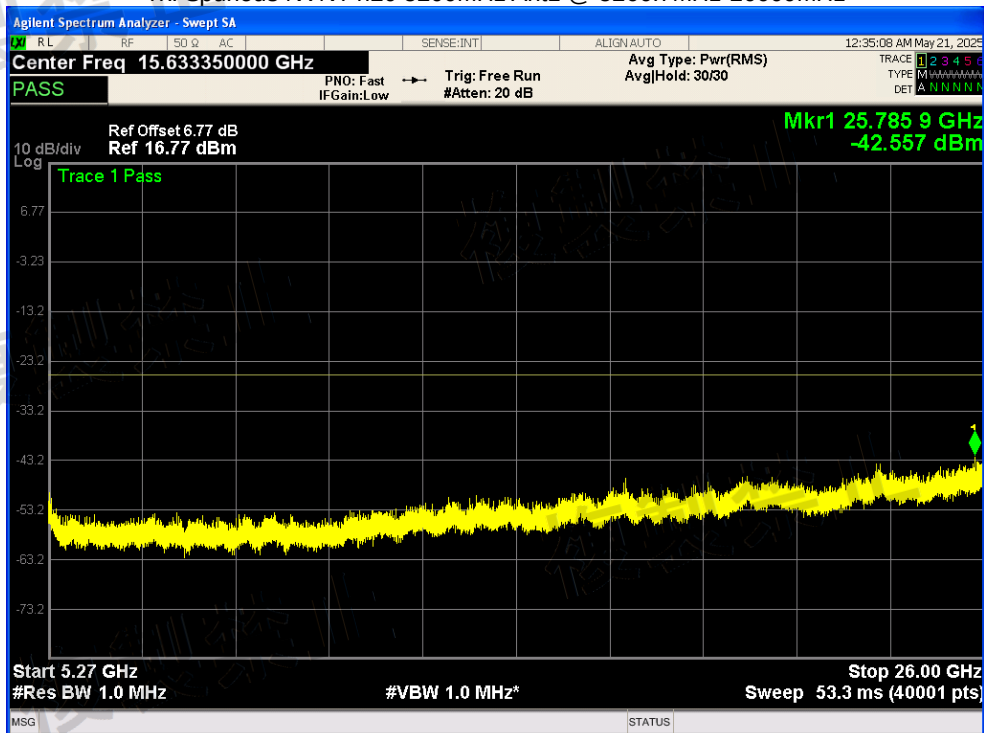
Tx. Spurious NVNT n20 5200MHz Ant1 @ 5251MHz-5260MHz



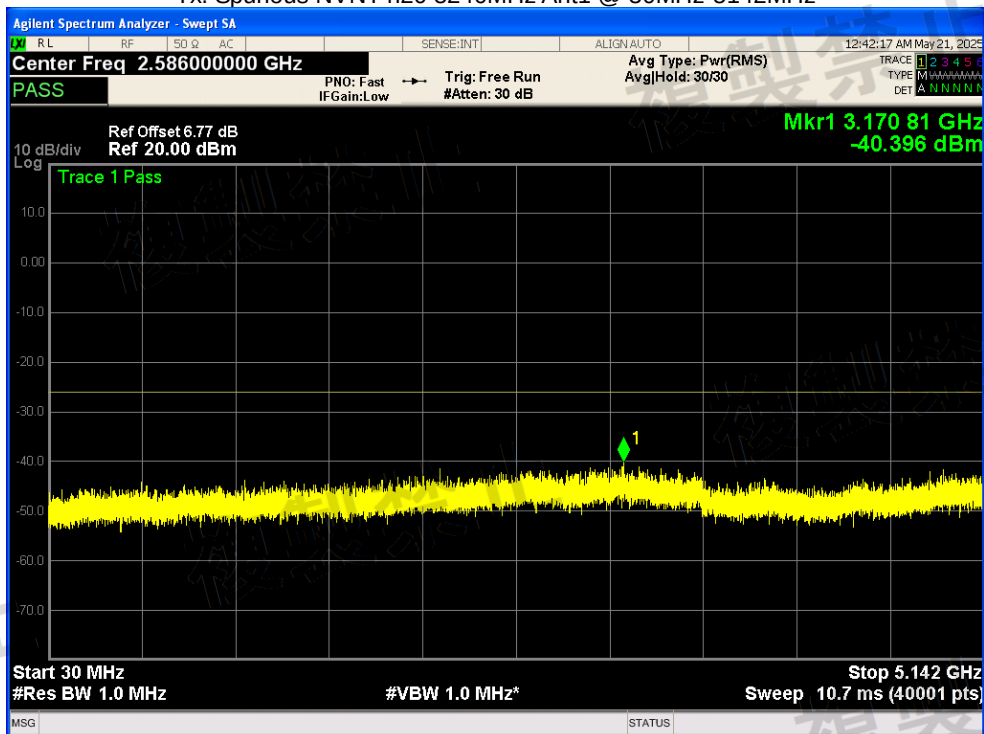
Tx. Spurious NVNT n20 5200MHz Ant1 @ 5260MHz-5266.7MHz



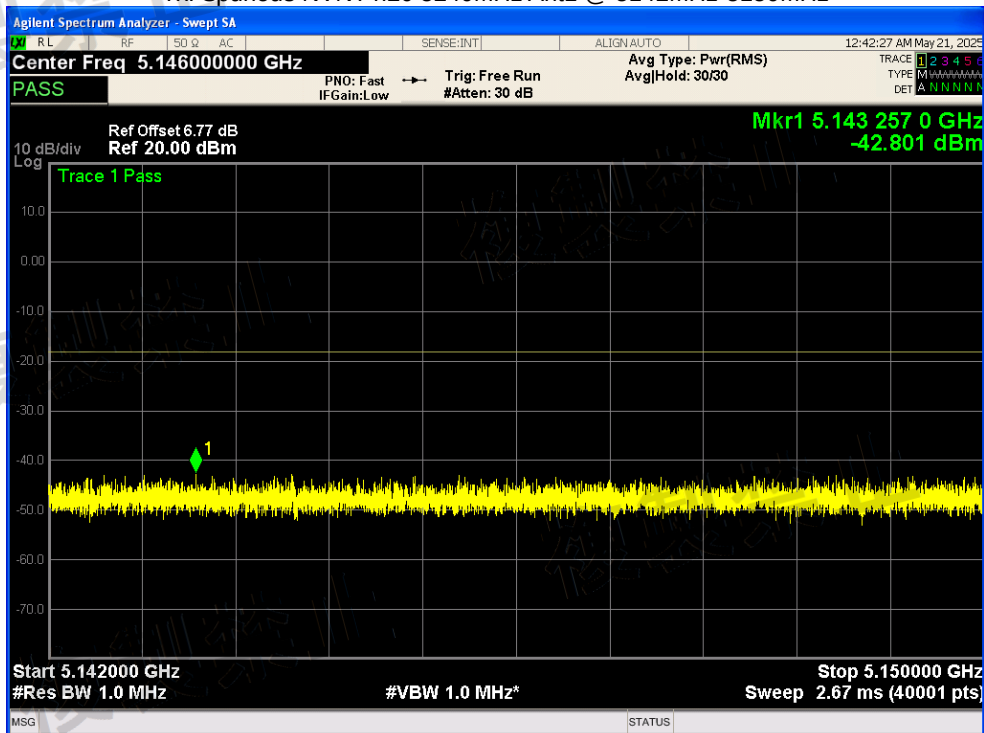
Tx. Spurious NVNT n20 5200MHz Ant1 @ 5266.7MHz-26000MHz



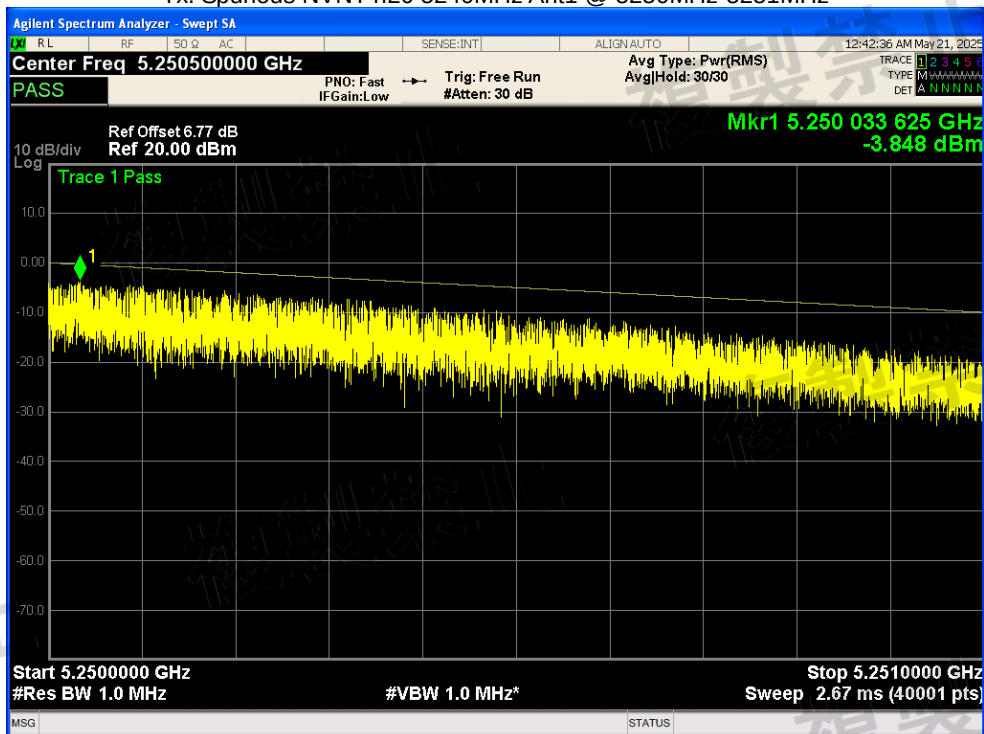
Tx. Spurious NVNT n20 5240MHz Ant1 @ 30MHz-5142MHz



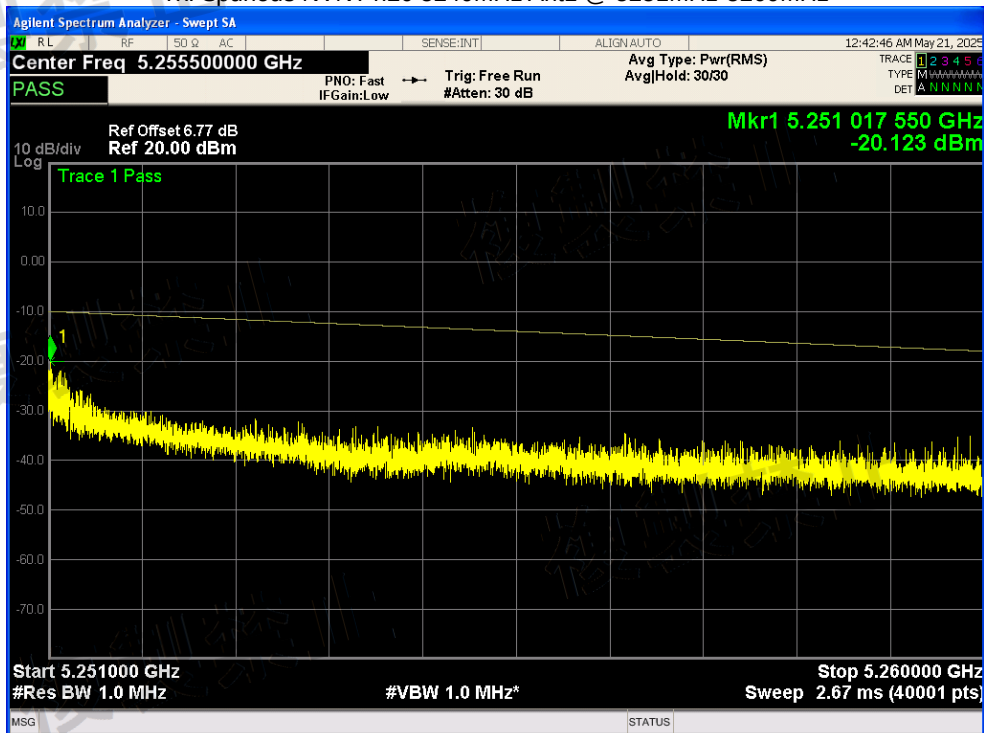
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5142MHz-5150MHz



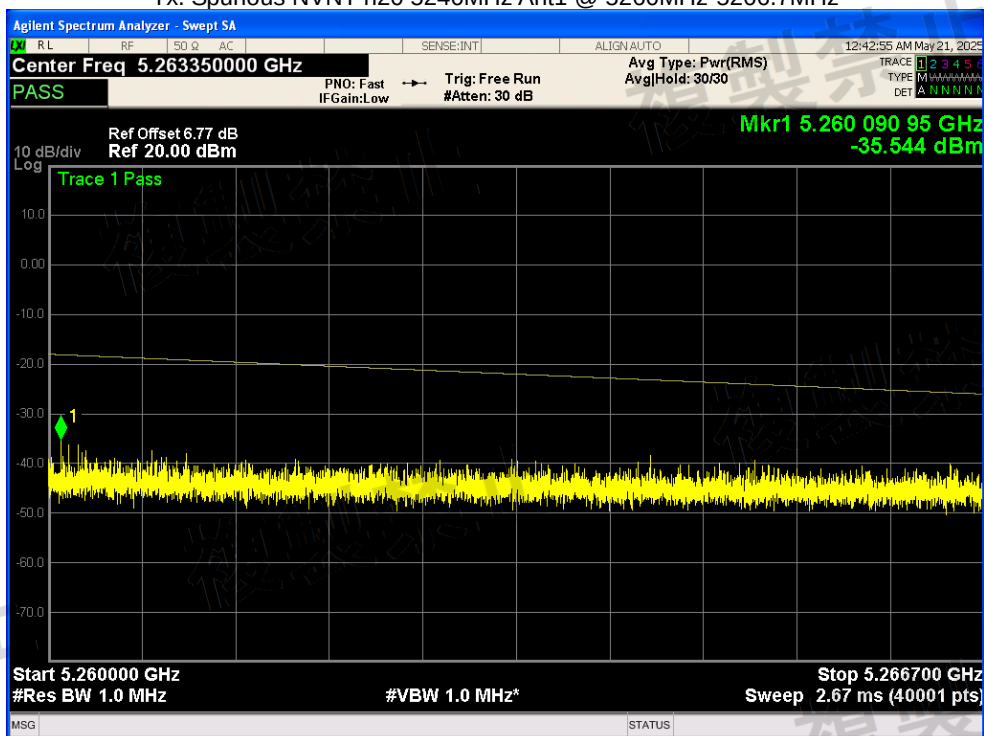
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5250MHz-5251MHz



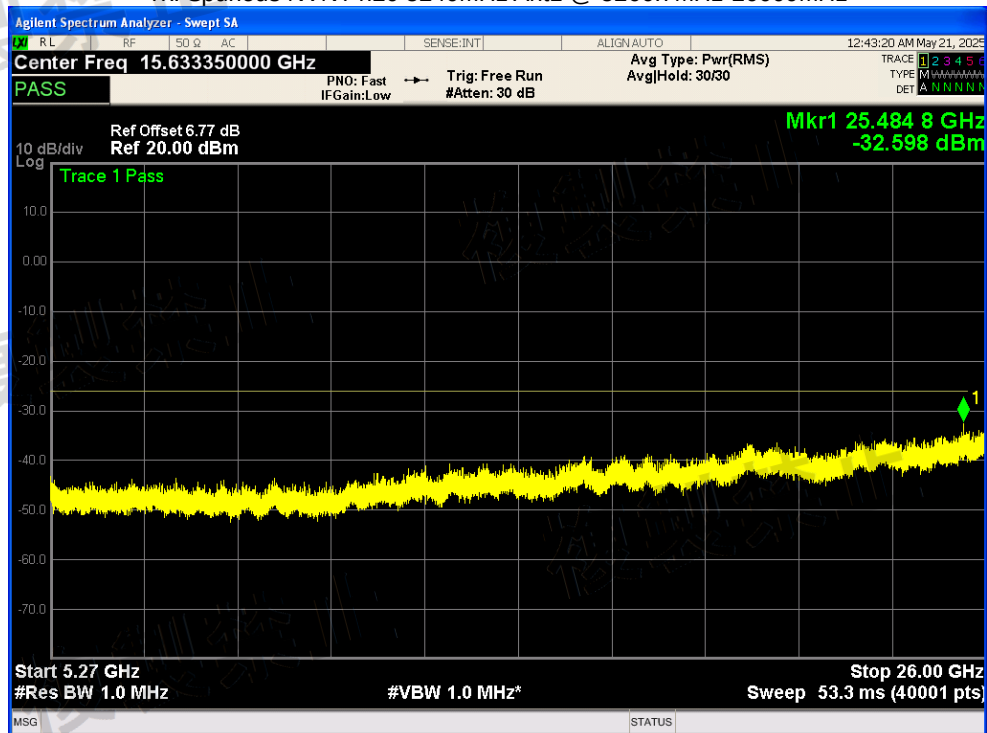
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5251MHz-5260MHz



Tx. Spurious NVNT n20 5240MHz Ant1 @ 5260MHz-5266.7MHz

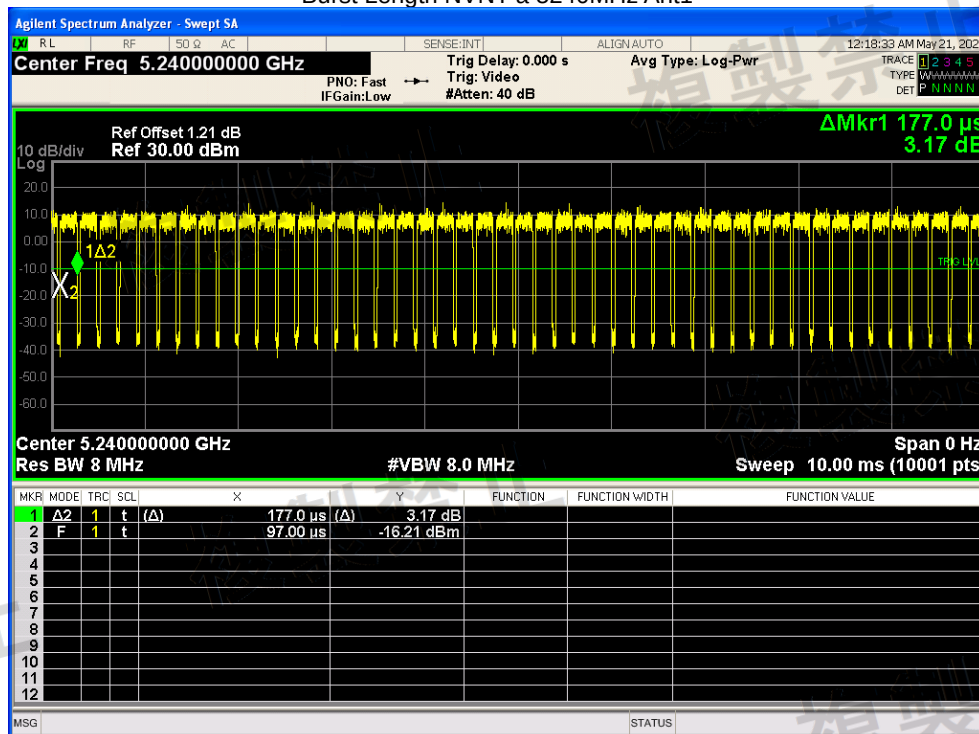


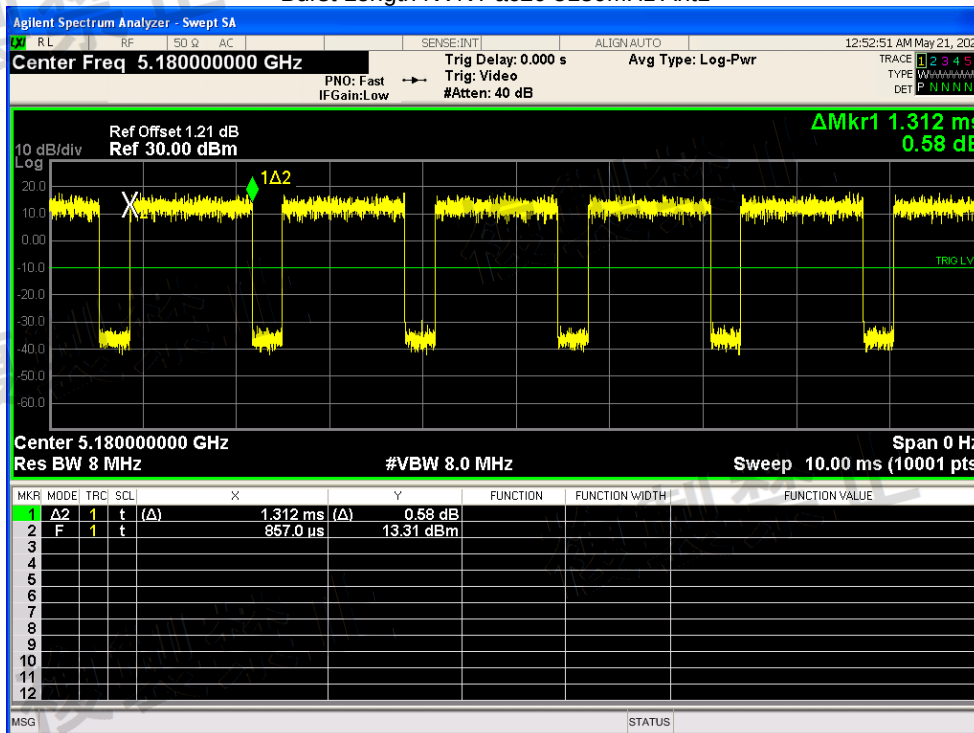
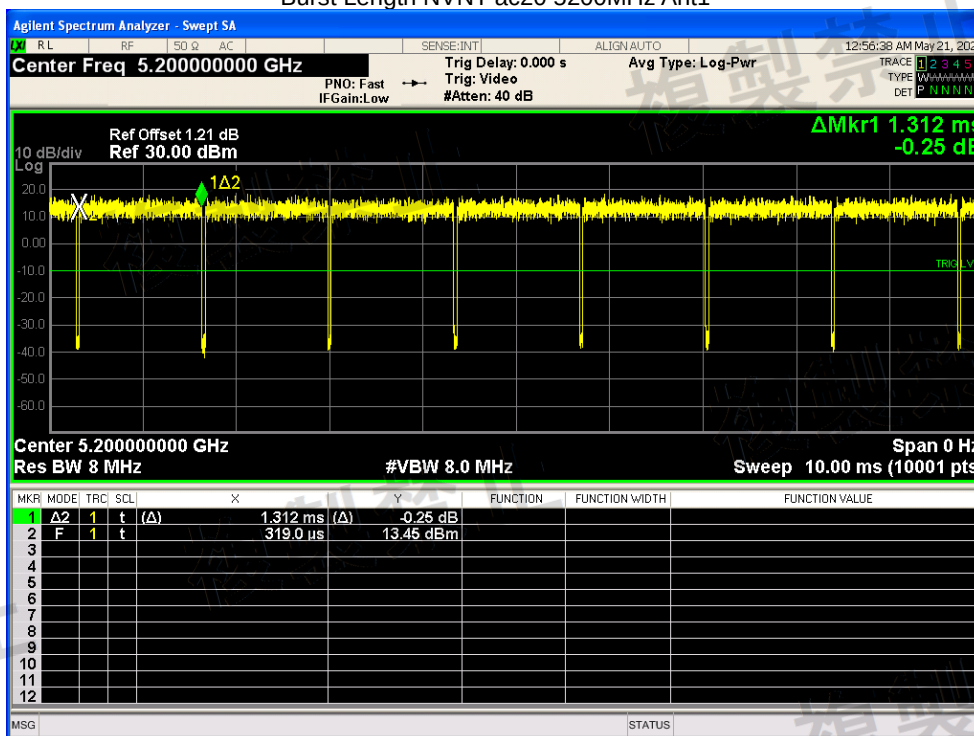
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5266.7MHz-26000MHz

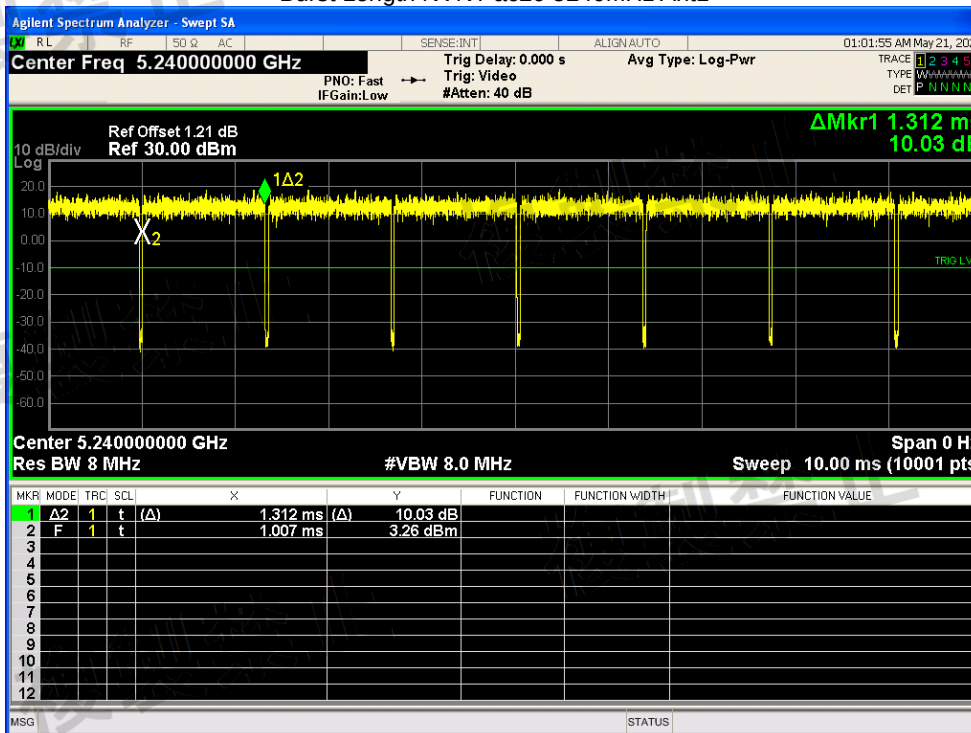
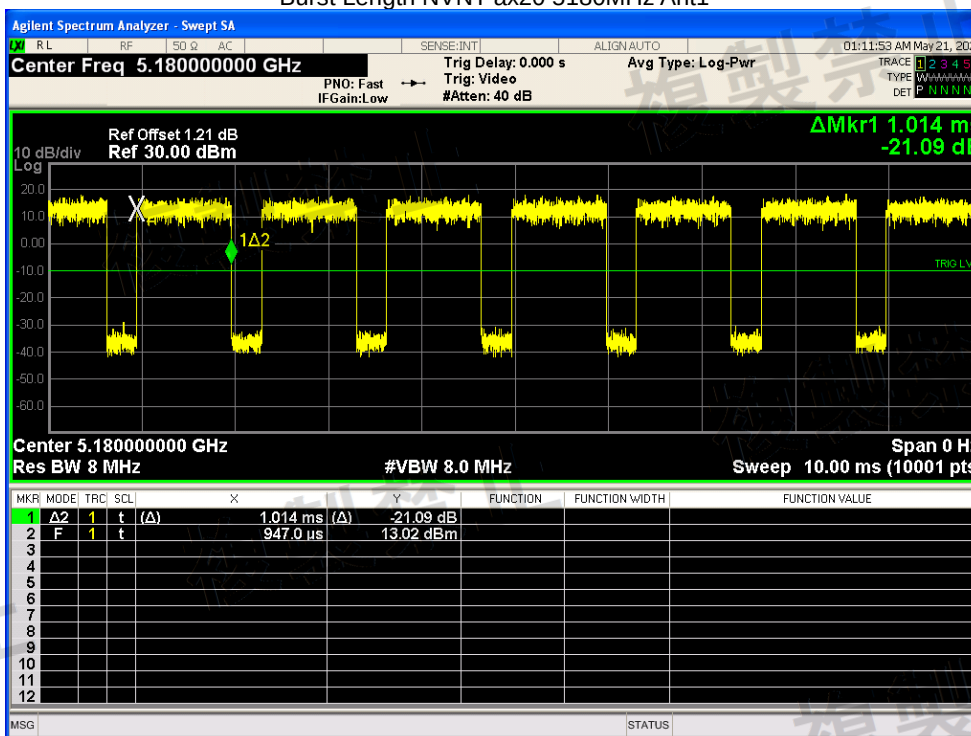


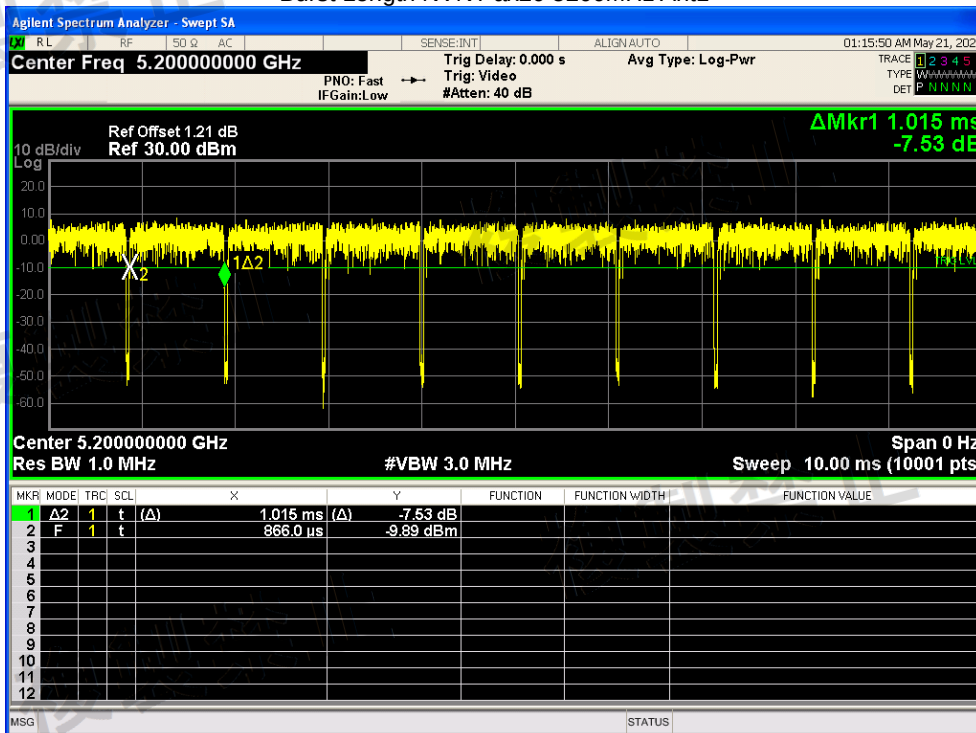
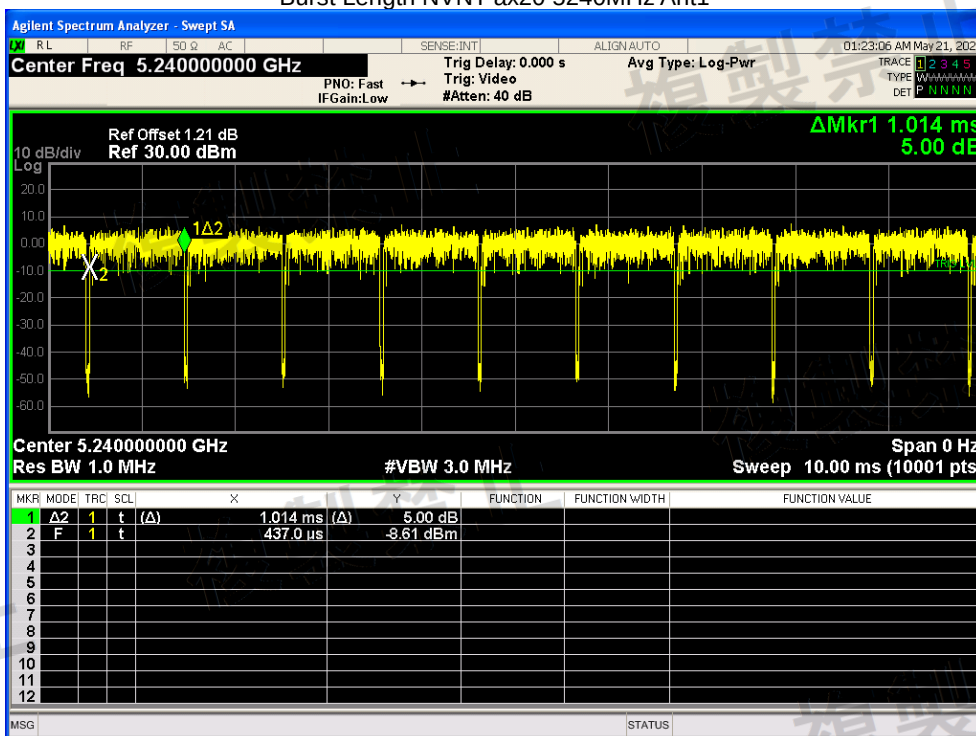
Condition	Mode	Frequency (MHz)	Antenna	Burst Length (ms)	Limit (ms)	Verdict	
	NVNT	a	Ant1	5180	0.176	8	Pass
	NVNT	a	Ant1	5200	0.177	8	Pass
	NVNT	a	Ant1	5240	0.177	8	Pass
	NVNT	ac20	Ant1	5180	1.312	8	Pass
	NVNT	ac20	Ant1	5200	1.312	8	Pass
	NVNT	ac20	Ant1	5240	1.312	8	Pass
	NVNT	ax20	Ant1	5180	1.014	8	Pass
	NVNT	ax20	Ant1	5200	1.015	8	Pass
	NVNT	ax20	Ant1	5240	1.014	8	Pass
	NVNT	n20	Ant1	5180	1.3	8	Pass
	NVNT	n20	Ant1	5200	1.3	8	Pass
	NVNT	n20	Ant1	5240	1.3	8	Pass

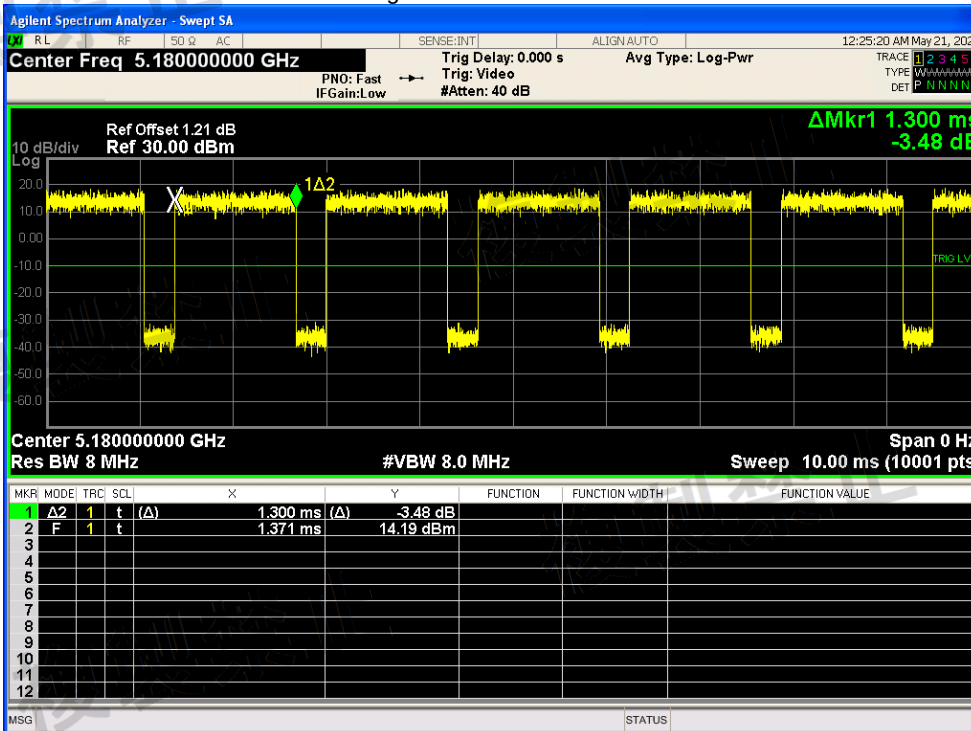
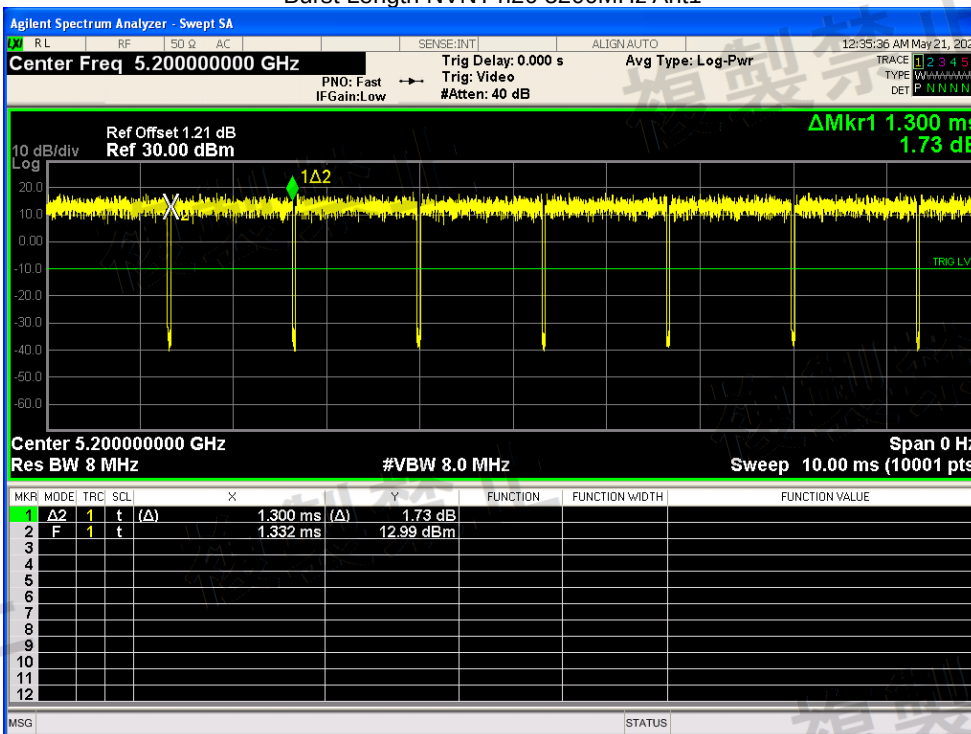
[illegible]

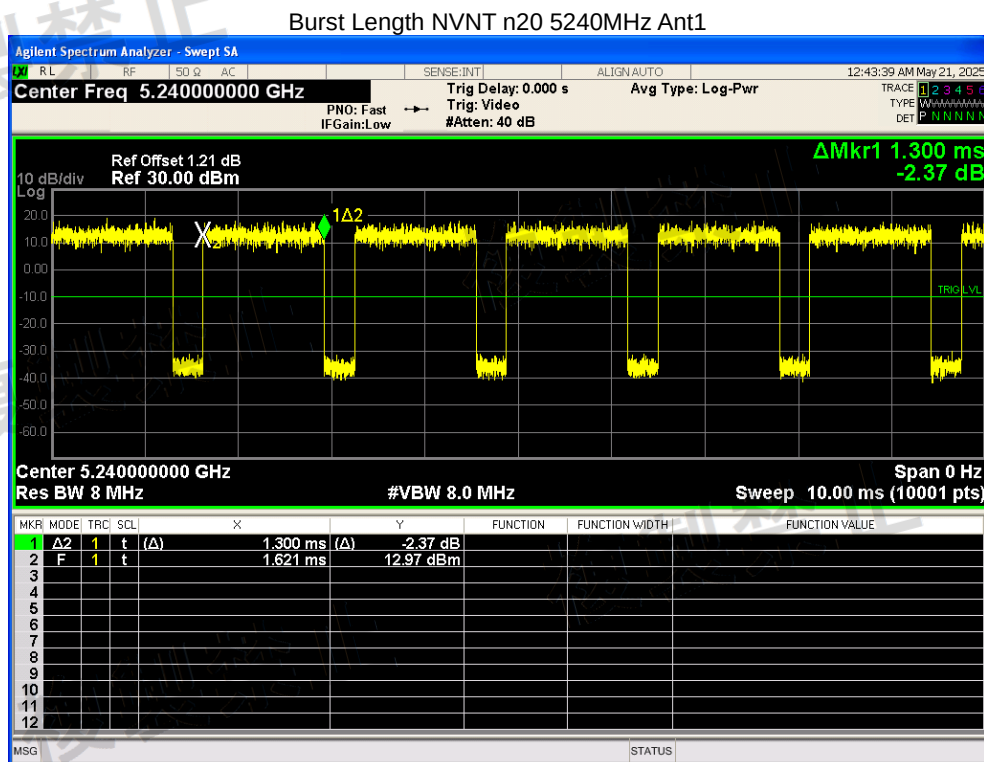








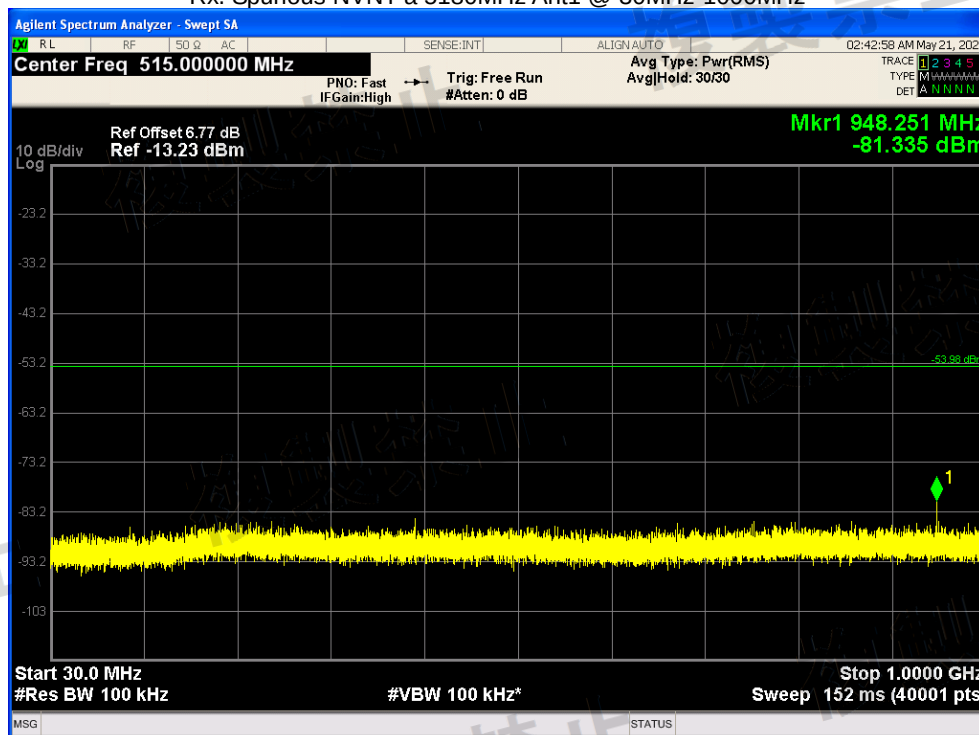




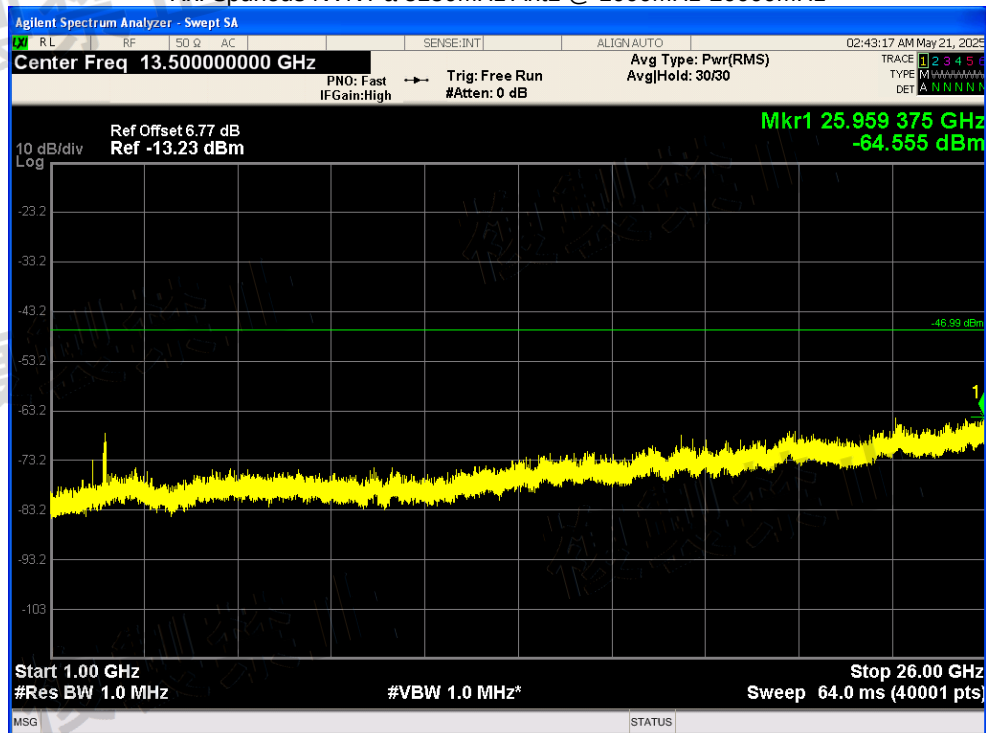
14.6 RX SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	a	5180	Ant1	30-1000	948.25	-81.33	0.0074	4	Pass
NVNT	a	5180	Ant1	1000-26000	25959.38	-64.56	0.3499	20	Pass
NVNT	a	5200	Ant1	30-1000	948.15	-81.07	0.0078	4	Pass
NVNT	a	5200	Ant1	1000-26000	25986.25	-64.71	0.3381	20	Pass
NVNT	a	5240	Ant1	30-1000	948.15	-82.64	0.0054	4	Pass
NVNT	a	5240	Ant1	1000-26000	25520	-64.14	0.3855	20	Pass
NVNT	ac20	5180	Ant1	30-1000	948.15	-80.91	0.0081	4	Pass
NVNT	ac20	5180	Ant1	1000-26000	25520	-64.47	0.3573	20	Pass
NVNT	ac20	5200	Ant1	30-1000	948.25	-82.56	0.0055	4	Pass
NVNT	ac20	5200	Ant1	1000-26000	25935	-63.81	0.4159	20	Pass
NVNT	ac20	5240	Ant1	30-1000	948.23	-80.91	0.0081	4	Pass
NVNT	ac20	5240	Ant1	1000-26000	25911.88	-64.21	0.3793	20	Pass
NVNT	ax20	5180	Ant1	30-1000	948.15	-80.06	0.0099	4	Pass
NVNT	ax20	5180	Ant1	1000-26000	25847.5	-63.28	0.4699	20	Pass
NVNT	ax20	5200	Ant1	30-1000	948.27	-80.73	0.0085	4	Pass
NVNT	ax20	5200	Ant1	1000-26000	25944.38	-64.03	0.3954	20	Pass
NVNT	ax20	5240	Ant1	30-1000	948.2	-83.63	0.0043	4	Pass
NVNT	ax20	5240	Ant1	1000-26000	25387.5	-63.64	0.4325	20	Pass
NVNT	n20	5180	Ant1	30-1000	948.2	-79.11	0.0123	4	Pass
NVNT	n20	5180	Ant1	1000-26000	25932.5	-63.52	0.4446	20	Pass
NVNT	n20	5200	Ant1	30-1000	948.15	-79.2	0.012	4	Pass
NVNT	n20	5200	Ant1	1000-26000	25437.5	-64.66	0.342	20	Pass
NVNT	n20	5240	Ant1	30-1000	948.18	-83.69	0.0043	4	Pass
NVNT	n20	5240	Ant1	1000-26000	25858.13	-64.38	0.3648	20	Pass

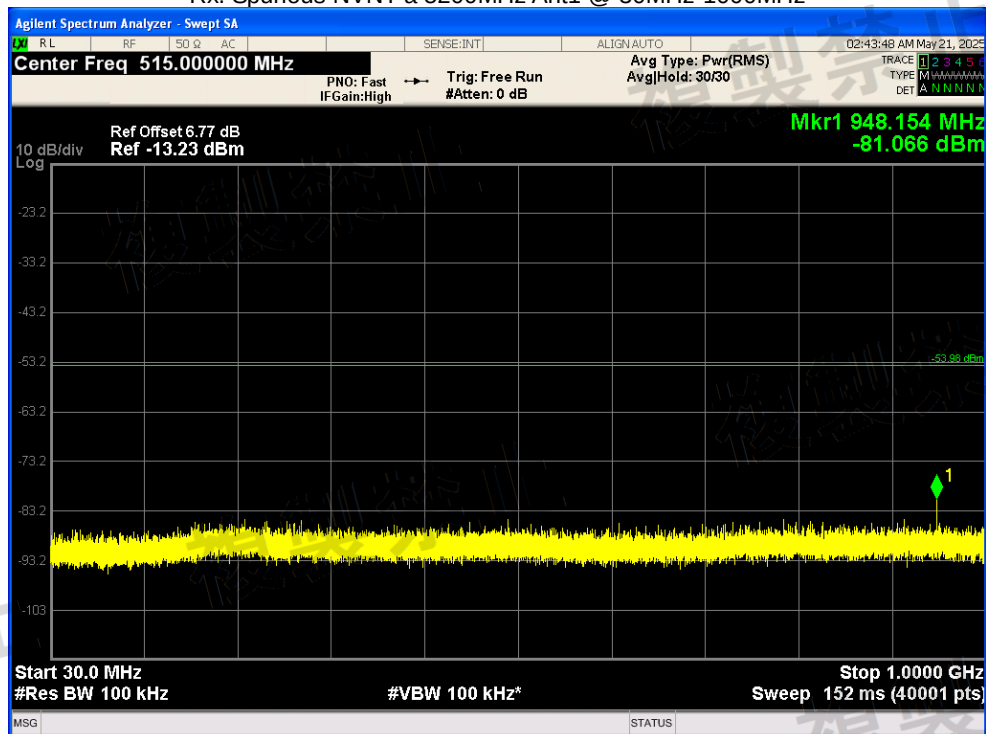
Rx. Spurious NVNT a 5180MHz Ant1 @ 30MHz-1000MHz



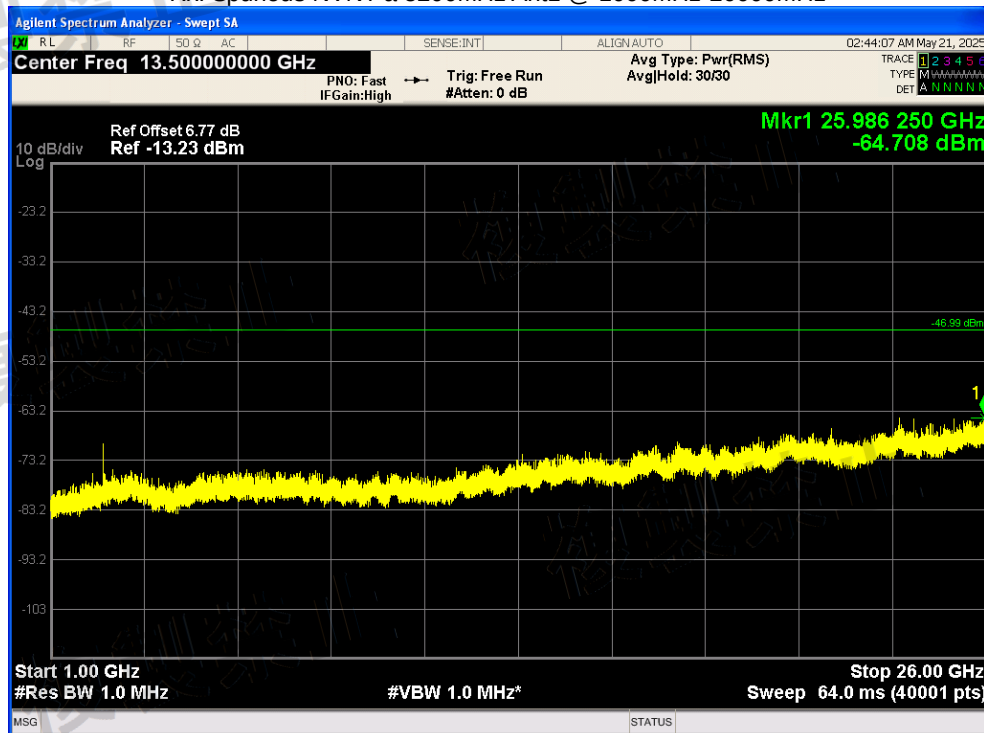
Rx. Spurious NVNT a 5180MHz Ant1 @ 1000MHz-26000MHz



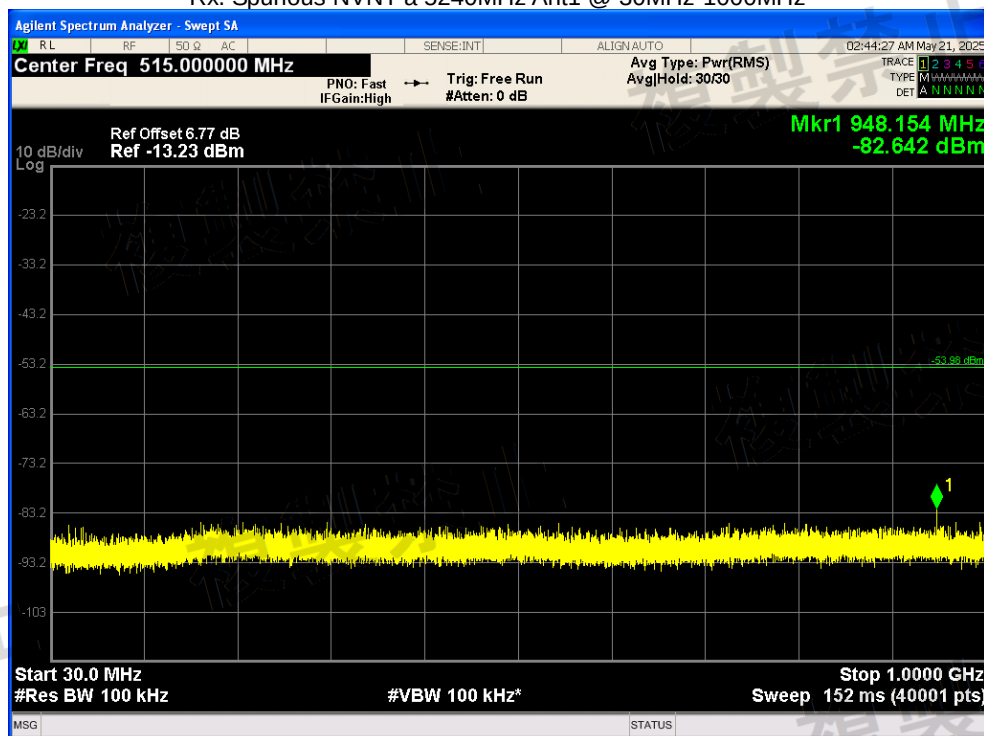
Rx. Spurious NVNT a 5200MHz Ant1 @ 30MHz-1000MHz



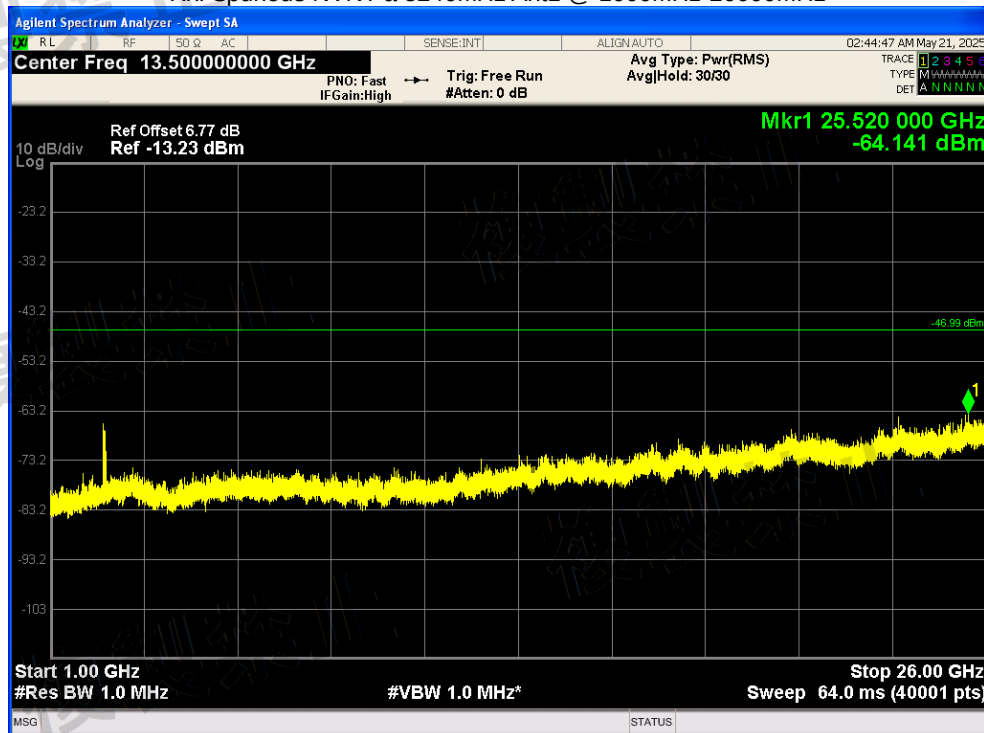
Rx. Spurious NVNT a 5200MHz Ant1 @ 1000MHz-26000MHz



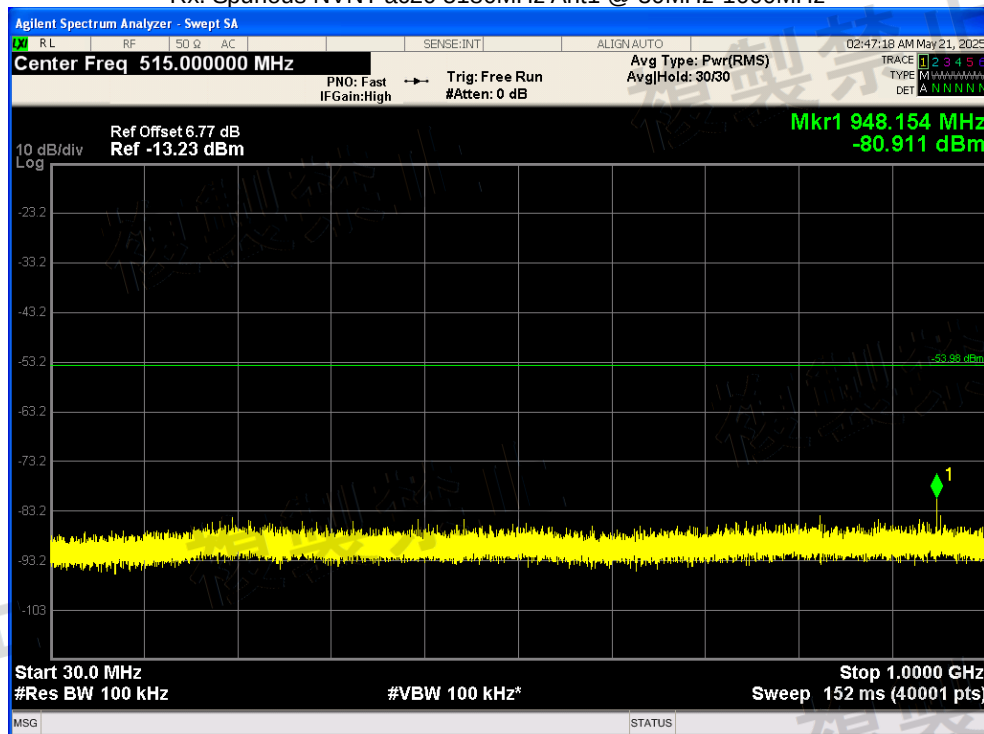
Rx. Spurious NVNT a 5240MHz Ant1 @ 30MHz-1000MHz



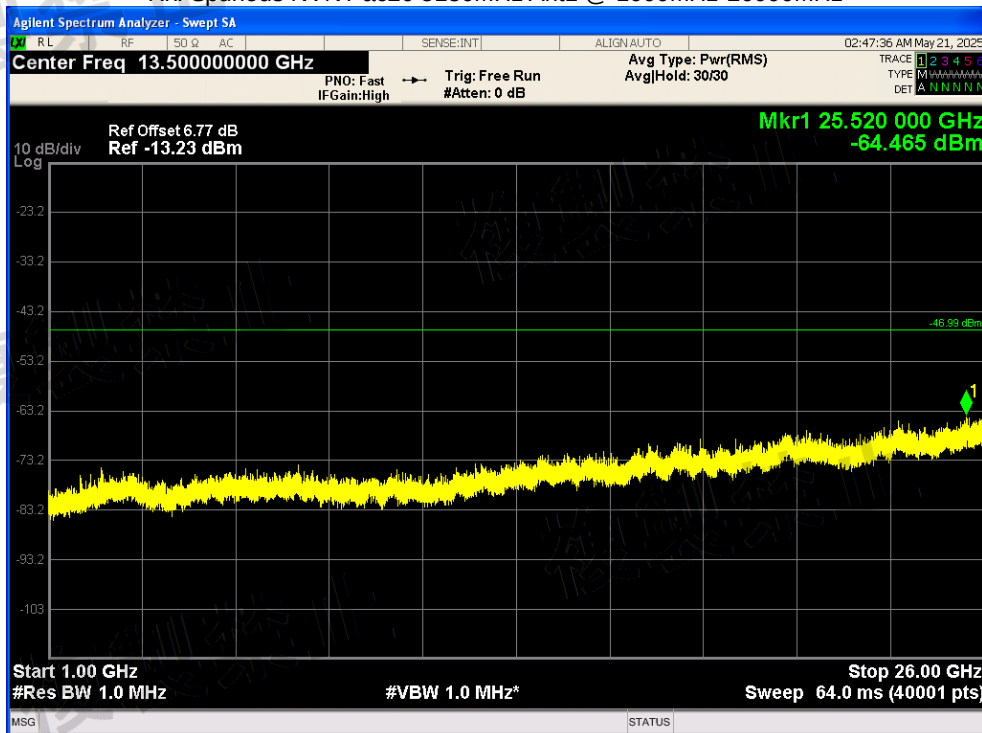
Rx. Spurious NVNT a 5240MHz Ant1 @ 1000MHz-26000MHz



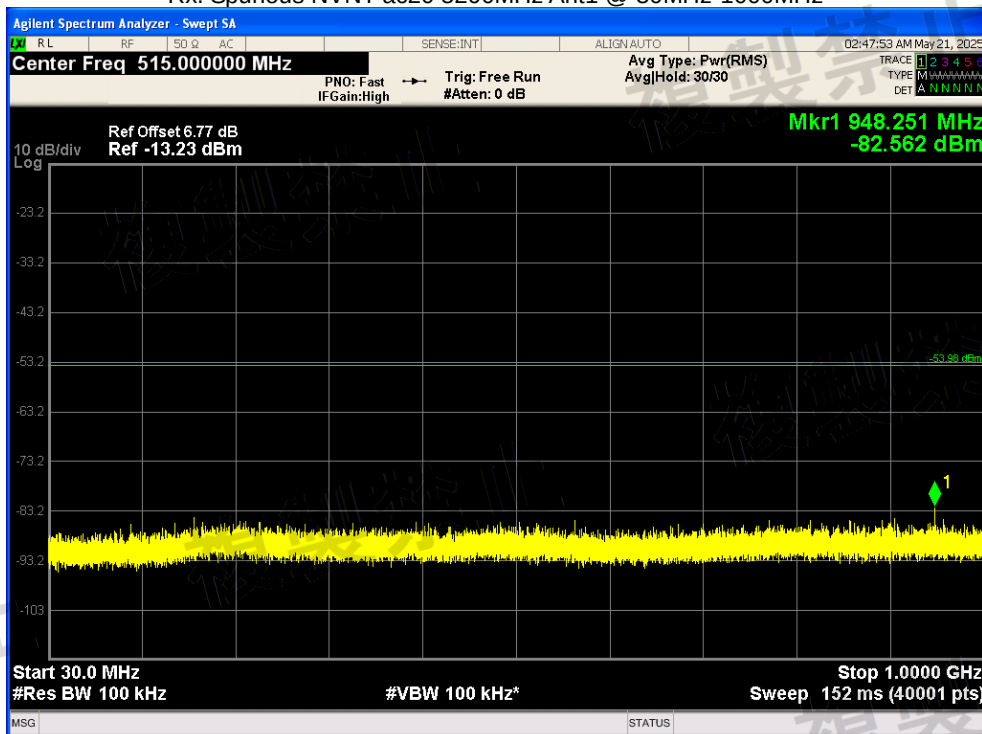
Rx. Spurious NVNT ac20 5180MHz Ant1 @ 30MHz-1000MHz



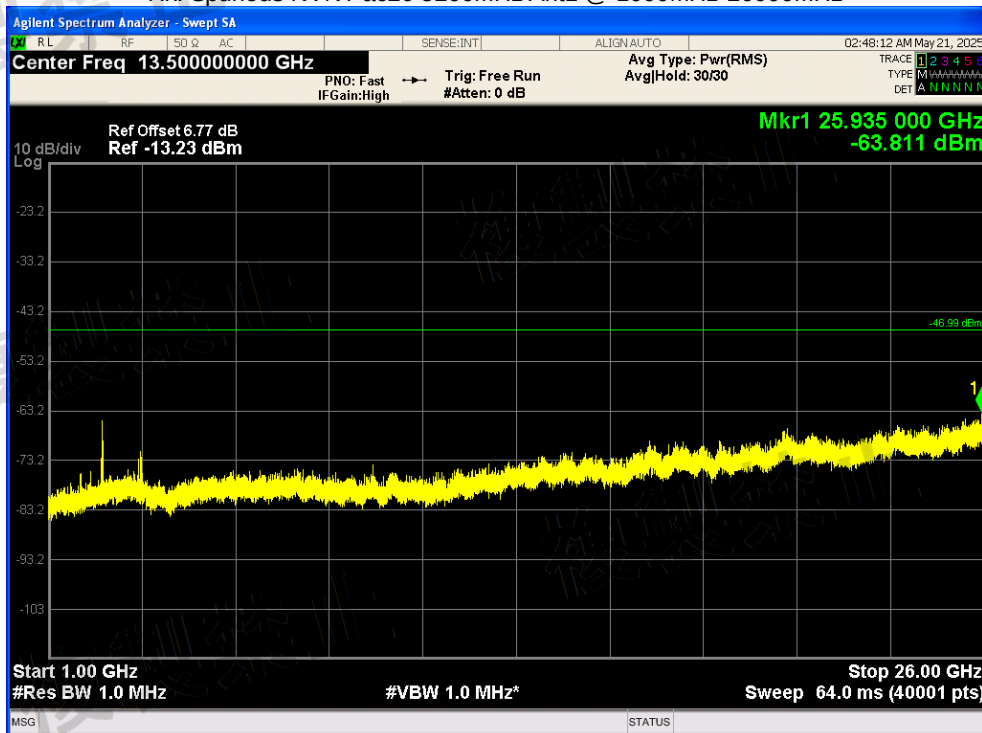
Rx. Spurious NVNT ac20 5180MHz Ant1 @ 1000MHz-26000MHz



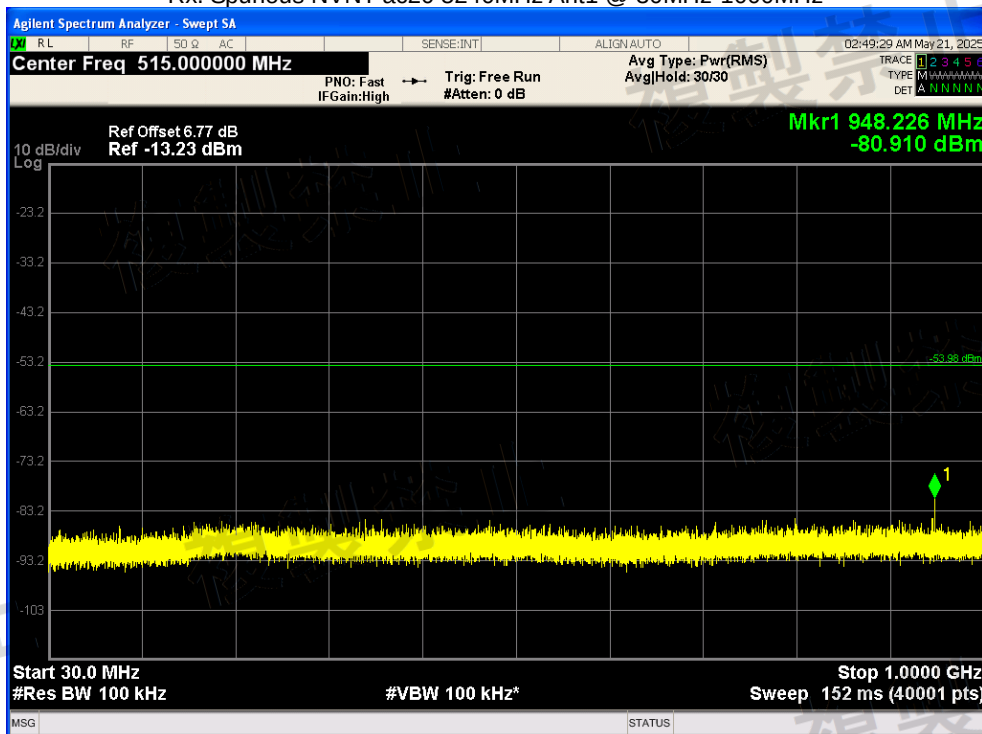
Rx. Spurious NVNT ac20 5200MHz Ant1 @ 30MHz-1000MHz



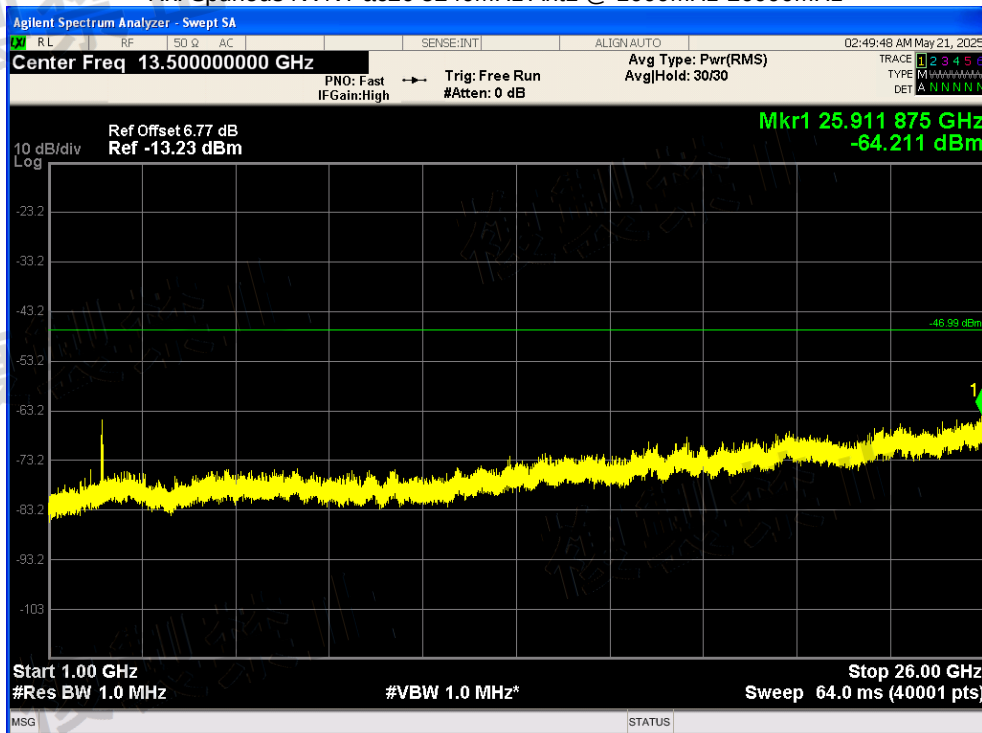
Rx. Spurious NVNT ac20 5200MHz Ant1 @ 1000MHz-26000MHz



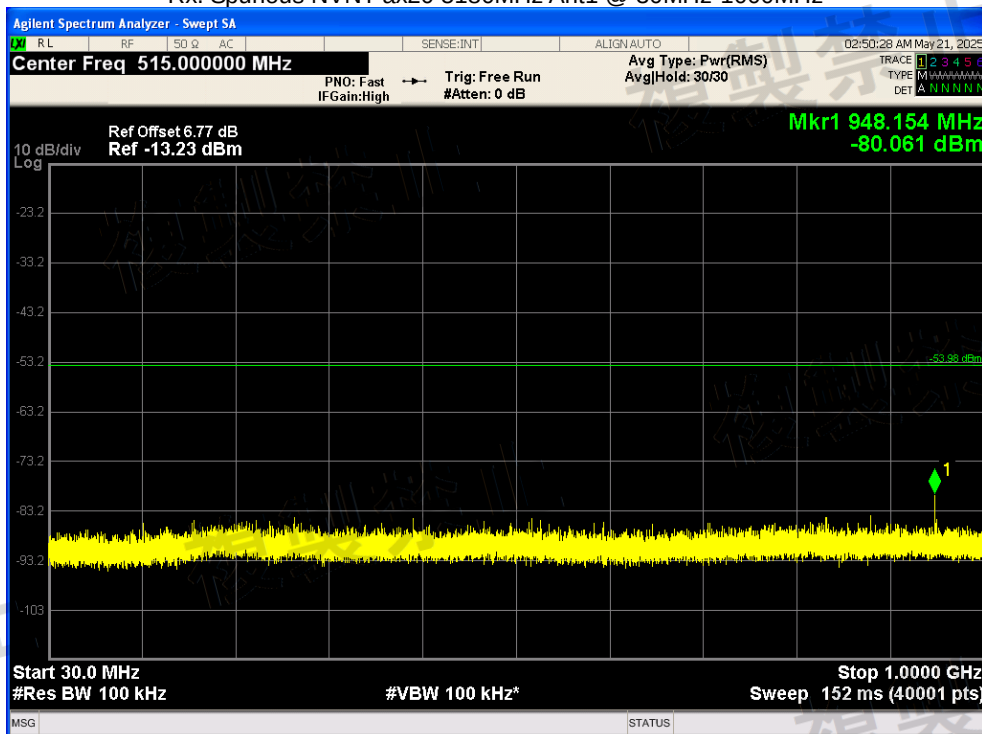
Rx. Spurious NVNT ac20 5240MHz Ant1 @ 30MHz-1000MHz



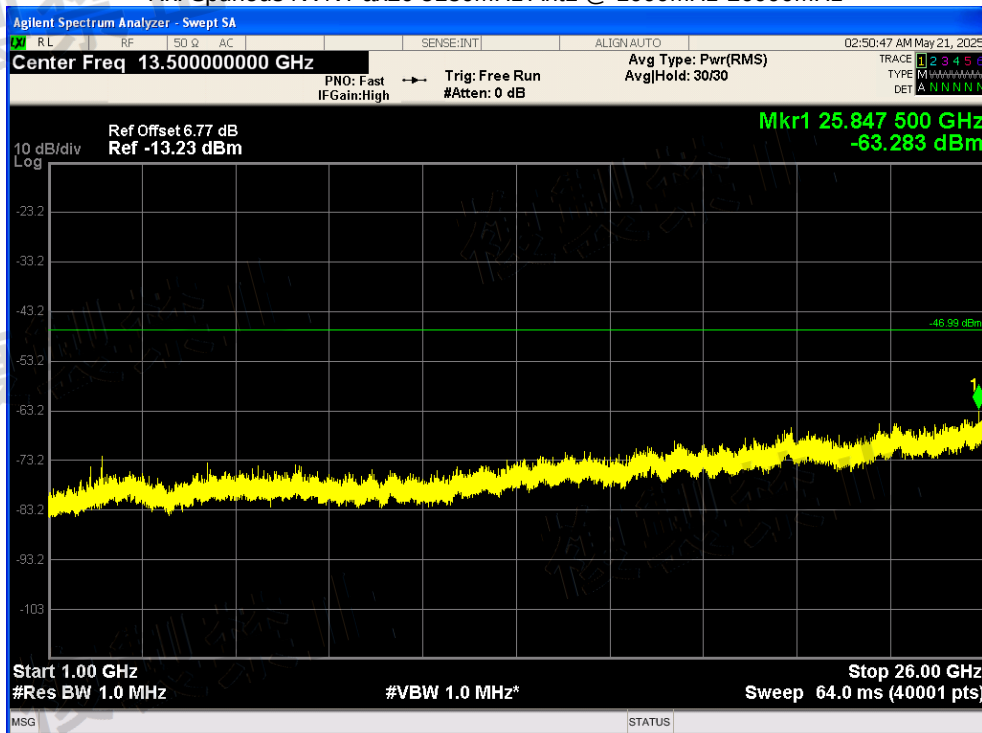
Rx. Spurious NVNT ac20 5240MHz Ant1 @ 1000MHz-26000MHz



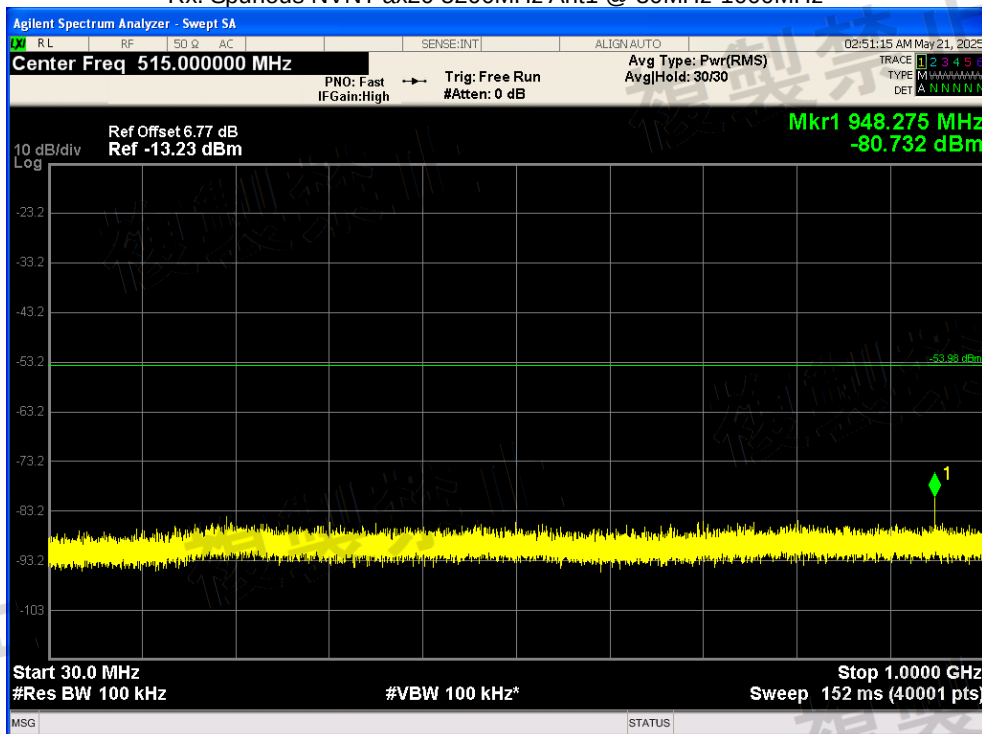
Rx. Spurious NVNT ax20 5180MHz Ant1 @ 30MHz-1000MHz



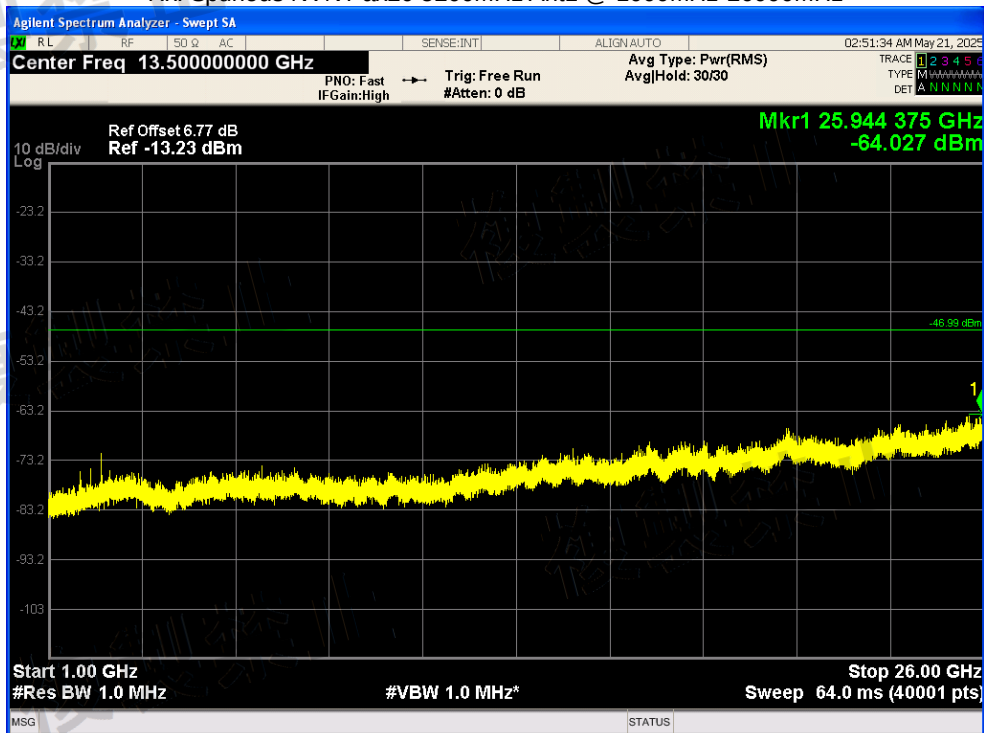
Rx. Spurious NVNT ax20 5180MHz Ant1 @ 1000MHz-26000MHz



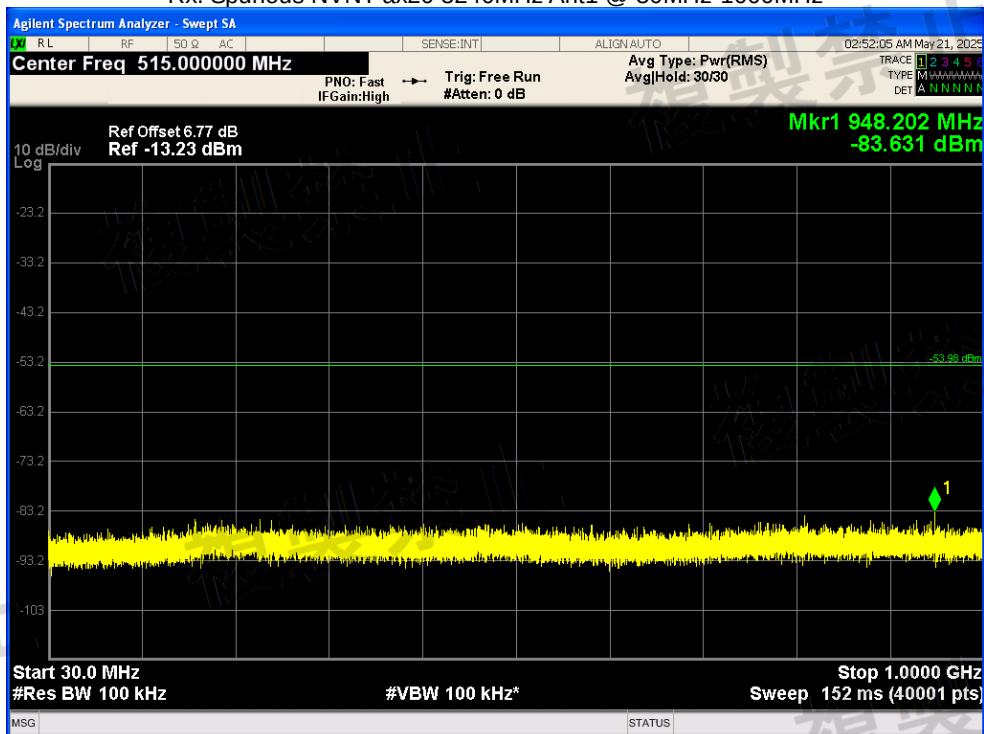
Rx. Spurious NVNT ax20 5200MHz Ant1 @ 30MHz-1000MHz



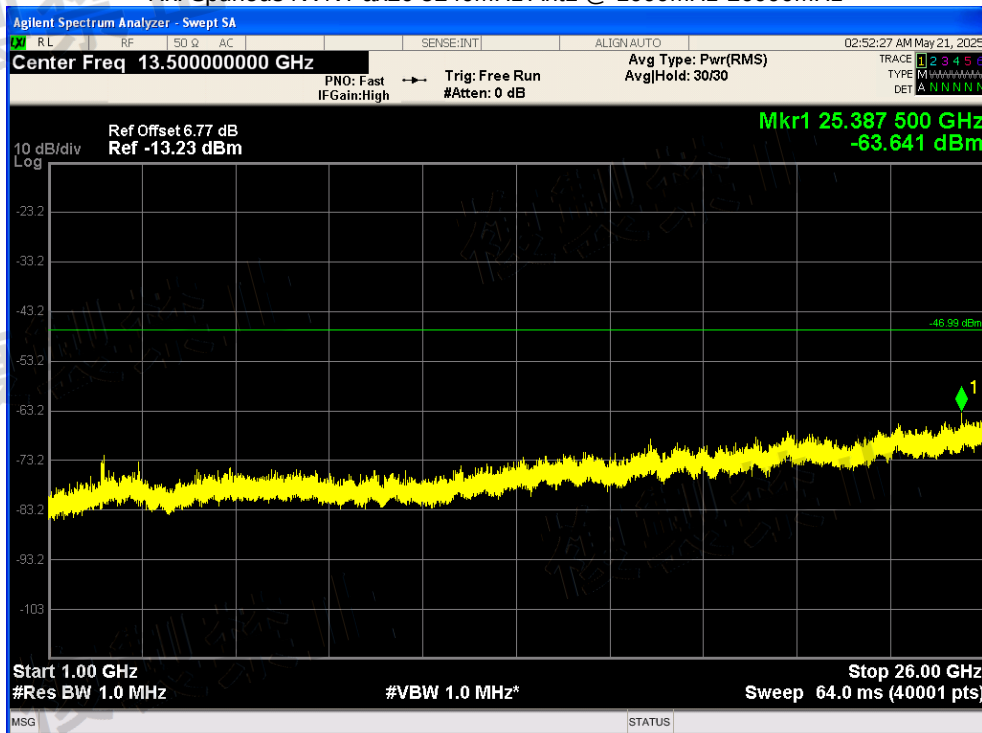
Rx. Spurious NVNT ax20 5200MHz Ant1 @ 1000MHz-26000MHz



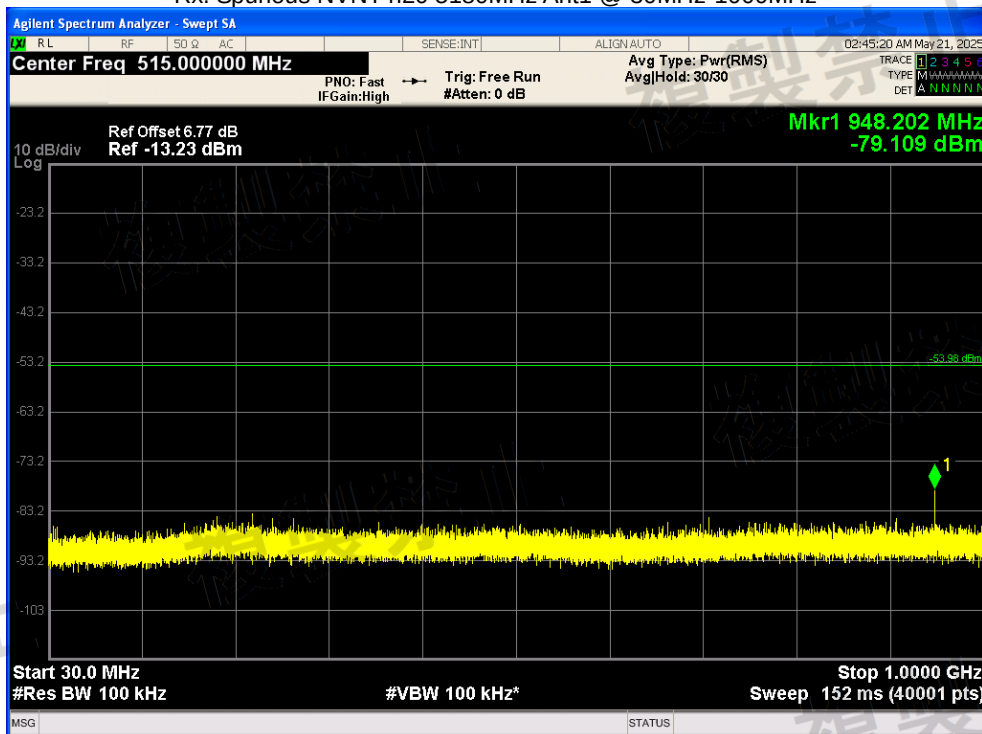
Rx. Spurious NVNT ax20 5240MHz Ant1 @ 30MHz-1000MHz



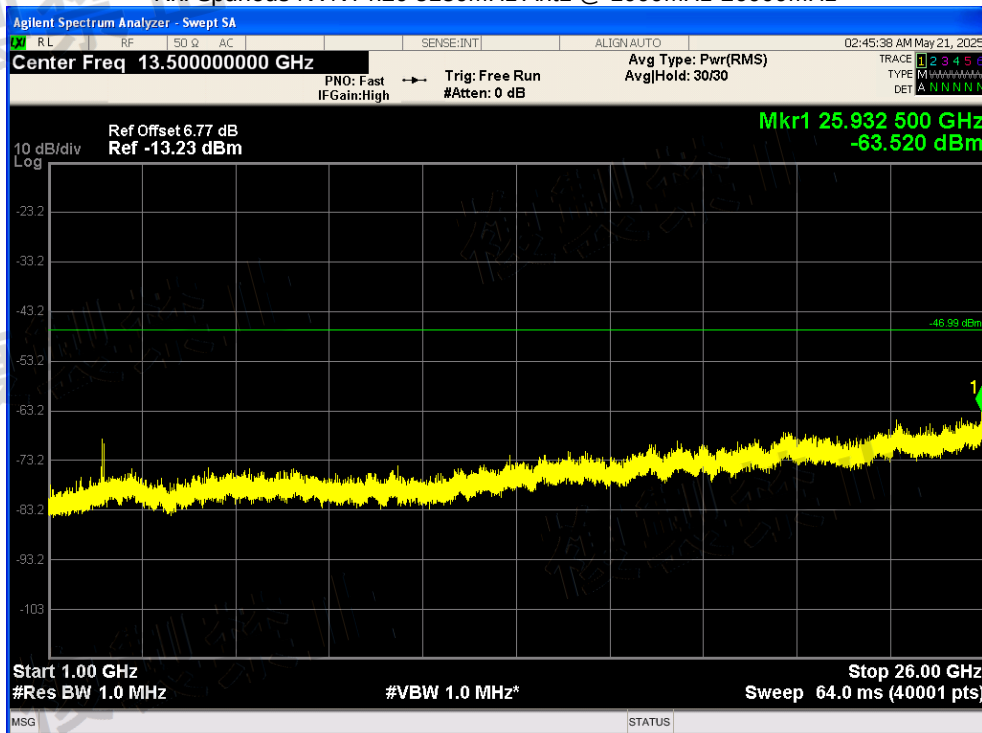
Rx. Spurious NVNT ax20 5240MHz Ant1 @ 1000MHz-26000MHz



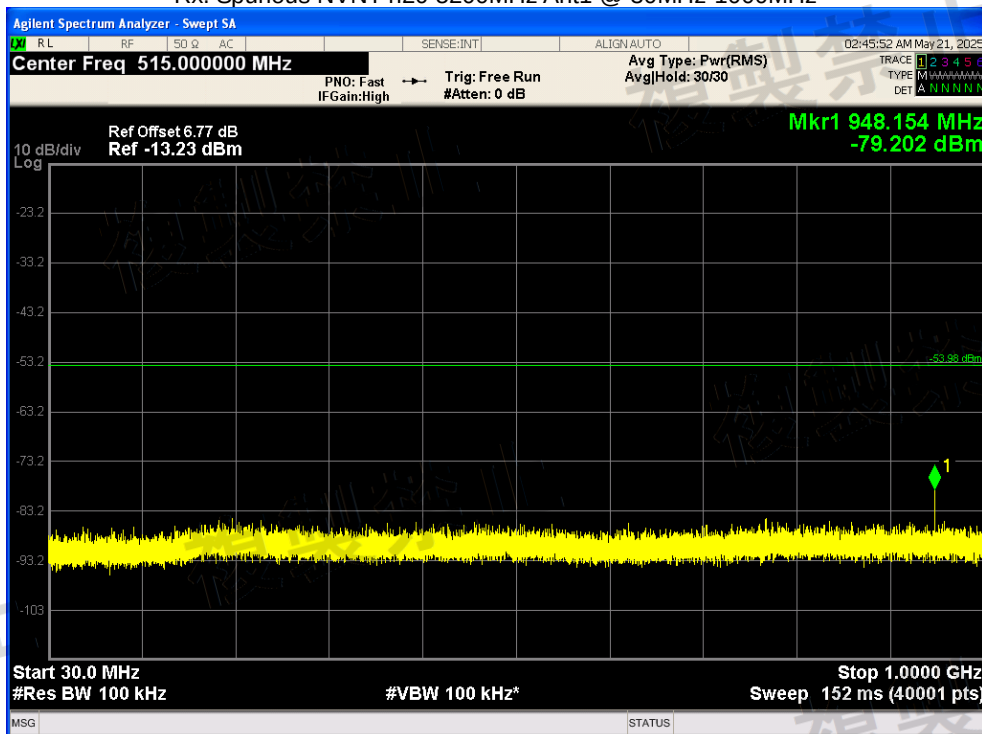
Rx. Spurious NVNT n20 5180MHz Ant1 @ 30MHz-1000MHz



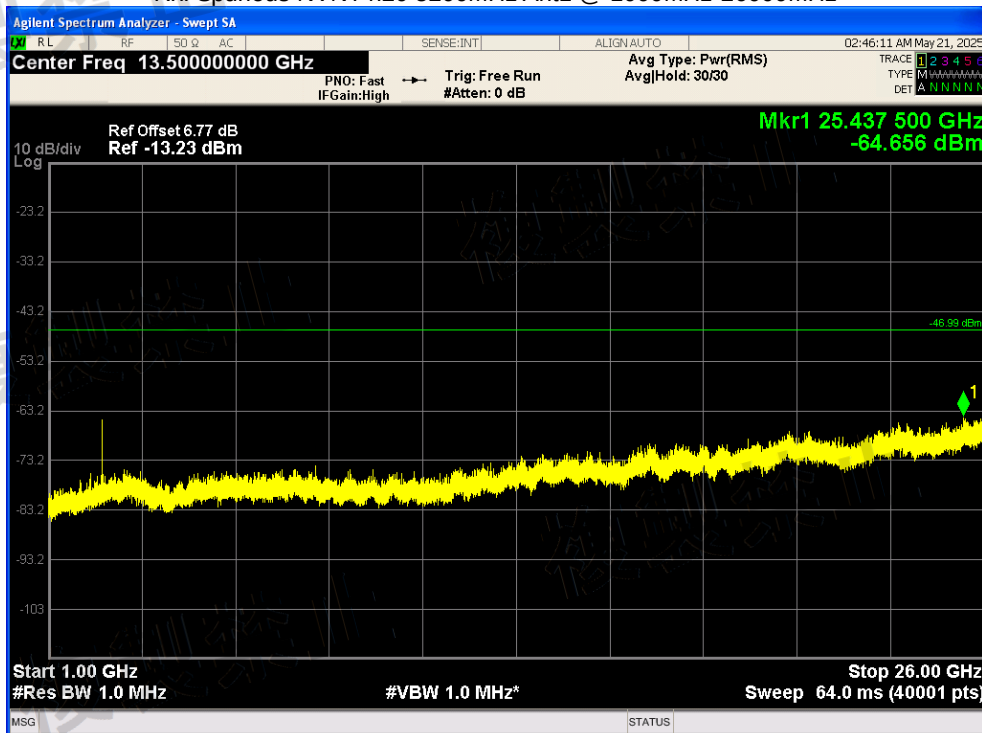
Rx. Spurious NVNT n20 5180MHz Ant1 @ 1000MHz-26000MHz



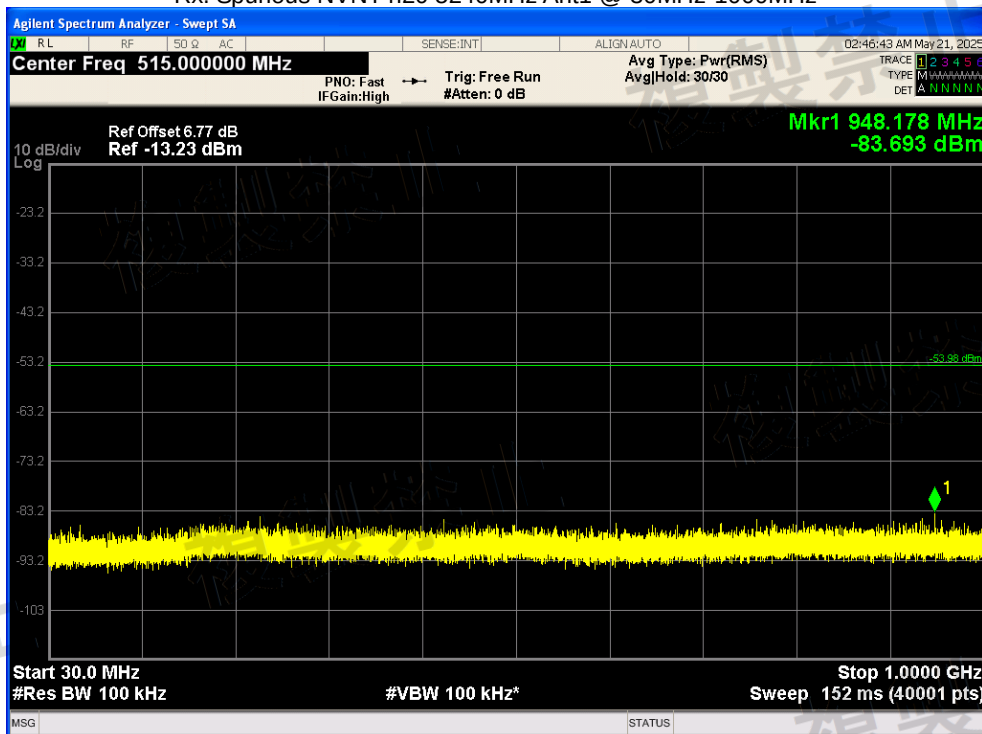
Rx. Spurious NVNT n20 5200MHz Ant1 @ 30MHz-1000MHz



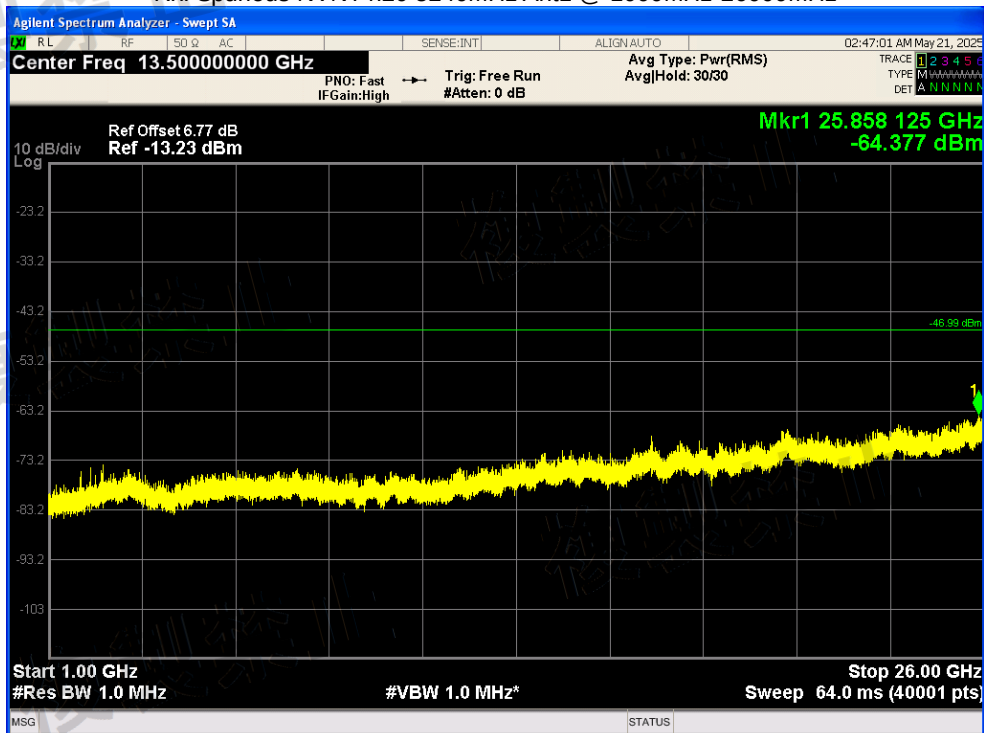
Rx. Spurious NVNT n20 5200MHz Ant1 @ 1000MHz-26000MHz



Rx. Spurious NVNT n20 5240MHz Ant1 @ 30MHz-1000MHz



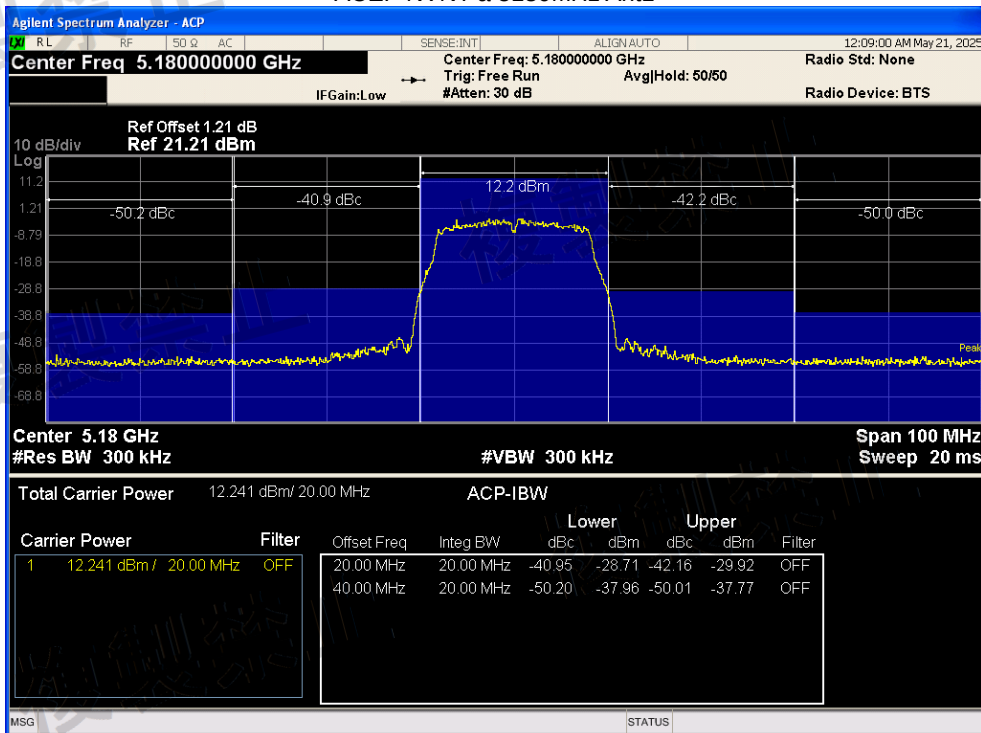
RX. Spurious NVNT n20 5240MHz Ant1 @ 1000MHz-26000MHz



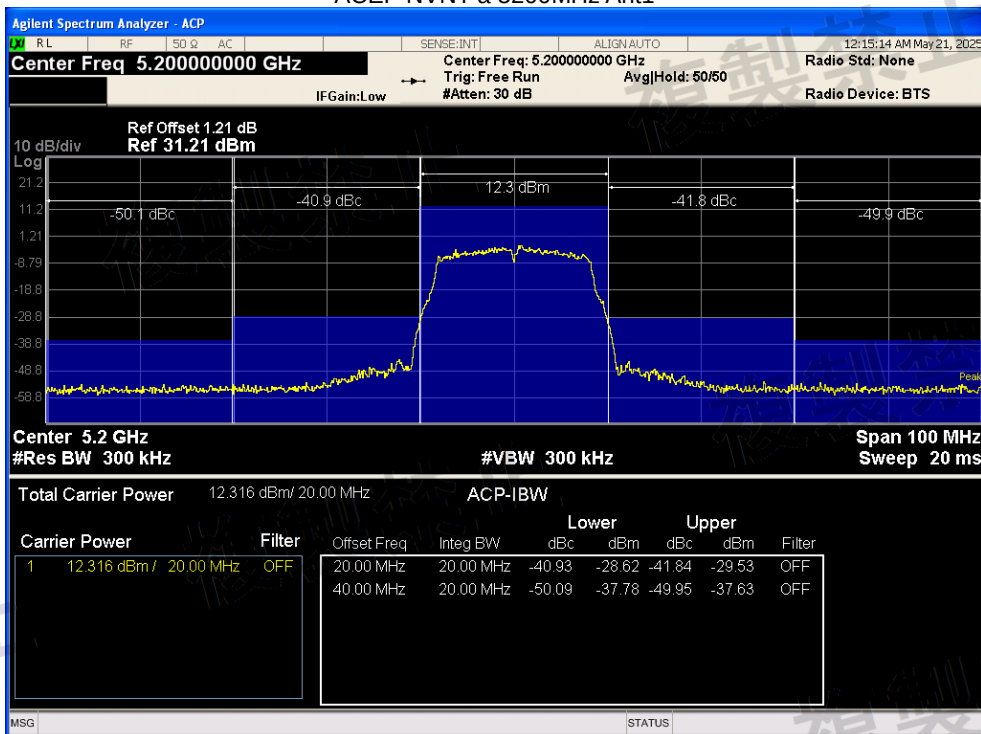
14.7 ADJACENT CHANNEL EMITTED POWER

Condition	Mode	Frequency (MHz)	Antenna	Offset (MHz)	Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-20	-40.95	-25	Pass
NVNT	a	5180	Ant1	-40	-50.2	-40	Pass
NVNT	a	5180	Ant1	20	-42.16	-25	Pass
NVNT	a	5180	Ant1	40	-50.01	-40	Pass
NVNT	a	5200	Ant1	-20	-40.93	-25	Pass
NVNT	a	5200	Ant1	-40	-50.09	-40	Pass
NVNT	a	5200	Ant1	20	-41.84	-25	Pass
NVNT	a	5200	Ant1	40	-49.95	-40	Pass
NVNT	a	5240	Ant1	-20	-40.86	-25	Pass
NVNT	a	5240	Ant1	-40	-49.93	-40	Pass
NVNT	a	5240	Ant1	20	-41.35	-25	Pass
NVNT	a	5240	Ant1	40	-49.39	-40	Pass
NVNT	ac20	5180	Ant1	-20	-37.82	-25	Pass
NVNT	ac20	5180	Ant1	-40	-52.98	-40	Pass
NVNT	ac20	5180	Ant1	20	-38.66	-25	Pass
NVNT	ac20	5180	Ant1	40	-53.28	-40	Pass
NVNT	ac20	5200	Ant1	-20	-38.1	-25	Pass
NVNT	ac20	5200	Ant1	-40	-53.43	-40	Pass
NVNT	ac20	5200	Ant1	20	-38.75	-25	Pass
NVNT	ac20	5200	Ant1	40	-53.63	-40	Pass
NVNT	ac20	5240	Ant1	-20	-38.07	-25	Pass
NVNT	ac20	5240	Ant1	-40	-53.19	-40	Pass
NVNT	ac20	5240	Ant1	20	-38.73	-25	Pass
NVNT	ac20	5240	Ant1	40	-52.92	-40	Pass
NVNT	ax20	5180	Ant1	-20	-35.37	-25	Pass
NVNT	ax20	5180	Ant1	-40	-54.26	-40	Pass
NVNT	ax20	5180	Ant1	20	-36.3	-25	Pass
NVNT	ax20	5180	Ant1	40	-54.57	-40	Pass
NVNT	ax20	5200	Ant1	-20	-35.41	-25	Pass
NVNT	ax20	5200	Ant1	-40	-54.75	-40	Pass
NVNT	ax20	5200	Ant1	20	-36.85	-25	Pass
NVNT	ax20	5200	Ant1	40	-54.89	-40	Pass
NVNT	ax20	5240	Ant1	-20	-35.99	-25	Pass
NVNT	ax20	5240	Ant1	-40	-53.69	-40	Pass
NVNT	ax20	5240	Ant1	20	-36.56	-25	Pass
NVNT	ax20	5240	Ant1	40	-53.34	-40	Pass
NVNT	n20	5180	Ant1	-20	-39.22	-25	Pass
NVNT	n20	5180	Ant1	-40	-54.07	-40	Pass
NVNT	n20	5180	Ant1	20	-39.51	-25	Pass
NVNT	n20	5180	Ant1	40	-54.42	-40	Pass
NVNT	n20	5200	Ant1	-20	-37.87	-25	Pass
NVNT	n20	5200	Ant1	-40	-53.05	-40	Pass
NVNT	n20	5200	Ant1	20	-38.63	-25	Pass
NVNT	n20	5200	Ant1	40	-53.22	-40	Pass
NVNT	n20	5240	Ant1	-20	-38.44	-25	Pass
NVNT	n20	5240	Ant1	-40	-52.97	-40	Pass
NVNT	n20	5240	Ant1	20	-38.55	-25	Pass
NVNT	n20	5240	Ant1	40	-52.76	-40	Pass

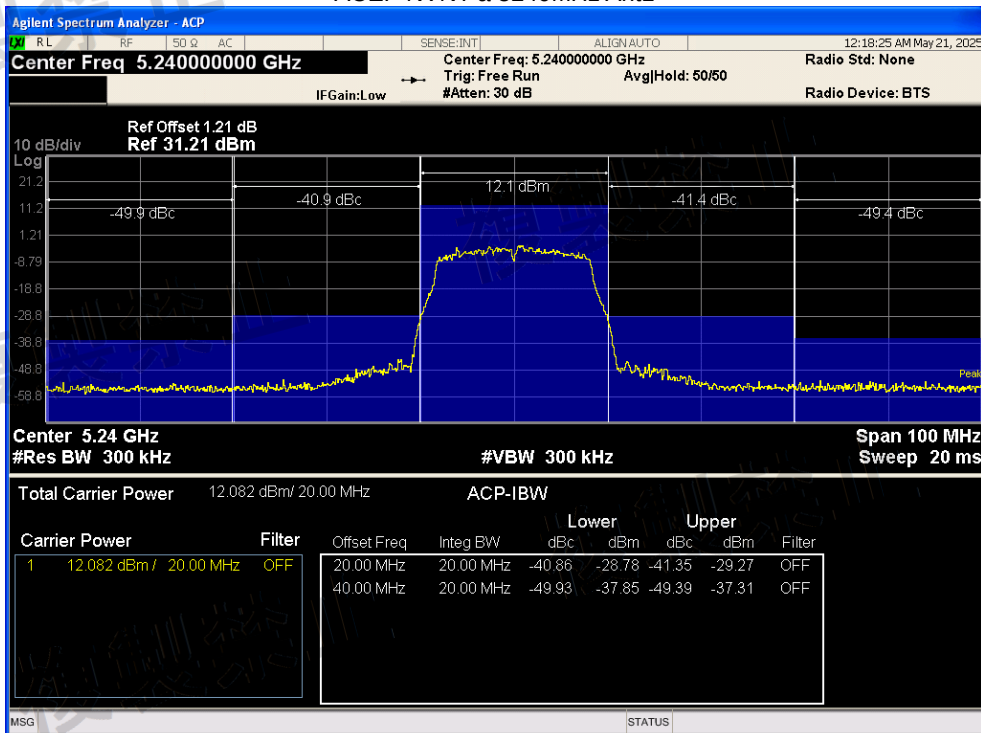
ACEP NVNT a 5180MHz Ant1



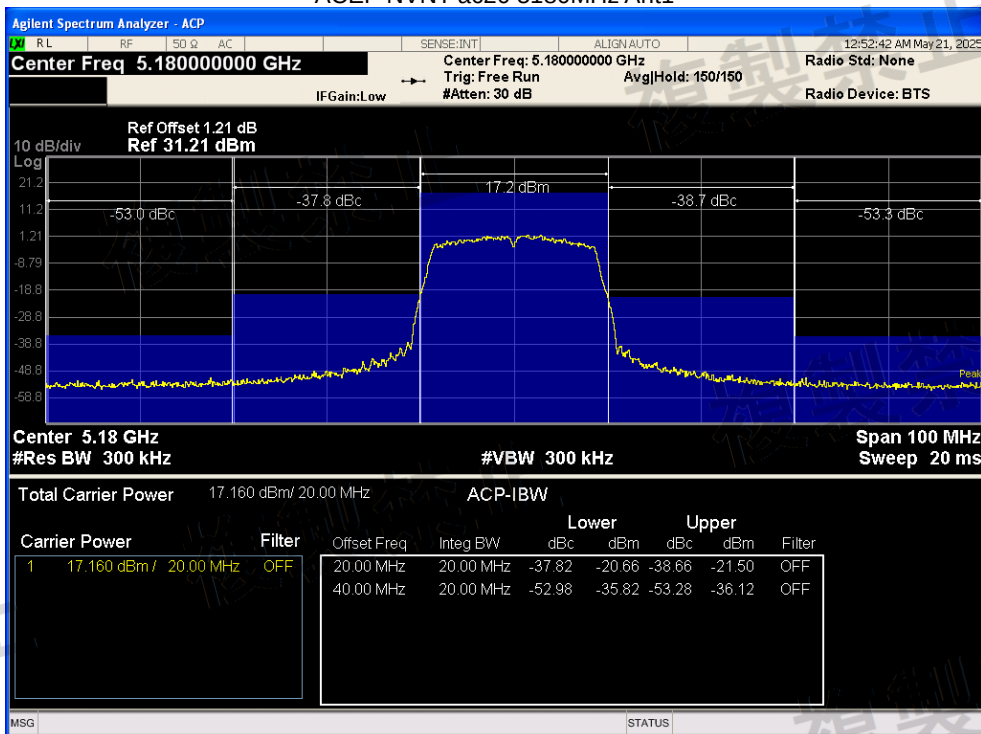
ACEP NVNT a 5200MHz Ant1



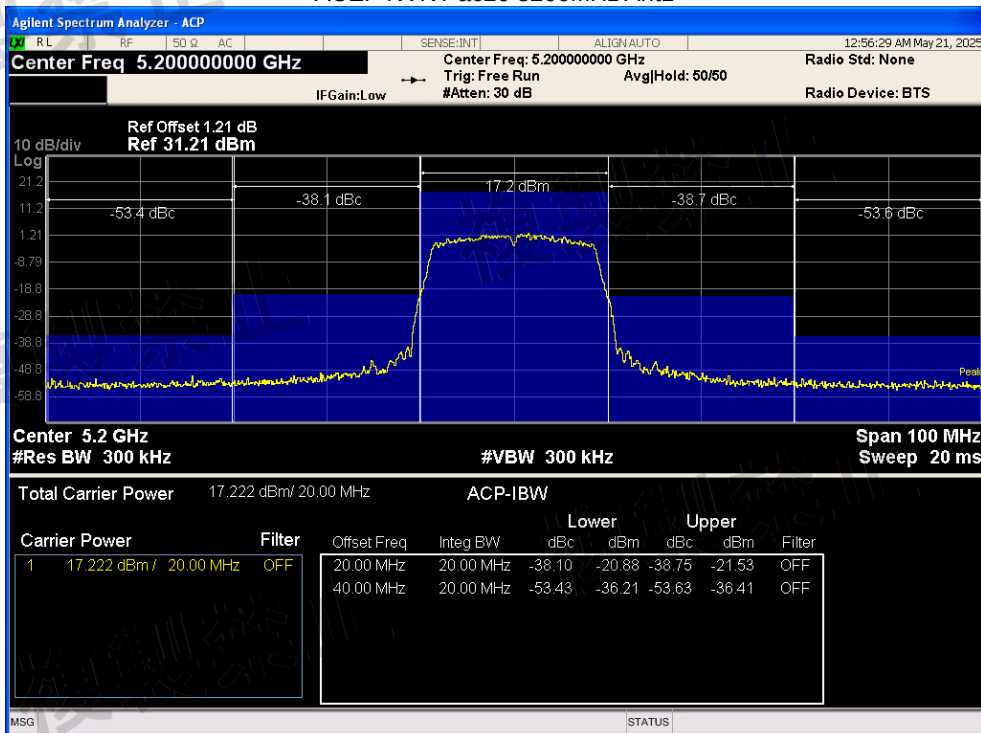
ACEP NVNT a 5240MHz Ant1



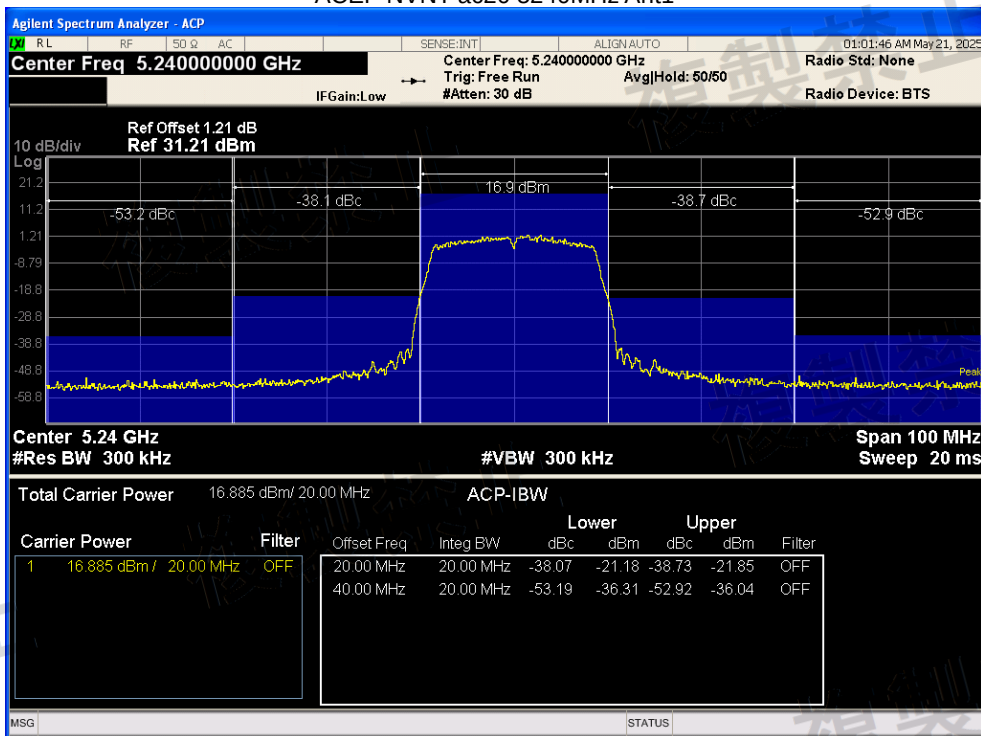
ACEP NVNT ac20 5180MHz Ant1



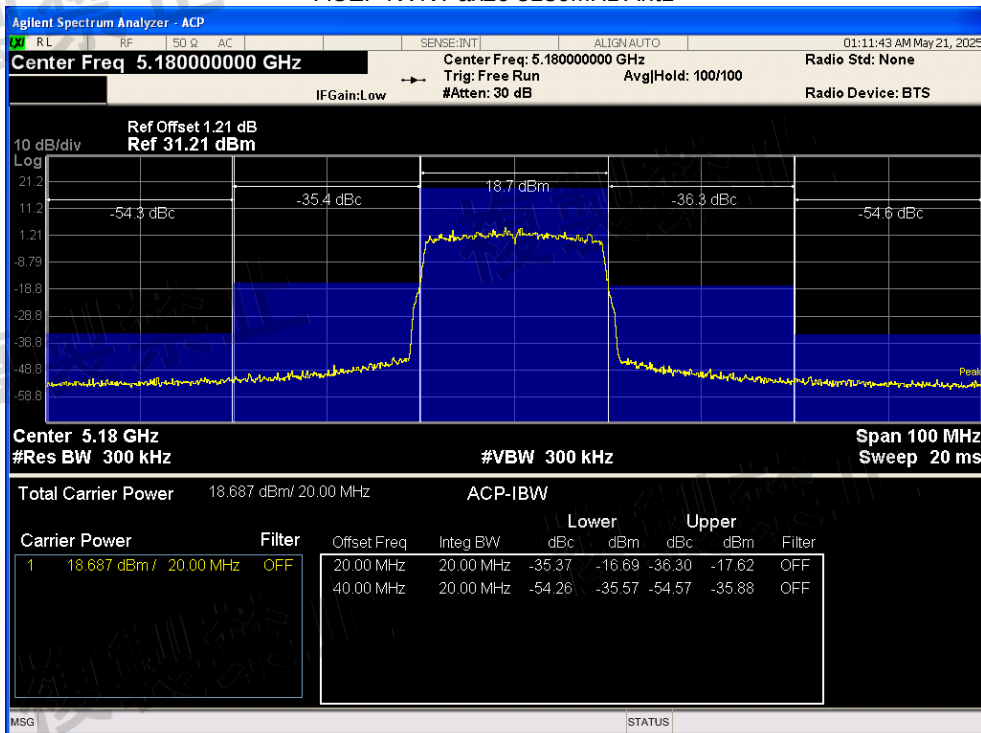
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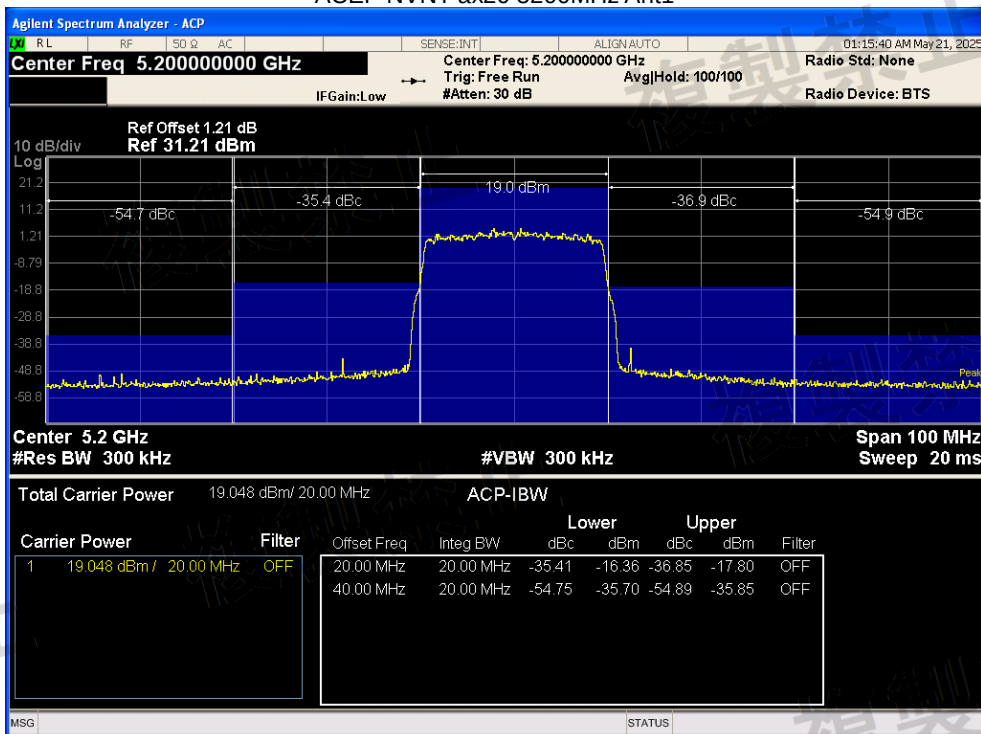
ACEP NVNT ac20 5240MHz Ant1



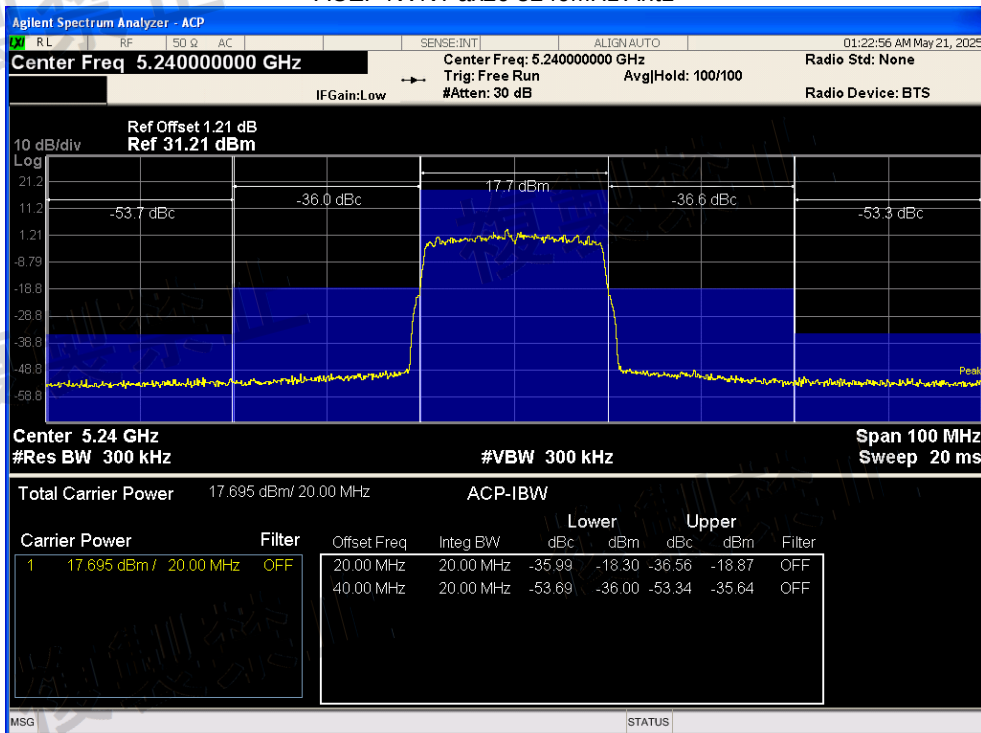
ACEP NVNT ax20 5180MHz Ant1



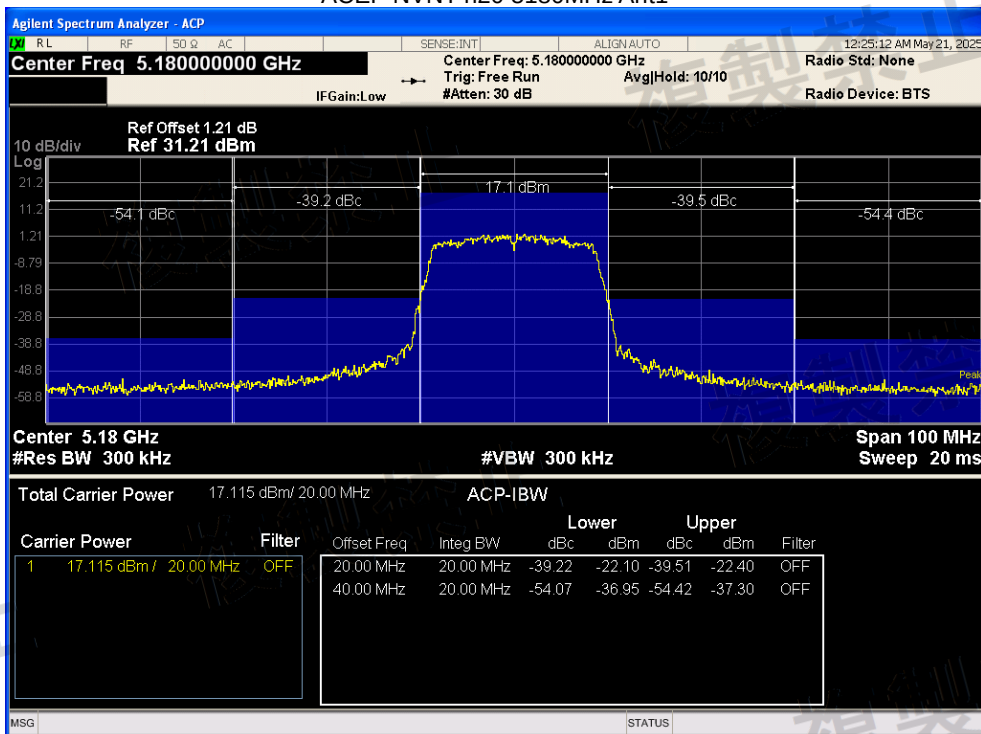
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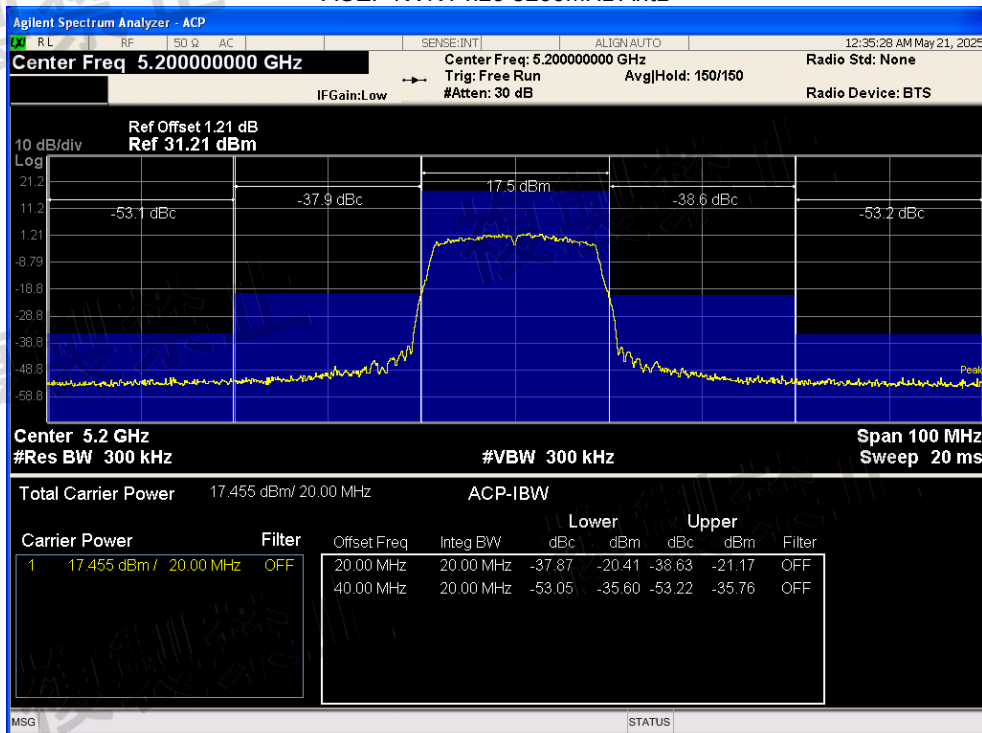
ACEP NVNT ax20 5240MHz Ant1



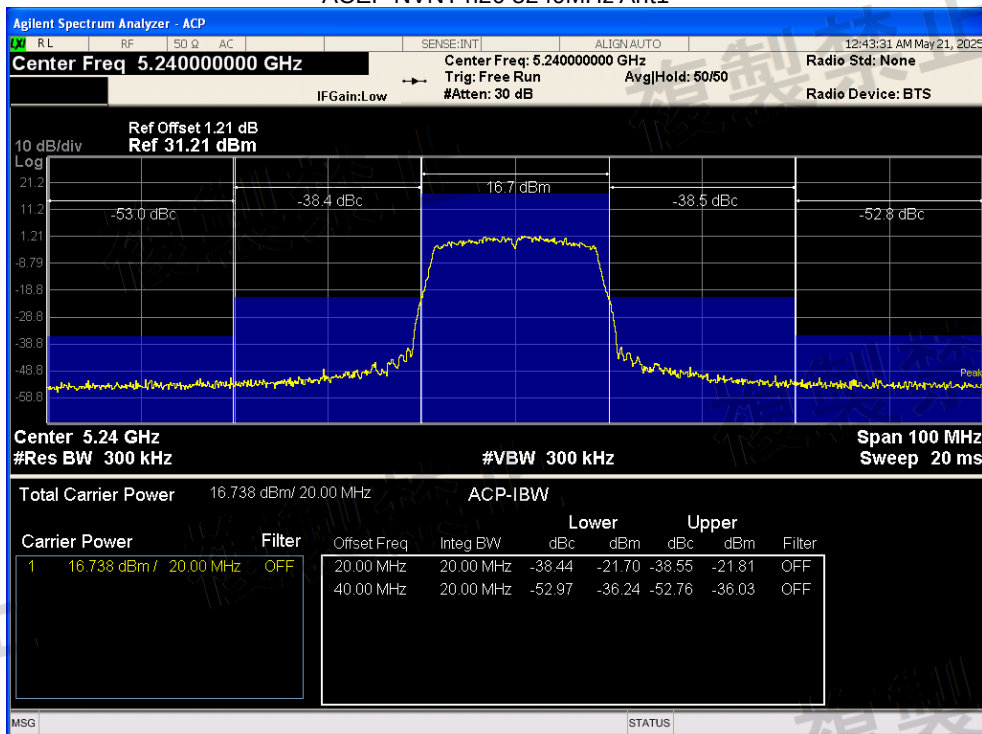
ACEP NVNT n20 5180MHz Ant1



ACEP NVNT n20 5200MHz Ant1



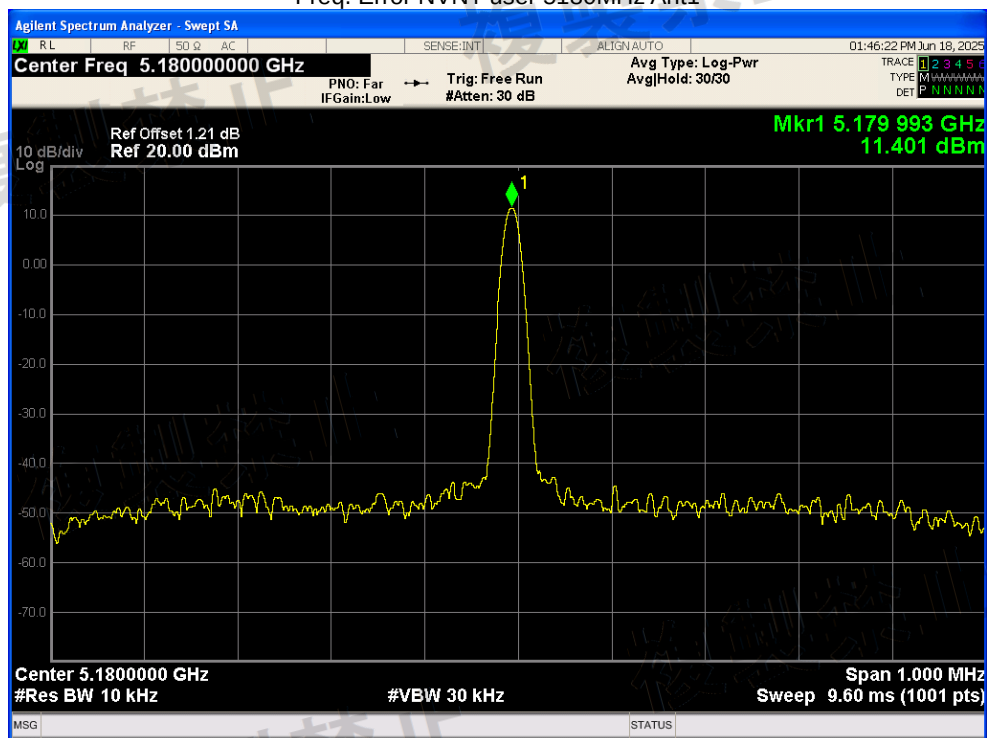
ACEP NVNT n20 5240MHz Ant1



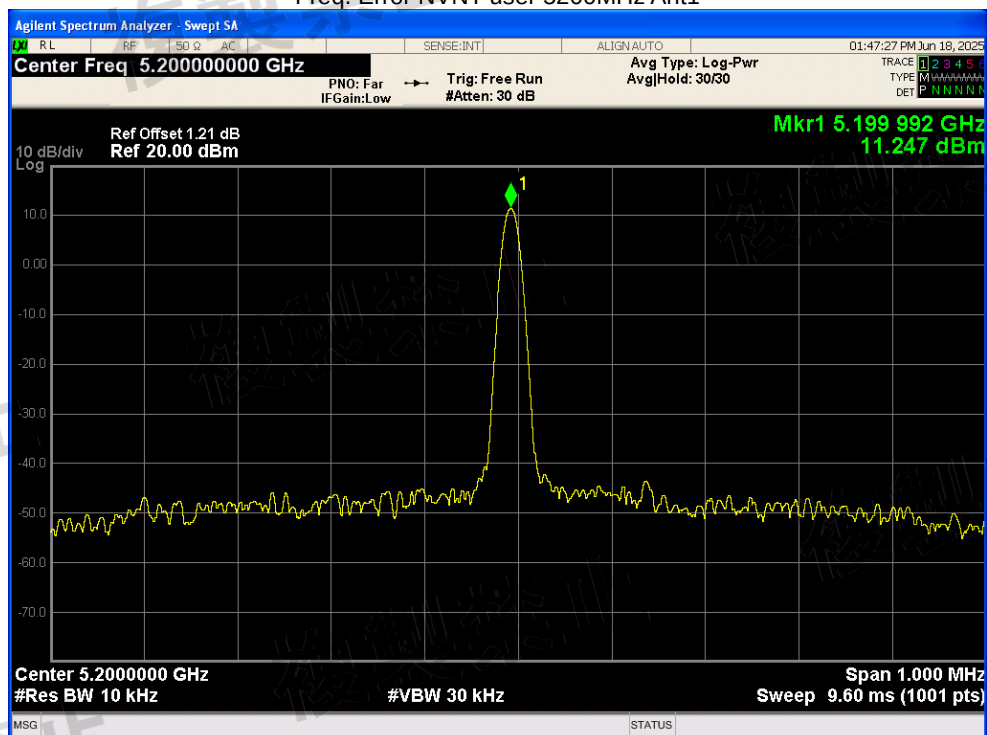
14.8 FREQUENCY ERROR

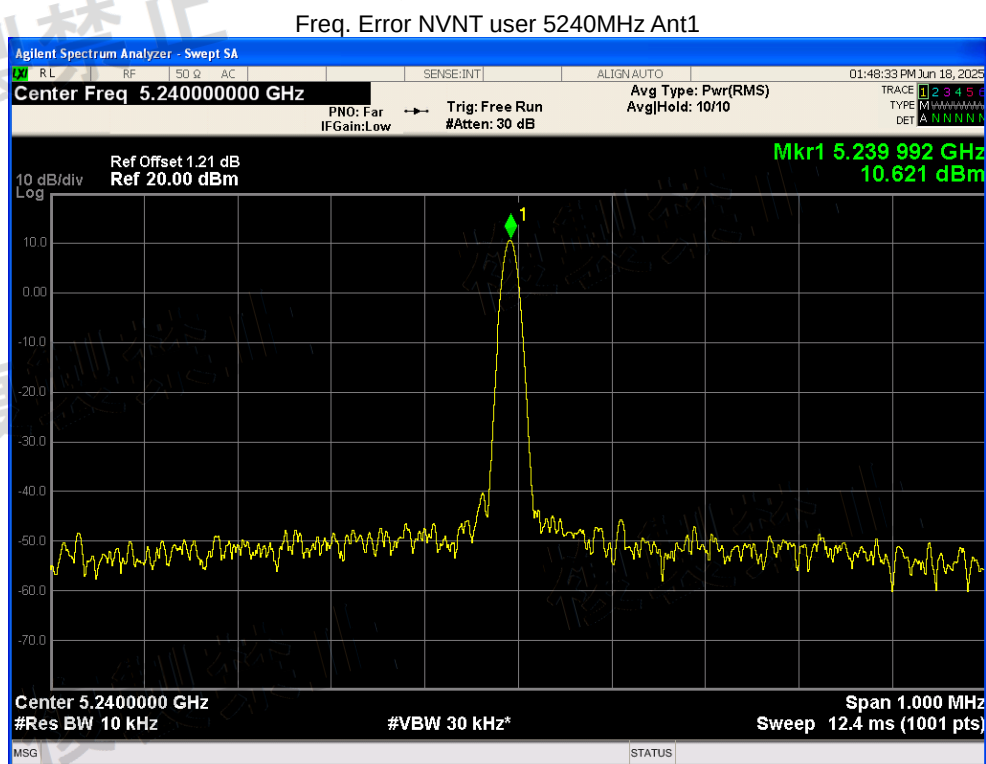
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	Un-modulation	5180	Ant1	5179.993	-1.35	20	Pass
NVNT	Un-modulation	5200	Ant1	5199.992	-1.54	20	Pass
NVNT	Un-modulation	5240	Ant1	5239.992	-1.53	20	Pass

Freq. Error NVNT user 5180MHz Ant1



Freq. Error NVNT user 5200MHz Ant1





END OF REPORT