



Radio Test Report

Article 2, Paragraph 1, Item 19-3

MIC notice 88 Appendix 45

Client Information:

Applicant: Autel Intelligent Technology Corp., Ltd.

Applicant add.: Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili Sub-district, Nanshan District, Shenzhen City, China

Product Information:

Product Name: Intelligent TPMS & Tire Service tool

Model No.: MaxiTPMS ITS600

Serial Model : MaxiTPMS ITS600E, MaxiTPMS ITS600 Pro,
MaxiTPMS ITS600 CV, MaxiTPMS ITS600 CV Pro,
MaxiTPMS ITS600E CV, MaxiTPMS ITS600E CV Pro

Brand Name: AUTEL

Report No.: CTT2026060201R21T-03

Prepared By:

Shenzhen C-link Testing & Technology Co., Ltd.

Add. : No.709, Enhai Building, No.1 Hangkong Road, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Date of Receipt: Jun. 02, 2026

Date of Test: Jun. 02, 2026~ Jun. 25, 2026

Date of Issue: Jun. 25, 2026

Test Result: Pass

This device has been tested and found to comply with the stated standard(s) above, which is (are) applicable only to the tested sample identified in the report.

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen C-link Testing & Technology Co., Ltd. this document may be altered or revised by Shenzhen C-link Testing & Technology Co., Ltd. personal only, and shall be noted in the revision of the document. This test report must not be used by the client to claim product endorsement.

Reviewed by:

Mary Ye



Approved by:

Brown Lu



Table of Contents

Page

1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	9
2.3 TEST CONDITIONS	10
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
2.5 DESCRIPTION OF SUPPORT UNITS	11
2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS	12
3 . RF SHIELDING METHOD	13
4 . TEST RESULT FOR WIFI	14
4.1 FREQUENCY ERROR	14
4.2 LIMIT	14
4.3 MEASURING INSTRUMENTS AND SETTING	14
4.4 TEST PROCEDURES	14
4.5 TEST SETUP LAYOUT	14
5 . OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)	19
5.1 LIMIT	19
5.2 TEST PROCEDURES	19
5.3 TEST SETUP LAYOUT	19
5.4 TEST DEVIATION	19
5.5 EUT OPERATION DURING TEST	19
5.6 TEST RESULT	20
6 . UNWANTED EMISSION STRENGTH MEASUREMENT	30
6.1 LIMIT	30
6.2 MEASURING INSTRUMENTS AND SETTING	30
6.2 . MEASURING INSTRUMENTS AND SETTING	30
6.3 . TEST PROCEDURES	31
6.4 . TEST SETUP LAYOUT	32
6.5 TEST DEVIATION	32



Table of Contents

	Page
6.5 . TEST RESULT	33
7 . ADJACENT CHANNEL EMITTED POWER MEASUREMENT	78
7.1 LIMIT	78
7.2 TEST PROCEDURES	78
7.3 TEST SETUP	79
7.4 TEST DEVIATION	79
7.5 EUT OPERATION DURING TEST	79
8 . RF OUTPUT POWER / TOLERANCE	88
8.1 TEST DEVIATION	88
8.2 EUT OPERATION DURING TEST	88
8.3 TEST PROCEDURES	88
8.4 TEST SETUP	88
8.5 TEST RESULT	89
9 . E.I.R.P MEASUREMENT	104
9.1 LIMIT	104
9.2 TEST PROCEDURES	104
9.3 TEST SETUP LAYOUT	104
9.4 TEST DEVIATION	104
9.5 EUT OPERATION DURING TEST	104
9.6 TEST RESULT OF TRANSMISSION ANTENNA GAIN (EIRP ANTENNA POWER)	104
10 SPURIOUS EMISSIONS FOR RECEIVER	107
10.1 TEST SETUP LAYOUT	107
10.2 TEST DEVIATION	107
10.3 TEST DEVIATION	107
10.4 TEST RESULT OF LIMITATION OF COLLATERAL EMISSION OF RECEIVER	107
11 TRANSMISSION BURST LENGTH MEASUREMENT	123
11.1 MEASURING INSTRUMENTS	123
11.2 TEST PROCEDURES	123
11.3 TEST SETUP	123
11.4 TEST DEVIATION	123
11.5 EUT OPERATION DURING TEST	123
11.6 TEST RESULT OF TRANSMISSION BURST LENGTH	123



Table of Contents

	Page
12. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT	132
12.1 LIMIT	132
12.2 MEASURING ID CODE SOFTWARE	132
12.3 TEST PROCEDURES	132
12.4 TEST SETUP LAYOUT	132
12.5 TEST DEVIATION	132
12.6 EUT OPERATION DURING TEST	132
12.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILIT	132
13 CARRIER SENSE CAPABILITY	133
14. EUT TEST PHOTO	134



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

MIC Notice No.88 Appendix No.45	Description of Test	Result
Article 3	Frequency Tolerance	Complies
Article 4	Occupied Bandwidth	Complies
Article 5	Unwanted Emission Strength	Complies
Article 6	Antenna Power Error	Complies
Article 6	E.I.R.P	Complies
Article 7	Adjacent channel Emitted Power	Complies
Article 8	Out-Band Leakage Power	Complies
Article 9	Secondary Radiated Emission Strength	Complies
Article 10	Transmission Burst Length	Complies
Article 11	Interference Prevention Function	Complies
Article 12	Carrier Sensing Function	Complies
Article 13,14	Dynamic Frequency Selection (DFS)	Not applicable (See Note 1)
Article 49.20.3	Construction Protection Confirmation	Please refer to Japan Radio Protection Declaration

Note:

1. It is unnecessary to testing, when the EUT only operate in W52 band.
2. The antenna gain has been compensated.



1.1 TEST FACILITY

Shenzhen C-link Testing & Technology Co., Ltd.

Add. : No.709, Enhai Building, No.1 Hangkong Road, Sanwei Community, Hangcheng Street, Bao 'an District, Shenzhen, Guangdong, 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	Frequency Error / 99% & 90% Bandwidth	$\pm 0.85 \times 10^{-7}$
2	Antenna Power	± 0.70 dB
3	Spurious Emissions	± 0.80 dB
4	DC / AC Power Source	$\pm 1.4\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Manufacturer:	Autel Intelligent Technology Corp., Ltd. Guangming Branch	
Manufacturer Address:	6th Floor, Electronic Workshop of Building 3, 6th Floor, Machinery Workshop of Building 4, Yanxiang Science and Technology Industrial Park, Gaoxin Road, Dongzhou Community, Guangming Street, Guangming District, Shenzhen City, Guangdong Province, P.R. China	
Equipment	Intelligent TPMS & Tire Service tool	
Model Name	MaxiTPMS ITS600	
Brand Name:	AUTEL	
Derivative model No.:	MaxiTPMS ITS600E, MaxiTPMS ITS600 Pro, MaxiTPMS ITS600 CV, MaxiTPMS ITS600 CV Pro, MaxiTPMS ITS600E CV, MaxiTPMS ITS600E CV Pro	
Model Difference	All the model are the same circuit and RF module, Only the model name and color are different.	
Product Description	The EUT is a Intelligent TPMS & Tire Service tool	
	Operation Frequency:	802.11a/n/ac: 5180.0MHz ~ 5240.0MHz
	Modulation Type:	OFDM
	Number Of Channel	Please see Note 2.
	Antenna Designation:	FPC Antenna
	Antenna Gain (dBi)	0.3dBi
	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.	
Power Supply Range:	INPUT: DC5V DC 3.8V from battery	
Battery:	Model No.:PT2011 3.8VDC, 5000mAh/19Wh	
Adapter:	MODEL: GME10C-050200FUu Input:100-240V~ 50-60Hz 0.28A Output:5VDC 2A	
Hard Ware Version:	DV2411_MAIN_V2	
Soft Ware Version:	V01.30.00	



Note:

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

802.11a & 802.11n & 802.11ac (20MHz):

2.

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

802.11n & 802.11ac (40MHz):

Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230				

802.11ac (80MHz):

Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210						



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	802.11a /n(20) /ac (20): CH36/ CH40/ CH 48,
Mode 2	802.11n(40)/ac(40): CH 38/ CH 46
Mode 3	802.11ac(80) : CH 42

Final Test Mode	Description
Mode 1	802.11a /n(20) /ac (20): CH36/ CH40/ CH 48,
Mode 2	802.11n(40)/ac(40): CH 38/ CH 46
Mode 3	802.11ac(80) : CH 42

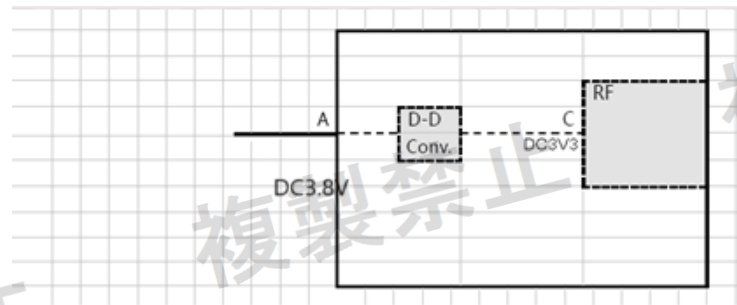
2.3 TEST CONDITIONS

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

Power supply:

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$).

So, all measurements were conducted at only rated voltage DC 3.8V.



Test below:

1: The fluctuation of C point is under $\pm 1\%$, when input voltage from A point to the test equipment is fluctuated by $\pm 10\%$.

The measurement result of the voltage fluctuation at RF circuit when DC 3.8V $\pm 10\%$

DC 3.8V	DC3V3
3.8V	3.33V
4.2V	3.33V
3.5V	3.33V

Pre-test the EUT in all voltage mode at the DC 4.2V, DC 3.8V and DC3.5V and conducted to determine the worst-case mode, only the worst-case results (DC 3.8V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$).

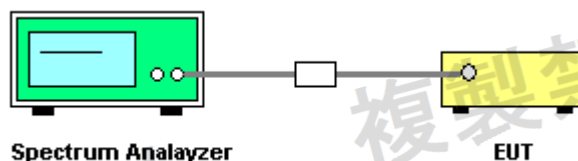
So, all measurements were conducted at only rated voltage DC 3.8V.

Temperature: 25.0 °C

Humidity: 75 % RH

Atmospheric Pressure: 1013 mbar

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





2.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Intelligent TPMS & Tire Service tool	AUTEL	MaxiTPMS ITS600	N/A	EUT

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	Signal cord
1	Computer	Lenovo	N/A	TP00076A	N/A	N/A	N/A
2	USB TO TTL	MH	N/A	MH	N/A	N/A	N/A
3	USB Line	UGREEN	N/A	USB3.0	N/A	N/A	N/A

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

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date	Cal. Lab
1	SIGNAL Analyzer	Keysight	N9020A	MY53300466	2026.01.16	2027.01.15	Guangdong Zhongzhun Testing Co.,Ltd
2	RF Automatic Test System	MWRFTest	MV1 00-RFCB	/	2026.01.16	2027.01.15	

Remark:

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

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

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

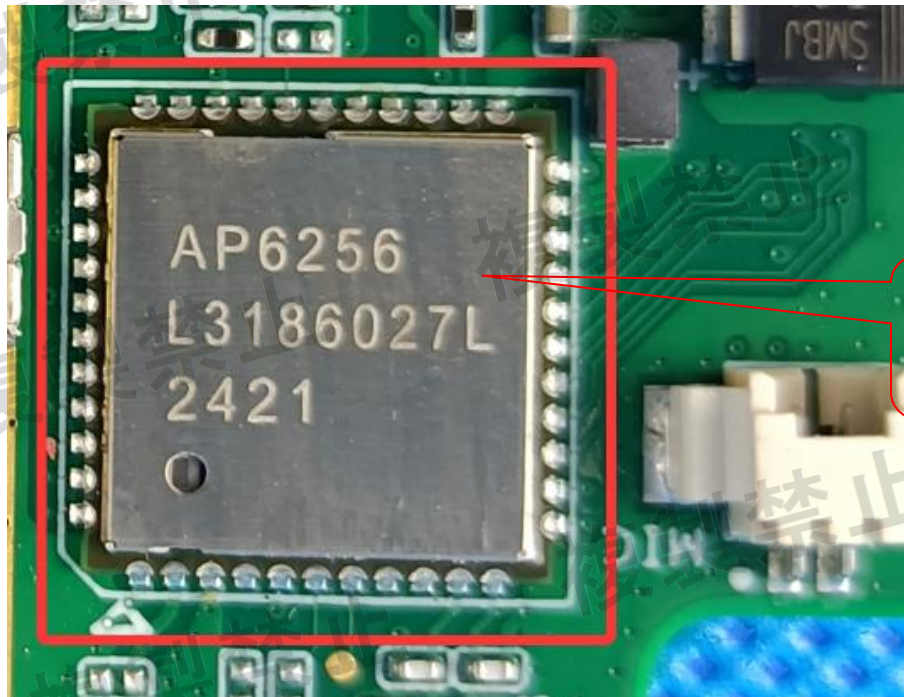
(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (C)

From JRL Article 24-2, paragraph 4, Item 2

Note : The testing equipment is calibrated using the C method.

3. RF SHIELDING METHOD

We apply the product for Japan RF certification. We use covered by soldered metal caps for preventing end- user to access RF parts easily. The shielded can only be opened by forced, which will result in damaging the case. Please refer to following for photo for details.



Covered by
soldered
metal caps



4. TEST RESULT FOR WIFI

4.1 FREQUENCY ERROR

4.2 LIMIT

Item	Limits
Frequency Error	+/-20ppm

4.3 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

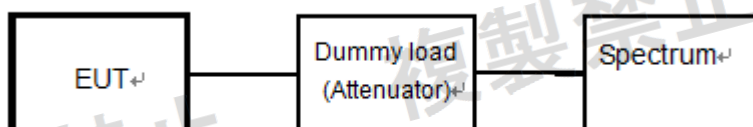
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.4 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.

4.5 TEST SETUP LAYOUT



4.1.5. EUT OPERATION DURING TEST

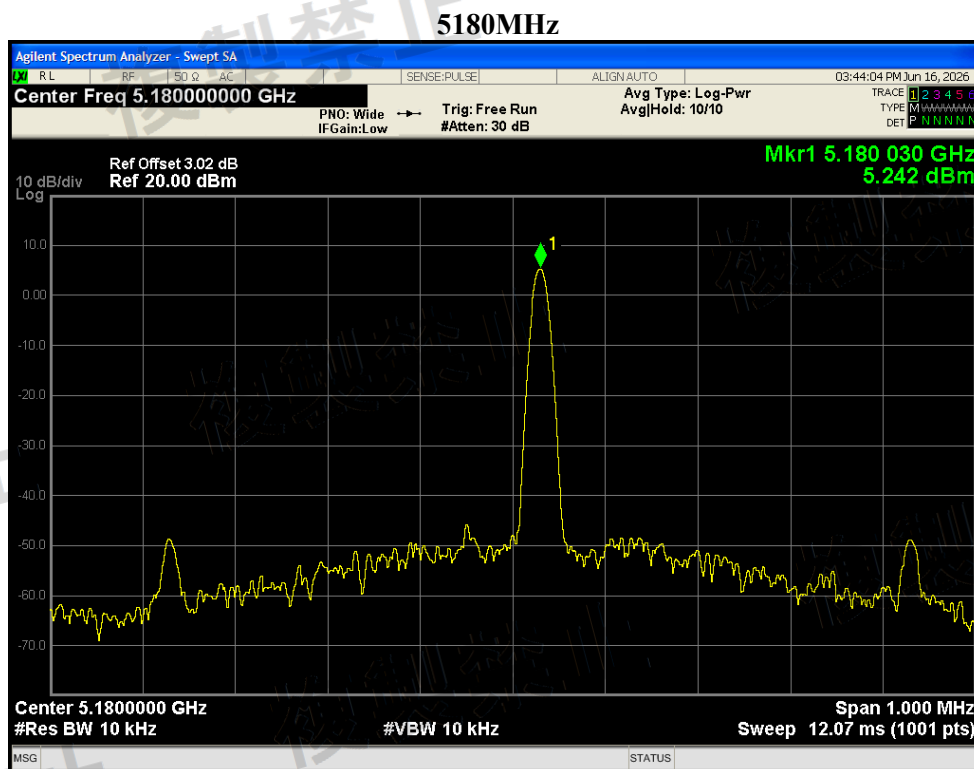
The EUT was placed on the test table and programmed in un-modulation function.



4.5.1 TEST RESULT

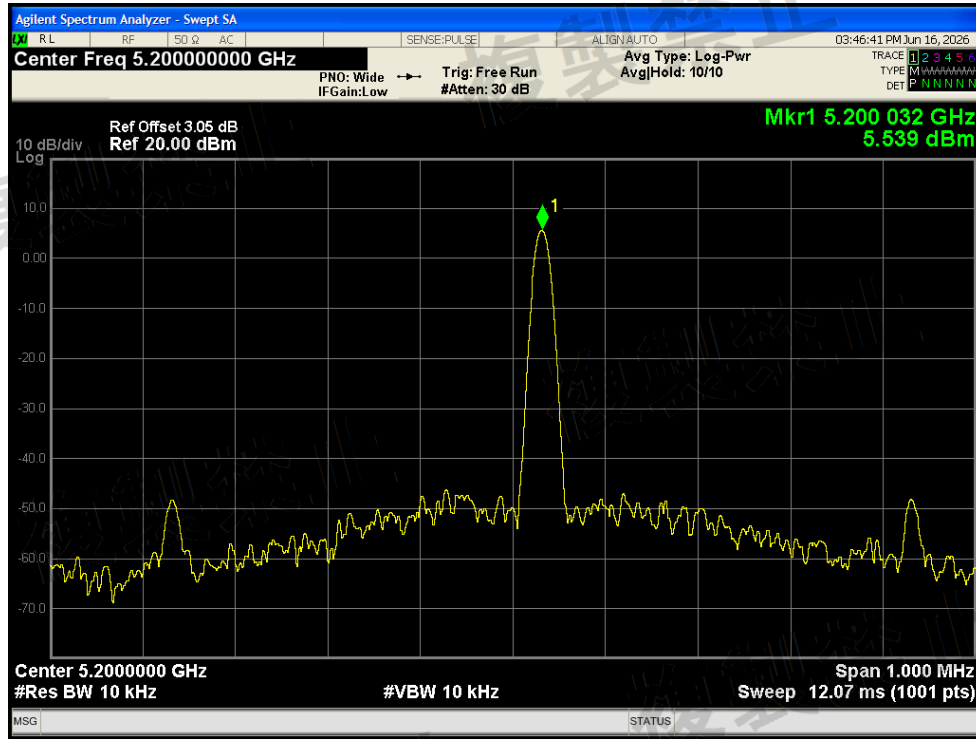
EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

Test Voltage	Test Frequency (MHz)	Measured Frequency (MHz)	Frequency Error(ppm)	Limit (ppm)	P/F
Normal Voltage	5180	5180.030	+5.79	+/-20	PASS
	5200	5200.032	+6.15	+/-20	PASS
	5240	5240.032	+6.11	+/-20	PASS
	5190	5190.032	+6.17	+/-20	PASS
	5230	5230.032	+6.12	+/-20	PASS
	5210	5210.032	+6.14	+/-20	PASS

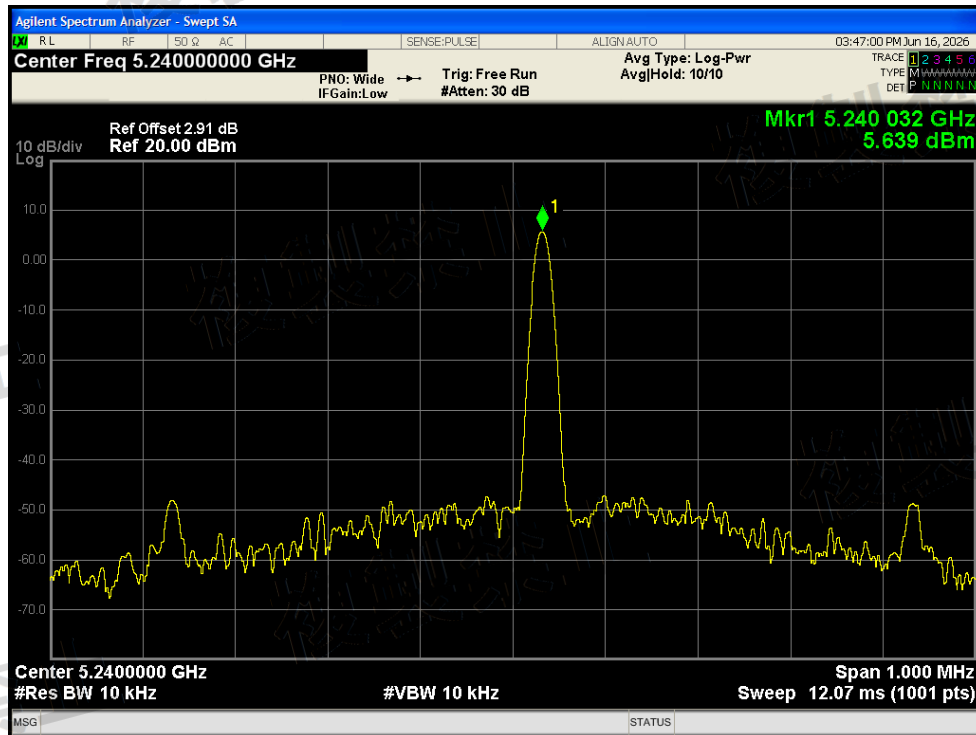




5200MHz

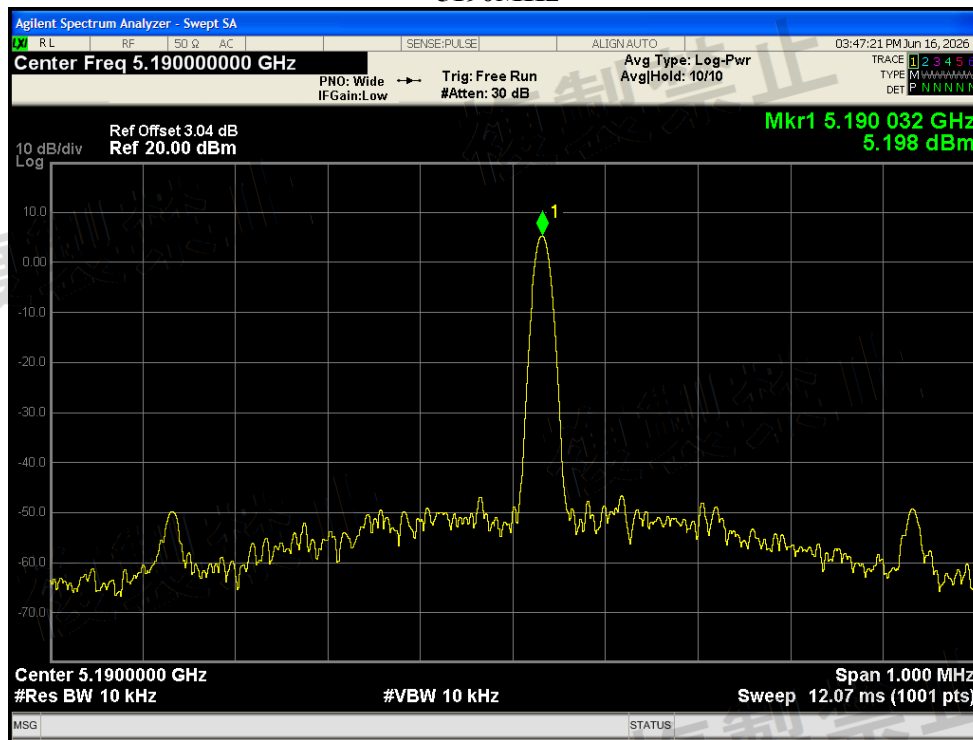


5240MHz

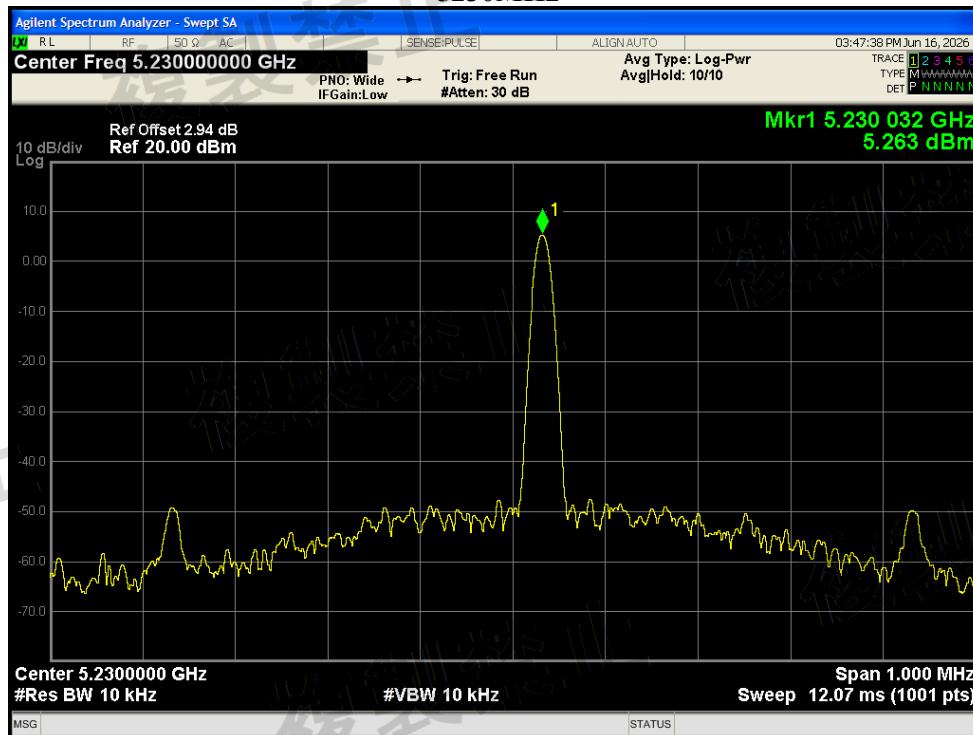


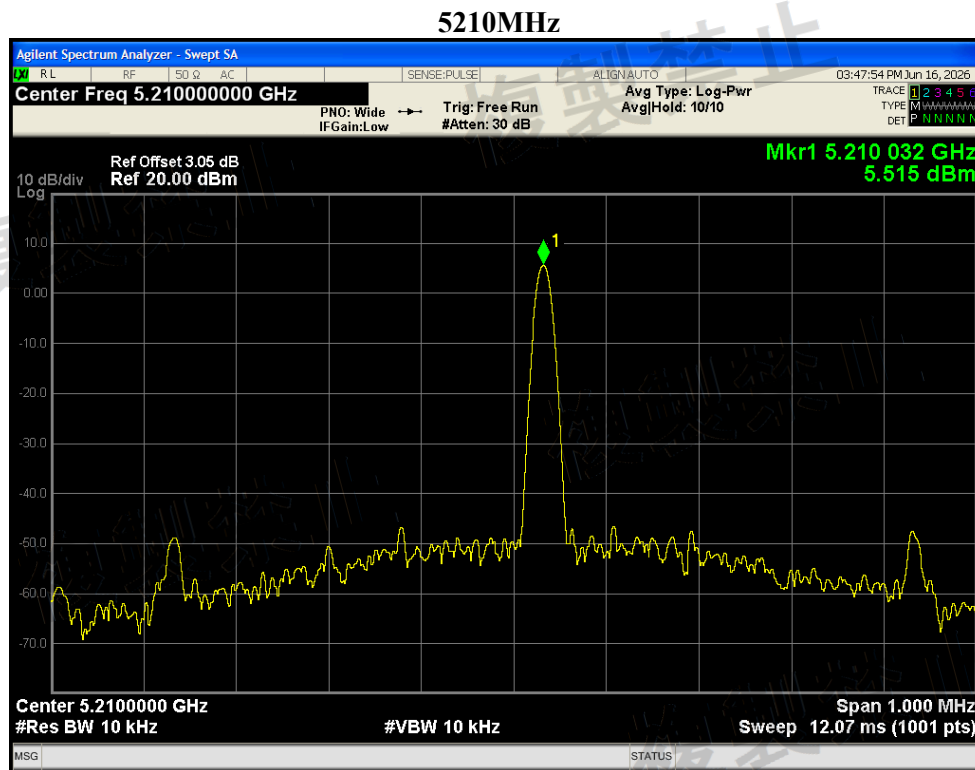


5190MHz



5230MHz





5. OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

5.1 LIMIT

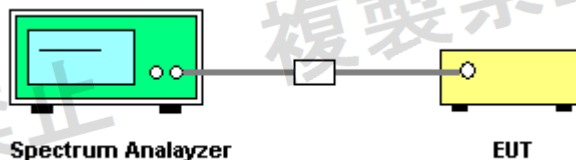
Test Item	Limits
Occupied Bandwidth	≤ 20 MHz (20MHz System for OFDM) ≤ 40 MHz (40MHz System for OFDM) ≤ 80 MHz (80MHz System for OFDM) ≤ 160 MHz (160MHz System for OFDM)

5.2 TEST PROCEDURES

The device under test is connected to the spectrum analyzer through a radio frequency cable and the settings are as follows:

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. SA set to 99% of occupied bandwidth to measure occupied bandwidth.
3. Resolution bandwidth: Limited to 3% or less of the allowable value specified in equipment regulations.
4. Video bandwidth: Comparable to the resolution bandwidth.
5. Span: Spanning from approximately twice to 3.5 times the allowable value as per equipment regulations.
6. ATT: 30dB /Ref:20dBm (actual sample power adjustment is for reference only)
7. Sweep time = The minimum duration ensuring measurement accuracy, accounting for burst wave scenarios where at least one burst occurs per sample. / Sweep Mode: Continuous sweep
8. Detect mode=Positive peak
9. Trace mode=Max hold
10. Record the result for Occupied Bandwidth Measurements in report..

5.3 TEST SETUP LAYOUT



5.4 TEST DEVIATION

There is no deviation with the original standard.

5.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

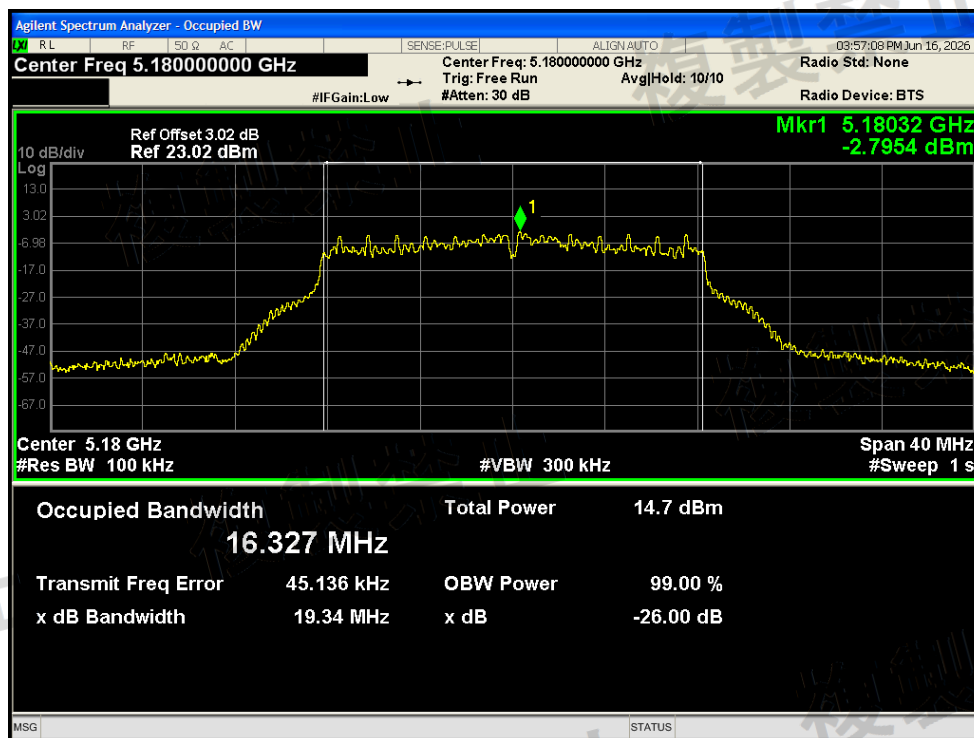


5.6 TEST RESULT

EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-a mode		

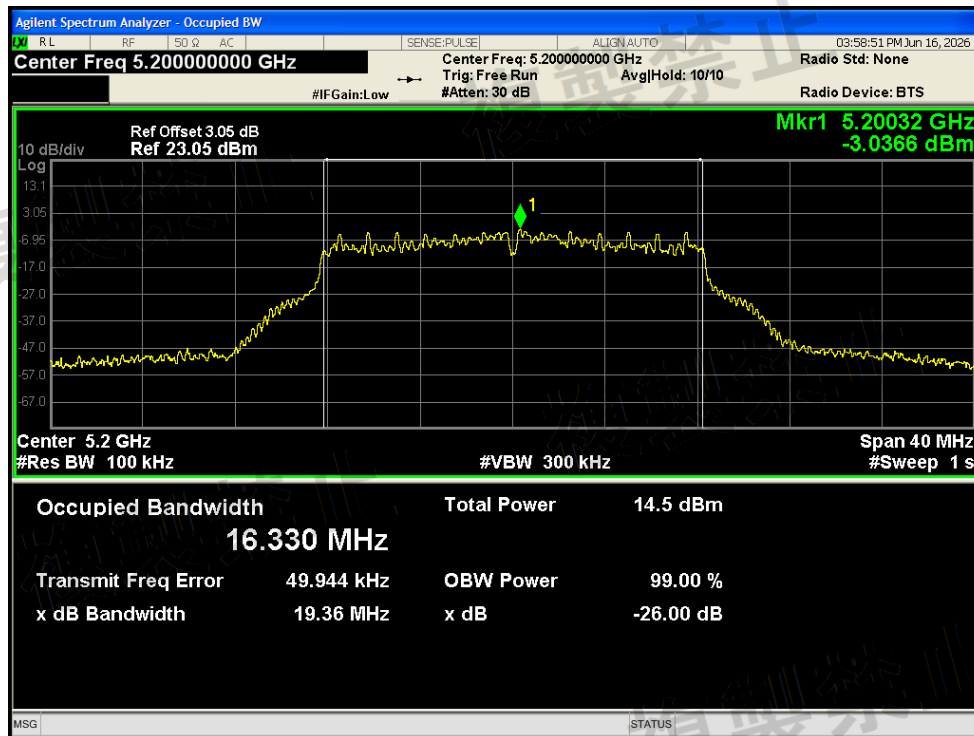
Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5180	16.327
	5200	16.330
	5240	16.331

CH36-Occupied Bandwidth (99%)-a Mode

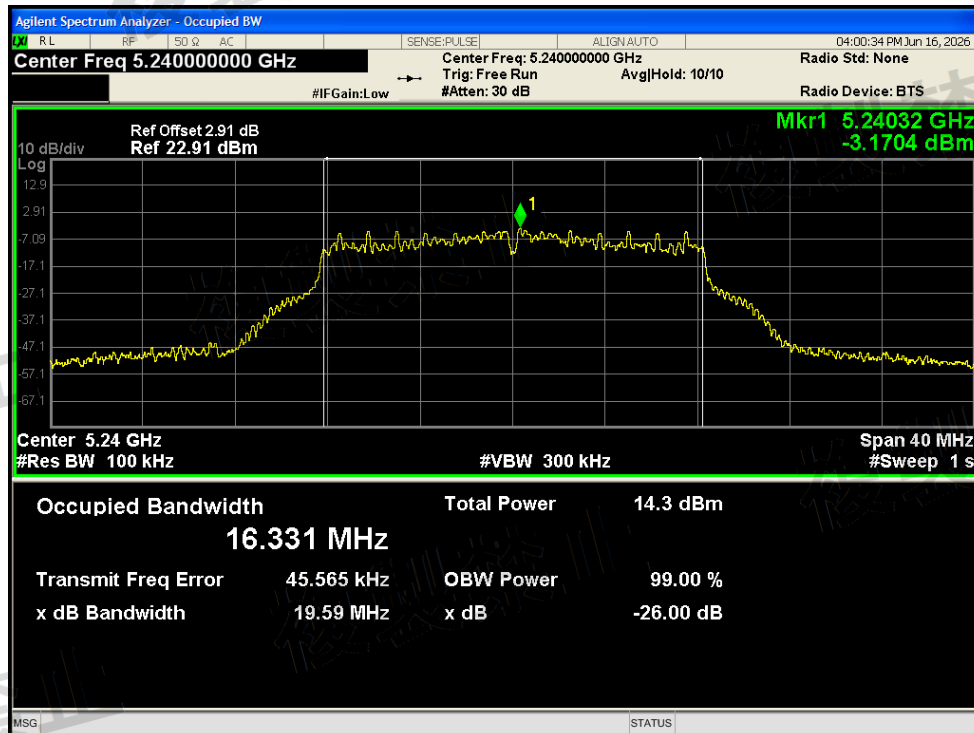




CH40-Occupied Bandwidth (99%)-a Mode



CH48-Occupied Bandwidth (99%)-a Mode

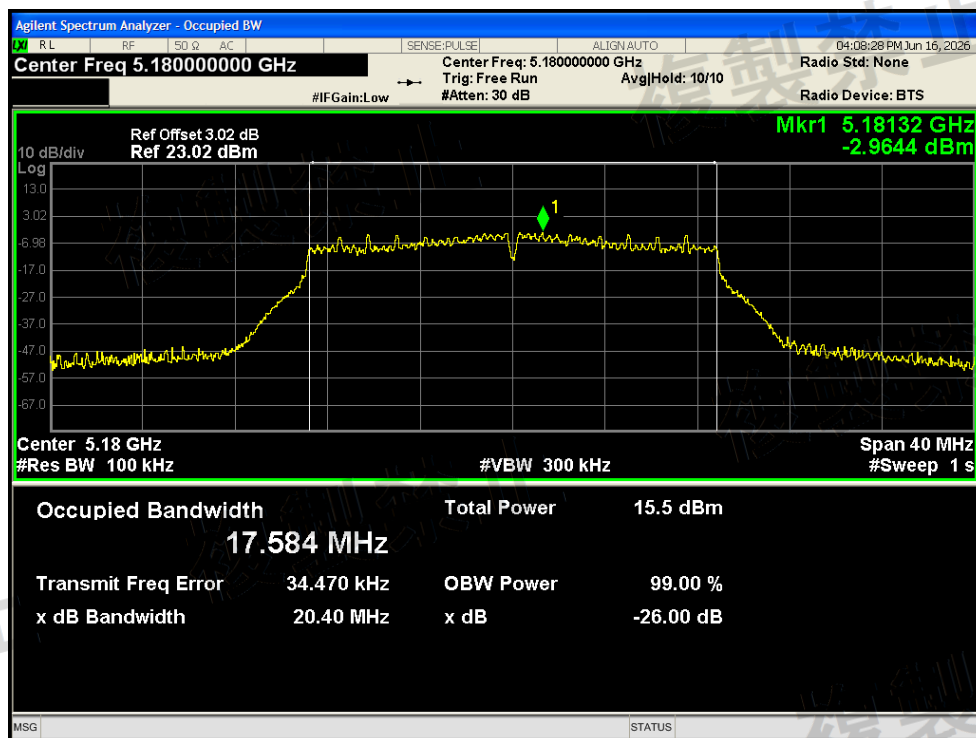




EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-n mode(20MHz)		

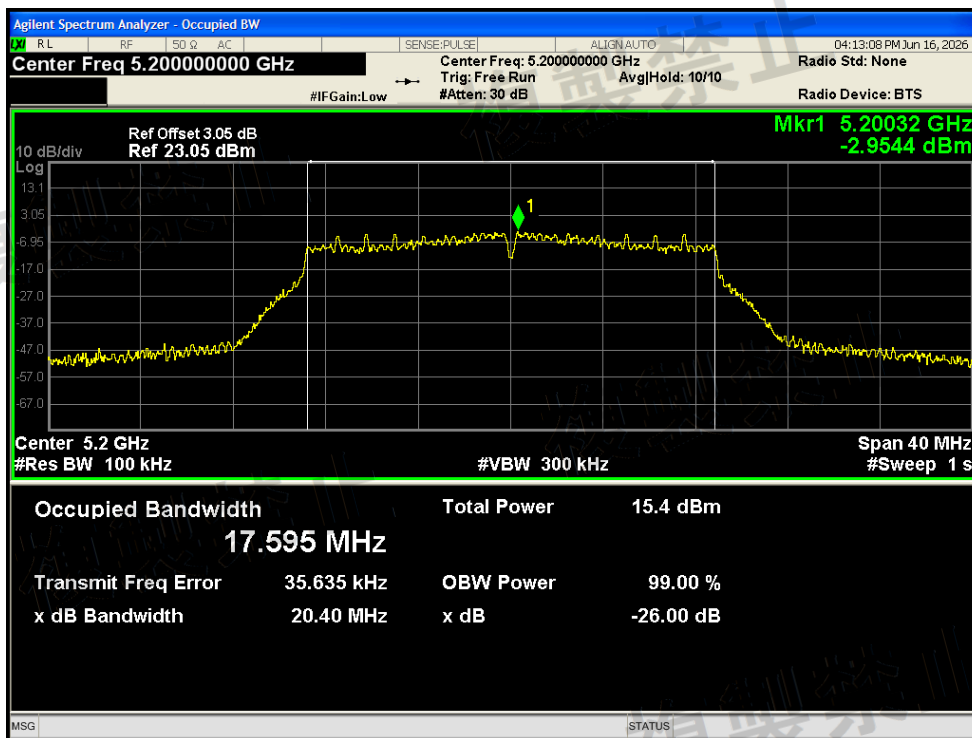
Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5180	17.584
	5200	17.595
	5240	17.591

CH36-Occupied Bandwidth (99%)-n(20) Mode

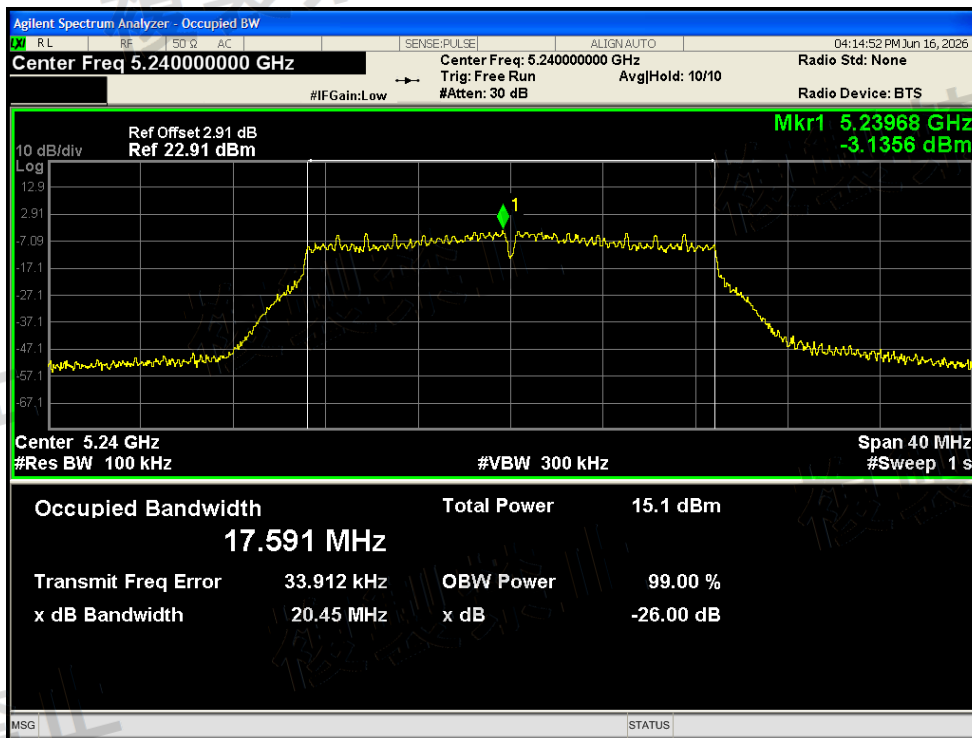




CH40-Occupied Bandwidth (99%)-n(20) Mode



CH48-Occupied Bandwidth (99%)-n(20) Mode

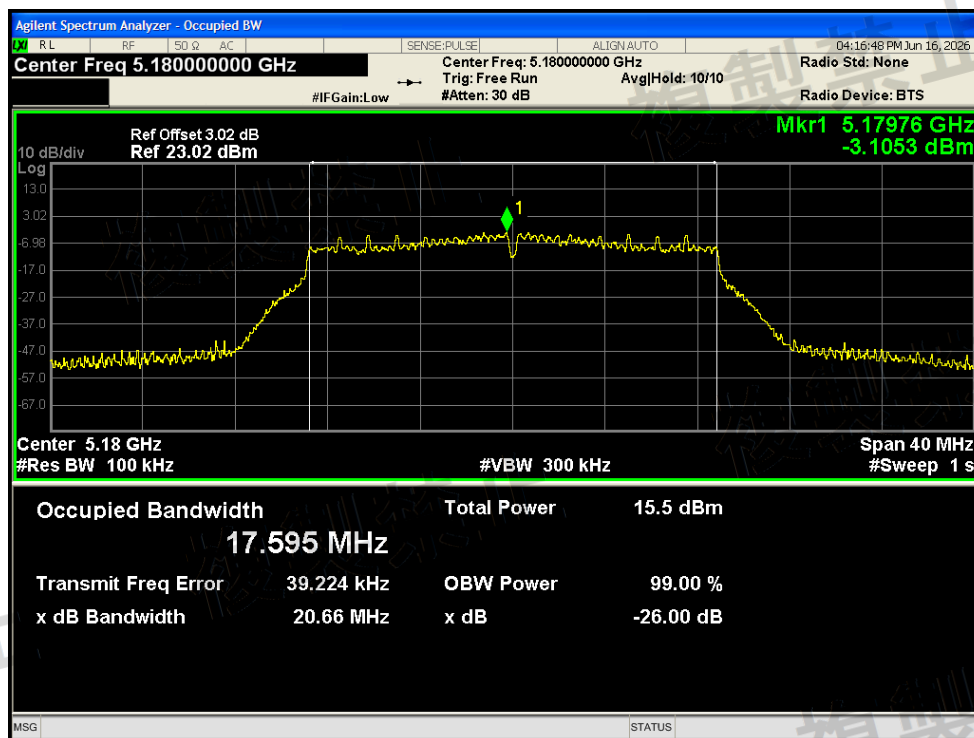




EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage- ac mode(20MHz)		

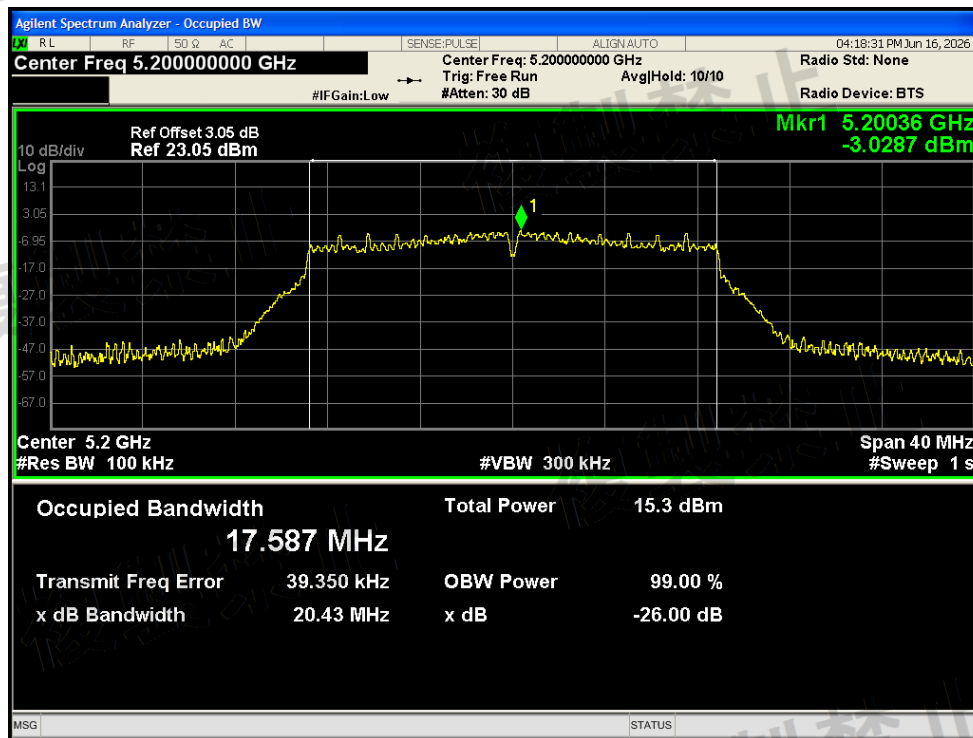
Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5180	17.595
	5200	17.587
	5240	17.587

CH36-Occupied Bandwidth (99%)-ac(20) Mode

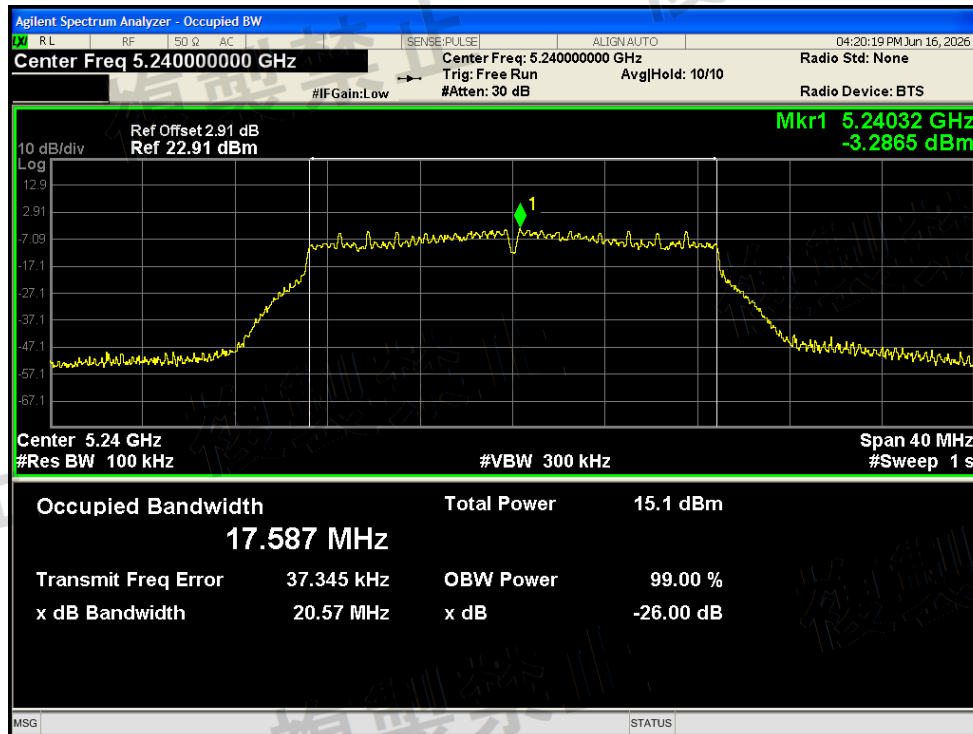




CH40-Occupied Bandwidth (99%)-ac(20) Mode



CH48-Occupied Bandwidth (99%)-ac(20) Mode

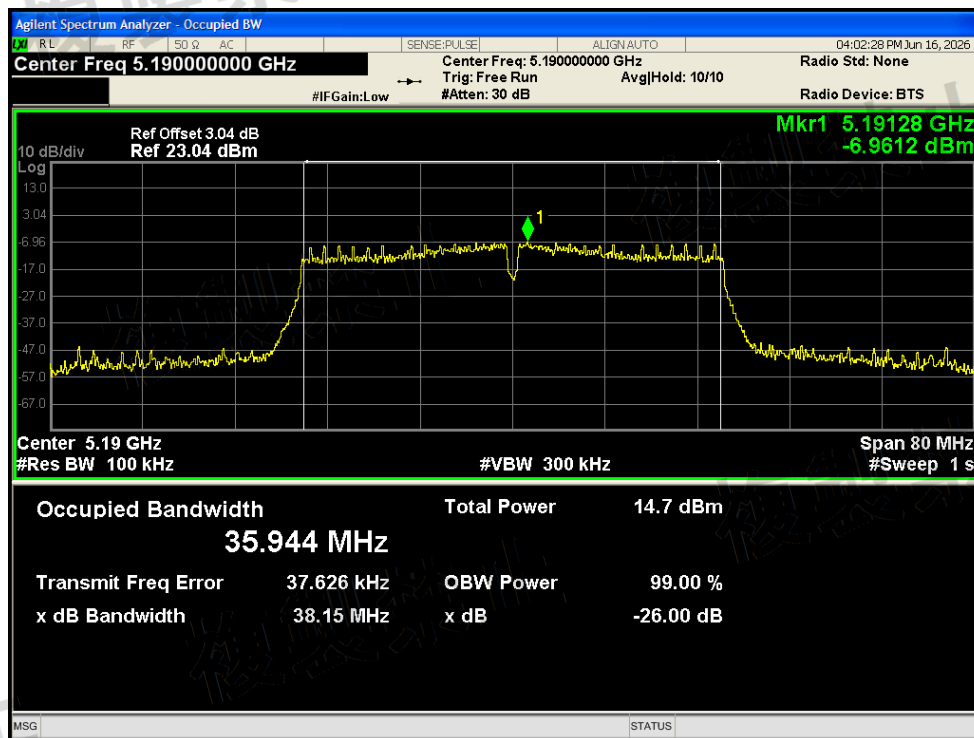




EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-n(40MHz) mode		

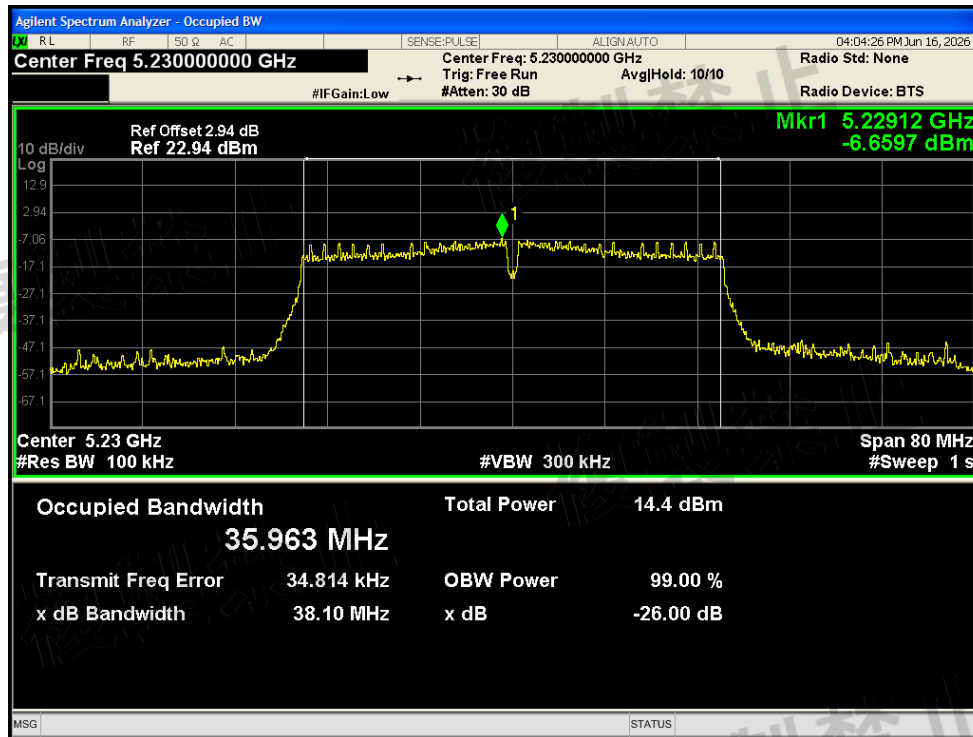
Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5190	35.944
	5230	35.963

CH38-Occupied Bandwidth (99%)-n(40) Mode





CH46-Occupied Bandwidth (99%)-n(40) Mode

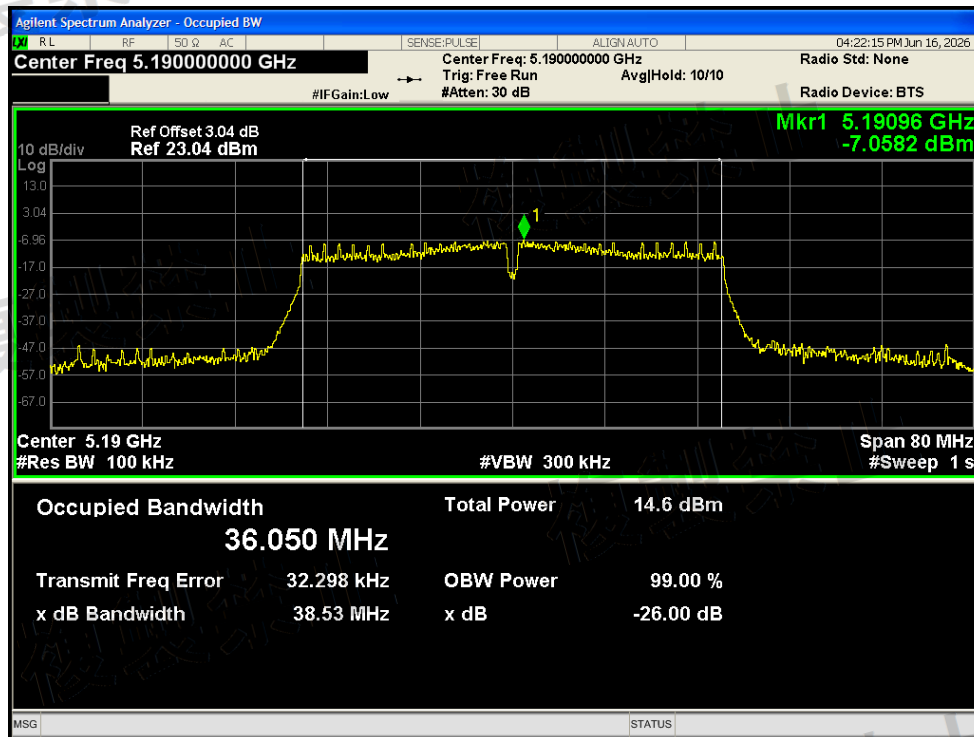


EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-ac(40MHz) mode		

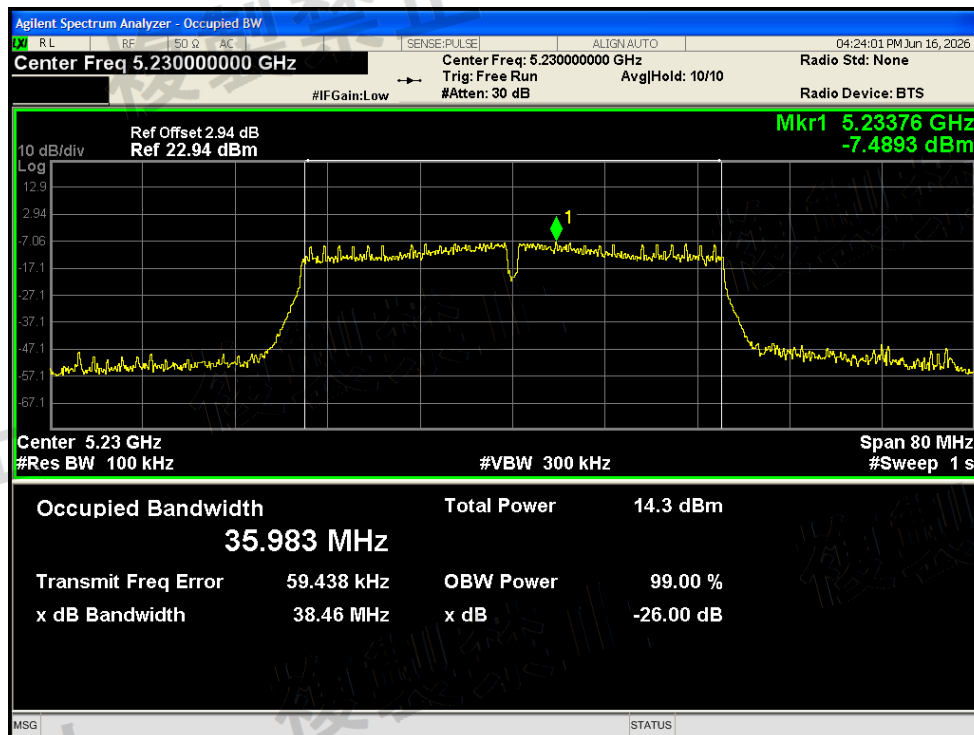
Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5190	36.050
	5230	35.983



CH38-Occupied Bandwidth (99%)-ac(40) Mode



CH46-Occupied Bandwidth (99%)-n(40) Mode

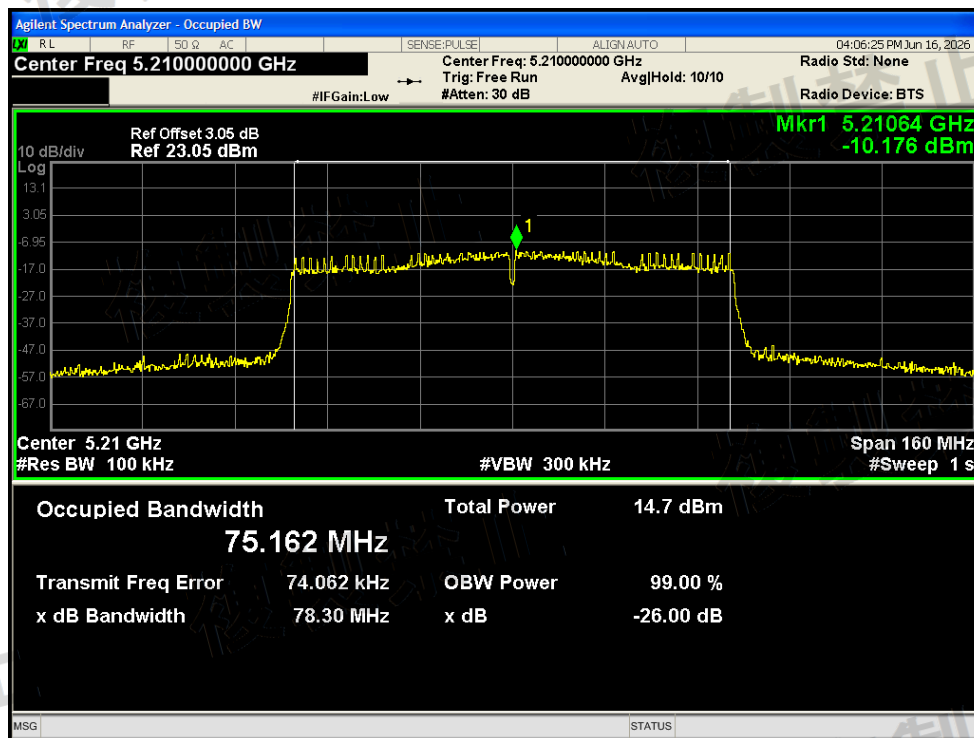




EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-ac mode(80MHz)		

Test Voltage	Test Frequency (MHz)	Occupied Bandwidth(MHz)
Normal Voltage	5210	75.162

CH38-Occupied Bandwidth (99%)-ac(80) Mode





6. UNWANTED EMISSION STRENGTH MEASUREMENT

6.1 LIMIT

20MHz System	
OBW: 18MHz or less	OBW: 18-20 MHz
5142MHz or less: 2.5 μ W/MHz	5142MHz or less: 2.5 μ W/MHz
5142 - 5150MHz: 15 μ W/MHz	5142 - 5150MHz: 15 μ W/MHz
--	5250 – 5250.2MHz: 10 ^{1-(8/3)(f-9.75)} mW/MHz
5250 - 5251MHz: 10 ^{1-(f-9)} mW/MHz	5250.2 - 5251MHz: 10 ^{1-(f-9)} mW/MHz
5251 - 5260MHz: 10 ^{1-(8/90)(f-11)} mW/MHz	5251 - 5260MHz: 10 ^{1-(8/90)(f-11)} mW/MHz
5260 - 5266.7MHz: 10 ^{1-1.8-(6/50)(f-20)} mW/MHz	5260 - 5266.7MHz: 10 ^{1-1.8-(6/50)(f-20)} mW/MHz
5266.7MHz or more: 2.5 μ W/MHz	5266.7MHz or more: 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	

40MHz System	80MHz System
5141.6MHz or less: 2.5 μ W/MHz	5123.2MHz or less: 2.5 μ W/MHz
5141.6 - 5150MHz: 15 μ W/MHz	5123.2 - 5150MHz: 15 μ W/MHz
5250 - 5251MHz: 10 ^{1-(f-20)+log(1/2)} mW/MHz	5250 - 5251MHz: 10 ^{1-(f-40)+log(1/4)} mW/MHz
5251 - 5270MHz: 10 ^{1-(8/190)(f-21)-1+log(1/2)} mW/MHz	5251 - 5290MHz: 10 ^{1-(8/390)(f-41)-1+log(1/4)} mW/MHz
5270 – 5278.4MHz: 10 ^{1-(3/50)(f-40)-1.8+log(1/2)} mW/MHz	5290 – 5296.7MHz: 10 ^{1-(3/100)(f-80)-1.8+log(1/4)} mW/MHz
5278.4MHz or more: 2.5 μ W/MHz	5296.7MHz or more: 2.5 μ W/MHz
f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

6.2 MEASURING INSTRUMENTS AND SETTING

Please refer to section 3.6 in this report. The following table is the setting of Spectrum Analyzer.

6.2. MEASURING INSTRUMENTS AND SETTING

Please refer to section 3.6 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	Below 1GHz: 1MHz Above 1Ghz: 1MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto



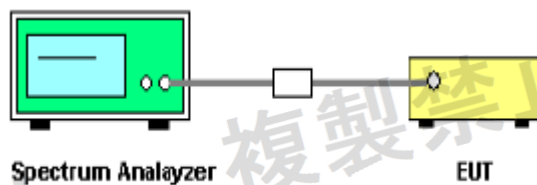
6.3. TEST PROCEDURES

1. UT have transmitted the maximum modulation signal and fixed channelize.
2. Sweep frequency range: From 30MHz to 26GHz
 - Exclude the following frequency ranges from the sweep frequency range:
 - Occupied bandwidth $\leq 18\text{MHz}$:
 - 5.2GHz band: From 5,140MHz to 5,360MHz
 - 5.3GHz band: From 5,140MHz to 5,360MHz
 - 5.6GHz band: From 5,460MHz to 5,740MHz
 - Occupied bandwidth $> 18\text{MHz}$ and $\leq 19\text{MHz}$:
 - 5.2GHz band: From 5,135MHz to 5,365MHz
 - 5.3GHz band: From 5,135MHz to 5,365MHz
 - 5.6GHz band: From 5,455MHz to 5,745MHz
 - Occupied bandwidth $> 19\text{MHz}$ and $\leq 38\text{MHz}$:
 - 5.2GHz band: From 5,100MHz to 5,400MHz
 - 5.3GHz band: From 5,100MHz to 5,400MHz
 - 5.6GHz band: From 5,420MHz to 5,760MHz
 - Occupied bandwidth $> 38\text{MHz}$ and $\leq 78\text{MHz}$:
 - 5.2GHz band: From 5,020MHz to 5,480MHz
 - 5.3GHz band: From 5,020MHz to 5,480MHz
 - 5.6GHz band: From 5,340MHz to 5,800MHz
 - Occupied bandwidth $> 78\text{MHz}$:
 - 5.2GHz band: From 4,916MHz to 5,584MHz
 - 5.3GHz band: From 4,916MHz to 5,584MHz
 - 5.6GHz band: From 5,236MHz to 5,904MHz
3. Resolution bandwidth: 1MHz; Video bandwidth: Comparable to the resolution bandwidth
4. Y-axis scale: 10dB/Div; Input level: Set to achieve maximum dynamic range
5. Sweep time: Minimum time ensuring measurement accuracy (For burst waves, it can be determined as "(Sweep frequency range (MHz) / Resolution bandwidth (MHz)) $\times$ Burst period (s)")
6. Data points: 400 points or more; Sweep mode: Single sweep; Detection mode: Positive peak
7. The cable loss and antenna gain had been edited in the "Input Correction" of the Spectrum Analyzer. In case of MIMO mode, the $10 \cdot \log(N)$ also had been edited in the "Input Correction" of the Spectrum Analyzer. N is the number of transmit antenna.
8. Convert from dBm to μW : $P(\mu\text{W}) = 1000 \cdot 10^{[P(\text{dBm})/10]}$

When configuring the spectrum analyzer for unwanted emission amplitude measurement, follow these settings:

 - a. Center frequency: Unwanted emission frequency (the frequency being investigated); Span: 0Hz
 - b. Sweep time: Minimum time ensuring measurement accuracy (For burst waves, it should be at least the duration of one burst)
 - c. Data points: 400 points or more; Sweep mode: Single sweep;

6.4. TEST SETUP LAYOUT



6.5 TEST DEVIATION

There is no deviation with the original standard.

**6.5. TEST RESULT**

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Max Value (uW/MHz)	Limit Start(uW/MHz)	Limit Stop (uW/MHz)	Verdict
NVNT	a	5180	Ant1	30-5142	3158.54	-43.78	0.0419	2.5	2.5	Pass
NVNT	a	5180	Ant1	5142-5150	5143.97	-45.47	0.0284	15	15	Pass
NVNT	a	5180	Ant1	5250-5251	5250.94	-46.41	0.0229	1000	100	Pass
NVNT	a	5180	Ant1	5251-5260	5253.91	-27.44	1.803	100	15.85	Pass
NVNT	a	5180	Ant1	5260-5266.7	5261.19	-47.29	0.0187	15.85	2.49	Pass
NVNT	a	5180	Ant1	5266.7-26000	26000	-33.32	0.4656	2.5	2.5	Pass
NVNT	a	5200	Ant1	30-5142	3306.79	-43.53	0.0444	2.5	2.5	Pass
NVNT	a	5200	Ant1	5142-5150	5148.06	-45.86	0.0259	15	15	Pass
NVNT	a	5200	Ant1	5250-5251	5250.67	-45.78	0.0264	1000	100	Pass
NVNT	a	5200	Ant1	5251-5260	5259.17	-45.8	0.0263	100	15.85	Pass
NVNT	a	5200	Ant1	5260-5266.7	5261.12	-45.94	0.0255	15.85	2.49	Pass
NVNT	a	5200	Ant1	5266.7-26000	25979.27	-33.63	0.4335	2.5	2.5	Pass
NVNT	a	5240	Ant1	30-5142	3260.78	-44.05	0.0394	2.5	2.5	Pass
NVNT	a	5240	Ant1	5142-5150	5146	-46.98	0.02	15	15	Pass
NVNT	a	5240	Ant1	5250-5251	5250.02	-14.71	33.8065	1000	100	Pass
NVNT	a	5240	Ant1	5251-5260	5251.03	-21.07	7.8163	100	15.85	Pass
NVNT	a	5240	Ant1	5260-5266.7	5260.29	-40.64	0.0863	15.85	2.49	Pass
NVNT	a	5240	Ant1	5266.7-26000	25958.53	-34.43	0.3606	2.5	2.5	Pass
NVNT	n20	5180	Ant1	30-5142	5136.89	-44.01	0.0397	2.5	2.5	Pass
NVNT	n20	5180	Ant1	5142-5150	5148.75	-36.42	0.228	15	15	Pass
NVNT	n20	5180	Ant1	5250-5251	5250.01	-46.4	0.0229	1000	100	Pass
NVNT	n20	5180	Ant1	5251-5260	5252.67	-46.87	0.0206	100	15.85	Pass
NVNT	n20	5180	Ant1	5260-5266.7	5266.65	-46.94	0.0202	15.85	2.49	Pass
NVNT	n20	5180	Ant1	5266.7-26000	26000	-34.54	0.3516	2.5	2.5	Pass
NVNT	n20	5200	Ant1	30-5142	2688.24	-43.74	0.0423	2.5	2.5	Pass
NVNT	n20	5200	Ant1	5142-5150	5142.48	-45.58	0.0277	15	15	Pass
NVNT	n20	5200	Ant1	5250-5251	5250.09	-45.5	0.0282	1000	100	Pass
NVNT	n20	5200	Ant1	5251-5260	5254.4	-46.36	0.0231	100	15.85	Pass
NVNT	n20	5200	Ant1	5260-5266.7	5265.29	-47.09	0.0195	15.85	2.49	Pass
NVNT	n20	5200	Ant1	5266.7-26000	25979.27	-33.65	0.4315	2.5	2.5	Pass
NVNT	n20	5240	Ant1	30-5142	3419.26	-44.33	0.0369	2.5	2.5	Pass
NVNT	n20	5240	Ant1	5142-5150	5142.42	-46.53	0.0222	15	15	Pass
NVNT	n20	5240	Ant1	5250-5251	5250.12	-9.85	103.5142	1000	100	Pass



NVNT	n20	5240	Ant1	5251-5260	5251.22	-20.78	8.356	100	15.85	Pass
NVNT	n20	5240	Ant1	5260-5266.7	5262.55	-37.07	0.1963	15.85	2.49	Pass
NVNT	n20	5240	Ant1	5266.7-26000	26000	-34.32	0.3698	2.5	2.5	Pass
NVNT	n40	5190	Ant1	30-5141.6	2478.46	-36.77	0.2104	2.5	2.5	Pass
NVNT	n40	5190	Ant1	5141.6-5150	5145.32	-40.64	0.0863	15	15	Pass
NVNT	n40	5190	Ant1	5250-5251	5250.68	-45.48	0.0283	500	50	Pass
NVNT	n40	5190	Ant1	5251-5270	5253.26	-46	0.0251	50	7.92	Pass
NVNT	n40	5190	Ant1	5270-5278.4	5278.03	-46.27	0.0236	7.92	2.48	Pass
NVNT	n40	5190	Ant1	5278.4-26000	25564.85	-33.52	0.4446	2.5	2.5	Pass
NVNT	n40	5230	Ant1	30-5141.6	2672.7	-43.93	0.0405	2.5	2.5	Pass
NVNT	n40	5230	Ant1	5141.6-5150	5145.3	-46.15	0.0243	15	15	Pass
NVNT	n40	5230	Ant1	5250-5251	5250.06	-22.88	5.1523	500	50	Pass
NVNT	n40	5230	Ant1	5251-5270	5251.3	-30.52	0.8872	50	7.92	Pass
NVNT	n40	5230	Ant1	5270-5278.4	5271.8	-42.09	0.0618	7.92	2.48	Pass
NVNT	n40	5230	Ant1	5278.4-26000	24383.72	-34.14	0.3855	2.5	2.5	Pass
NVNT	ac20	5180	Ant1	30-5142	5142	-40.34	0.0925	2.5	2.5	Pass
NVNT	ac20	5180	Ant1	5142-5150	5149.18	-37.48	0.1786	15	15	Pass
NVNT	ac20	5180	Ant1	5250-5251	5250.14	-46	0.0251	1000	100	Pass
NVNT	ac20	5180	Ant1	5251-5260	5252.89	-46.59	0.0219	100	15.85	Pass
NVNT	ac20	5180	Ant1	5260-5266.7	5265.09	-46.95	0.0202	15.85	2.49	Pass
NVNT	ac20	5180	Ant1	5266.7-26000	24984.07	-33.92	0.4055	2.5	2.5	Pass
NVNT	ac20	5200	Ant1	30-5142	3311.9	-43.97	0.0401	2.5	2.5	Pass
NVNT	ac20	5200	Ant1	5142-5150	5145.22	-44.37	0.0366	15	15	Pass
NVNT	ac20	5200	Ant1	5250-5251	5250.52	-46.32	0.0233	1000	100	Pass
NVNT	ac20	5200	Ant1	5251-5260	5252.01	-45.65	0.0272	100	15.85	Pass
NVNT	ac20	5200	Ant1	5260-5266.7	5262.86	-47.1	0.0195	15.85	2.49	Pass
NVNT	ac20	5200	Ant1	5266.7-26000	26000	-33.77	0.4198	2.5	2.5	Pass
NVNT	ac20	5240	Ant1	30-5142	2662.68	-43.71	0.0426	2.5	2.5	Pass
NVNT	ac20	5240	Ant1	5142-5150	5142.74	-47.14	0.0193	15	15	Pass
NVNT	ac20	5240	Ant1	5250-5251	5250.07	-9.56	110.6624	1000	100	Pass
NVNT	ac20	5240	Ant1	5251-5260	5251.05	-19.32	11.695	100	15.85	Pass
NVNT	ac20	5240	Ant1	5260-5266.7	5262.45	-38.05	0.1567	15.85	2.49	Pass
NVNT	ac20	5240	Ant1	5266.7-26000	26000	-34.02	0.3963	2.5	2.5	Pass
NVNT	ac40	5190	Ant1	30-5141.6	3137.85	-43.77	0.042	2.5	2.5	Pass
NVNT	ac40	5190	Ant1	5141.6-5150	5149.01	-43.04	0.0497	15	15	Pass
NVNT	ac40	5190	Ant1	5250-5251	5250.34	-46.25	0.0237	500	50	Pass
NVNT	ac40	5190	Ant1	5251-5270	5256.66	-46.49	0.0224	50	7.92	Pass
NVNT	ac40	5190	Ant1	5270-5278.4	5270.51	-47.06	0.0197	7.92	2.48	Pass



NVNT	ac40	5190	Ant1	5278.4-26000	25979.28	-32.78	0.5272	2.5	2.5	Pass
NVNT	ac40	5230	Ant1	30-5141.6	3275.87	-43.76	0.0421	2.5	2.5	Pass
NVNT	ac40	5230	Ant1	5141.6-5150	5148.95	-45.73	0.0267	15	15	Pass
NVNT	ac40	5230	Ant1	5250-5251	5250	-21.95	6.3826	500	50	Pass
NVNT	ac40	5230	Ant1	5251-5270	5251.02	-31.46	0.7145	50	7.92	Pass
NVNT	ac40	5230	Ant1	5270-5278.4	5271.44	-41.51	0.0706	7.92	2.48	Pass
NVNT	ac40	5230	Ant1	5278.4-26000	26000	-33.7	0.4266	2.5	2.5	Pass
NVNT	ac80	5210	Ant1	30-5123.2	2663.18	-43.68	0.0429	2.5	2.5	Pass
NVNT	ac80	5210	Ant1	5123.2-5150	5149.46	-41.08	0.078	15	15	Pass
NVNT	ac80	5210	Ant1	5250-5251	5250.16	-23.72	4.2462	250	25	Pass
NVNT	ac80	5210	Ant1	5251-5290	5251	-30.38	0.9162	25	3.96	Pass
NVNT	ac80	5210	Ant1	5290-5296.7	5290.08	-41.99	0.0632	3.96	2.49	Pass
NVNT	ac80	5210	Ant1	5296.7-26000	25979.3	-34.3	0.3715	2.5	2.5	Pass

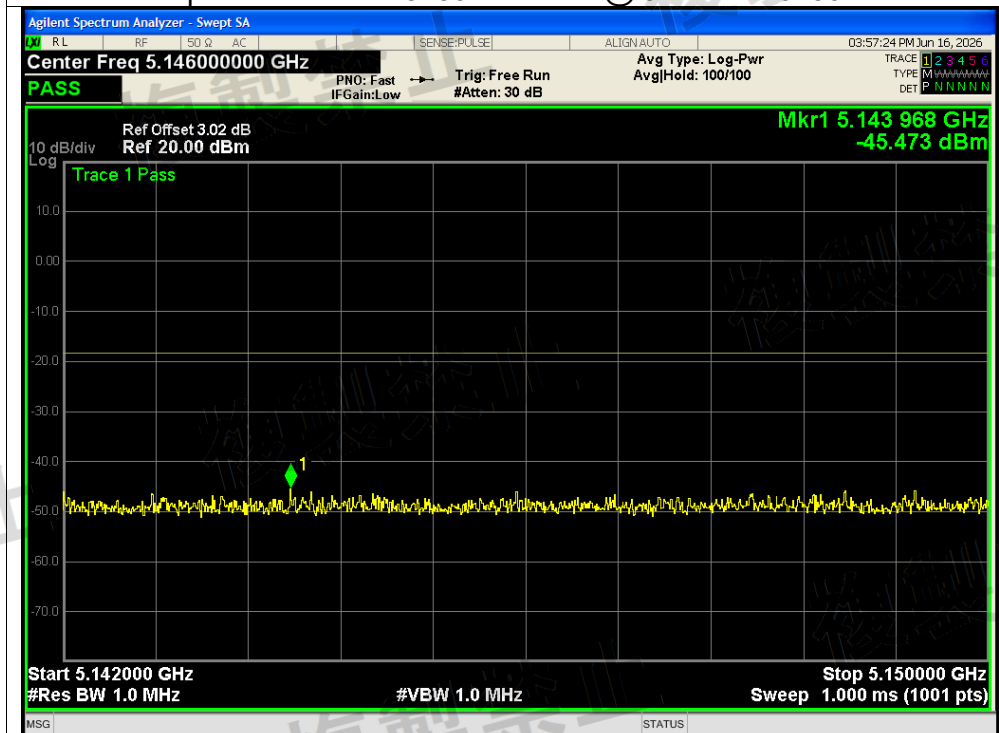


Test Graphs

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

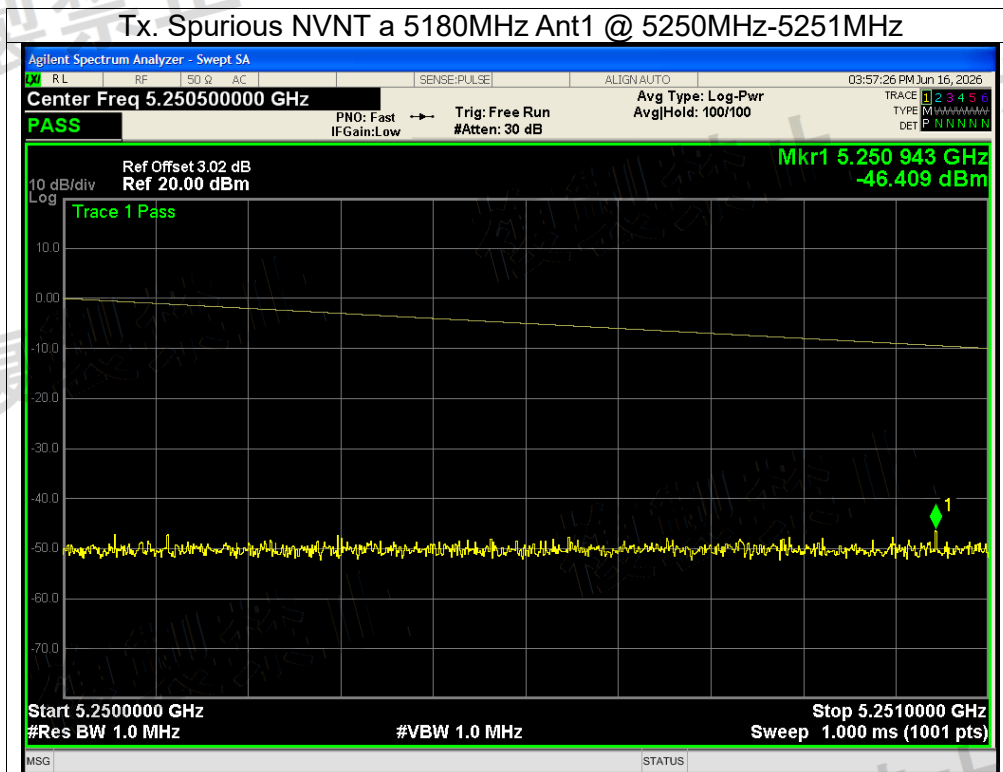


Tx. Spurious NVNT a 5180MHz Ant1 @ 5142MHz-5150MHz

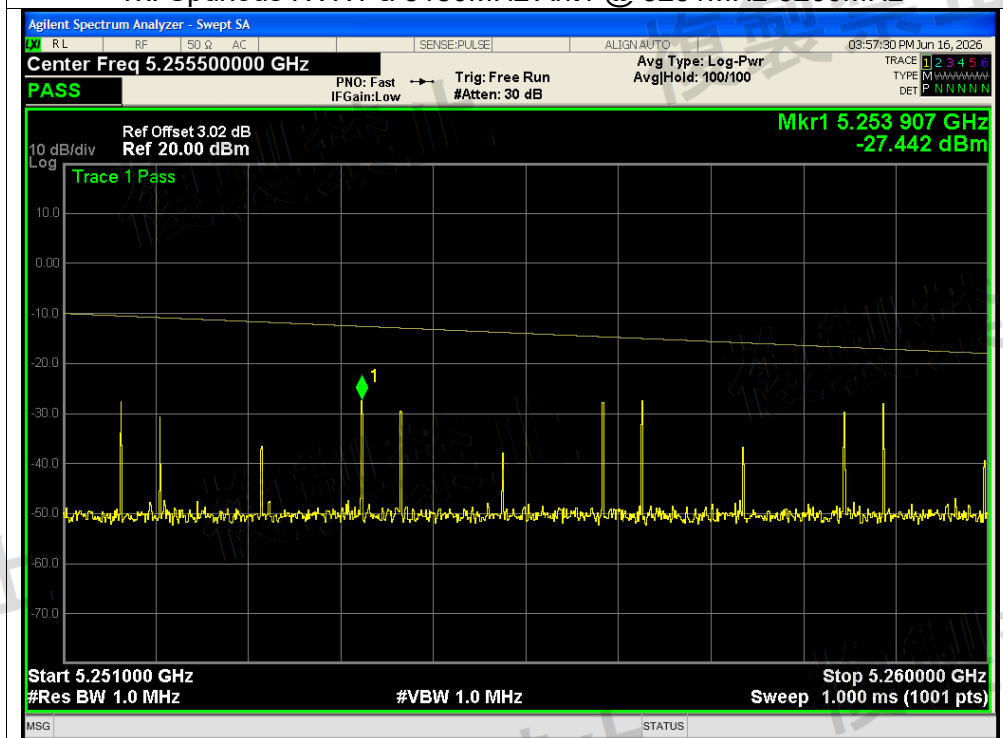




Tx. Spurious NVNT a 5180MHz Ant1 @ 5250MHz-5251MHz

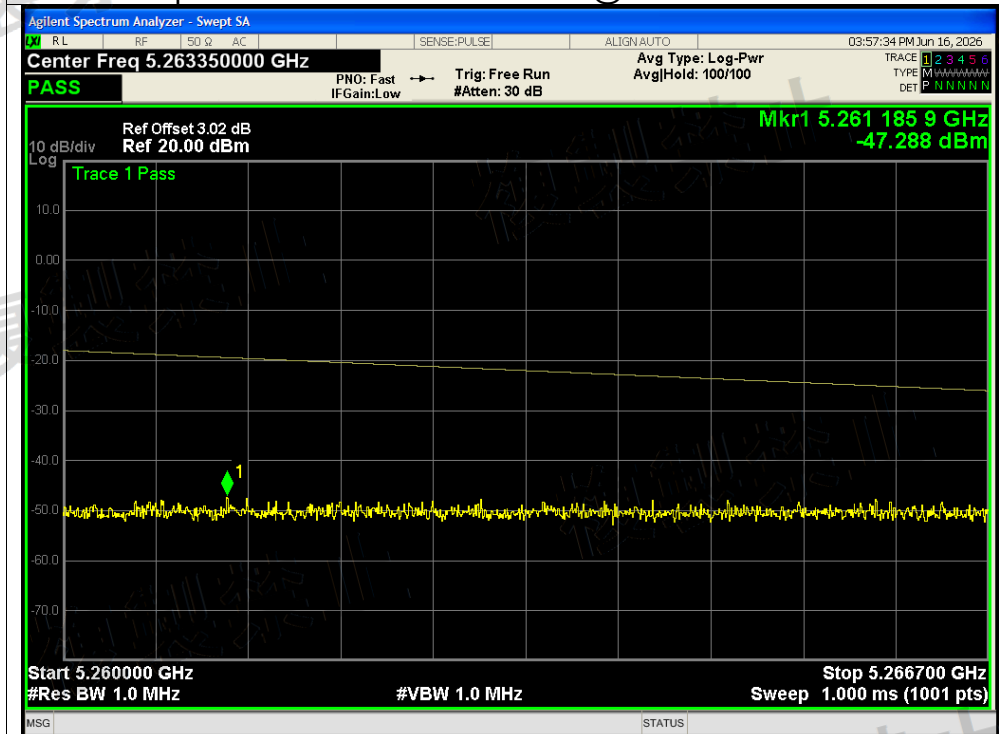


Tx. Spurious NVNT a 5180MHz Ant1 @ 5251MHz-5260MHz





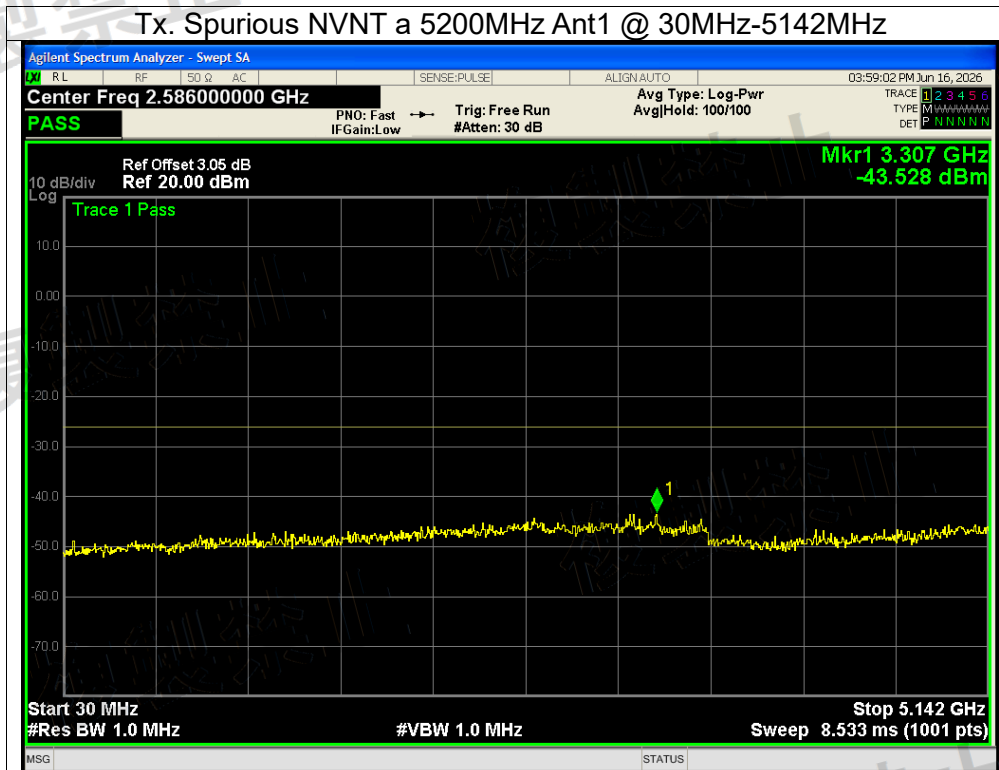
Tx. Spurious NVNT a 5180MHz Ant1 @ 5260MHz-5266.7MHz



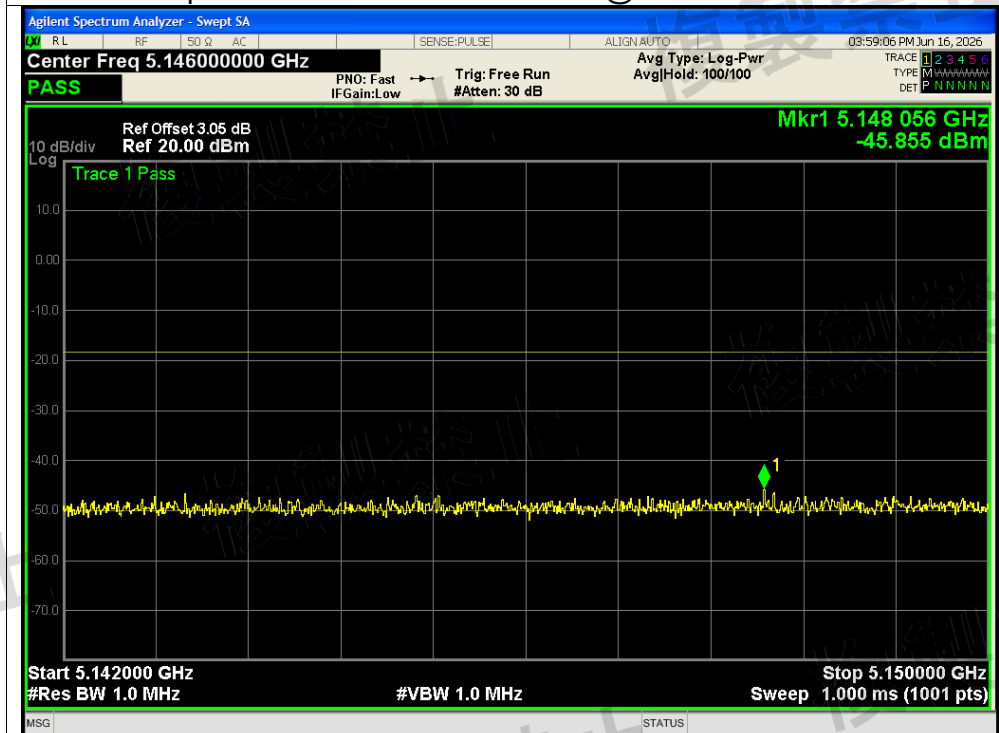
Tx. Spurious NVNT a 5180MHz Ant1 @ 5266.7MHz-26000MHz



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

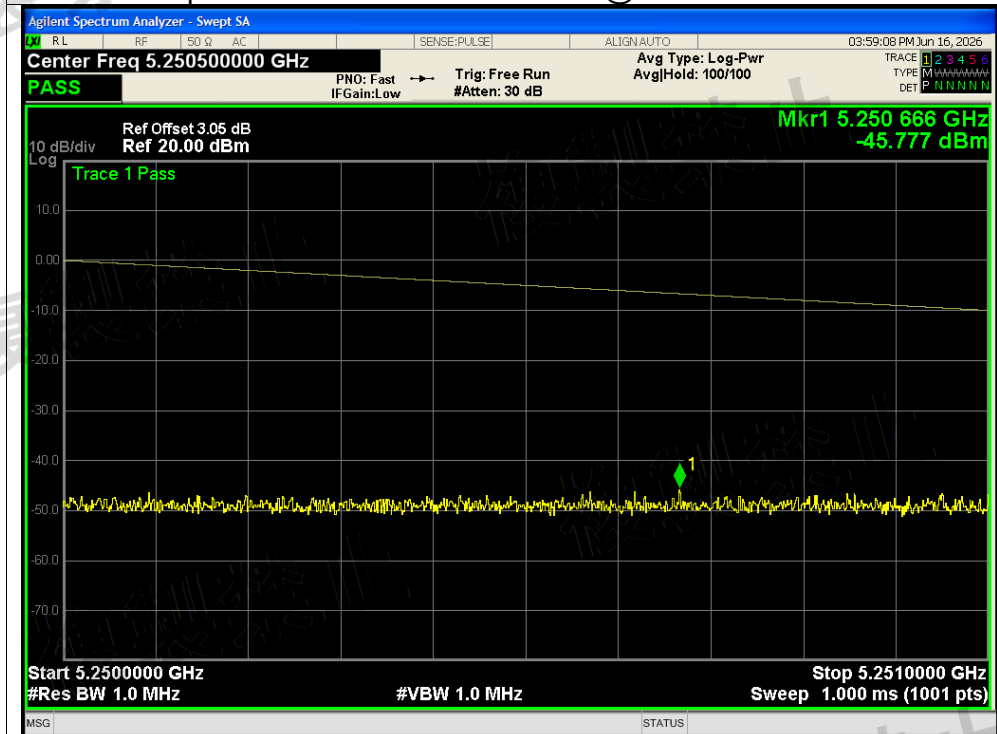


Tx. Spurious NVNT a 5200MHz Ant1 @ 5142MHz-5150MHz

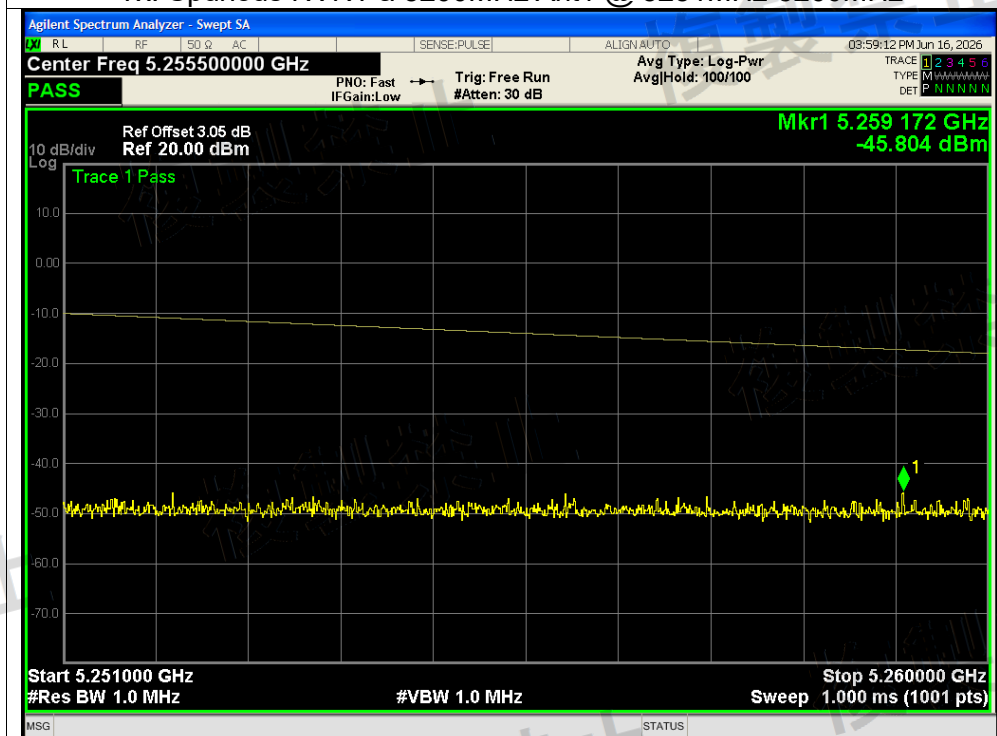




Tx. Spurious NVNT a 5200MHz Ant1 @ 5250MHz-5251MHz

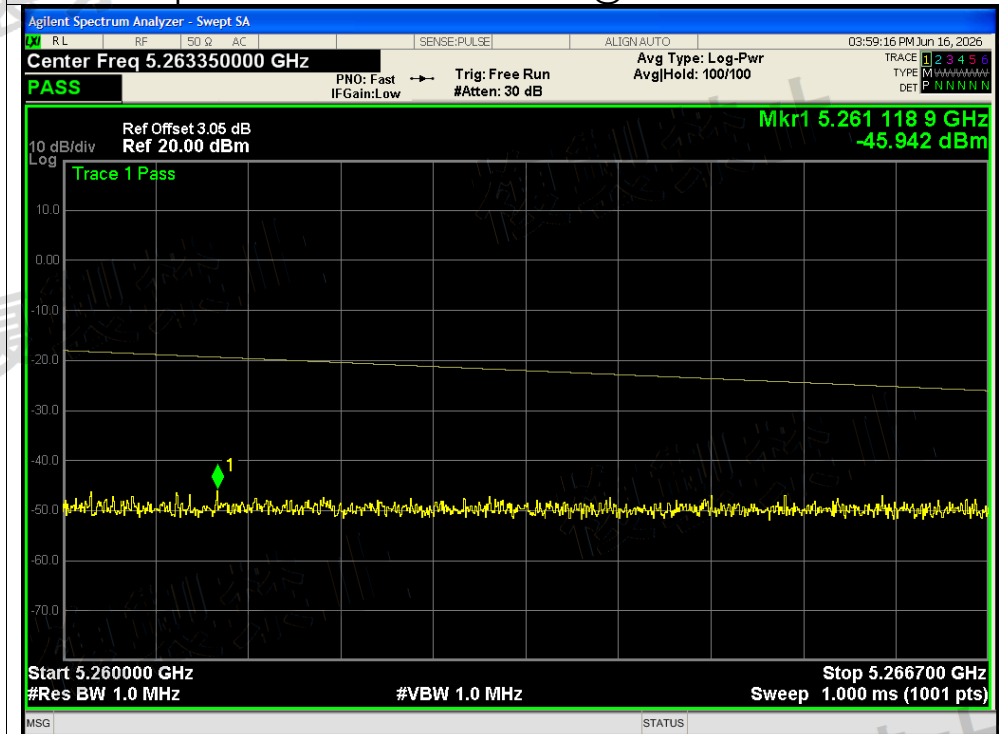


Tx. Spurious NVNT a 5200MHz Ant1 @ 5251MHz-5260MHz





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

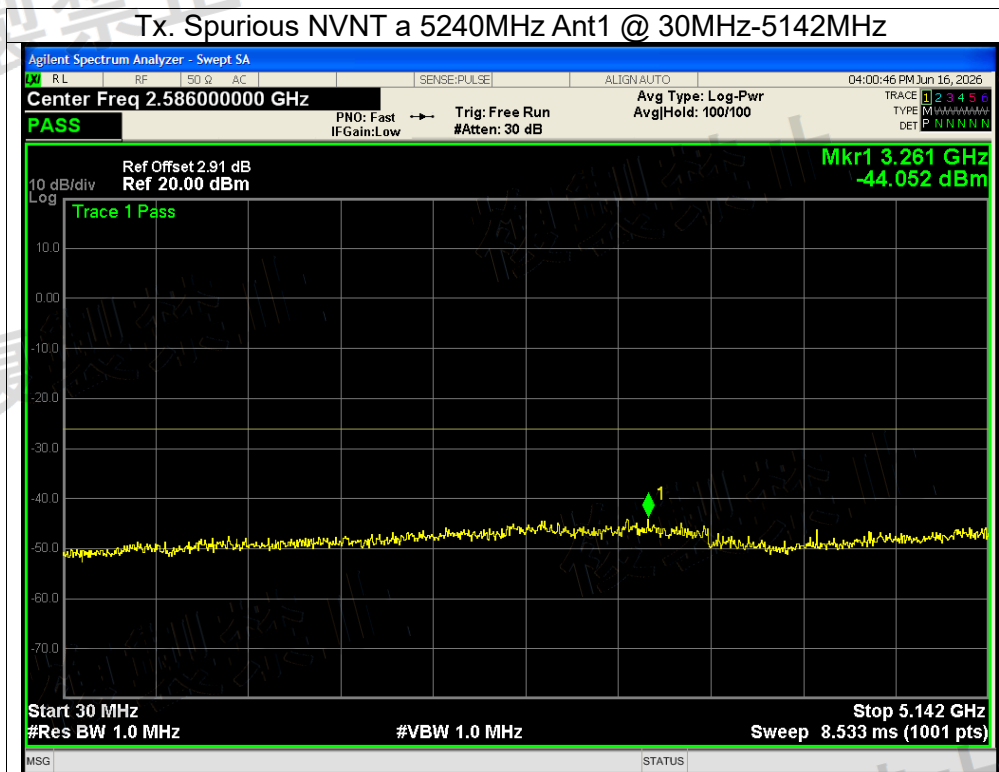


Tx. Spurious NVNT a 5200MHz Ant1 @ 5266.7MHz-26000MHz

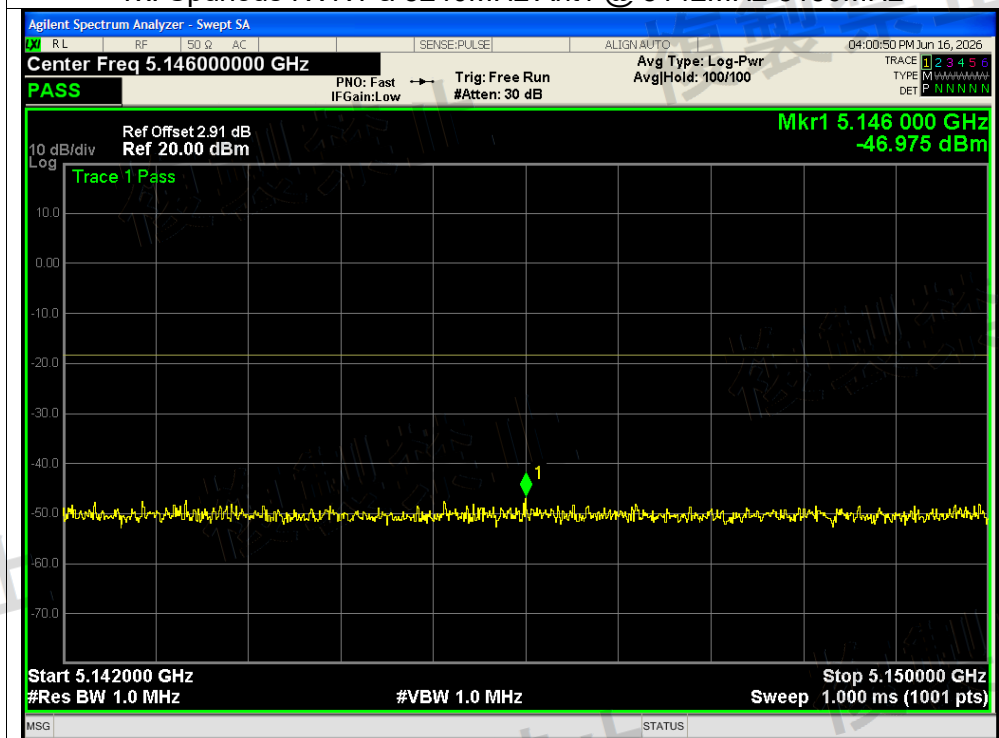




Tx. Spurious NVNT a 5240MHz Ant1 @ 30MHz-5142MHz

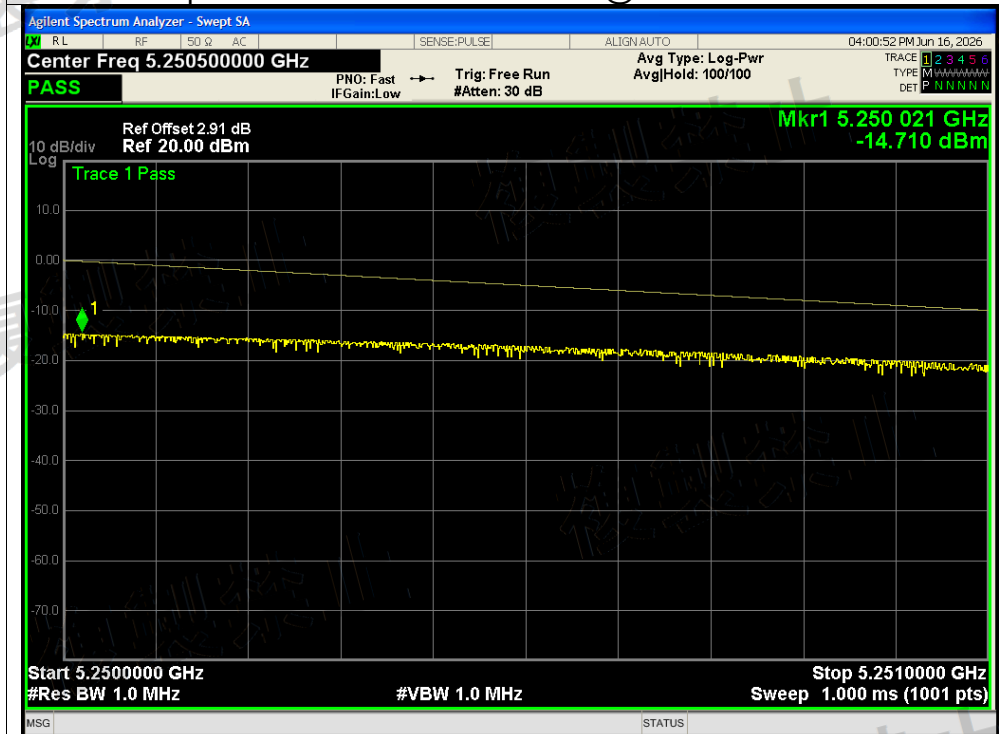


Tx. Spurious NVNT a 5240MHz Ant1 @ 5142MHz-5150MHz





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

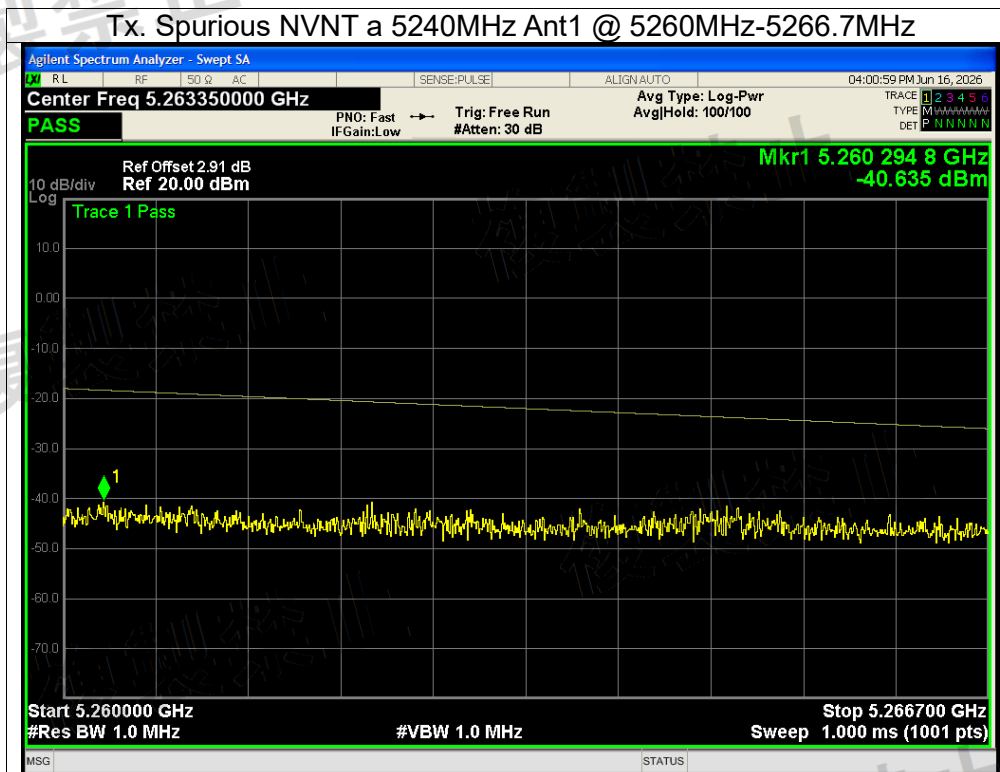


Tx. Spurious NVNT a 5240MHz Ant1 @ 5251MHz-5260MHz

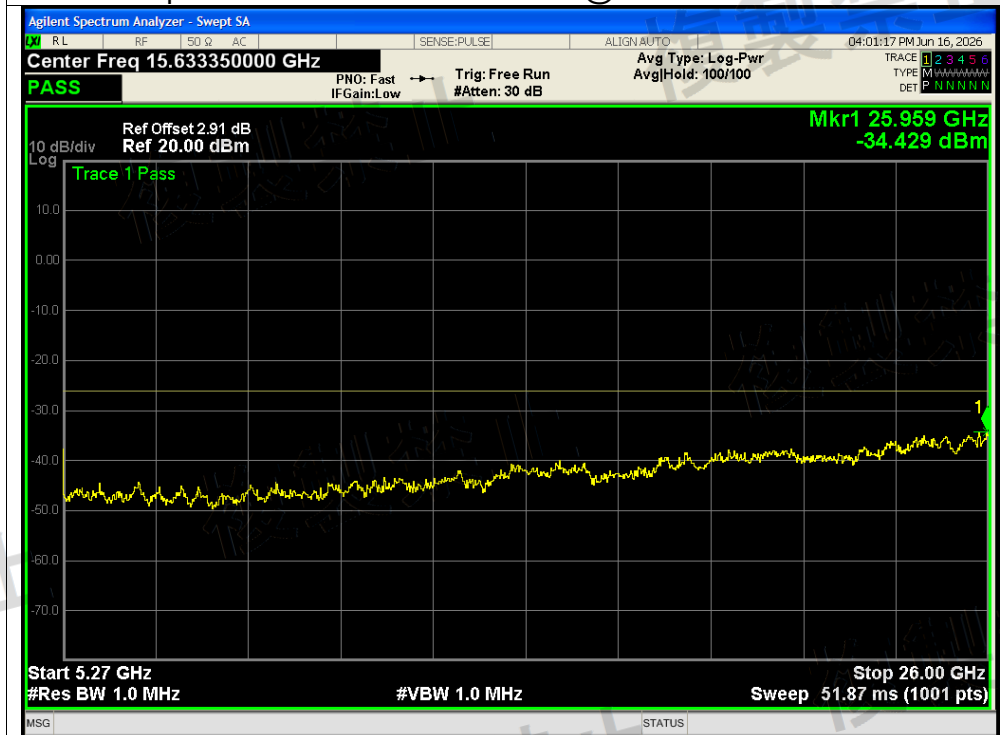




Tx. Spurious NVNT a 5240MHz Ant1 @ 5260MHz-5266.7MHz

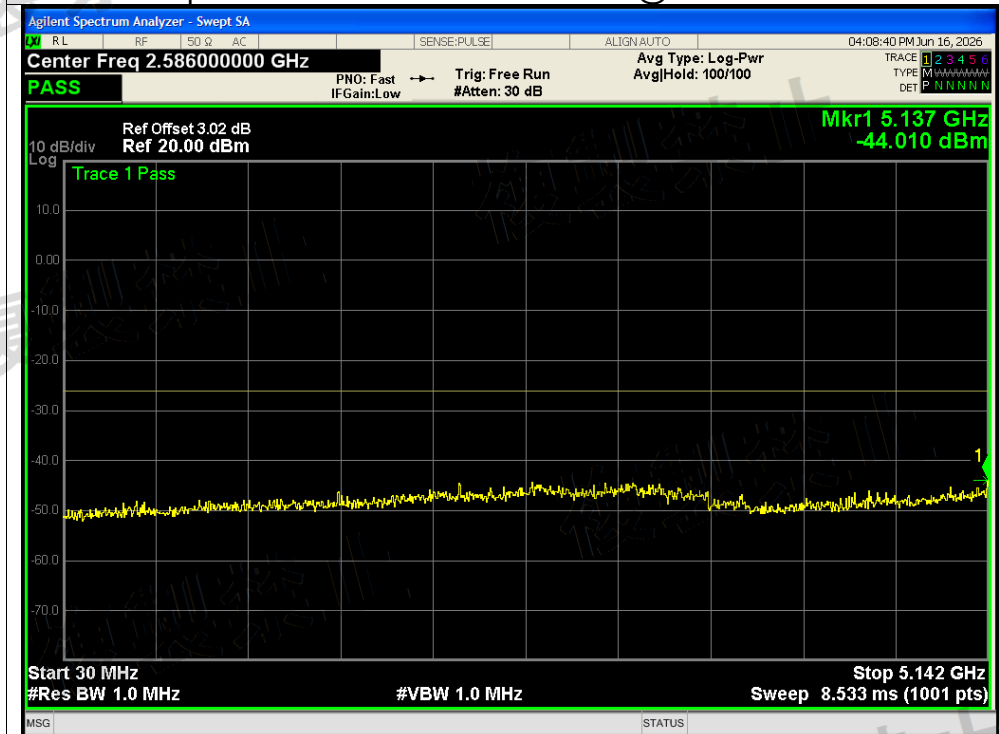


Tx. Spurious NVNT a 5240MHz Ant1 @ 5266.7MHz-26000MHz

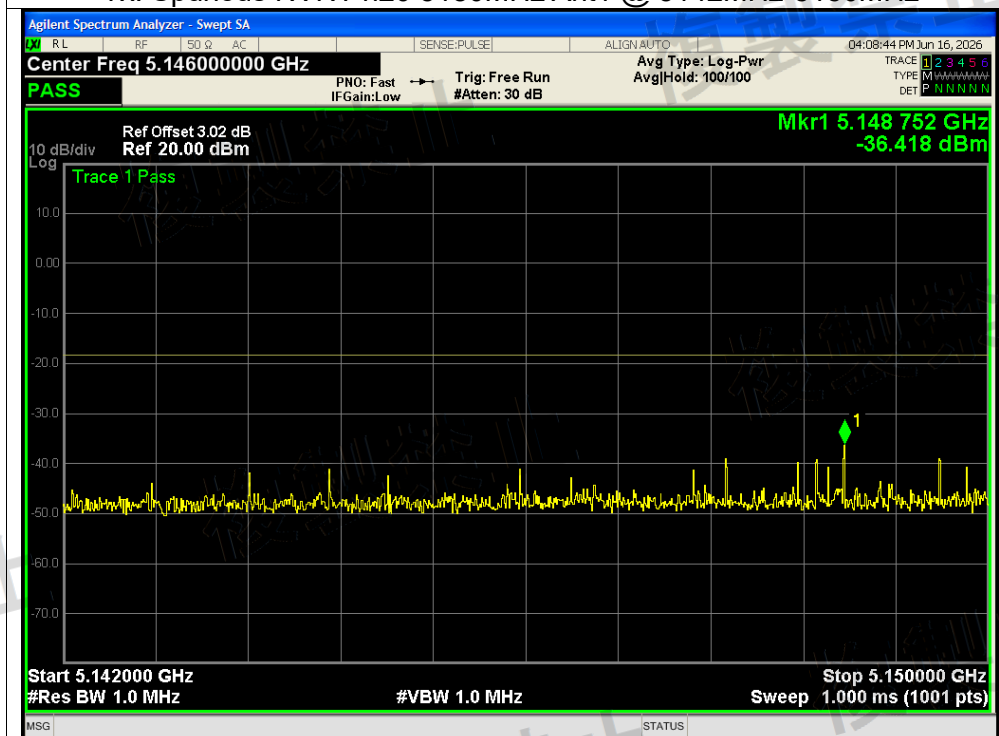




Tx. Spurious NVNT n20 5180MHz Ant1 @ 30MHz-5142MHz

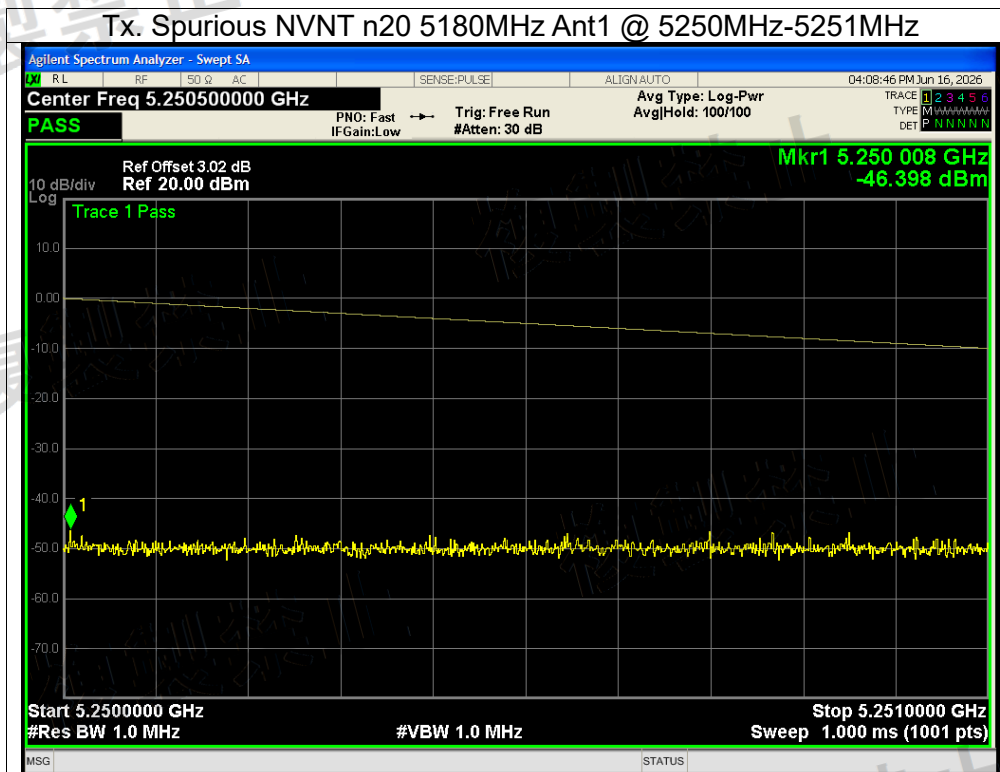


Tx. Spurious NVNT n20 5180MHz Ant1 @ 5142MHz-5150MHz

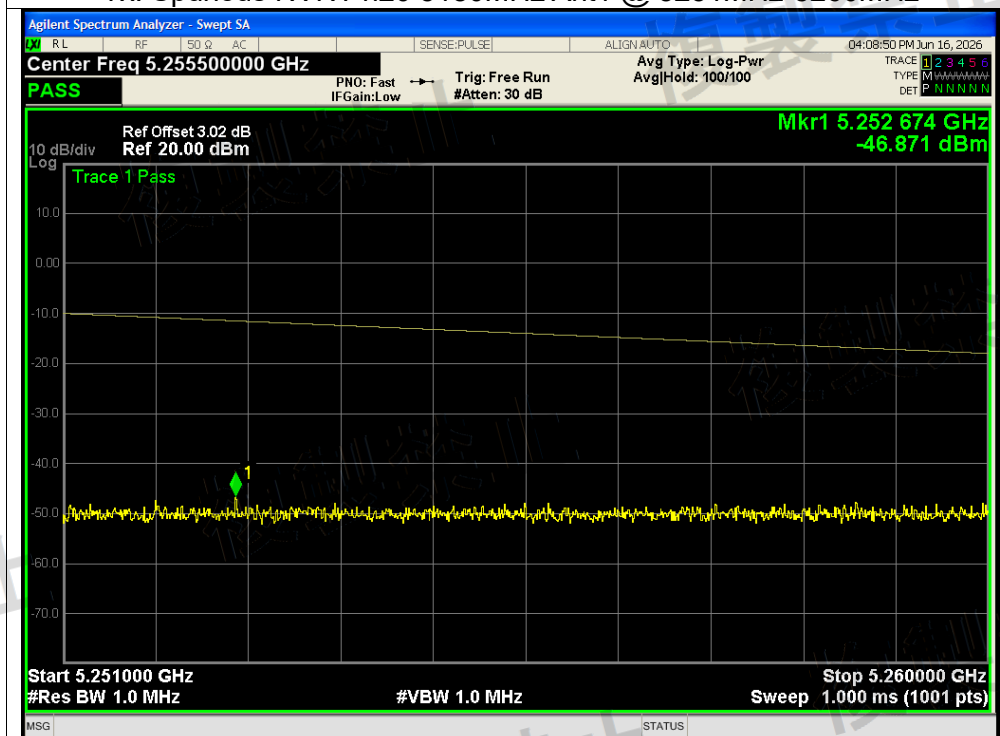




Tx. Spurious NVNT n20 5180MHz Ant1 @ 5250MHz-5251MHz

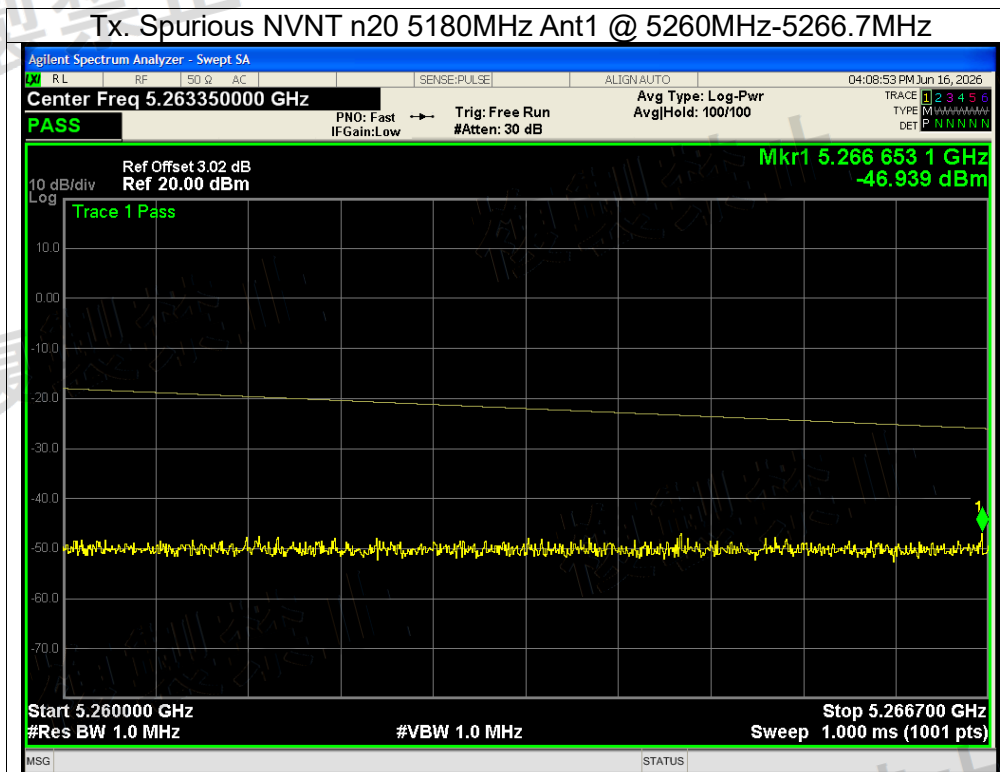


Tx. Spurious NVNT n20 5180MHz Ant1 @ 5251MHz-5260MHz





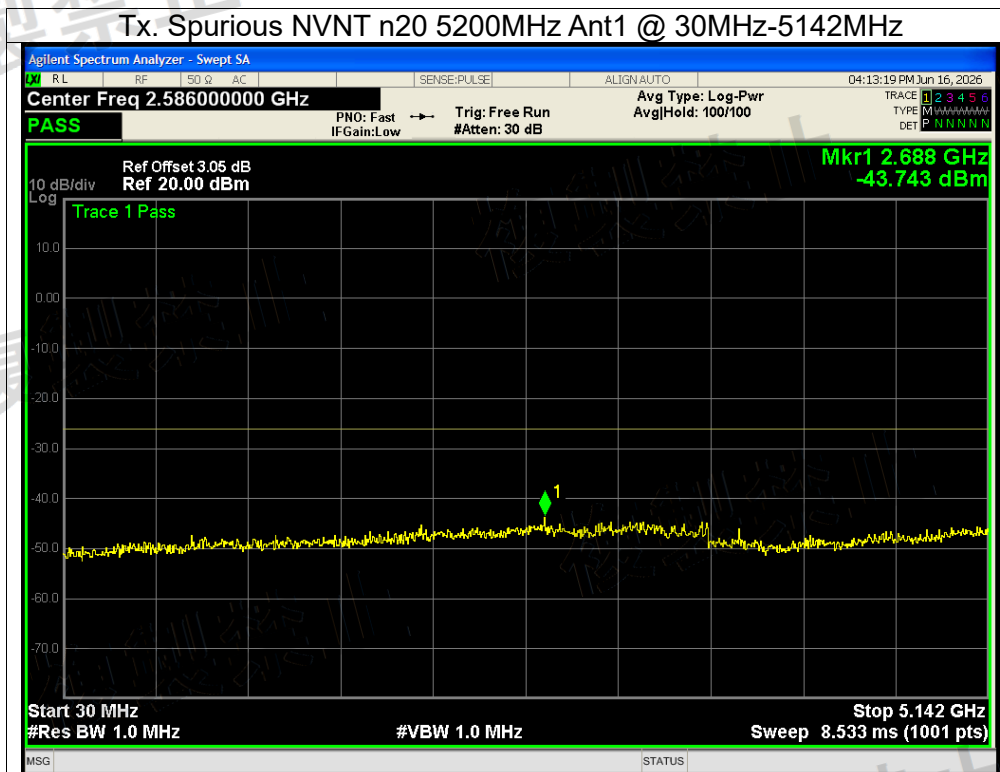
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5260MHz-5266.7MHz



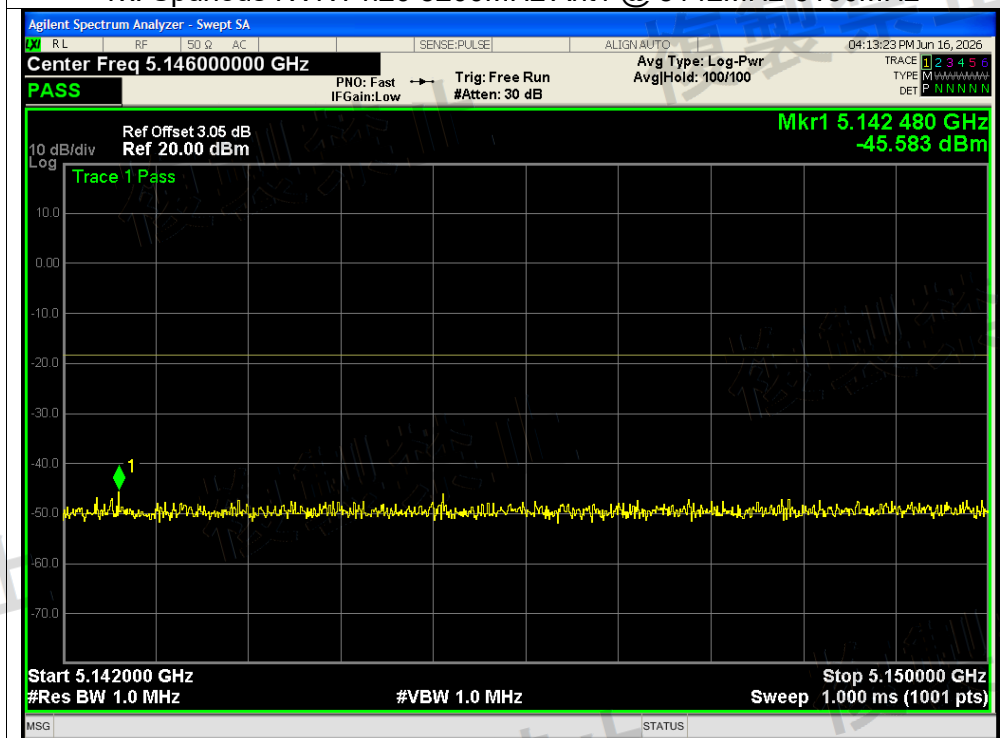
Tx. Spurious NVNT n20 5180MHz Ant1 @ 5266.7MHz-26000MHz



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

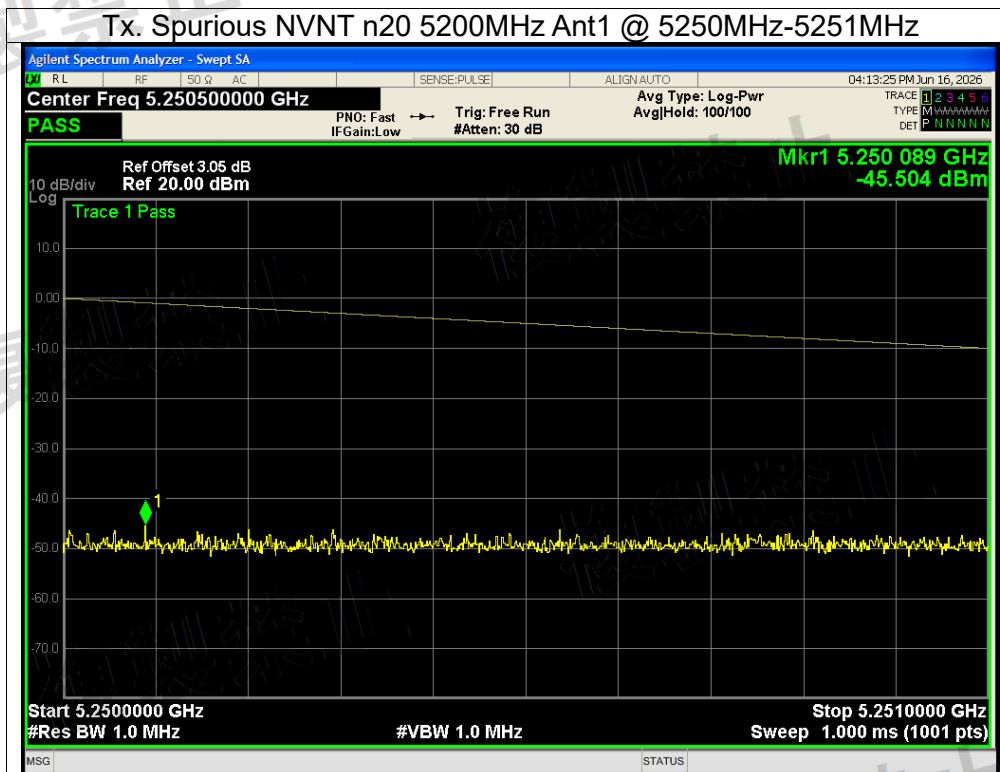


Tx. Spurious NVNT n20 5200MHz Ant1 @ 5142MHz-5150MHz

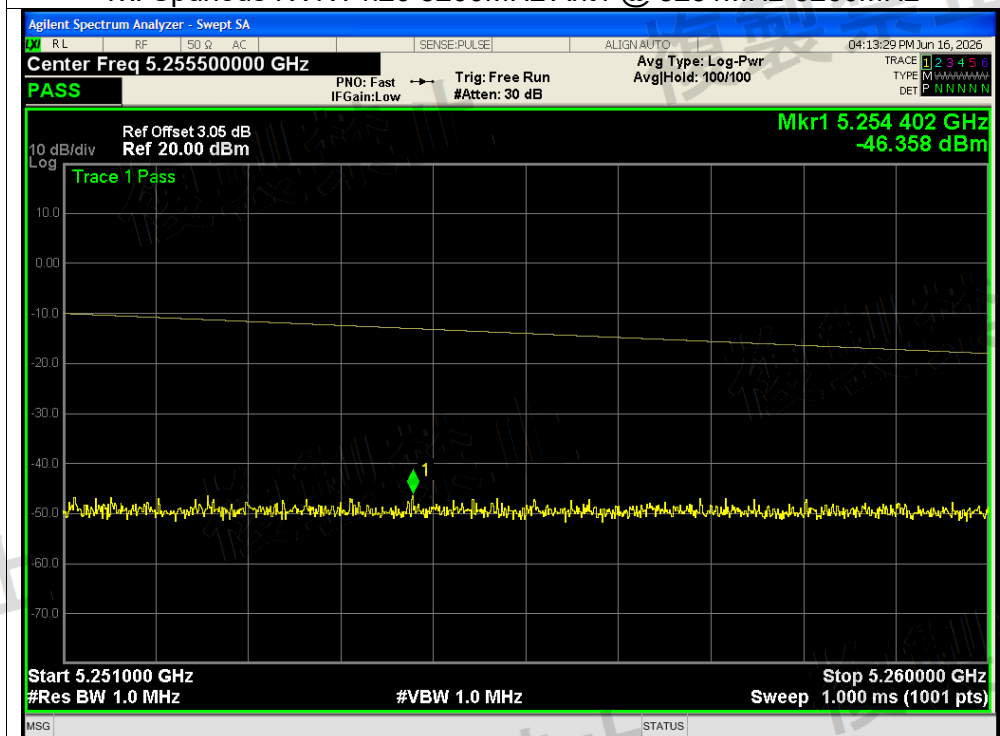




Tx. Spurious NVNT n20 5200MHz Ant1 @ 5250MHz-5251MHz

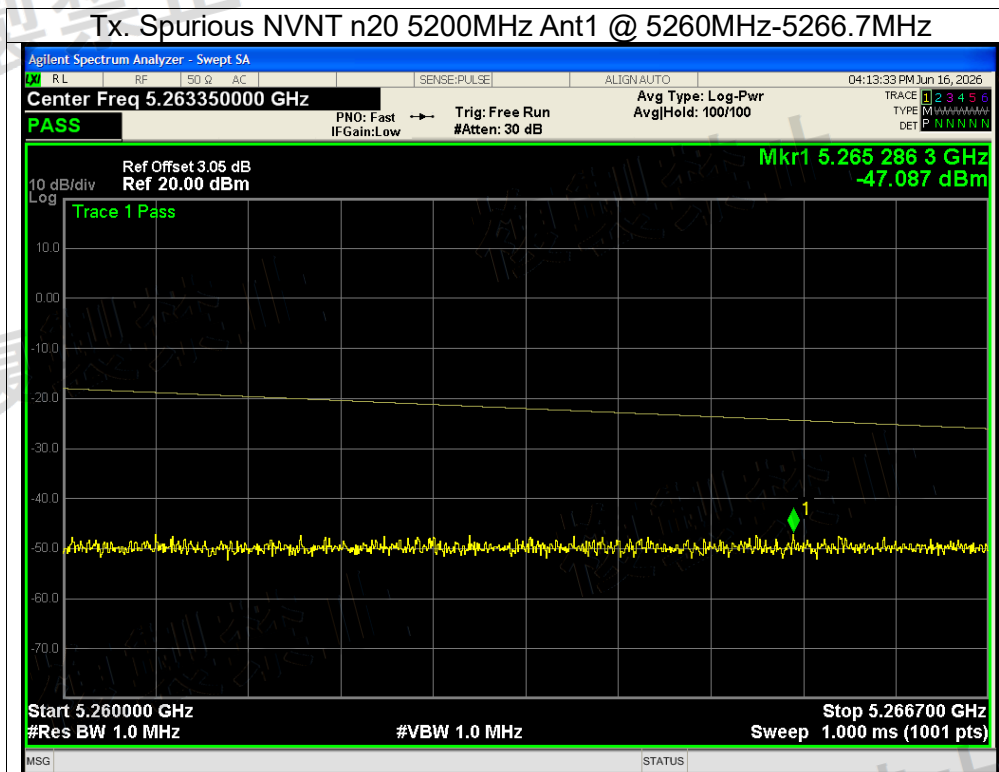


Tx. Spurious NVNT n20 5200MHz Ant1 @ 5251MHz-5260MHz





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

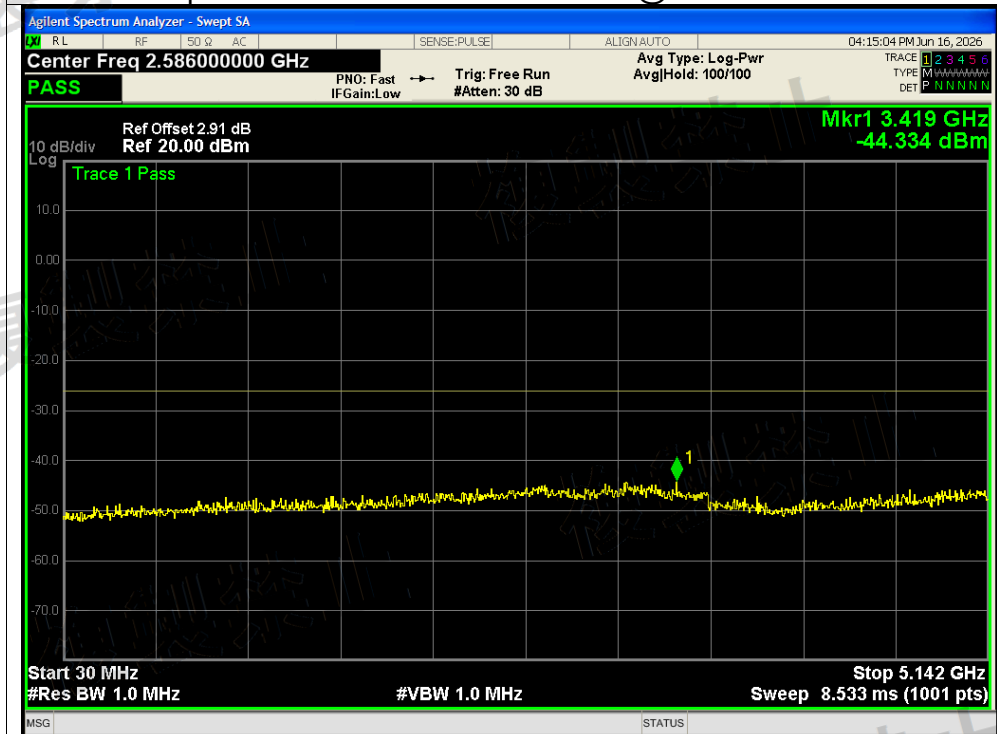


Tx. Spurious NVNT n20 5200MHz Ant1 @ 5266.7MHz-26000MHz

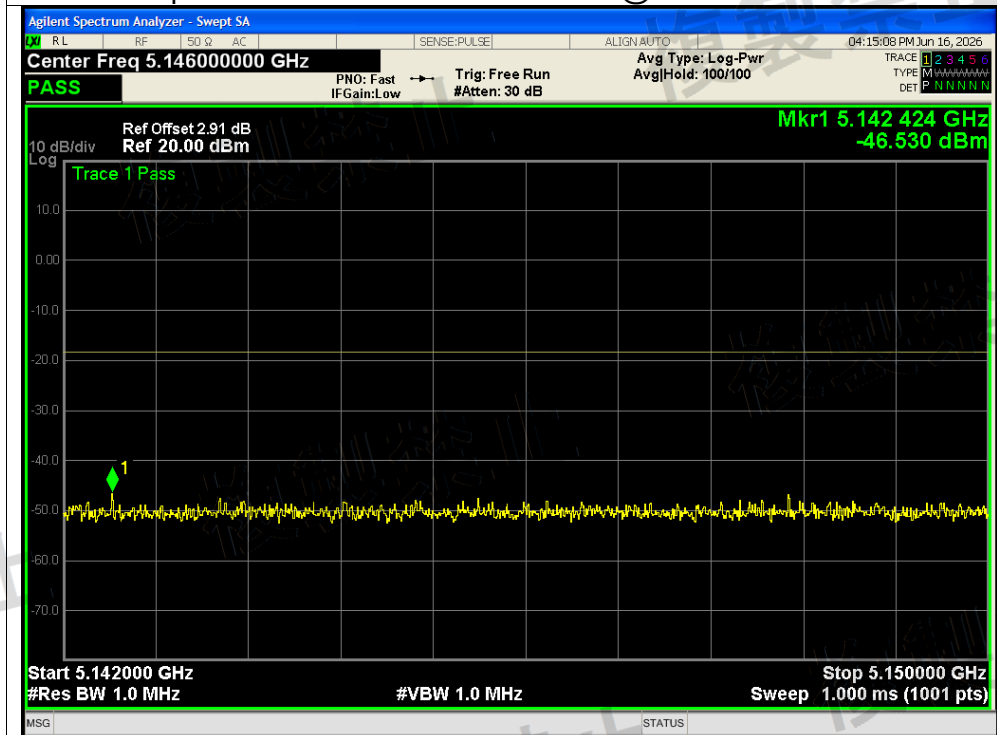




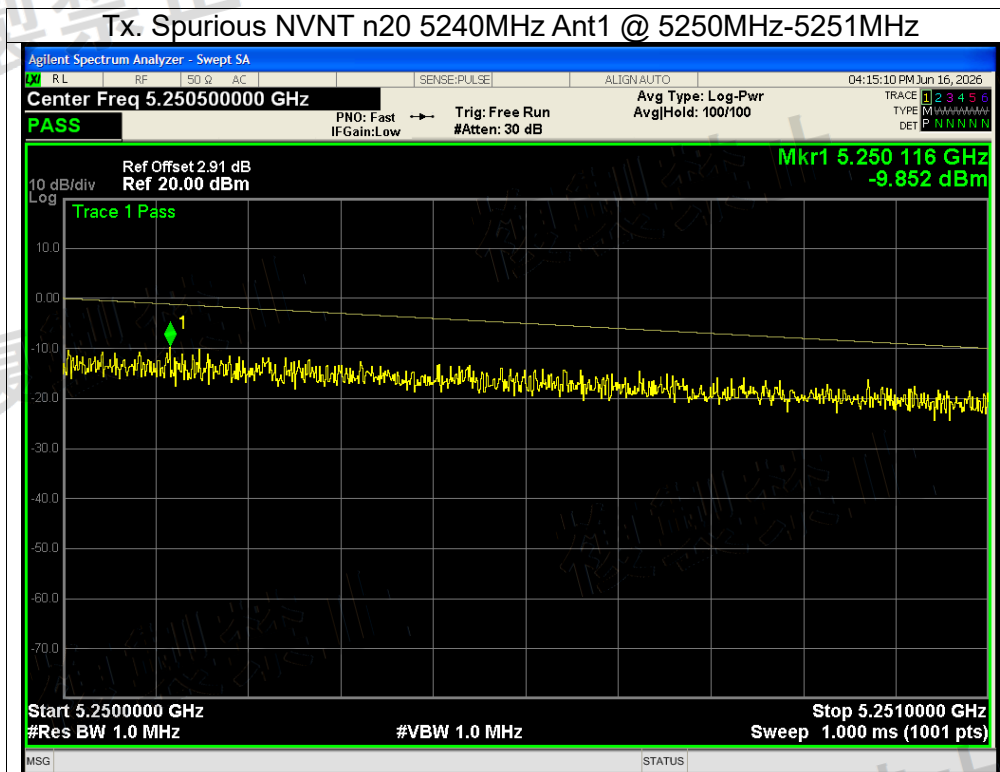
Tx. Spurious NVNT n20 5240MHz Ant1 @ 30MHz-5142MHz



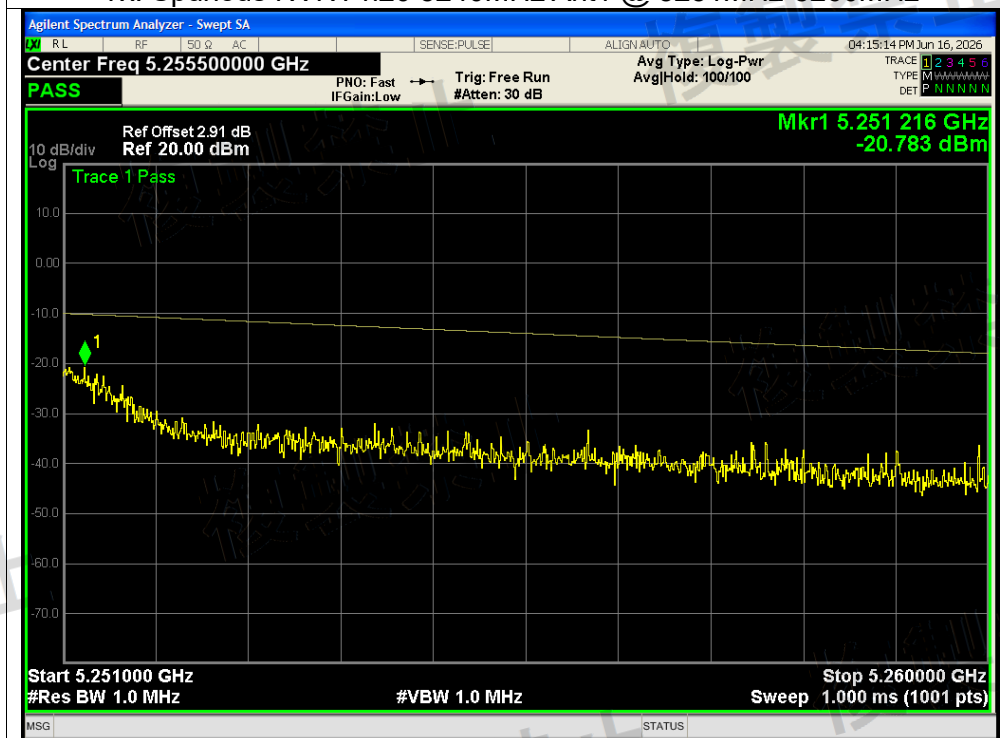
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5142MHz-5150MHz



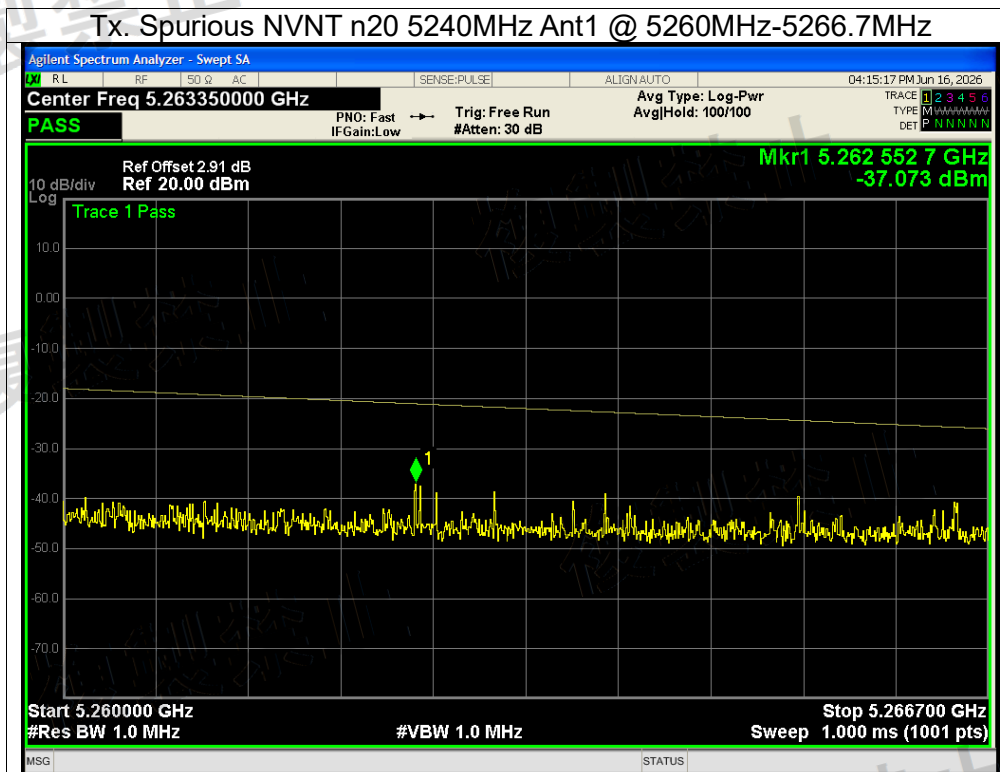
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5250MHz-5251MHz



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



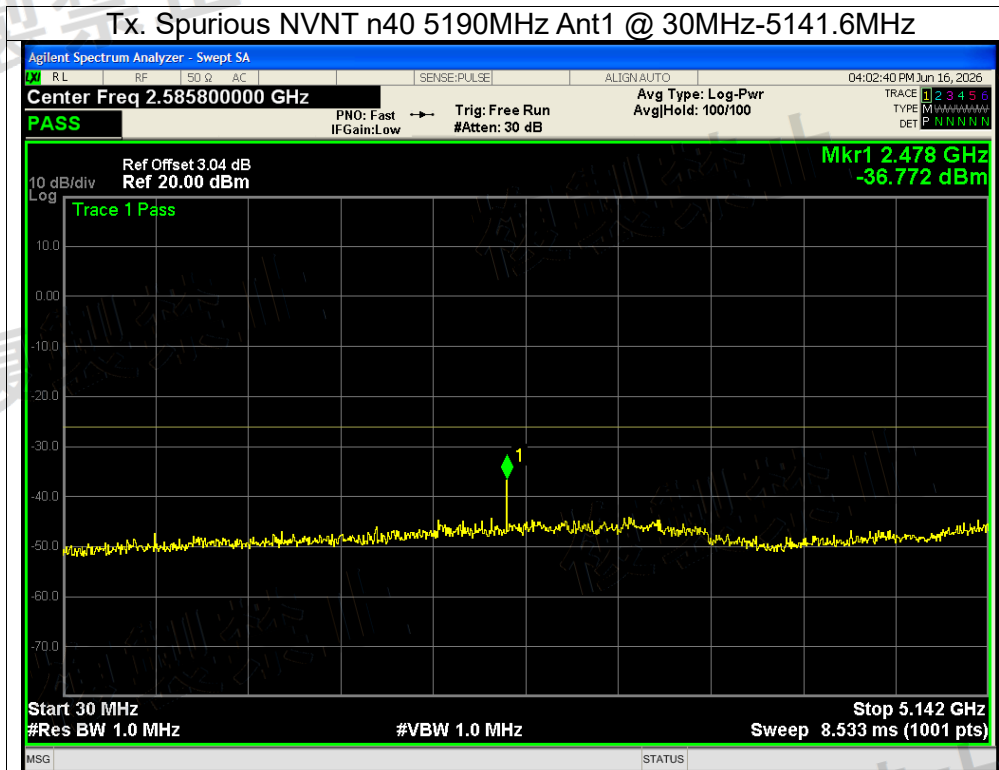
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5260MHz-5266.7MHz



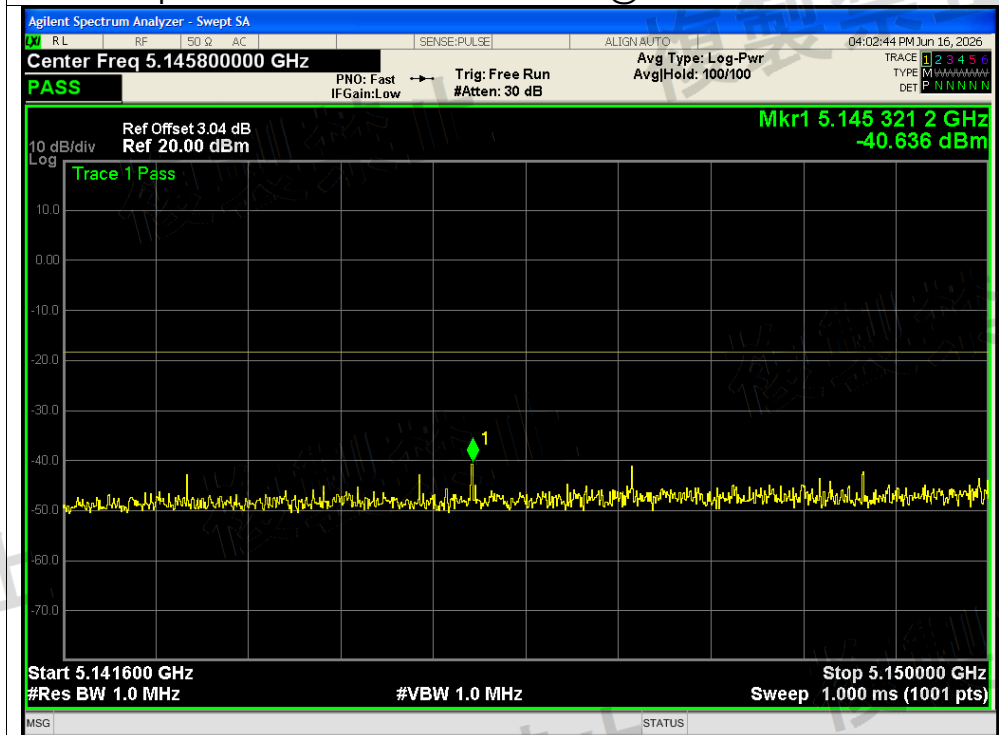
Tx. Spurious NVNT n20 5240MHz Ant1 @ 5266.7MHz-26000MHz



Tx. Spurious NVNT n40 5190MHz Ant1 @ 30MHz-5141.6MHz

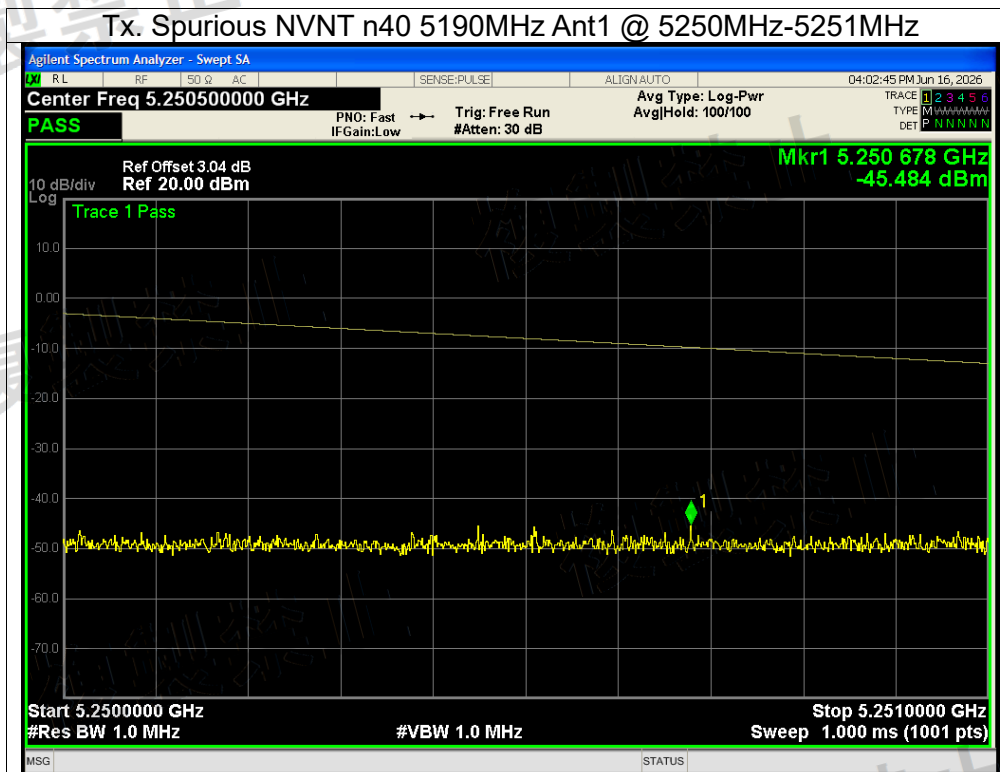


Tx. Spurious NVNT n40 5190MHz Ant1 @ 5141.6MHz-5150MHz





Tx. Spurious NVNT n40 5190MHz Ant1 @ 5250MHz-5251MHz

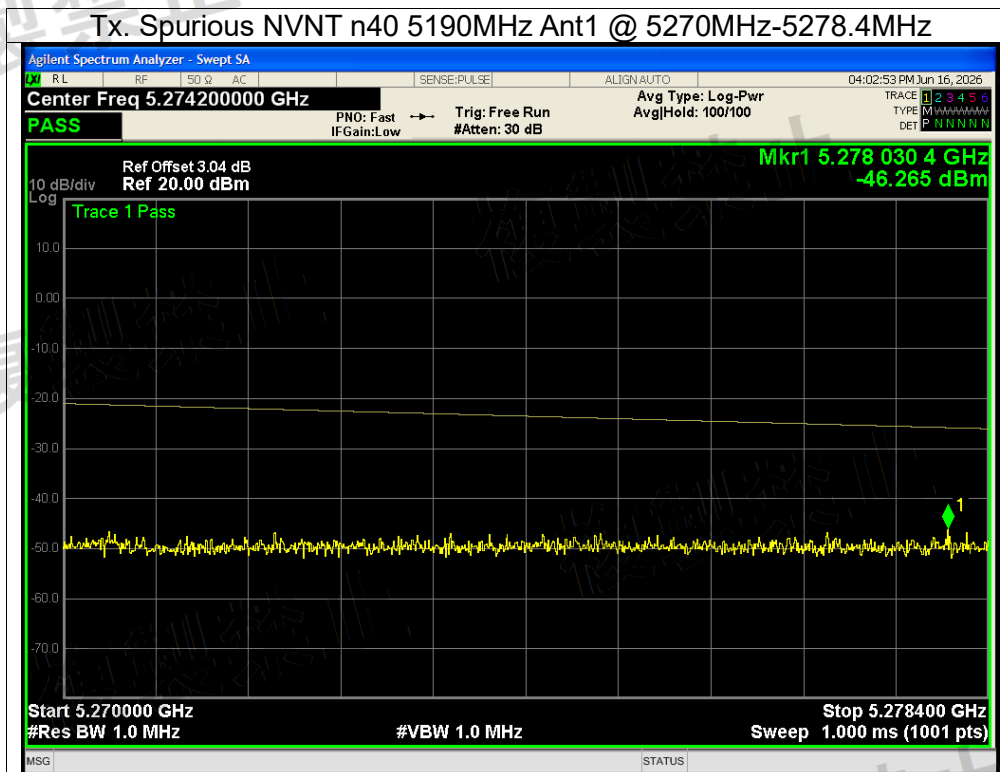


Tx. Spurious NVNT n40 5190MHz Ant1 @ 5251MHz-5270MHz

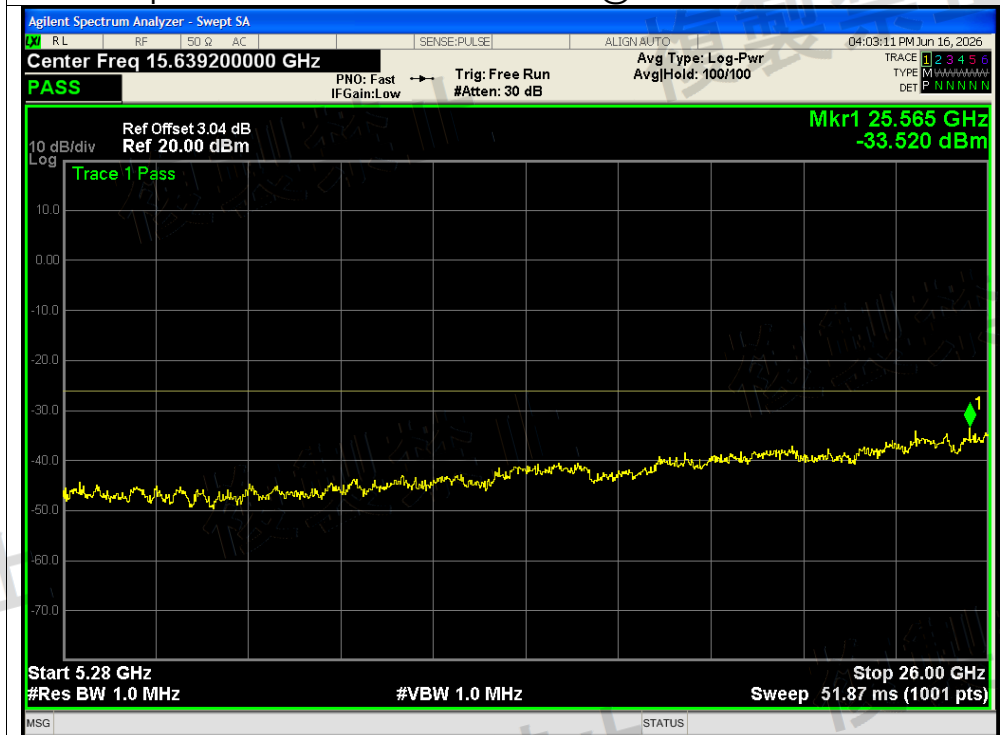




Tx. Spurious NVNT n40 5190MHz Ant1 @ 5270MHz-5278.4MHz

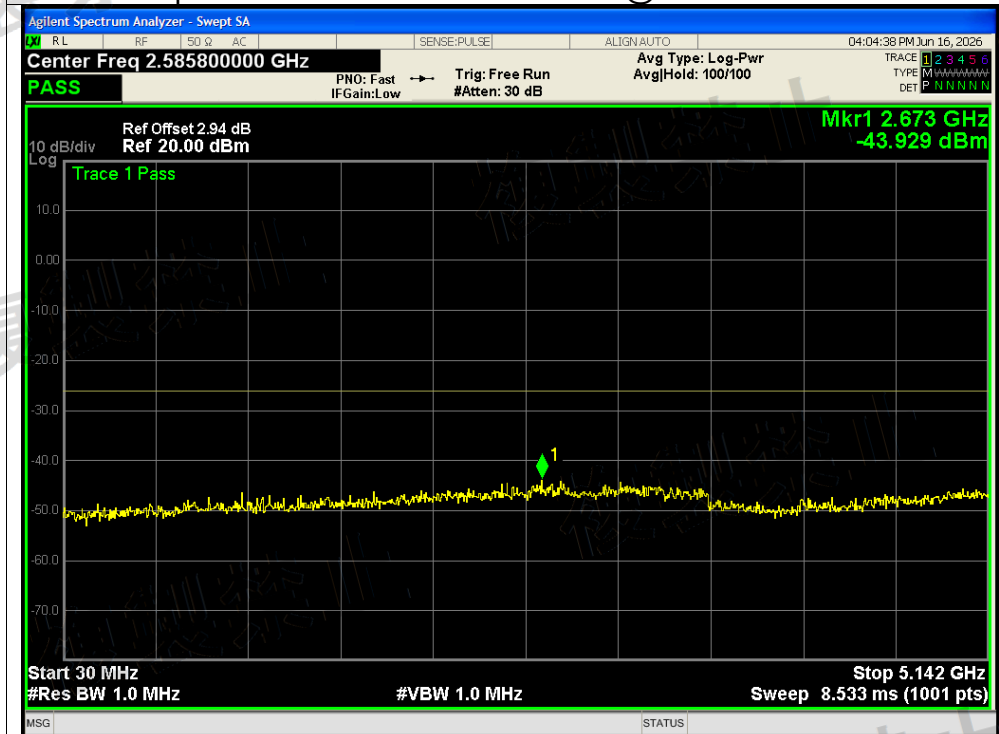


Tx. Spurious NVNT n40 5190MHz Ant1 @ 5278.4MHz-26000MHz

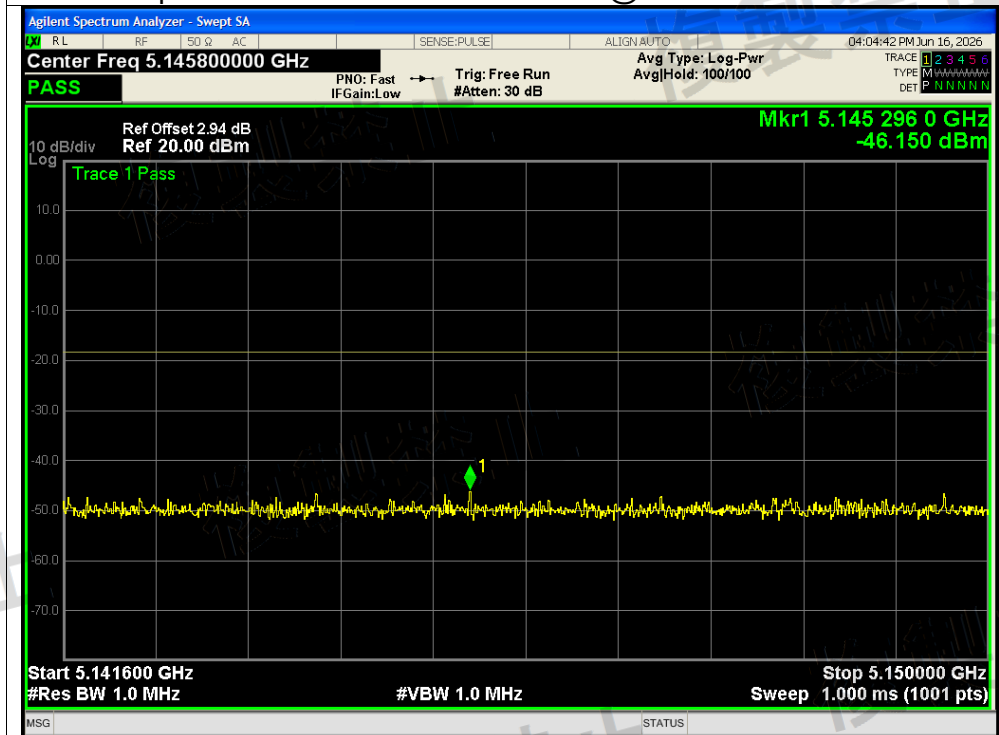




Tx. Spurious NVNT n40 5230MHz Ant1 @ 30MHz-5141.6MHz

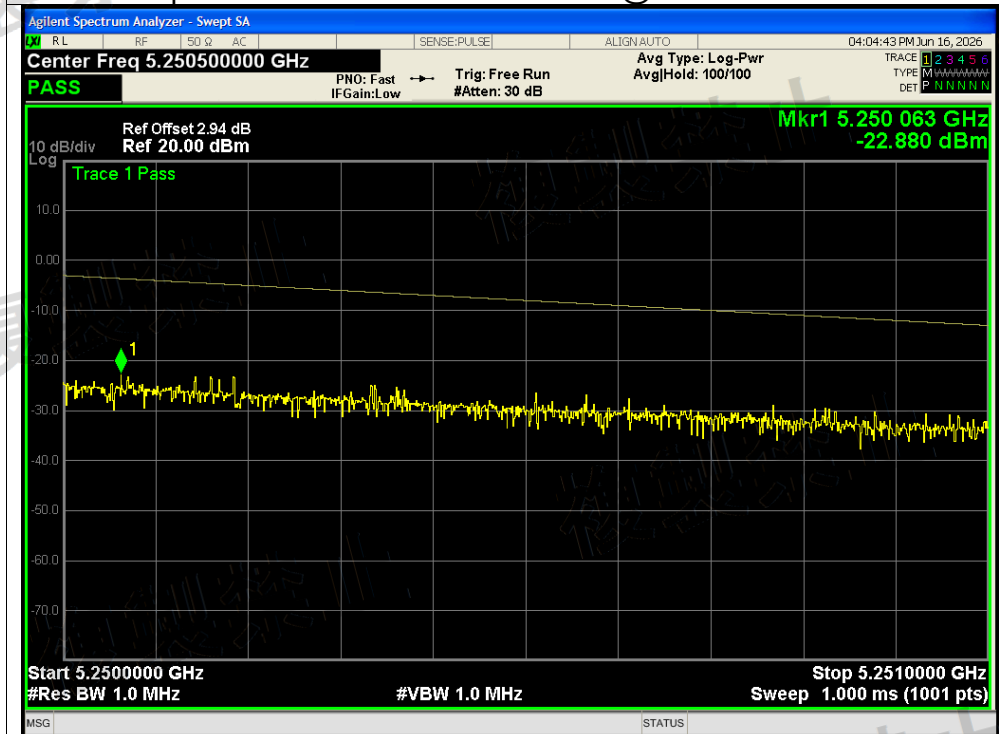


Tx. Spurious NVNT n40 5230MHz Ant1 @ 5141.6MHz-5150MHz



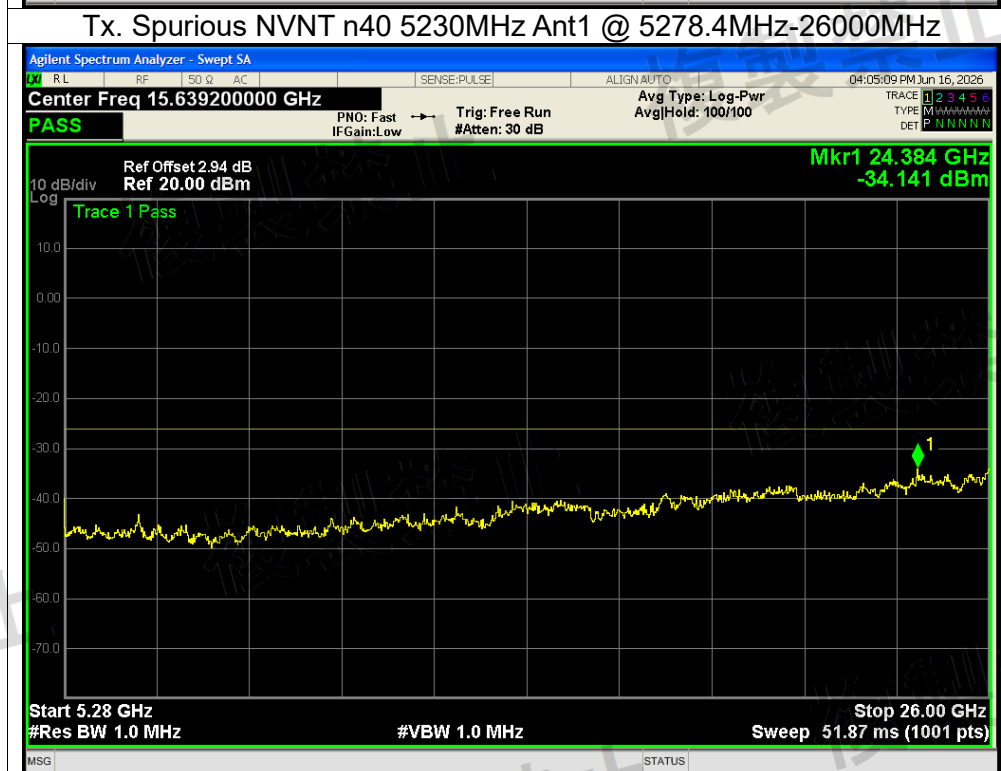
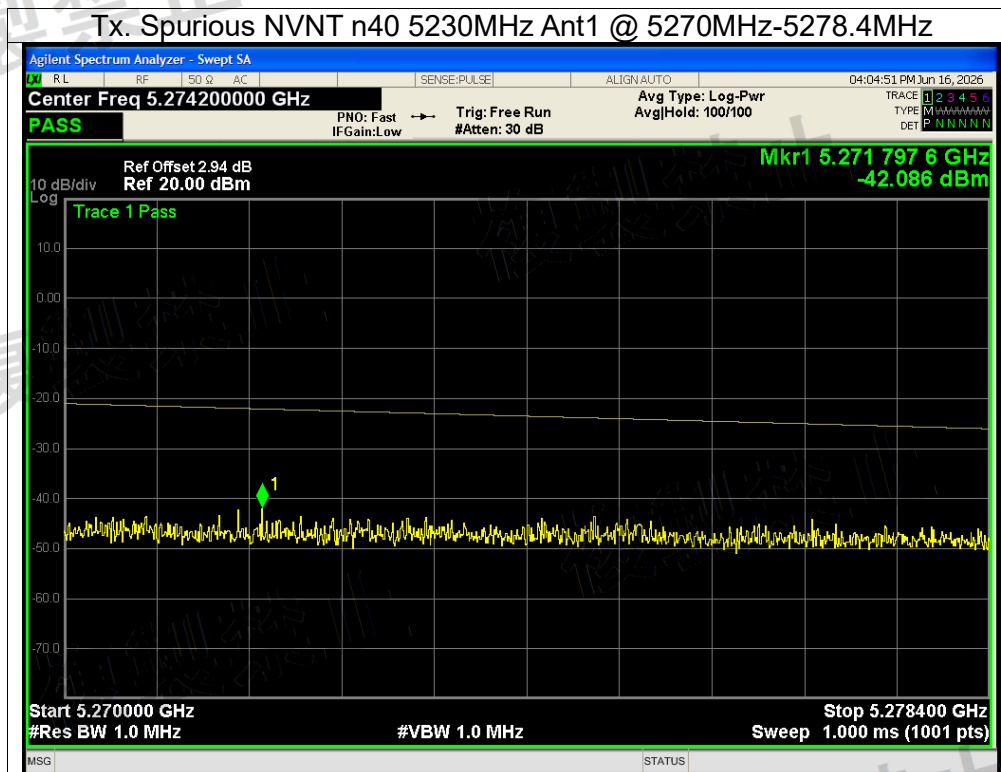


Tx. Spurious NVNT n40 5230MHz Ant1 @ 5250MHz-5251MHz



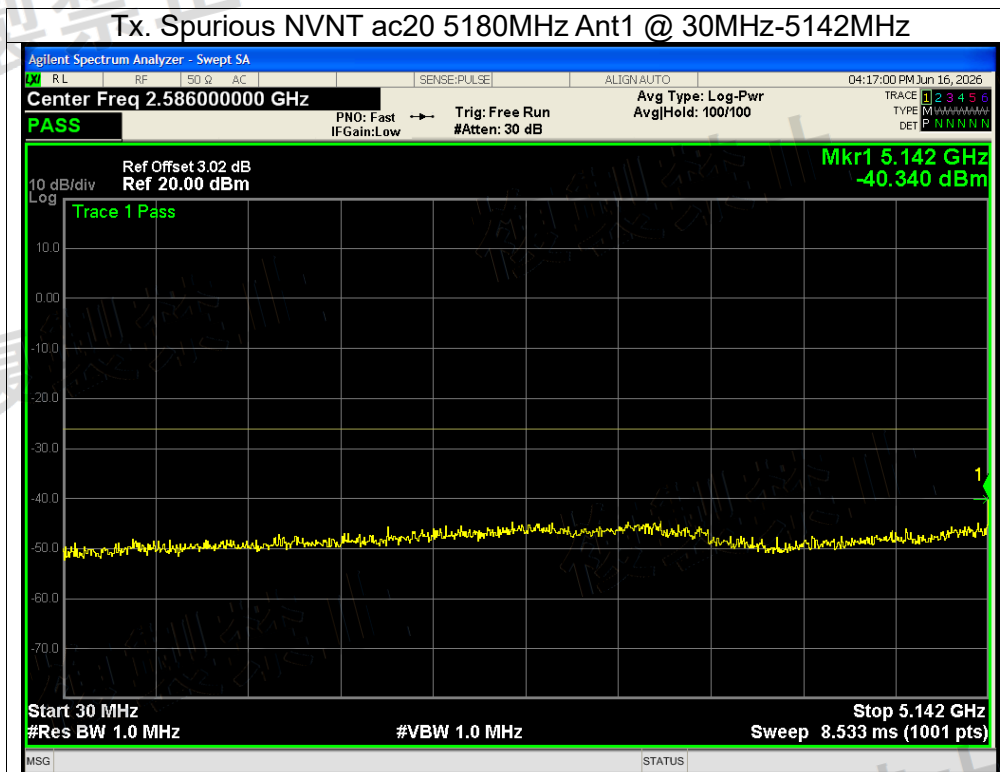
Tx. Spurious NVNT n40 5230MHz Ant1 @ 5251MHz-5270MHz



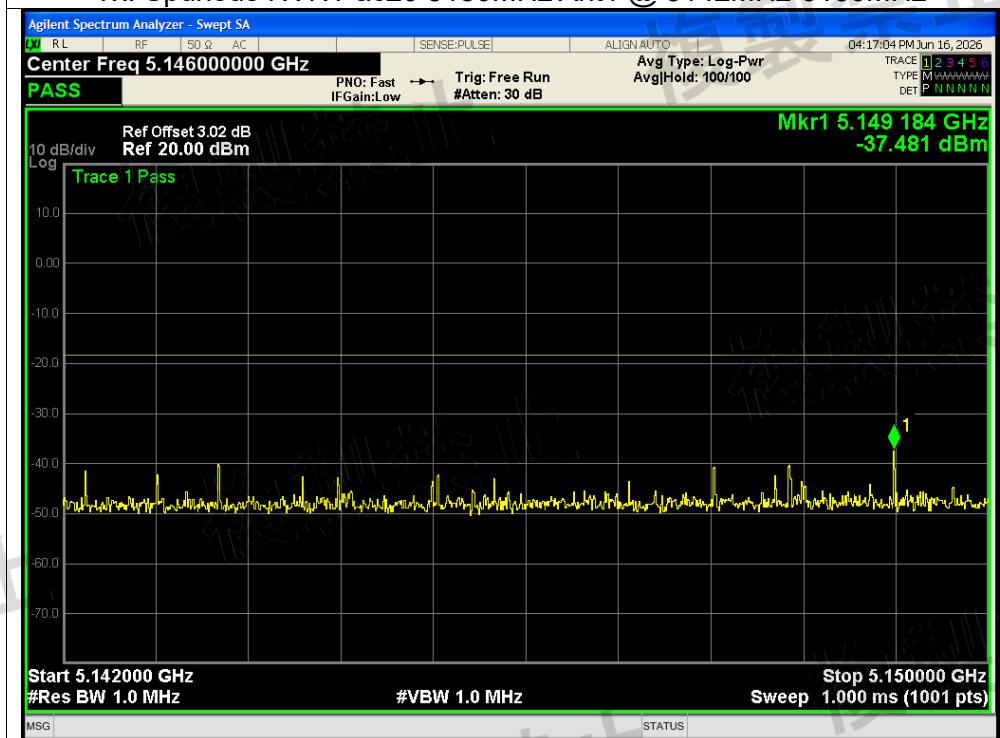




Tx. Spurious NVNT ac20 5180MHz Ant1 @ 30MHz-5142MHz

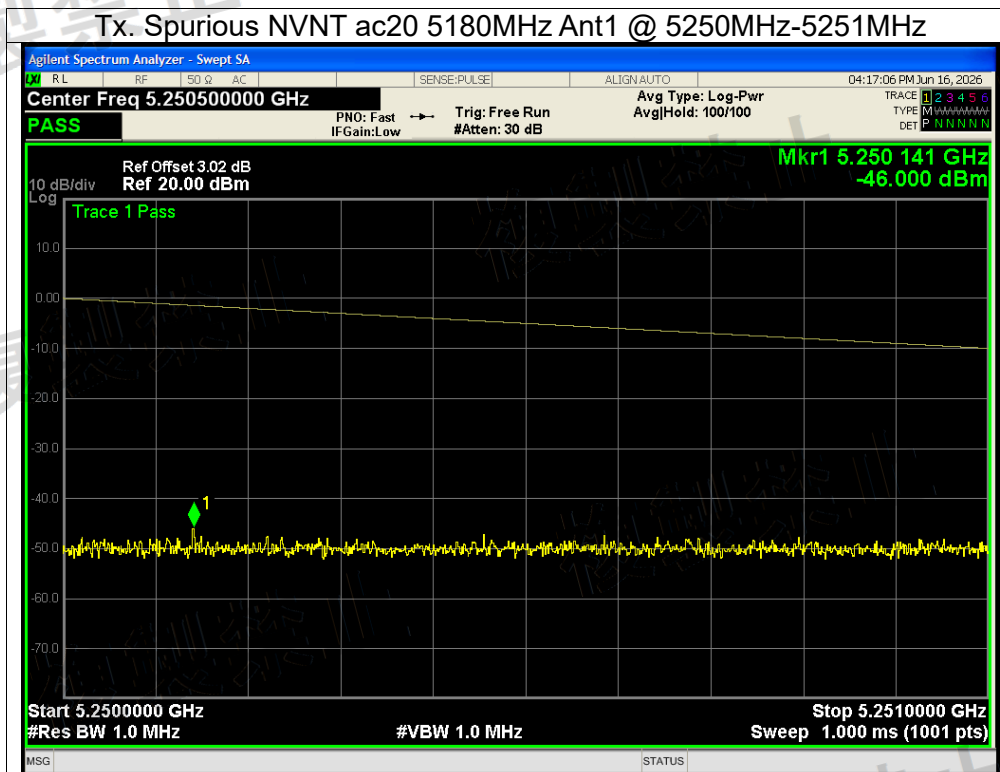


Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5142MHz-5150MHz

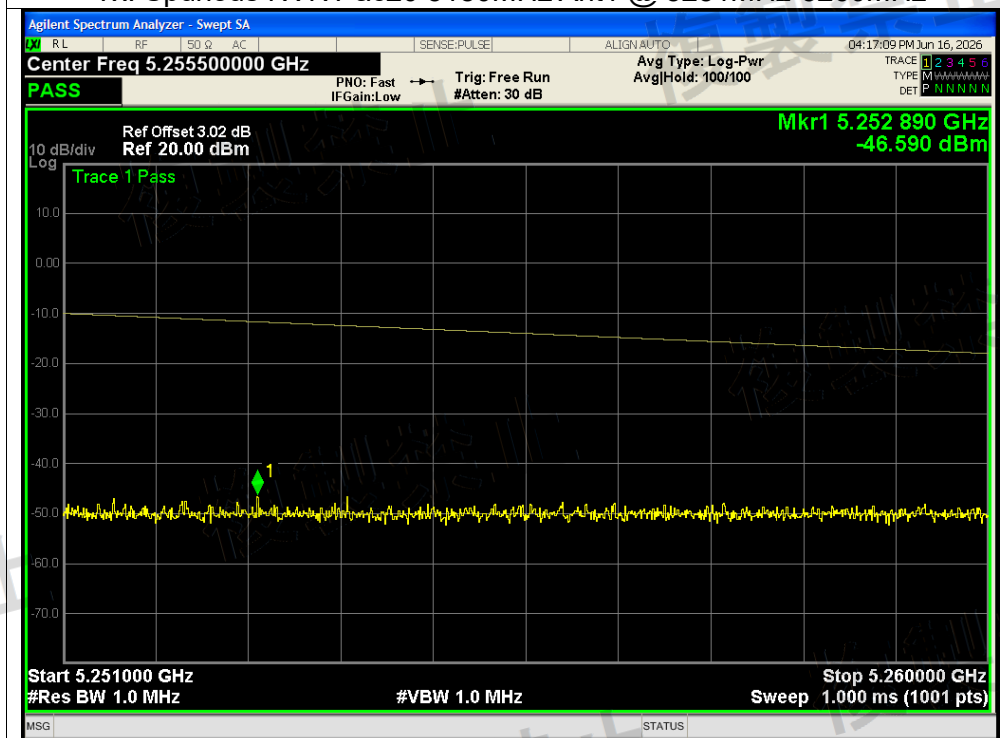




Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5250MHz-5251MHz

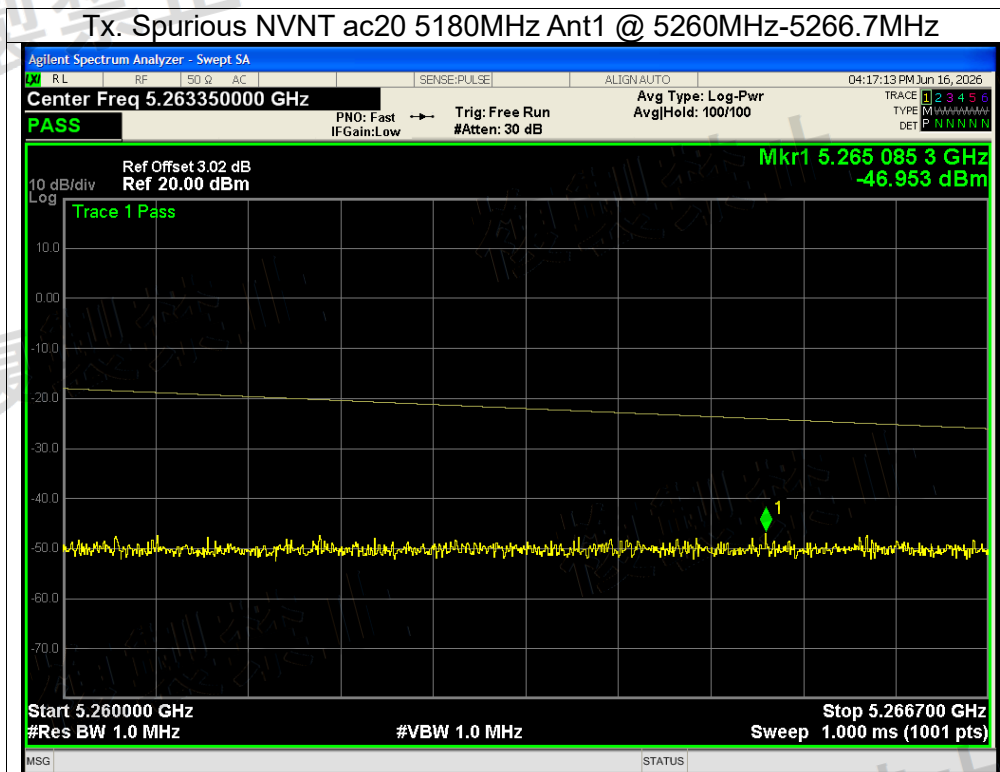


Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5251MHz-5260MHz

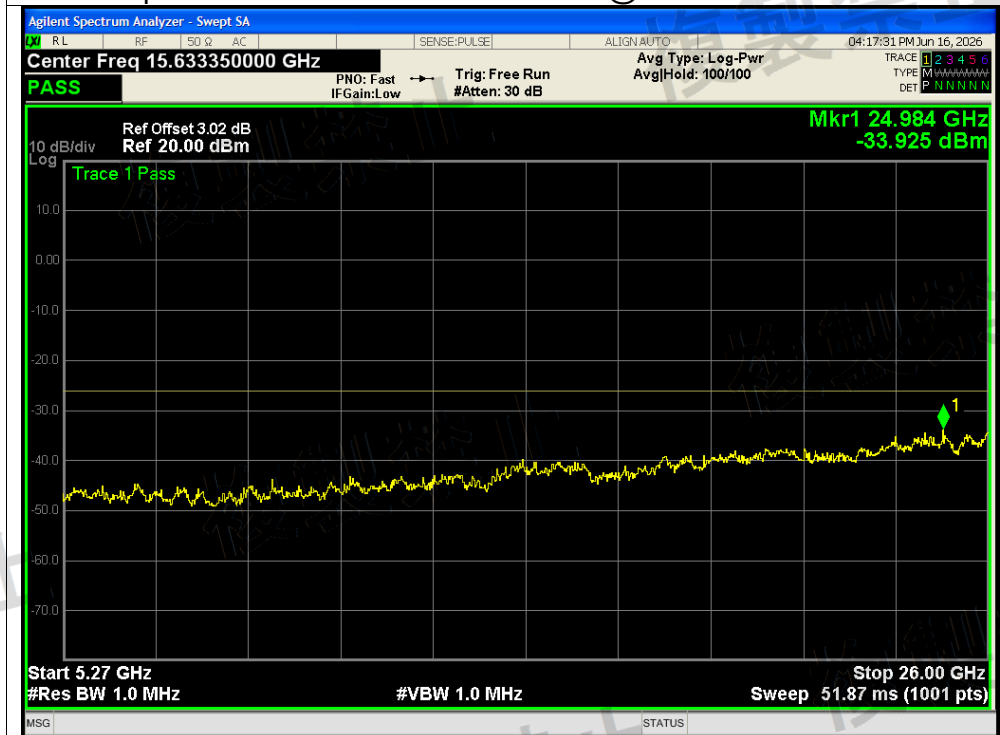




Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5260MHz-5266.7MHz

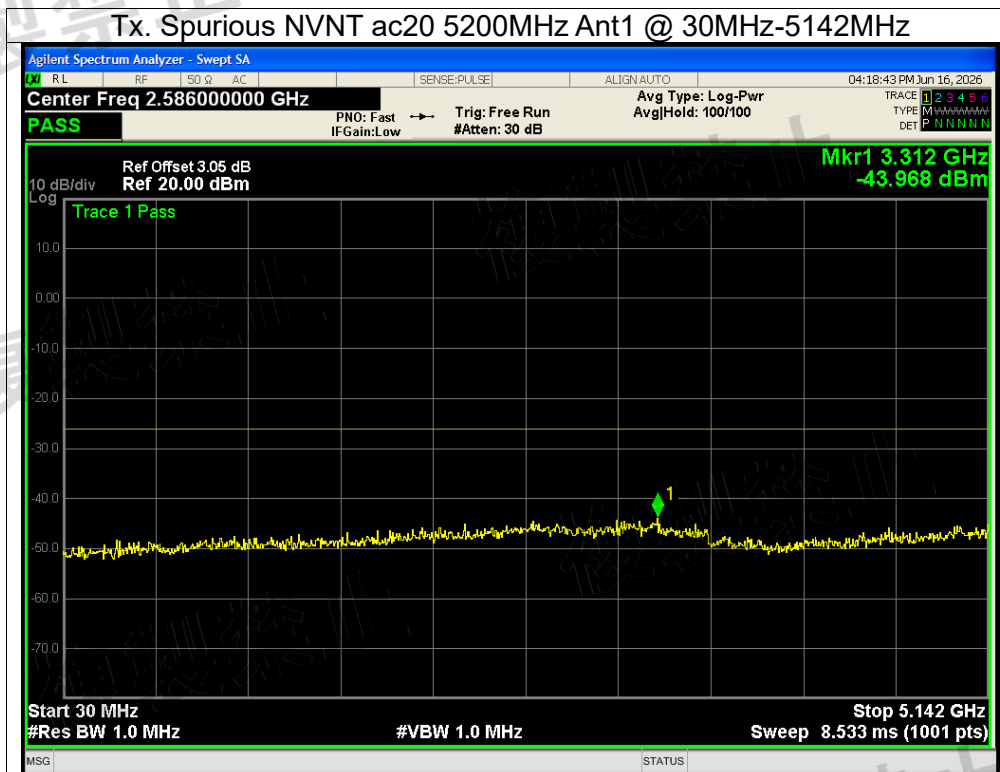


Tx. Spurious NVNT ac20 5180MHz Ant1 @ 5266.7MHz-26000MHz

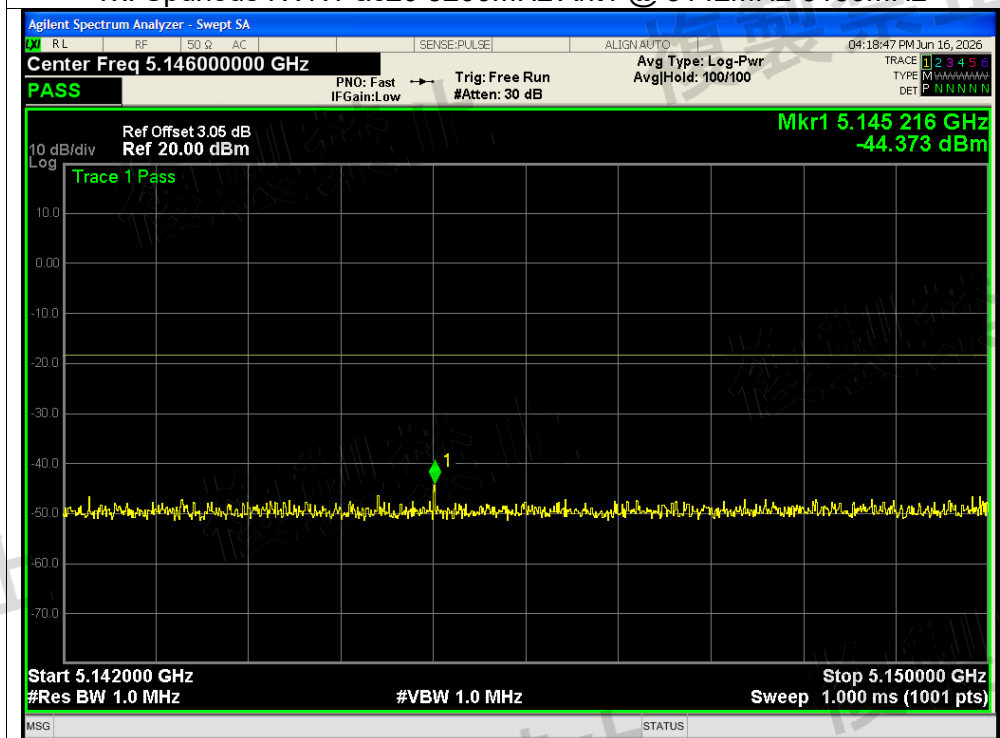




Tx. Spurious NVNT ac20 5200MHz Ant1 @ 30MHz-5142MHz

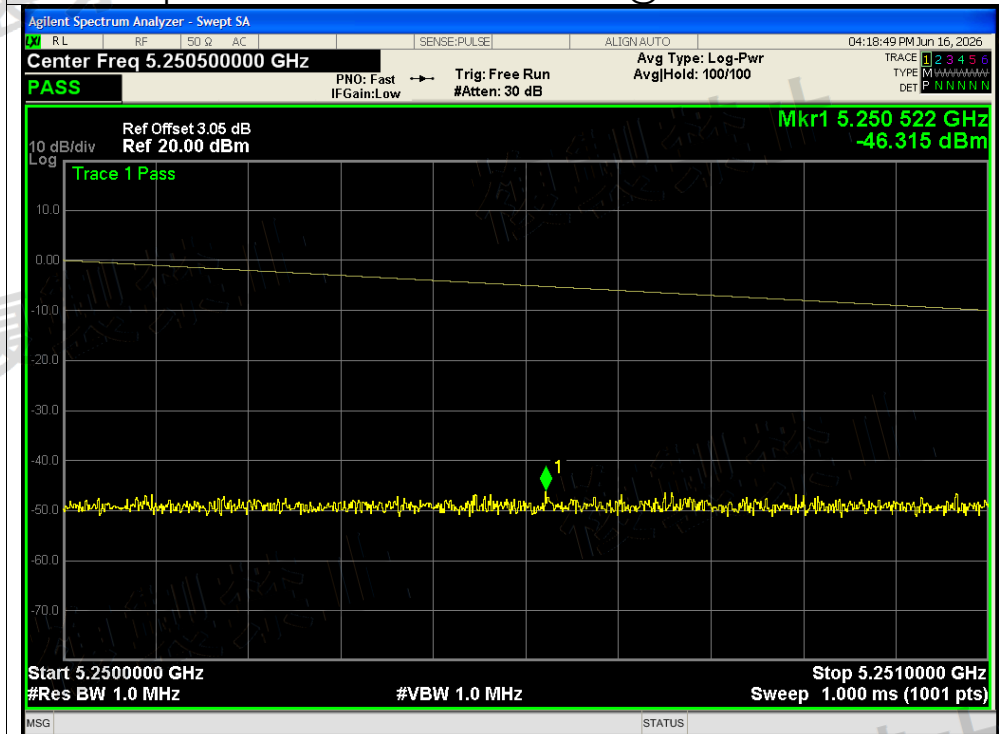


Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5142MHz-5150MHz





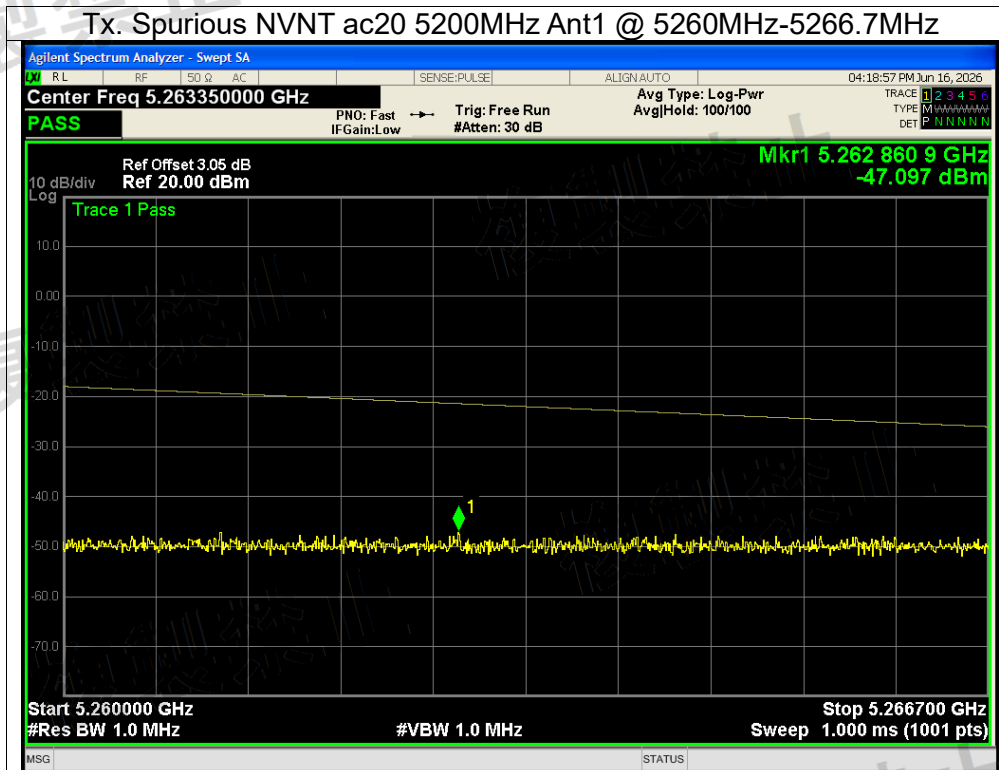
Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5250MHz-5251MHz



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



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

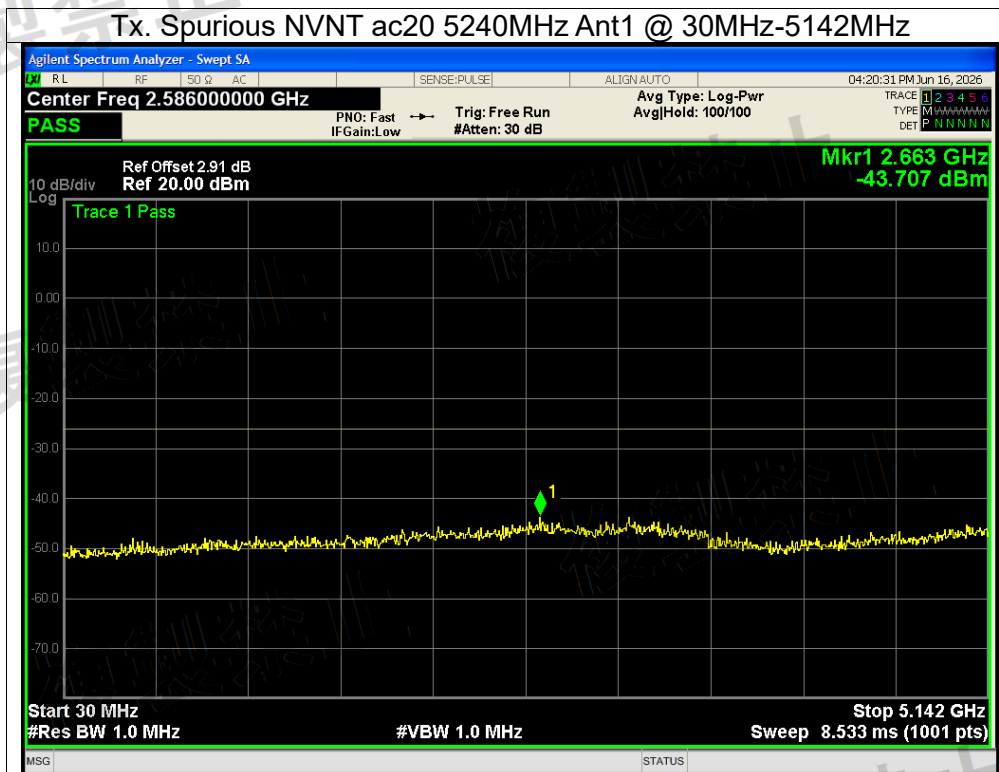


Tx. Spurious NVNT ac20 5200MHz Ant1 @ 5266.7MHz-26000MHz

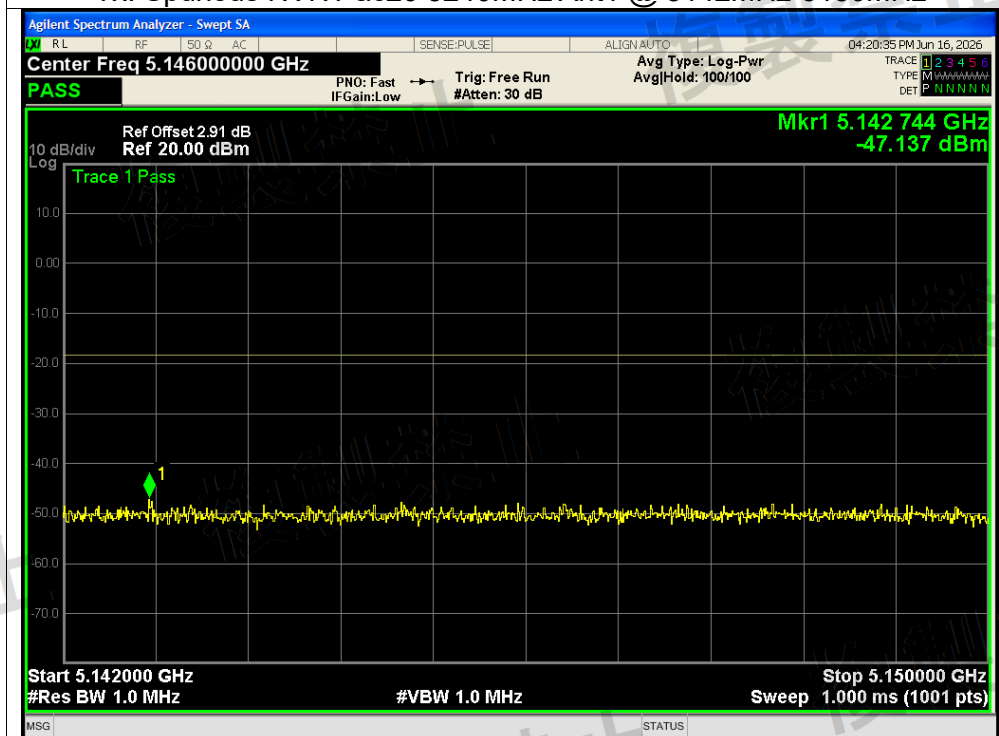




Tx. Spurious NVNT ac20 5240MHz Ant1 @ 30MHz-5142MHz

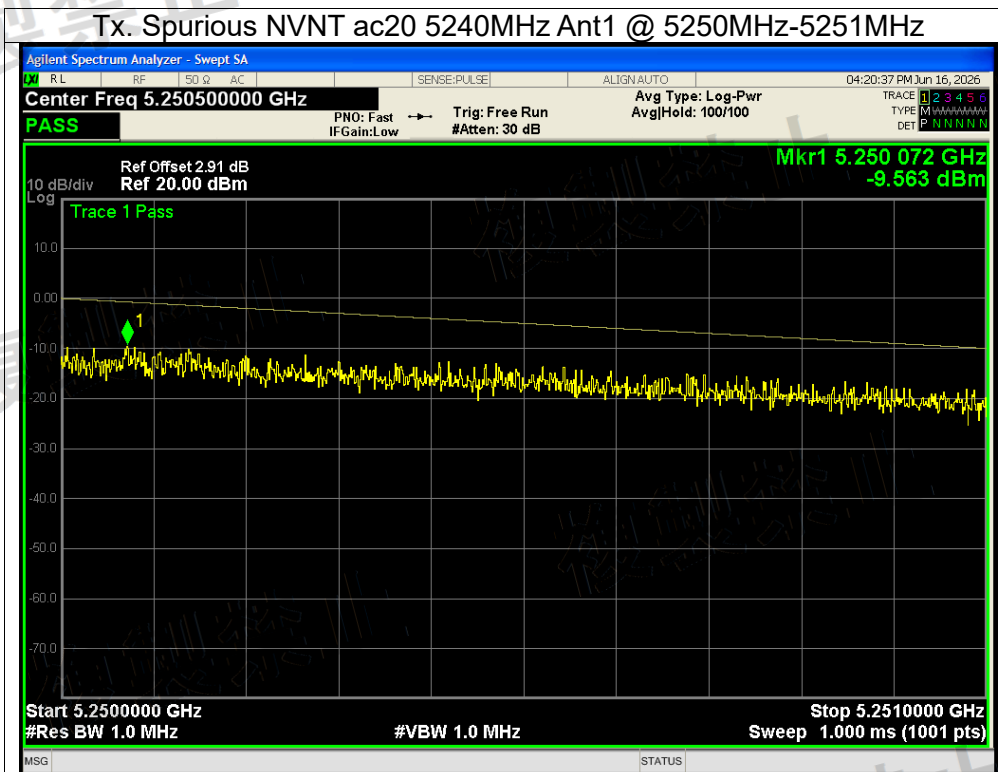


Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5142MHz-5150MHz

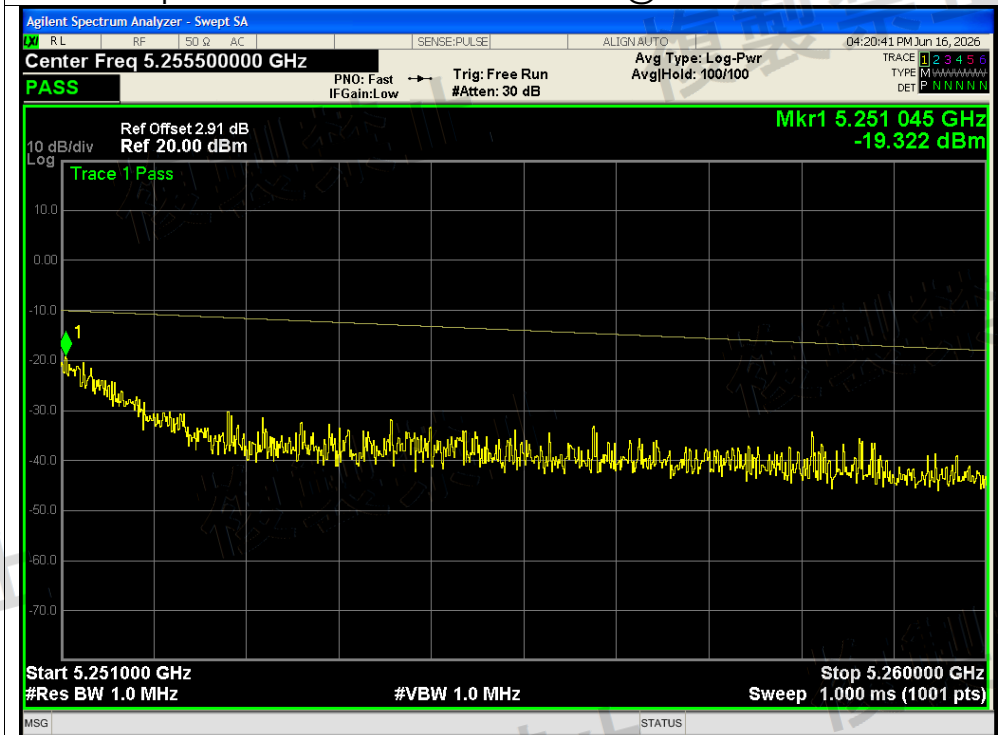




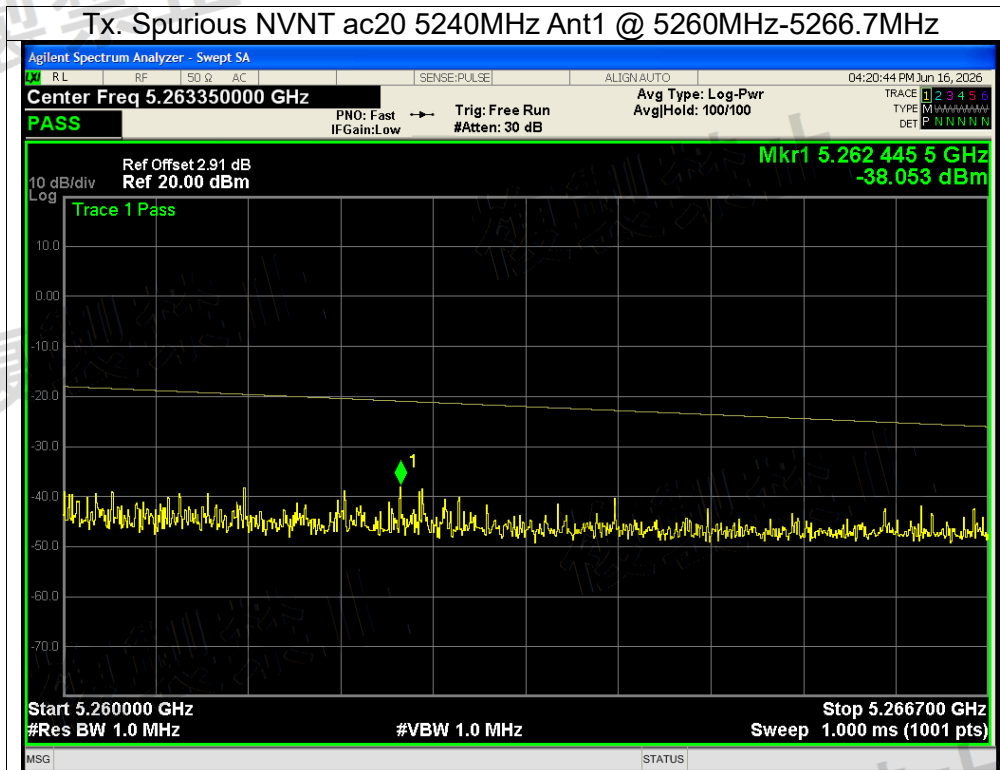
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5250MHz-5251MHz



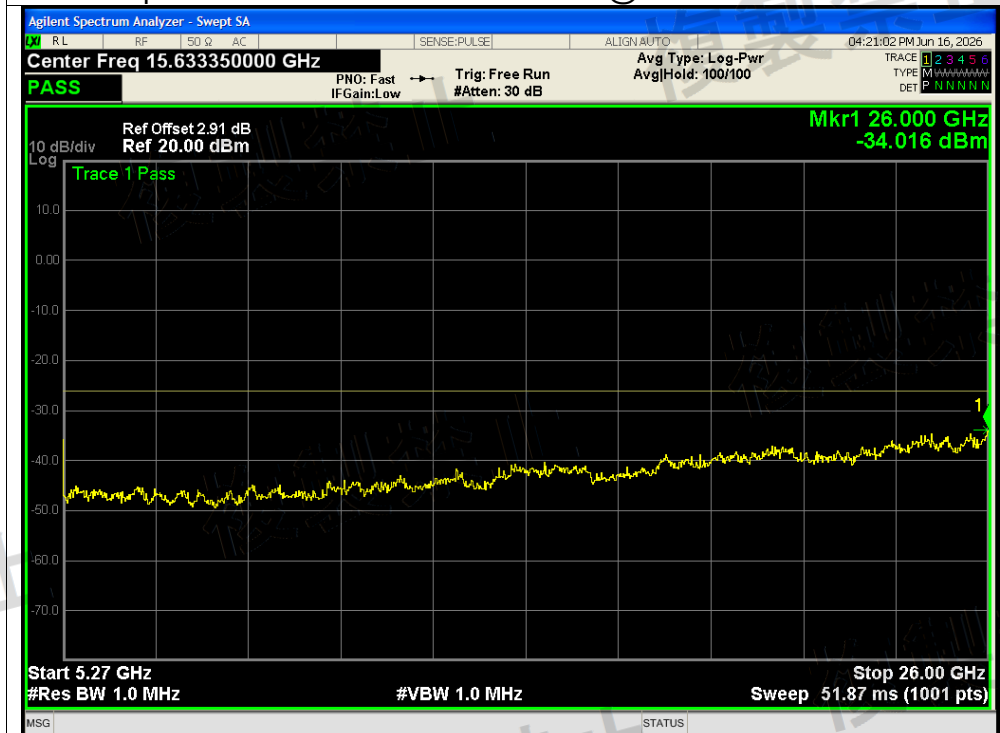
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5251MHz-5260MHz

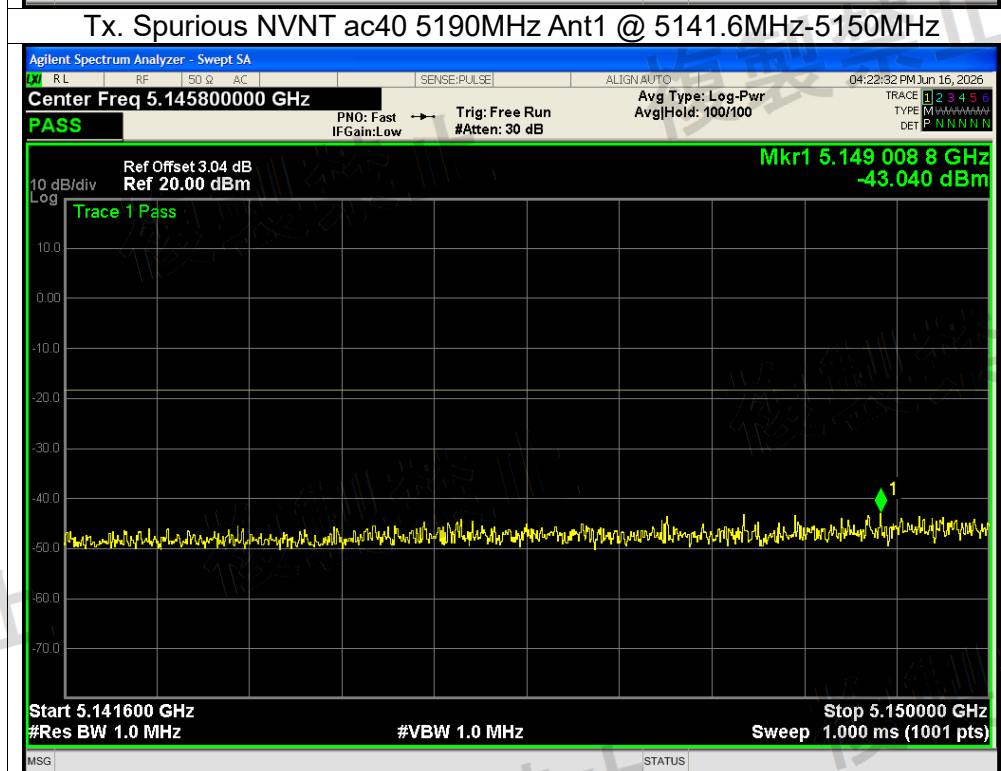
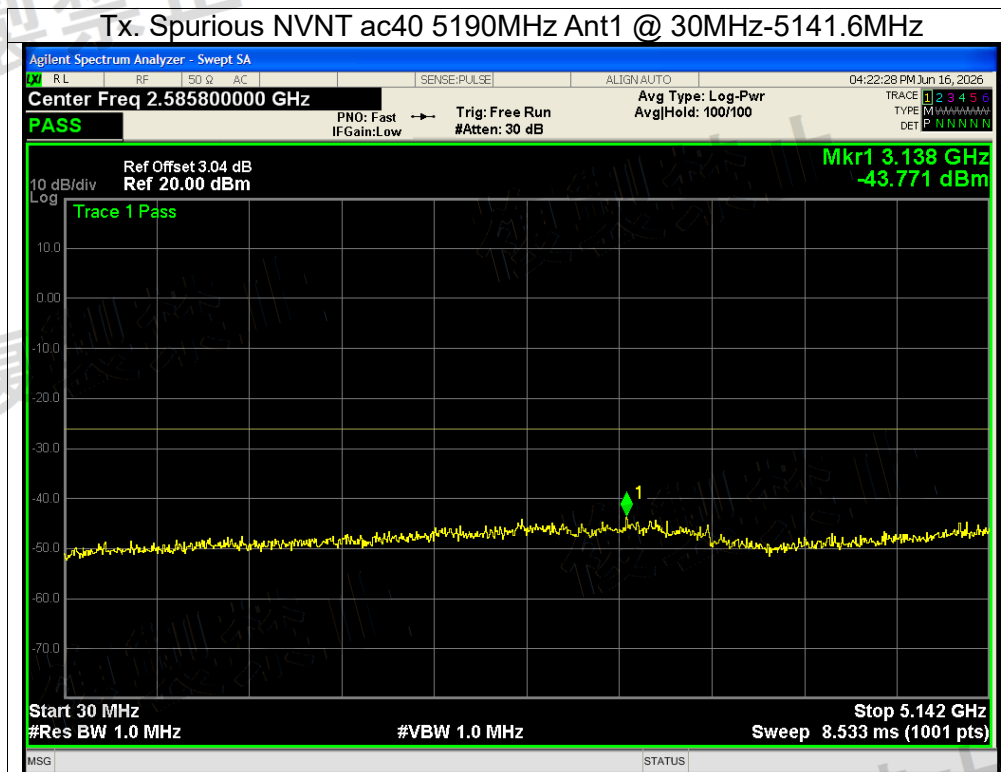


Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5260MHz-5266.7MHz



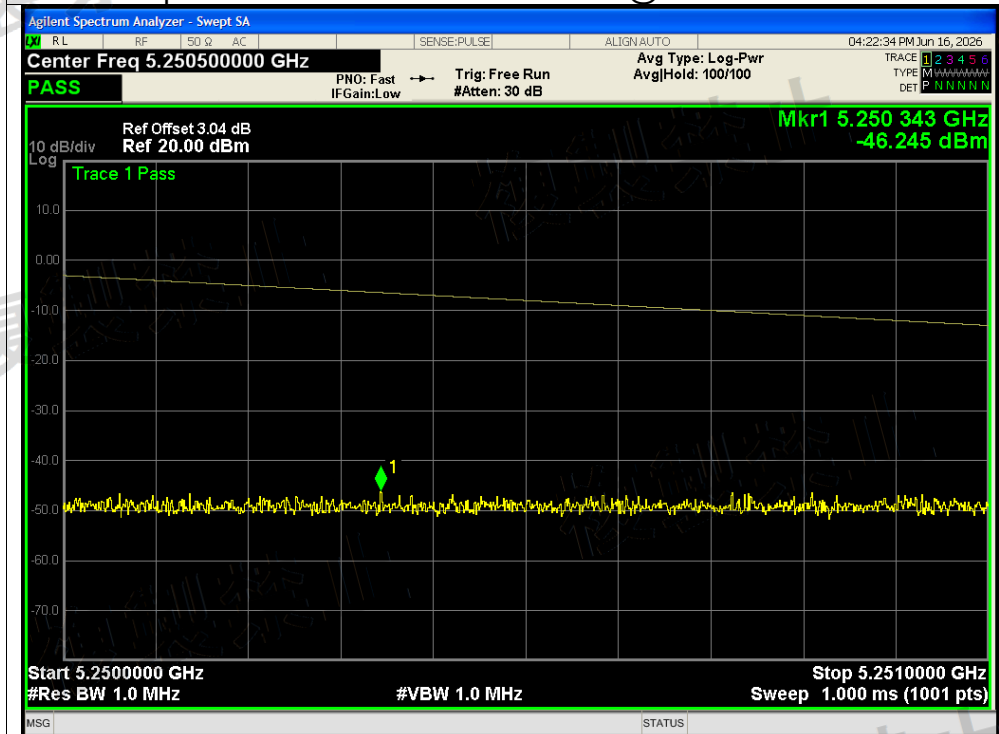
Tx. Spurious NVNT ac20 5240MHz Ant1 @ 5266.7MHz-26000MHz



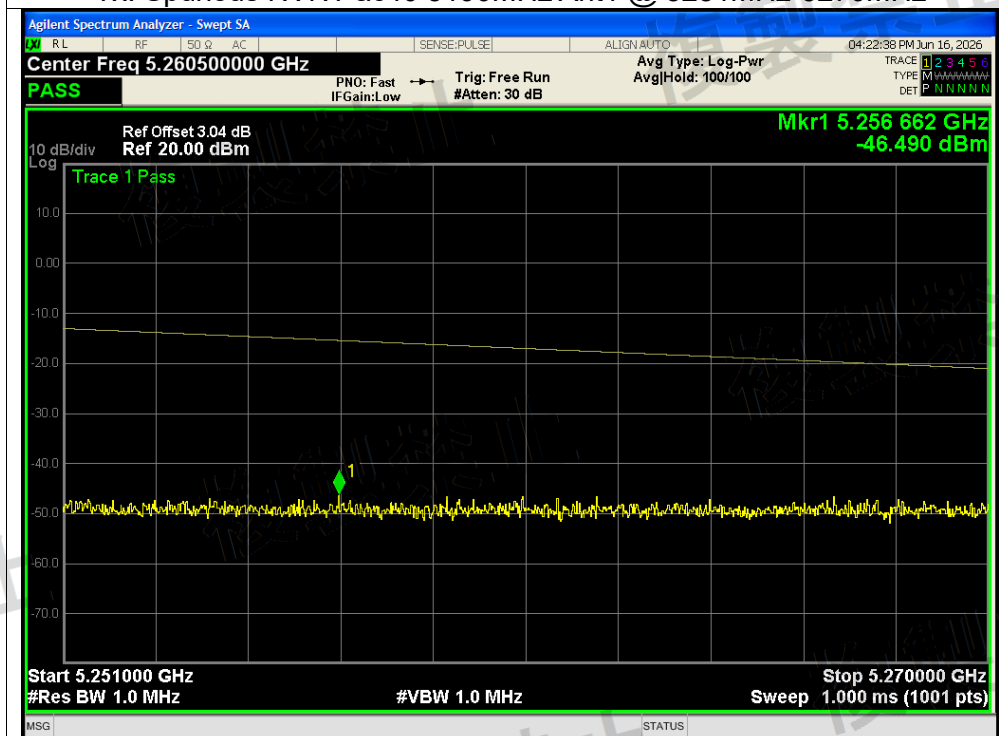




Tx. Spurious NVNT ac40 5190MHz Ant1 @ 5250MHz-5251MHz

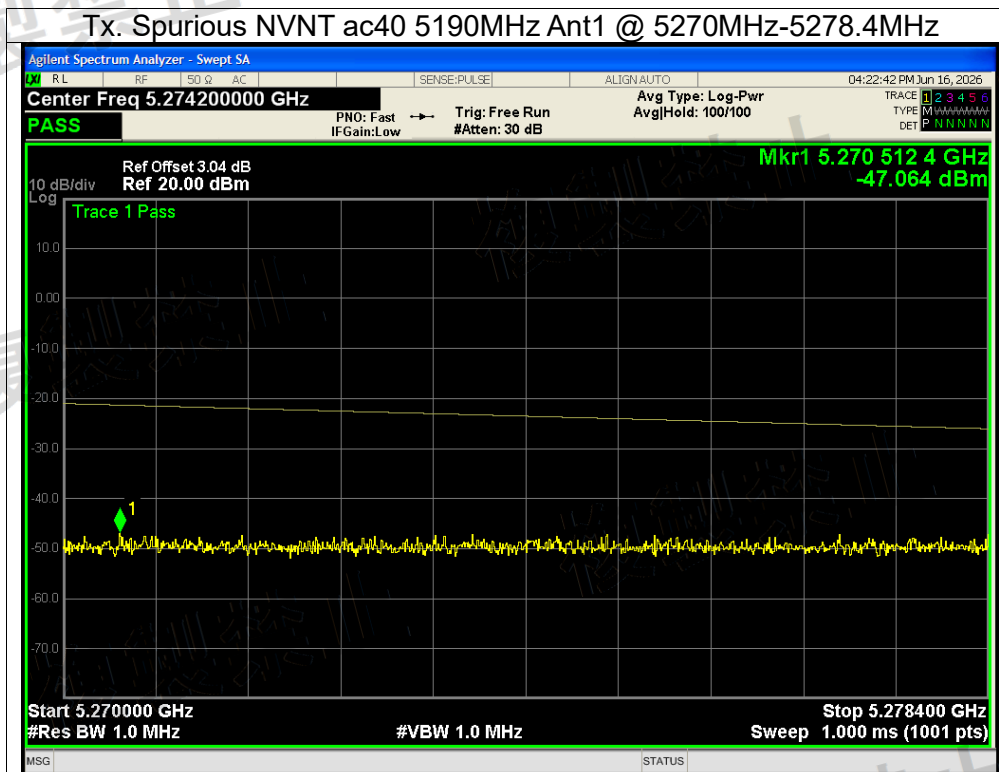


Tx. Spurious NVNT ac40 5190MHz Ant1 @ 5251MHz-5270MHz

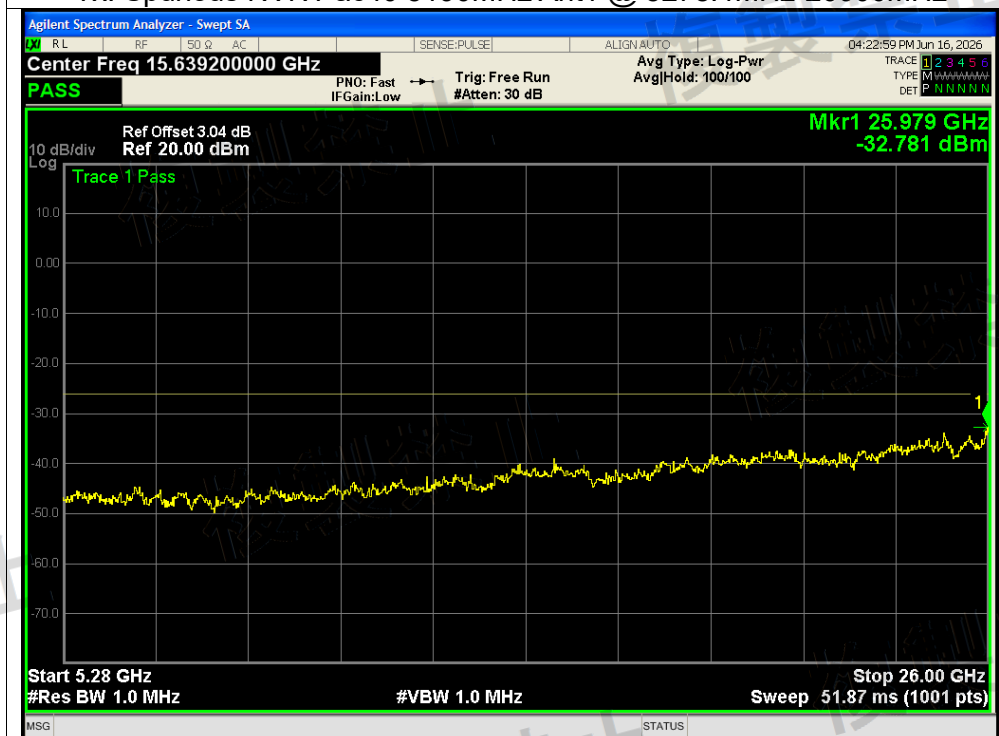


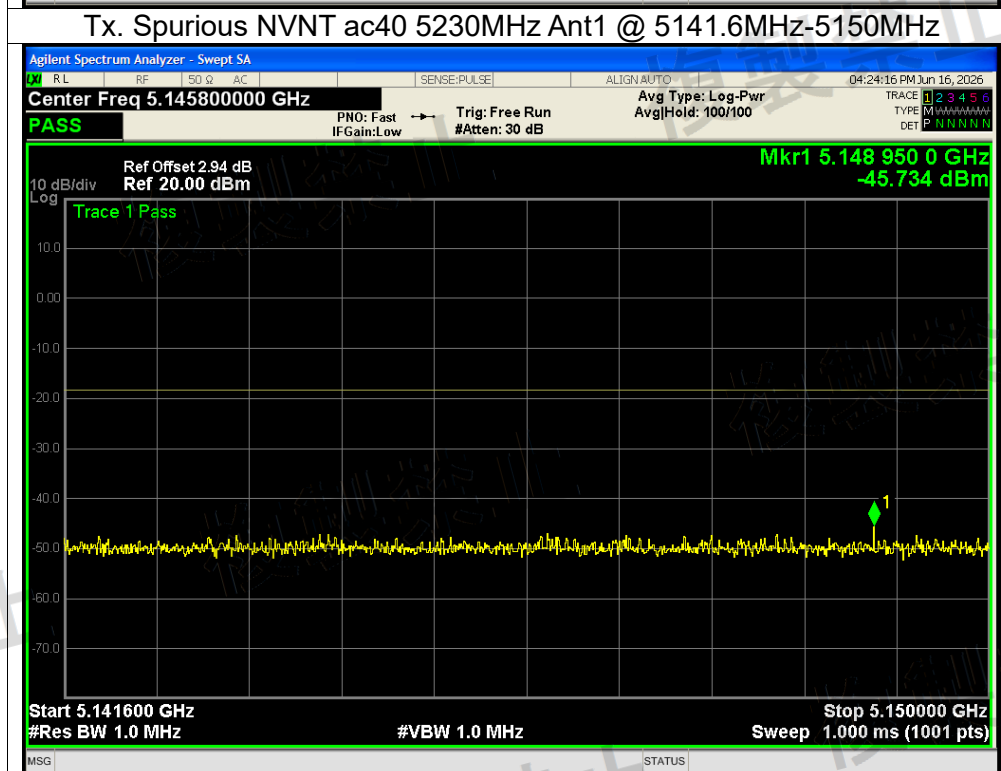
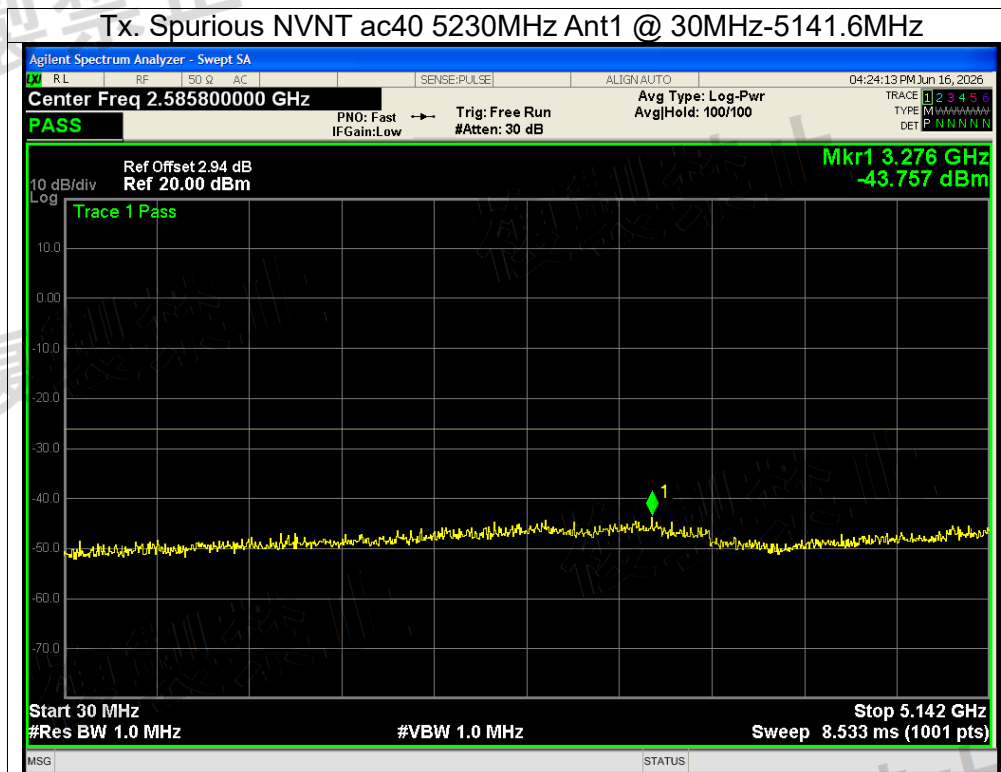


Tx. Spurious NVNT ac40 5190MHz Ant1 @ 5270MHz-5278.4MHz



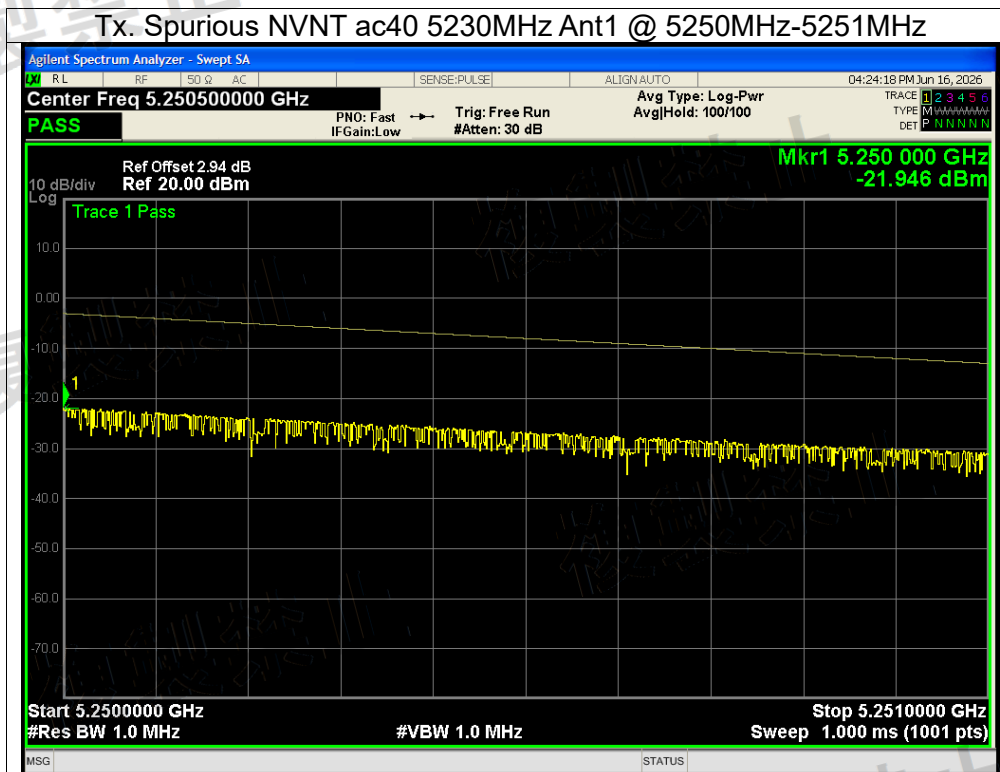
Tx. Spurious NVNT ac40 5190MHz Ant1 @ 5278.4MHz-26000MHz







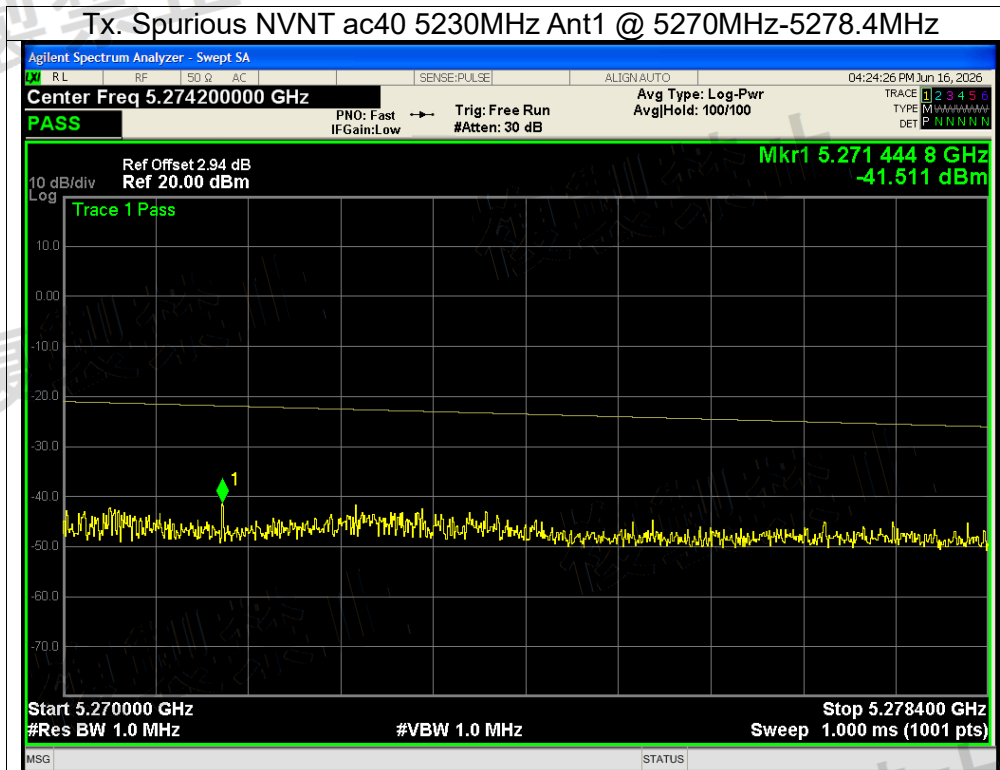
Tx. Spurious NVNT ac40 5230MHz Ant1 @ 5250MHz-5251MHz



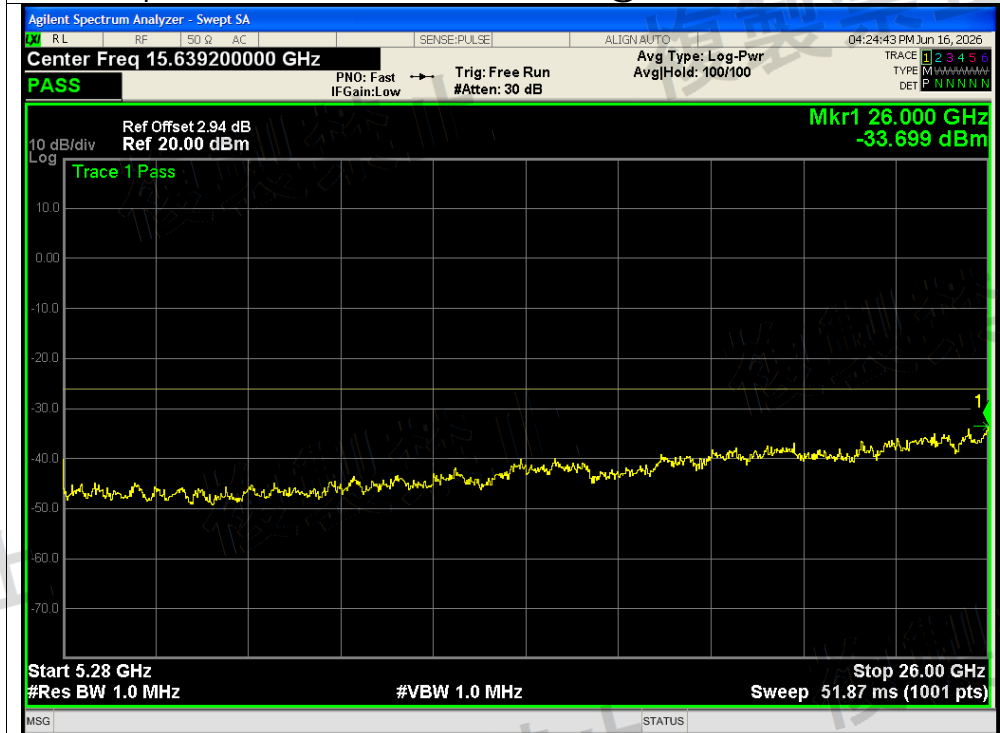
Tx. Spurious NVNT ac40 5230MHz Ant1 @ 5251MHz-5270MHz



Tx. Spurious NVNT ac40 5230MHz Ant1 @ 5270MHz-5278.4MHz

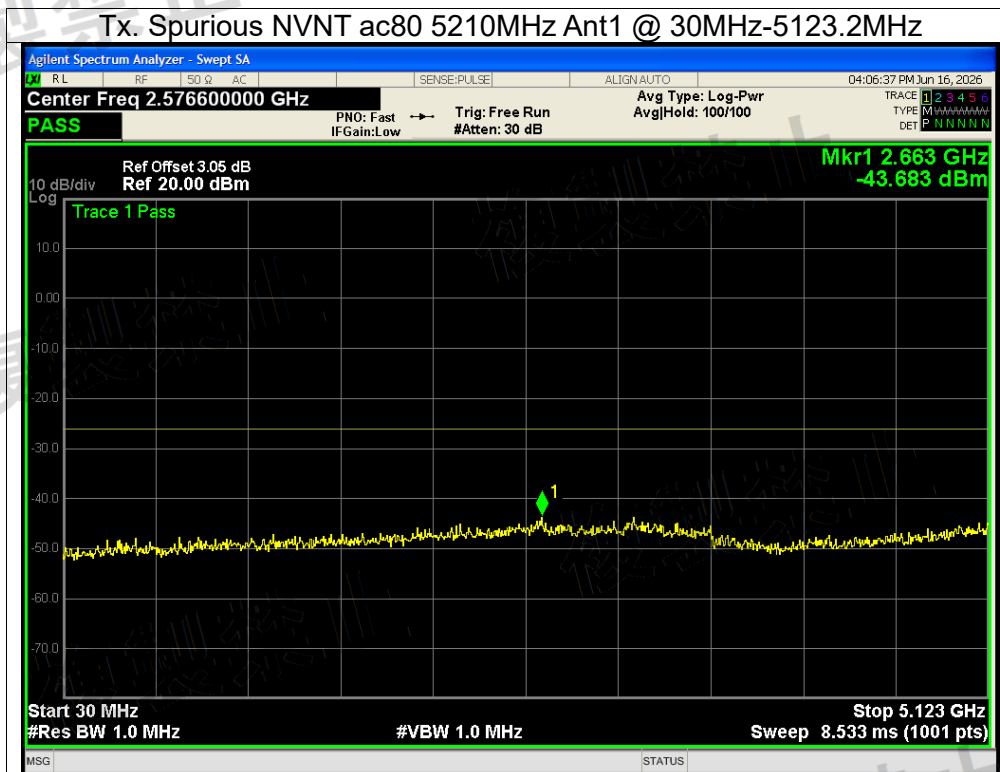


Tx. Spurious NVNT ac40 5230MHz Ant1 @ 5278.4MHz-26000MHz

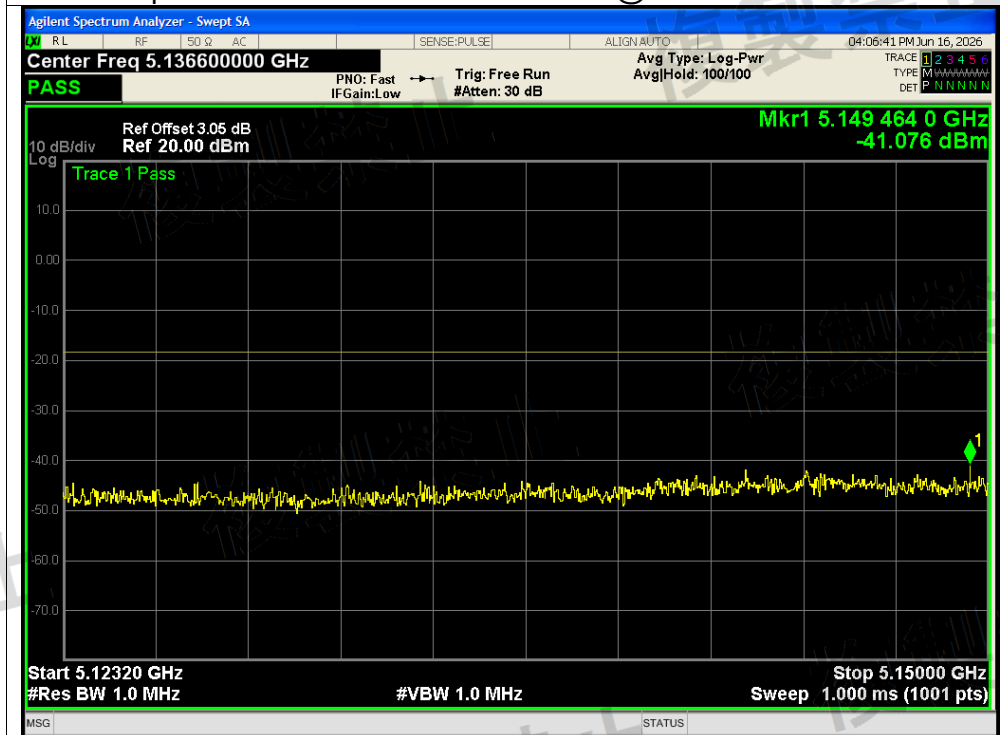




Tx. Spurious NVNT ac80 5210MHz Ant1 @ 30MHz-5123.2MHz



Tx. Spurious NVNT ac80 5210MHz Ant1 @ 5123.2MHz-5150MHz

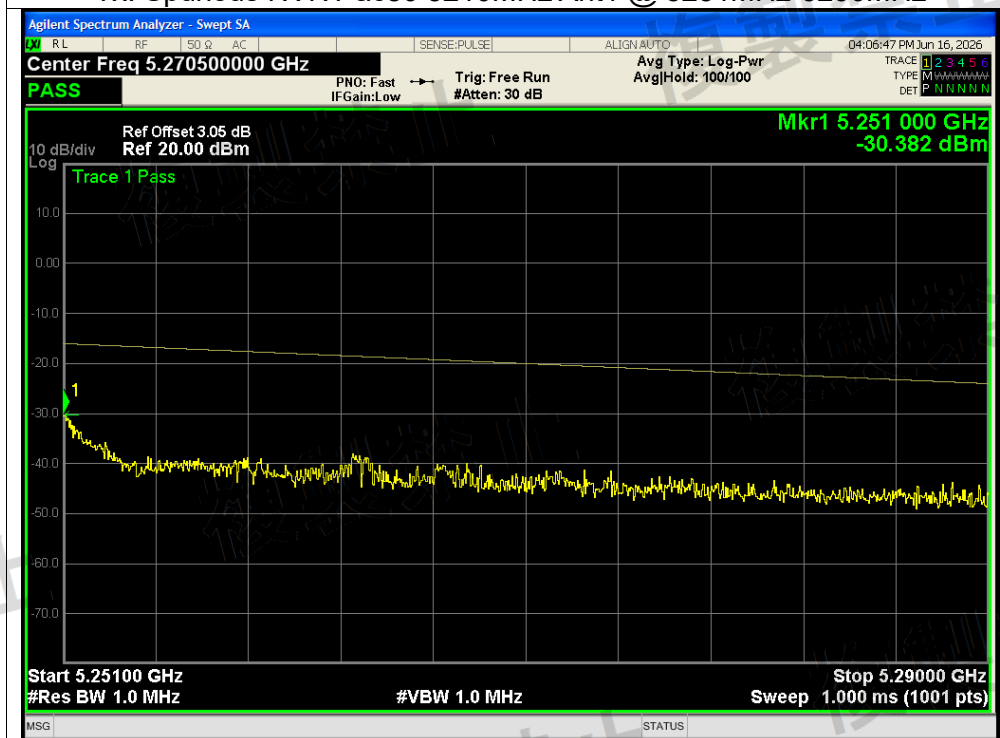




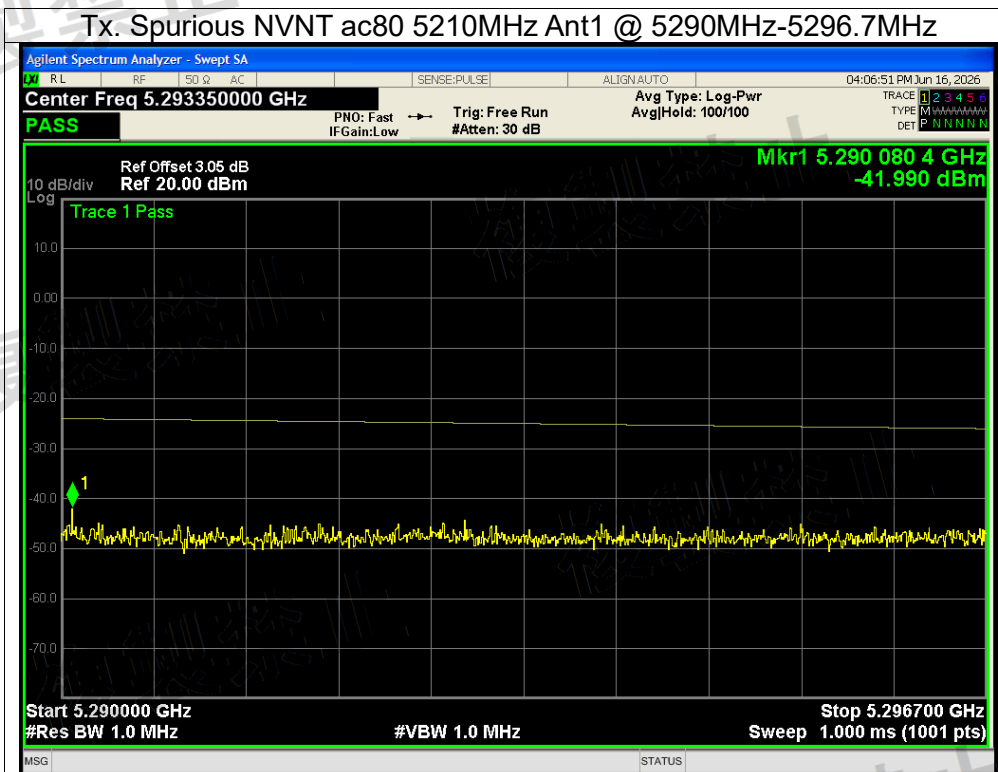
Tx. Spurious NVNT ac80 5210MHz Ant1 @ 5250MHz-5251MHz



Tx. Spurious NVNT ac80 5210MHz Ant1 @ 5251MHz-5290MHz



Tx. Spurious NVNT ac80 5210MHz Ant1 @ 5290MHz-5296.7MHz



Tx. Spurious NVNT ac80 5210MHz Ant1 @ 5296.7MHz-26000MHz





7. ADJACENT CHANNEL EMITTED POWER MEASUREMENT

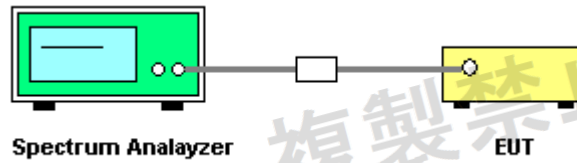
7.1 LIMIT

Item	LIMIT
Adjacent channel leakage power	$\leq -25\text{dBc}$ (within $\pm 10\text{MHz}$ band at $\pm 20\text{MHz}$ spacing) $\text{OBW} \leq 20\text{MHz}$
	$\leq -40\text{dBc}$ (within $\pm 10\text{MHz}$ band at $\pm 40\text{MHz}$ spacing) $\text{OBW} \leq 20\text{MHz}$
	$\leq -25\text{dBc}$ (within $\pm 20\text{MHz}$ band at $\pm 40\text{MHz}$ spacing) $20\text{MHz} < \text{OBW} \leq 40\text{MHz}$
	$\leq -40\text{dBc}$ (within $\pm 20\text{MHz}$ band at $\pm 80\text{MHz}$ spacing) $20\text{MHz} < \text{OBW} \leq 40\text{MHz}$
	$\leq -25\text{dBc}$ (within $\pm 40\text{MHz}$ band at $\pm 80\text{MHz}$ spacing) $40\text{MHz} < \text{OBW} \leq 80\text{MHz}$

7.2 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

7.3 TEST SETUP



7.4 TEST DEVIATION

There is no deviation with the original standard.

7.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

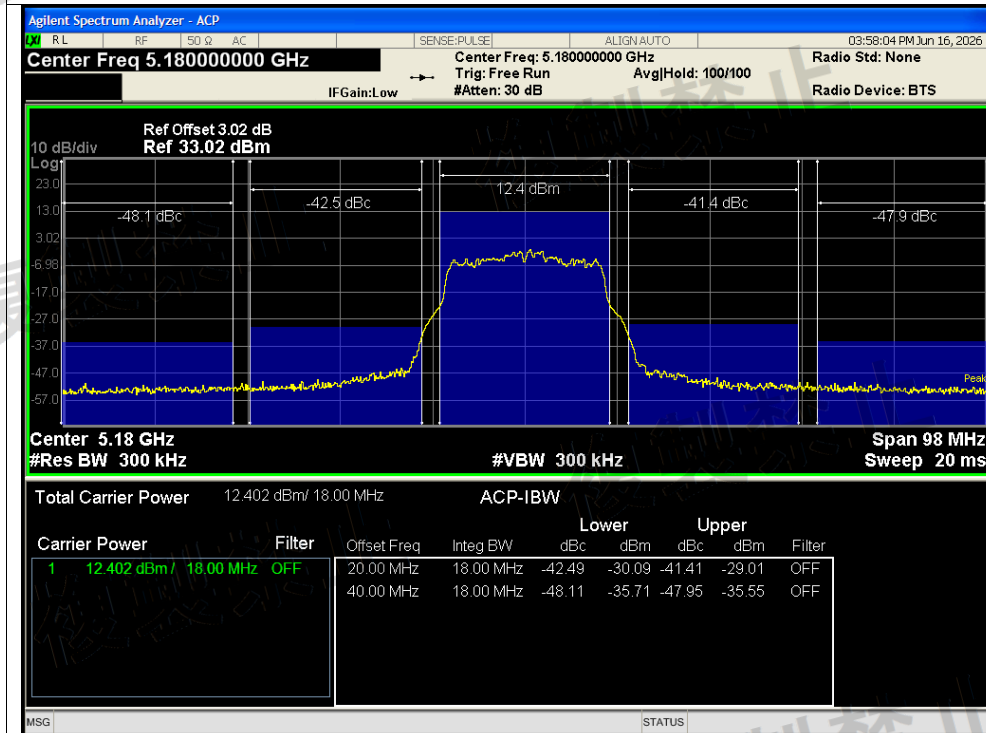
Condition	Mode	Frequency (MHz)	Offset (MHz)	Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	-20	-42.49	-25	Pass
NVNT	a	5180	-40	-48.11	-40	Pass
NVNT	a	5180	20	-41.41	-25	Pass
NVNT	a	5180	40	-47.95	-40	Pass
NVNT	a	5200	-20	-42.37	-25	Pass
NVNT	a	5200	-40	-49.19	-40	Pass
NVNT	a	5200	20	-40.54	-25	Pass
NVNT	a	5200	40	-48.86	-40	Pass
NVNT	a	5240	-20	-41.26	-25	Pass
NVNT	a	5240	-40	-49.09	-40	Pass
NVNT	a	5240	20	-41.19	-25	Pass
NVNT	a	5240	40	-49.08	-40	Pass
NVNT	n20	5180	-20	-41.09	-25	Pass
NVNT	n20	5180	-40	-49.54	-40	Pass
NVNT	n20	5180	20	-40.32	-25	Pass
NVNT	n20	5180	40	-49.6	-40	Pass
NVNT	n20	5200	-20	-40.34	-25	Pass
NVNT	n20	5200	-40	-49.34	-40	Pass
NVNT	n20	5200	20	-39.6	-25	Pass
NVNT	n20	5200	40	-49.11	-40	Pass
NVNT	n20	5240	-20	-42.63	-25	Pass



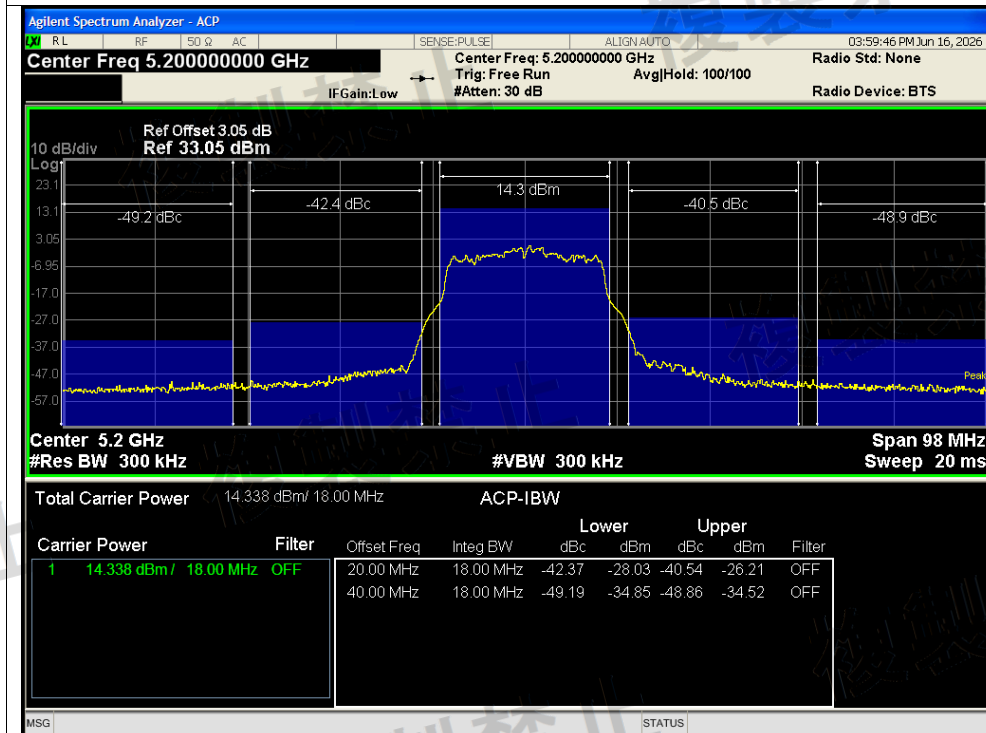
NVNT	n20	5240	-40	-49.76	-40	Pass
NVNT	n20	5240	20	-40.46	-25	Pass
NVNT	n20	5240	40	-49.53	-40	Pass
NVNT	n40	5190	-40	-40.82	-25	Pass
NVNT	n40	5190	-80	-46.53	-40	Pass
NVNT	n40	5190	40	-38.86	-25	Pass
NVNT	n40	5190	80	-46.36	-40	Pass
NVNT	n40	5230	-40	-41.39	-25	Pass
NVNT	n40	5230	-80	-46.65	-40	Pass
NVNT	n40	5230	40	-38.46	-25	Pass
NVNT	n40	5230	80	-46.21	-40	Pass
NVNT	ac20	5180	-20	-41.13	-25	Pass
NVNT	ac20	5180	-40	-49.8	-40	Pass
NVNT	ac20	5180	20	-40.71	-25	Pass
NVNT	ac20	5180	40	-49.56	-40	Pass
NVNT	ac20	5200	-20	-39.86	-25	Pass
NVNT	ac20	5200	-40	-49.68	-40	Pass
NVNT	ac20	5200	20	-39.9	-25	Pass
NVNT	ac20	5200	40	-49.34	-40	Pass
NVNT	ac20	5240	-20	-42	-25	Pass
NVNT	ac20	5240	-40	-49.97	-40	Pass
NVNT	ac20	5240	20	-40.3	-25	Pass
NVNT	ac20	5240	40	-49.41	-40	Pass
NVNT	ac40	5190	-40	-39.18	-25	Pass
NVNT	ac40	5190	-80	-46.62	-40	Pass
NVNT	ac40	5190	40	-38.5	-25	Pass
NVNT	ac40	5190	80	-46.33	-40	Pass
NVNT	ac40	5230	-40	-39.75	-25	Pass
NVNT	ac40	5230	-80	-46.71	-40	Pass
NVNT	ac40	5230	40	-38.49	-25	Pass
NVNT	ac40	5230	80	-46.27	-40	Pass
NVNT	ac80	5210	-80	-38.85	-25	Pass
NVNT	ac80	5210	-160	-43.38	-40	Pass
NVNT	ac80	5210	80	-37.7	-25	Pass
NVNT	ac80	5210	160	-43.03	-40	Pass

Test Graphs

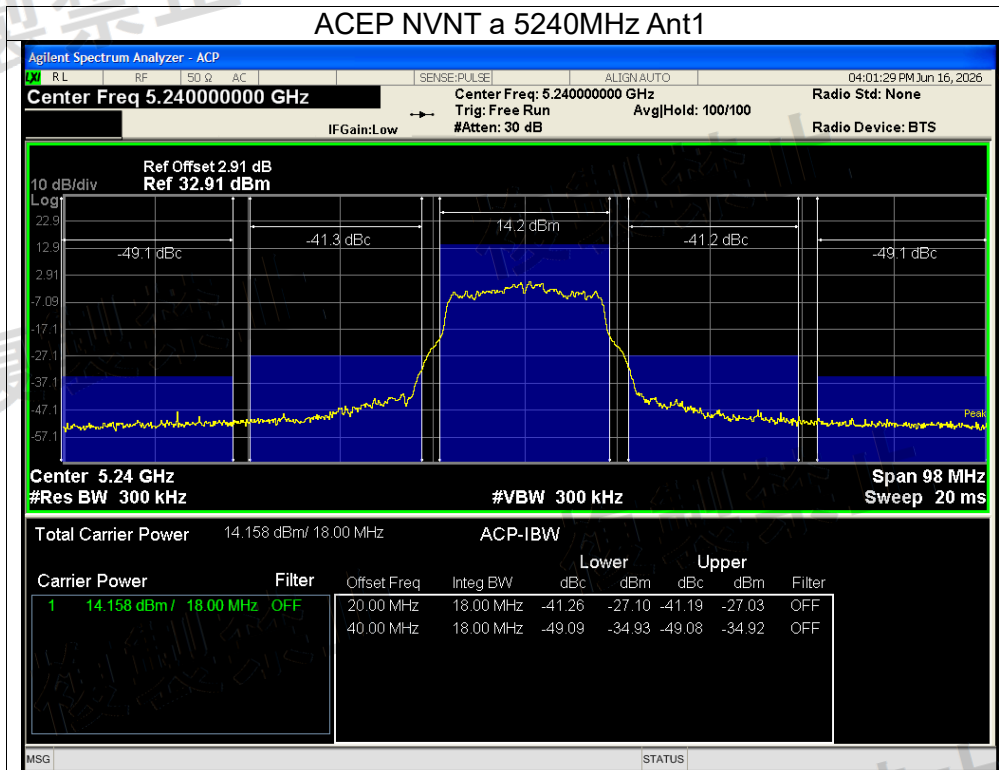
ACEP NVNT a 5180MHz Ant1



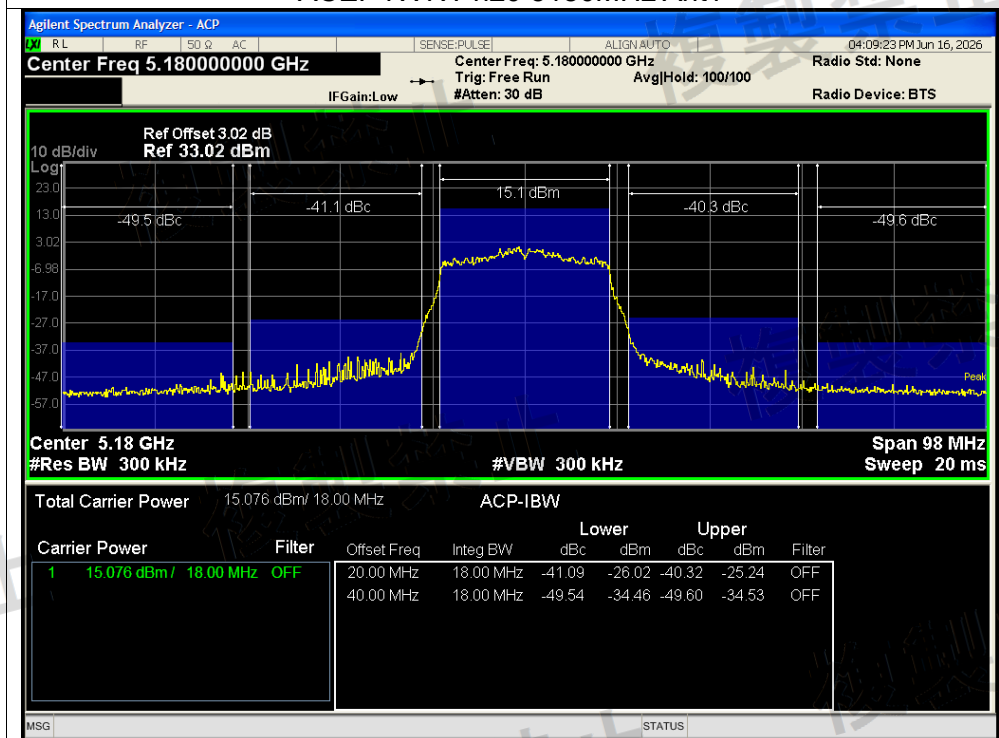
ACEP NVNT a 5200MHz Ant1



ACEP NVNT a 5240MHz Ant1

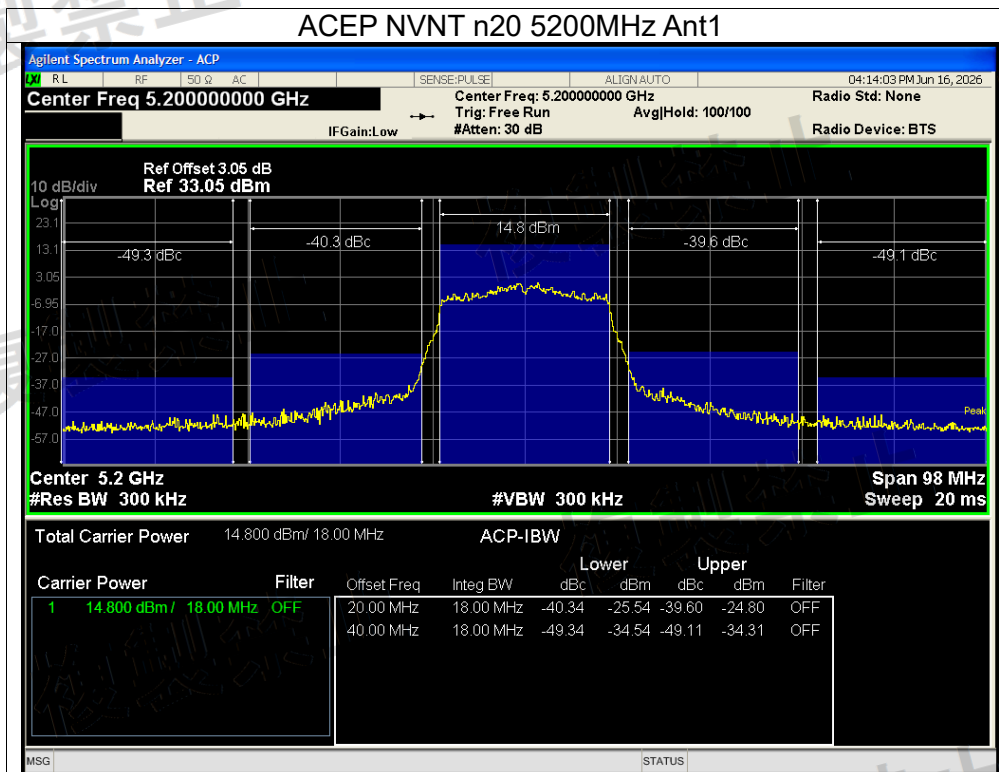


ACEP NVNT n20 5180MHz Ant1

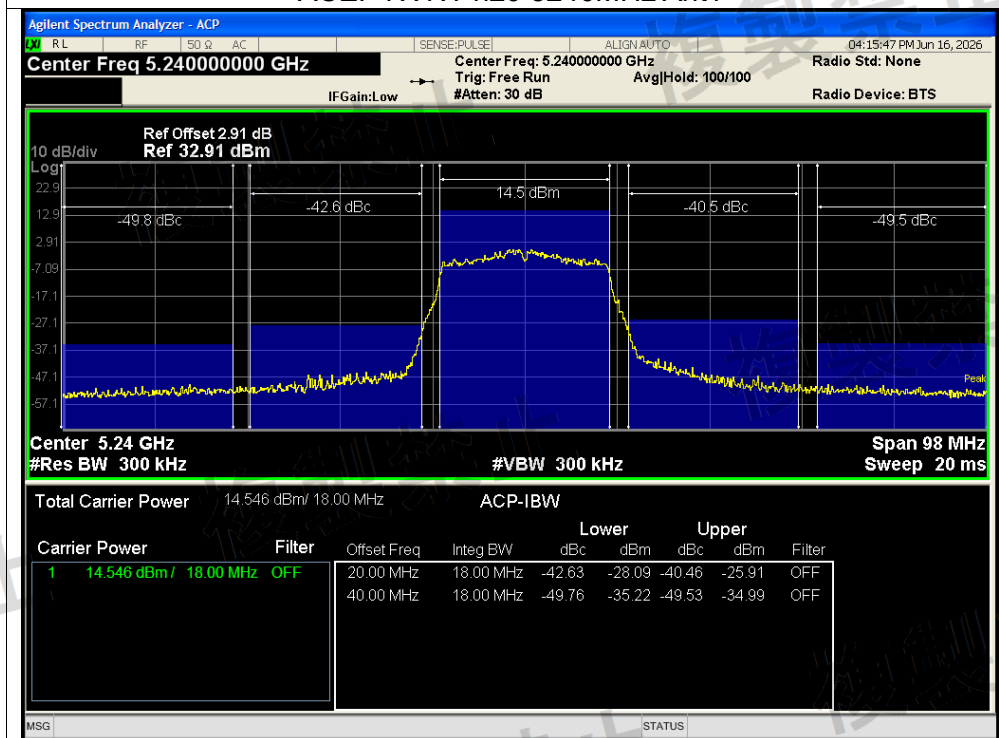




ACEP NVNT n20 5200MHz Ant1

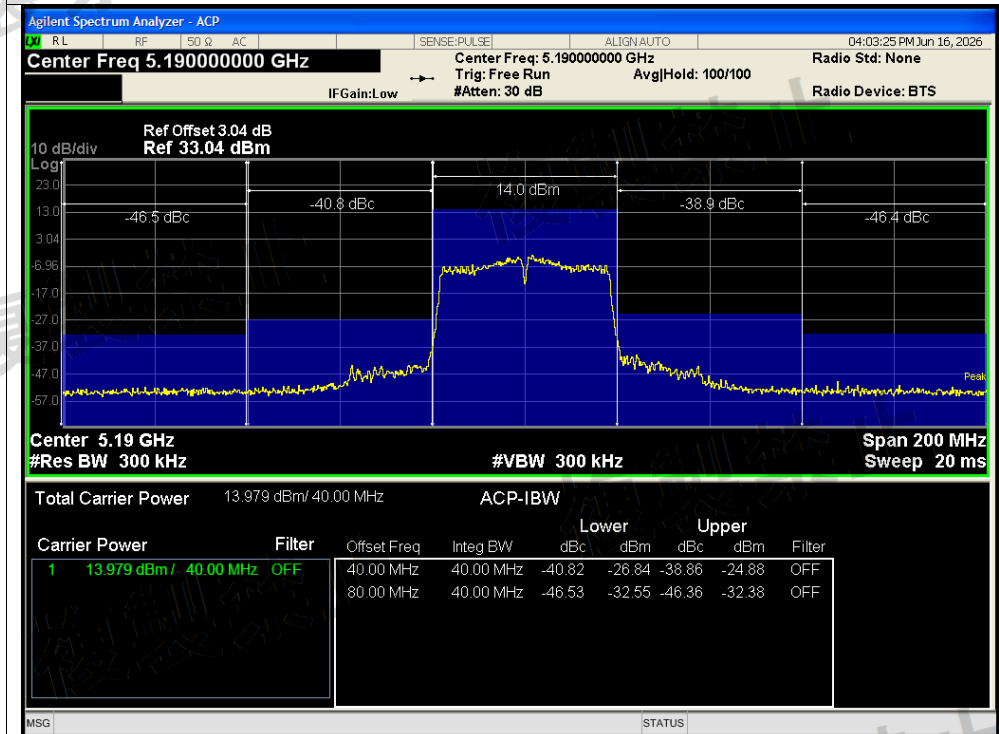


ACEP NVNT n20 5240MHz Ant1

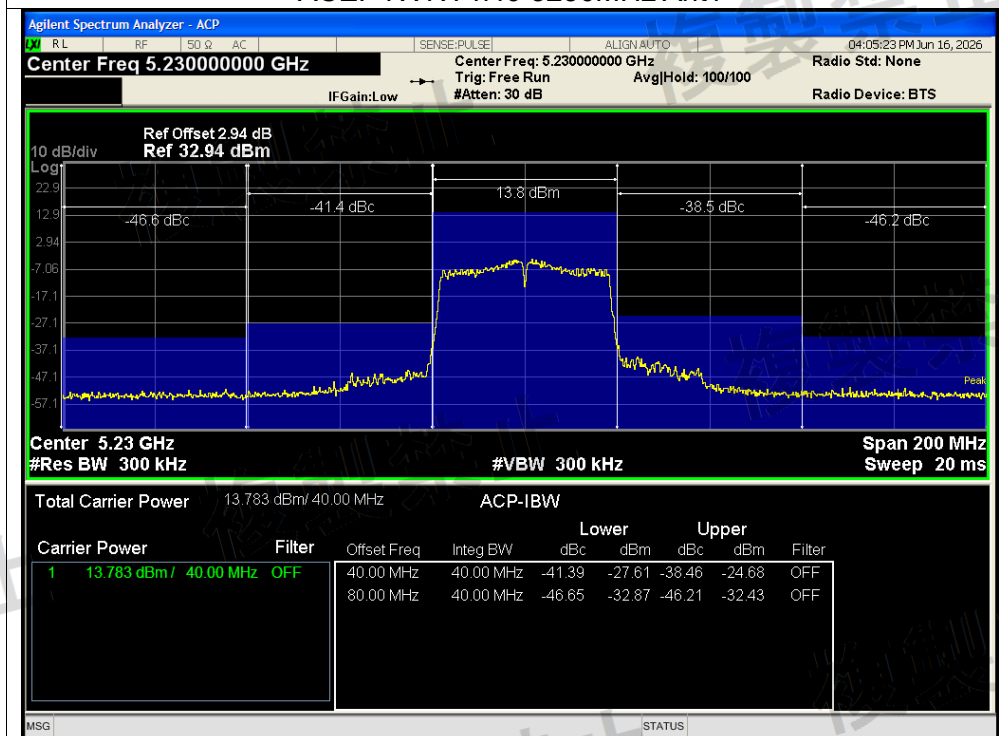




ACEP NVNT n40 5190MHz Ant1

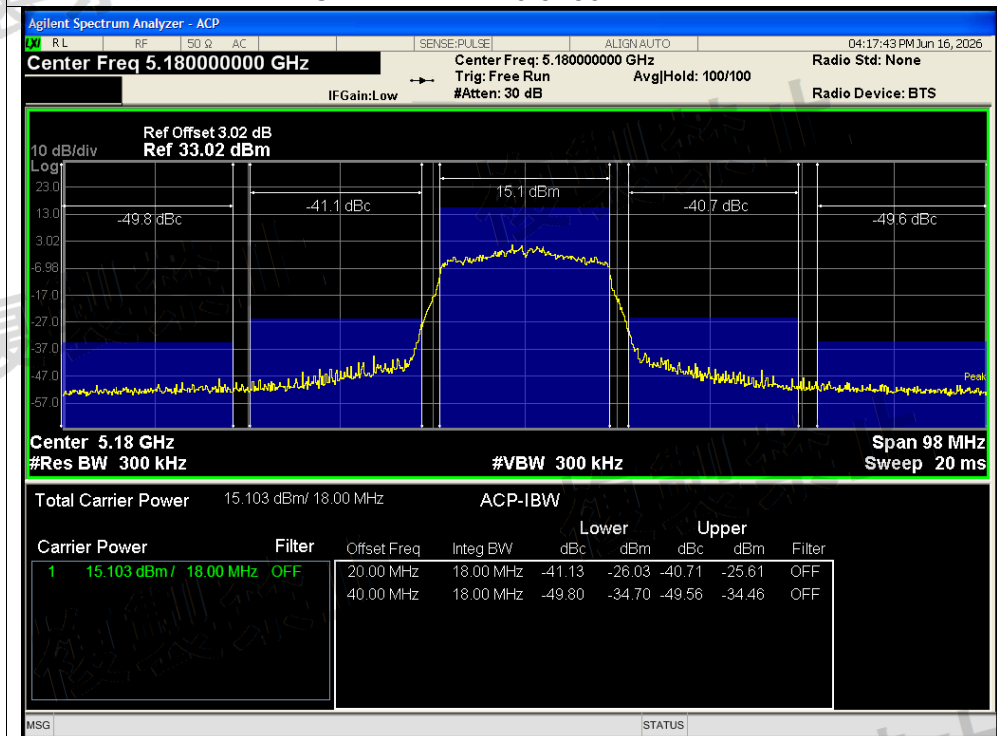


ACEP NVNT n40 5230MHz Ant1

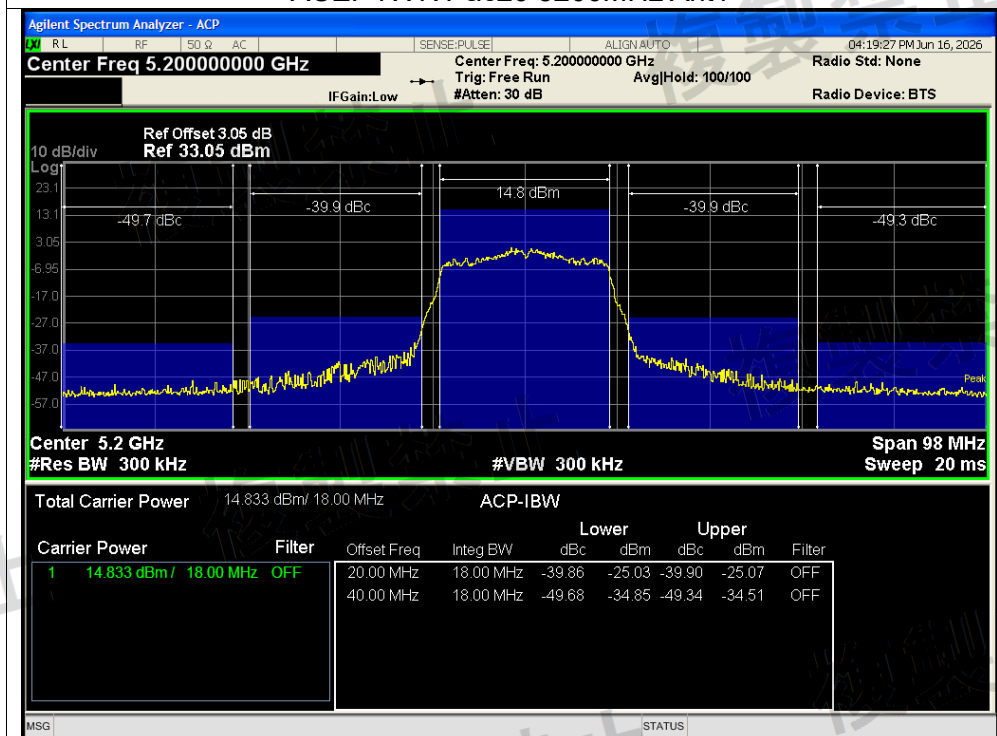




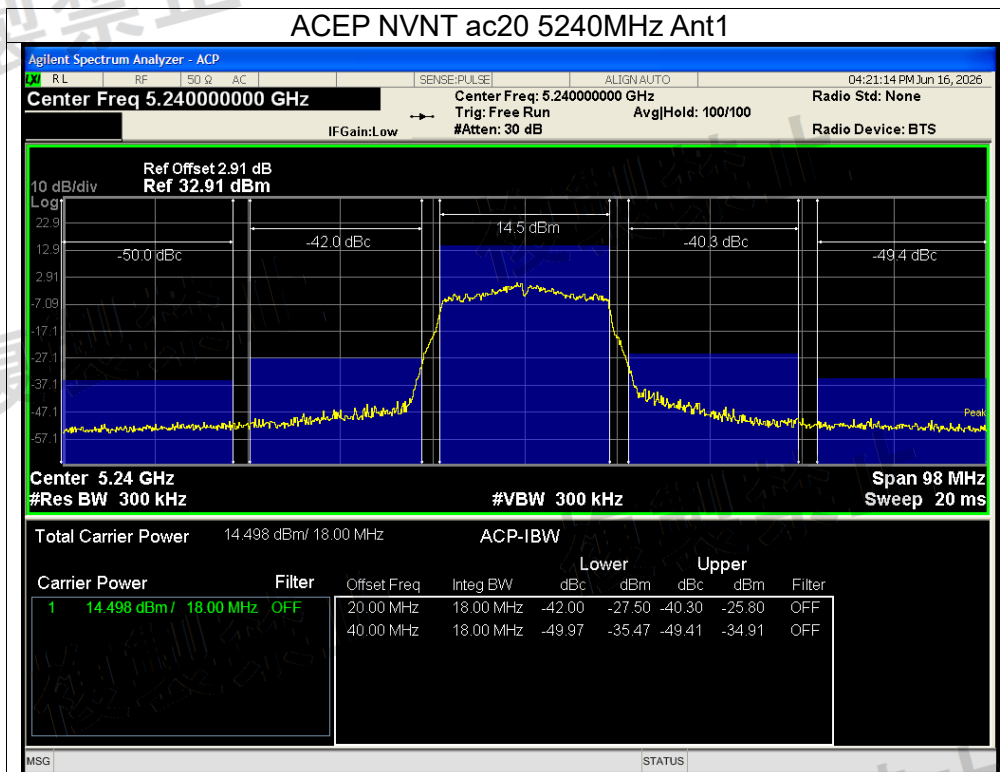
ACEP NVNT ac20 5180MHz Ant1



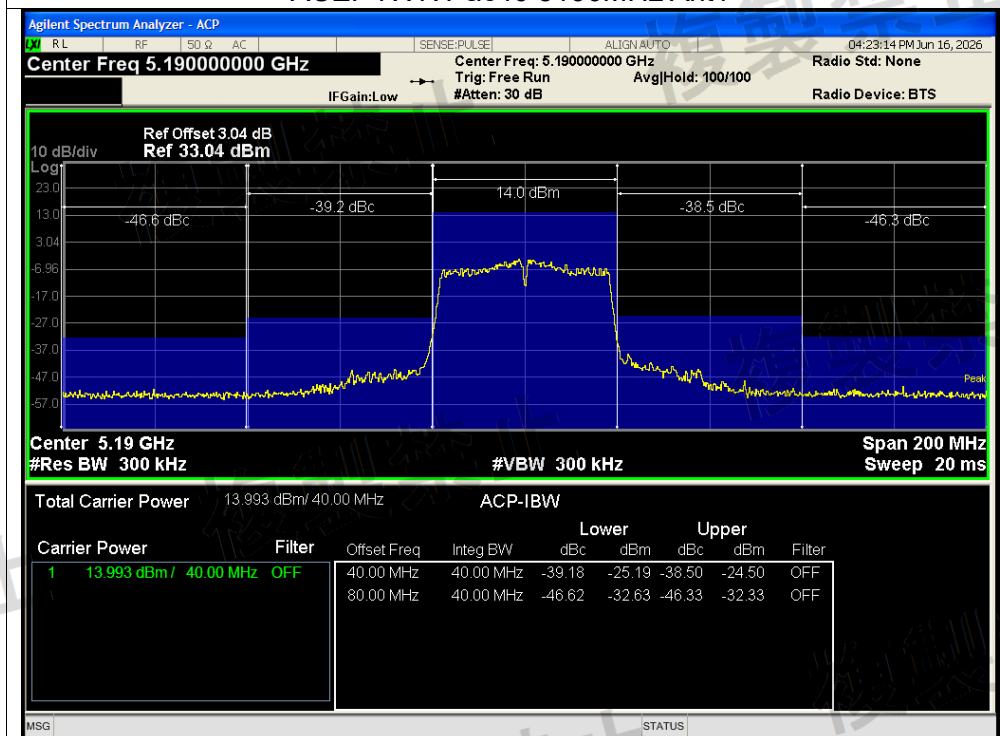
ACEP NVNT ac20 5200MHz Ant1



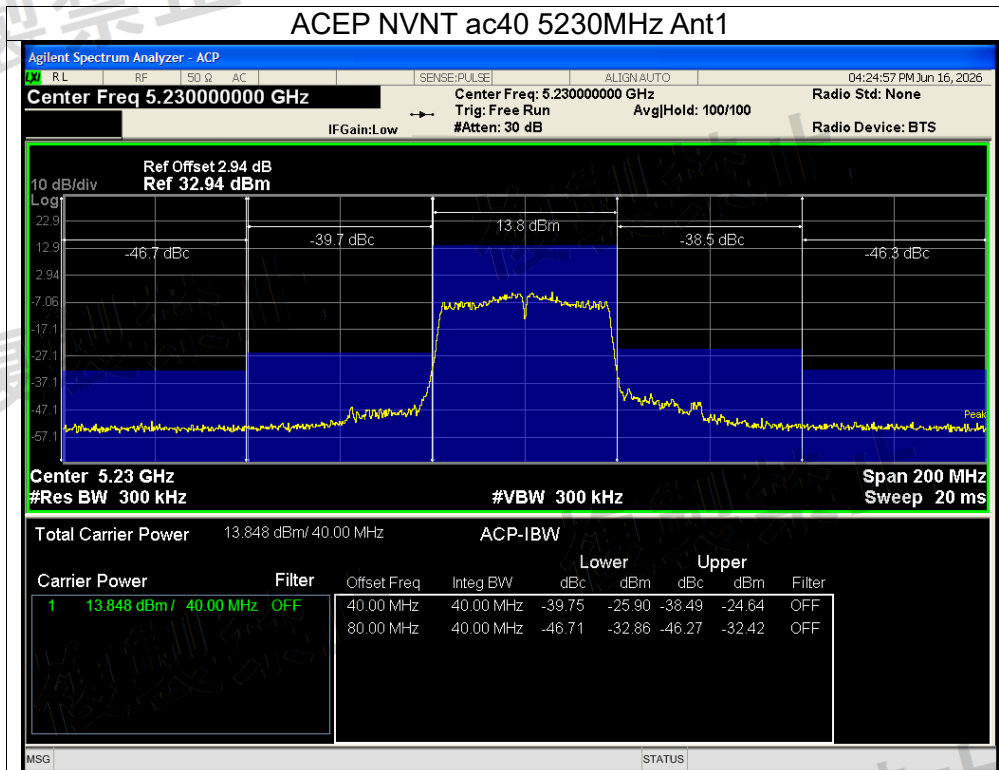
ACEP NVNT ac20 5240MHz Ant1



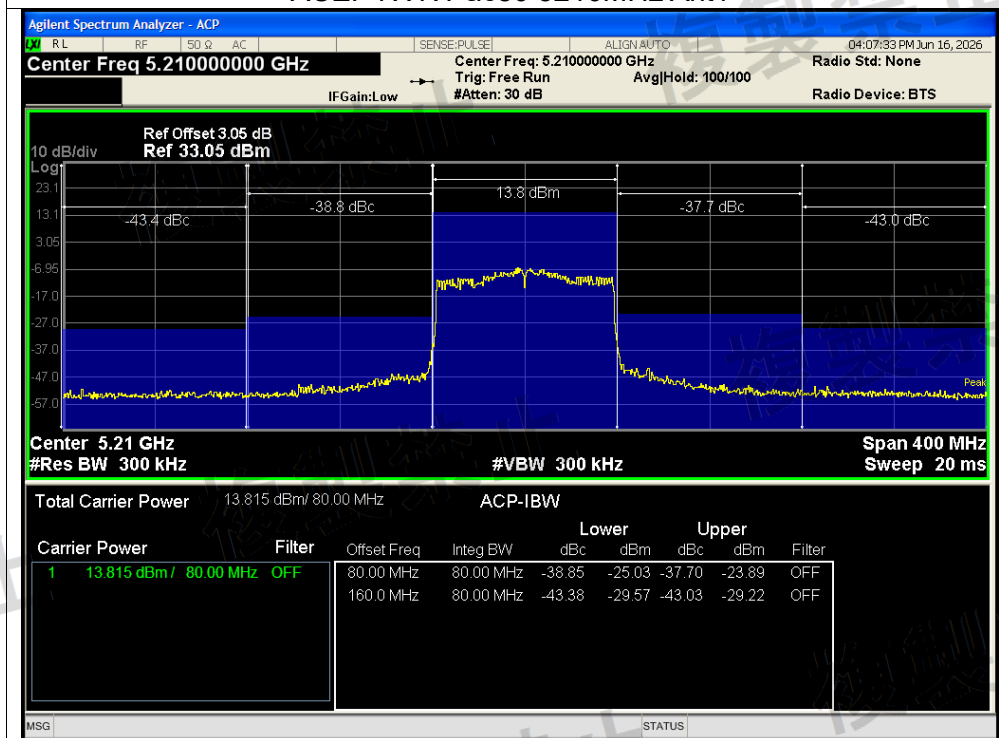
ACEP NVNT ac40 5190MHz Ant1



ACEP NVNT ac40 5230MHz Ant1



ACEP NVNT ac80 5210MHz Ant1



8. RF OUTPUT POWER / TOLERANCE

Band	Item	20MHz system		40MHz system	80MHz system	160MHz system
W52&W53	Antenna Power	DSSS,etc	OFDM	OFDM		
		10mW/MHz(DSSS) 10mW(other)	10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz
	Antenna Power Error	+20%, -80% (Base on manufacturer declare antenna power density)				
	E.I.R.P.(W52)	10mW/MHz		5mW/MHz	2.5mW/MHz	1.25mW/MHz
	E.I.R.P.(W53)	10mW/MHz With TPC 5mW/MHz Without TPC		5mW/MHz With TPC 2.5mW/MHz Without TPC	2.5mW/MHz With TPC 1.25mW/MHz Without TPC	1.25mW/MHz With TPC 0.625mW/MHz Without TPC
W56	Antenna Power	10mW/MHz(DSSS) 10mW(other)	10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz
	Antenna Power Error	+50%, -50% (Base on manufacturer declare antenna power density)				
	E.I.R.P.	50mW/MHz With TPC 25mW/MHz Without TPC		25mW/MHz With TPC 12.5mW/MHz Without TPC	12.5mW/MHz With TPC 6.25mW/MHz Without TPC	6.25mW/MHz With TPC 3.125mW/MHz Without TPC

8.1 TEST DEVIATION

There is no deviation with the original standard.

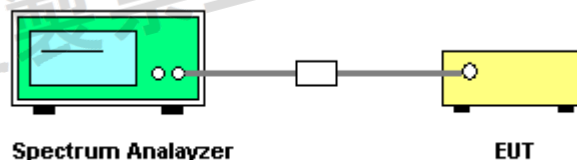
8.2 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

8.3 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

8.4 TEST SETUP



The test procedure contained in this option 1 shall be as follows:

Step 1:

Connect the UUT to the spectrum analyser and use the following settings:

- Centre Frequency: The centre frequency of the channel under test.
- Resolution BW: 1 MHz.
- Video BW: 3 MHz.
- Span: Wide enough to cover the complete power envelope of the signal of the UUT.
- Detector: Peak.
- Trace Mode: Max Hold.

Step 2:

When the trace is complete, find the peak value of the power envelope and record the frequency.

Step 3:

Make the following changes to the settings of the spectrum analyser:

- Centre Frequency: Equal to the frequency recorded in step 2.
- Span: 0 MHz.
- Resolution BW: 1 MHz.
- Video BW: 1 MHz.
- Sweep time: 1 minute.
- Detector: Average (see note).
- Trace Mode: Max Hold.



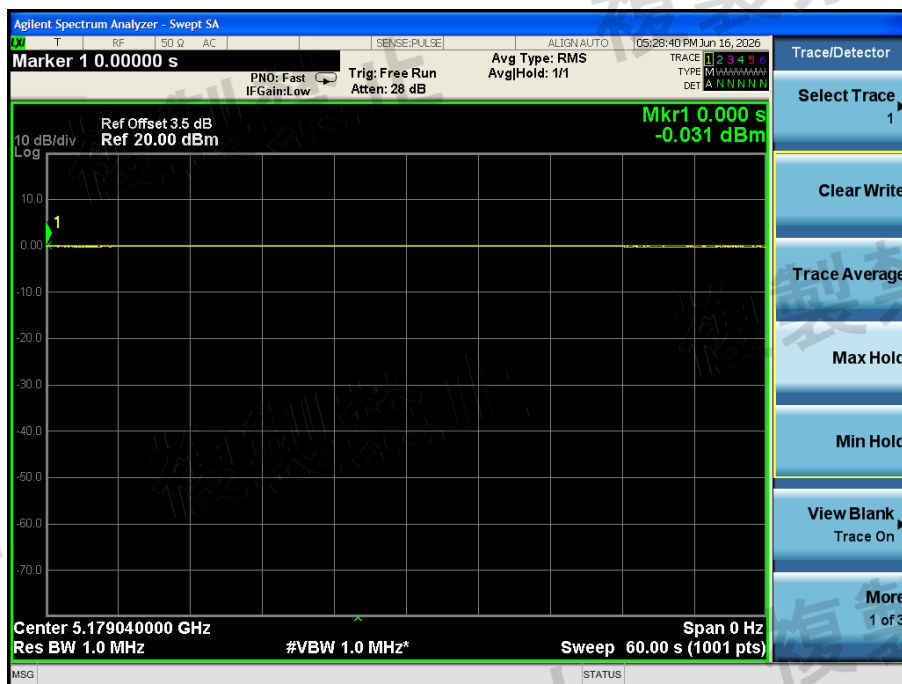
8.5 TEST RESULT

EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

Mode	Freq (MHz)	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
a	5180	-0.031	0.993	2.0	-50.35	20	-80	Pass
a	5200	-0.570	0.877	2.0	-56.15	20	-80	Pass
a	5240	0.136	1.032	2.0	-48.40	20	-80	Pass
N20	5180	-0.935	0.806	2.0	-59.70	20	-80	Pass
N20	5200	-0.797	0.832	2.0	-58.40	20	-80	Pass
N20	5240	-0.874	0.818	2.0	-59.10	20	-80	Pass
ac20	5180	-0.835	0.825	2.0	-58.75	20	-80	Pass
ac20	5200	-0.661	0.859	2.0	-57.05	20	-80	Pass
ac20	5240	-0.516	0.888	2.0	-55.60	20	-80	Pass
N40	5190	-5.115	0.308	1.0	-69.20	20	-80	Pass
N40	5230	-4.432	0.360	1.0	-64.00	20	-80	Pass
ac40	5190	-5.840	0.261	1.0	-73.90	20	-80	Pass
ac40	5230	-4.203	0.380	1.0	-62.00	20	-80	Pass
ac80	5210	-7.954	0.160	0.5	-68.00	20	-80	Pass

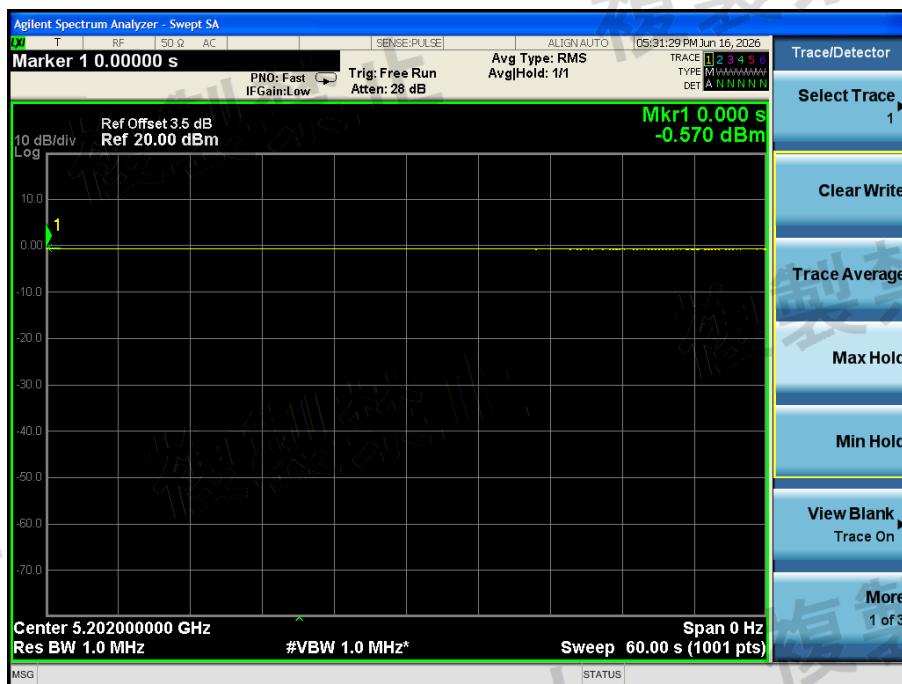


802.11a (5.15GHz-5.25GHz)
The Lowest Channel 36: 5180MHz



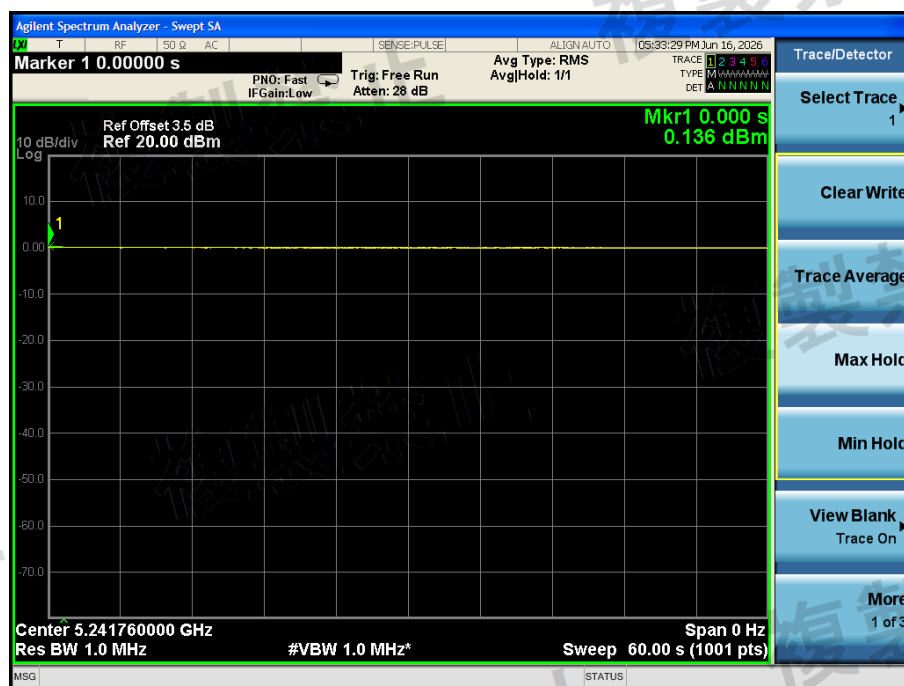
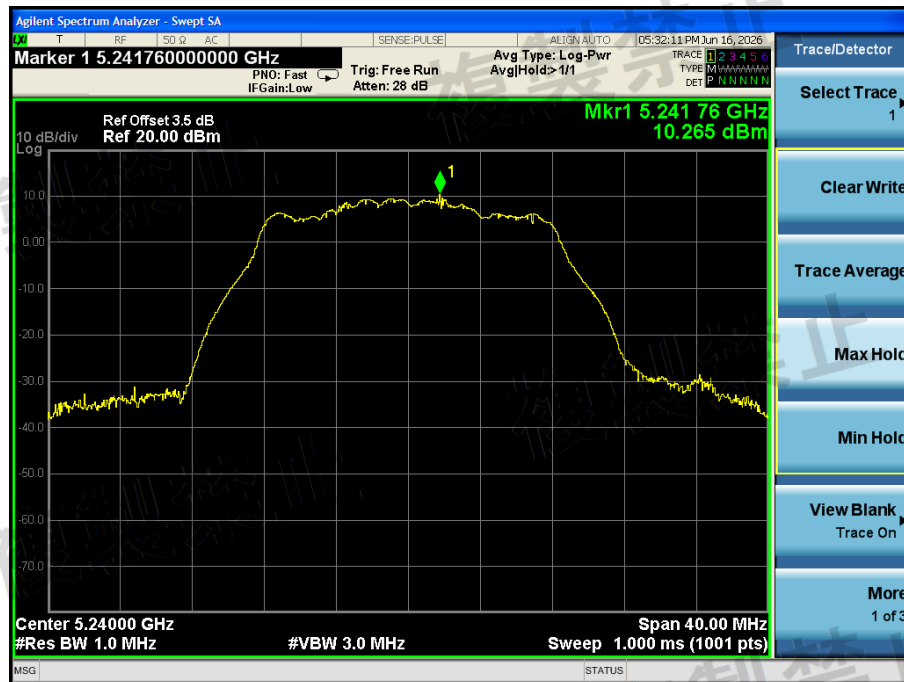


802.11a (5.15GHz-5.25GHz)
The Middle Channel 40: 5200MHz



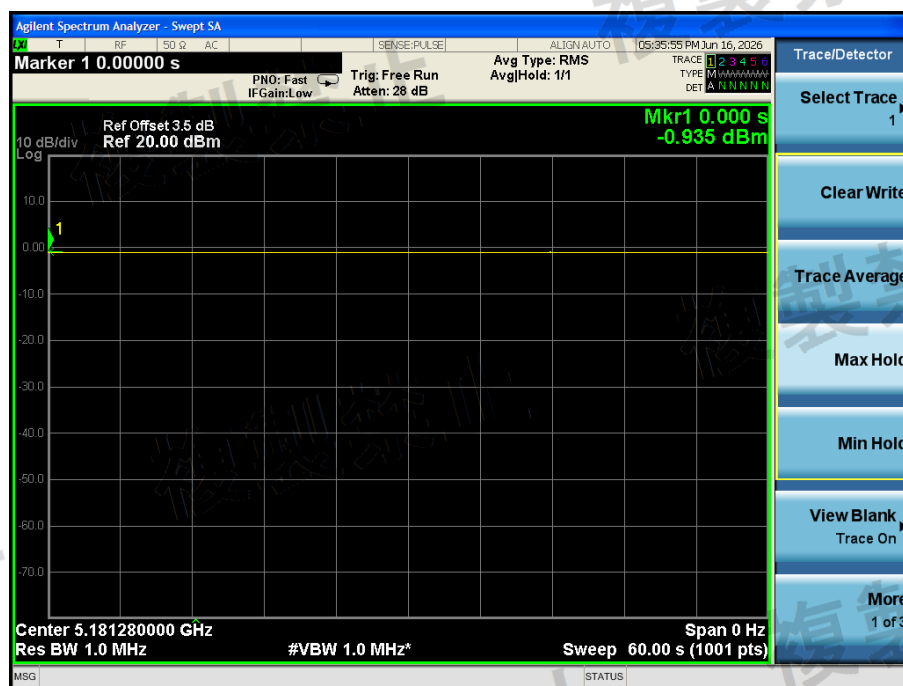


802.11a (5.15GHz-5.25GHz)
The Highest Channel 48: 5240MHz



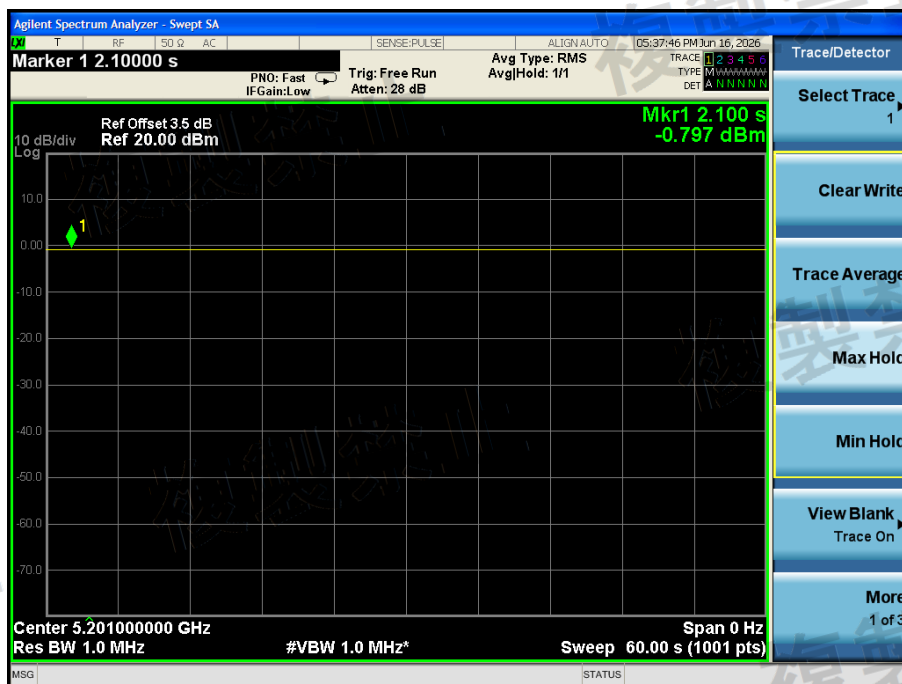
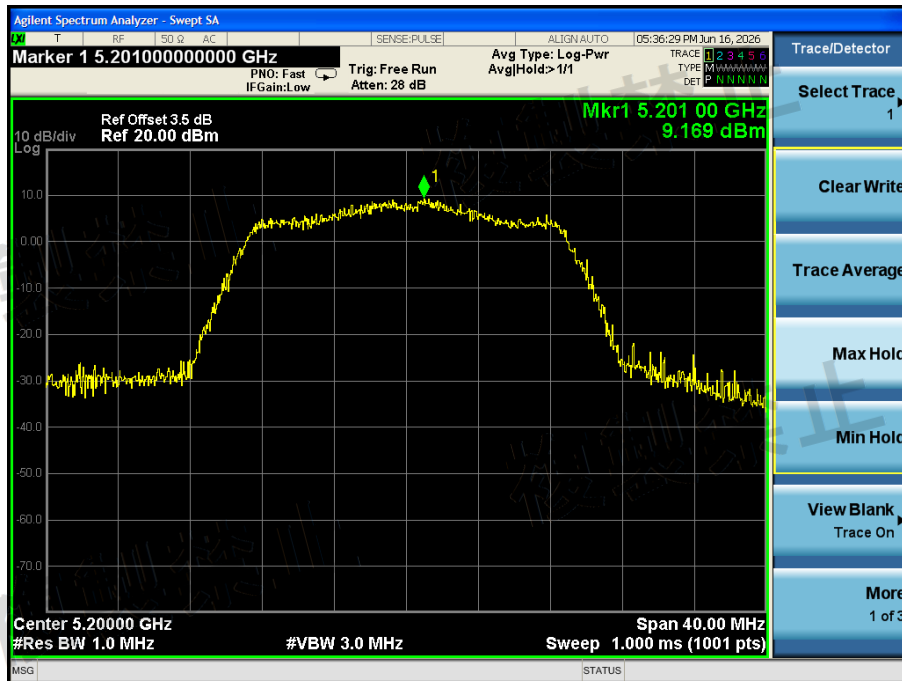


802.11n(20M) (5.15GHz-5.25GHz)
The Lowest Channel 36: 5180MHz



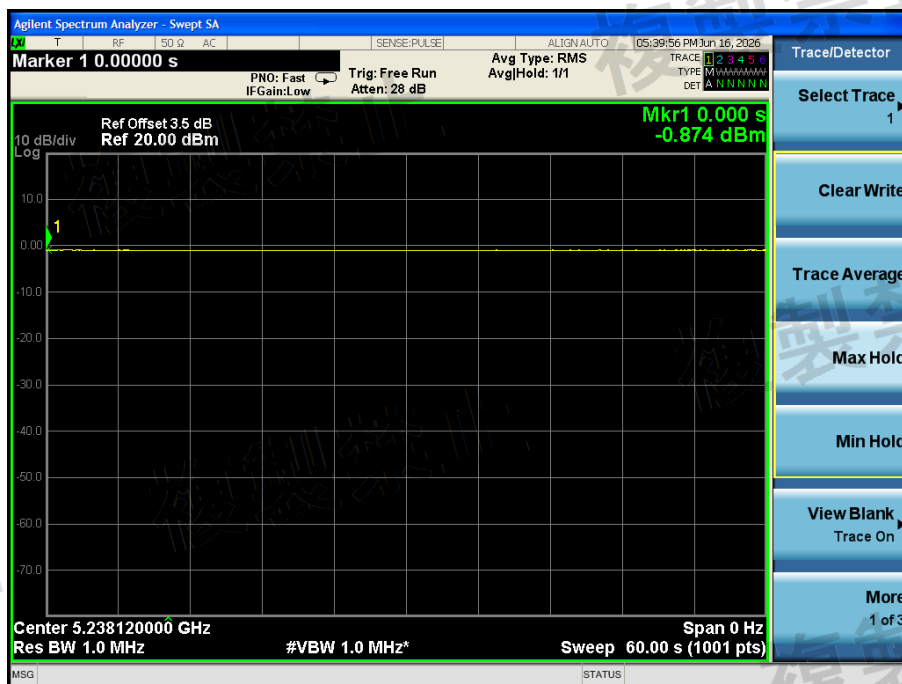
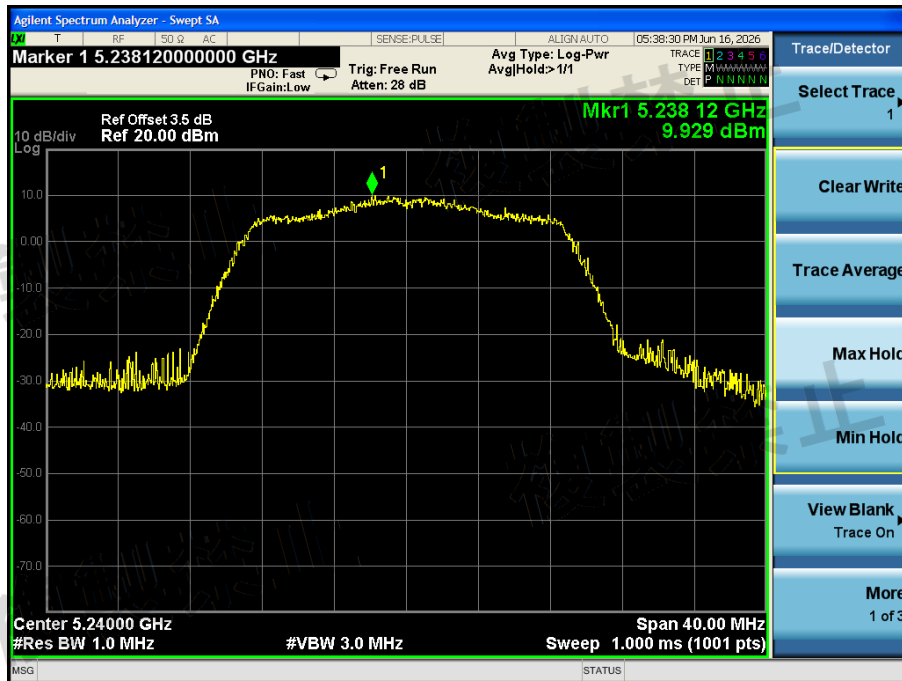


802.11n(20M) (5.15GHz-5.25GHz)
The Middle Channel 40: 5200MHz



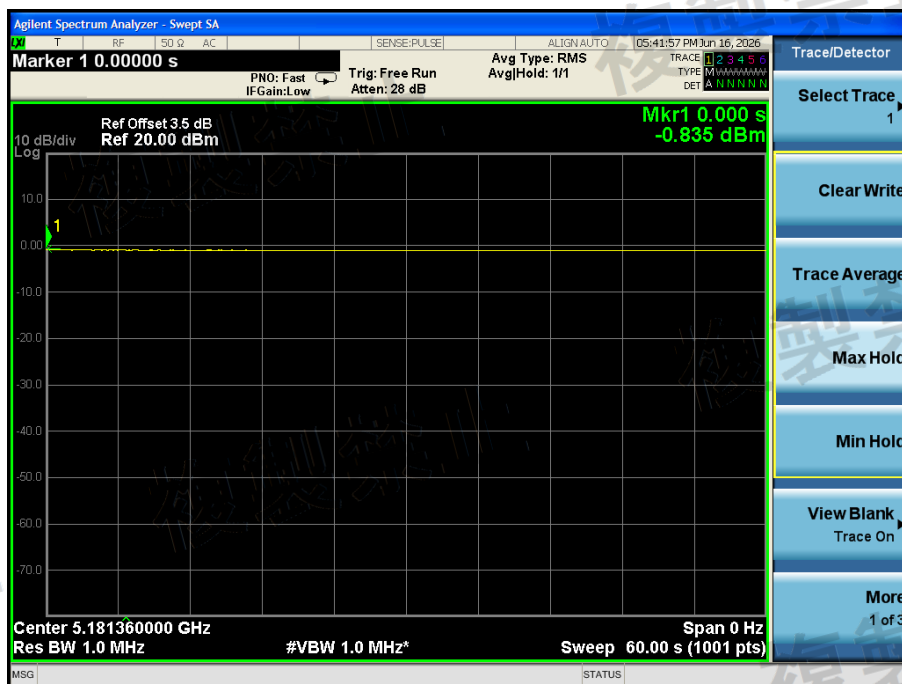
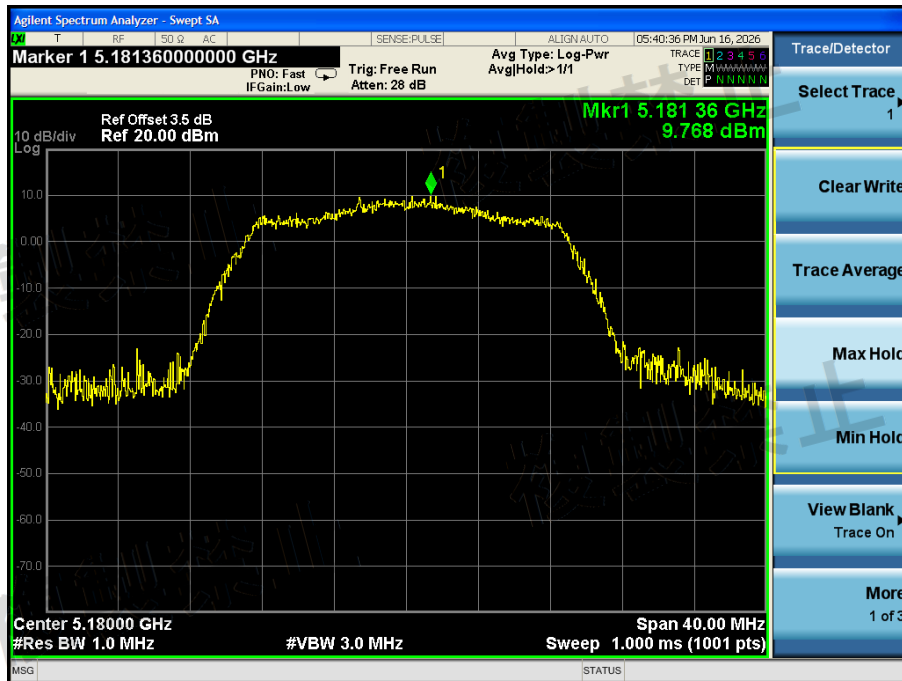


802.11n(20M) (5.15GHz-5.25GHz)
The Highest Channel 48: 5240MHz



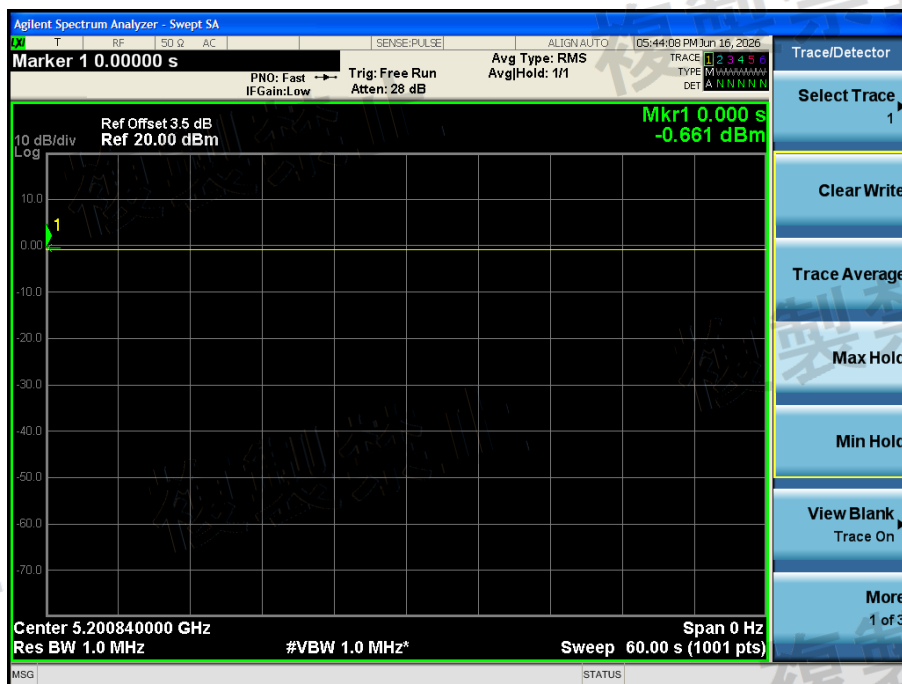
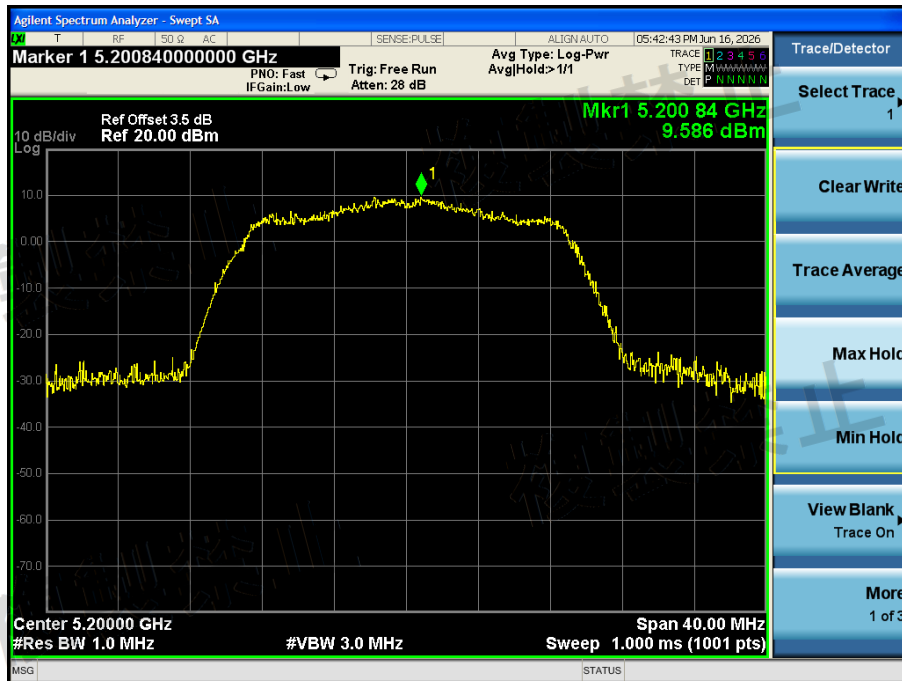


802.11ac (5.15GHz-5.25GHz)
The Lowest Channel 36: 5180MHz



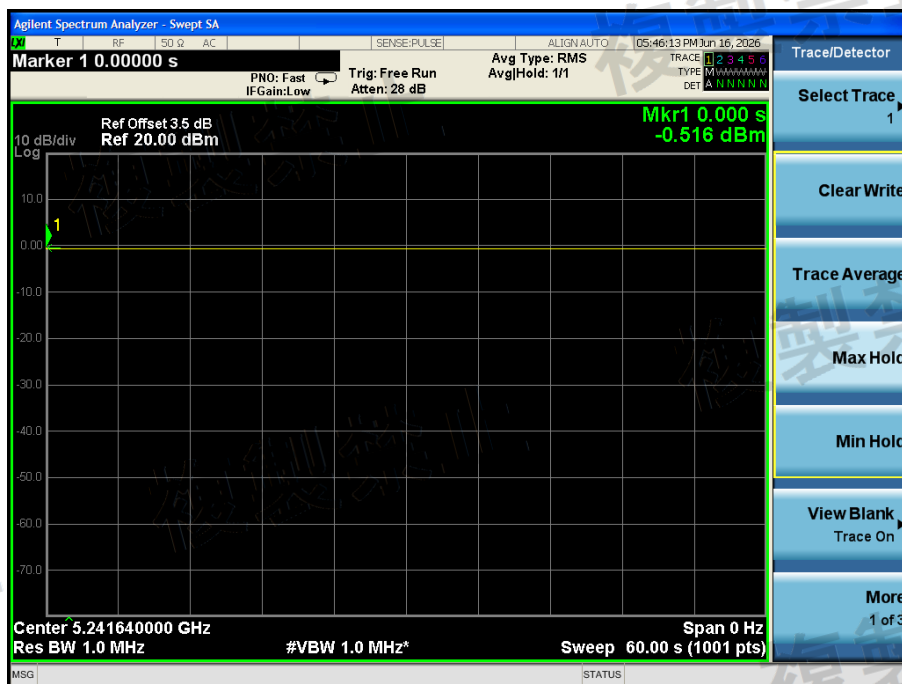
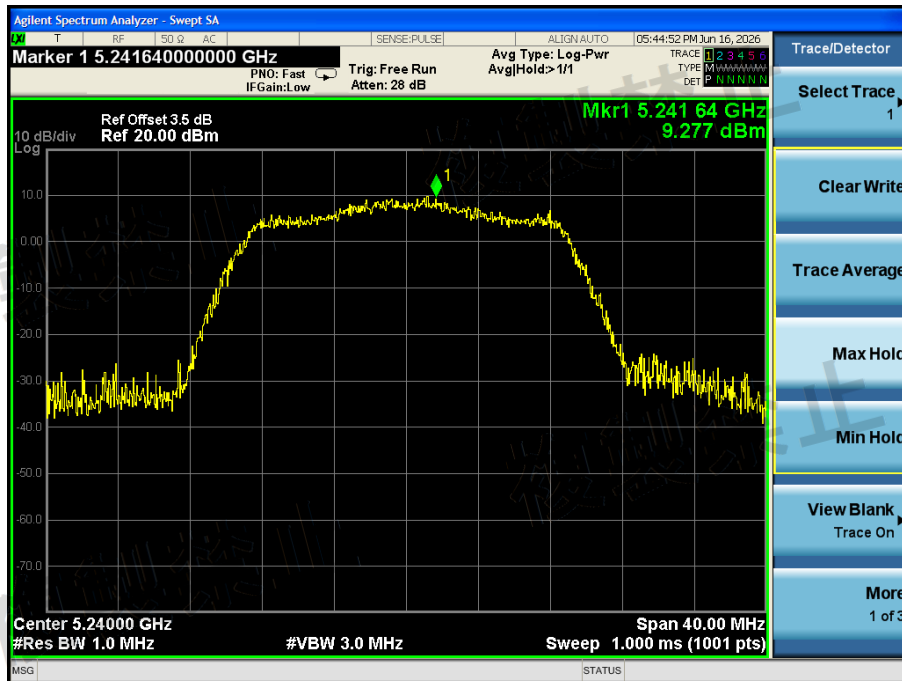


802.11ac (5.15GHz-5.25GHz)
The Middle Channel 40: 5200MHz



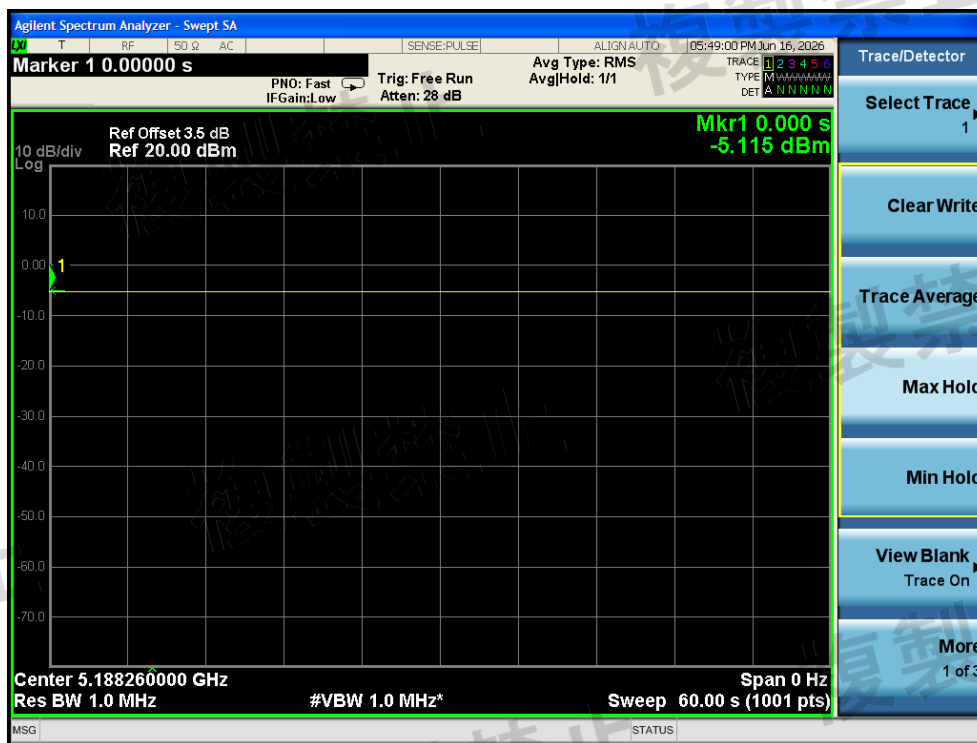
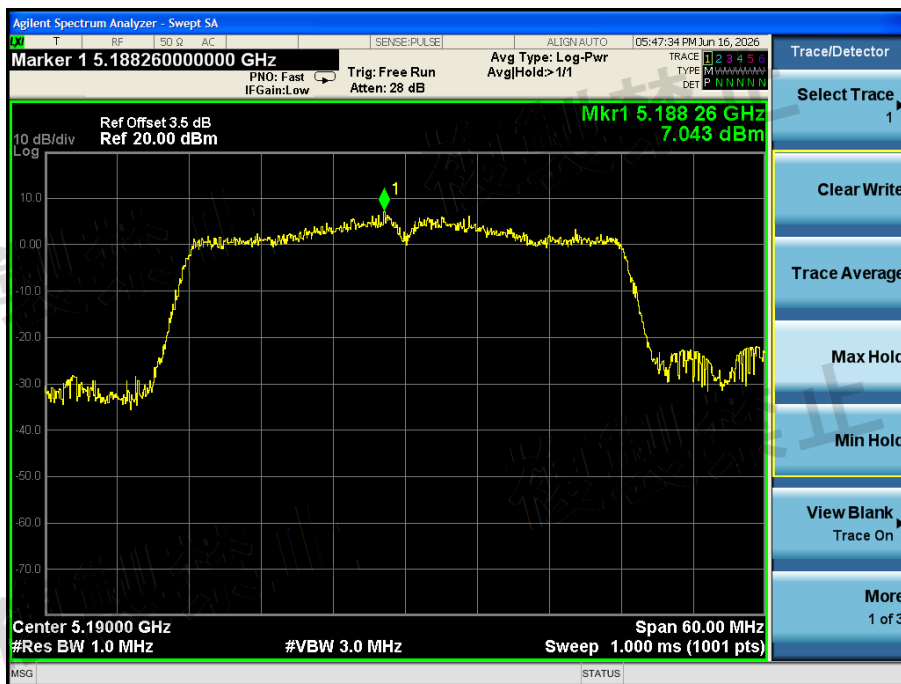


802.11ac (5.15GHz-5.25GHz)
The Highest Channel 48: 5240MHz



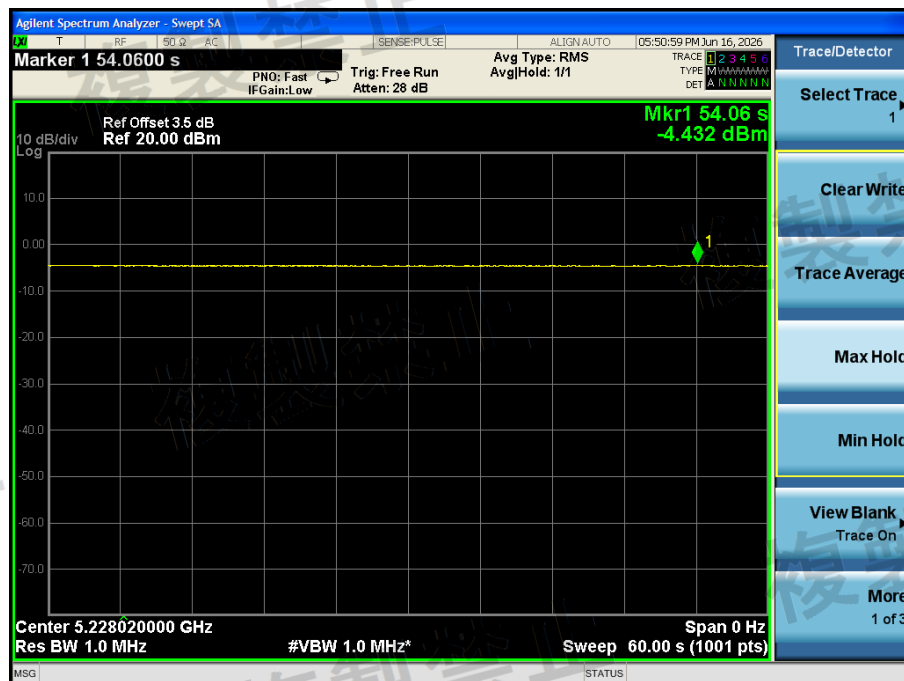
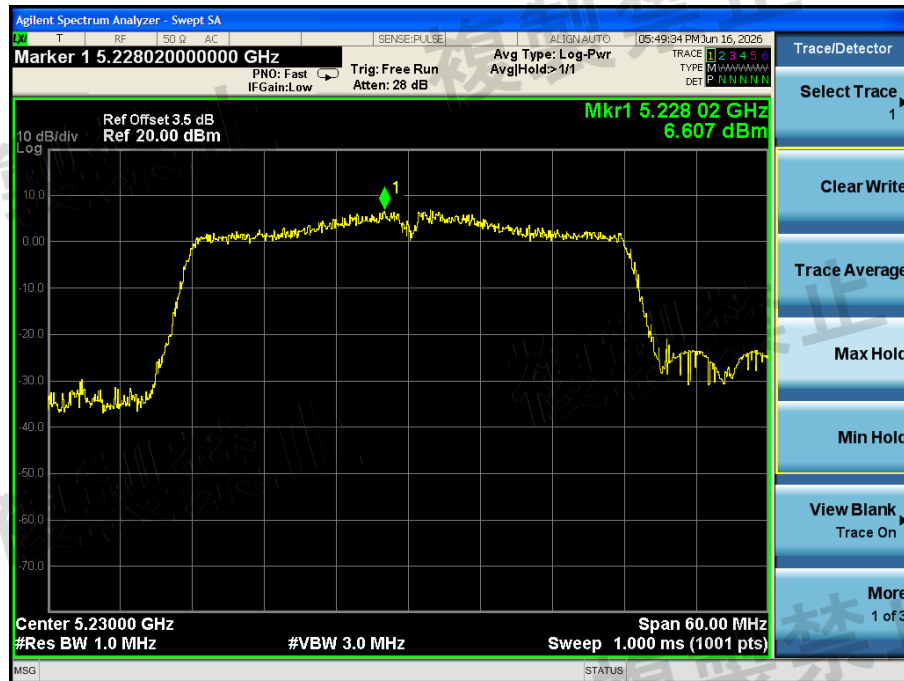


802.11n(40M) (5.15GHz-5.25GHz)
The Lowest Channel 38: 5190MHz





802.11n(40M) (5.15GHz-5.25GHz)
The Highest Channel 46: 5230MHz



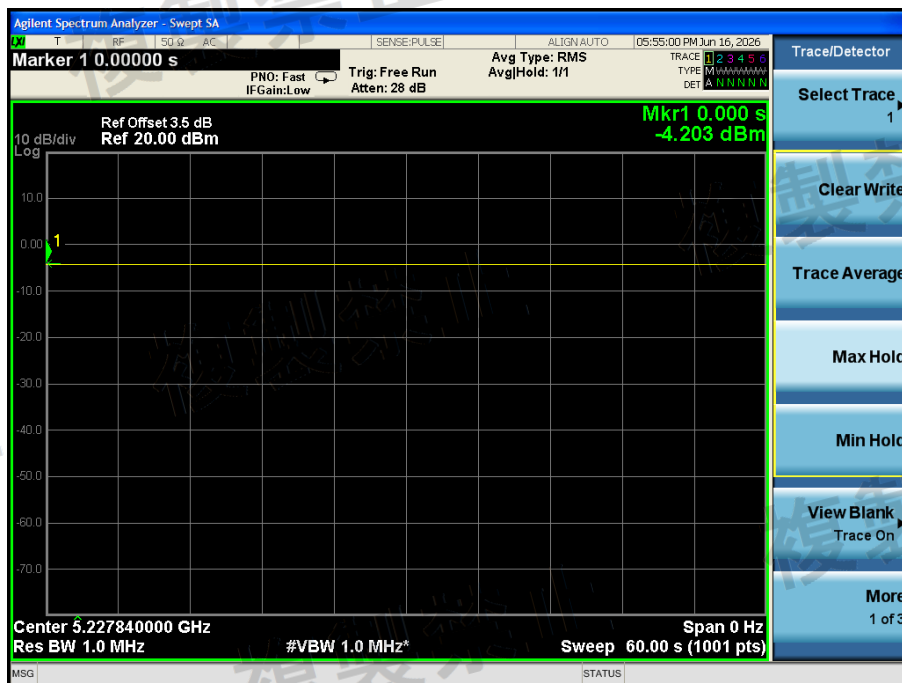


802.11ac(40M) (5.15GHz-5.25GHz)
The Lowest Channel 38: 5190MHz





802.11ac(40M) (5.15GHz-5.25GHz)
The Highest Channel 46: 5230MHz





802.11ac(80M) (5.15GHz-5.25GHz)
The Lowest Channel 42: 5210MHz





9. E.I.R.P MEASUREMENT

9.1 LIMIT

Mode	Limits
11a,11n,11ac 20MHz	$\leq 10\text{mW/MHz}$
11n,11ac 40MHz	$\leq 5\text{mW/MHz}$
11n,11ac 80 MHz	$\leq 2.5\text{mW/MHz}$

9.2 TEST PROCEDURES

EIRP Power= Conducted power + antenna gain.

9.3 TEST SETUP LAYOUT

Please refer to Section 8.4 of this test report.

9.4 TEST DEVIATION

There is no deviation with the original standard.

9.5 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

9.6 TEST RESULT OF TRANSMISSION ANTENNA GAIN (EIRP ANTENNA POWER)



EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

Normal Voltage-a mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5180MHz	-0.031	0.269	1.064	≤10
5200MHz	-0.570	-0.270	0.940	≤10
5240MHz	0.136	0.436	1.106	≤10

Normal Voltage-n(20) mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5180MHz	-0.935	-0.635	0.864	≤10
5200MHz	-0.797	-0.497	0.892	≤10
5240MHz	-0.874	-0.574	0.876	≤10

Normal Voltage-ac(20) mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5180MHz	-0.835	-0.535	0.884	≤10
5200MHz	-0.661	-0.361	0.920	≤10
5240MHz	-0.516	-0.216	0.951	≤10



Normal Voltage-n(40) mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5190MHz	-5.115	-4.815	0.330	≤5
5230MHz	-4.432	-4.132	0.386	≤5

Normal Voltage-ac(40) mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5190MHz	-5.840	-5.540	0.279	≤5
5230MHz	-4.203	-3.903	0.407	≤5

Normal Voltage-ac(80) mode

Frequency	power density	EIRP	EIRP	Limits
	(dBm/MHz)	(dBm/MHz)	(mW/MHz)	(mW/MHz)
5210MHz	-7.954	-7.654	0.172	≤2.5

Note: E.I.R.P. (dBm/MHz) = Antenna Power (dBm/MHz) + Antenna Gain (dBi).

10 SPURIOUS EMISSIONS FOR RECEIVER

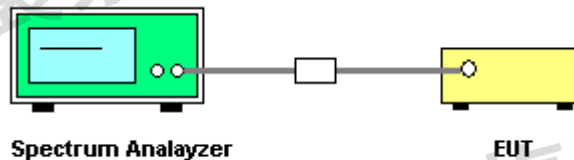
Limit

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

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.

10.1 TEST SETUP LAYOUT



10.2 TEST DEVIATION

There is no deviation with the original standard.

10.3 TEST DEVIATION

The EUT was programmed to be in continuously reception mode.

10.4 TEST RESULT OF LIMITATION OF COLLATERAL EMISSION OF RECEIVER



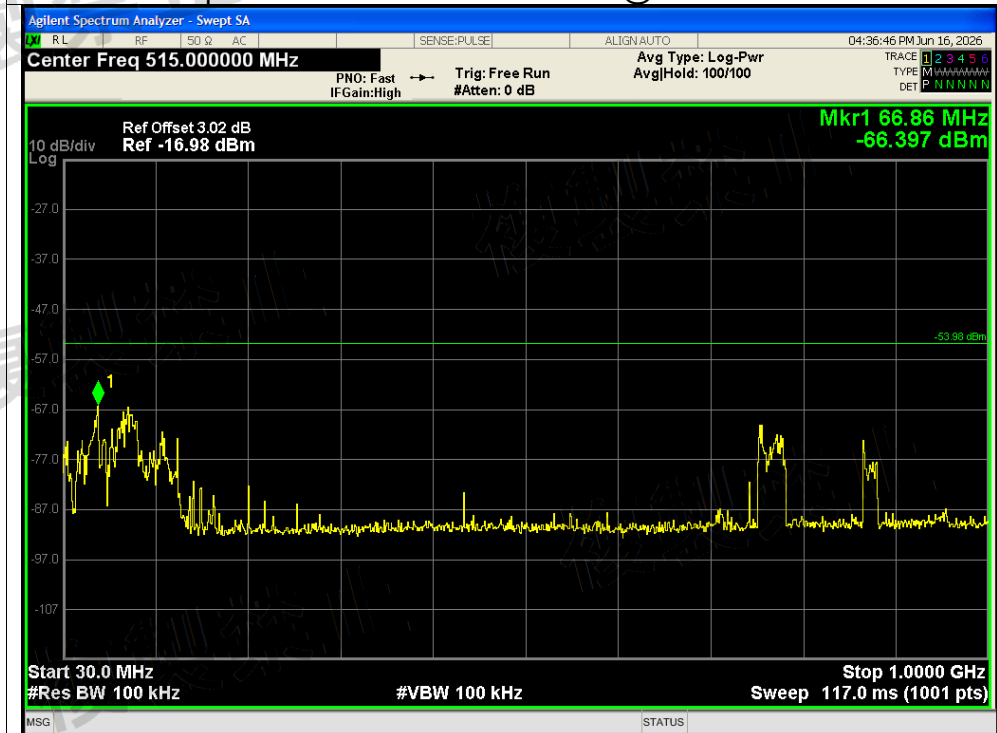
EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	a	5180	30-1000	66.86	-66.4	0.2291	4	Pass
NVNT	a	5180	1000-26000	26000	-64.38	0.3648	20	Pass
NVNT	a	5200	30-1000	869.05	-87.03	0.002	4	Pass
NVNT	a	5200	1000-26000	26000	-63.74	0.4227	20	Pass
NVNT	a	5240	30-1000	443.22	-87.96	0.0016	4	Pass
NVNT	a	5240	1000-26000	25525	-64.99	0.317	20	Pass
NVNT	n20	5180	30-1000	880.69	-87.1	0.0019	4	Pass
NVNT	n20	5180	1000-26000	25975	-64.07	0.3917	20	Pass
NVNT	n20	5200	30-1000	526.64	-87.35	0.0018	4	Pass
NVNT	n20	5200	1000-26000	25575	-64.81	0.3304	20	Pass
NVNT	n20	5240	30-1000	846.74	-87.92	0.0016	4	Pass
NVNT	n20	5240	1000-26000	26000	-64.43	0.3606	20	Pass
NVNT	n40	5190	30-1000	1000	-87.46	0.0018	4	Pass
NVNT	n40	5190	1000-26000	25950	-64.2	0.3802	20	Pass
NVNT	n40	5230	30-1000	876.81	-87.85	0.0016	4	Pass
NVNT	n40	5230	1000-26000	26000	-64.75	0.335	20	Pass
NVNT	ac20	5180	30-1000	958.29	-87.72	0.0017	4	Pass
NVNT	ac20	5180	1000-26000	25500	-64.98	0.3177	20	Pass
NVNT	ac20	5200	30-1000	867.11	-87.49	0.0018	4	Pass
NVNT	ac20	5200	1000-26000	25975	-63.91	0.4064	20	Pass
NVNT	ac20	5240	30-1000	933.07	-87.22	0.0019	4	Pass
NVNT	ac20	5240	1000-26000	25975	-64.64	0.3436	20	Pass
NVNT	ac40	5190	30-1000	867.11	-87.4	0.0018	4	Pass
NVNT	ac40	5190	1000-26000	25975	-64.01	0.3972	20	Pass
NVNT	ac40	5230	30-1000	873.9	-87.94	0.0016	4	Pass
NVNT	ac40	5230	1000-26000	26000	-65.16	0.3048	20	Pass
NVNT	ac80	5210	30-1000	879.72	-87.91	0.0016	4	Pass
NVNT	ac80	5210	1000-26000	26000	-64.28	0.3733	20	Pass

Test Graphs



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

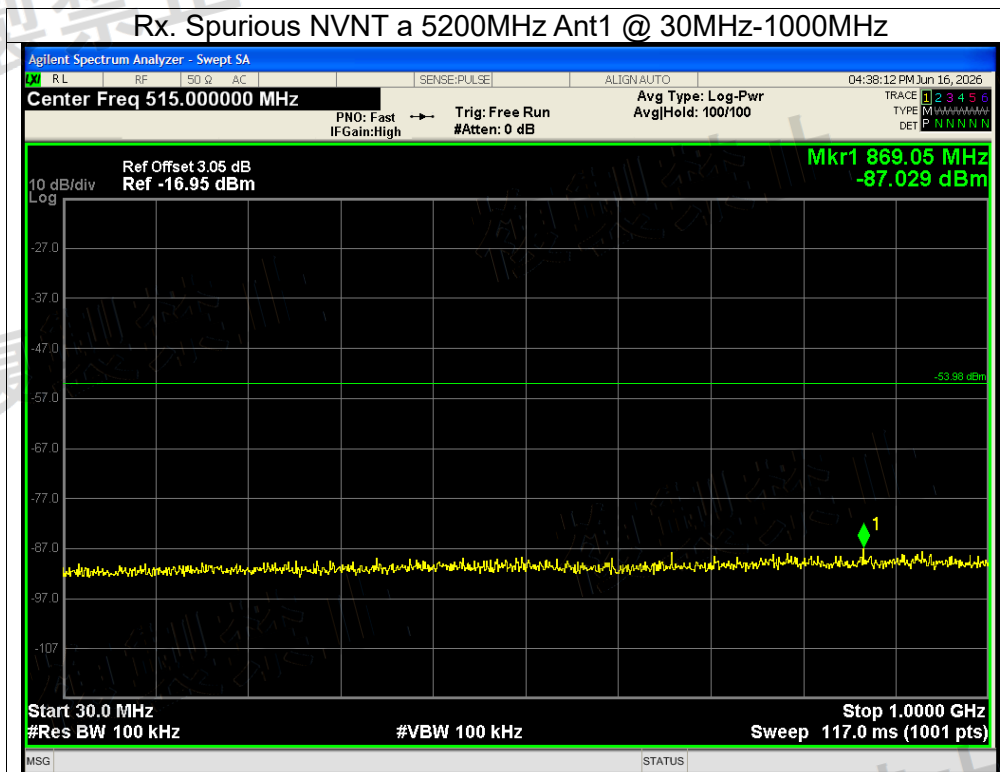


Rx. Spurious NVNT a 5180MHz Ant1 @ 1000MHz-26000MHz





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

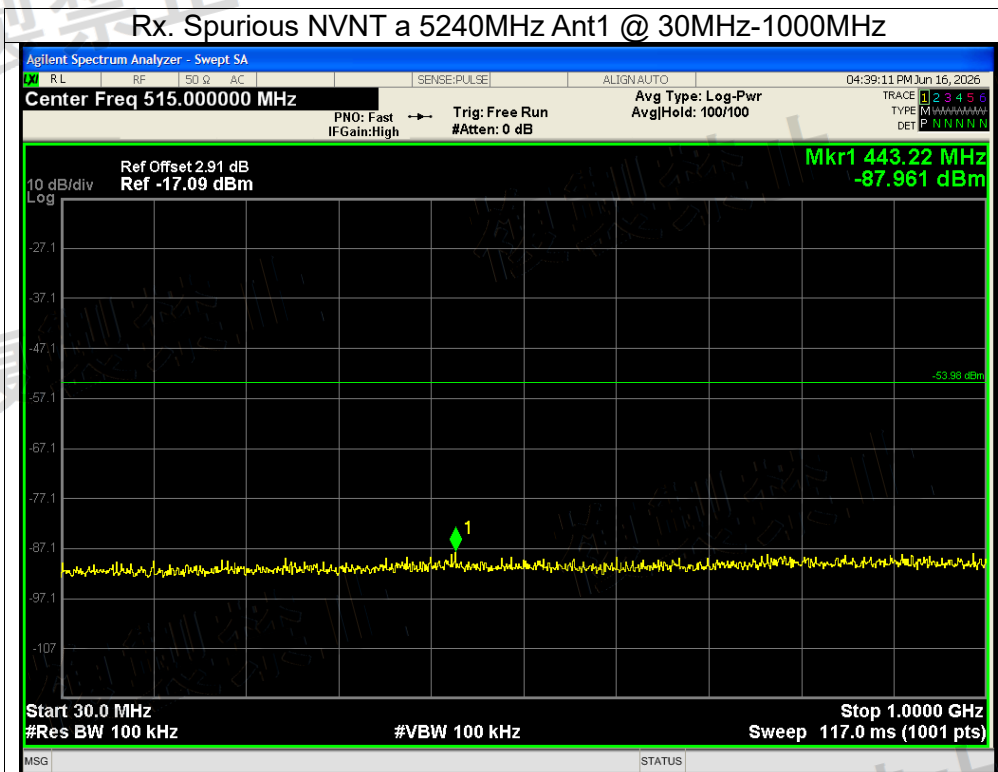


Rx. Spurious NVNT a 5200MHz Ant1 @ 1000MHz-26000MHz

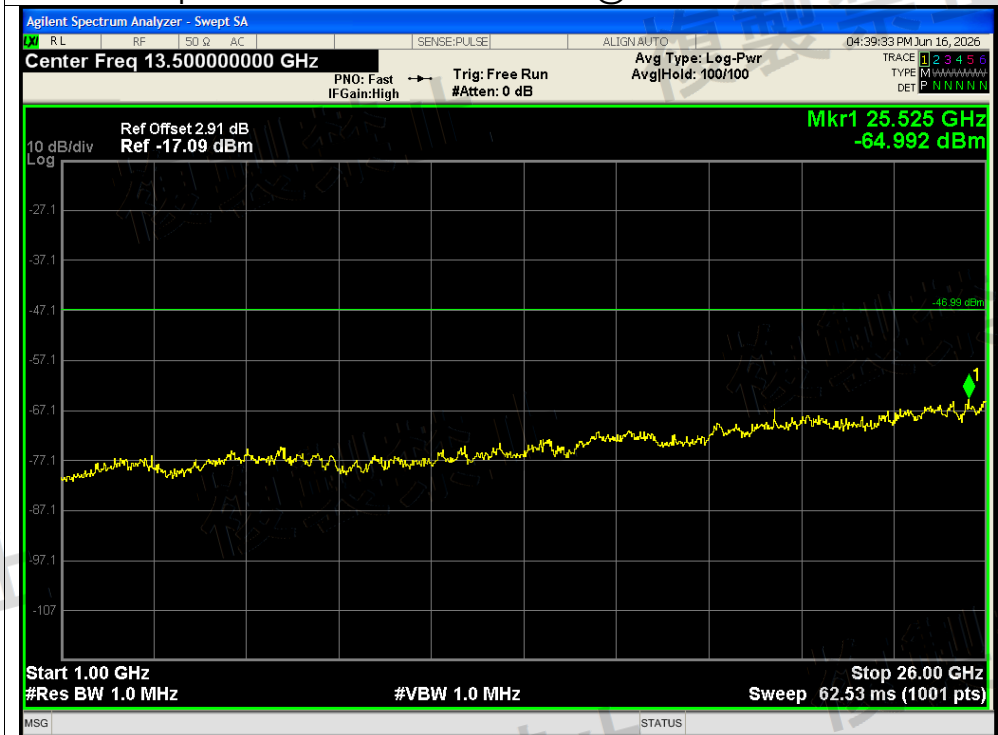




Rx. Spurious NVNT a 5240MHz Ant1 @ 30MHz-1000MHz

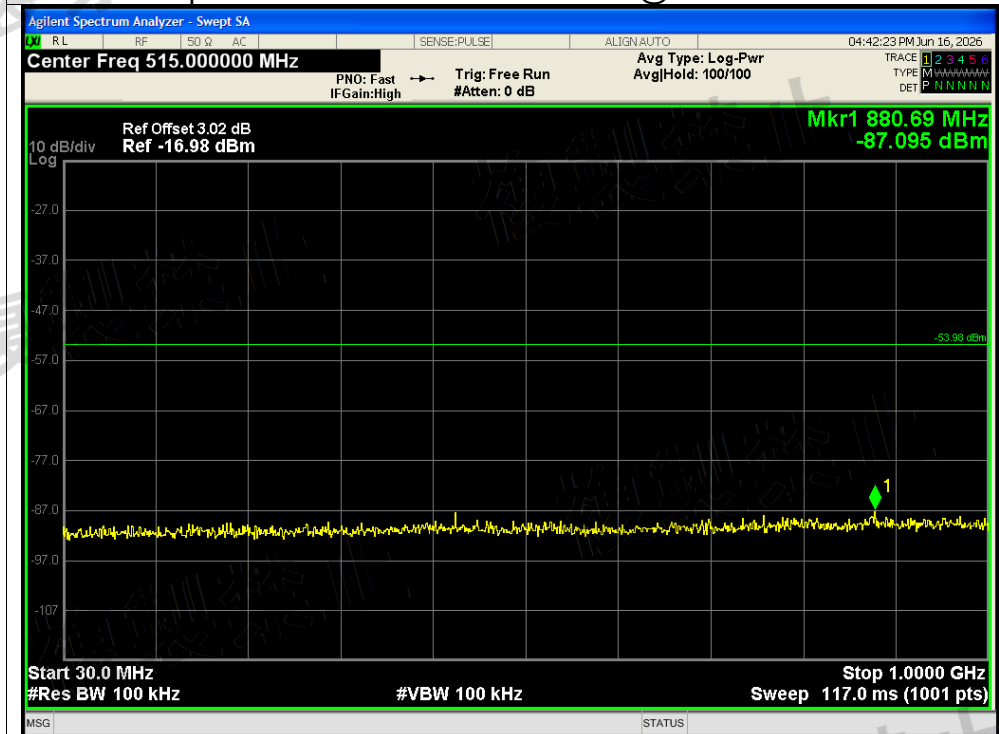


Rx. Spurious NVNT a 5240MHz Ant1 @ 1000MHz-26000MHz





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

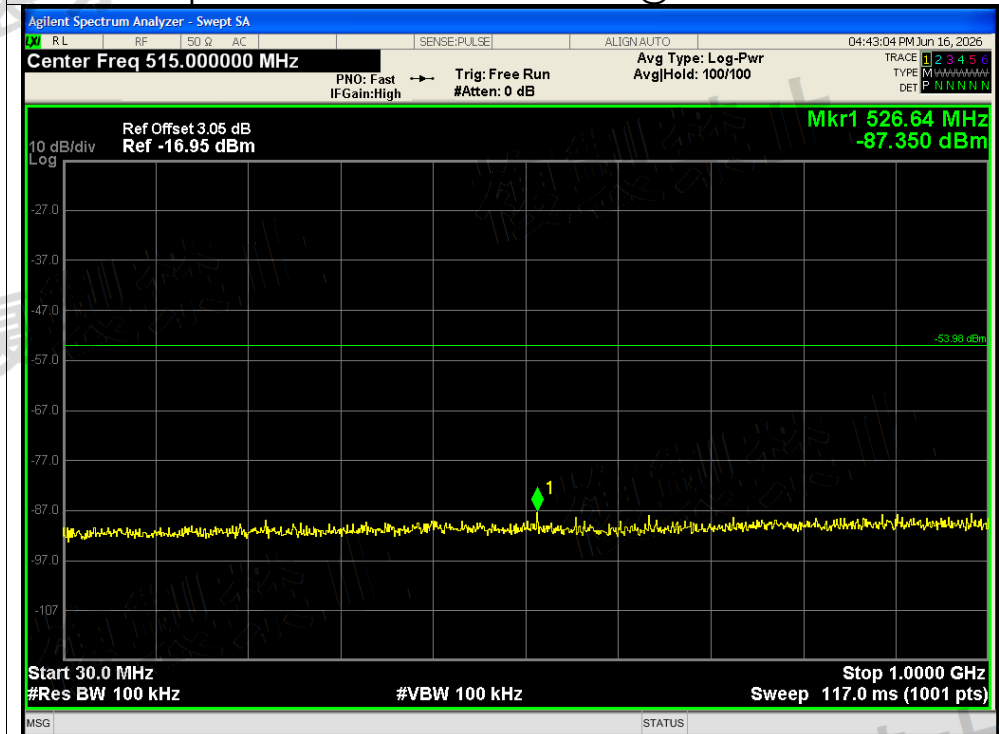


Rx. Spurious NVNT n20 5180MHz Ant1 @ 1000MHz-26000MHz





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

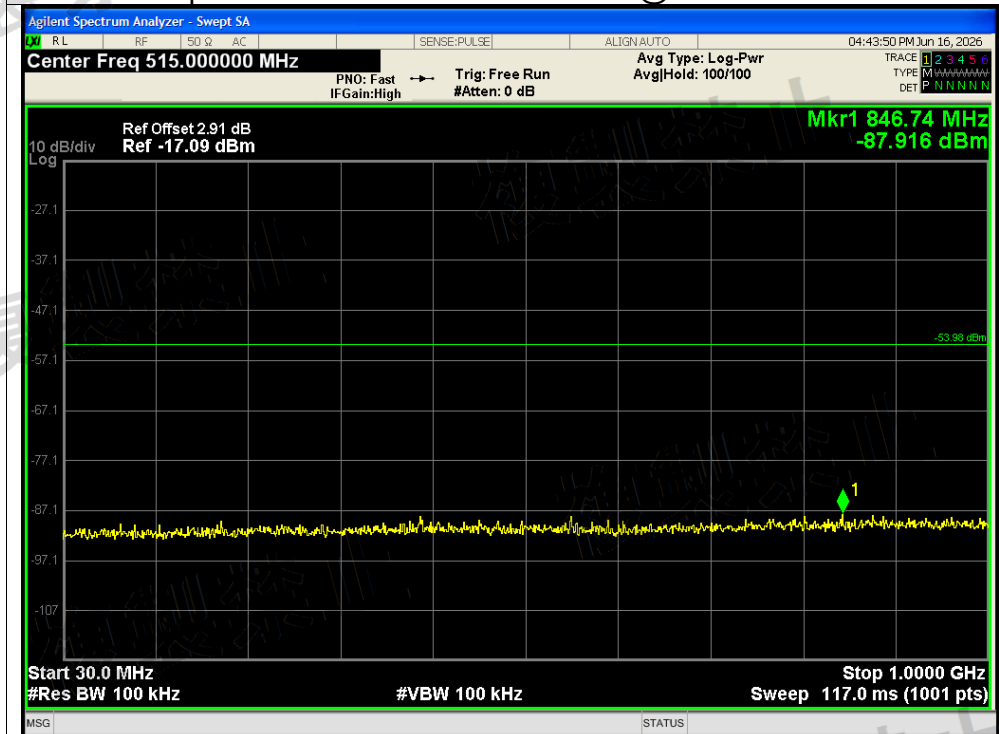


Rx. Spurious NVNT n20 5200MHz Ant1 @ 1000MHz-26000MHz





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

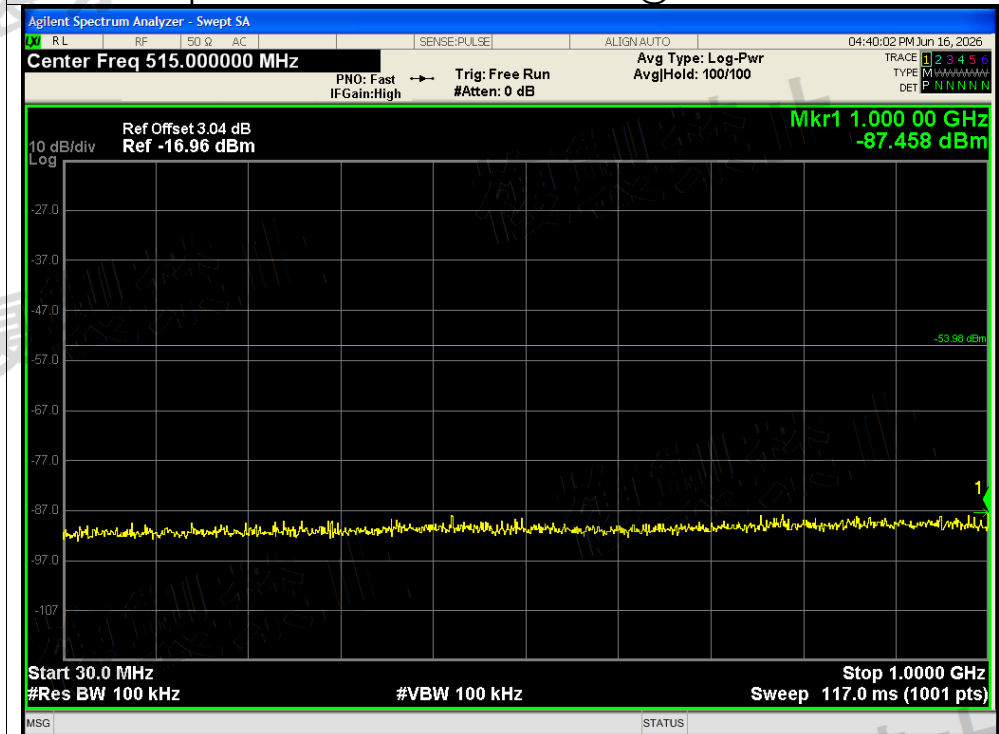


Rx. Spurious NVNT n20 5240MHz Ant1 @ 1000MHz-26000MHz





Rx. Spurious NVNT n40 5190MHz Ant1 @ 30MHz-1000MHz

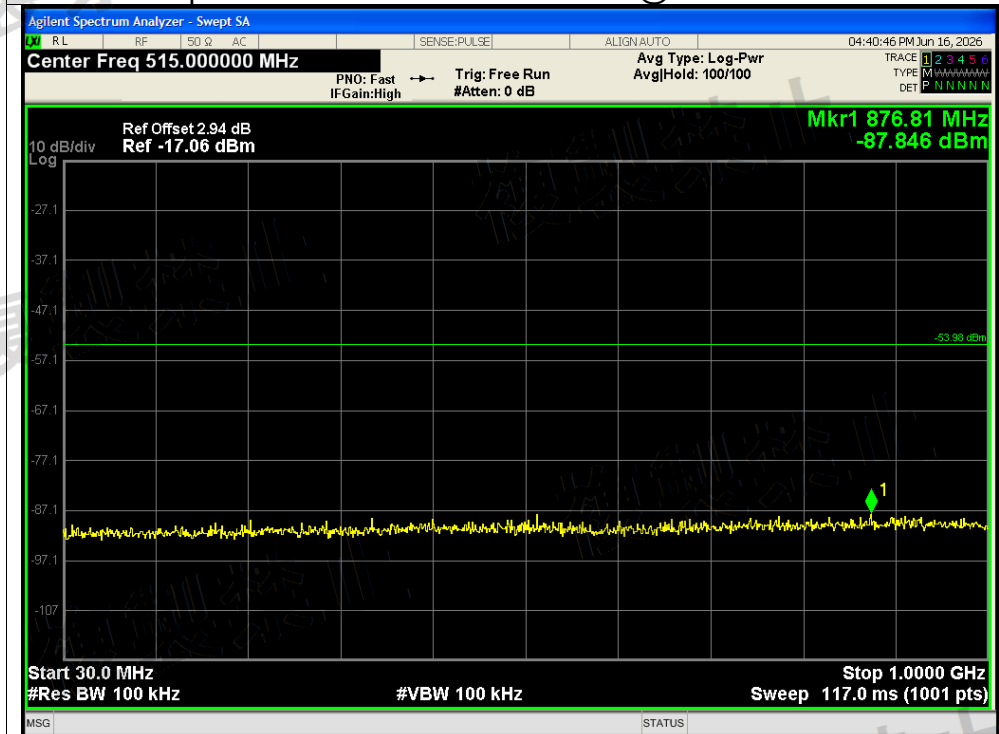


Rx. Spurious NVNT n40 5190MHz Ant1 @ 1000MHz-26000MHz





Rx. Spurious NVNT n40 5230MHz Ant1 @ 30MHz-1000MHz

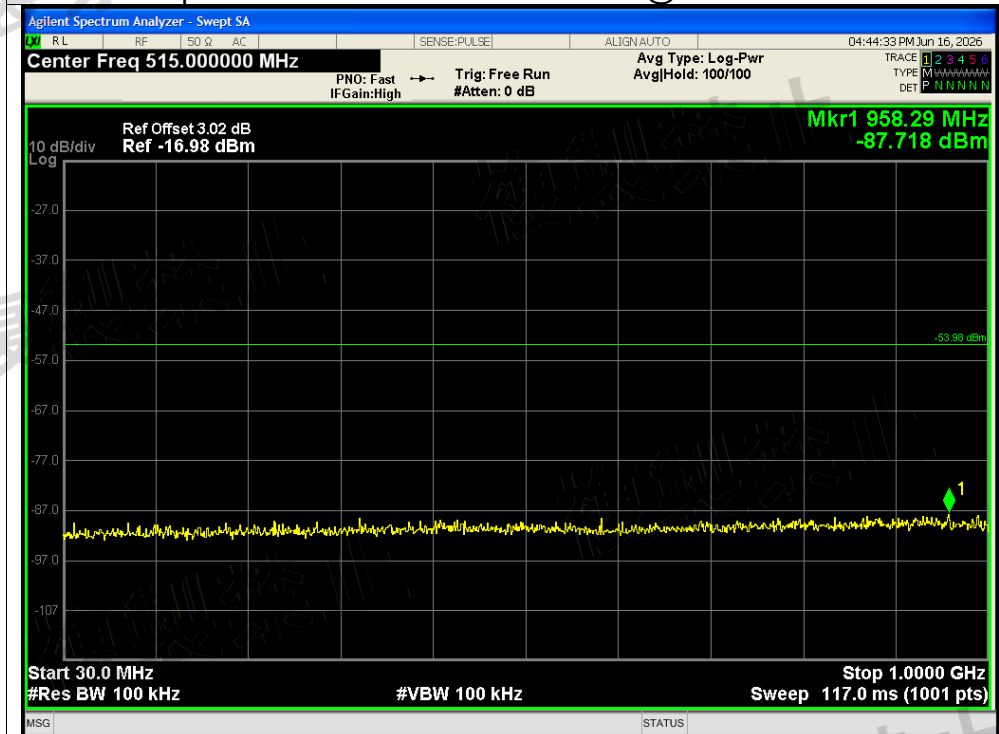


Rx. Spurious NVNT n40 5230MHz Ant1 @ 1000MHz-26000MHz

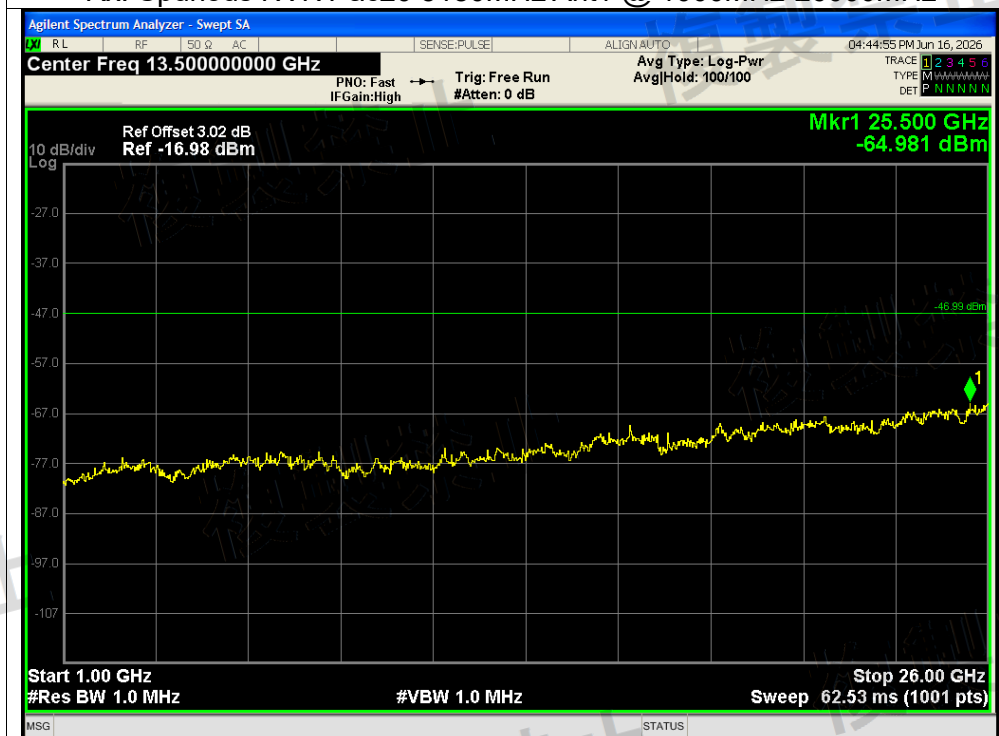




Rx. Spurious NVNT ac20 5180MHz Ant1 @ 30MHz-1000MHz

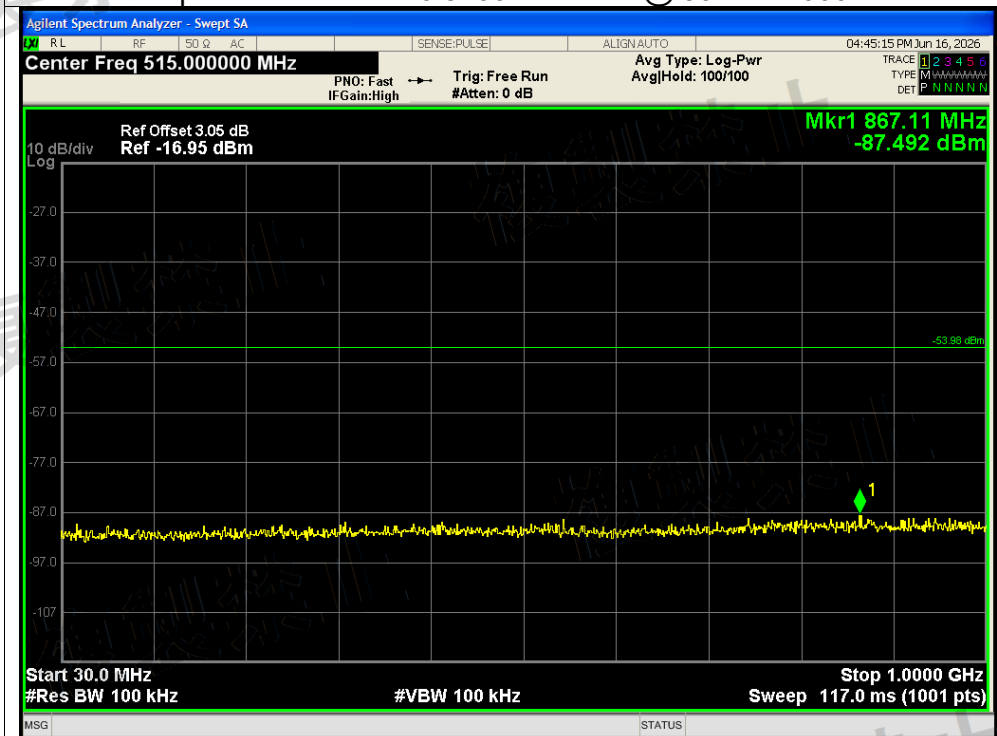


Rx. Spurious NVNT ac20 5180MHz Ant1 @ 1000MHz-26000MHz





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

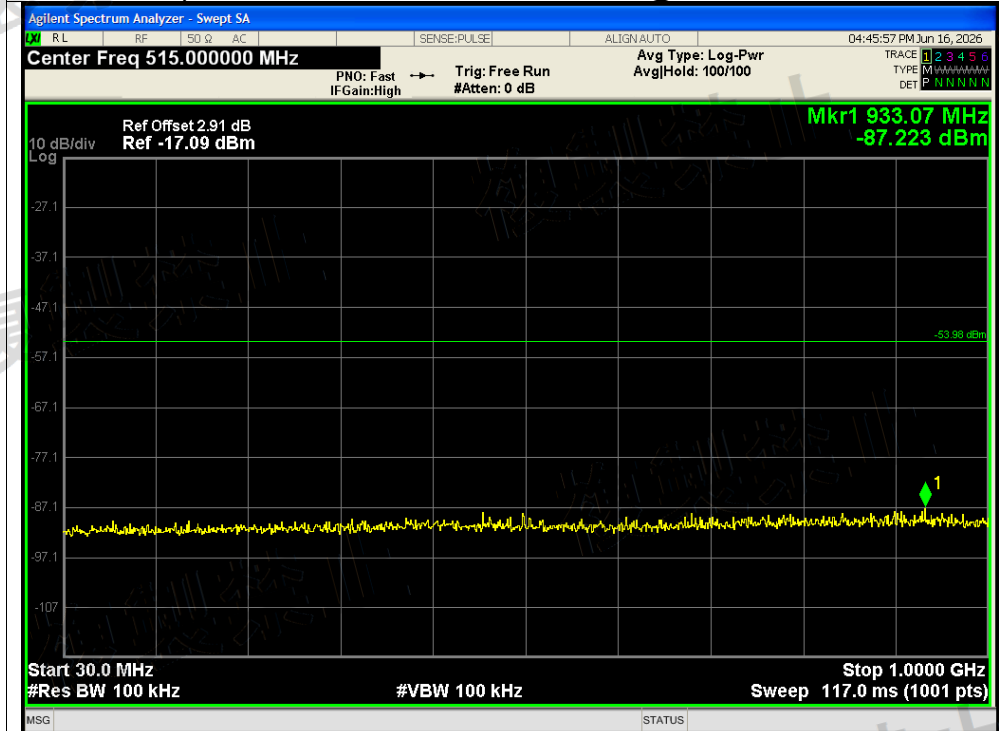


Rx. Spurious NVNT ac20 5200MHz Ant1 @ 1000MHz-26000MHz

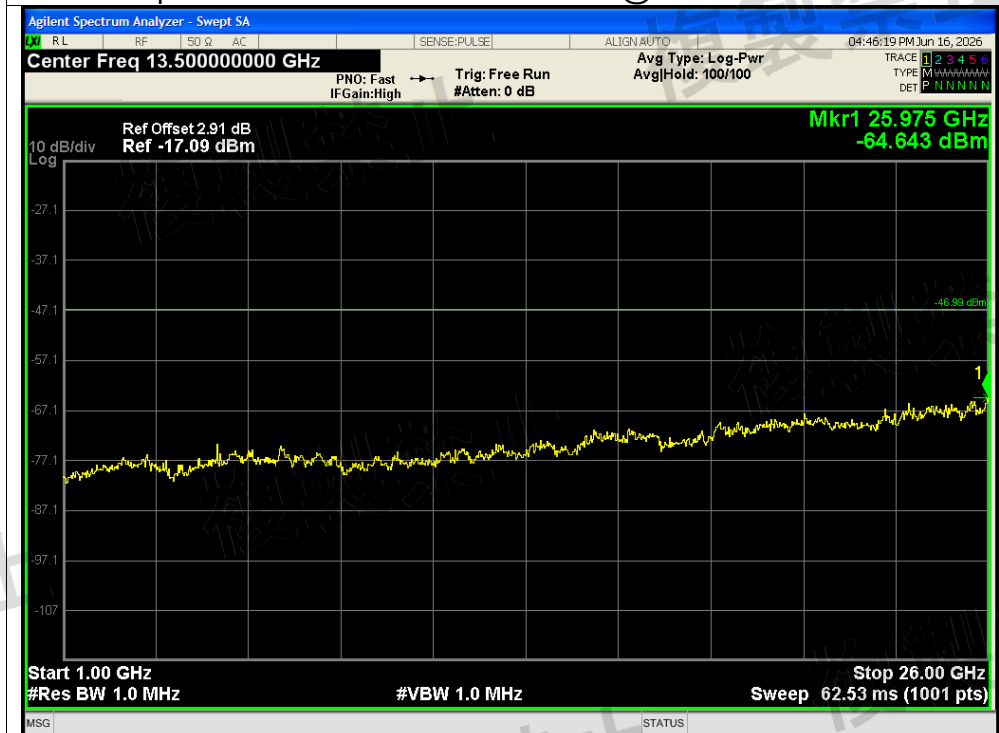




Rx. Spurious NVNT ac20 5240MHz Ant1 @ 30MHz-1000MHz

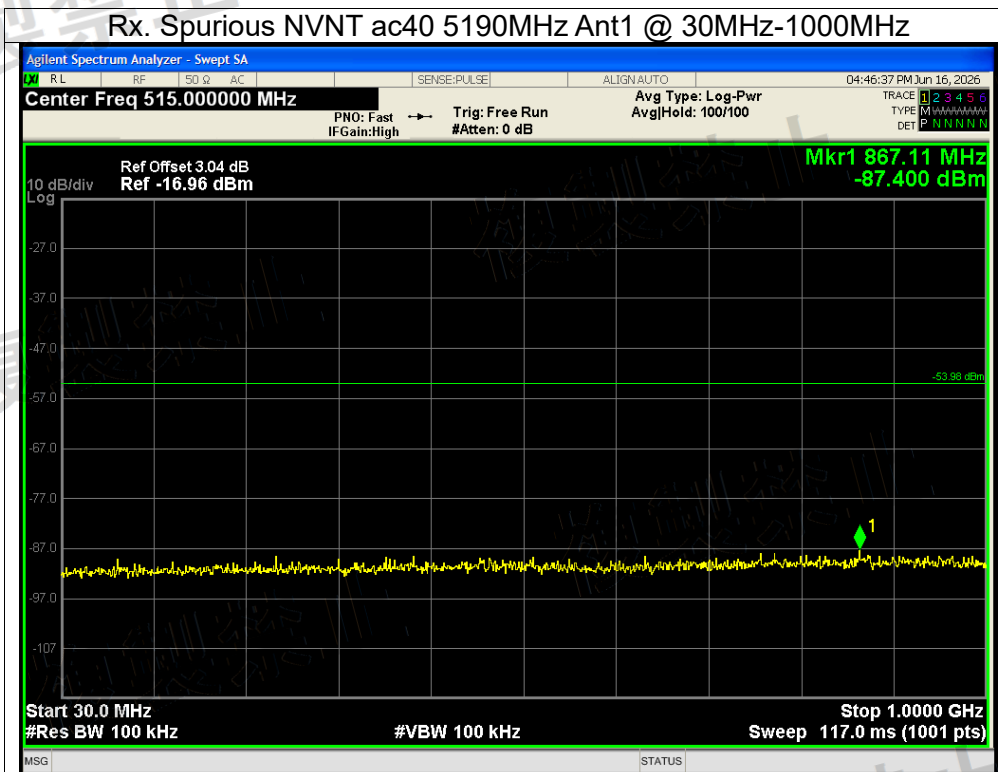


Rx. Spurious NVNT ac20 5240MHz Ant1 @ 1000MHz-26000MHz





Rx. Spurious NVNT ac40 5190MHz Ant1 @ 30MHz-1000MHz

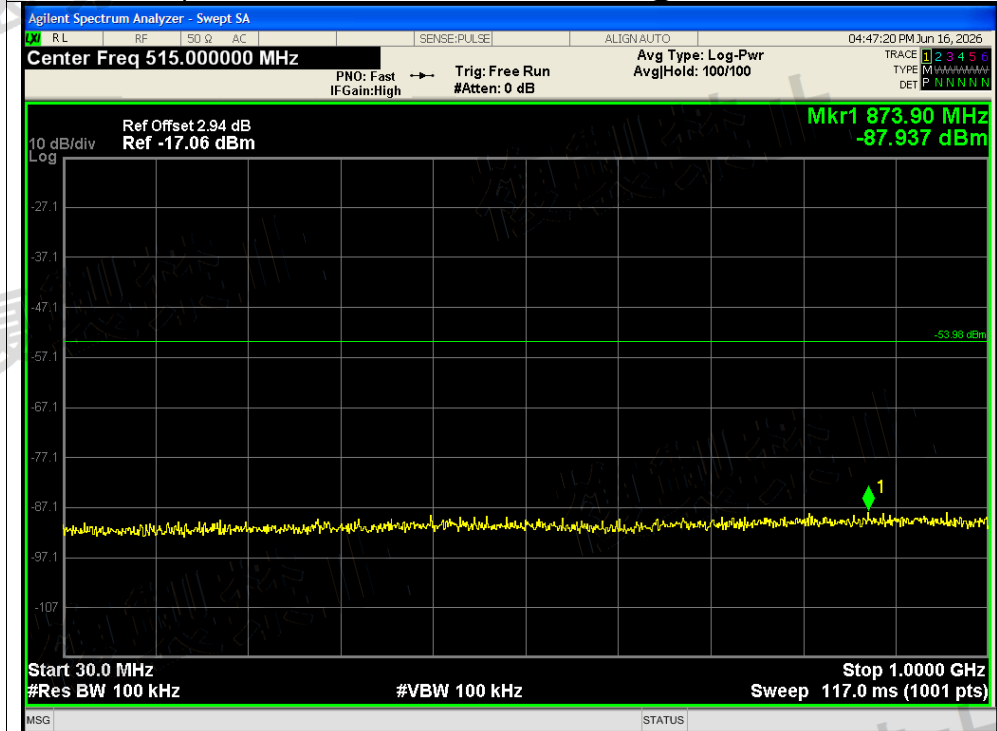


Rx. Spurious NVNT ac40 5190MHz Ant1 @ 1000MHz-26000MHz





Rx. Spurious NVNT ac40 5230MHz Ant1 @ 30MHz-1000MHz

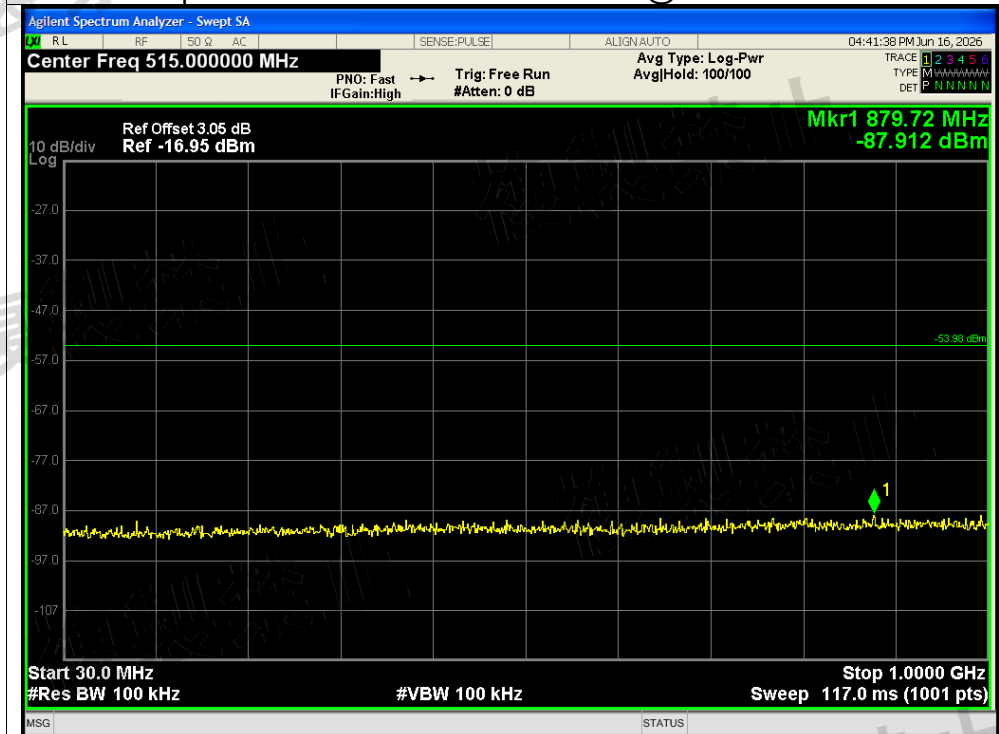


Rx. Spurious NVNT ac40 5230MHz Ant1 @ 1000MHz-26000MHz

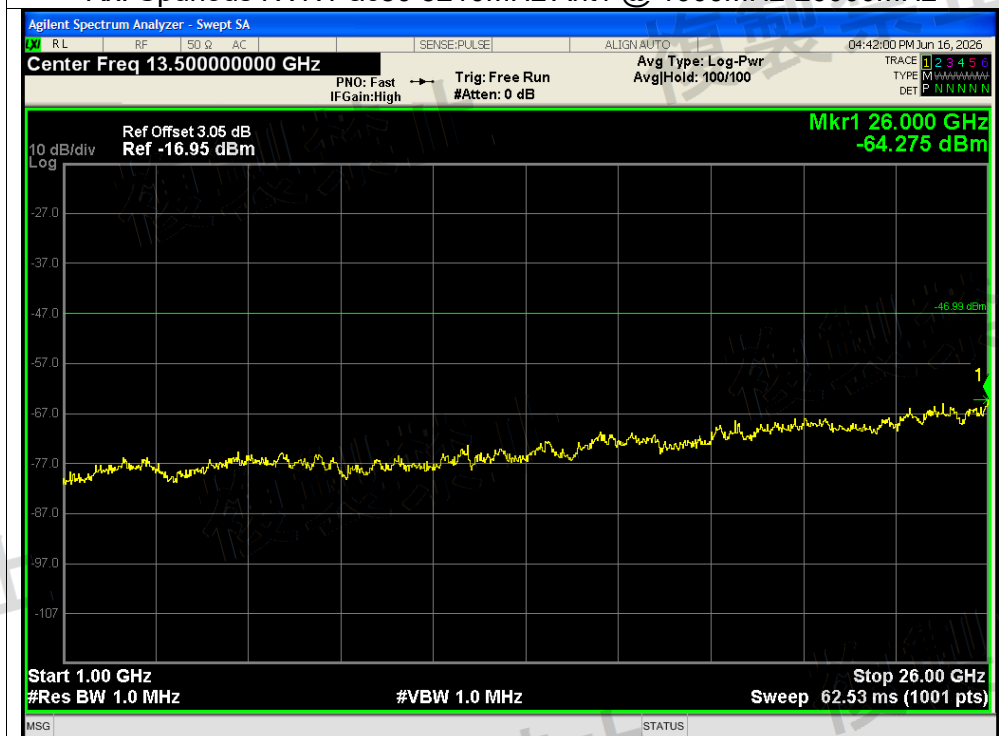




Rx. Spurious NVNT ac80 5210MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT ac80 5210MHz Ant1 @ 1000MHz-26000MHz



11 TRANSMISSION BURST LENGTH MEASUREMENT LIMITS OF BURST LENGTH

Item	Limits
Transmission Burst	$\leq 8\text{ms}$

11.1 MEASURING INSTRUMENTS

See list of measuring instruments of this test report.

11.2 TEST PROCEDURES

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

11.3 TEST SETUP

Spectrum Analyzer



EUT

11.4 TEST DEVIATION

There is no deviation with the original standard.

11.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.6 TEST RESULT OF TRANSMISSION BURST LENGTH

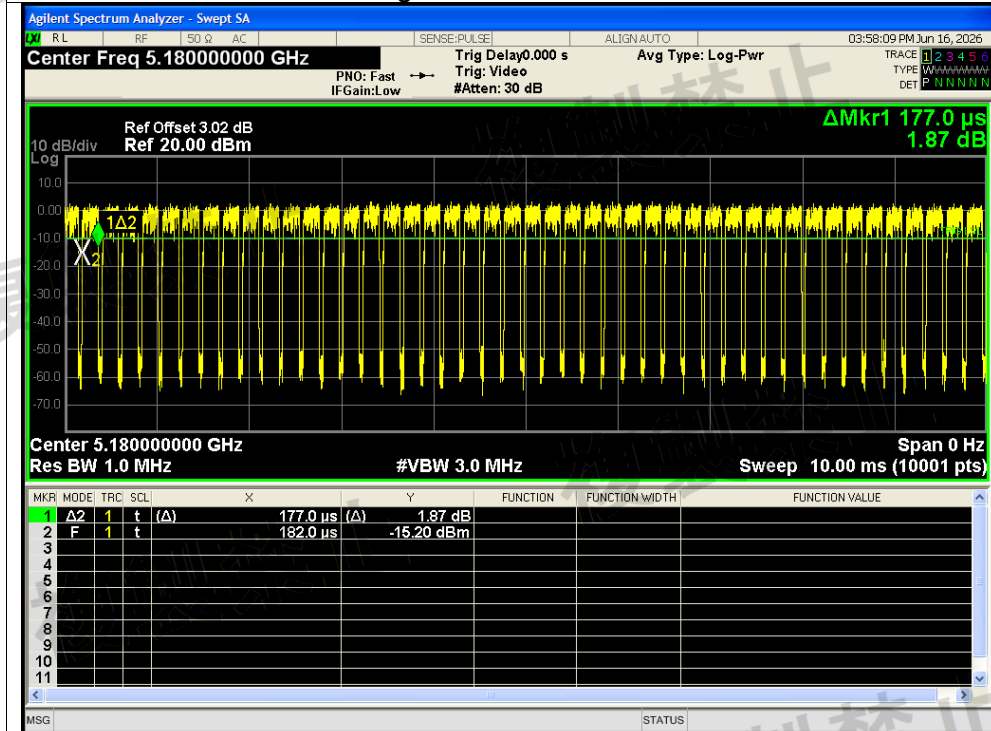


EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16,2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

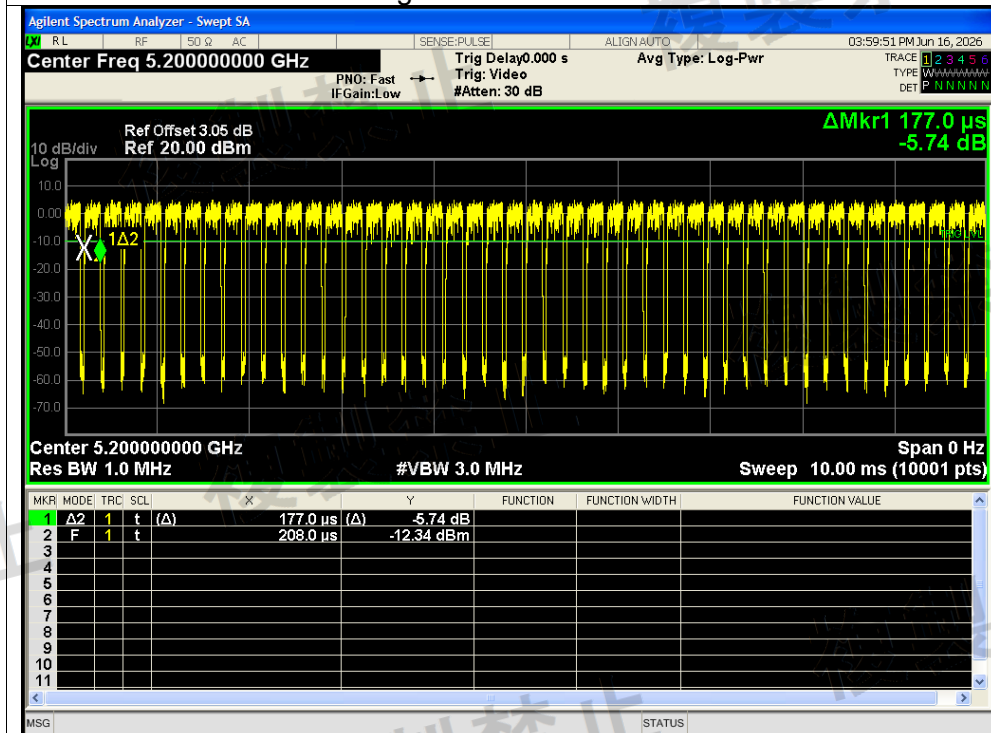
Condition	Mode	Antenna	Burst Length (ms)	Limit (ms)	Verdict
NVNT	a	5180	0.177	8	Pass
NVNT	a	5200	0.177	8	Pass
NVNT	a	5240	0.176	8	Pass
NVNT	n20	5180	0.165	8	Pass
NVNT	n20	5200	0.164	8	Pass
NVNT	n20	5240	0.165	8	Pass
NVNT	n40	5190	0.100	8	Pass
NVNT	n40	5230	0.101	8	Pass
NVNT	ac20	5180	0.168	8	Pass
NVNT	ac20	5200	0.168	8	Pass
NVNT	ac20	5240	0.169	8	Pass
NVNT	ac40	5190	0.092	8	Pass
NVNT	ac40	5230	0.092	8	Pass
NVNT	ac80	5210	0.057	8	Pass

Test Graphs

Burst Length NVNT a 5180MHz Ant1

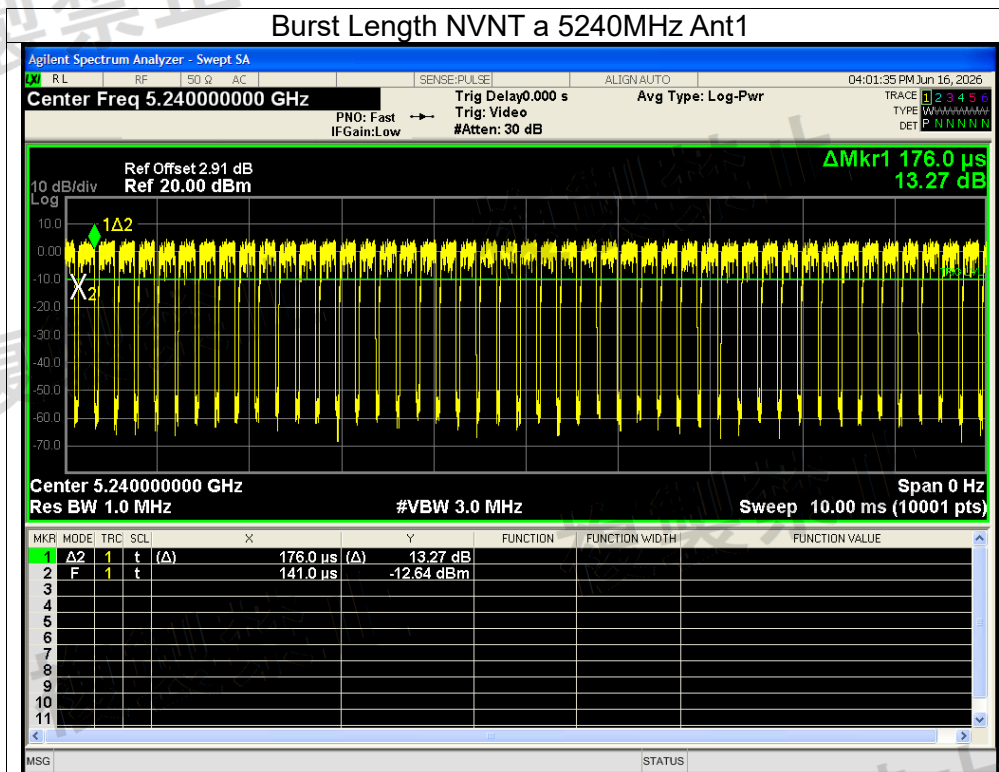


Burst Length NVNT a 5200MHz Ant1

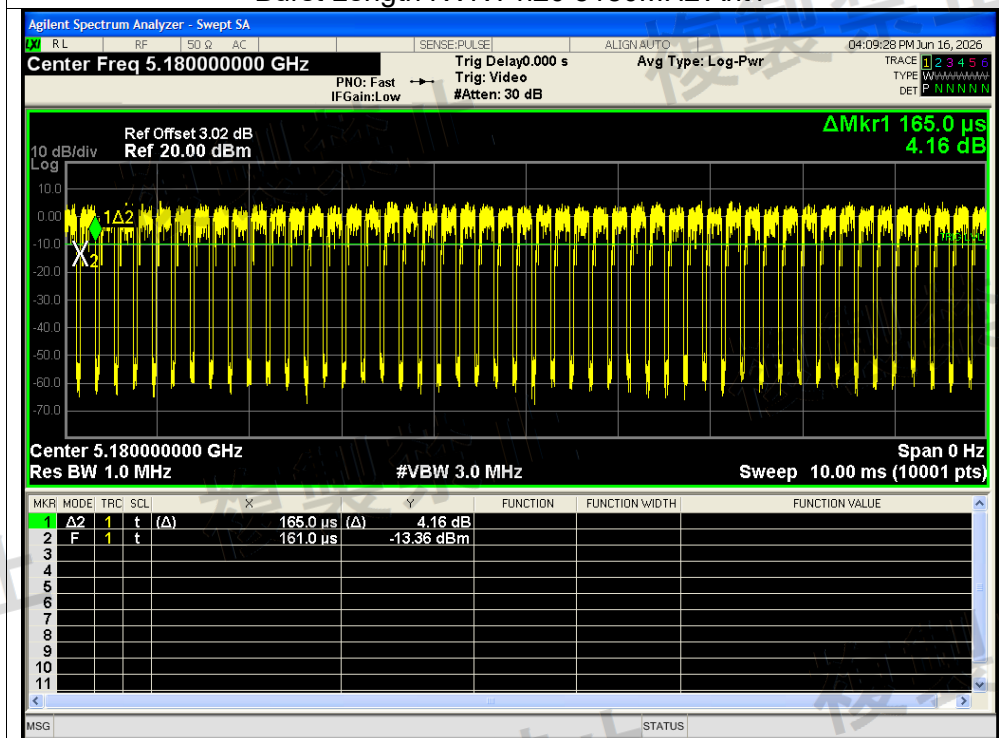




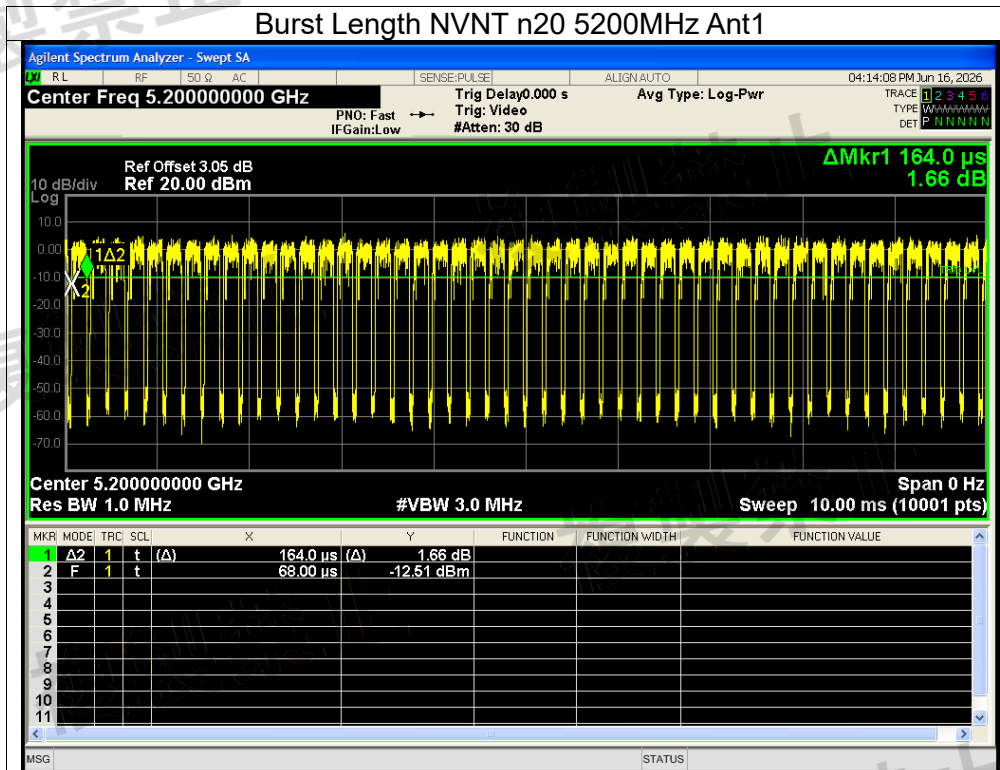
Burst Length NVNT a 5240MHz Ant1



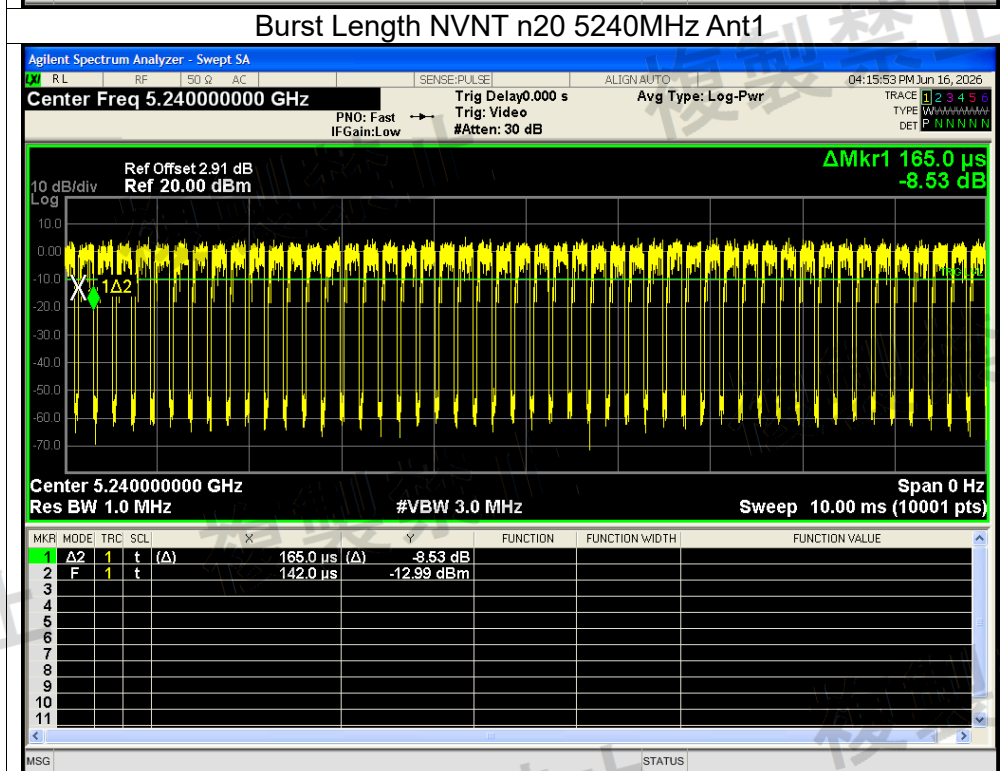
Burst Length NVNT n20 5180MHz Ant1



Burst Length NVNT n20 5200MHz Ant1

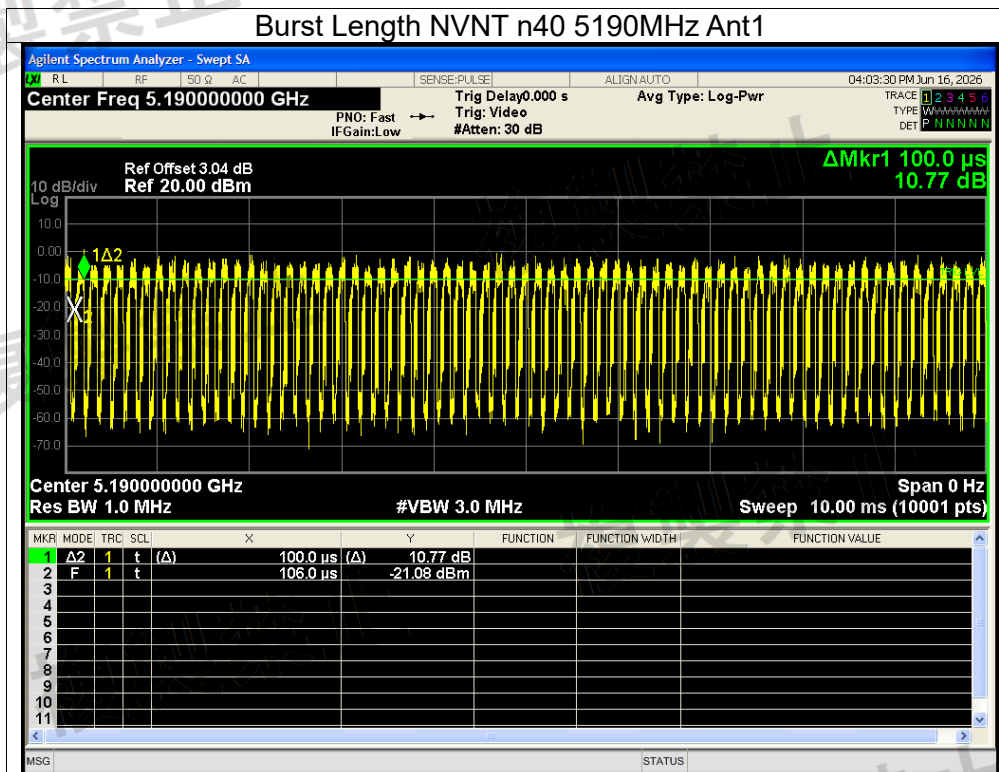


Burst Length NVNT n20 5240MHz Ant1

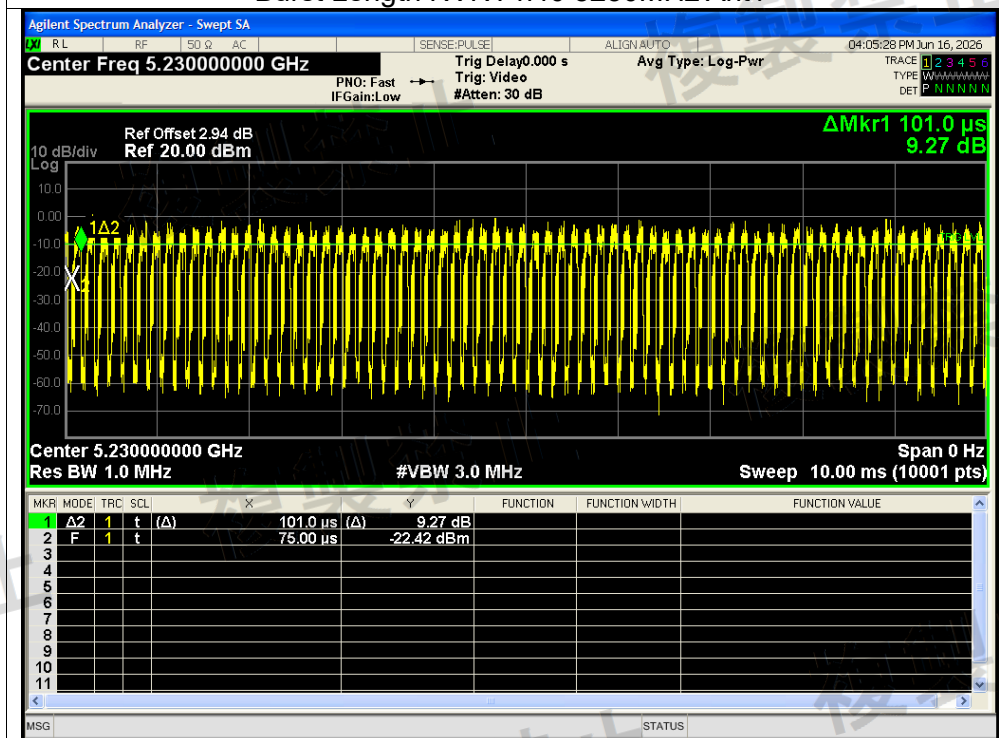




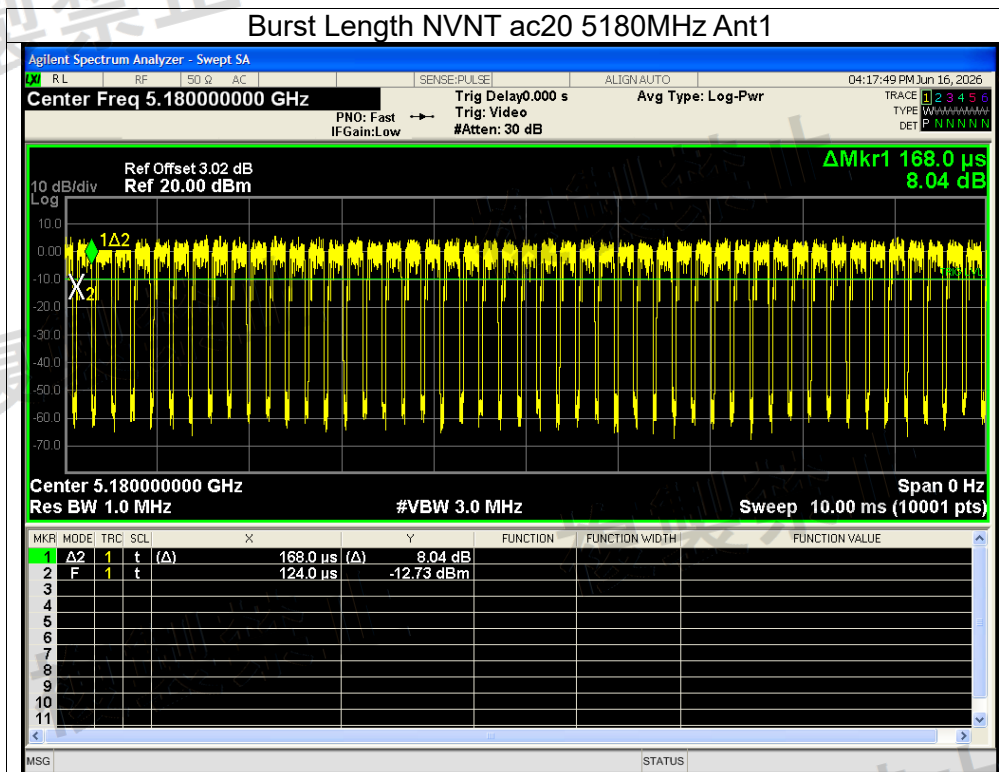
Burst Length NVNT n40 5190MHz Ant1



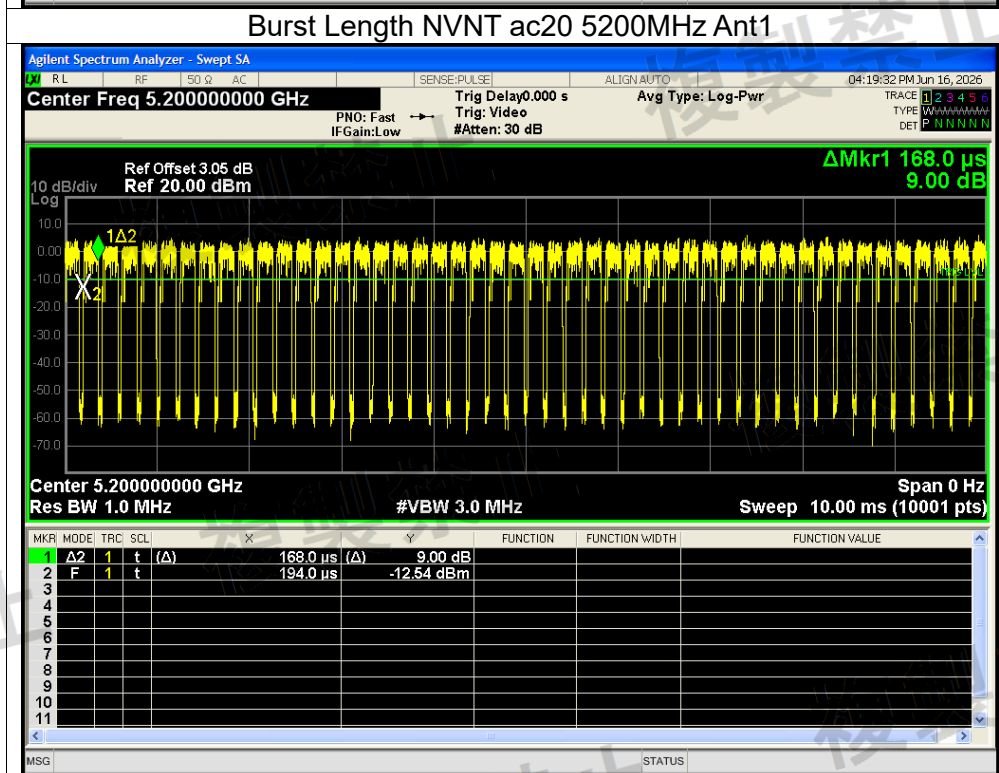
Burst Length NVNT n40 5230MHz Ant1



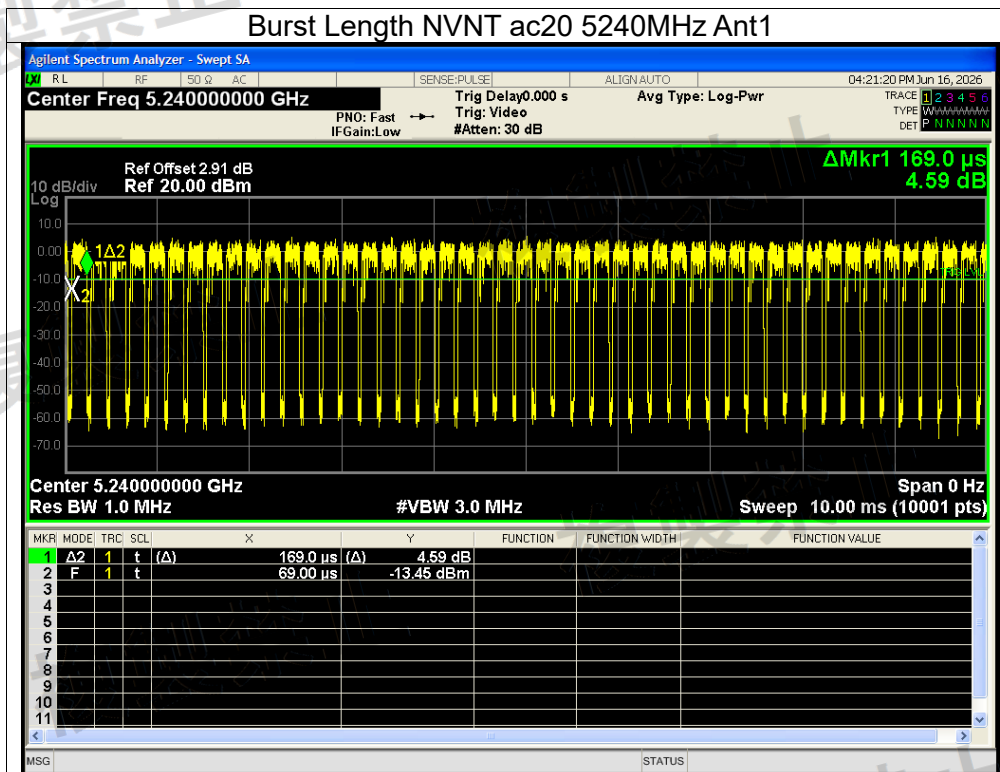
Burst Length NVNT ac20 5180MHz Ant1



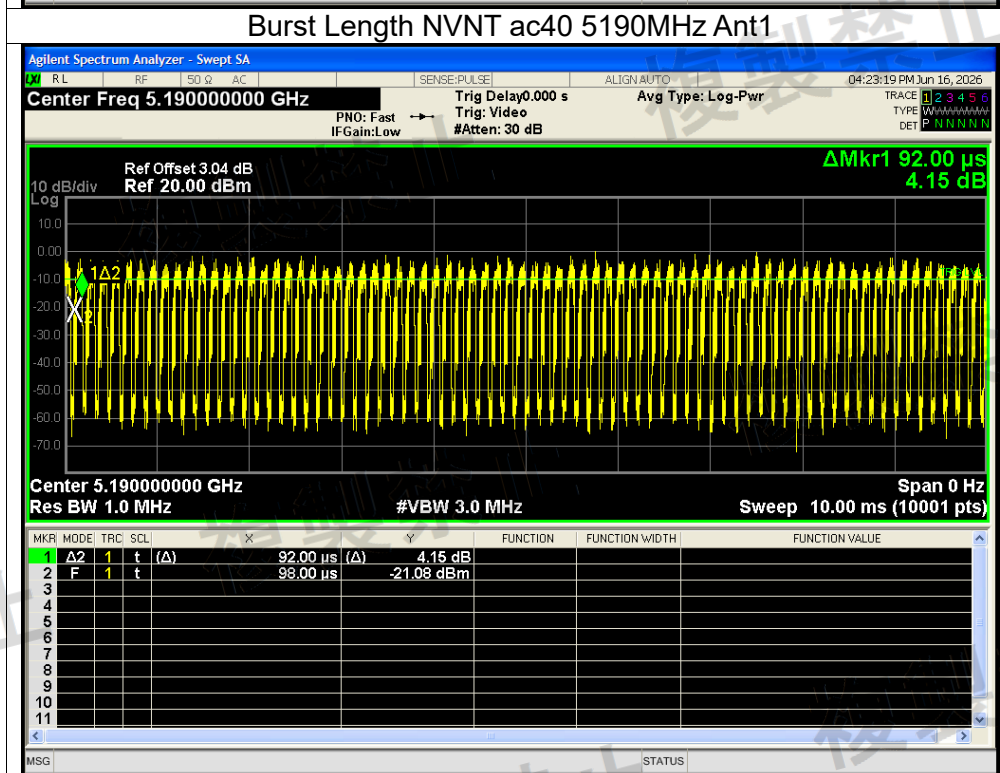
Burst Length NVNT ac20 5200MHz Ant1



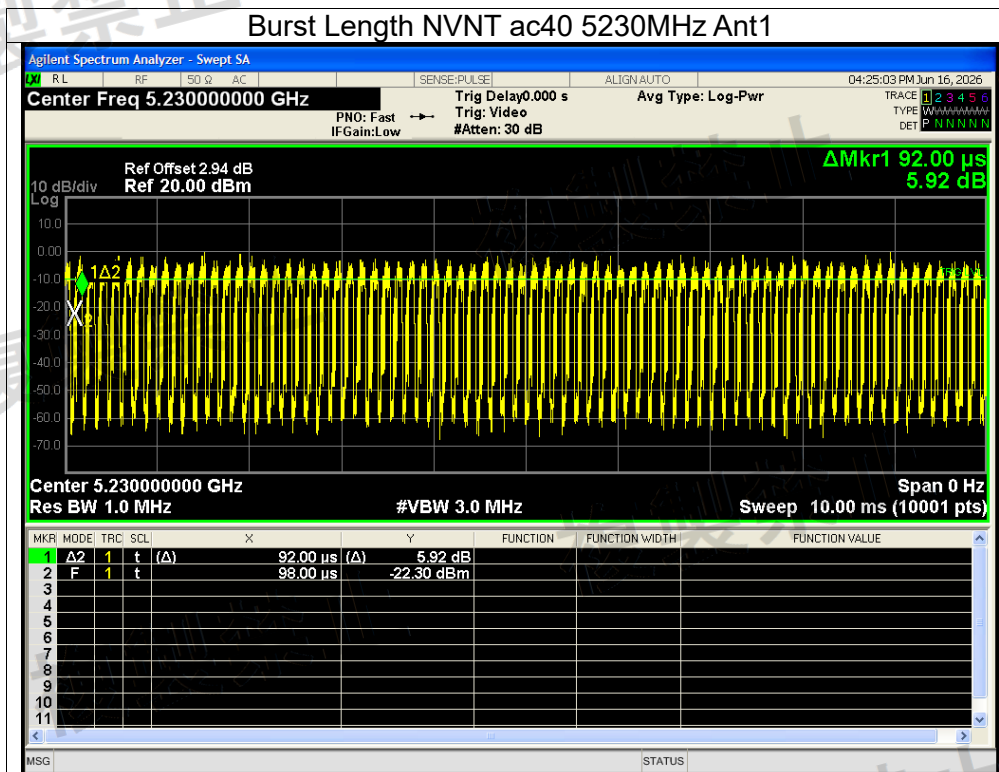
Burst Length NVNT ac20 5240MHz Ant1



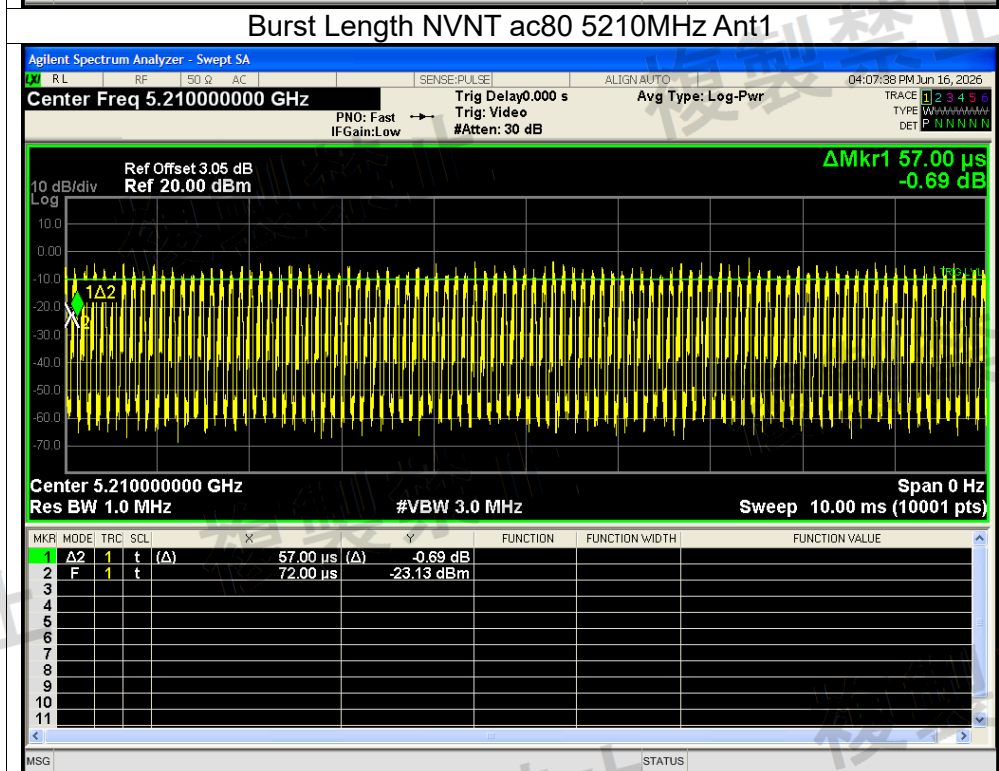
Burst Length NVNT ac40 5190MHz Ant1



Burst Length NVNT ac40 5230MHz Ant1



Burst Length NVNT ac80 5210MHz Ant1



12. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

12.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

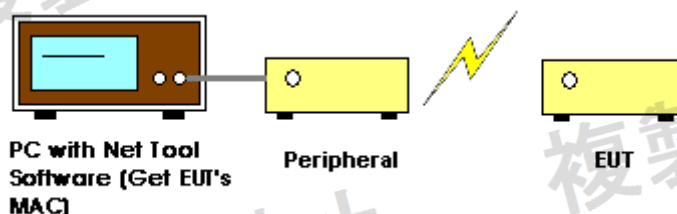
12.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

12.3 TEST PROCEDURES

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

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 OF RADIO INTERFERENCE PREVENTION CAPABILITY

EUT:	Intelligent TPMS & Tire Service tool	Model No.:	MaxiTPMS ITS600
Temperature:	25°C	Test Date:	Jun. 16, 2026
Humidity:	55 % RH	Tested by:	Jack Li
Atmospheric Pressure:	1013 mbar	Test Voltage	Normal Voltage

MAC Address: 54:78:c9:69:4c:66

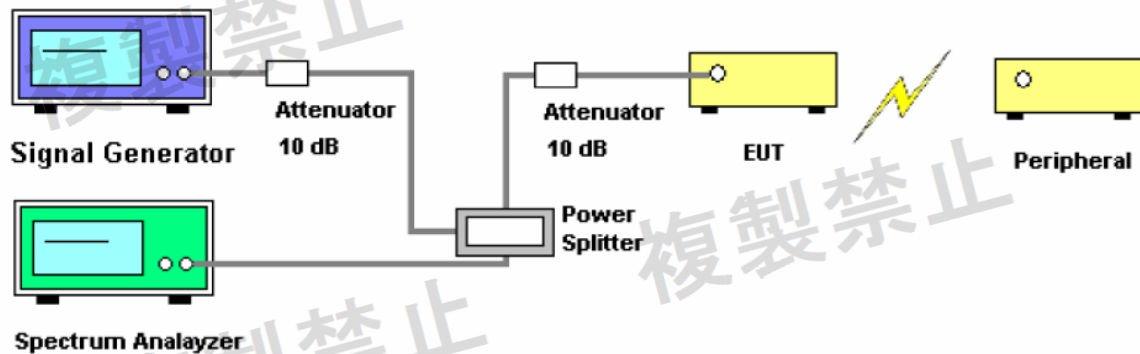
13 CARRIER SENSE CAPABILITY

Limit

EUT stop RF transmission signal after carrier inject to EUT

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.

Result:

Mode	Normal Voltage
802.11a	OK
802.11n20	OK
802.11 n40	OK
802.11ac20	OK
802.11 ac40	OK
802.11 ac80	OK

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

Limit:100mw/m eirp

Confirmed at -50dBm

Result:OK



14. EUT TEST PHOTO

Measurement Photos

