

RF TEST REPORT

Test Report No.....: RF260327006-01-011

Product(s) Name.....: Car Dash Cam

Model(s).....: P2, P2A, P2B, P2C, P2D

Trade Mark.....: VANTRUE

Applicant.....: Shenzhen Sanjiang Lechuang Technology Co., Ltd.

Address.....: 25th Floor, Jinluan International Business Building, No. 98 Heping
East Road, Sanlian Community, Longhua Street, Longhua District,
Shenzhen, China.

Receipt Date.....: 2026.03.31

Test Date.....: 2026.04.03 ~ 2026.05.26

Issued Date.....: 2026.05.26

Standards.....: MIC Notice No.88 Appendix No.45 Article 2, Paragraph 1, Item 78
Rules Section

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

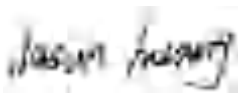
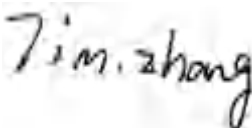
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History of this test report

Original Report Issue Date: 2026.05.26

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Test sample no.	POC260327006-S001
Product name	Car Dash Cam
Model name	P2, P2A, P2B, P2C, P2D
Trade Mark	VANTRUE
Power supply	DC 12-24V from car charger
Car charger information	Input: DC 12-24V USB Output: DC 5V 2A WIRE Output: DC 5V 3A Manufacturer: Vantrue
Radio Type	RLAN
Type of Modulation	OFDM, OFDMA
Support Technical	802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80
Frequency Range	5150-5250MHz
Data Rate (Mbps)	IEEE 802.11a mode: 6/9/12/18/24/36/48/54 IEEE 802.11n mode: up to 150 IEEE 802.11ac mode: up to 433.3 IEEE 802.11ax mode: up to 600.5
Rated Power	W52: 20MHz: 0.8mW/MHz, 40MHz: 0.5mW/MHz, 80MHz: 0.3mW/MHz
Antenna Type	FPC Antenna
Antenna gain	1.36dBi
Applicant	SHENZHEN SANJIANG LECHUANG TECHNOLOGY CO., LTD
Address	25th Floor, Jinluan International Business Building, No. 98 Heping East Road, Sanlian Community, Longhua Street, Longhua District, Shenzhen, China
Manufacturer	SHENZHEN SANJIANG LECHUANG TECHNOLOGY CO., LTD
Address	25th Floor, Jinluan International Business Building, No. 98 Heping East Road, Sanlian Community, Longhua Street, Longhua District, Shenzhen, China
Sample/EUT Status	Good condition

1.2 System Test Configuration

1.2.1 Channel List

Channel Information			
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	802.11a/n/ac/ax (20MHz)	5180-5240	36-48
5150-5250	802.11n/ac/ax (40MHz)	5190-5230	38-46
5150-5250	802.11ac/ax (80MHz)	5210	42

1.2.2 Transmit Operating Mode

Transmit Operating Mode				Transmit Multiple Antennas			
☒	Operating mode 1 (single antenna)			☒	1TX		
☐	Operating mode 2 (multiple antenna, no beam forming)			☐	2TX	☐	3TX ☐ 4TX
☐	Operating mode 3 (multiple antenna, with beam forming)			☐	2TX	☐	3TX ☐ 4TX
☒	802.11a	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11n(20MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11n(40MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ac(20MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ac(40MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ac(80MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ax(20MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ax(40MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX
☒	802.11ax(80MHz)	Operating mode	☒	1TX	☐	2TX	☐ 3TX ☐ 4TX

Note: 802.11ax mode only support SU(full Ru) mode.

1.2.3 Test Voltage

The EUT has its own voltage regulator principle to chip NT98530, the input voltage of the chip is 3.3V and the fluctuation of power supply to the RF circuit of EUT is equal to or less than +/- 1%. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

When an extreme voltage is supplied to the Car Dash Cam, the power deviation of the Car Dash Cam's output is less than 1%. Therefore, testing is only conducted under normal conditions.

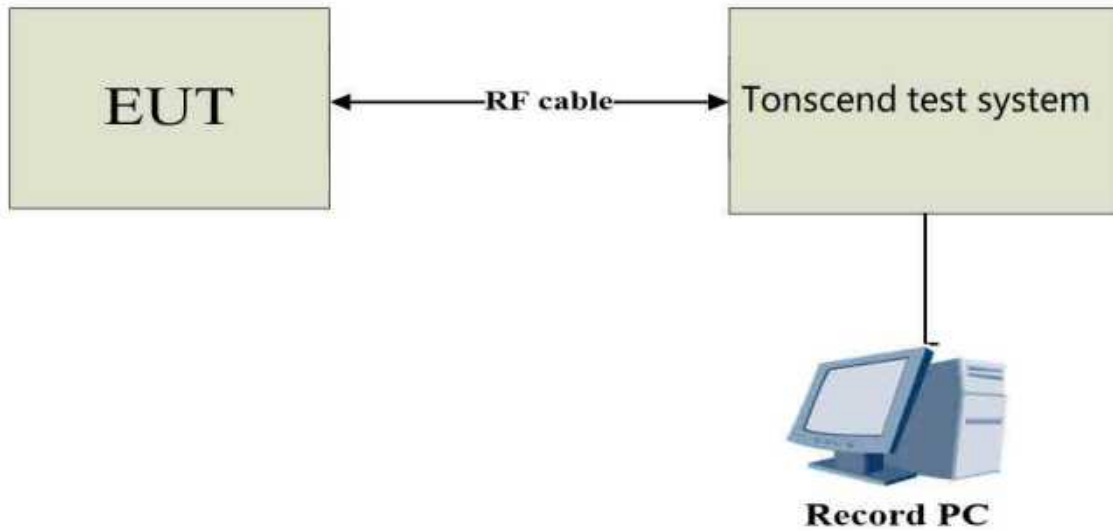
Condition	Input (V/DC) from car charger	The input voltage of the chip (V/DC)
NV	12	3.3
LV	10.8	3.3
HV	13.2	3.3

Note: Changing the external input does not affect the power supply voltage of the chip.

1.2.4 Support Equipment

No.	Equipment	Model	Manufacturer	Rating	Series No
1	PC	M4500T	Thinkpad	/	M032004854IT

1.2.5 Block Diagram of Configuration



1.2.6 Environmental Conditions

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

- Temperature: 15~35°C
- Humidity: 45~75%
- Atmospheric pressure: 86-106 kPa

1.3 Summary of Test Results

MIC Notice No.88 Appendix No.45 Article 2, Paragraph 1, Item 78 Rules Section	Description of Test	Result
3	Frequency Tolerance	Compliant
4	Occupied bandwidth	Compliant
5,7-2	Transmitter Spurious Emission Strength and out-Band Leakage Power	Compliant
6	Antenna Power, Antenna Power Tolerance and E.I.R.P.	Compliant
7-1	Adjacent Channel Power	Compliant
8	Secondary Radiated Emission Strength	Compliant
9	Transmission Burst Length	Compliant
10	Carrier Sense Function	Compliant
11	Interference Prevention Function	Compliant
Note 1	Construction Protection Confirmation	Compliant

Note: 1. MIC Ordinance Regulating Radio Equipment Section 4.17 of Article 49.20;
2. Slave station have the function of transmitting under the control of the master station.

1.4 List of Test and Measurement Instruments

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Cal Due Date	Calibration body	Classification
VXG Signal Generator	Keysight	N5182B	MY59100855	2025/4/18	2026/4/17	Guangzhou Lisai	(c)
VXG Signal Generator	Keysight	N5182B	MY59100855	2026/4/14	2027/4/13	Metrology & Test co. ,Ltd.	
MXA Signal Analyzer	Keysight	N9010A	MY51440158	2025/9/15	2026/9/14	CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd	
RF Control Unit	dsusoft	JS0806-2	21G8060449	2026/2/27	2027/2/26		
EXG Analog Signal Generator	Keysight	N5173B	MY59101282	2026/2/27	2027/2/26		
power supply unit	dsusoft	JS0806-4ADC	N/A	2026/2/27	2027/2/26		
Temp&Humidity Recorder	Meideshi	/	/	2025/4/18	2026/4/17		
Temp&Humidity Recorder	Meideshi	/	/	2026/4/08	2027/4/07		
10dB Attenuator	Tonscend	10dB	NA	Each Time			
Test software	dsusoft	JS1120-3 Ver.3.2.22.0					
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							

1.5 Measurement Uncertainty

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	±102kHz
Frequency Error	± 6.5 x10 ⁻⁸
RF power conducted	±0.243dB
Adjacent Channel Power	±0.243dB
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
Time	±0.19%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

2. Frequency Tolerance

Limit

Standard	Item	Limit
Article 2-1 Item 78	Frequency Tolerance	±20ppm

2.2 Test Procedures

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
SPAN : 500kHz
RBW : 10kHz
VBW : 10kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

2.3 Test Data

Temperature	22.7°C	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.04.21
Test by	Elio Lin	Test result	PASS

Please refer to following data table and plots.

Test Condition	Antenna	Freq(MHz)	Measure Frequency (MHz)	Result [ppm]	Limit [ppm]	Verdict
NTNV	Ant1	5180	5179.9920	-1.54440	±20	PASS
		5200	5199.9840	-3.07692	±20	PASS
		5240	5239.9830	-3.24428	±20	PASS
		5190	5189.9830	-3.27553	±20	PASS
		5230	5229.9825	-3.34608	±20	PASS
		5210	5209.9825	-3.35893	±20	PASS

Note: The EUT was programmed in un-modulation function.

Please refer to recording the spectrum plots in the worst conditions

Test Graphs

NTNV_Ant1_5180



NTNV_Ant1_5200



NTNV_Ant1_5240



NTNV_Ant1_5190



NTNV_Ant1_5230



NTNV_Ant1_5210



3. Occupied Bandwidth (99%)

Limit

Standard	Item	Limit
Article 2-1 Item 78	Occupied Bandwidth	≤20MHz(20MHz Mode OFDM)
		≤40MHz (40MHz Mode OFDM)
		≤80MHz (80MHz Mode OFDM)

3.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
 SPAN : two times nominal bandwidth
 RBW : 300kHz
 VBW : 300kHz
 Sweep Time : Auto
 Detector Mode : Peak
 Display Mode : Max Hold
 OBW : 99%

3.3 Test Data

Temperature	22.7℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.04.21
Test by	Elio Lin	Test result	PASS

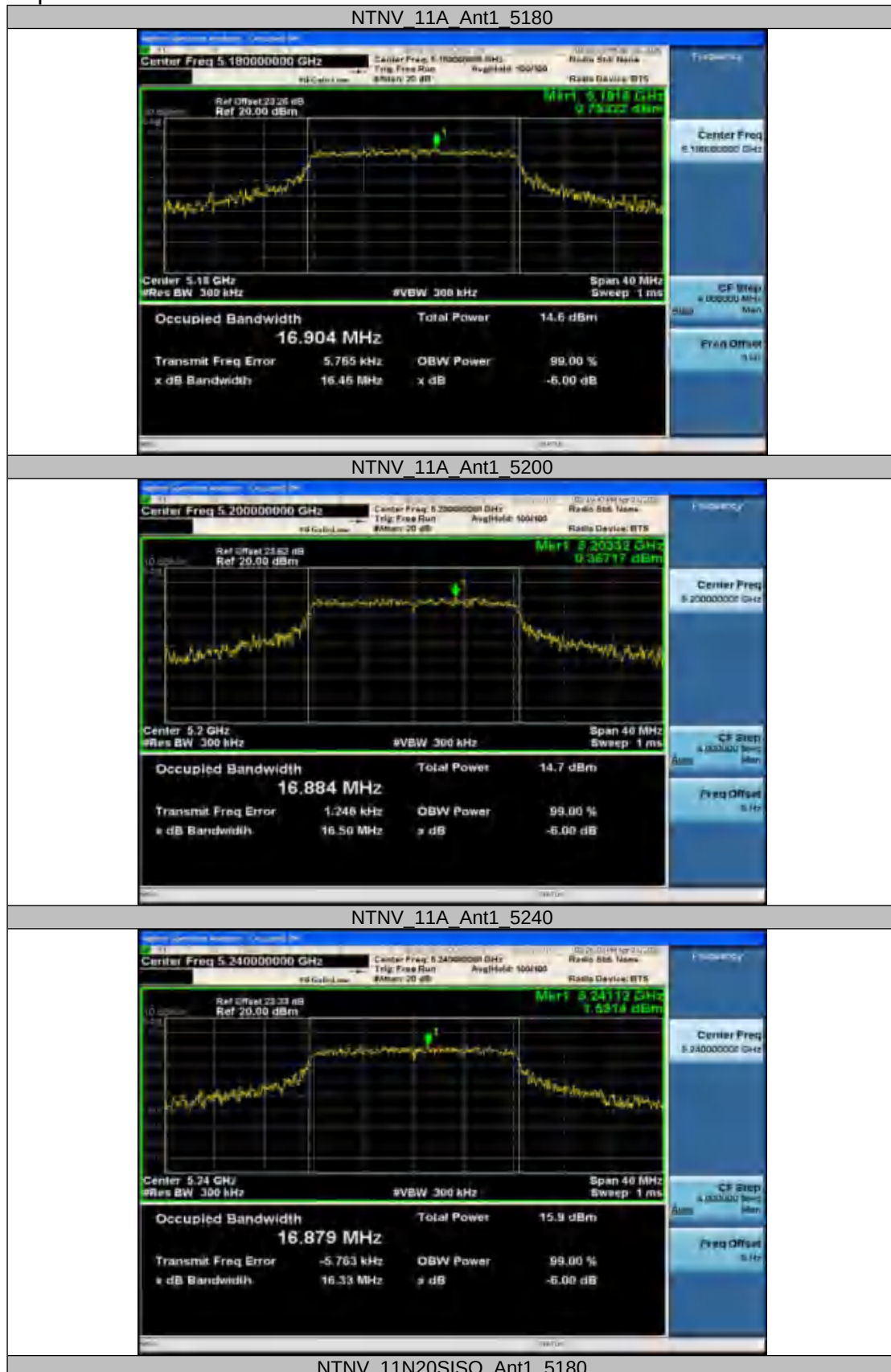
Please refer to following tables.

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	16.904	≤20	PASS
			5200	16.884	≤20	PASS
			5240	16.879	≤20	PASS
	11N20SISO	Ant1	5180	17.965	≤20	PASS
			5200	18.209	≤20	PASS
			5240	18.141	≤20	PASS
	11N40SISO	Ant1	5190	36.286	≤40	PASS
			5230	36.345	≤40	PASS
	11AC20SISO	Ant1	5180	18.123	≤20	PASS
			5200	18.120	≤20	PASS
			5240	18.148	≤20	PASS
	11AC40SISO	Ant1	5190	36.282	≤40	PASS
			5230	36.273	≤40	PASS
	11AC80SISO	Ant1	5210	75.893	≤80	PASS
	11AX20SISO	Ant1	5180	19.000	≤20	PASS
			5200	19.037	≤20	PASS
			5240	19.073	≤20	PASS
	11AX40SISO	Ant1	5190	37.803	≤40	PASS

			5230	37.817	≤40	PASS
	11AX80SISO	Ant1	5210	77.368	≤80	PASS

Please refer to recording the spectrum plots in the worst conditions

Test Graphs





NTVN_11N20SISO_Ant1_5200



NTVN_11N20SISO_Ant1_5240



NTVN_11N40SISO_Ant1_5190



NTVN_11N40SISO_Ant1_5230



NTVN_11AC20SISO_Ant1_5180



NTVN_11AC20SISO_Ant1_5200



NTNV_11AC20SISO_Ant1_5240



NTNV_11AC40SISO_Ant1_5190



NTNV_11AC40SISO_Ant1_5230



NTNV_11AC80SISO_Ant1_5210



NTNV_11AX20SISO_Ant1_5180



NTNV_11AX20SISO_Ant1_5200



NTVN_11AX20SISO_Ant1_5240



NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230



NTNV_11AX80SISO_Ant1_5210



4. Transmitter Spurious Emission Strength and out-Band Leakage Power

Limit

20MHz system	40MHz system	80MHz system
5,142 MHz or less : 0.5 μ W/MHz	5,141.8 MHz or less : 0.5 μ W/MHz	5,123.2 MHz or less : 0.5 μ W/MHz
5,142 - 5,150 MHz : 3 μ W/MHz	5,141.6 - 5,150 MHz : 3 μ W/MHz	5,123.2 - 5,150 MHz : 3 μ W/MHz
5,250 - 5,260.2 MHz : $0.2 \times 10^{-10}(f/5)^{-0.75}$ mW/MHz		
5,250.2 - 5,261 MHz : $0.2 \times 10^{-10}(f/5)^{-0.75}$ mW/MHz	5,250 - 5,261 MHz : $0.2 \times 10^{-10}(f/20)^{-0.75}$ mW/MHz	5,250 - 5,261 MHz : $0.2 \times 10^{-10}(f/40)^{-0.75}$ mW/MHz
5,261 - 5,268 MHz : $0.2 \times 10^{-10}(f/10)^{-0.75}$ mW/MHz	5,261 - 5,270 MHz : $0.2 \times 10^{-10}(f/20)^{-0.75}$ mW/MHz	5,261 - 5,290 MHz : $0.2 \times 10^{-10}(f/40)^{-0.75}$ mW/MHz
5,268 - 5,268.7 MHz : $0.2 \times 10^{-10}(f/10)^{-0.75}$ mW/MHz	5,270 - 5,278.4 MHz : $0.2 \times 10^{-10}(f/20)^{-0.75}$ mW/MHz	5,290 - 5,298.7 MHz : $0.2 \times 10^{-10}(f/40)^{-0.75}$ mW/MHz
5,268.7 - 5,365 MHz : 0.5 μ W/MHz	5,278.4 - 5,400 MHz : 0.5 μ W/MHz	5,298.7 - 5,480 MHz : 0.5 μ W/MHz
> 5,365 MHz or more : 0.5 μ W/MHz	> 5,400 MHz or more : 0.5 μ W/MHz	> 5,480 MHz or more : 0.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

4.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.

- Set Spectrum Analyzer as below:

SPAN	: Measuring Frequency Range
RBW	: 1MHz
VBW	: Same as RBW
Sweep Time	: Auto (Minimum time to ensure measurement accuracy.)
Detector Mode	: Peak
Display Mode	: Max Hold
Data points	: 400 points or more

4.3 Test Data

Temperature	22.7°C	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.05.25-2026.05.26
Test by	Elio Lin	Test result	PASS

Please refer to Appendix A for the test data(The test results have been added with antenna gain).

5. Receiver Secondary Radiated Emission Strength

Limit

Standard	Frequency	Limit
Article 2-1 Item 78	Below 1GHz	4nW/-54dBm
	Above 1GHz	20nW/-47dBm

5.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Below 1GHz(30-1GHz)
Above 1GHz(1-26GHz)
RBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
VBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

5.3 Test Data

Temperature	22.7℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.04.21
Test by	Elio Lin	Test result	PASS

Please refer to Appendix B for the test data

6. Antenna Power, Antenna Power Tolerance and E.I.R.P.

Limit

Item	Limits		
	20MHz	40MHz	80MHz
Antenna Power	2mW/MHz	1mW/MHz	0.5mW/MHz
E.I.R.P.	2mW/MHz	1mW/MHz	0.5mW/MHz
Antenna Power Tolerance	$\leq +20\%$, -80%		

6.2 Measurement Procedure

Connect the UUT to the power meter and use the following settings:

- Centre Frequency: Set the product to the corresponding operating frequency, then connect it to the power meter for testing.

6.3 Test Data

Temperature	22.7°C	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.05.25
Test by	Elio Lin	Test result	PASS

Please refer to following data table and plots.

Normal Voltage Antenna Power

Mode (802.11)	Frequency (MHz)	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declared Power (mW/MHz)	Limits of Antenna Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
a	5180	-1.46	0.71	0.8	2	-11.25%	20	-80	Pass
	5200	-1.51	0.71	0.8	2	-11.25%	20	-80	Pass
	5240	-1.60	0.69	0.8	2	-13.75%	20	-80	Pass
n20	5180	-1.18	0.76	0.8	2	-5.00%	20	-80	Pass
	5200	-1.09	0.78	0.8	2	-2.50%	20	-80	Pass
	5240	-1.15	0.77	0.8	2	-3.75%	20	-80	Pass
n40	5190	-3.79	0.42	0.5	1	-16.00%	20	-80	Pass
	5230	-3.54	0.44	0.5	1	-12.00%	20	-80	Pass
ac20	5180	-1.34	0.73	0.8	2	-8.75%	20	-80	Pass
	5200	-1.36	0.73	0.8	2	-8.75%	20	-80	Pass
	5240	-1.25	0.75	0.8	2	-6.25%	20	-80	Pass
ac40	5190	-3.81	0.42	0.5	1	-16.00%	20	-80	Pass
	5230	-3.56	0.44	0.5	1	-12.00%	20	-80	Pass
ac80	5210	-6.21	0.24	0.3	0.5	-20.00%	20	-80	Pass
ax20	5180	-1.06	0.78	0.8	2	-2.50%	20	-80	Pass
	5200	-1.14	0.77	0.8	2	-3.75%	20	-80	Pass

	5240	-1.39	0.73	0.8	2	-8.75%	20	-80	Pass
ax40	5190	-3.93	0.40	0.5	1	-20.00%	20	-80	Pass
	5230	-3.78	0.42	0.5	1	-16.00%	20	-80	Pass
ax80	5210	-6.54	0.22	0.3	0.5	-26.67%	20	-80	Pass

EIRP Power

Condition	Mode 802.11	Frequency (MHz)	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	EIRP Power (mW/MHz)	Limit (mW/MHz)	Verdict
NVNT	a	5180	-1.46	1.36	-0.10	0.98	2	Pass
		5200	-1.51	1.36	-0.15	0.97	2	Pass
		5240	-1.60	1.36	-0.24	0.95	2	Pass
	n20	5180	-1.18	1.36	0.18	1.04	2	Pass
		5200	-1.09	1.36	0.27	1.06	2	Pass
		5240	-1.15	1.36	0.21	1.05	2	Pass
	n40	5190	-3.79	1.36	-2.43	0.57	1	Pass
		5230	-3.54	1.36	-2.18	0.61	1	Pass
	ac20	5180	-1.34	1.36	0.02	1.00	2	Pass
		5200	-1.36	1.36	0	1.00	2	Pass
		5240	-1.25	1.36	0.11	1.03	2	Pass
	ac40	5190	-3.81	1.36	-2.45	0.57	1	Pass
		5230	-3.56	1.36	-2.2	0.60	1	Pass
	ac80	5210	-6.21	1.36	-4.85	0.33	0.5	Pass
	ax20	5180	-1.06	1.36	0.30	1.07	2	Pass
		5200	-1.14	1.36	0.22	1.05	2	Pass
		5240	-1.39	1.36	-0.03	0.99	2	Pass
	ax40	5190	-3.93	1.36	-2.57	0.55	1	Pass
		5230	-3.78	1.36	-2.42	0.57	1	Pass
	ax80	5210	-6.54	1.36	-5.18	0.30	0.5	Pass

Recording the result in the worst conditions

7. Carrier Sense Function

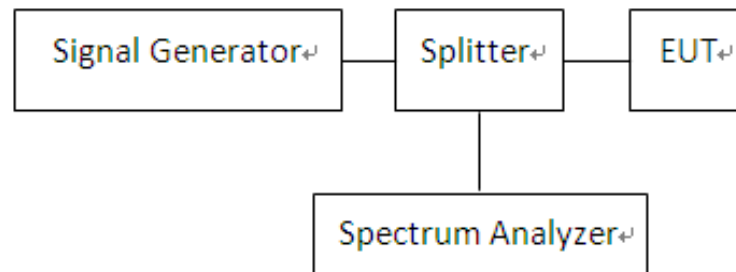
Limit

According to article 49-20. The device shall have the carrier sensing function.

Field intensity in the direction of the maximum gain of a receiving antenna: 100mV/m

Start transmission after performing a carrier sense. However, when transmission and reception are controlled from other radio equipment, and when the radio equipment which performed transmission resumes transmission within 8 milliseconds, it can omit performing a carrier sense.

7.2 Test Setup Block Diagram



7.3 Measurement Procedure

1. SG adjust the frequency as same as the EUT transmitted signal, unmodulation, power level 0dBm, Then turn off the RF signal
2. EUT have transmitted the maximum modulation signal and fixed channel
3. Setting of the SA following as RBW/VBW: 1/1MHz; SPAN: 50MHz; Sweep time: Auto Detect mode: positive peak.
4. SG Signal on EUT shall be stop the transmitted, Then turn off the SG, The EUT shall be continuous transmitted signal.

7.4 Summary of Test Results/Plots

Test Item	Test Result
Carrier Sensing Function	Good (EUT Stop RF transmission signal after carrier inject to EUT. Stop carrier inject, EUT will transmitting normal.)

8. Adjacent Channel Emitted Power

Limit

Adjacent Channel Emitted Power	$0\text{BW} \leq 18\text{MHz}$ $F_c \pm 20\text{MHz}$ $\pm 9\text{MHz BW} : -25\text{dBc}$	$18\text{MHz} < 0\text{BW} \leq 20\text{MHz}$ $F_c \pm 20\text{MHz}$ $\pm 10\text{MHz BW} : -25\text{dBc}$	$F_c \pm 40\text{MHz}$ $\pm 20\text{MHz BW} : -25\text{dBc}$	$F_c \pm 80\text{MHz}$ $\pm 40\text{MHz BW} : -25\text{dBc}$
	$0\text{BW} \leq 18\text{MHz}$ $F_c \pm 40\text{MHz}$ $\pm 9\text{MHz BW} : -40\text{dBc}$	$18\text{MHz} < 0\text{BW} \leq 20\text{MHz}$ $F_c \pm 40\text{MHz}$ $\pm 10\text{MHz BW} : -40\text{dBc}$	$F_c \pm 80\text{MHz}$ $\pm 20\text{MHz BW} : -40\text{dBc}$	

8.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
 RBW : 300kHz
 VBW : 300kHz
 Sweep Time : Auto
 Detector Mode : Peak
 Display Mode : Max Hold

- Note: 1. SA set the Channel Power Function and Channel Bandwidth: 38MHz and Center Frequency: The center frequency of testing for EUT. Then SA automatically calculate the channel power of EUT and A is representative of this channel power
2. SA set the Channel Power Function and Channel Bandwidth: 38MHz and Center Frequency: The center frequency of testing for EUT $\pm$ 40MHz. Then SA automatically subtract the first adjacent channel power of EUT from channel power, the value must more than 25dB.
3. SA set the Channel Power Function and Channel Bandwidth: 38MHz and Center Frequency: The center frequency of testing for EUT $\pm$ 80MHz. Then SA automatically subtract the second adjacent channel power of EUT form channel power, the value must more than 40dB.

8.3 Test Data

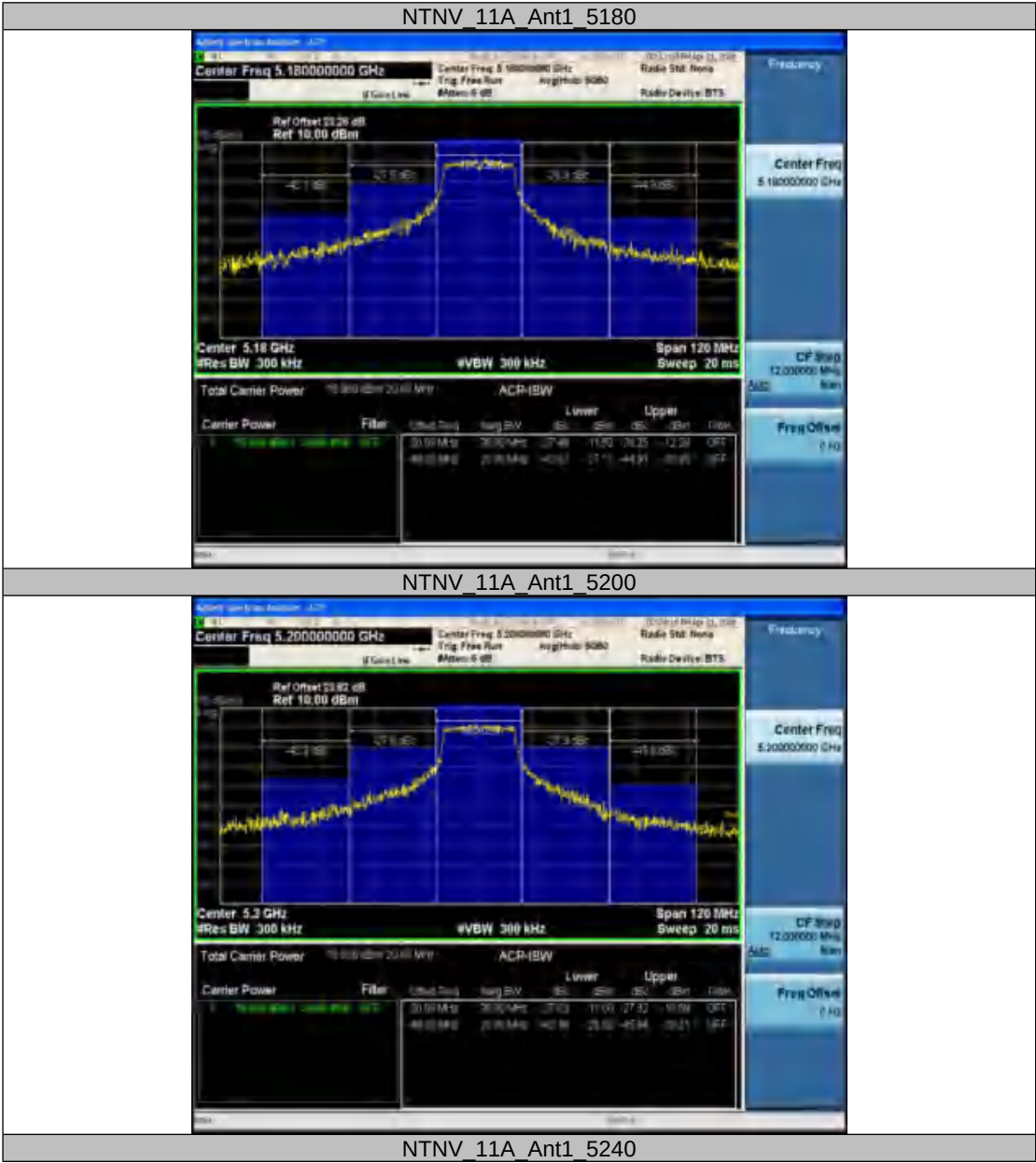
Temperature	22.7°C	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.04.21
Test by	Elio Lin	Test result	PASS

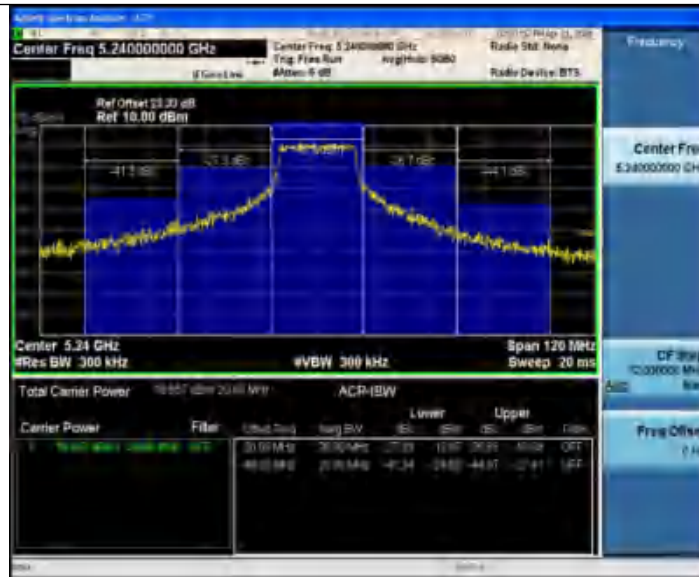
Please refer to following data table and plots.

Test Condition	Test Mode	Antenna	Freq(MHz)	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11A	Ant1	5180	-40	-43.07	≤-40	PASS
				-20	-27.48	≤-25	PASS
				+20	-28.25	≤-25	PASS
				+40	-44.91	≤-40	PASS
			5200	-40	-43.16	≤-40	PASS
				-20	-27.63	≤-25	PASS
				+20	-27.32	≤-25	PASS
				+40	-45.84	≤-40	PASS
			5240	-40	-41.34	≤-40	PASS
				-20	-27.33	≤-25	PASS
				+20	-26.68	≤-25	PASS
				+40	-44.07	≤-40	PASS
	11N20SISO	Ant1	5180	-40	-40.46	≤-40	PASS
				-20	-26.39	≤-25	PASS
				+20	-25.43	≤-25	PASS
				+40	-41.28	≤-40	PASS
			5200	-40	-40.10	≤-40	PASS
				-20	-25.74	≤-25	PASS
				+20	-26.24	≤-25	PASS
				+40	-42.80	≤-40	PASS
			5240	-40	-45.06	≤-40	PASS
				-20	-26.63	≤-25	PASS
				+20	-26.87	≤-25	PASS
				+40	-47.28	≤-40	PASS
	11N40SISO	Ant1	5190	-80	-43.61	≤-40	PASS
				-40	-30.67	≤-25	PASS
				+40	-29.75	≤-25	PASS
				+80	-44.28	≤-40	PASS
			5230	-80	-41.48	≤-40	PASS
				-40	-29.20	≤-25	PASS
				+40	-28.96	≤-25	PASS
				+80	-43.36	≤-40	PASS
	11AC20SISO	Ant1	5180	-40	-40.91	≤-40	PASS
				-20	-26.36	≤-25	PASS
				+20	-26.24	≤-25	PASS
				+40	-43.12	≤-40	PASS
			5200	-40	-45.75	≤-40	PASS
				-20	-26.36	≤-25	PASS
				+20	-25.35	≤-25	PASS
				+40	-43.62	≤-40	PASS
			5240	-40	-43.73	≤-40	PASS
				-20	-26.40	≤-25	PASS
				+20	-26.67	≤-25	PASS
				+40	-46.22	≤-40	PASS
	11AC40SISO	Ant1	5190	-80	-44.02	≤-40	PASS
				-40	-30.51	≤-25	PASS
				+40	-29.98	≤-25	PASS
				+80	-44.62	≤-40	PASS
			5230	-80	-42.57	≤-40	PASS
				-40	-29.81	≤-25	PASS
				+40	-29.14	≤-25	PASS
				+80	-44.52	≤-40	PASS
	11AC80SISO	Ant1	5210	-80	-31.92	≤-25	PASS
				+80	-28.86	≤-25	PASS
	11AX20SISO	Ant1	5180	-40	-46.07	≤-40	PASS
				-20	-27.42	≤-25	PASS
				+20	-27.71	≤-25	PASS
				+40	-47.49	≤-40	PASS
			5200	-40	-44.93	≤-40	PASS
				-20	-27.26	≤-25	PASS

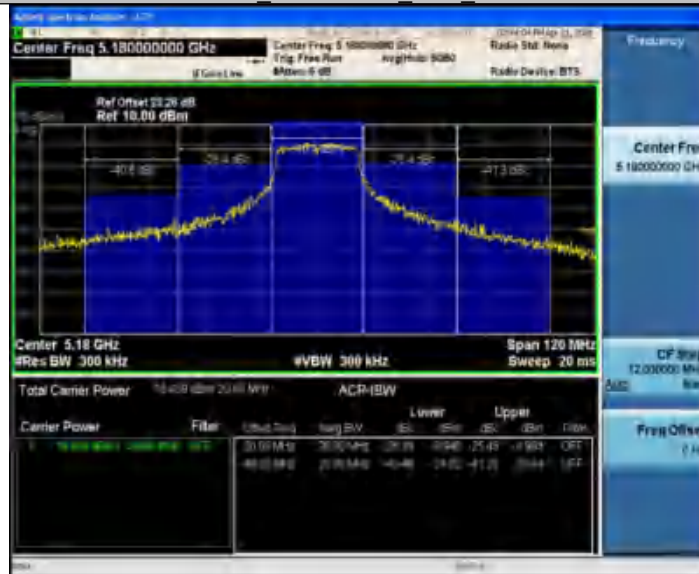
			5240	+20	-26.93	≤-25	PASS
				+40	-46.97	≤-40	PASS
				-40	-47.02	≤-40	PASS
				-20	-26.96	≤-25	PASS
				+20	-27.28	≤-25	PASS
				+40	-48.36	≤-40	PASS
	11AX40SISO	Ant1	5190	-80	-44.98	≤-40	PASS
				-40	-31.55	≤-25	PASS
				+40	-31.31	≤-25	PASS
				+80	-45.74	≤-40	PASS
			5230	-80	-48.07	≤-40	PASS
				-40	-33.02	≤-25	PASS
				+40	-31.95	≤-25	PASS
				+80	-49.84	≤-40	PASS
	11AX80SISO	Ant1	5210	-80	-34.57	≤-25	PASS
				+80	-32.66	≤-25	PASS

Test Graphs





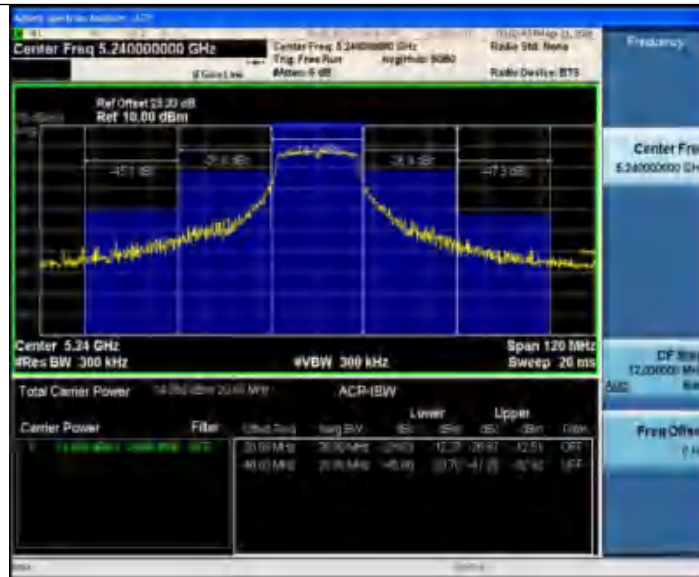
NTNV_11N20SISO_Ant1_5180



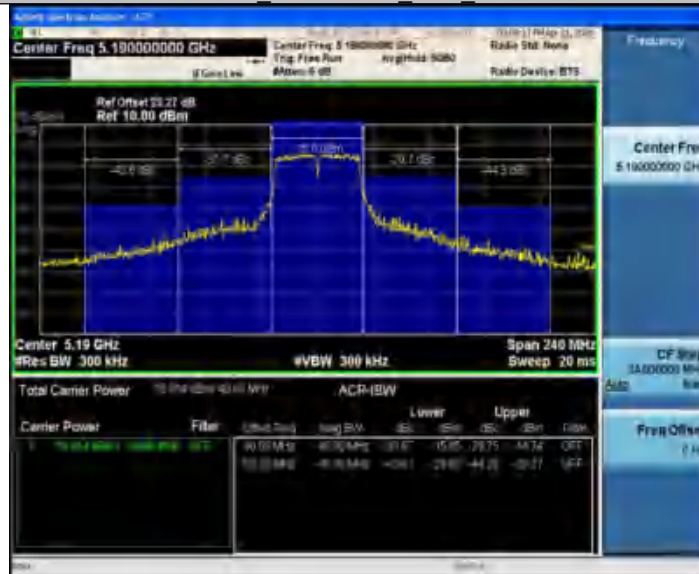
NTNV_11N20SISO_Ant1_5200



NTNV_11N20SISO_Ant1_5240



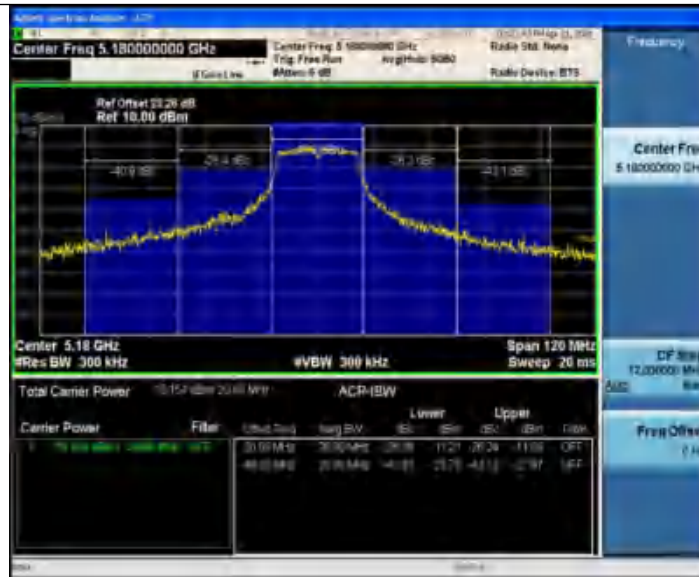
NTNV_11N40SISO_Ant1_5190



NTNV_11N40SISO_Ant1_5230



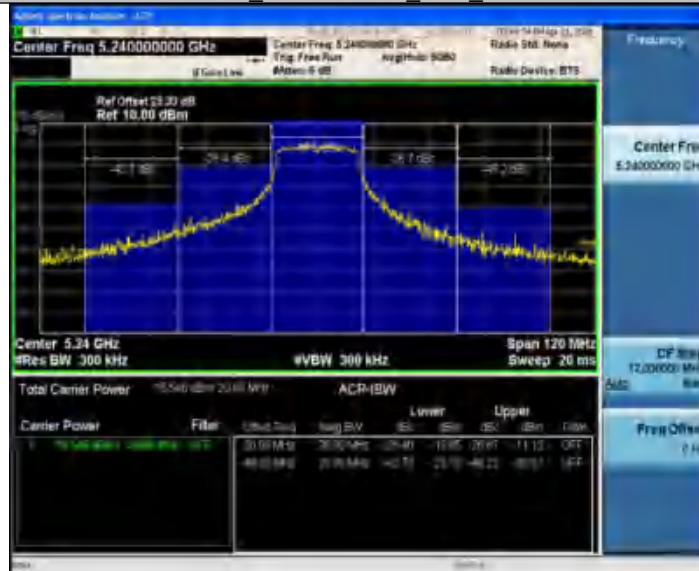
NTNV_11AC20SISO_Ant1_5180



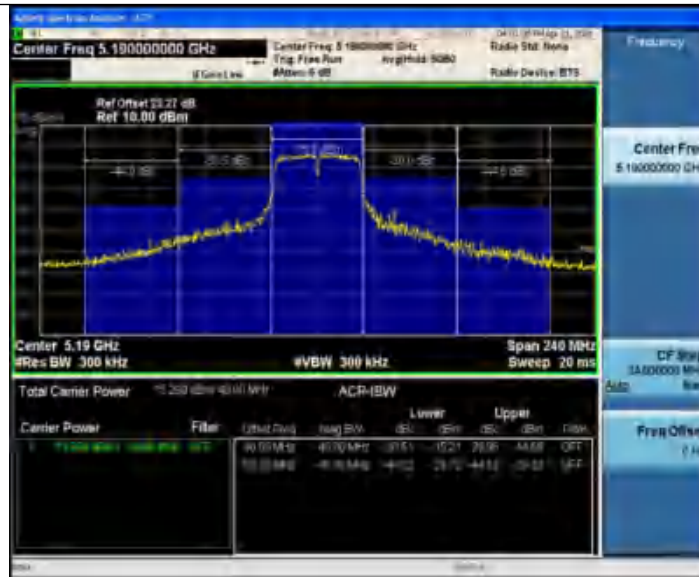
NTNV_11AC20SISO_Ant1_5200



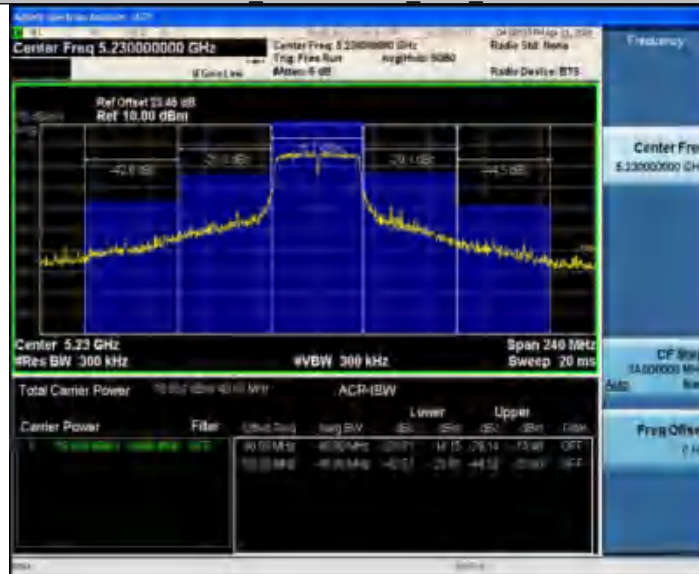
NTNV_11AC20SISO_Ant1_5240



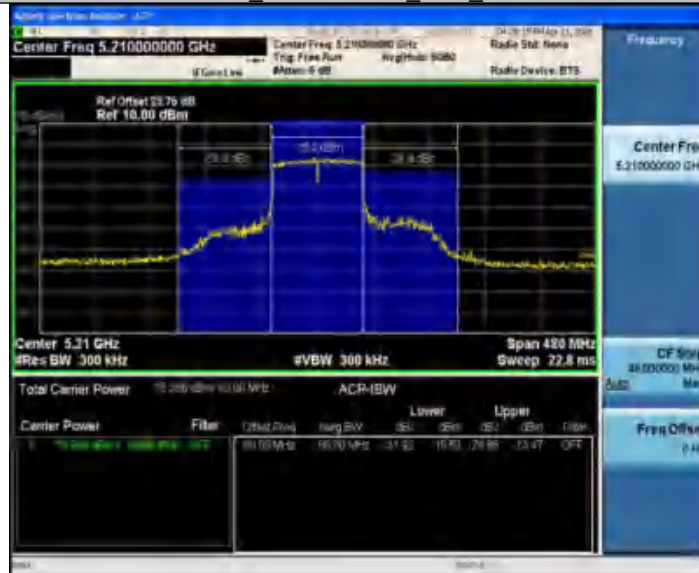
NTNV_11AC40SISO_Ant1_5190



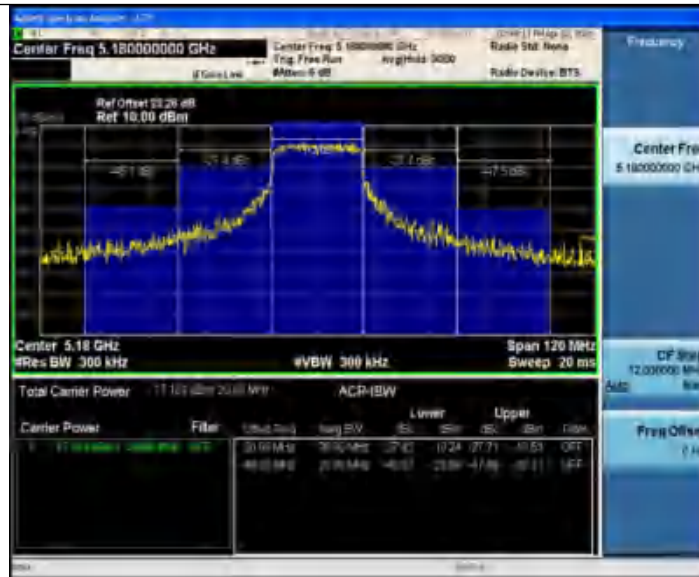
NTNV_11AC40SISO_Ant1_5230



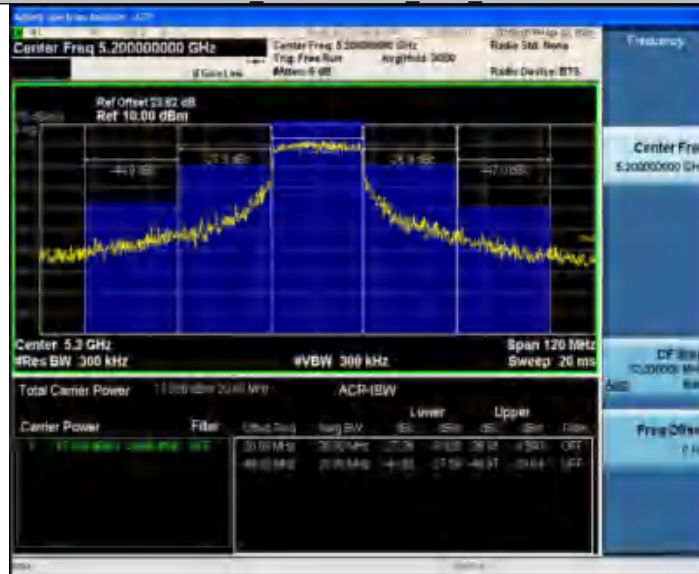
NTNV_11AC80SISO_Ant1_5210



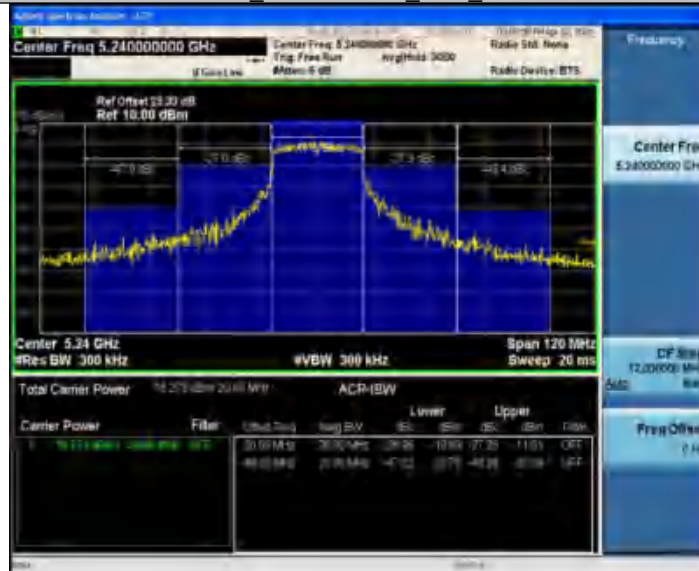
NTNV_11AX20SISO_Ant1_5180



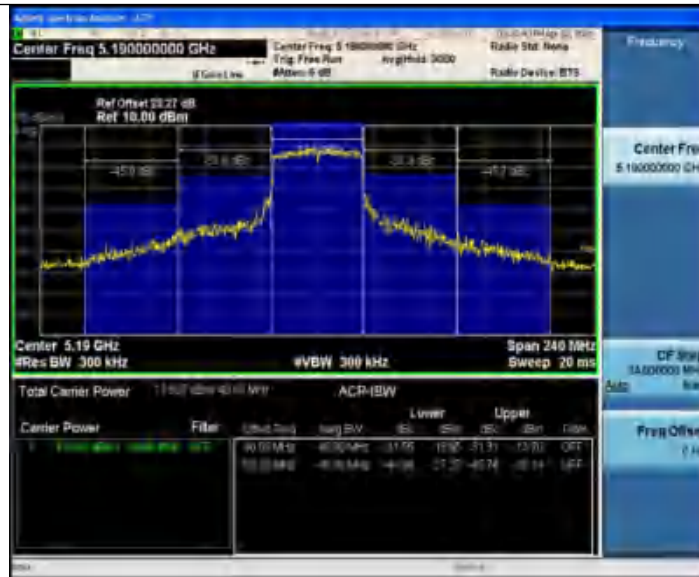
NTNV_11AX20SISO_Ant1_5200



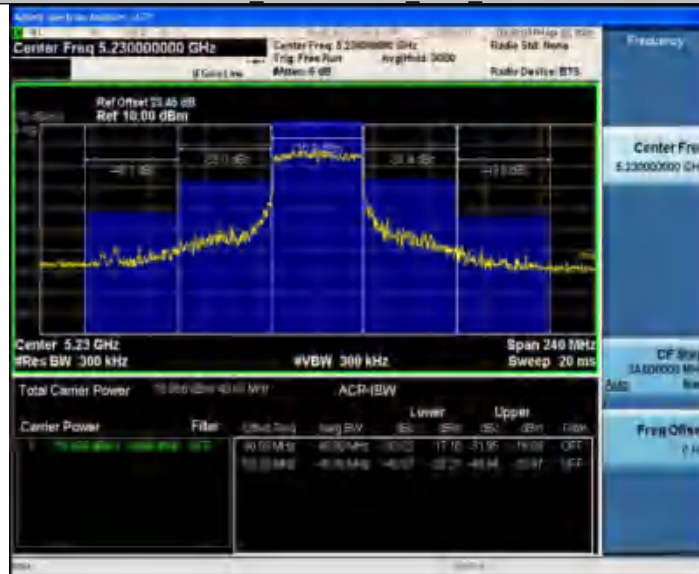
NTNV_11AX20SISO_Ant1_5240



NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230



NTNV_11AX80SISO_Ant1_5210



9. Transmitter Burst Length

Limit

Standard	Limit
Article 2-1 Item 78	≤8ms

9.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
 SPAN : 0MHz
 RBW : 1.0MHz
 VBW : 1.0MHz
 Sweep Time : Sending time of 1burst (sec)
 Detector Mode : RMS
 Display Mode : Max Hold
 Sweep Mode : Single

9.3 Test Data

Temperature	22.7℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.04.21
Test by	Elio Lin	Test result	PASS

Please refer to following data table and plots.

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [ms]	Limit [ms]	Verdict
NTNV	11A	Ant1	5180	1.35	≤8	PASS
	11A	Ant1	5200	1.33	≤8	PASS
	11A	Ant1	5240	1.35	≤8	PASS
	11N20SISO	Ant1	5180	5.04	≤8	PASS
	11N20SISO	Ant1	5200	5.04	≤8	PASS
	11N20SISO	Ant1	5240	5.01	≤8	PASS
	11N40SISO	Ant1	5190	4.86	≤8	PASS
	11N40SISO	Ant1	5230	4.83	≤8	PASS
	11AC20SISO	Ant1	5180	5.04	≤8	PASS
	11AC20SISO	Ant1	5200	5.04	≤8	PASS
	11AC20SISO	Ant1	5240	5.04	≤8	PASS
	11AC40SISO	Ant1	5190	4.86	≤8	PASS
	11AC40SISO	Ant1	5230	4.86	≤8	PASS
	11AC80SISO	Ant1	5210	4.47	≤8	PASS
	11AX20SISO	Ant1	5180	3.81	≤8	PASS
	11AX20SISO	Ant1	5200	3.84	≤8	PASS
	11AX20SISO	Ant1	5240	3.81	≤8	PASS
	11AX40SISO	Ant1	5190	3.80	≤8	PASS
	11AX40SISO	Ant1	5230	3.81	≤8	PASS
	11AX80SISO	Ant1	5210	3.63	≤8	PASS

Test Graphs

NTNV_11A_Ant1_5180



NTNV_11A_Ant1_5200



NTNV_11A_Ant1_5240



NTNV_11N20SISO_Ant1_5180



NTNV_11N20SISO_Ant1_5200



NTNV_11N20SISO_Ant1_5240



NTNV_11N40SISO_Ant1_5190



NTNV_11N40SISO_Ant1_5230



NTNV_11AC20SISO_Ant1_5180



NTVN_11AC20SISO_Ant1_5200



NTVN_11AC20SISO_Ant1_5240



NTVN_11AC40SISO_Ant1_5190



NTVN_11AC40SISO_Ant1_5230



NTVN_11AC80SISO_Ant1_5210



NTVN_11AX20SISO_Ant1_5180



NTNV_11AX20SISO_Ant1_5200



NTNV_11AX20SISO_Ant1_5240



NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230



NTNV_11AX80SISO_Ant1_5210



10. Interference prevention function

10.1 Standard Applicable

According to Item 78 of Article 2 Paragraph 1. Chiefly, the one automatically to transmit and to receive identification code with the wireless equipment used in the same premises.

10.2 Test Procedure

1. Set the EUT in the usual operation condition
2. The radio equipment with automatic transmitting function of identification code
 - A. Transmit the assigned identification code from the radio equipment.
 - B. Confirm the identification code received by the demodulator.
3. The radio equipment with automatic receiving function of identification code
 - A. Transmit the assigned identification code from the opposite equipment.
 - B. Confirm that the usual communication is available.
 - C. Transmit the identification code distinct from the assigned one from the opposite equipment.
 - D. Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.
4. The identification function shall be recorded with “Good” or “No”.

10.3 Summary of Test Results/Plots

Test Item	Test Result
Transmitting Function of Identification Code	Good
Receiving Function of Identification Code	Good

Note: The MAC address is B8:B1:EA:C7:8E:F8

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

(END OF REPORT)

Appendix A: Spurious Emission of TX

Test Result

		Freq.Range [MHz]	Result [dBm]	Gain [dBI]	Result [dBm/MHz]	Limit [dBm/MHz]	Limit [mW/MHz]	Verdict
11A	5180	30~5142	-48.797	1.36	-47.437	-33	0.0005	PASS
		5142~5150	-42.602	1.36	-41.242	-25.2	0.003	PASS
		5250~5250.2	-45.545	1.36	-44.185	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-29.859	1.36	-28.499	-9~-17	0.126~0.02	PASS
		5251~5260	-29.897	1.36	-28.537	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-45.663	1.36	-44.303	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-45.072	1.36	-43.712	-33	0.0005	PASS
		5365~26000	-40.175	1.36	-38.815	-33	0.0005	PASS
	5200	30~5142	-48.820	1.36	-47.46	-33	0.0005	PASS
		5142~5150	-48.884	1.36	-47.524	-25.2	0.003	PASS
		5250~5250.2	-36.010	1.36	-34.65	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.165	1.36	-34.805	-9~-17	0.126~0.02	PASS
		5251~5260	-46.916	1.36	-45.556	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.455	1.36	-45.095	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-50.352	1.36	-48.992	-33	0.0005	PASS
		5365~26000	-40.837	1.36	-39.477	-33	0.0005	PASS
	5240	30~5142	-48.728	1.36	-47.368	-33	0.0005	PASS
		5142~5150	-49.412	1.36	-48.052	-25.2	0.003	PASS
		5250~5250.2	-36.551	1.36	-35.191	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.146	1.36	-34.786	-9~-17	0.126~0.02	PASS
		5251~5260	-46.762	1.36	-45.402	-17~-25.2	0.02~0.003	PASS

11N20 SISO		5260~5266.7	-45.785	1.36	-44.425	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-49.84	1.36	-48.48	-33	0.0005	PASS
		5365~26000	-39.601	1.36	-38.241	-33	0.0005	PASS
	5180	30~5142	-48.797	1.36	-47.437	-33	0.0005	PASS
		5142~5150	-43.449	1.36	-42.089	-25.2	0.003	PASS
		5250~5250.2	-45.385	1.36	-44.025	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-29.859	1.36	-28.499	-9~-17	0.126~0.02	PASS
		5251~5260	-46.686	1.36	-45.326	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.731	1.36	-45.371	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-46.966	1.36	-45.606	-33	0.0005	PASS
		5365~26000	-40.431	1.36	-39.071	-33	0.0005	PASS
	5200	30~5142	-48.797	1.36	-47.437	-33	0.0005	PASS
		5142~5150	-48.819	1.36	-47.459	-25.2	0.003	PASS
		5250~5250.2	-35.429	1.36	-34.069	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-35.777	1.36	-34.417	-9~-17	0.126~0.02	PASS
		5251~5260	-46.809	1.36	-45.449	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.297	1.36	-44.937	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-50.242	1.36	-48.882	-33	0.0005	PASS
		5365~26000	-40.612	1.36	-39.252	-33	0.0005	PASS
	5240	30~5142	-45.116	1.36	-43.756	-33	0.0005	PASS
		5142~5150	-49.717	1.36	-48.357	-25.2	0.003	PASS
		5250~5250.2	-36.476	1.36	-35.116	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.546	1.36	-35.186	-9~-17	0.126~0.02	PASS
		5251~5260	-46.310	1.36	-44.95	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.728	1.36	-45.368	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-50.951	1.36	-49.591	-33	0.0005	PASS

		5365~26000	-39.377	1.36	-38.017	-33	0.0005	PASS
11N40 SISO	5190	30~5141.6	-39.332	1.36	-37.972	-33	0.0005	PASS
		5141.6~5150	-44.876	1.36	-43.516	-25.2	0.003	PASS
		5250~5251	-46.761	1.36	-45.401	-10~-20	0.1~0.0 1	PASS
		5251~5270	-46.669	1.36	-45.309	-20~- 27.96	0.01~0. 0016	PASS
		5270~5278.4	-44.65	1.36	-43.29	-27.96~- 33	0.0016 ~0.000 5	PASS
		5278.4~5400	-45.051	1.36	-43.691	-33	0.0005	PASS
		5400~26000	-40.541	1.36	-39.181	-33	0.0005	PASS
	5230	30~5141.6	-44.55	1.36	-43.19	-33	0.0005	PASS
		5141.6~5150	-45.551	1.36	-44.191	-25.2	0.003	PASS
		5250~5251	-46.797	1.36	-45.437	-10~-20	0.1~0.0 1	PASS
		5251~5270	-46.559	1.36	-45.199	-20~- 27.96	0.01~0. 0016	PASS
		5270~5278.4	-46.083	1.36	-44.723	-27.96~- 33	0.0016 ~0.000 5	PASS
		5278.4~5400	-41.604	1.36	-40.244	-33	0.0005	PASS
		5400~26000	-40.2	1.36	-38.84	-33	0.0005	PASS
11AC2 OSISO	5180	30~5142	-36.691	1.36	-35.331	-33	0.0005	PASS
		5142~5150	-43.449	1.36	-42.089	-25.2	0.003	PASS
		5250~5250.2	-45.385	1.36	-44.025	-3.66~-9	0.43~0. 126	PASS
		5250.2~5251	-29.859	1.36	-28.499	-9~-17	0.126~ 0.02	PASS
		5251~5260	-29.758	1.36	-28.398	-17~-25.2	0.02~0. 003	PASS
		5260~5266.7	-45.564	1.36	-44.204	-25.2~-30	0.003~ 0.001	PASS
		5266.7~5365	-46.966	1.36	-45.606	-33	0.0005	PASS
		5365~26000	-40.431	1.36	-39.071	-33	0.0005	PASS
	5200	30~5142	-48.827	1.36	-47.467	-33	0.0005	PASS
		5142~5150	-49.367	1.36	-48.007	-25.2	0.003	PASS

11AC4 OSISO		5250~5250.2	-36.836	1.36	-35.476	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.43	1.36	-35.07	-9~-17	0.126~0.02	PASS
		5251~5260	-46.431	1.36	-45.071	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-47.153	1.36	-45.793	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-43.193	1.36	-41.833	-33	0.0005	PASS
		5365~26000	-41.041	1.36	-39.681	-33	0.0005	PASS
	5240	30~5142	-47.533	1.36	-46.173	-33	0.0005	PASS
		5142~5150	-50.169	1.36	-48.809	-25.2	0.003	PASS
		5250~5250.2	-37.151	1.36	-35.791	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-37.006	1.36	-35.646	-9~-17	0.126~0.02	PASS
		5251~5260	-46.387	1.36	-45.027	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-47.245	1.36	-45.885	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-47.63	1.36	-46.27	-33	0.0005	PASS
		5365~26000	-40.066	1.36	-38.706	-33	0.0005	PASS
	5190	30~5141.6	-37.761	1.36	-36.401	-33	0.0005	PASS
		5141.6~5150	-44.959	1.36	-43.599	-25.2	0.003	PASS
		5250~5251	-46.414	1.36	-45.054	-10~-20	0.1~0.01	PASS
		5251~5270	-46.487	1.36	-45.127	-20~-27.96	0.01~0.0016	PASS
		5270~5278.4	-46.953	1.36	-45.593	-27.96~-33	0.0016~0.0005	PASS
		5278.4~5400	-45.775	1.36	-44.415	-33	0.0005	PASS
		5400~26000	-39.742	1.36	-38.382	-33	0.0005	PASS
	5230	30~5141.6	-44.151	1.36	-42.791	-33	0.0005	PASS
		5141.6~5150	-44.749	1.36	-43.389	-25.2	0.003	PASS
		5250~5251	-46.715	1.36	-45.355	-10~-20	0.1~0.01	PASS
		5251~5270	-46.182	1.36	-44.822	-20~-	0.01~0.	PASS

						27.96	0016	
		5270~5278.4	-45.594	1.36	-44.234	-27.96~-33	0.0016~-0.0005	PASS
		5278.4~5400	-40.966	1.36	-39.606	-33	0.0005	PASS
		5400~26000	-40.509	1.36	-39.149	-33	0.0005	PASS
11AC8 OSISO	5210	30~5123.2	-48.963	1.36	-47.603	-33	0.0005	PASS
		5123.2~5150	-49.904	1.36	-48.544	-25.2	0.003	PASS
		5250~5251	-46.413	1.36	-45.053	-13.01~-23.01	0.05~0.005	PASS
		5251~5290	-46.292	1.36	-44.932	-23.01~-30.97	0.005~0.0008	PASS
		5290~5296.7	-44.55	1.36	-43.19	-30.97~-33	0.0008~-0.0005	PASS
		5296.7~5480	-46.266	1.36	-44.906	-33	0.0005	PASS
		5480~26000	-39.646	1.36	-38.286	-33	0.0005	PASS
11AX2 OSISO	5180	30~5142	-46.863	1.36	-45.503	-33	0.0005	PASS
		5142~5150	-49.822	1.36	-48.462	-25.2	0.003	PASS
		5250~5250.2	-45.421	1.36	-44.061	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-30.427	1.36	-29.067	-9~-17	0.126~0.02	PASS
		5251~5260	-30.73	1.36	-29.37	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.11	1.36	-44.75	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-44.177	1.36	-42.817	-33	0.0005	PASS
		5365~26000	-40.201	1.36	-38.841	-33	0.0005	PASS
	5200	30~5142	-46.863	1.36	-45.503	-33	0.0005	PASS
		5142~5150	-49.554	1.36	-48.194	-25.2	0.003	PASS
		5250~5250.2	-36.467	1.36	-35.107	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.134	1.36	-34.774	-9~-17	0.126~0.02	PASS
		5251~5260	-46.686	1.36	-45.326	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.731	1.36	-45.371	-25.2~-30	0.003~	PASS

11AX4 OSISO							0.001	
		5266.7~5365	-45.529	1.36	-44.169	-33	0.0005	PASS
		5365~26000	-40.311	1.36	-38.951	-33	0.0005	PASS
	5240	30~5142	-49.804	1.36	-48.444	-33	0.0005	PASS
		5142~5150	-49.326	1.36	-47.966	-25.2	0.003	PASS
		5250~5250.2	-36.655	1.36	-35.295	-3.66~-9	0.43~0.126	PASS
		5250.2~5251	-36.658	1.36	-35.298	-9~-17	0.126~0.02	PASS
		5251~5260	-46.732	1.36	-45.372	-17~-25.2	0.02~0.003	PASS
		5260~5266.7	-46.398	1.36	-45.038	-25.2~-30	0.003~0.001	PASS
		5266.7~5365	-46.833	1.36	-45.473	-33	0.0005	PASS
		5365~26000	-40.791	1.36	-39.431	-33	0.0005	PASS
	5190	30~5141.6	-45.068	1.36	-43.708	-33	0.0005	PASS
		5141.6~5150	-46.135	1.36	-44.775	-25.2	0.003	PASS
		5250~5251	-47.071	1.36	-45.711	-10~-20	0.1~0.01	PASS
		5251~5270	-46.226	1.36	-44.866	-20~-27.96	0.01~0.0016	PASS
		5270~5278.4	-45.608	1.36	-44.248	-27.96~-33	0.0016~0.0005	PASS
		5278.4~5400	-38.443	1.36	-37.083	-33	0.0005	PASS
		5400~26000	-40.402	1.36	-39.042	-33	0.0005	PASS
	5230	30~5141.6	-44.436	1.36	-43.076	-33	0.0005	PASS
		5141.6~5150	-45.778	1.36	-44.418	-25.2	0.003	PASS
		5250~5251	-46.243	1.36	-44.883	-10~-20	0.1~0.01	PASS
		5251~5270	-46.489	1.36	-45.129	-20~-27.96	0.01~0.0016	PASS
		5270~5278.4	-47.091	1.36	-45.731	-27.96~-33	0.0016~0.0005	PASS
		5278.4~5400	-45.349	1.36	-43.989	-33	0.0005	PASS
		5400~26000	-40.629	1.36	-39.269	-33	0.0005	PASS

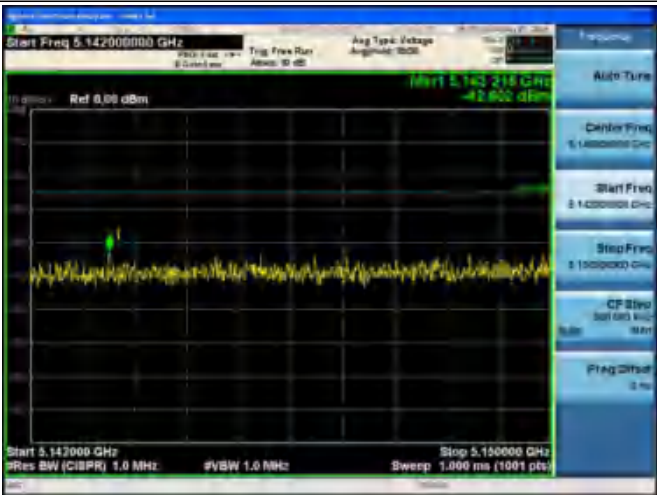
11AX8 OSISO	5210	30~5123.2	-49.187	1.36	-47.827	-33	0.0005	PASS
		5123.2~5150	-48.496	1.36	-47.136	-25.2	0.003	PASS
		5250~5251	-46.533	1.36	-45.173	-13.01~- 23.01	0.05~0. 005	PASS
		5251~5290	-47.238	1.36	-45.878	-23.01~- 30.97	0.005~ 0.0008	PASS
		5290~5296.7	-43.876	1.36	-42.516	-30.97~- 33	0.0008 ~0.000 5	PASS
		5296.7~5480	-48.001	1.36	-46.641	-33	0.0005	PASS
		5480~26000	-40.435	1.36	-39.075	-33	0.0005	PASS

Test Graphs

NTNV_11A_Ant1_5180_30~5142



NTNV_11A_Ant1_5180_5142~5150



NTNV_11A_Ant1_5180_5250~5250.2



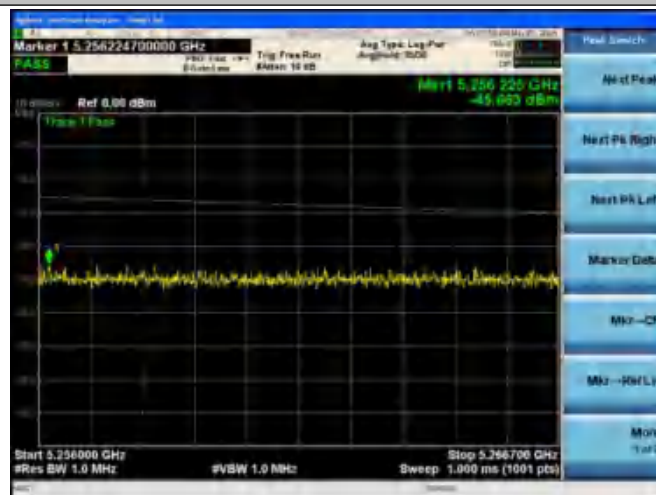
NTNV_11A_Ant1_5180_5250.2~5251



NTNV_11A_Ant1_5180_5251~5260



NTNV_11A_Ant1_5180_5260~5266.7



NTNV_11A_Ant1_5180_5266.7~5365



NTNV_11A_Ant1_5180_5365~26000



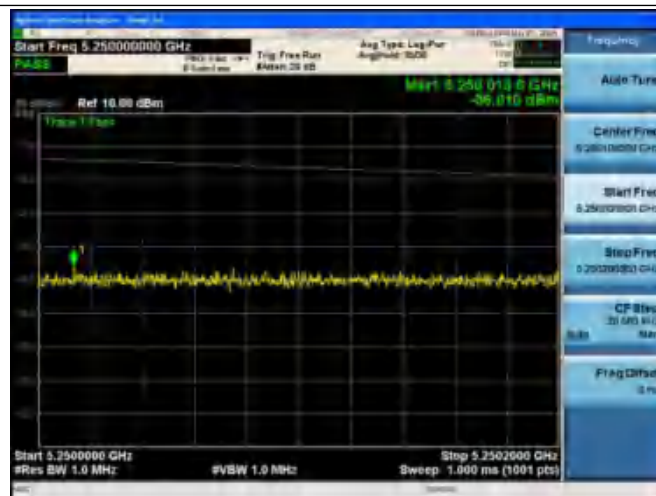
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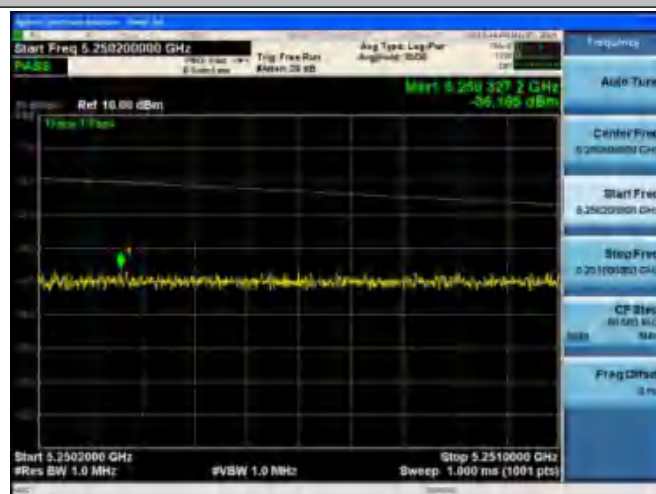
NTNV_11A_Ant1_5200_5142~5150



NTNV_11A_Ant1_5200_5250~5250.2



NTNV_11A_Ant1_5200_5250.2~5251



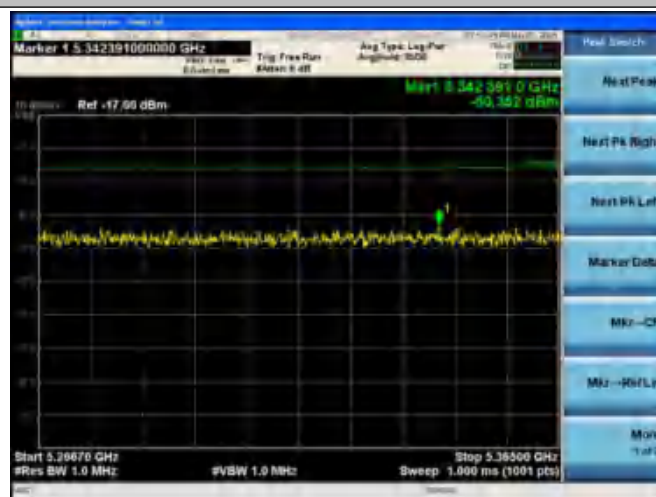
NTNV_11A_Ant1_5200_5251~5260



NTNV_11A_Ant1_5200_5260~5266.7



NTNV_11A_Ant1_5200_5266.7~5365



NTNV_11A_Ant1_5200_5365~26000



NTNV_11A_Ant1_5240_30~5142



NTNV_11A_Ant1_5240_5142~5150



NTNV_11A_Ant1_5240_5250~5250.2



NTNV_11A_Ant1_5240_5250.2~5251



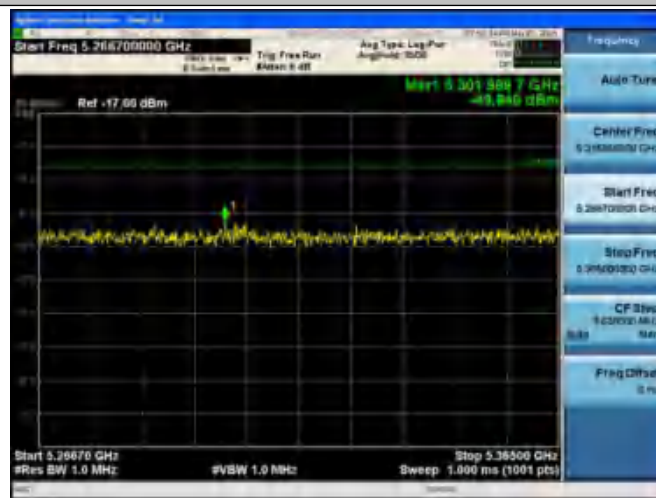
NTNV_11A_Ant1_5240_5251~5260



NTNV_11A_Ant1_5240_5260~5266.7



NTNV_11A_Ant1_5240_5266.7~5365



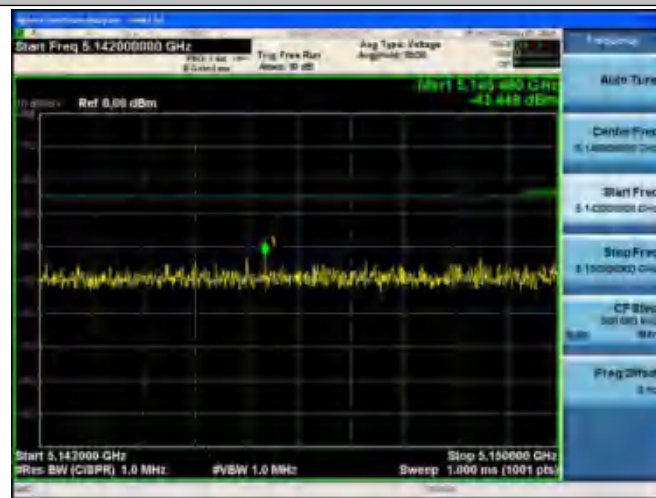
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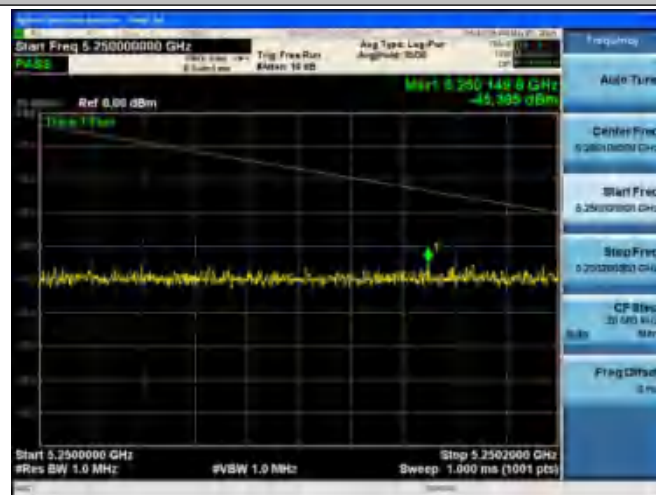
NTNV_11N20SISO_Ant1_5180_30~5142



NTNV_11N20SISO_Ant1_5180_5142~5150



NTNV_11N20SISO_Ant1_5180_5250~5250.2



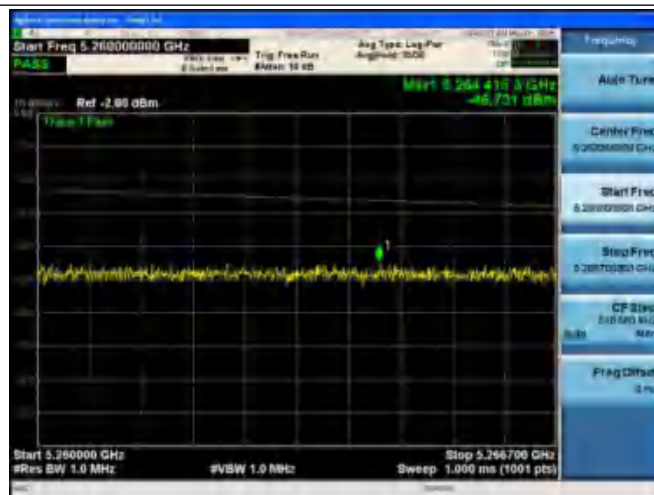
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NTV_11N20SISO_Ant1_5180_5251-5260



NTV_11N20SISO_Ant1_5180_5260-5266.7



NTV_11N20SISO_Ant1_5180_5266.7-5365



NTNV_11N20SISO_Ant1_5180_5365~26000



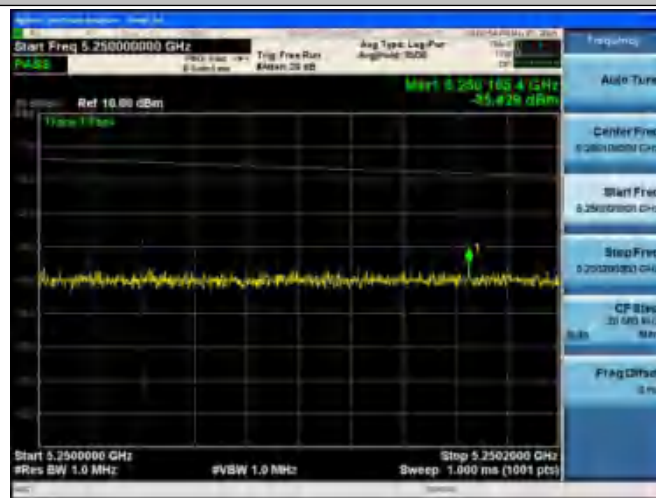
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NTNV_11N20SISO_Ant1_5200_5142~5150



NTNV_11N20SISO_Ant1_5200_5250~5250.2



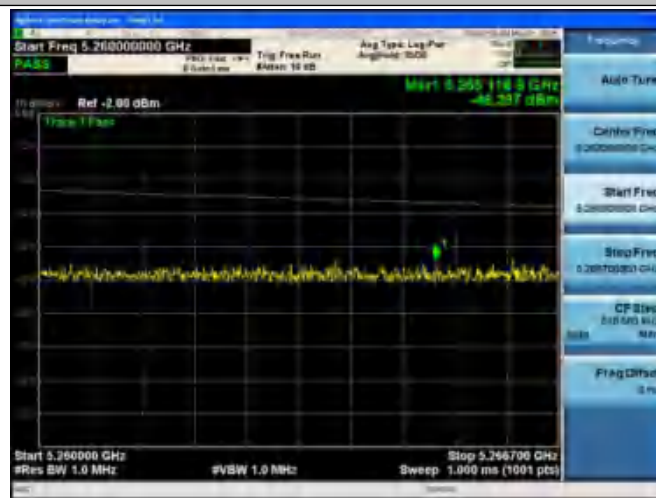
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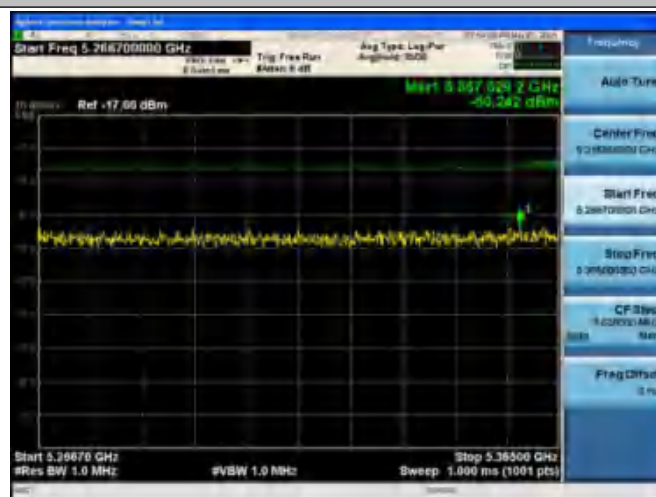
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NTNV_11N20SISO_Ant1_5200_5260~5266.7



NTNV_11N20SISO_Ant1_5200_5266.7~5365



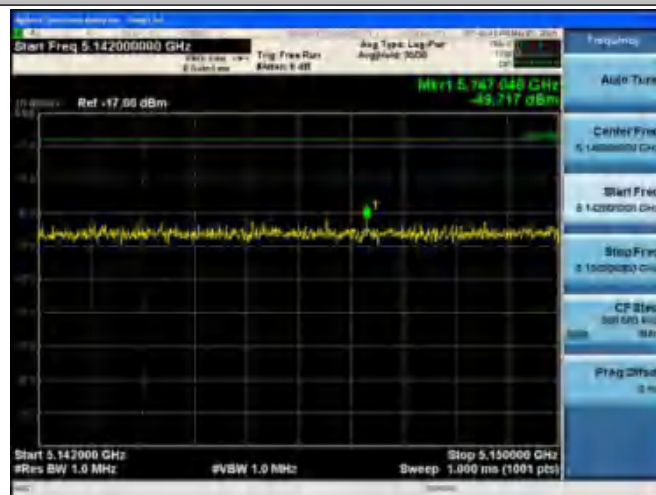
NTNV_11N20SISO_Ant1_5200_5365~26000



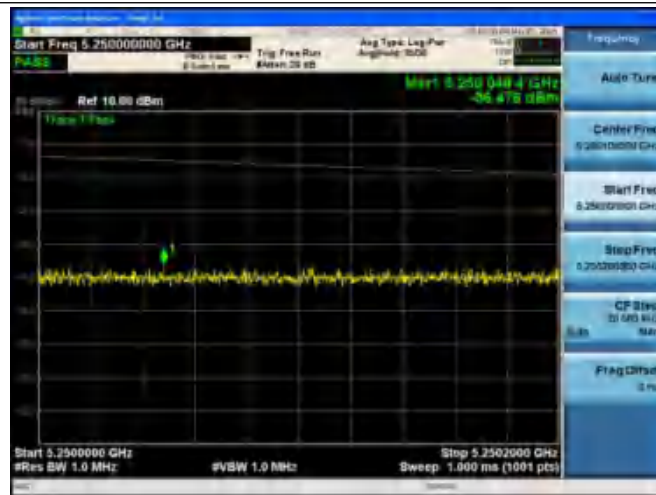
NTNV_11N20SISO_Ant1_5240_30~5142



NTNV_11N20SISO_Ant1_5240_5142~5150



NTNV_11N20SISO_Ant1_5240_5250~5250.2



NTNV_11N20SISO_Ant1_5240_5250.2~5251



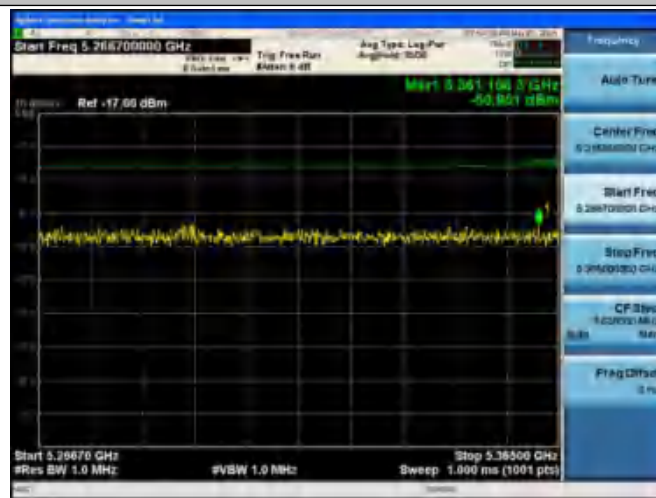
NTNV_11N20SISO_Ant1_5240_5251~5260



NTNV_11N20SISO_Ant1_5240_5260~5266.7



NTV_11N20SISO_Ant1_5240_5266.7~5365



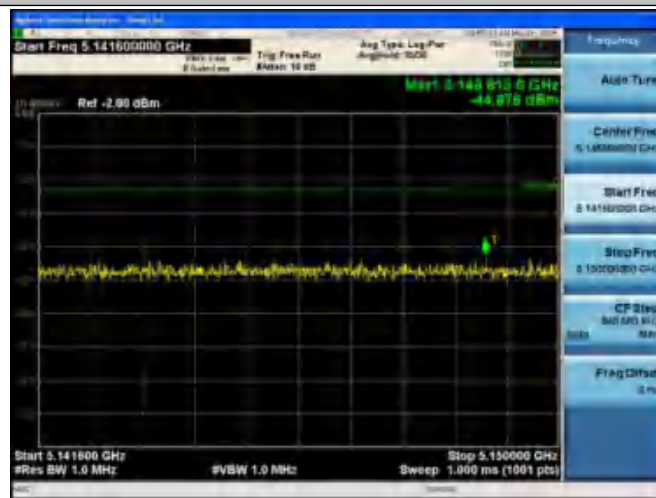
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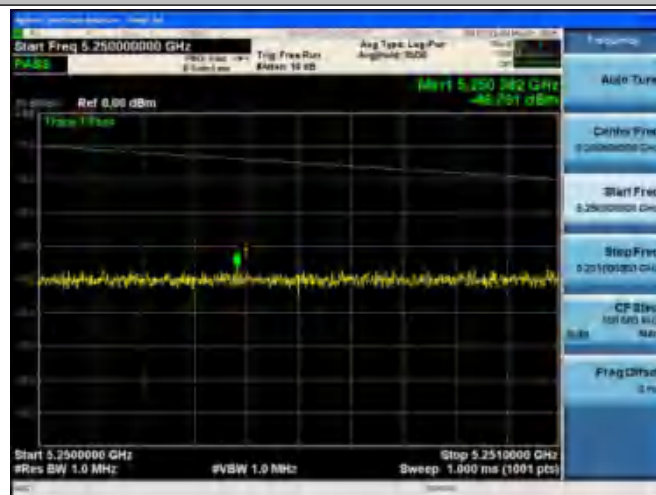
NTV_11N40SISO_Ant1_5190_30~5141.6



NTNV_11N40SISO_Ant1_5190_5141.6~5150



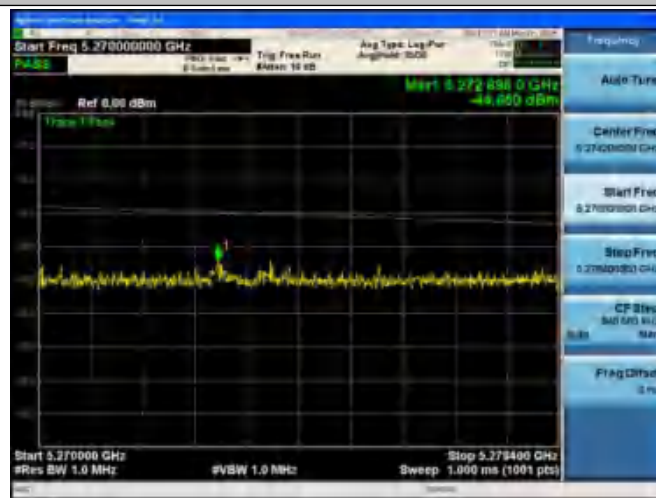
NTNV_11N40SISO_Ant1_5190_5250~5251



NTNV_11N40SISO_Ant1_5190_5251~5270



NTNV_11N40SISO_Ant1_5190_5270~5278.4



NTNV_11N40SISO_Ant1_5190_5278.4~5400



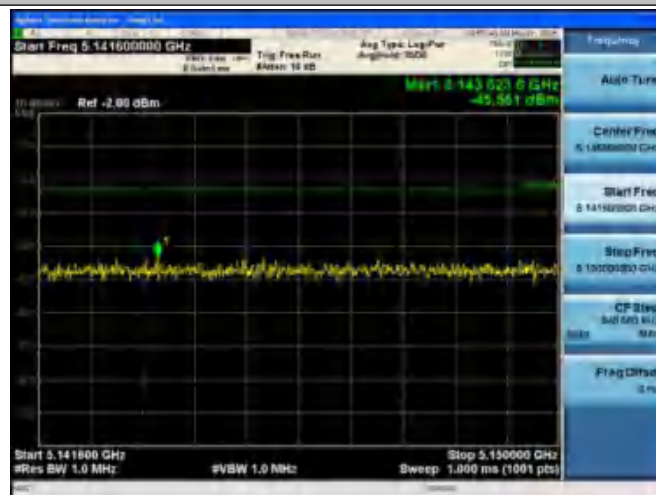
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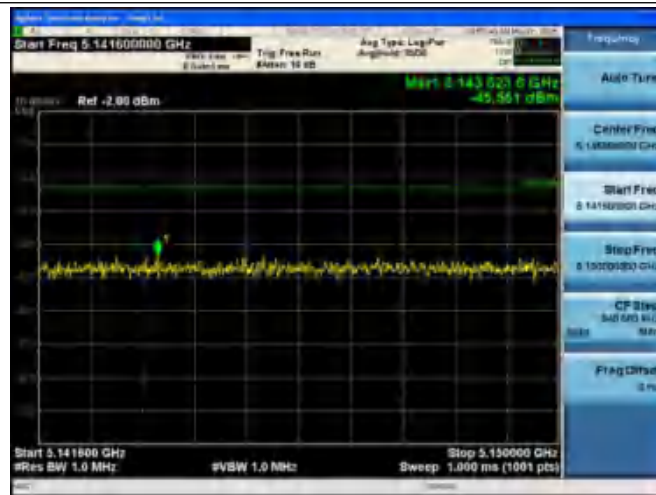
NTNV_11N40SISO_Ant1_5230_30~5141.6



NTNV_11N40SISO_Ant1_5230_5141.6~5150



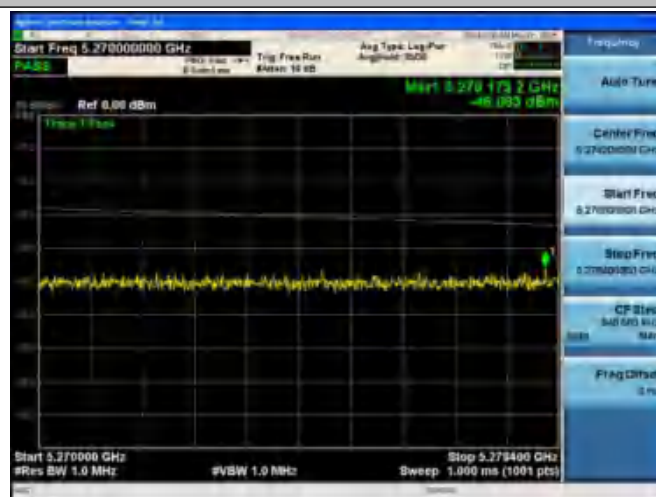
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NTNV_11N40SISO_Ant1_5230_5251~5270



NTNV_11N40SISO_Ant1_5230_5270~5278.4



NTNV_11N40SISO_Ant1_5230_5278.4~5400



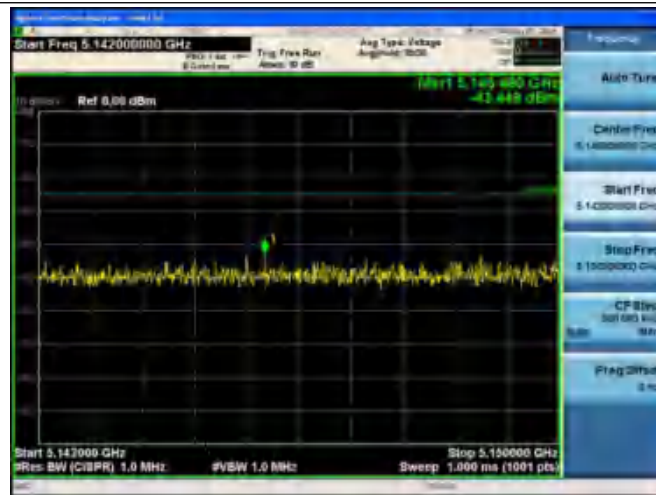
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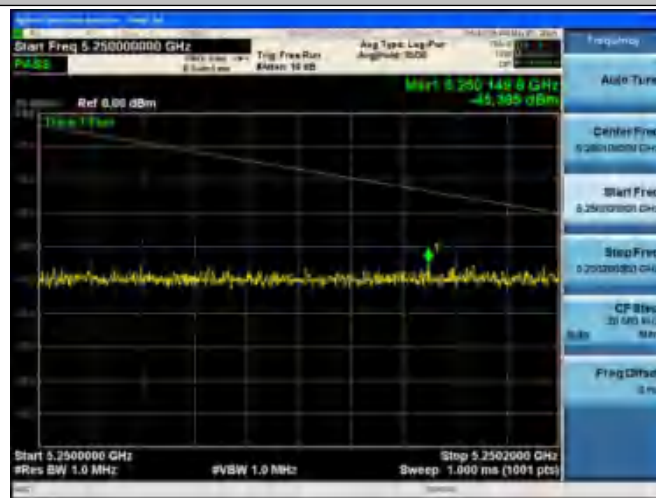
NTNV_11AC20SISO_Ant1_5180_30~5142



NTNV_11AC20SISO_Ant1_5180_5142~5150



NTNV_11AC20SISO_Ant1_5180_5250~5250.2



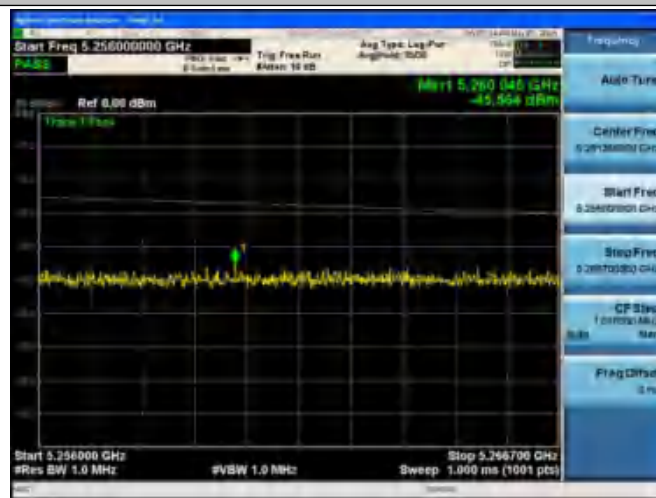
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NTNV_11AC20SISO_Ant1_5180_5251~5260



NTNV_11AC20SISO_Ant1_5180_5260-5266.7



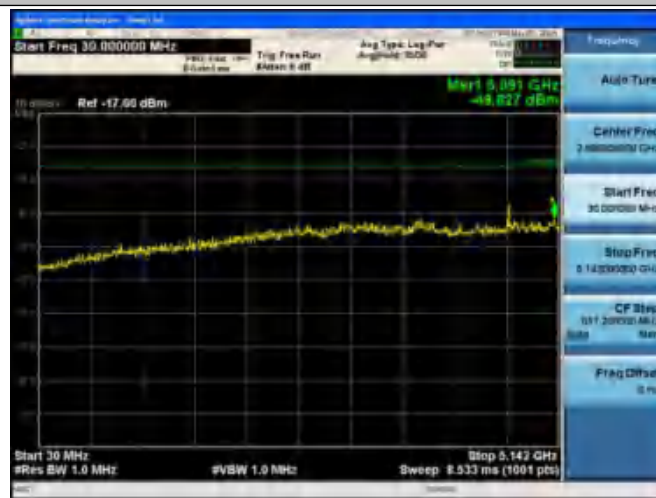
NTNV_11AC20SISO_Ant1_5180_5266.7-5365



NTNV_11AC20SISO_Ant1_5180_5365-26000



NTNV_11AC20SISO_Ant1_5200_30~5142



NTNV_11AC20SISO_Ant1_5200_5142~5150



NTNV_11AC20SISO_Ant1_5200_5250~5250.2



NTNV_11AC20SISO_Ant1_5200_5250.2~5251



NTNV_11AC20SISO_Ant1_5200_5251~5260



NTNV_11AC20SISO_Ant1_5200_5260~5266.7



NTNV_11AC20SISO_Ant1_5200_5266.7~5365



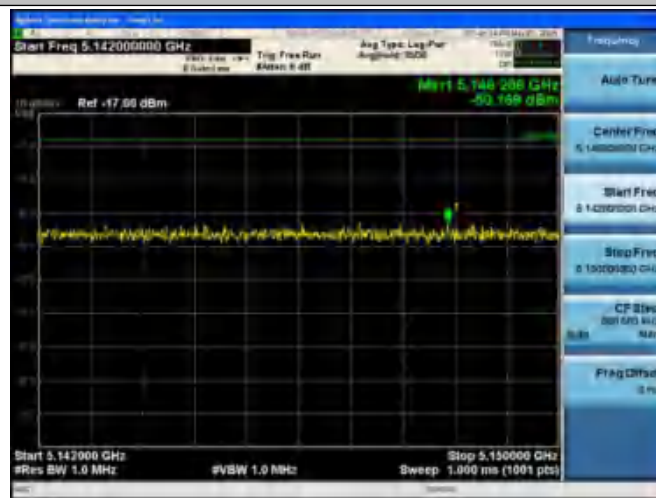
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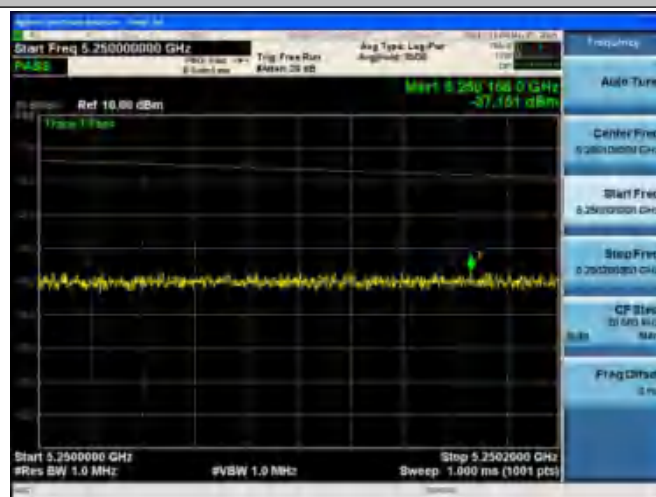
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NTNV_11AC20SISO_Ant1_5240_5142~5150



NTNV_11AC20SISO_Ant1_5240_5250~5250.2



NTNV_11AC20SISO_Ant1_5240_5250.2~5251



NTNV_11AC20SISO_Ant1_5240_5251~5260



NTNV_11AC20SISO_Ant1_5240_5260~5266.7



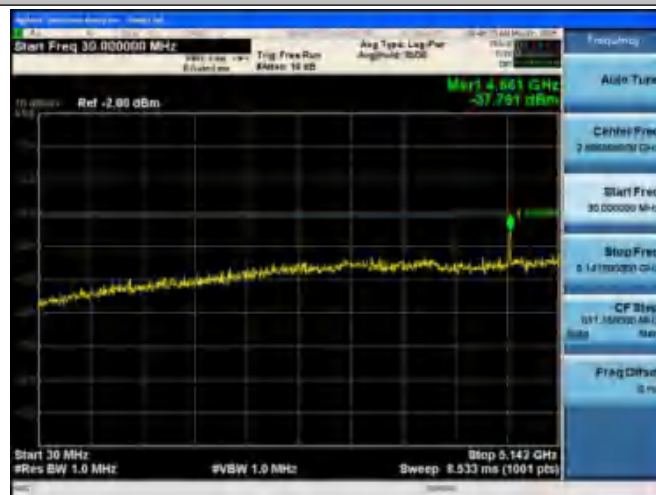
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NTNV_11AC20SISO_Ant1_5240_5365-26000



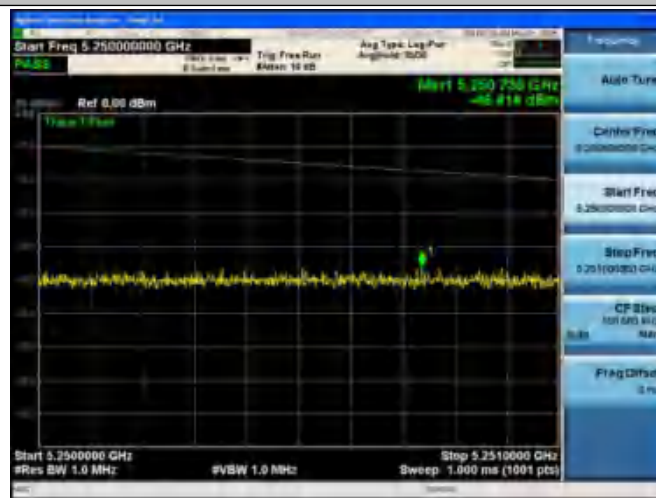
NTNV_11AC40SISO_Ant1_5190_30-5141.6



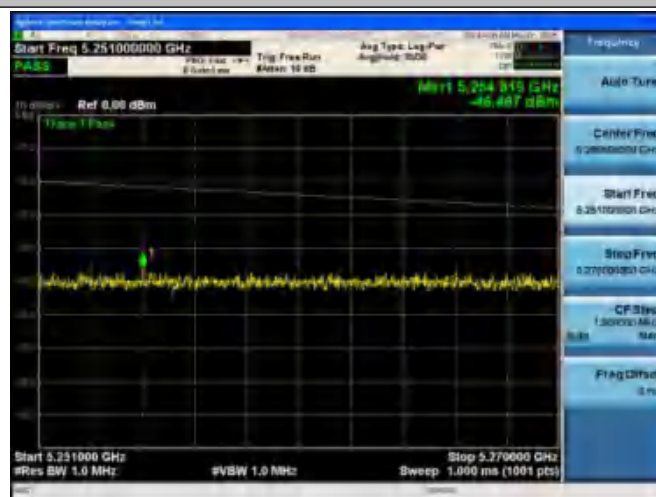
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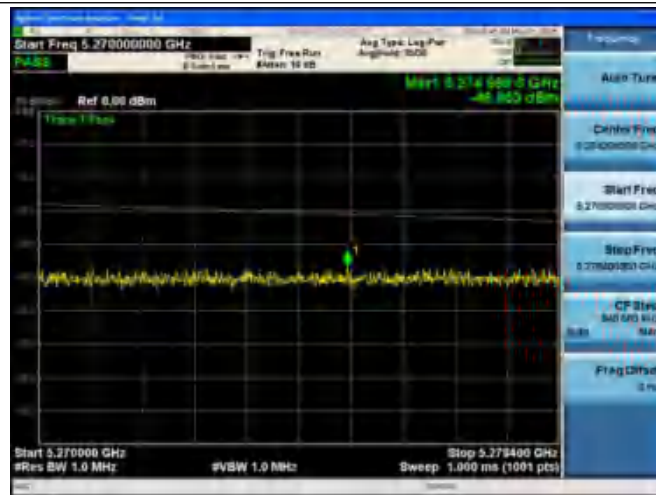
NTNV_11AC40SISO_Ant1_5190_5250~5251



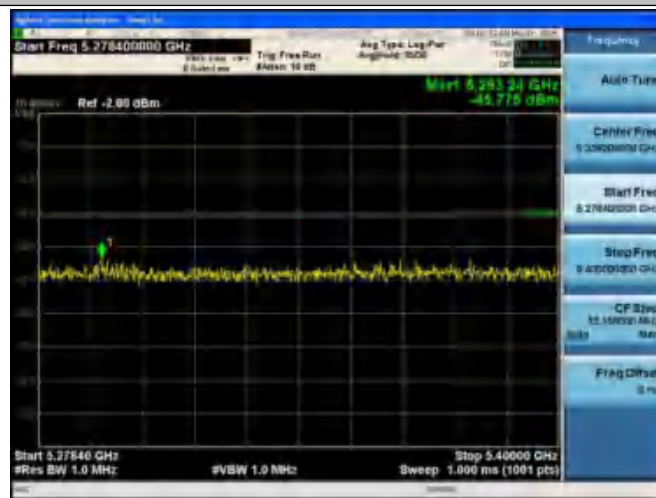
NTNV_11AC40SISO_Ant1_5190_5251~5270



NTNV_11AC40SISO_Ant1_5190_5270~5278.4



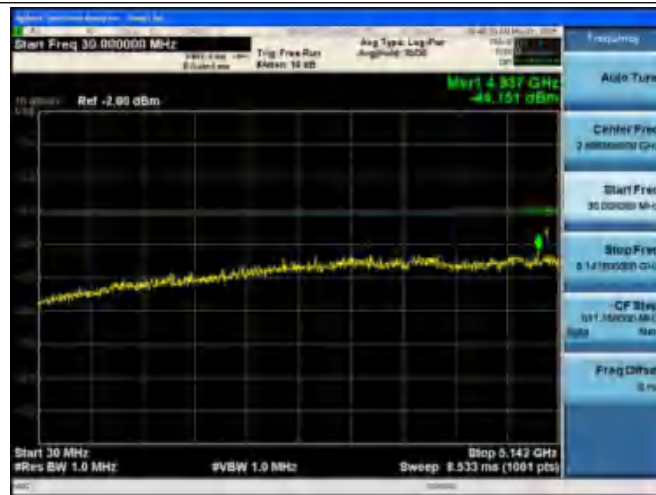
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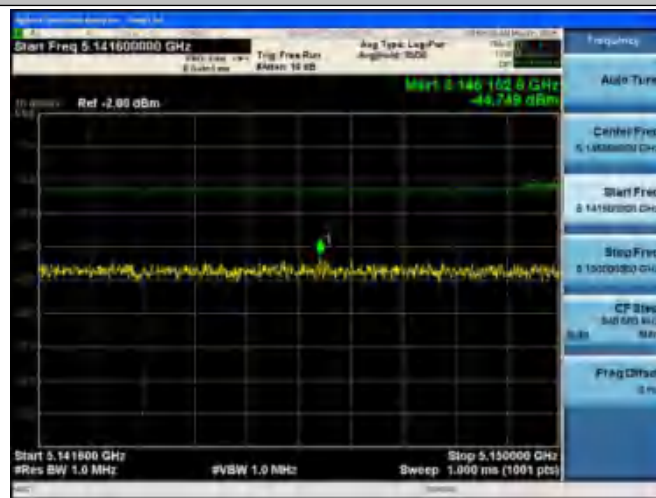
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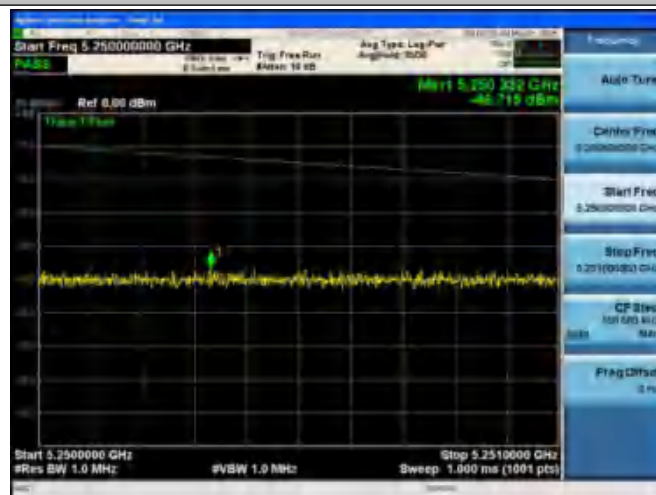
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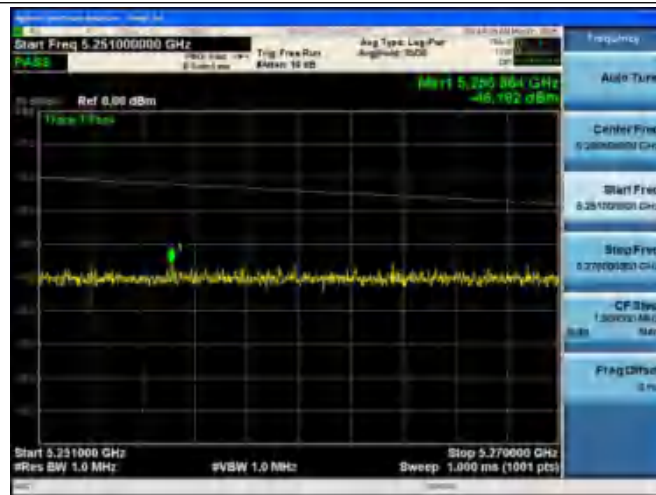
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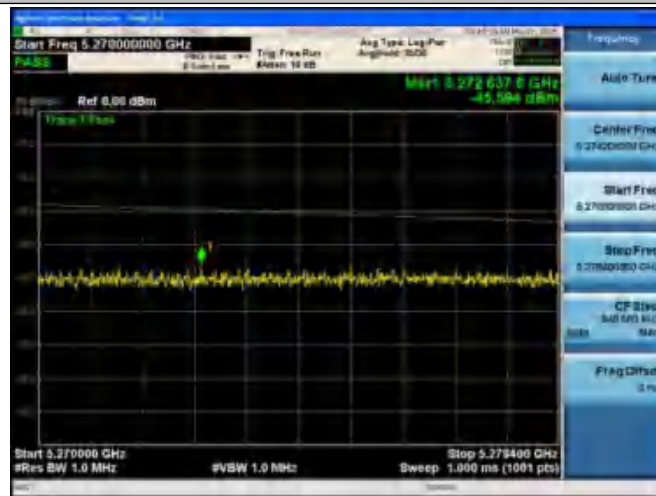
NTNV_11AC40SISO_Ant1_5230_5250~5251



NTNV_11AC40SISO_Ant1_5230_5251~5270



NTNV_11AC40SISO_Ant1_5230_5270~5278.4



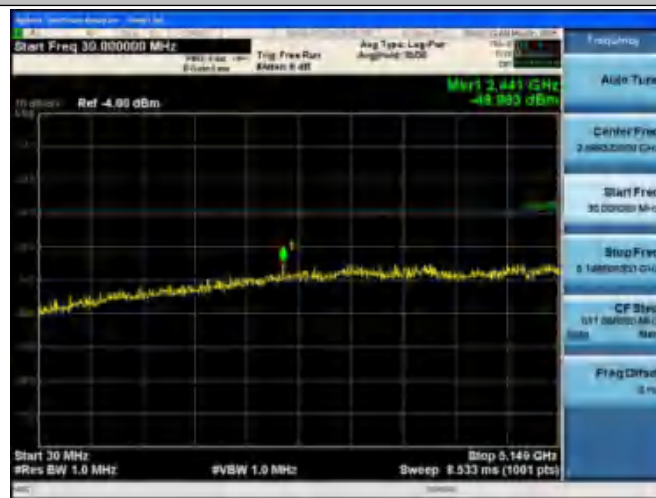
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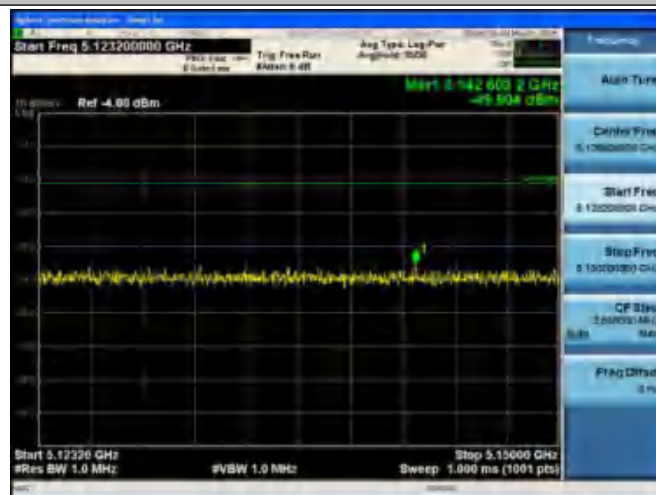
NTNV_11AC40SISO_Ant1_5230_5400~26000



NTNV_11AC80SISO_Ant1_5210_30~5123.2



NTNV_11AC80SISO_Ant1_5210_5123.2~5150



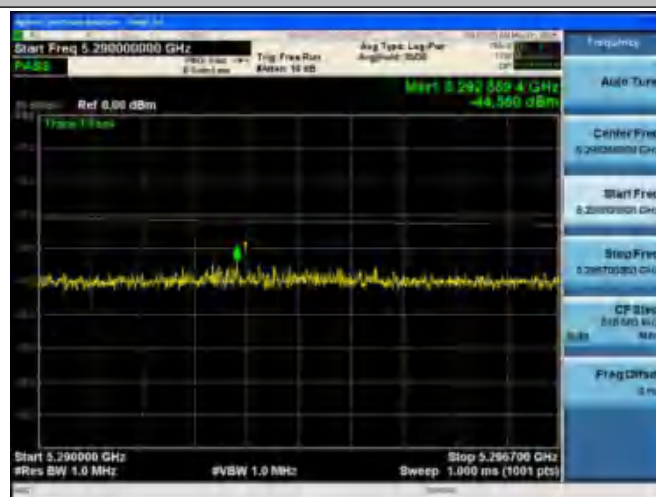
NTNV_11AC80SISO_Ant1_5210_5250~5251



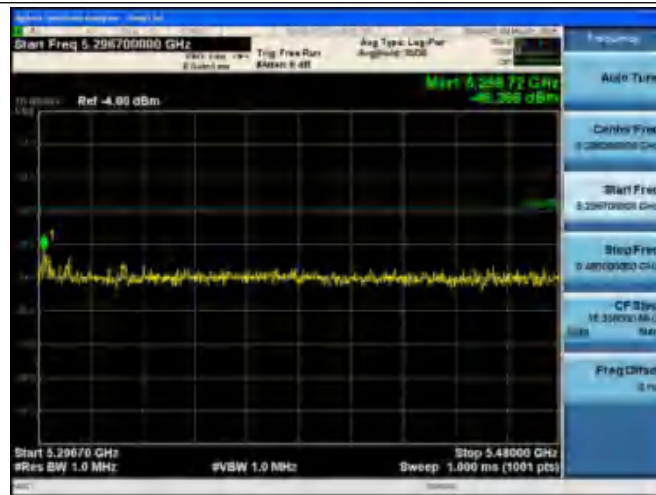
NTNV_11AC80SISO_Ant1_5210_5251~5290



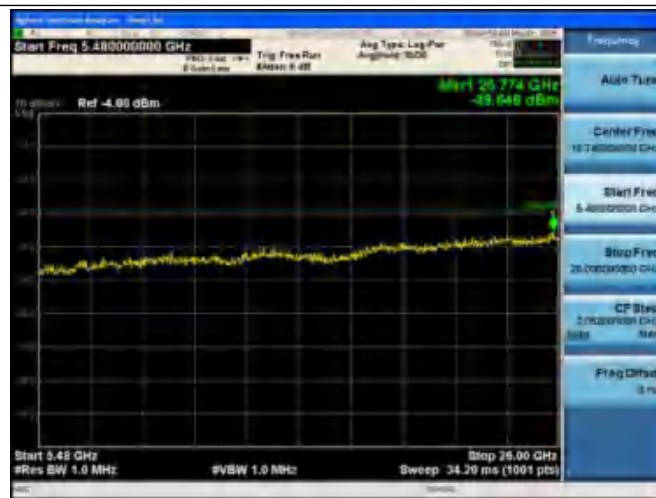
NTNV_11AC80SISO_Ant1_5210_5290~5296.7



NTNV_11AC80SISO_Ant1_5210_5296.7~5480



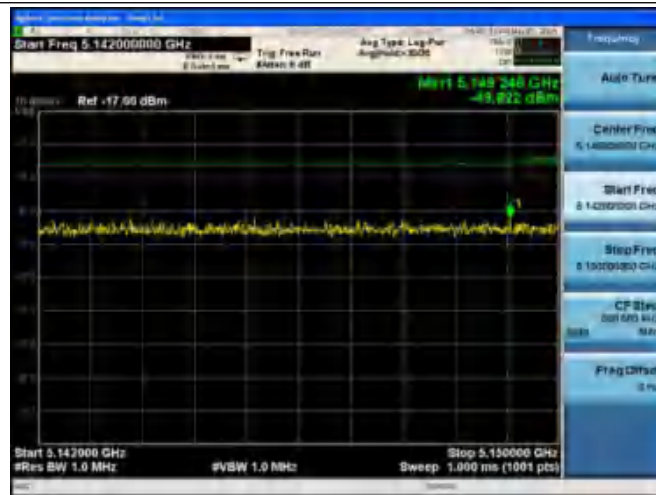
NTNV_11AC80SISO_Ant1_5210_5480~26000



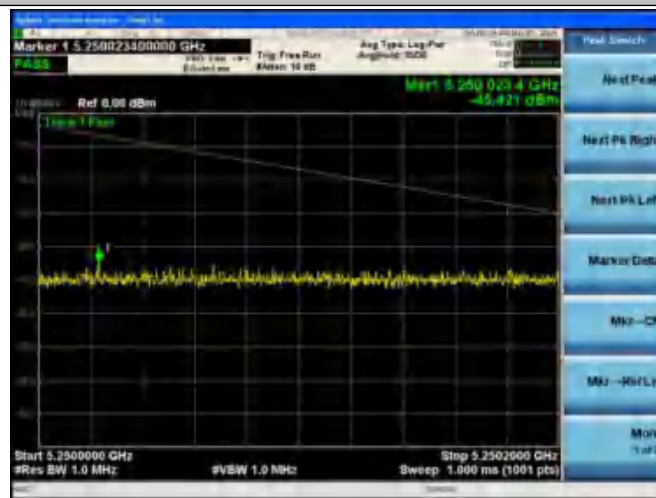
NTNV_11AX20SISO_Ant1_5180_30~5142



NTNV_11AX20SISO_Ant1_5180_5142~5150



NTNV_11AX20SISO_Ant1_5180_5250-5250.2



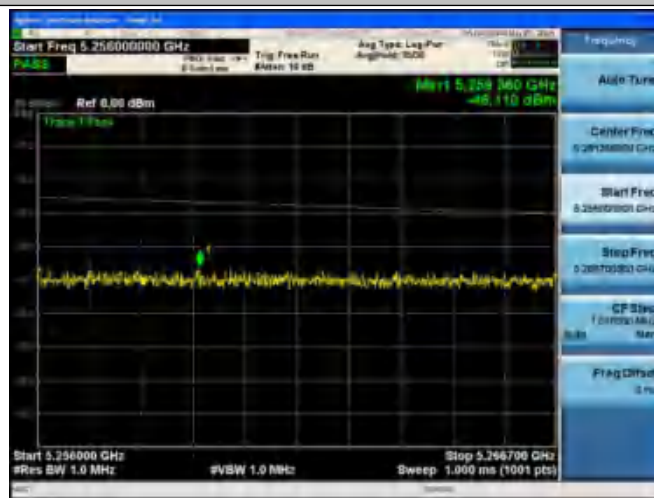
NTNV_11AX20SISO_Ant1_5180_5250.2-5251



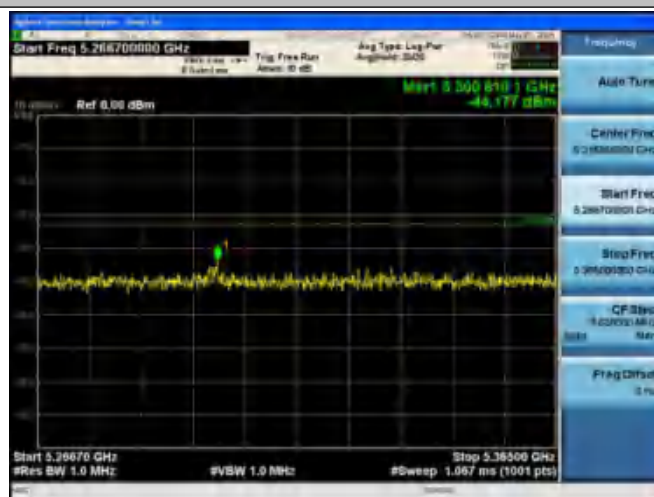
NTNV_11AX20SISO_Ant1_5180_5251-5260



NTNV_11AX20SISO_Ant1_5180_5260~5266.7



NTNV_11AX20SISO_Ant1_5180_5266.7~5365



NTNV_11AX20SISO_Ant1_5180_5365~26000



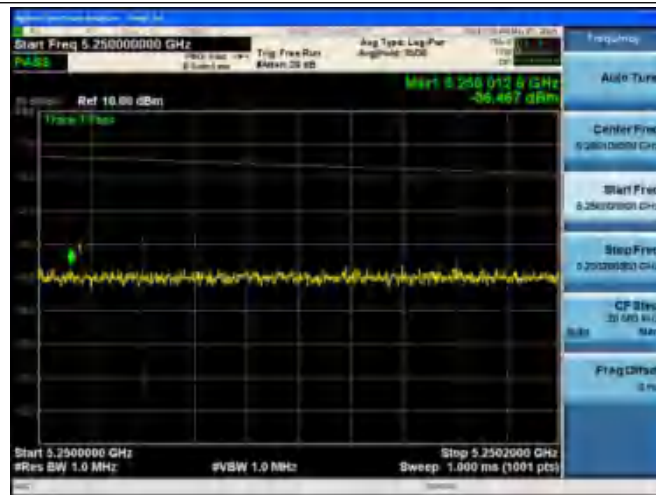
NTNV_11AX20SISO_Ant1_5200_30~5142



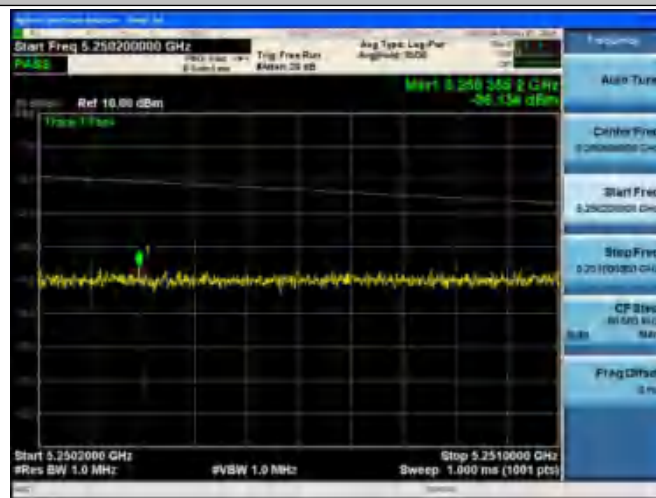
NTNV_11AX20SISO_Ant1_5200_5142~5150



NTNV_11AX20SISO_Ant1_5200_5250~5250.2



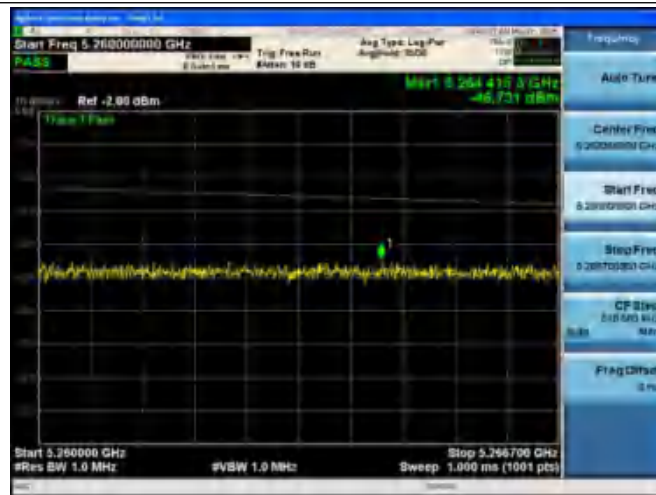
NTNV_11AX20SISO_Ant1_5200_5250.2~5251



NTNV_11AX20SISO_Ant1_5200_5251~5260



NTNV_11AX20SISO_Ant1_5200_5260~5266.7



NTNV_11AX20SISO_Ant1_5200_5266.7~5365



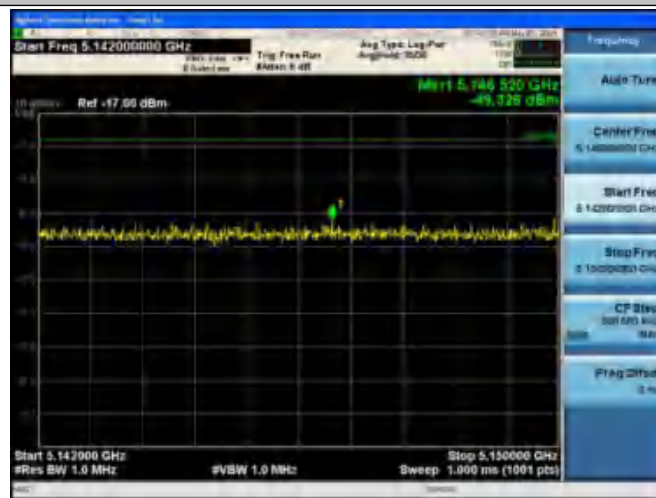
NTNV_11AX20SISO_Ant1_5200_5365~26000



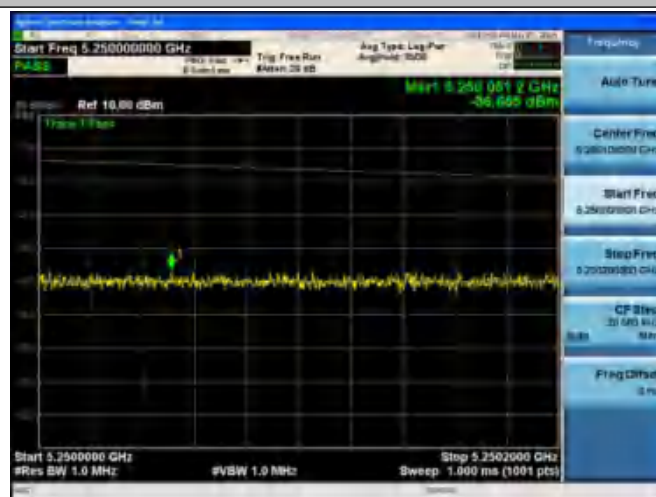
NTNV_11AX20SISO_Ant1_5240_30~5142



NTNV_11AX20SISO_Ant1_5240_5142~5150



NTNV_11AX20SISO_Ant1_5240_5250~5250.2



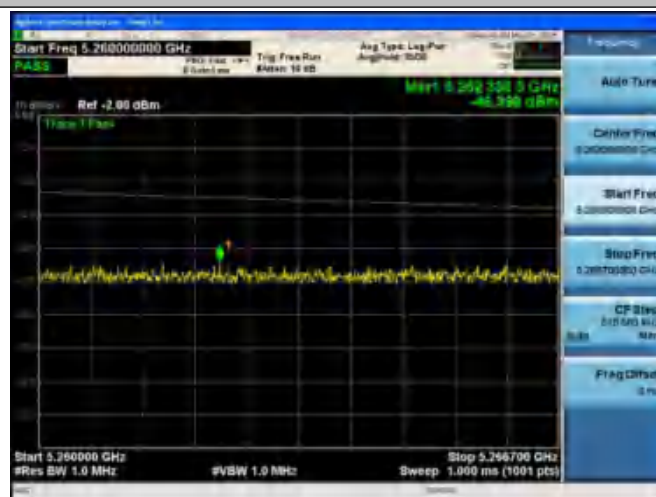
NTNV_11AX20SISO_Ant1_5240_5250.2~5251



NTNV_11AX20SISO_Ant1_5240_5251~5260



NTNV_11AX20SISO_Ant1_5240_5260~5266.7



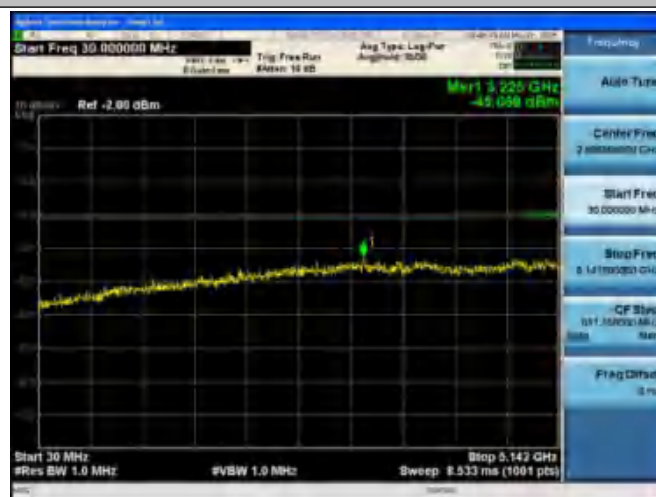
NTNV_11AX20SISO_Ant1_5240_5266.7~5365



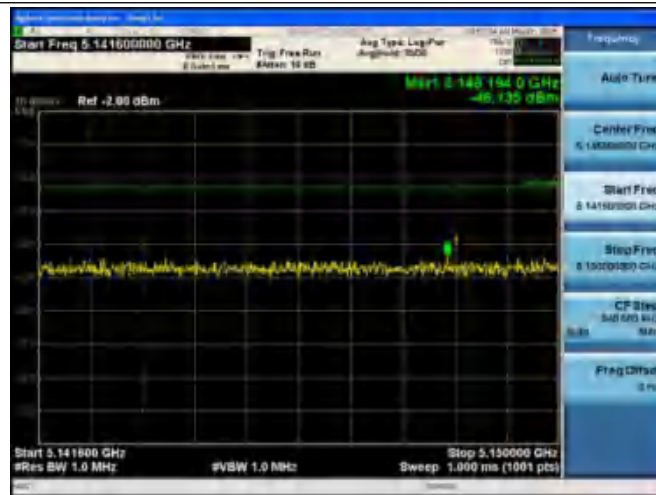
NTNV_11AX20SISO_Ant1_5240_5365-26000



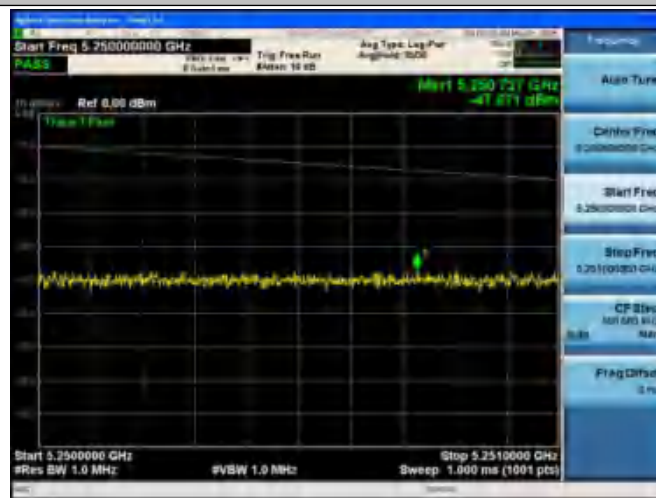
NTNV_11AX40SISO_Ant1_5190_30-5141.6



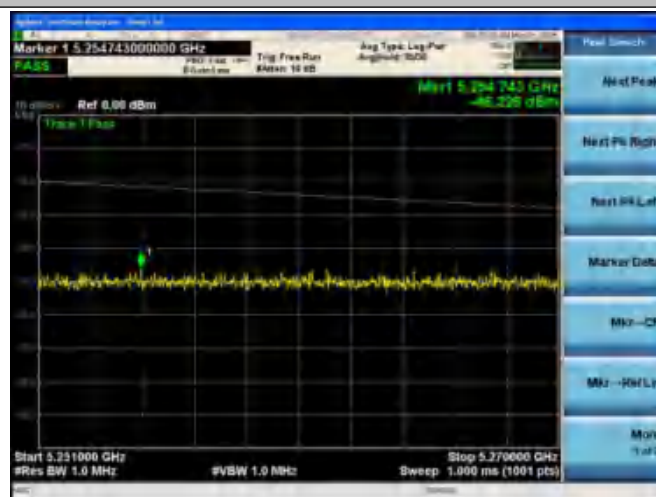
NTNV_11AX40SISO_Ant1_5190_5141.6-5150



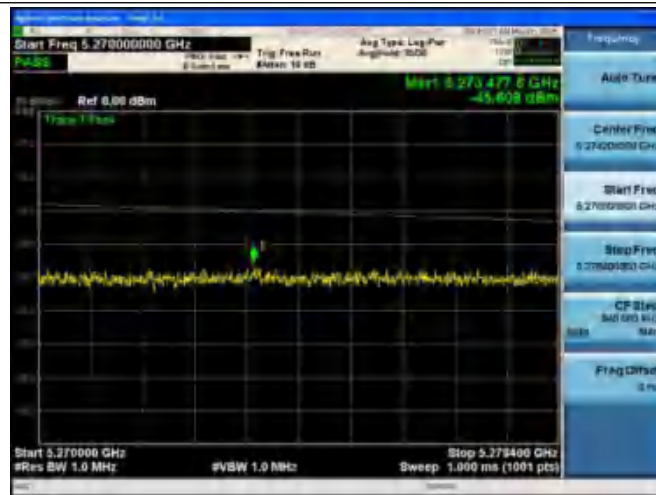
NTNV_11AX40SISO_Ant1_5190_5250~5251



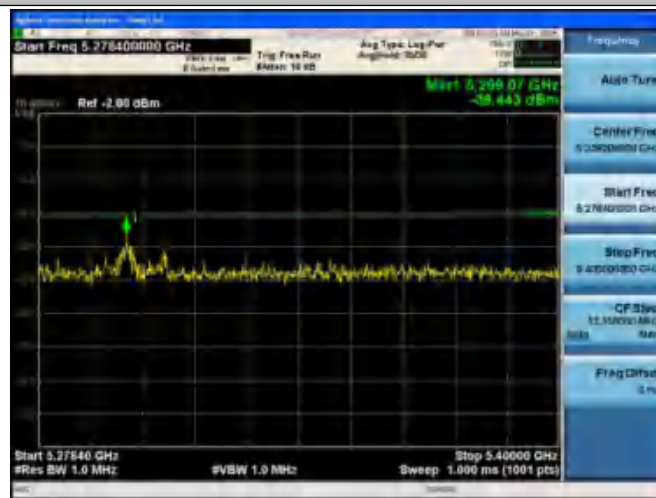
NTNV_11AX40SISO_Ant1_5190_5251~5270



NTNV_11AX40SISO_Ant1_5190_5270~5278.4



NTNV_11AX40SISO_Ant1_5190_5278.4~5400



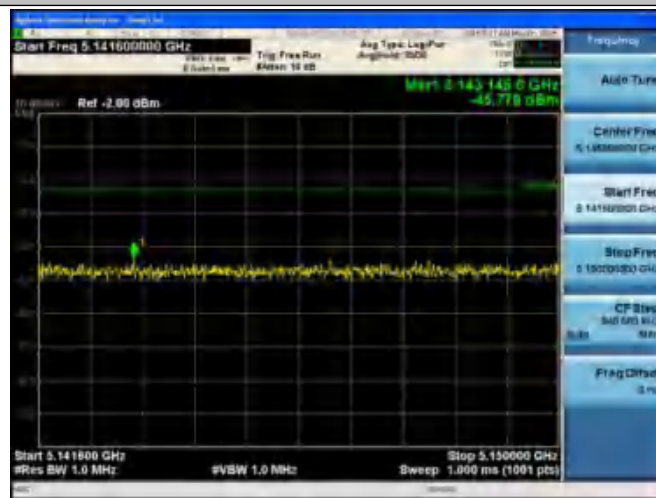
NTNV_11AX40SISO_Ant1_5190_5400~26000



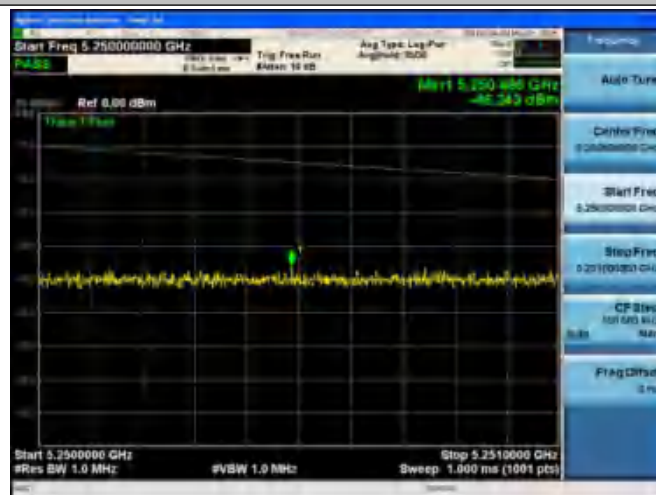
NTNV_11AX40SISO_Ant1_5230_30~5141.6



NTNV_11AX40SISO_Ant1_5230_5141.6~5150



NTNV_11AX40SISO_Ant1_5230_5250~5251



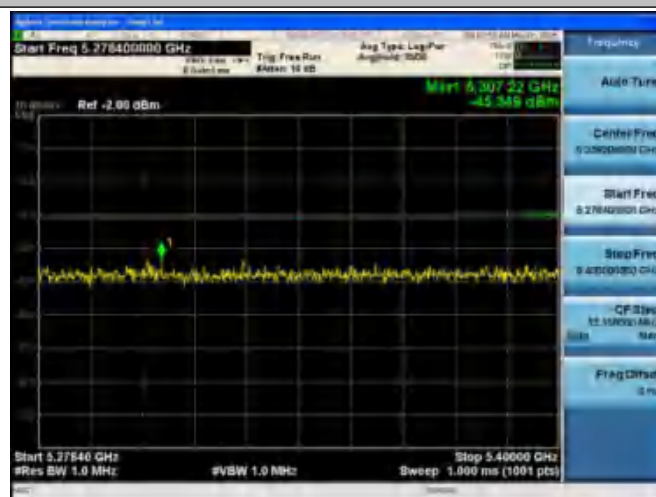
NTNV_11AX40SISO_Ant1_5230_5251~5270



NTNV_11AX40SISO_Ant1_5230_5270~5278.4



NTNV_11AX40SISO_Ant1_5230_5278.4~5400



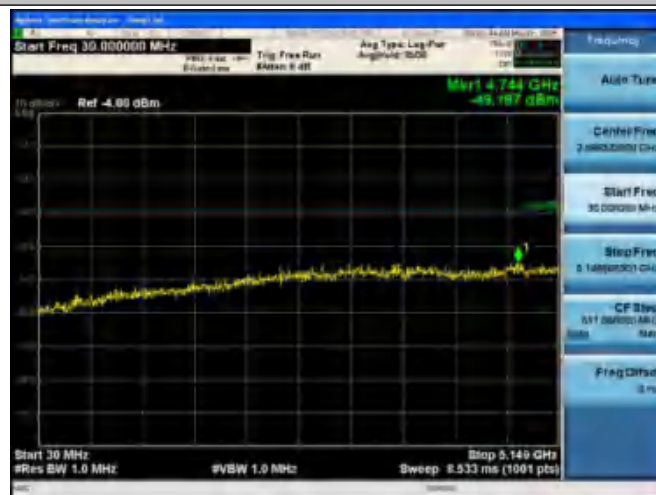
NTNV_11AX40SISO_Ant1_5230_5400~26000



NTNV_11AX80SISO_Ant1_5210_30~5123.2



NTNV_11AX80SISO_Ant1_5210_5123.2~5150



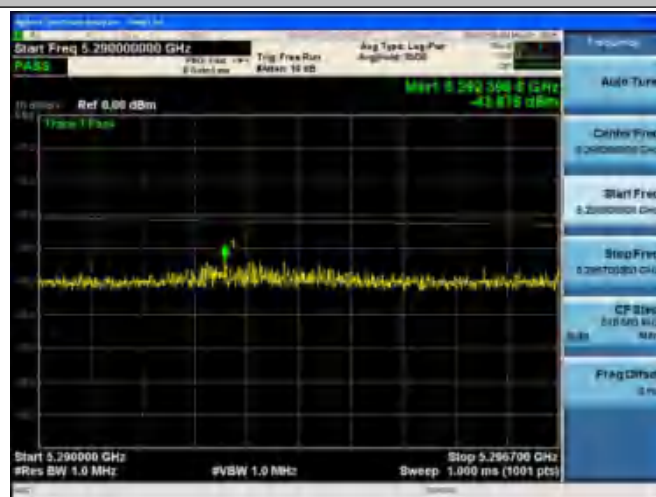
NTNV_11AX80SISO_Ant1_5210_5250~5251



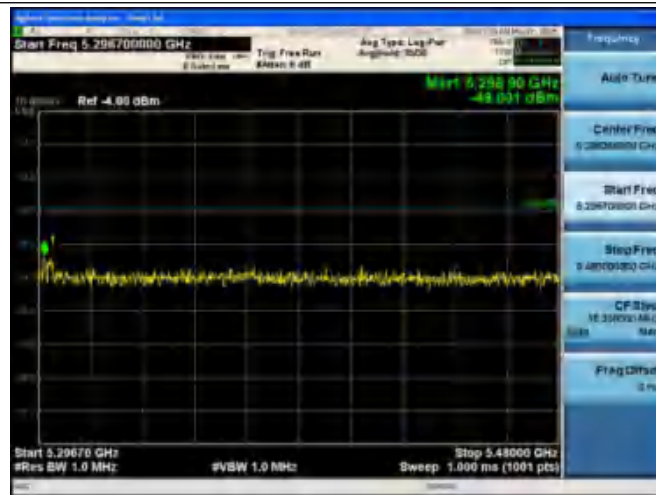
NTNV_11AX80SISO_Ant1_5210_5251~5290



NTNV_11AX80SISO_Ant1_5210_5290~5296.7



NTNV_11AX80SISO_Ant1_5210_5296.7~5480



NTNV_11AX80SISO_Ant1_5210_5480~26000



Appendix B: Spurious Emission of RX

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11A	Ant1	5180	30~1000	-74.75	≤-54	0.03350	≤4	PASS
				1000~26000	-60.58	≤-47	0.87498	≤20	PASS
			5200	30~1000	-74.39	≤-54	0.03639	≤4	PASS
				1000~26000	-60.31	≤-47	0.93111	≤20	PASS
			5240	30~1000	-74.43	≤-54	0.03606	≤4	PASS
				1000~26000	-60.68	≤-47	0.85507	≤20	PASS
	11N20SI SO	Ant1	5180	30~1000	-74.66	≤-54	0.03420	≤4	PASS
				1000~26000	-60.28	≤-47	0.93756	≤20	PASS
			5200	30~1000	-74.64	≤-54	0.03436	≤4	PASS
				1000~26000	-60.61	≤-47	0.86896	≤20	PASS
			5240	30~1000	-74.94	≤-54	0.03206	≤4	PASS
				1000~26000	-60.60	≤-47	0.87096	≤20	PASS
	11N40SI SO	Ant1	5190	30~1000	-74.83	≤-54	0.03289	≤4	PASS
				1000~26000	-60.53	≤-47	0.88512	≤20	PASS
			5230	30~1000	-74.88	≤-54	0.03251	≤4	PASS
				1000~26000	-60.05	≤-47	0.98855	≤20	PASS
	11AC20S ISO	Ant1	5180	30~1000	-74.34	≤-54	0.03681	≤4	PASS
				1000~26000	-60.76	≤-47	0.83946	≤20	PASS
			5200	30~1000	-74.72	≤-54	0.03373	≤4	PASS
				1000~26000	-60.05	≤-47	0.98855	≤20	PASS
			5240	30~1000	-74.78	≤-54	0.03327	≤4	PASS
				1000~26000	-59.91	≤-47	1.02094	≤20	PASS
	11AC40S ISO	Ant1	5190	30~1000	-75.03	≤-54	0.03141	≤4	PASS
				1000~26000	-60.18	≤-47	0.95940	≤20	PASS
			5230	30~1000	-75.18	≤-54	0.03034	≤4	PASS
				1000~26000	-59.82	≤-47	1.04232	≤20	PASS
	11AC80S ISO	Ant1	5210	30~1000	-75.30	≤-54	0.02951	≤4	PASS
				1000~26000	-60.63	≤-47	0.86497	≤20	PASS
	11AX20S ISO	Ant1	5180	30~1000	-74.89	≤-54	0.03243	≤4	PASS
				1000~26000	-59.84	≤-47	1.03753	≤20	PASS
			5200	30~1000	-74.59	≤-54	0.03475	≤4	PASS
				1000~26000	-60.12	≤-47	0.97275	≤20	PASS
			5220	30~1000	-74.85	≤-54	0.03273	≤4	PASS
				1000~26000	-60.11	≤-47	0.97499	≤20	PASS
			5240	30~1000	-73.50	≤-54	0.04467	≤4	PASS
				1000~26000	-60.15	≤-47	0.96605	≤20	PASS
	11AX40S	Ant1	5190	30~1000	-74.81	≤-54	0.03304	≤4	PASS

	ISO		5230	1000~26000	-60.28	≤ -47	0.93756	≤ 20	PASS
				30~1000	-75.08	≤ -54	0.03105	≤ 4	PASS
				1000~26000	-60.37	≤ -47	0.91833	≤ 20	PASS
	11AX80S ISO	Ant1	5210	30~1000	-75.13	≤ -54	0.03069	≤ 4	PASS
				1000~26000	-59.69	≤ -47	1.07399	≤ 20	PASS

Test Graphs

NTNV_11A_Ant1_5180_30~1000



NTNV_11A_Ant1_5180_1000~26000



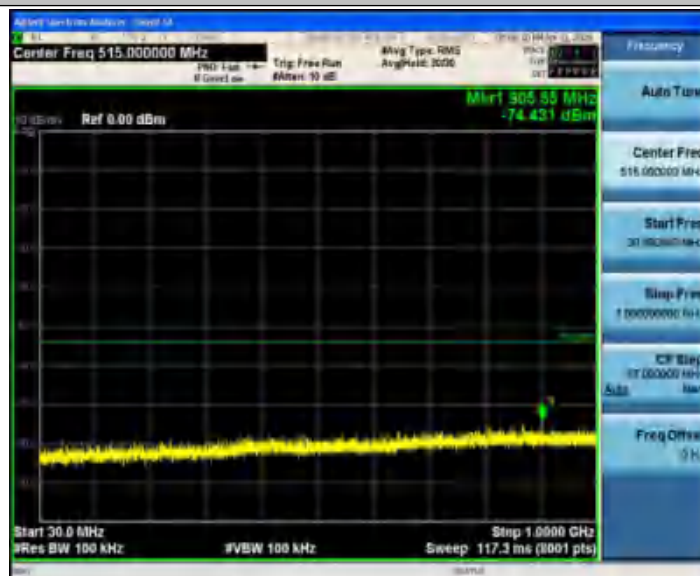
NTNV_11A_Ant1_5200_30~1000



NTNV_11A_Ant1_5200_1000~26000



NTNV_11A_Ant1_5240_30~1000



NTNV_11A_Ant1_5240_1000~26000



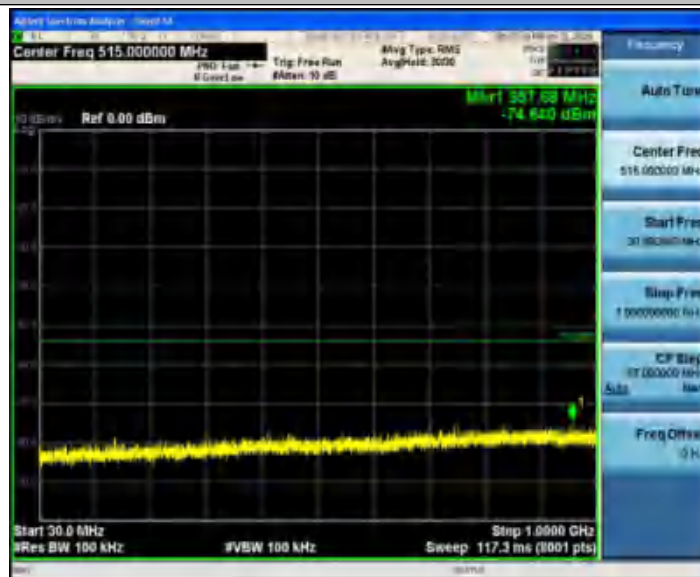
NTNV_11N20SISO_Ant1_5180_30~1000



NTNV_11N20SISO_Ant1_5180_1000~26000



NTNV_11N20SISO_Ant1_5200_30~1000



NTNV_11N20SISO_Ant1_5200_1000~26000



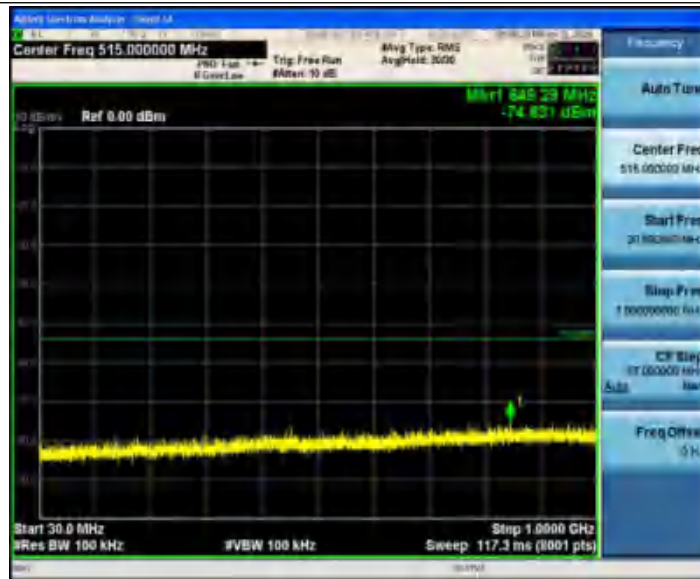
NTNV_11N20SISO_Ant1_5240_30~1000



NTNV_11N20SISO_Ant1_5240_1000~26000



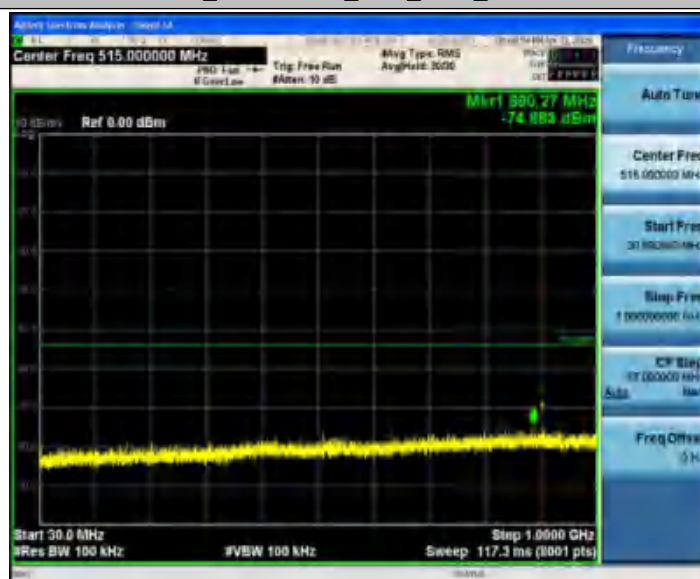
NTNV_11N40SISO_Ant1_5190_30~1000



NTNV_11N40SISO_Ant1_5190_1000~26000



NTNV_11N40SISO_Ant1_5230_30~1000



NTNV_11N40SISO_Ant1_5230_1000~26000



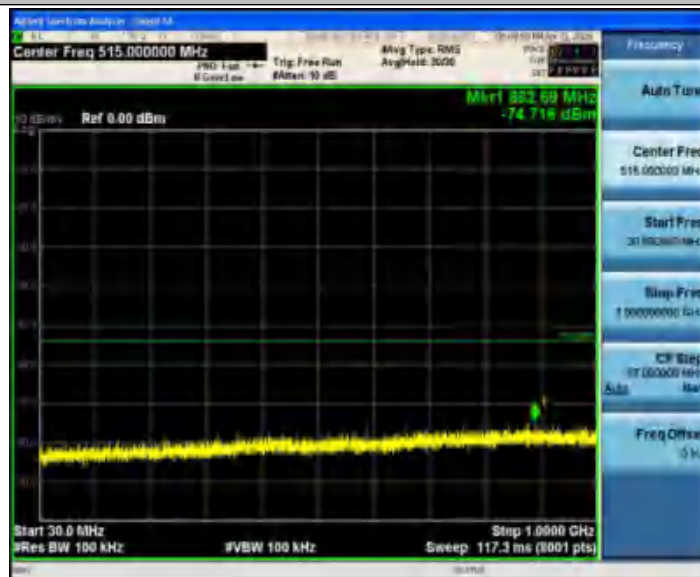
NTNV_11AC20SISO_Ant1_5180_30~1000



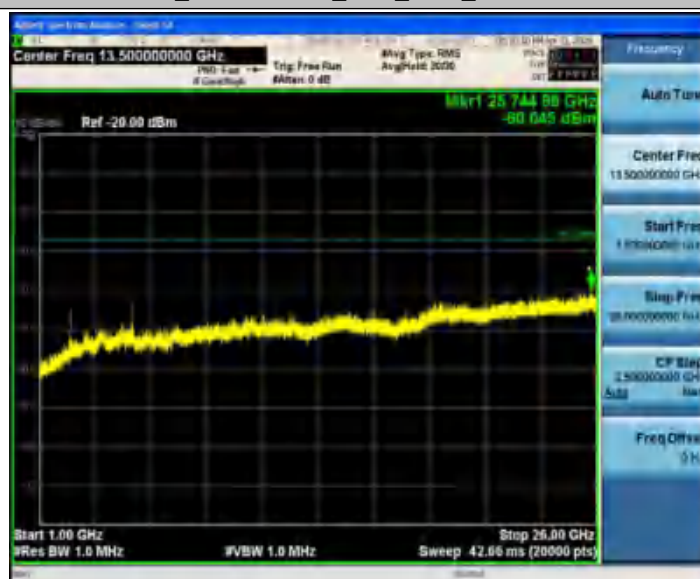
NTNV_11AC20SISO_Ant1_5180_1000~26000



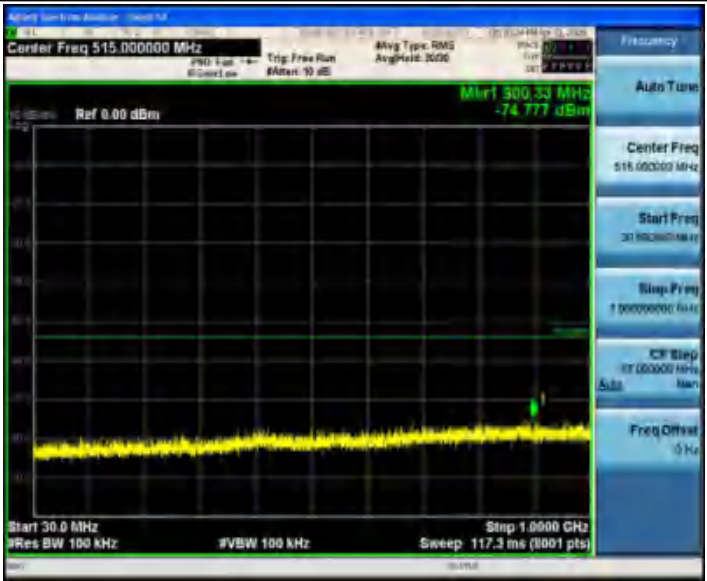
NTNV_11AC20SISO_Ant1_5200_30~1000



NTNV_11AC20SISO_Ant1_5200_1000~26000



NTNV_11AC20SISO_Ant1_5240_30~1000



NTNV_11AC20SISO_Ant1_5240_1000~26000



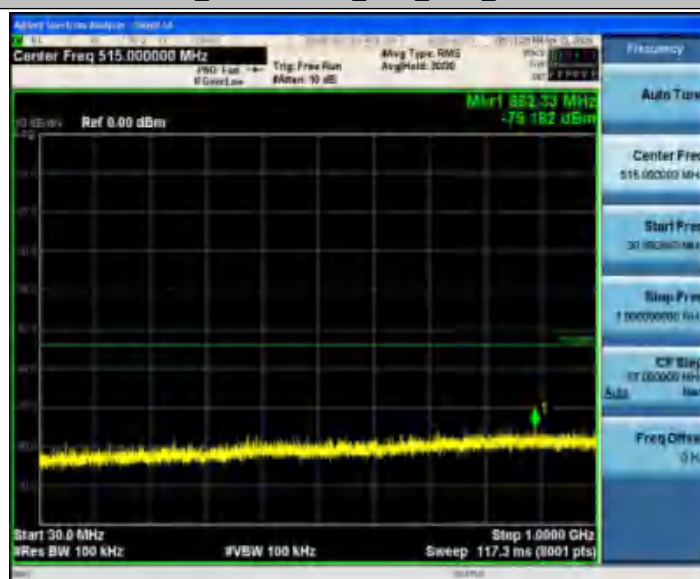
NTNV_11AC40SISO_Ant1_5190_30~1000



NTNV_11AC40SISO_Ant1_5190_1000~26000



NTNV_11AC40SISO_Ant1_5230_30~1000



NTNV_11AC40SISO_Ant1_5230_1000~26000



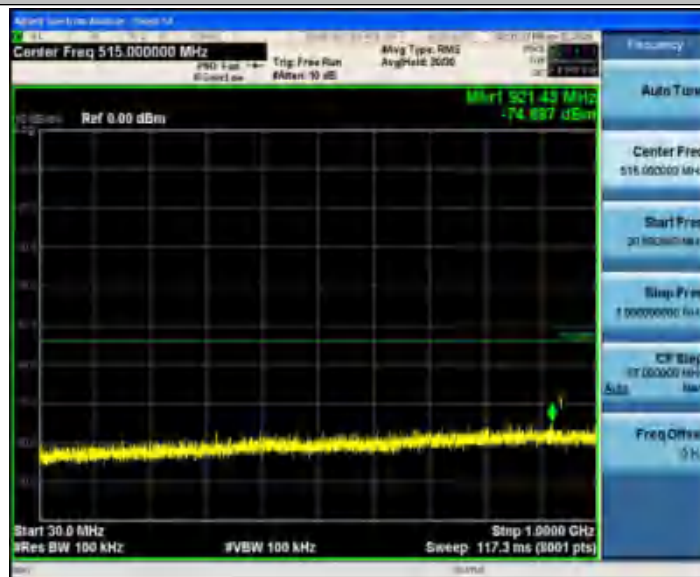
NTNV_11AC80SISO_Ant1_5210_30~1000



NTNV_11AC80SISO_Ant1_5210_1000~26000



NTNV_11AX20SISO_Ant1_5180_30~1000



NTNV_11AX20SISO_Ant1_5180_1000~26000



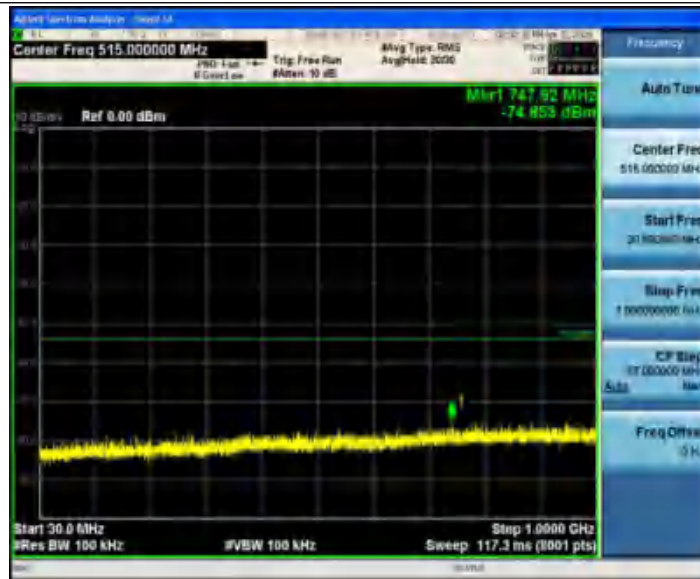
NTNV_11AX20SISO_Ant1_5200_30~1000



NTNV_11AX20SISO_Ant1_5200_1000~26000



NTNV_11AX20SISO_Ant1_5220_30~1000



NTNV_11AX20SISO_Ant1_5220_1000~26000



NTNV_11AX20SISO_Ant1_5240_30~1000



NTNV_11AX20SISO_Ant1_5240_1000~26000



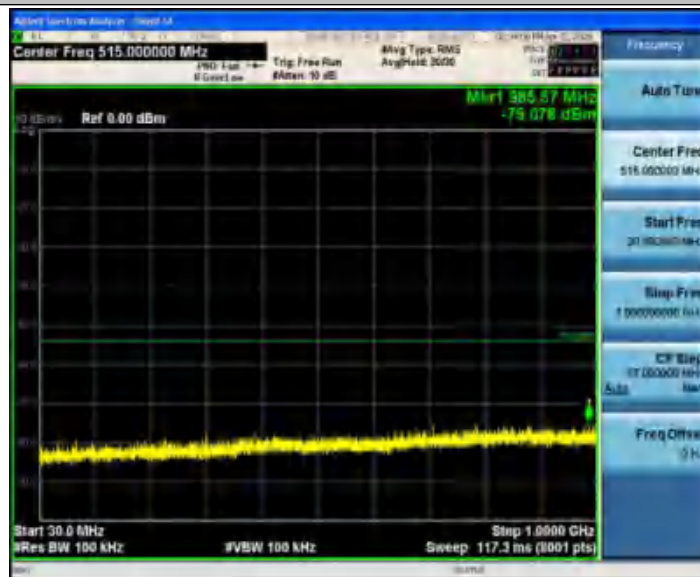
NTNV_11AX40SISO_Ant1_5190_30~1000



NTNV_11AX40SISO_Ant1_5190_1000~26000



NTNV_11AX40SISO_Ant1_5230_30~1000



NTNV_11AX40SISO_Ant1_5230_1000~26000



NTNV_11AX80SISO_Ant1_5210_30~1000



NTNV_11AX80SISO_Ant1_5210_1000~26000

