



## **FCC TEST REPORT**

**FCC ID: 2AI56-Q27CMA11**

On Behalf of

**HKC Corporation Limited**

**intelligent signage**

**Model No.: Q27CMA11, Q27C\*\*\*\* (\*=0-9, A-Z, a-z, blank)**

Prepared for : HKC Corporation Limited  
Address : HuiKe Industrial Park, Minying Industrial Zone, ShuiTian, ShiYan,  
Baoan, ShenZhen City, P.R.China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.  
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,  
518103, Shenzhen, Guangdong, China

Report Number : A2310034-C01-R05  
Date of Receipt : October 16, 2023  
Date of Test : October 16, 2023- November 1, 2023  
Date of Report : November 1, 2023  
Version Number : V0

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## TEST REPORT DECLARATION

Applicant : HKC Corporation Limited

Address : HuiKe Industrial Park, Minying Industrial Zone, ShuiTian, ShiYan, Baoan,  
ShenZhen City, P.R.China

Manufacturer : HKC Corporation Limited

Address : HuiKe Industrial Park, Minying Industrial Zone, ShuiTian, ShiYan, Baoan,  
ShenZhen City, P.R.China

EUT Description : intelligent signage

(A) Model No. : Q27CMA11, Q27C\*\*\*\* (\*=0-9, A-Z, a-z, blank)

(B) Trademark : N/A

Measurement Standard Used:

**FCC Rules and Regulations Part 15 Subpart E**

**ANSI C63.4:2014, ANSI C63.10:2013**

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart E limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

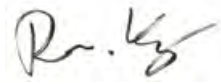
Tested by (name + signature).....:

Lucas Pang  
Project Engineer



Approved by (name + signature).....:

Reak Yang  
Project Manager



Date of issue.....:

November 1, 2023

**Revision History**

| Revision | Issue Date       | Revisions              | Revised By |
|----------|------------------|------------------------|------------|
| V0       | November 1, 2023 | Initial released Issue | Lucas Pang |

## 1 Test Summary

| Test Item                                 | Section in CFR 47                                                               | Result |
|-------------------------------------------|---------------------------------------------------------------------------------|--------|
| Antenna requirement                       | Section 15.203 Section 7.1.4<br>RSS-Gen Issue 5                                 | PASS   |
| AC Power Line Conducted Emission          | Section 15.207 Section 7.2.4<br>RSS-GEN(8.8), ANSI C63.10                       | PASS   |
| Max Transmit Power                        | Section 15.407(a), RSS-247 5.4(2)                                               | PASS   |
| Power Spectral Density                    | Section 15.407(a), RSS-247 5.2(2)                                               | PASS   |
| Undesirable Emission                      | Section 15.407(b), RSS-247 5.5                                                  | PASS   |
| Radiated Emission                         | Section 15.407(b)&15.209 Section 5.5<br>RSS-Gen(8.9), RSS-247(5.5), ANSI C63.10 | PASS   |
| Emission bandwidth and occupied bandwidth | 47 CFR Part 15.407(e)                                                           | PASS   |
| Band Edge                                 | 15.205, RSS-247 Issue 2, ANSI C63.10                                            | PASS   |
| Frequency Stability                       | 15.407(f), RSS-GEN(6.11)                                                        | PASS   |

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Frequency Stability: The manufacturer stated in the user's manual.
3. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

### 1.1 Measurement Uncertainty

| Item                                                                      | Uncertainty                                |
|---------------------------------------------------------------------------|--------------------------------------------|
| Uncertainty for Power point Conducted Emissions Test                      | 1.63dB                                     |
| Uncertainty for Radiation Emission test in 3m chamber<br>(below 30MHz)    | 3.5dB                                      |
| Uncertainty for Radiation Emission test in 3m chamber<br>(30MHz to 1GHz)  | 3.74dB(Polarize: V)<br>3.76dB(Polarize: H) |
| Uncertainty for Radiation Emission test in 3m chamber<br>(1GHz to 25GHz)  | 3.77dB(Polarize: V)<br>3.80dB(Polarize: H) |
| Uncertainty for Radiation Emission test in 3m chamber<br>(25GHz to 40GHz) | 4.31dB(Polarize: V)<br>4.30dB(Polarize: H) |
| Uncertainty for radio frequency                                           | $5.06 \times 10^{-8}$ GHz                  |
| Uncertainty for conducted RF Power                                        | 0.40dB                                     |
| Uncertainty for temperature                                               | 0.2°C                                      |
| Uncertainty for humidity                                                  | 1%                                         |
| Uncertainty for DC and low frequency voltages                             | 0.06%                                      |

## 2 General Information

### 2.1 General Description of EUT

EUT Name : intelligent signage  
 Model No. : Q27CMA11, Q27C\*\*\*\* (\*=0-9, A-Z, a-z, blank)  
 DIFF. : There is no difference except the name of the model. All tests are made with the Q27CMA11 model.  
 Power supply : DC 24V from adapter, DC 19.2V from battery.

Radio Technology : 5G WIFI

Operation Frequency : 802.11a/n(HT20)/ac(VHT20): 5180~5240MHz; 5745~5825MHz  
 802.11n(HT40)/ac(VHT40): 5190~5230MHz, 5755~5795MHz  
 802.11ac(VHT80): 5210MHz, 5775MHz

Channel separation : 20MHz for 802.11a/ 802.11ac(VHT20)/ 802.11n(HT20)  
 40MHz for 802.11ac(VHT40)/ 802.11n(HT40)  
 80MHz for 802.11ac(VHT80)

Modulation technology: : IEEE 802.11n/a/ac: OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Type : Internal antenna 1, max gain -5.24dBi  
 Internal antenna 2, max gain -5.24dBi  
 The antenna MIMO combining gain is -2.24dBi.  
 (Antenna information is provided by applicant.)

Software version : V1.0

Hardware version : V1.0

Intend use environment : Residential, commercial and light industrial environment

## 2.2 Test mode

Transmitting mode      Keep the EUT in transmitting with modulation.  
EUT was test with 99% duty cycle at its maximum power control level.

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

## 2.3 Test Facility

Shenzhen Alpha Product Testing Co., Ltd  
Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission  
Registration Number: 293961

July 25, 2017 Certificated by IC  
Registration Number: 12135A

## 2.4 Description of Support Units

Accessories      : AC ADAPTOR  
Manufacturer    : Shenzhen Guijin Technology Co., Ltd.  
Model            : GJ100WD-2400400W1  
Ratings          : INPUT: 100-240V~50/60Hz 1.5A  
                      : OUTPUT: 24.0V=4.0A 96.0W

## 2.5 Deviation from Standards

None.

## 2.6 Abnormalities from Standard Conditions

None.

## 2.7 Other Information Requested by the Customer

None.

## 2.8 Additional instructions

Software (Used for test) from client

| Channel | Power level |
|---------|-------------|
| Lowest  | Default     |
| Middle  | Default     |
| Highest | Default     |

### 3 Test Instruments list

| Equipment                   | Manufacture   | Model No.     | Firmware version | Serial No.             | Last cal.  | Cal Interval |
|-----------------------------|---------------|---------------|------------------|------------------------|------------|--------------|
| 9*6*6 anechoic chamber      | CHENYU        | 9*6*6         | /                | N/A                    | 2022.05.17 | 3Year        |
| Spectrum analyzer           | ROHDE&SCHWARZ | FSV40-N       | 2.3              | 102137                 | 2023.08.16 | 1Year        |
| Spectrum analyzer           | Agilent       | N9020A        | A.14.16          | MY499100060            | 2023.08.16 | 1Year        |
| Receiver                    | ROHDE&SCHWARZ | ESR           | 2.28 SP1         | 1316.3003K03-102082-Wa | 2023.08.16 | 1Year        |
| Receiver                    | R&S           | ESCI          | 4.42 SP1         | 101165                 | 2023.08.16 | 1Year        |
| Bilog Antenna               | Schwarzbeck   | VULB 9168     | /                | VULB 9168#627          | 2023.08.28 | 1Year        |
| Horn Antenna                | SCHWARZBECK   | BBHA 9120 D   | /                | 2106                   | 2023.08.19 | 1Year        |
| Loop Antenna                | SCHWARZBECK   | FMZB 1519B    | /                | 00128                  | 2023.08.19 | 1Year        |
| RF Cable                    | Resenberger   | Cable 1       | /                | RE1                    | 2023.08.16 | 1Year        |
| RF Cable                    | Resenberger   | Cable 2       | /                | RE2                    | 2023.08.16 | 1Year        |
| RF Cable                    | Resenberger   | Cable 3       | /                | CE1                    | 2023.08.16 | 1Year        |
| Pre-amplifier               | HP            | HP8347A       | /                | 2834A00455             | 2023.08.16 | 1Year        |
| Pre-amplifier               | Agilent       | 8449B         | /                | 3008A02664             | 2023.08.16 | 1Year        |
| L.I.S.N.#1                  | Schwarzbeck   | NSLK8126      | /                | 8126-466               | 2023.08.16 | 1Year        |
| L.I.S.N.#2                  | ROHDE&SCHWARZ | ENV216        | /                | 101043                 | 2023.08.16 | 1Year        |
| Horn Antenna                | SCHWARZBECK   | BBHA 9170     | /                | 00946                  | 2023.08.19 | 1Year        |
| Preamplifier                | SKET          | LNPA_1840 -50 | /                | SK2018101801           | 2023.08.16 | 1 Year       |
| Power Meter                 | Agilent       | E9300A        | /                | MY41496628             | 2023.08.16 | 1 Year       |
| Power Sensor                | DARE          | RPR3006W      | /                | 15100041SNO91          | 2023.08.16 | 1 Year       |
| Temp. & Humid. Chamber      | Teelong       | TL-HW408S     | /                | TL-20191205-01         | 2023.07.25 | 1 Year       |
| Switching Mode Power Supply | JUNKE         | JK12010S      | /                | 20140927-6             | 2023.08.16 | 1 Year       |
| Adjustable attenuator       | MWRFTest      | N/A           | /                | N/A                    | N/A        | N/A          |
| 10dB Attenuator             | Mini-Circuits | DC-6G         | /                | N/A                    | N/A        | N/A          |

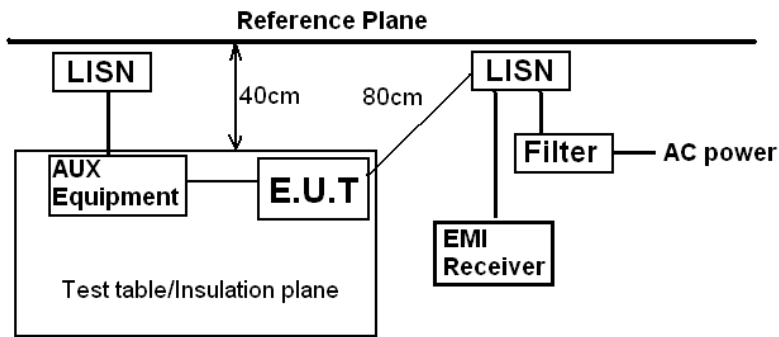
| Software Information |               |              |           |
|----------------------|---------------|--------------|-----------|
| Test Item            | Software Name | Manufacturer | Version   |
| RE                   | EZ-EMC        | Farad        | Alpha-3A1 |
| CE                   | EZ-EMC        | Farad        | Alpha-3A1 |
| RF-CE                | MTS 8310      | MWRFTest     | V2.0.0.0  |

## 4 Test results and Measurement Data

### 4.1 Antenna requirement:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FCC Part15 C Section 15.203 |
| <p>15.203 requirement:</p> <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> |                             |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| <p>The antenna is internal antenna. The best case gain of the antenna is -5.24dBi for 5.15~5.25GHz/5.725~5.85GHz.</p>                                                                                                                                                                                                                                                                                                                                                                |                             |

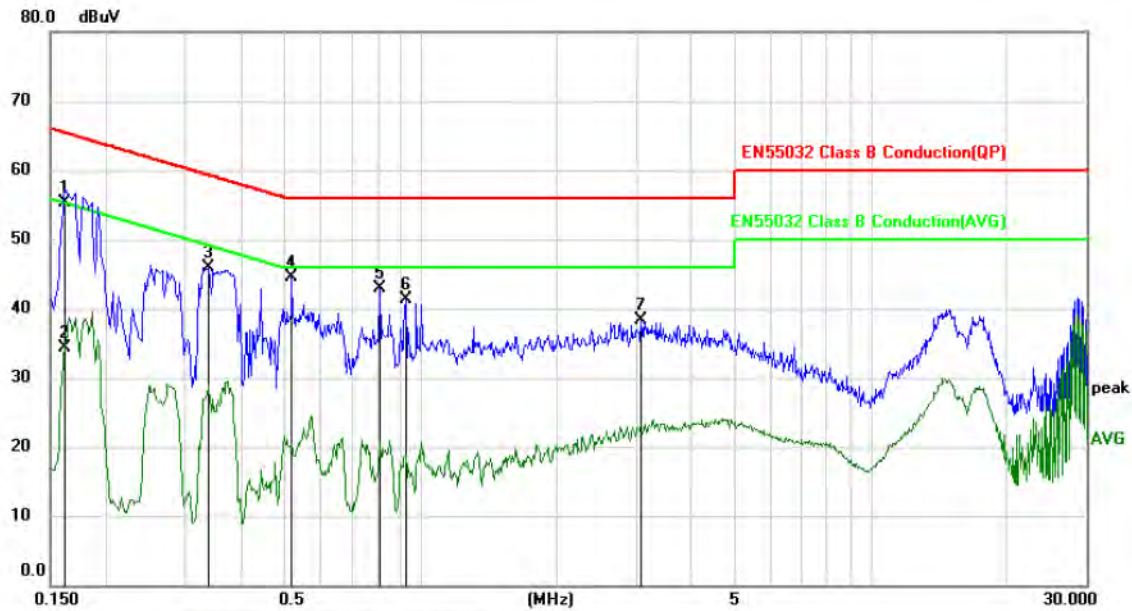
## 4.2 Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |           |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| Test Requirement:                                | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |           |
| Test Method:                                     | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |           |
| Test Frequency Range:                            | 150KHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |           |
| Class / Severity:                                | Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
| Receiver setup:                                  | RBW=9KHz, VBW=30KHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |           |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Limit (dBuV) |           |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quasi-peak   | Average   |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 66 to 56*    | 56 to 46* |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56           | 46        |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60           | 50        |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |           |
| Test procedure                                   | The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement. |              |           |
| Test setup:                                      |  <p>Remark<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |           |
| Test Instruments:                                | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |           |
| Test mode:                                       | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |           |
| Test results:                                    | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |           |

### Measurement Data

An initial pre-scan was performed on the line and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

## Line:

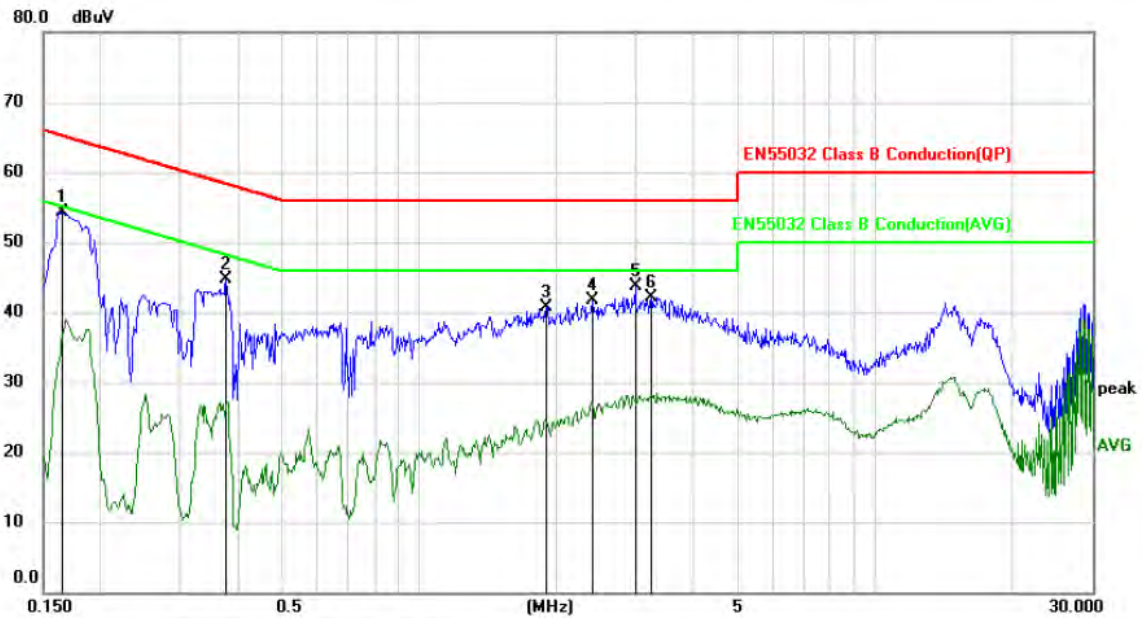


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   | *   | 0.1620       | 45.29                    | 9.93                    | 55.22                    | 65.36         | -10.14       | QP       |         |
| 2   |     | 0.1620       | 24.40                    | 9.93                    | 34.33                    | 55.36         | -21.03       | AVG      |         |
| 3   |     | 0.3390       | 36.00                    | 9.94                    | 45.94                    | 59.23         | -13.29       | peak     |         |
| 4   |     | 0.5160       | 34.52                    | 9.95                    | 44.47                    | 56.00         | -11.53       | peak     |         |
| 5   |     | 0.8130       | 32.88                    | 9.94                    | 42.82                    | 56.00         | -13.18       | peak     |         |
| 6   |     | 0.9240       | 31.35                    | 9.96                    | 41.31                    | 56.00         | -14.69       | peak     |         |
| 7   |     | 3.0780       | 28.26                    | 9.96                    | 38.22                    | 56.00         | -17.78       | peak     |         |

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

**Neutral:**

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   | *   | 0.1650       | 44.29                    | 9.93                    | 54.22                    | 65.21         | -10.99       | peak     |         |
| 2   |     | 0.3780       | 34.81                    | 9.94                    | 44.75                    | 58.32         | -13.57       | peak     |         |
| 3   |     | 1.9050       | 30.78                    | 9.88                    | 40.66                    | 56.00         | -15.34       | peak     |         |
| 4   |     | 2.4000       | 31.77                    | 9.90                    | 41.67                    | 56.00         | -14.33       | peak     |         |
| 5   |     | 2.9790       | 33.77                    | 9.95                    | 43.72                    | 56.00         | -12.28       | peak     |         |
| 6   |     | 3.2340       | 32.15                    | 9.96                    | 42.11                    | 56.00         | -13.89       | peak     |         |

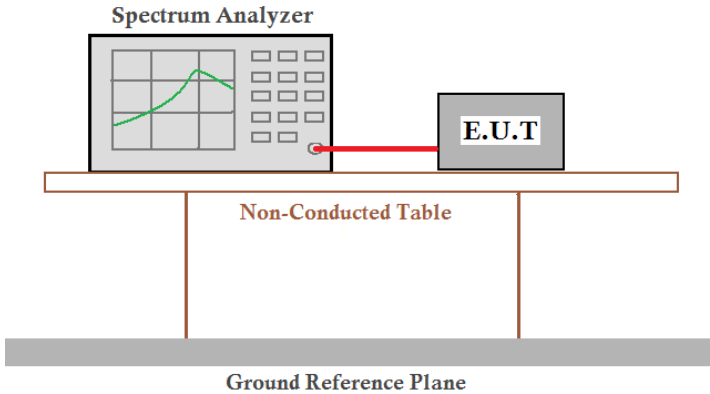
\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Note: All modes and channels have been tested and only the A 5180MHz mode with the worst data is listed.

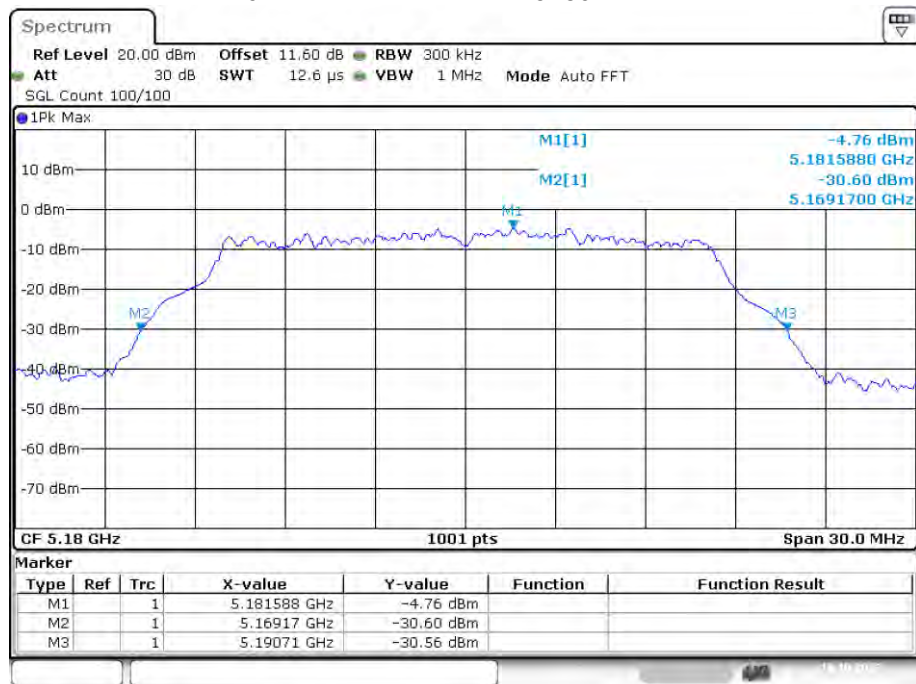
#### 4.3 Emission Bandwidth and 99% Occupied Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 E Section 15.407                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Method:      | KDB 789033 D02 General UNII Test Procedures New Rules v02r01                                                                                                                                                                                                                                                                                                                                                                                                             |
| Limit:            | >500kHz for 6 dB bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer, shown with a grid and a green curve, is connected to an E.U.T. (Equipment Under Test) box by a red cable. Both the Spectrum Analyzer and the E.U.T. are positioned on a Non-Conducted Table, which is supported by two vertical legs. Below the table, a Ground Reference Plane is indicated by a thick grey bar.</p> |
| Test procedure:   | According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01.                                                                                                                                                                                                                                                                                                                                                                                               |
| Test Instruments: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

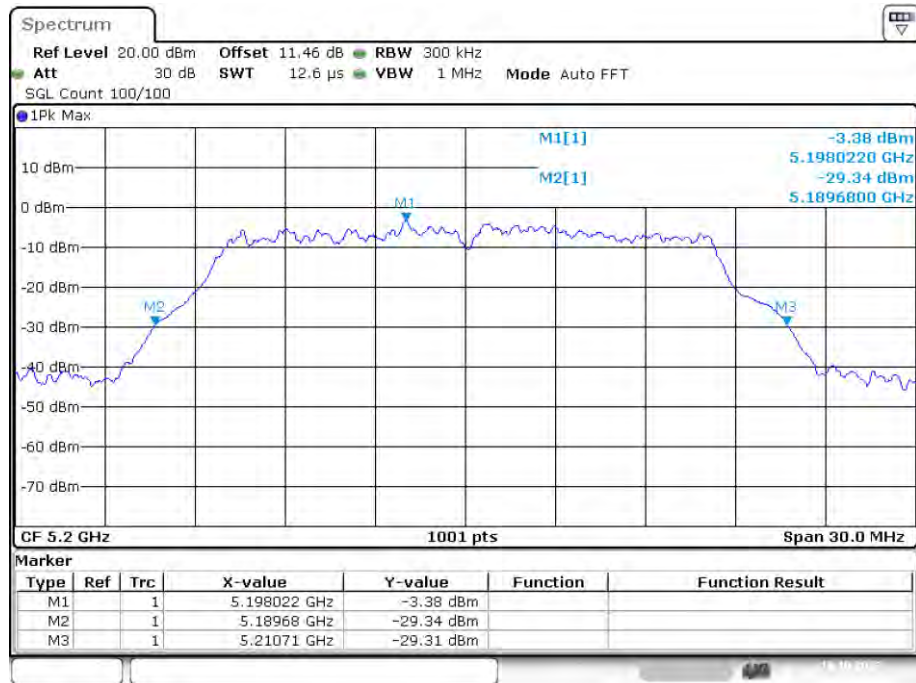
## Measurement Data:

**Band 1 (5150-5250 MHz):  
-26dB Bandwidth**

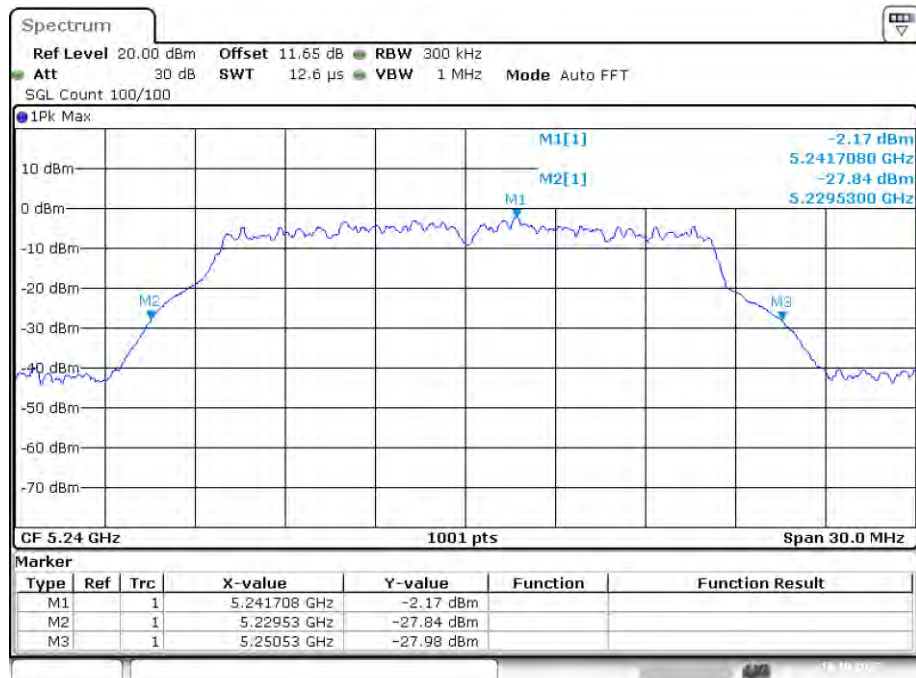
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) |
|-----------|------|-----------------|---------|------------------------|
| NVNT      | a    | 5180            | Ant1    | 21.54                  |
| NVNT      | a    | 5200            | Ant1    | 21.03                  |
| NVNT      | a    | 5240            | Ant1    | 21                     |
| NVNT      | ac20 | 5180            | Ant1    | 21.18                  |
| NVNT      | ac20 | 5200            | Ant1    | 21.33                  |
| NVNT      | ac20 | 5240            | Ant1    | 21.39                  |
| NVNT      | ac40 | 5190            | Ant1    | 39.84                  |
| NVNT      | ac40 | 5230            | Ant1    | 39.24                  |
| NVNT      | ac80 | 5210            | Ant1    | 80.16                  |
| NVNT      | n20  | 5180            | Ant1    | 21.3                   |
| NVNT      | n20  | 5200            | Ant1    | 21.33                  |
| NVNT      | n20  | 5240            | Ant1    | 21.27                  |
| NVNT      | n40  | 5190            | Ant1    | 39.84                  |
| NVNT      | n40  | 5230            | Ant1    | 39.72                  |

**-26dB Bandwidth NVNT a 5180MHz Ant1**


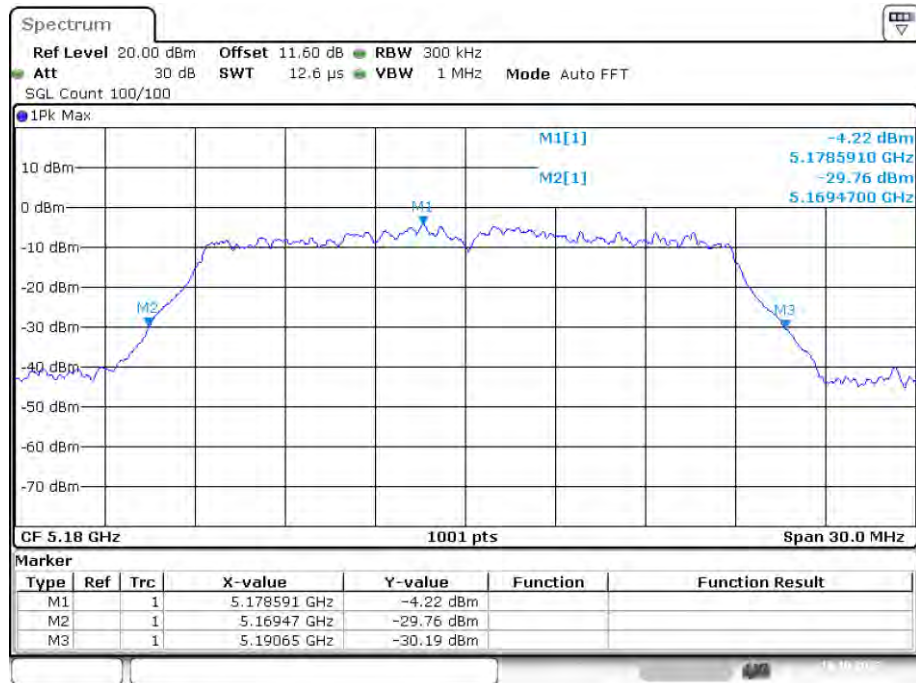
Date: 19.OCT.2023 13:17:05

**-26dB Bandwidth NVNT a 5200MHz Ant1**

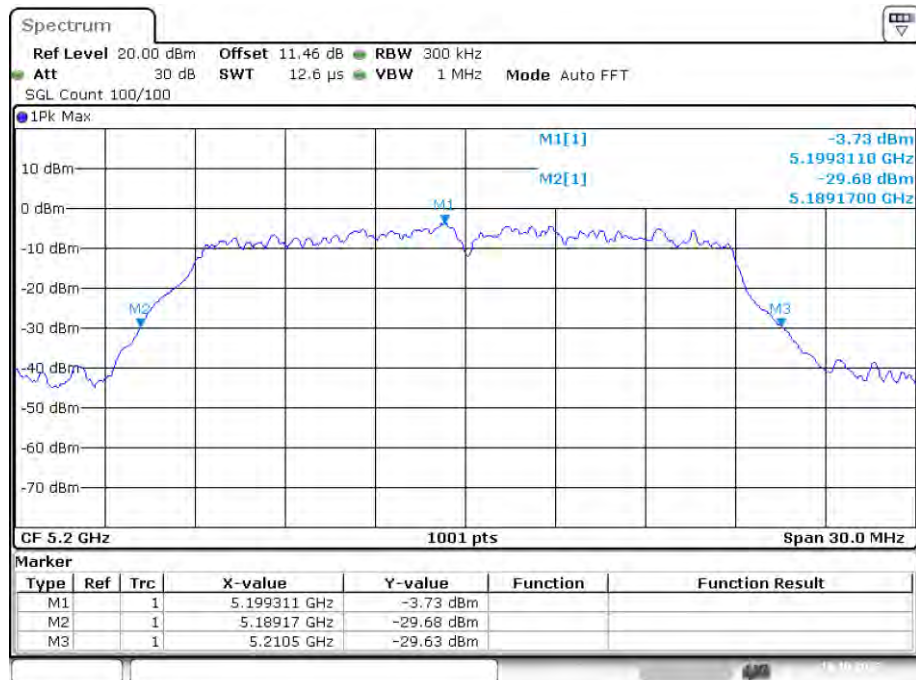
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**-26dB Bandwidth NVNT a 5240MHz Ant1**

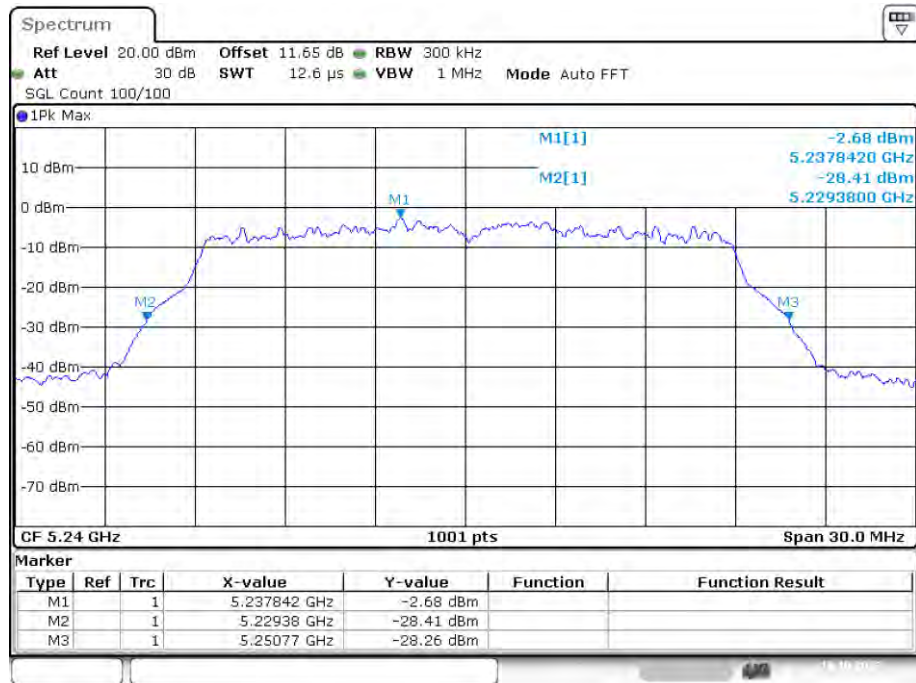
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**-26dB Bandwidth NVNT ac20 5180MHz Ant1**

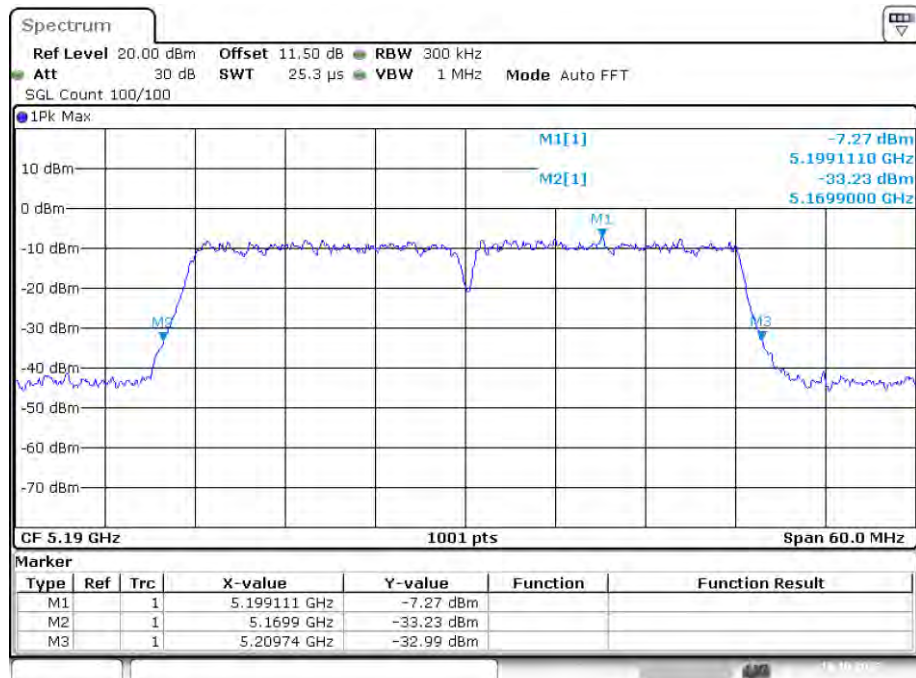
Date: 19.OCT.2023 15:14:29

**-26dB Bandwidth NVNT ac20 5200MHz Ant1**

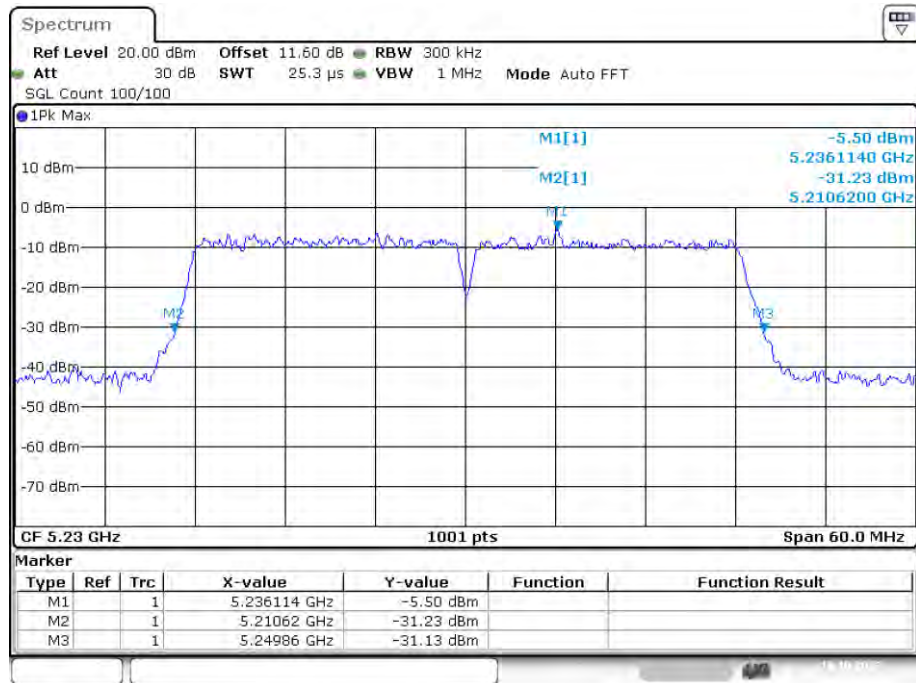
Date: 19.OCT.2023 15:19:33

**-26dB Bandwidth NVNT ac20 5240MHz Ant1**

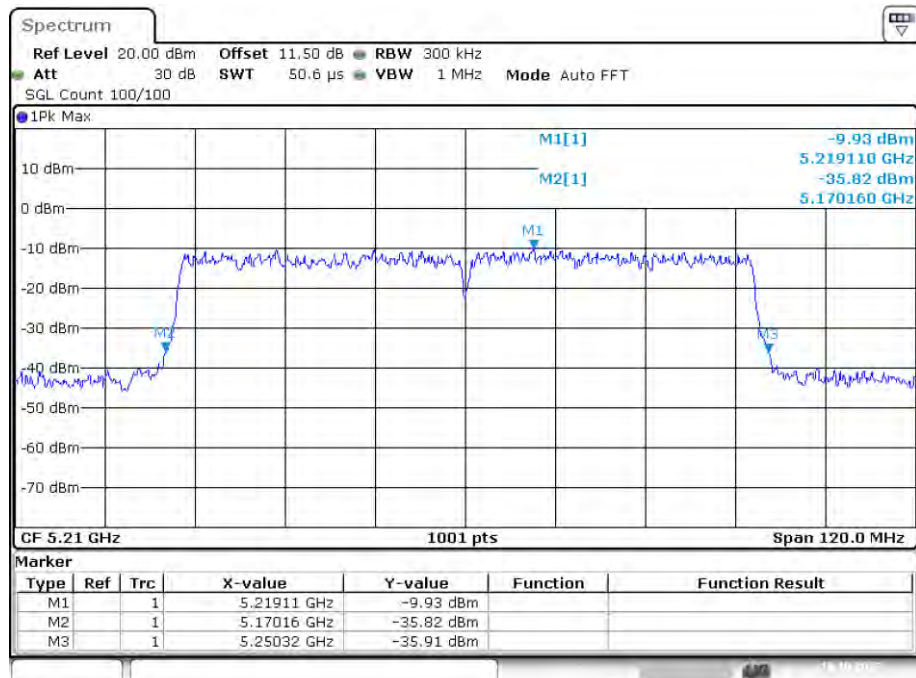
Date: 19.OCT.2023 15:24:21

**-26dB Bandwidth NVNT ac40 5190MHz Ant1**

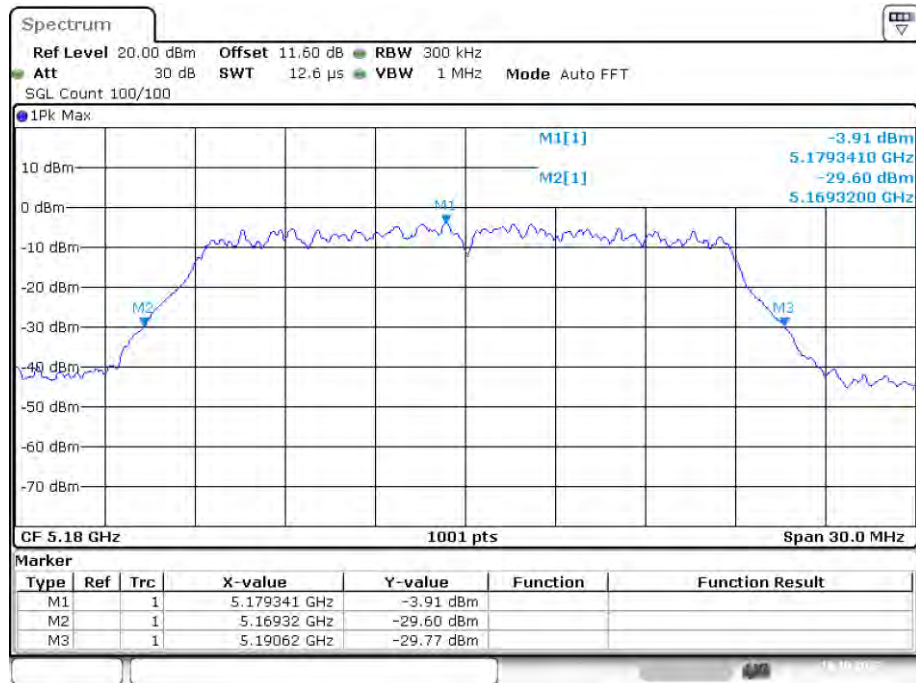
Date: 19.OCT.2023 15:31:54

**-26dB Bandwidth NVNT ac40 5230MHz Ant1**

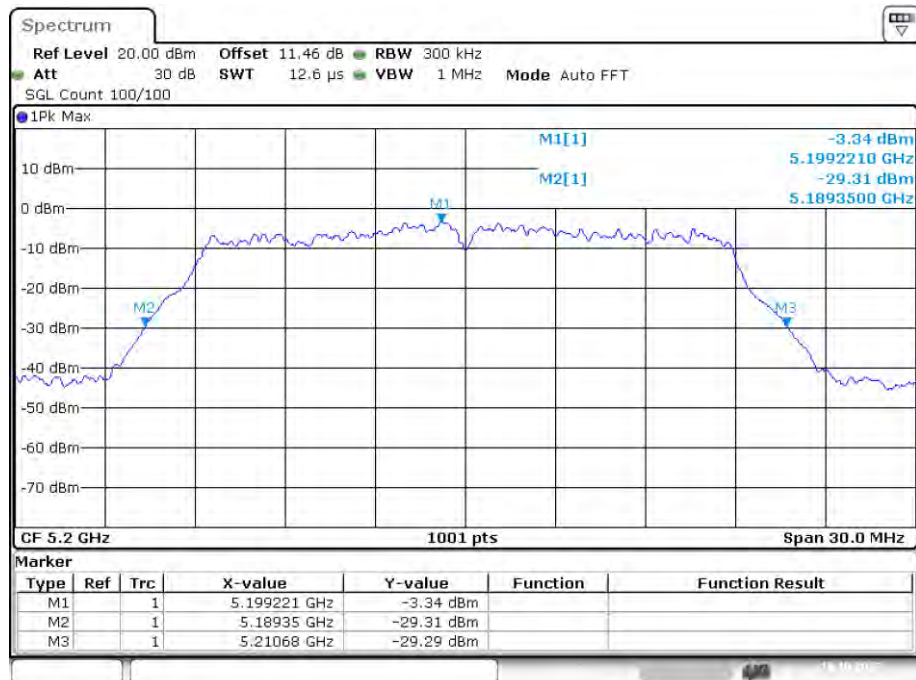
Date: 19.OCT.2023 15:36:49

**-26dB Bandwidth NVNT ac80 5210MHz Ant1**

Date: 19.OCT.2023 15:46:38

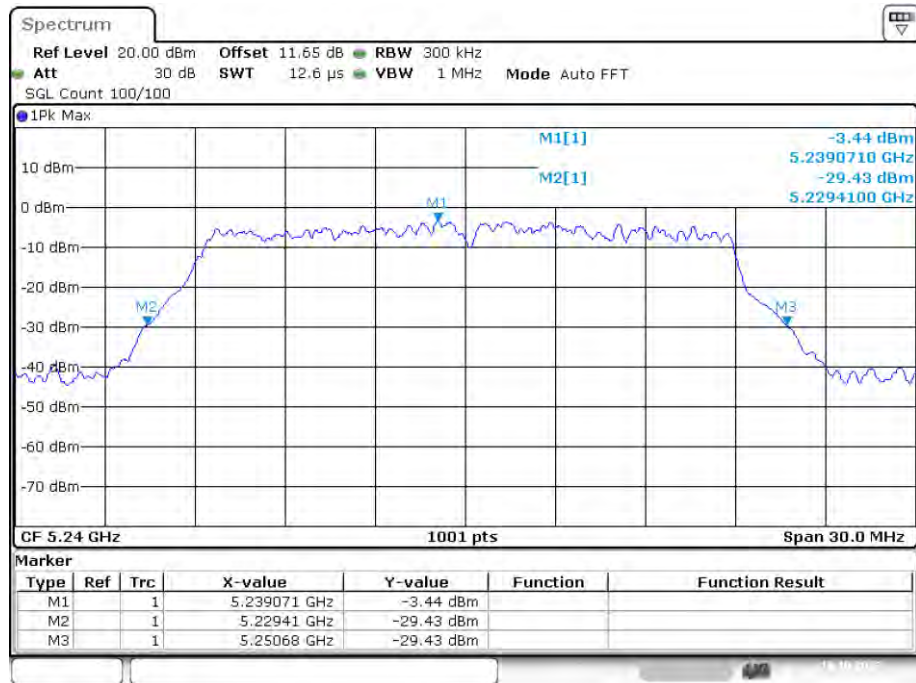
**-26dB Bandwidth NVNT n20 5180MHz Ant1**

Date: 19.OCT.2023 14:37:19

**-26dB Bandwidth NVNT n20 5200MHz Ant1**

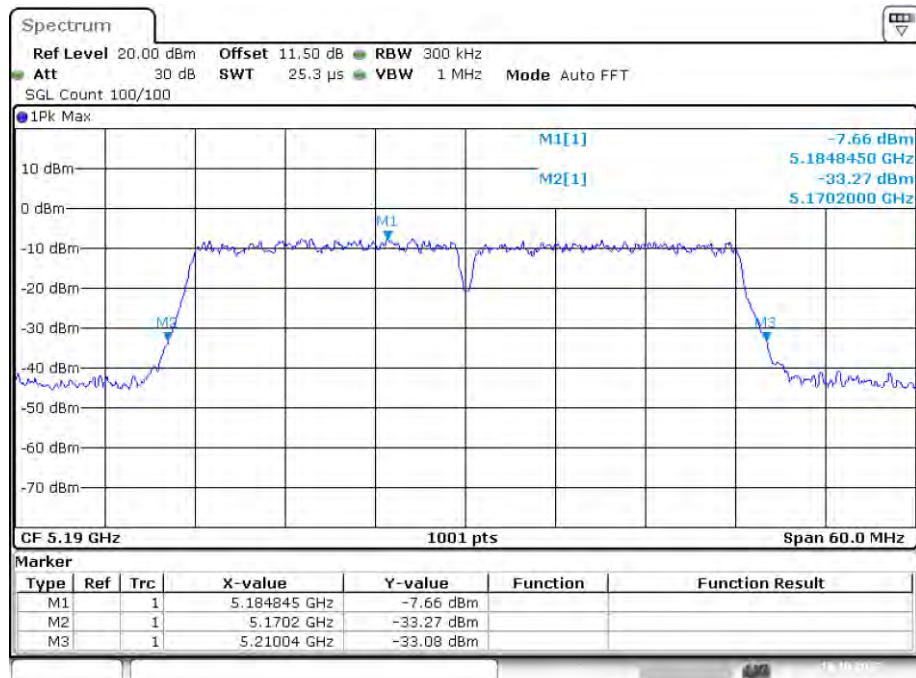
Date: 19.OCT.2023 14:41:29

## -26dB Bandwidth NVNT n20 5240MHz Ant1



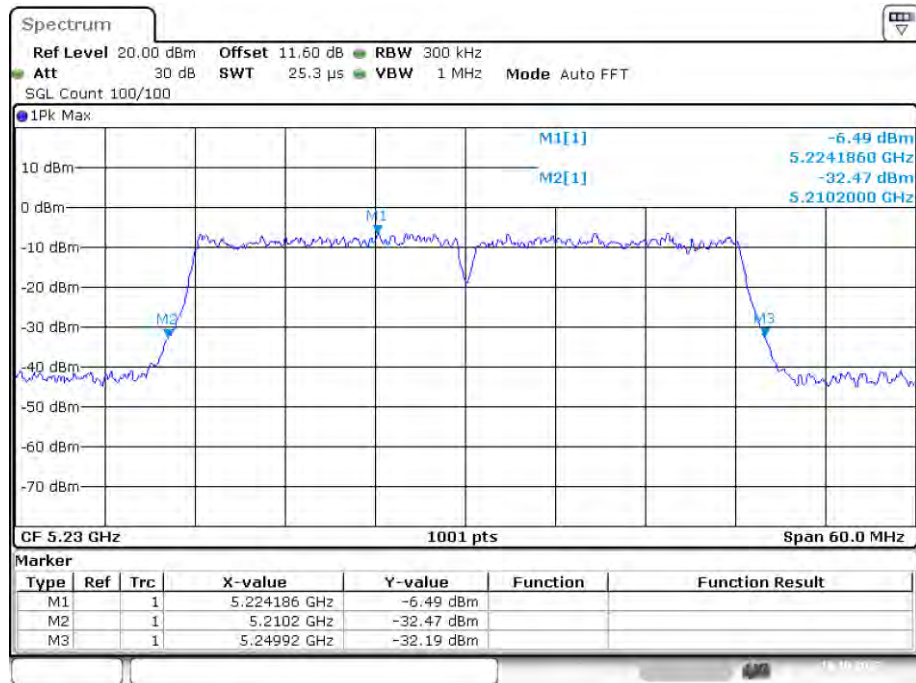
Date: 19.OCT.2023 14:48:31

## -26dB Bandwidth NVNT n40 5190MHz Ant1



Date: 19.OCT.2023 15:01:56

## -26dB Bandwidth NVNT n40 5230MHz Ant1

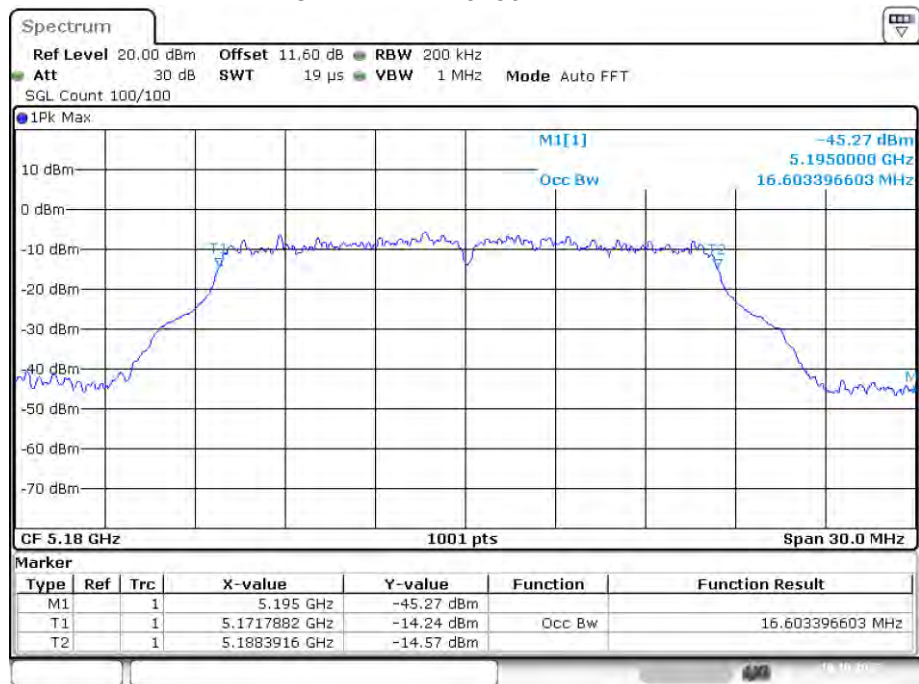


Date: 19.OCT.2023 15:07:07

## Occupied Channel Bandwidth

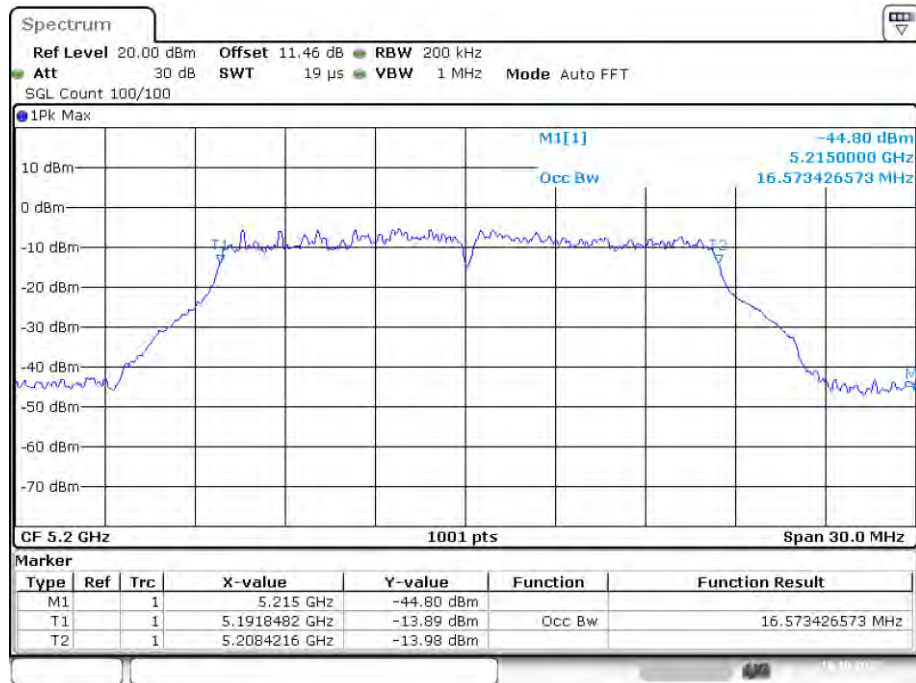
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.603        |
| NVNT      | a    | 5200            | Ant1    | 16.573        |
| NVNT      | a    | 5240            | Ant1    | 16.543        |
| NVNT      | ac20 | 5180            | Ant1    | 17.922        |
| NVNT      | ac20 | 5200            | Ant1    | 17.742        |
| NVNT      | ac20 | 5240            | Ant1    | 17.802        |
| NVNT      | ac40 | 5190            | Ant1    | 36.324        |
| NVNT      | ac40 | 5230            | Ant1    | 36.503        |
| NVNT      | ac80 | 5210            | Ant1    | 76.004        |
| NVNT      | n20  | 5180            | Ant1    | 17.712        |
| NVNT      | n20  | 5200            | Ant1    | 17.682        |
| NVNT      | n20  | 5240            | Ant1    | 17.622        |
| NVNT      | n40  | 5190            | Ant1    | 36.563        |
| NVNT      | n40  | 5230            | Ant1    | 36.503        |

## OBW NVNT a 5180MHz Ant1



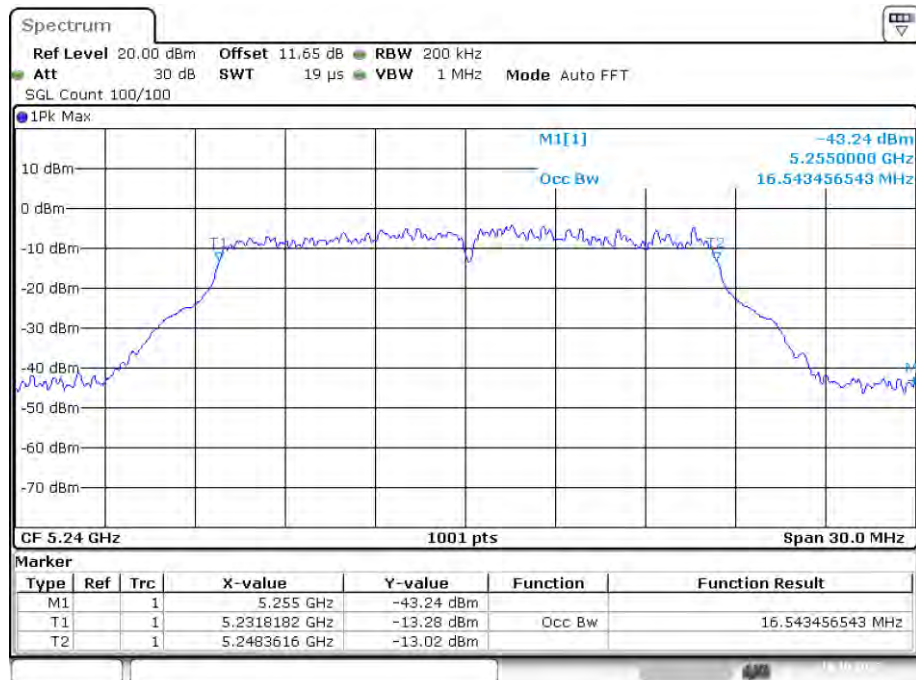
Date: 19.OCT.2023 13:16:56

## OBW NVNT a 5200MHz Ant1



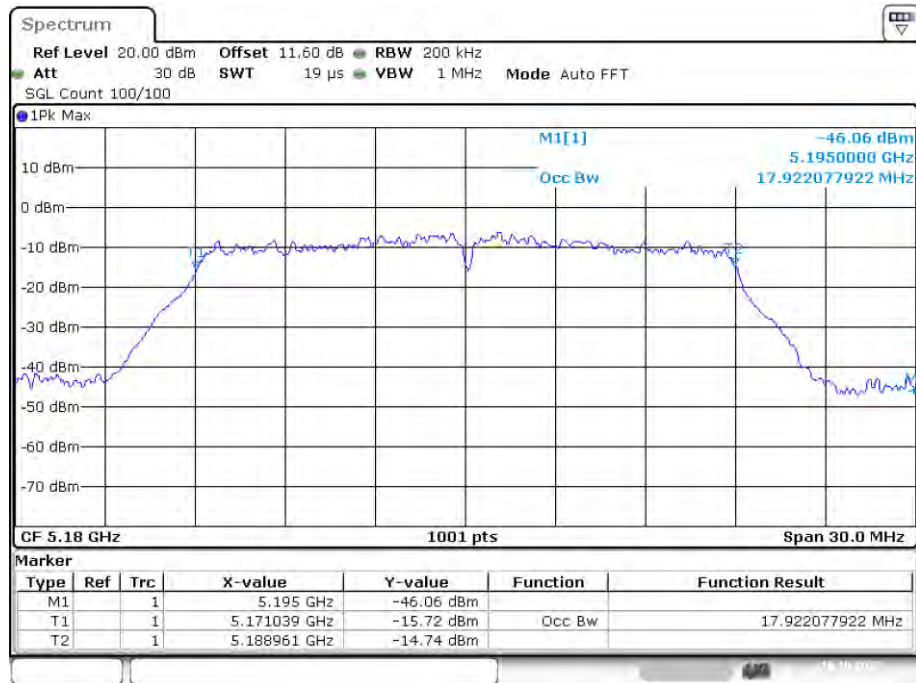
Date: 19.OCT.2023 13:20:52

## OBW NVNT a 5240MHz Ant1

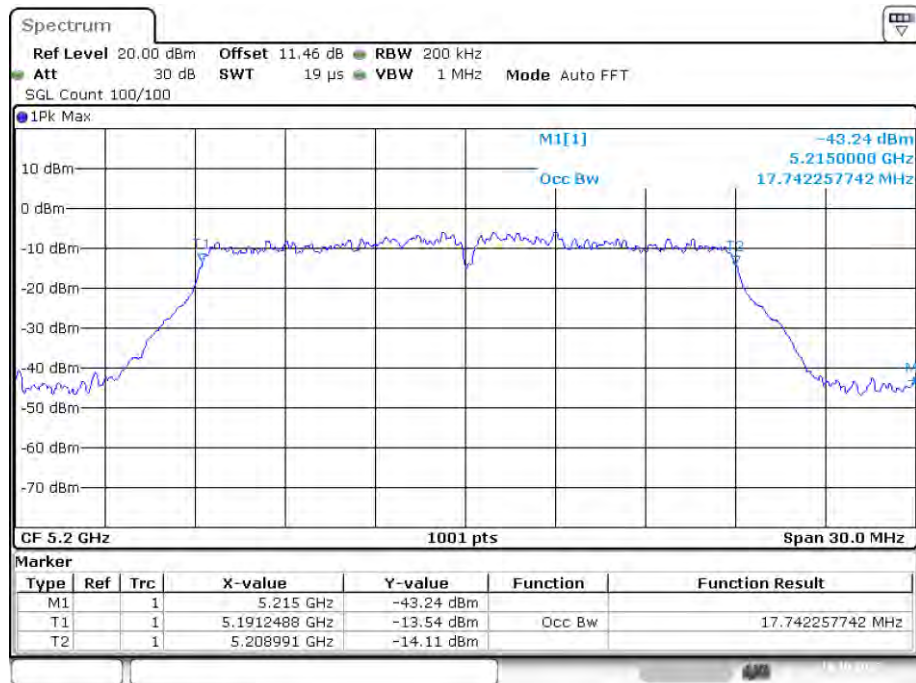


Date: 19.OCT.2023 13:26:58

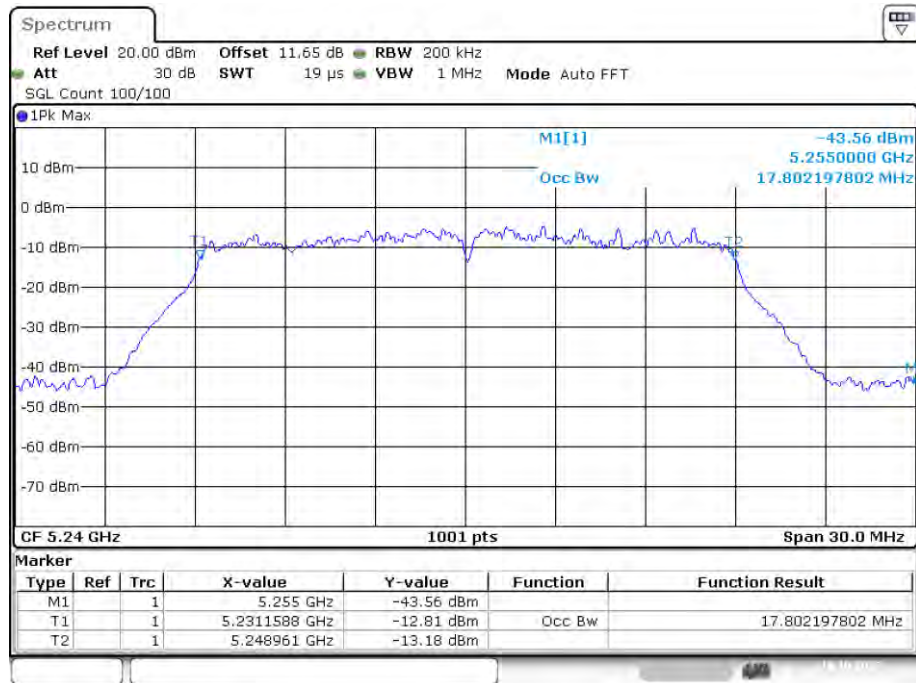
## OBW NVNT ac20 5180MHz Ant1



## OBW NVNT ac20 5200MHz Ant1

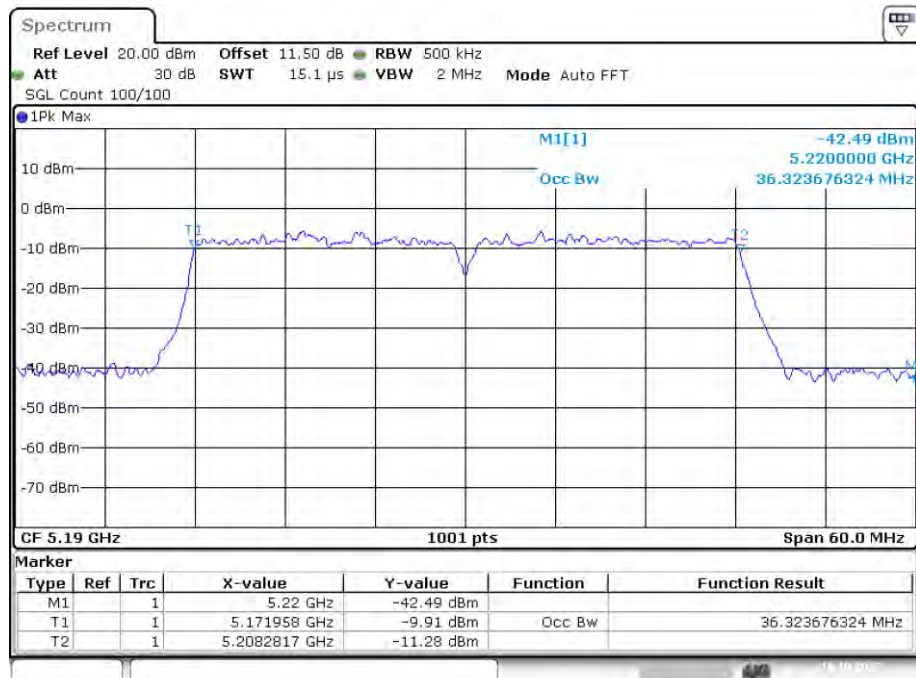


## OBW NVNT ac20 5240MHz Ant1



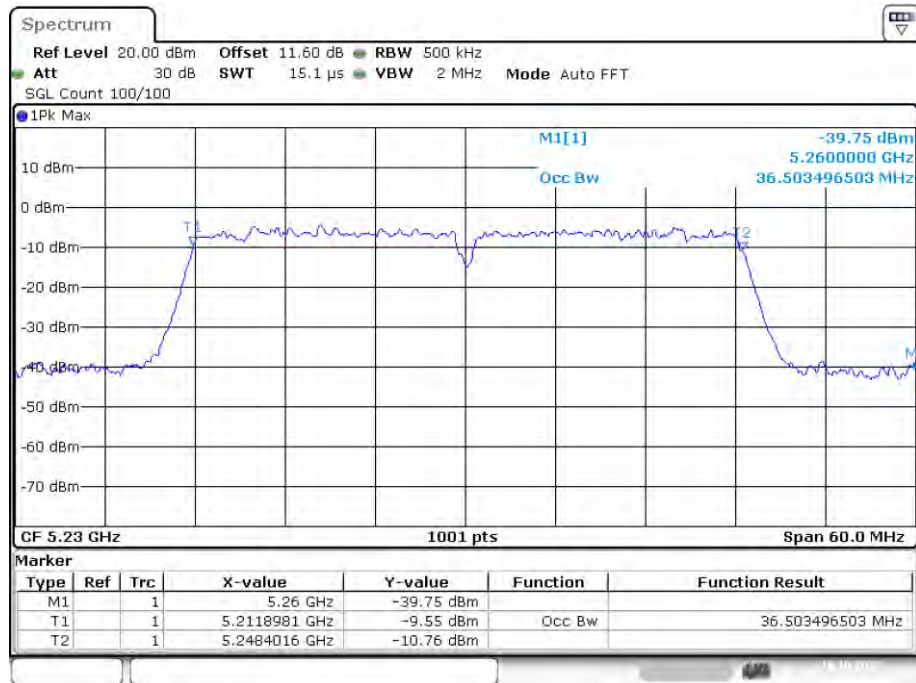
Date: 19.OCT.2023 15:24:03

## OBW NVNT ac40 5190MHz Ant1



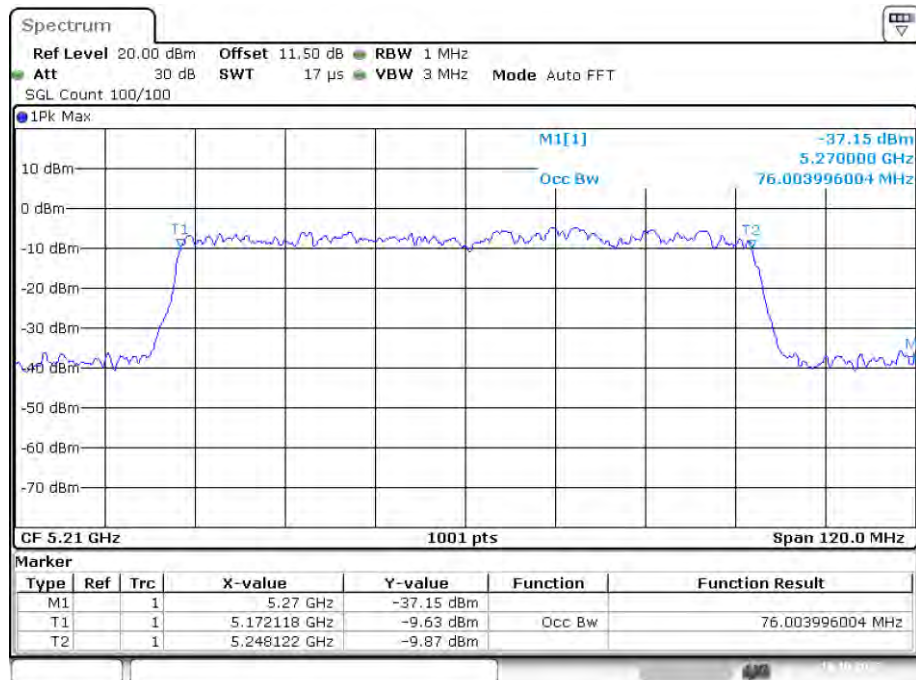
Date: 19.OCT.2023 15:31:35

## OBW NVNT ac40 5230MHz Ant1



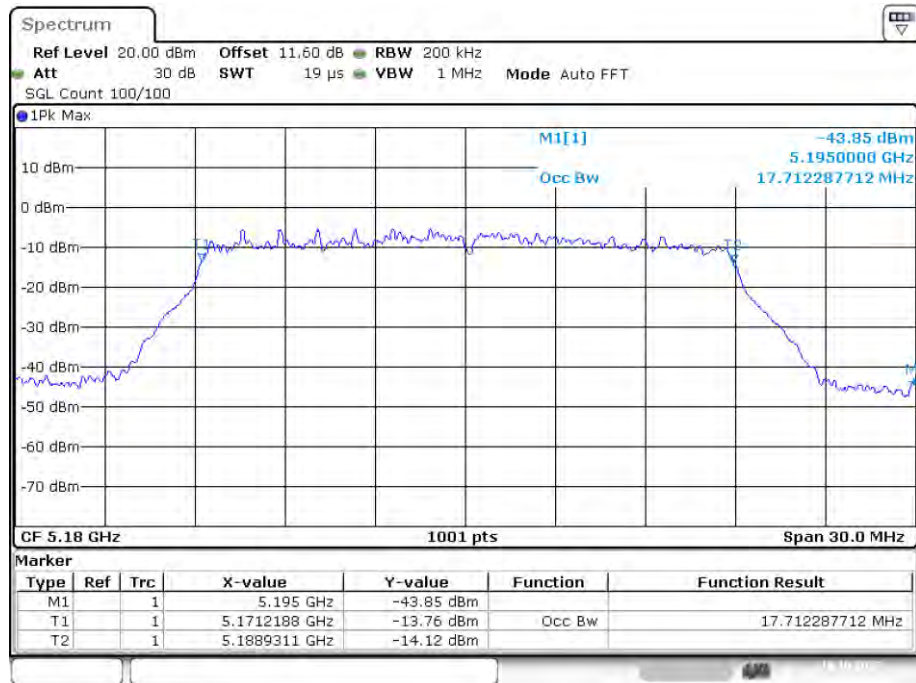
Date: 19.OCT.2023 15:36:29

## OBW NVNT ac80 5210MHz Ant1

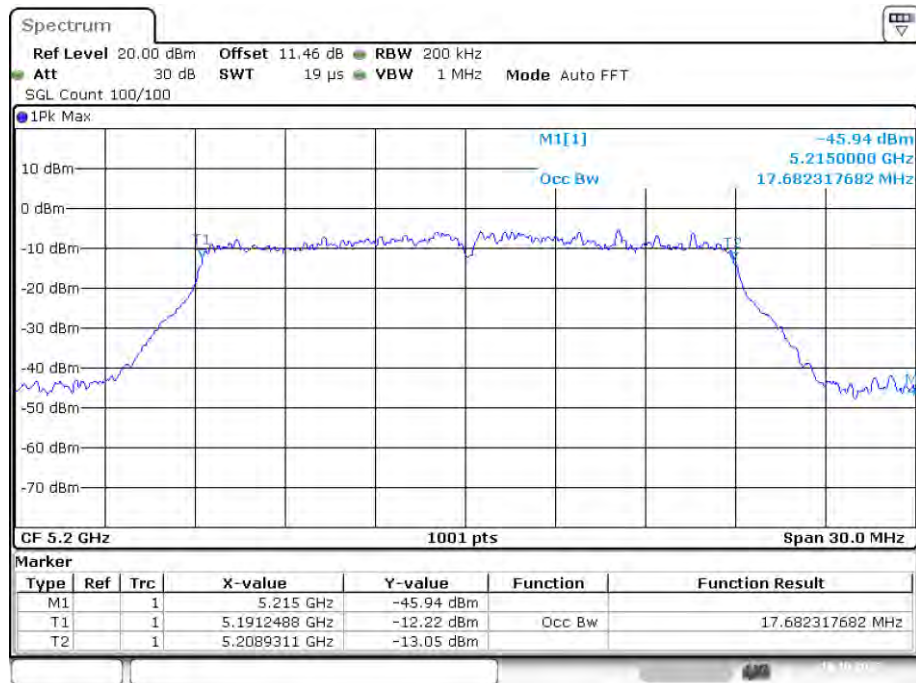


Date: 19.OCT.2023 15:46:26

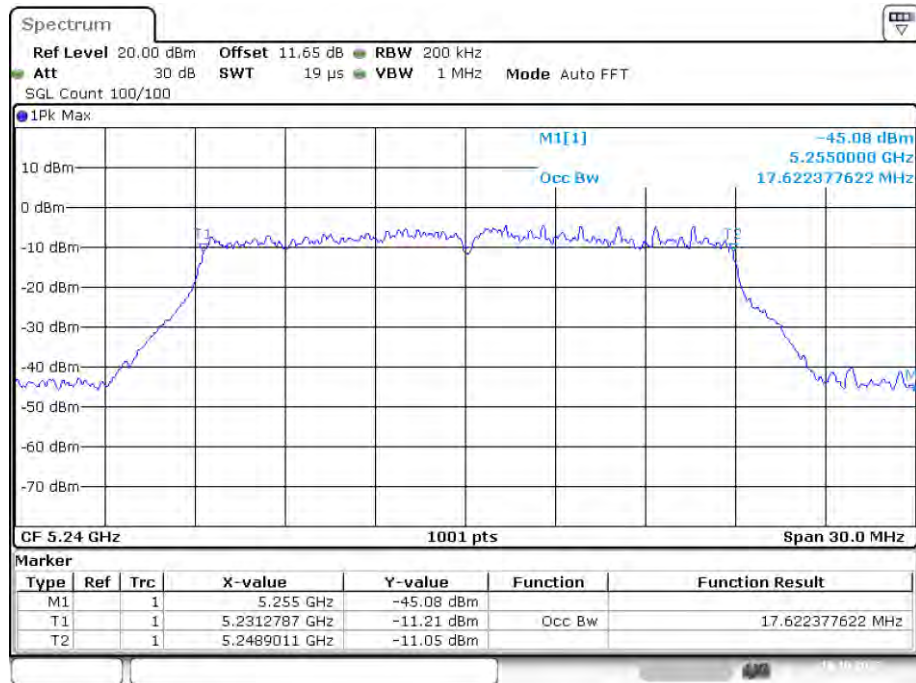
## OBW NVNT n20 5180MHz Ant1



## OBW NVNT n20 5200MHz Ant1

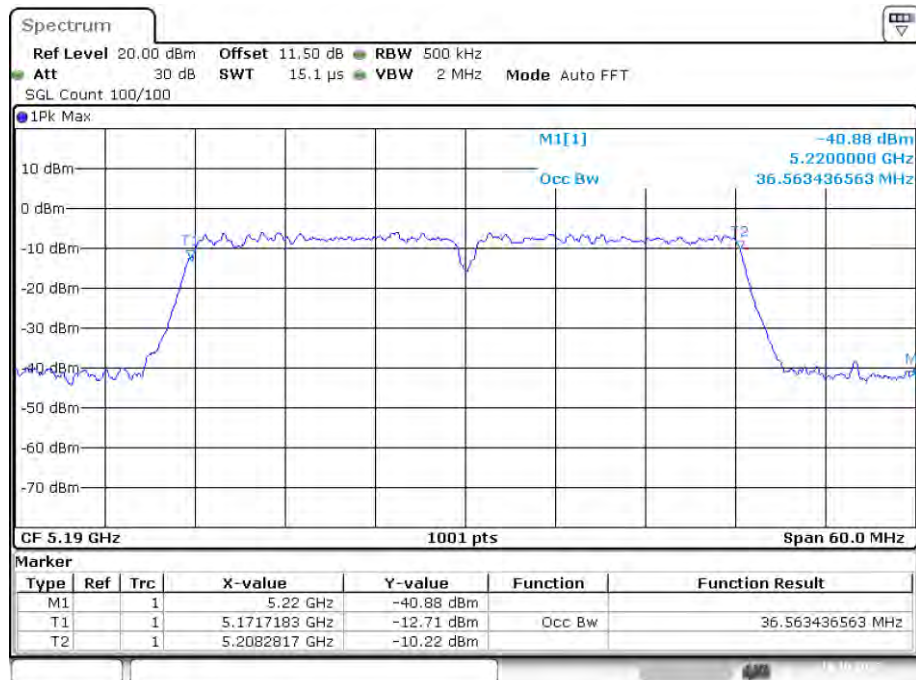


## OBW NVNT n20 5240MHz Ant1



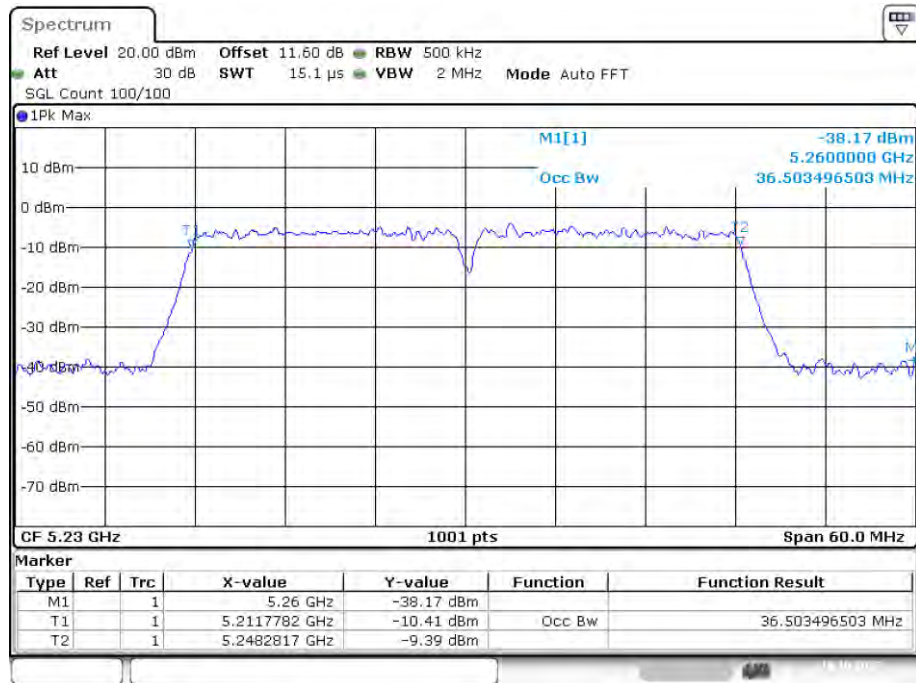
Date: 19.OCT.2023 14:48:15

## OBW NVNT n40 5190MHz Ant1



Date: 19.OCT.2023 15:01:35

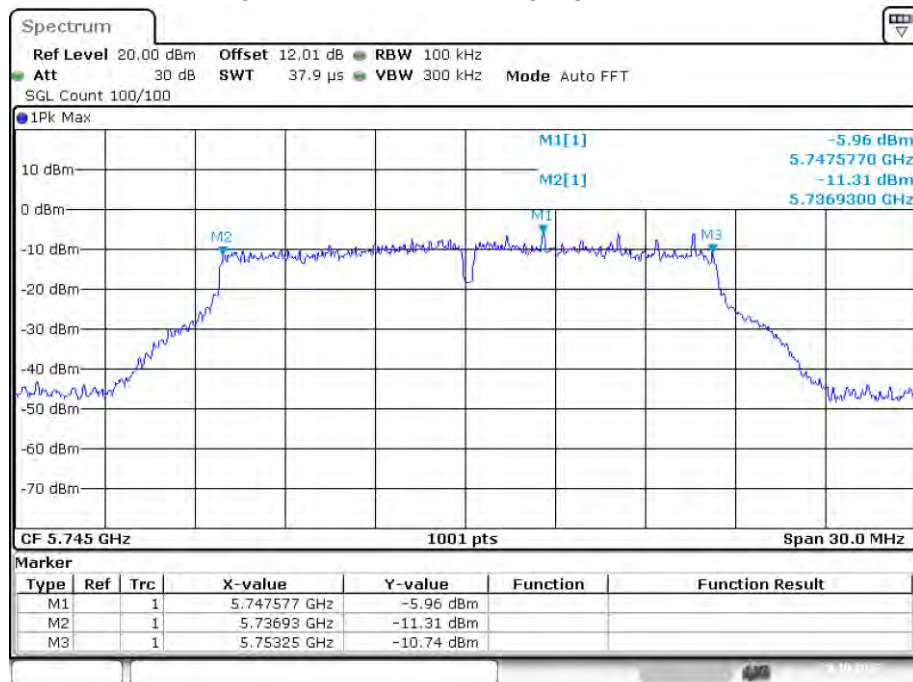
## OBW NVNT n40 5230MHz Ant1



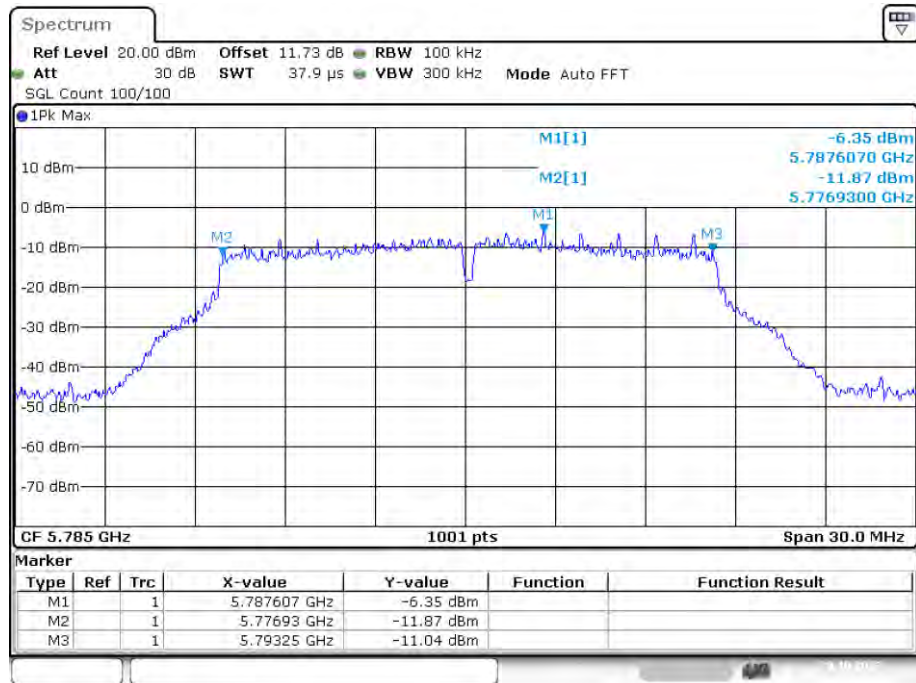
Date: 19.OCT.2023 15:08:49

**Band 4 (5725-5850 MHz):****-6dB Bandwidth**

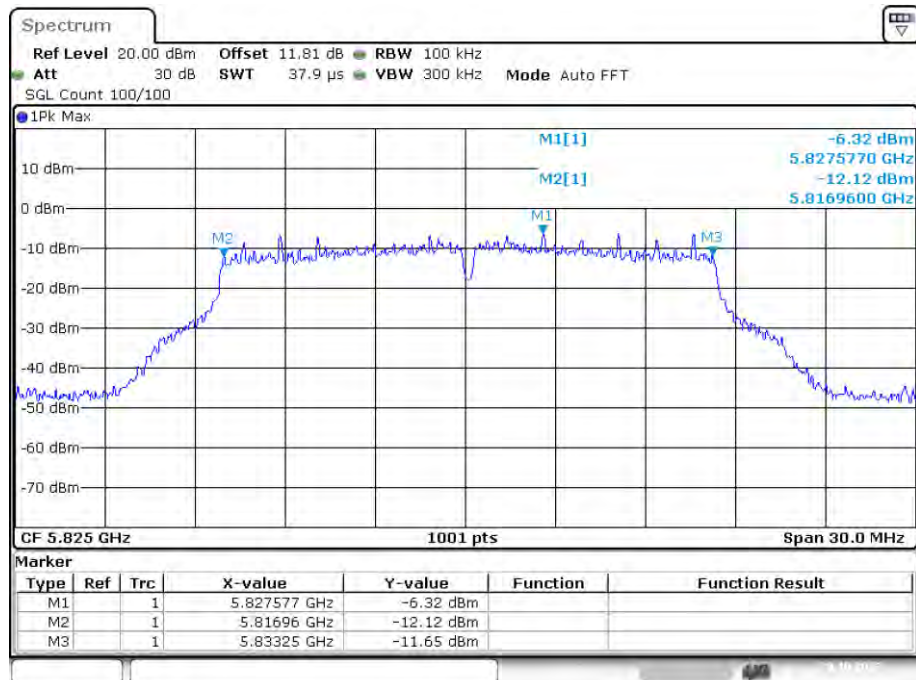
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.32                 | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.32                 | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.29                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.55                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.61                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.64                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 36.36                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 36.3                  | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 75.72                 | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.79                 | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.55                 | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.58                 | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 36.42                 | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 36.3                  | 0.5                         | Pass    |

**-6dB Bandwidth NVNT a 5745MHz Ant1**

Date: 20.OCT.2023 04:45:46

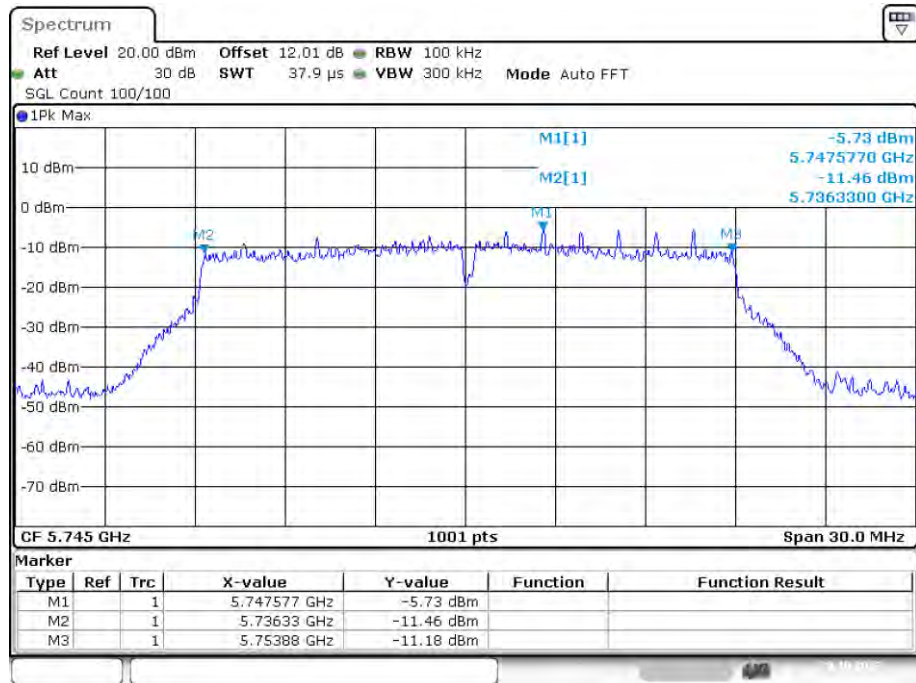
**-6dB Bandwidth NVNT a 5785MHz Ant1**

Date: 20.OCT.2023 04:49:06

**-6dB Bandwidth NVNT a 5825MHz Ant1**

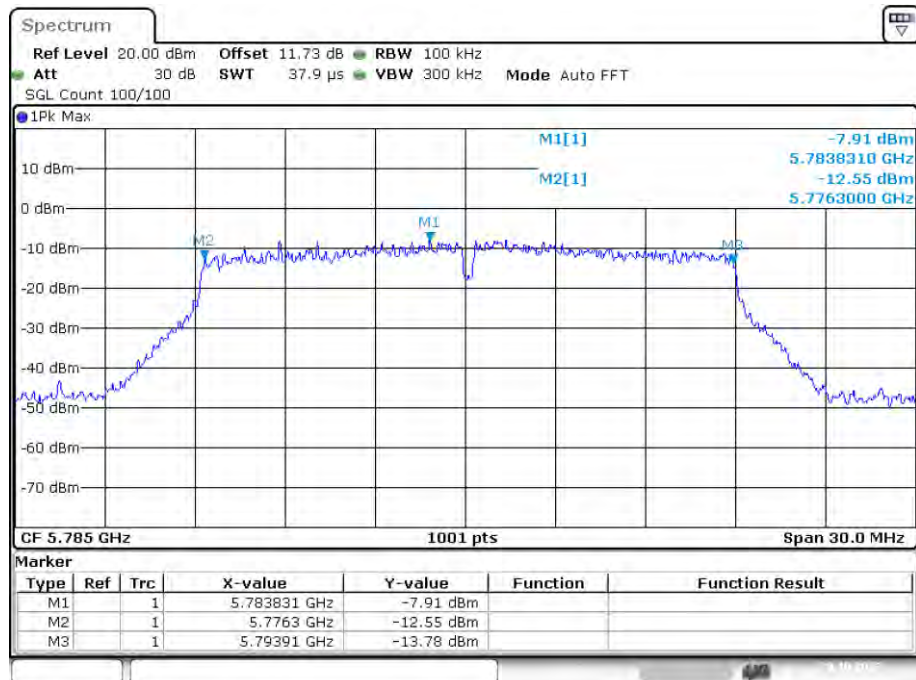
Date: 20.OCT.2023 04:53:19

## -6dB Bandwidth NVNT ac20 5745MHz Ant1



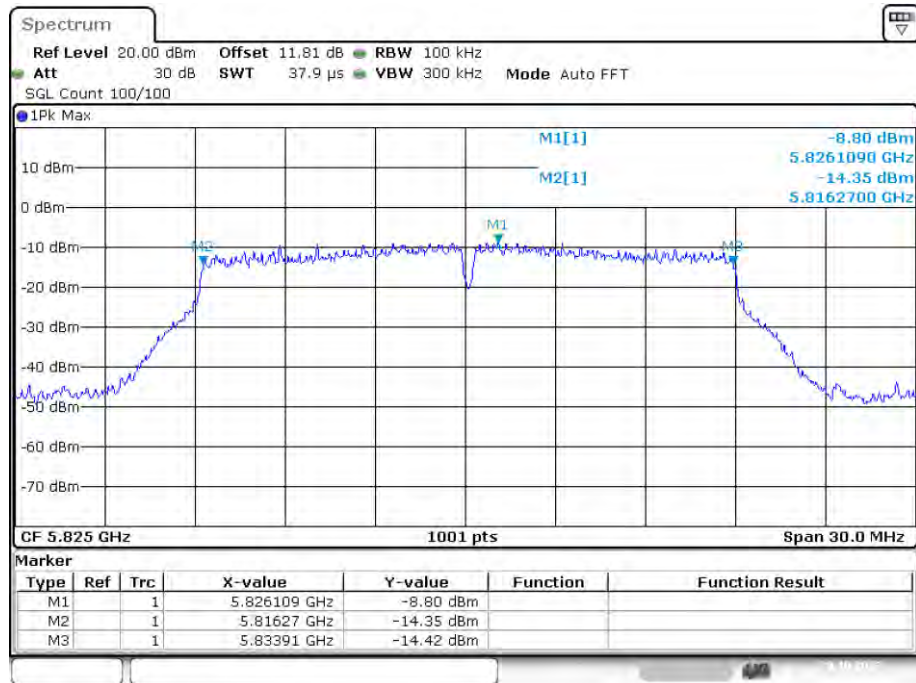
Date: 20.OCT.2023 05:27:15

## -6dB Bandwidth NVNT ac20 5785MHz Ant1



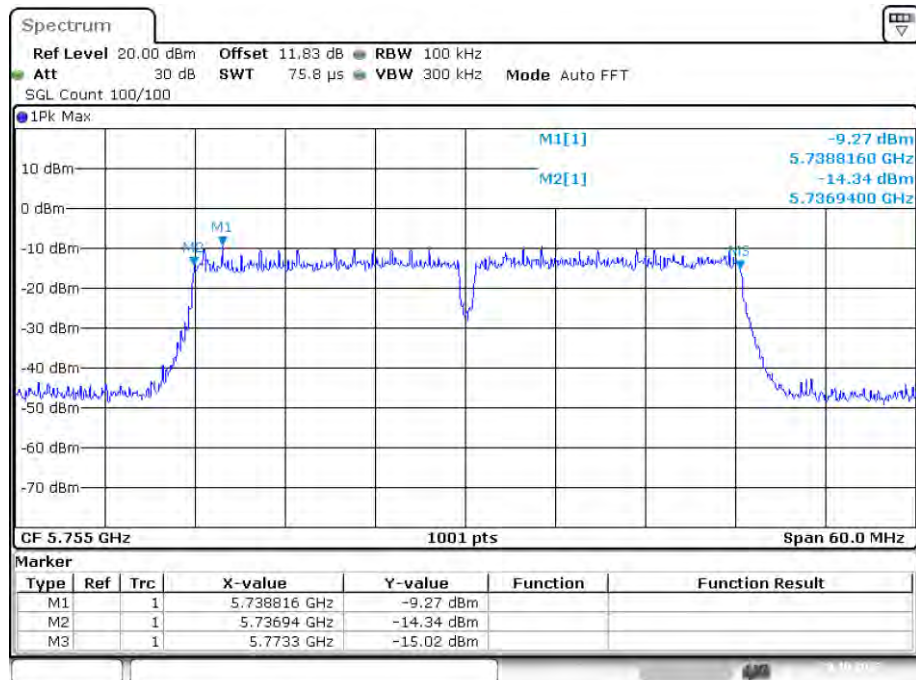
Date: 20.OCT.2023 05:35:07

## -6dB Bandwidth NVNT ac20 5825MHz Ant1



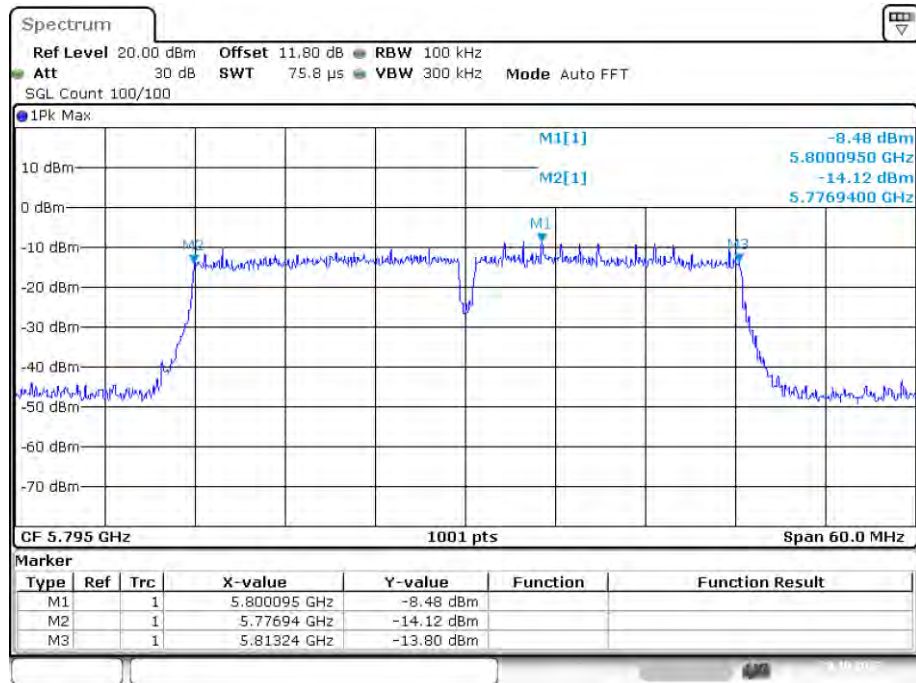
Date: 20.OCT.2023 05:38:58

## -6dB Bandwidth NVNT ac40 5755MHz Ant1



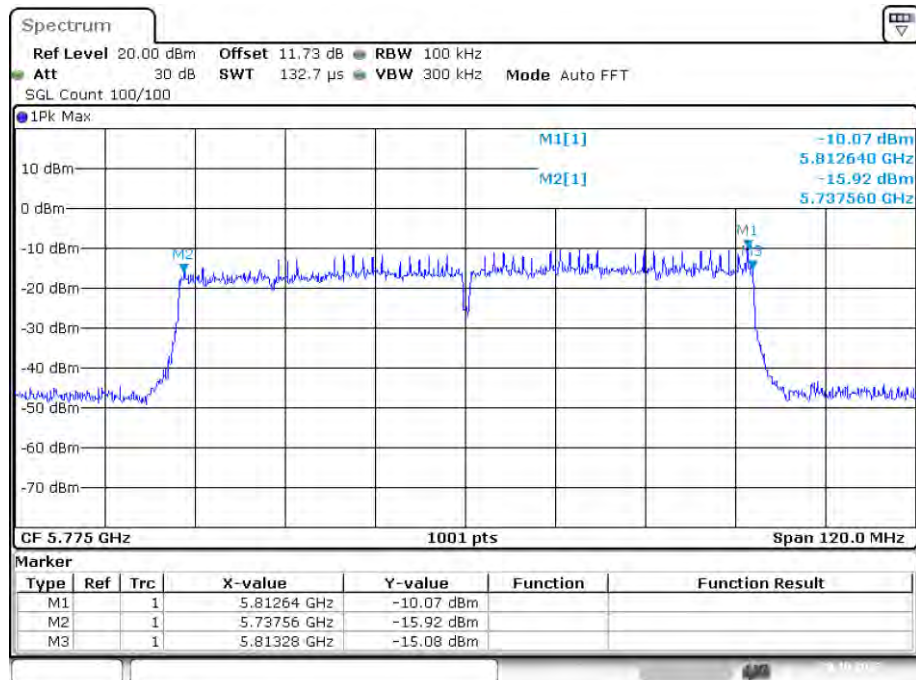
Date: 20.OCT.2023 06:16:53

## -6dB Bandwidth NVNT ac40 5795MHz Ant1

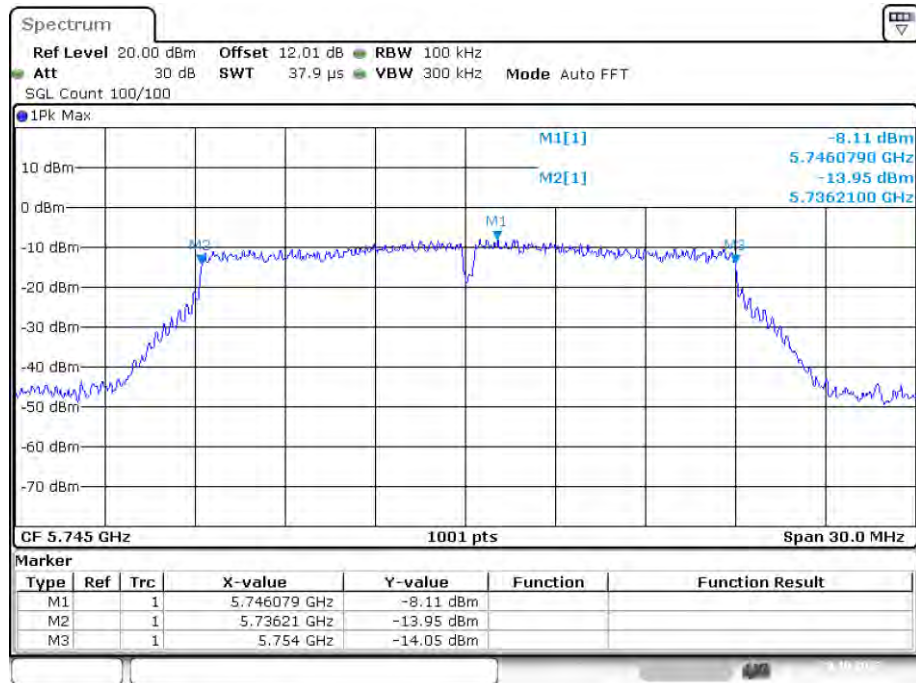


Date: 20.OCT.2023 06:45:18

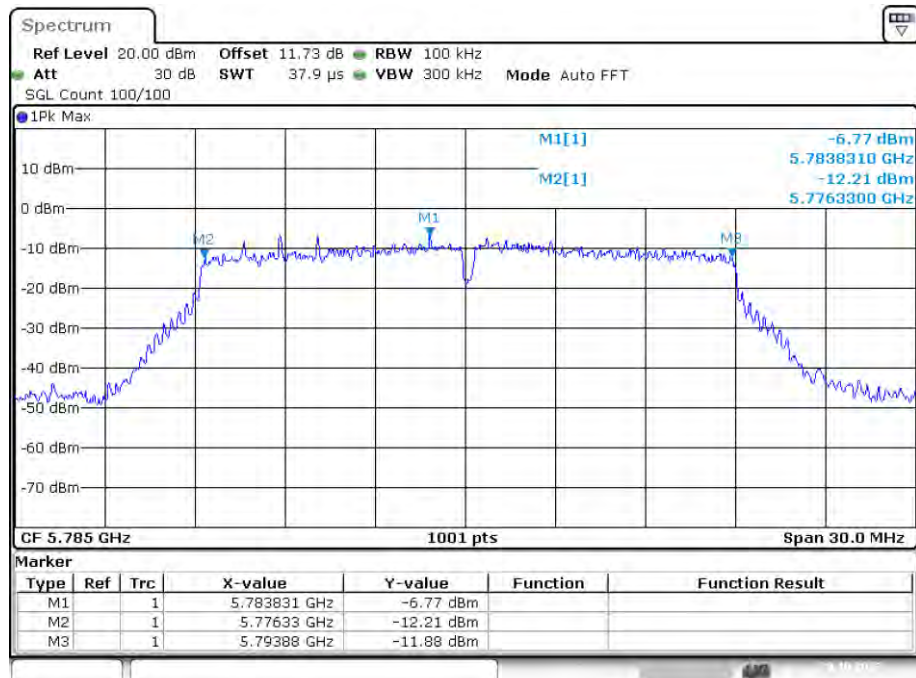
## -6dB Bandwidth NVNT ac80 5775MHz Ant1



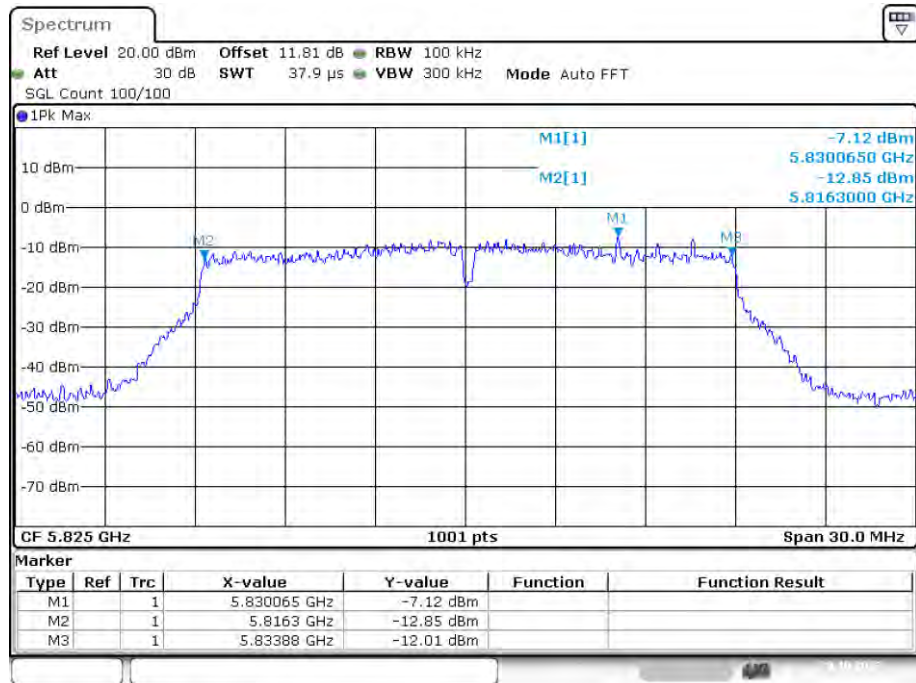
Date: 20.OCT.2023 06:53:19

**-6dB Bandwidth NVNT n20 5745MHz Ant1**

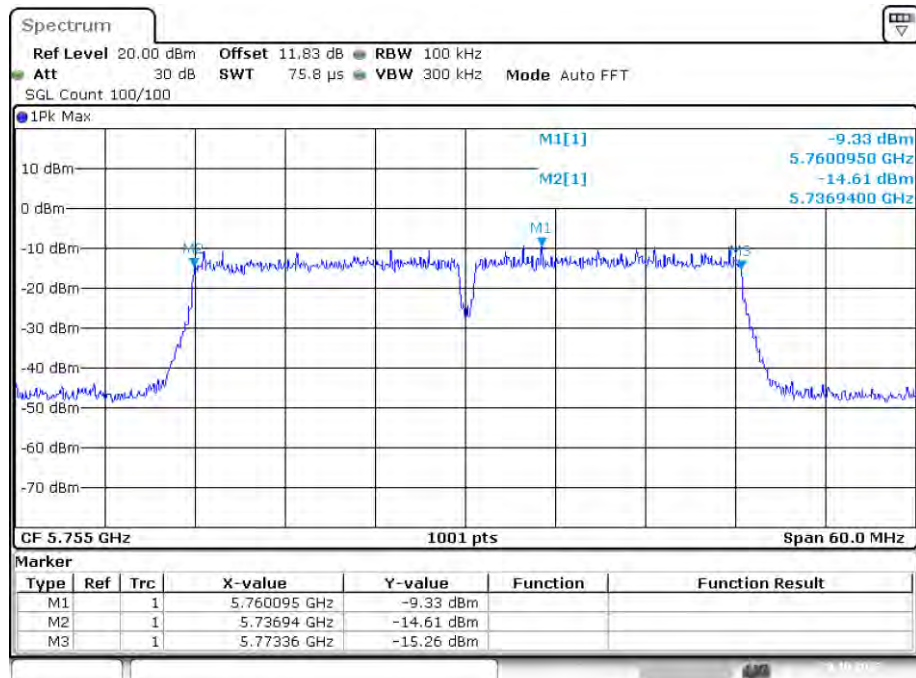
Date: 20.OCT.2023 05:04:54

**-6dB Bandwidth NVNT n20 5785MHz Ant1**

Date: 20.OCT.2023 05:09:15

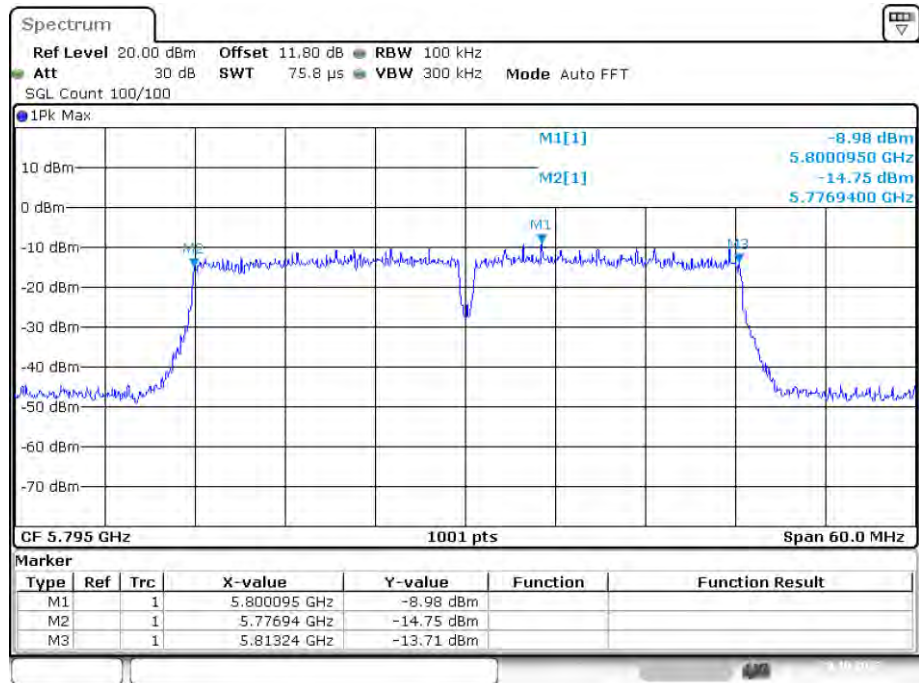
**-6dB Bandwidth NVNT n20 5825MHz Ant1**

Date: 20.OCT.2023 05:16:43

**-6dB Bandwidth NVNT n40 5755MHz Ant1**

Date: 20.OCT.2023 05:55:16

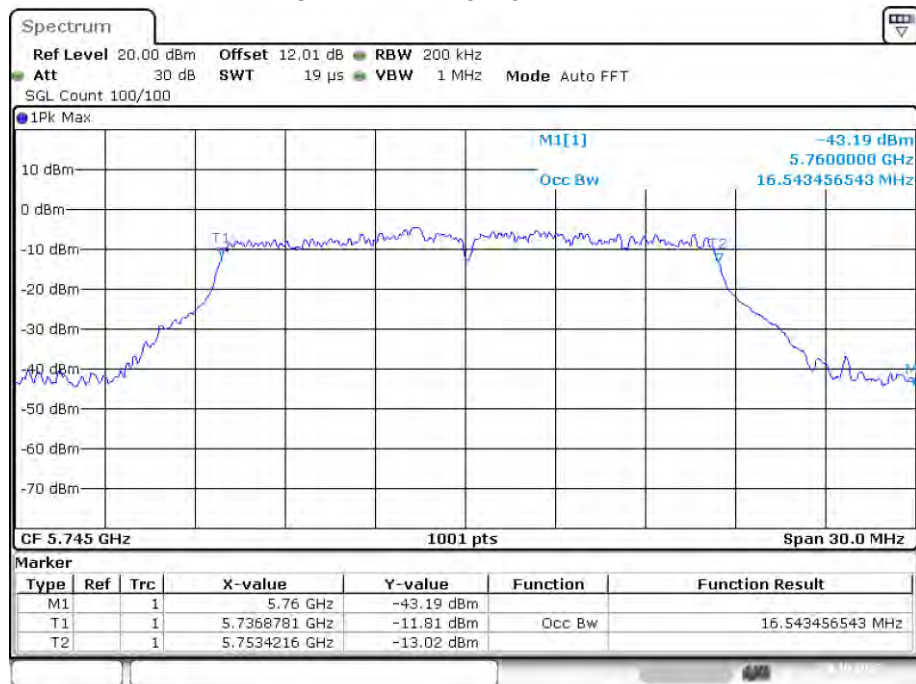
## -6dB Bandwidth NVNT n40 5795MHz Ant1



Date: 20.OCT.2023 06:11:23

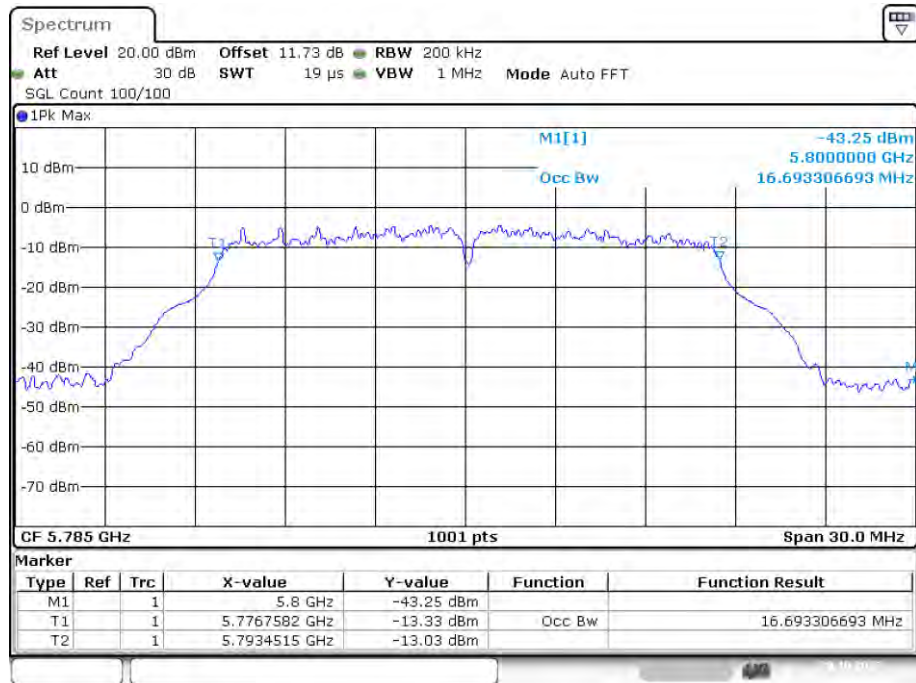
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.543        |
| NVNT      | a    | 5785            | Ant1    | 16.693        |
| NVNT      | a    | 5825            | Ant1    | 16.723        |
| NVNT      | ac20 | 5745            | Ant1    | 17.652        |
| NVNT      | ac20 | 5785            | Ant1    | 17.652        |
| NVNT      | ac20 | 5825            | Ant1    | 17.712        |
| NVNT      | ac40 | 5755            | Ant1    | 36.204        |
| NVNT      | ac40 | 5795            | Ant1    | 36.204        |
| NVNT      | ac80 | 5775            | Ant1    | 76.004        |
| NVNT      | n20  | 5745            | Ant1    | 17.682        |
| NVNT      | n20  | 5785            | Ant1    | 17.682        |
| NVNT      | n20  | 5825            | Ant1    | 17.772        |
| NVNT      | n40  | 5755            | Ant1    | 36.324        |
| NVNT      | n40  | 5795            | Ant1    | 36.264        |

OBW NVNT a 5745MHz Ant1



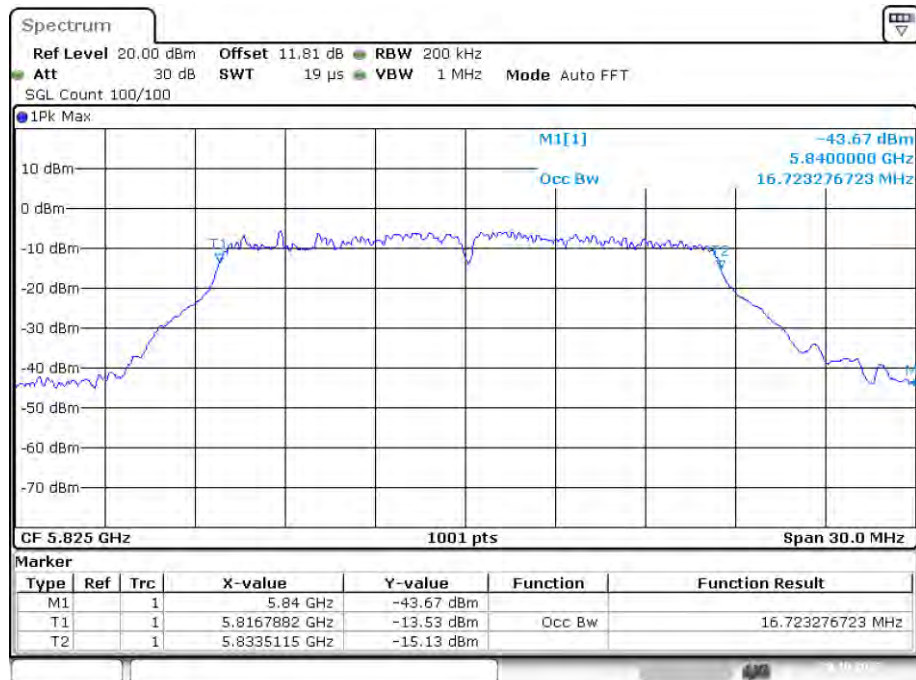
Date: 20.OCT.2023 04:45:37

## OBW NVNT a 5785MHz Ant1



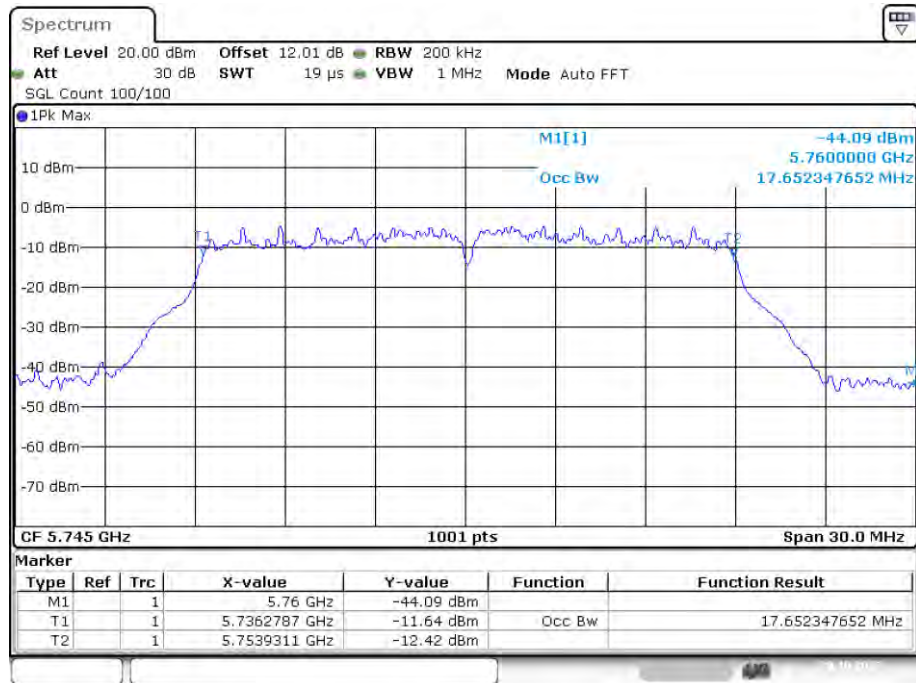
Date: 20.OCT.2023 04:48:56

## OBW NVNT a 5825MHz Ant1



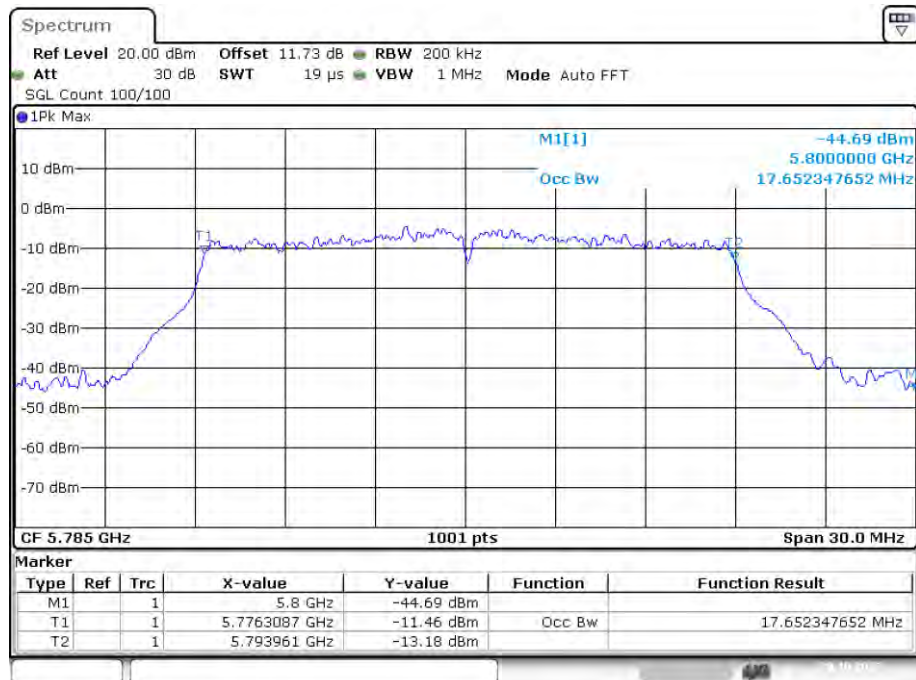
Date: 20.OCT.2023 04:53:07

## OBW NVNT ac20 5745MHz Ant1



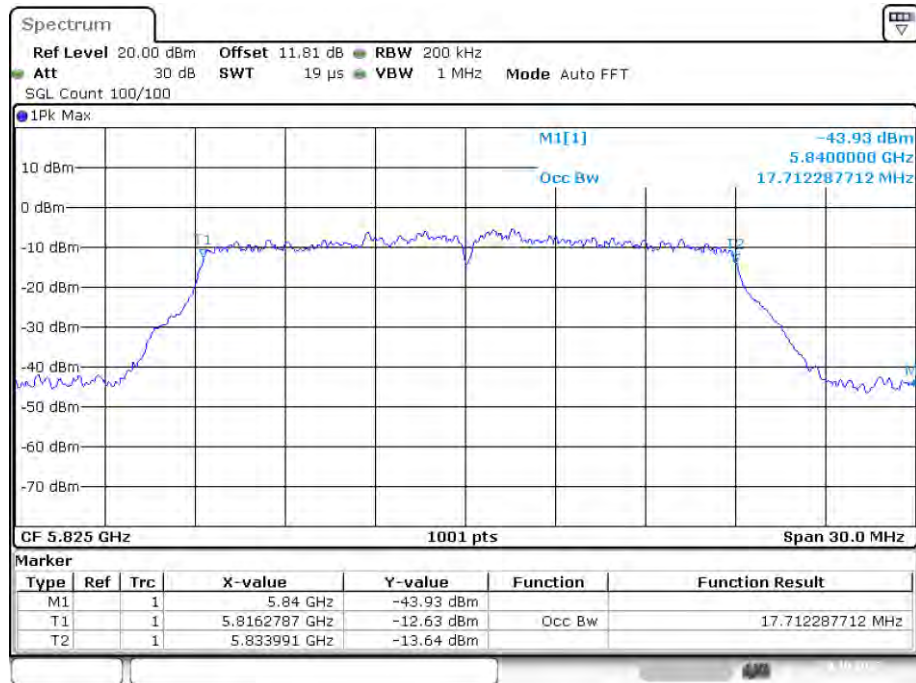
Date: 20.OCT.2023 05:26:59

## OBW NVNT ac20 5785MHz Ant1



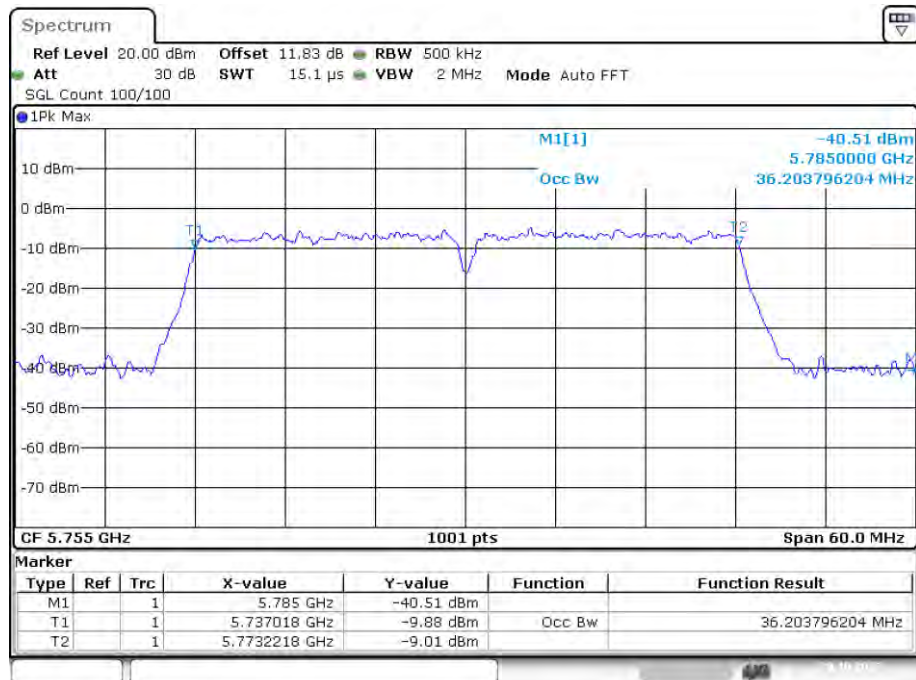
Date: 20.OCT.2023 05:34:46

## OBW NVNT ac20 5825MHz Ant1



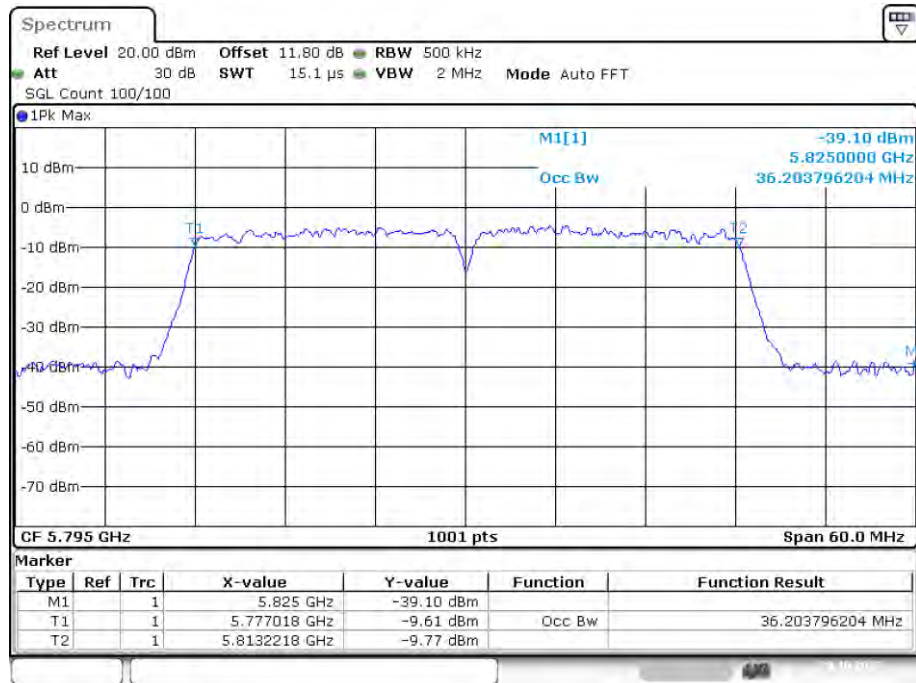
Date: 20.OCT.2023 05:38:39

## OBW NVNT ac40 5755MHz Ant1



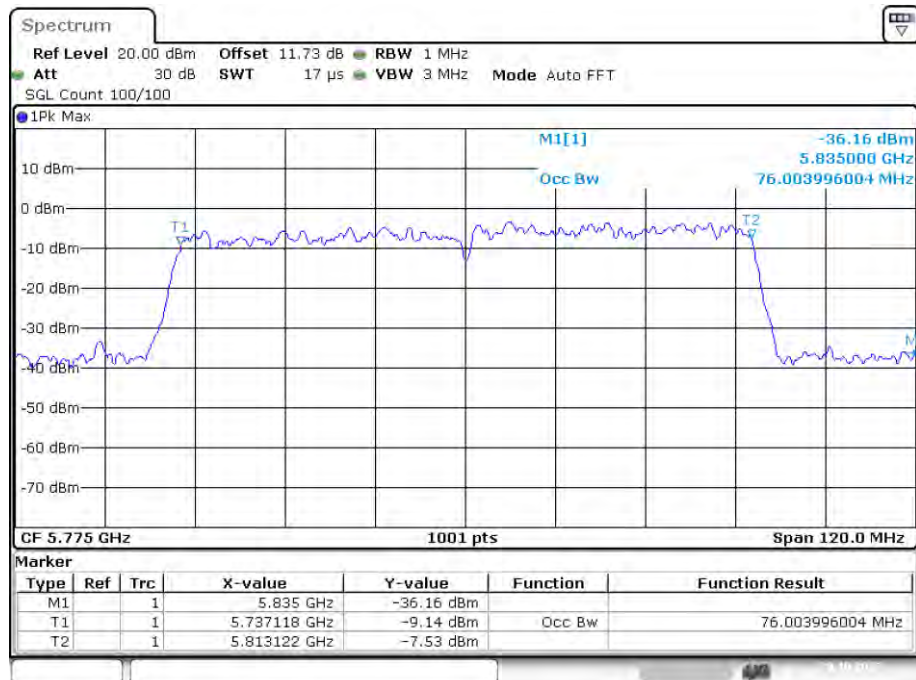
Date: 20.OCT.2023 06:16:34

## OBW NVNT ac40 5795MHz Ant1



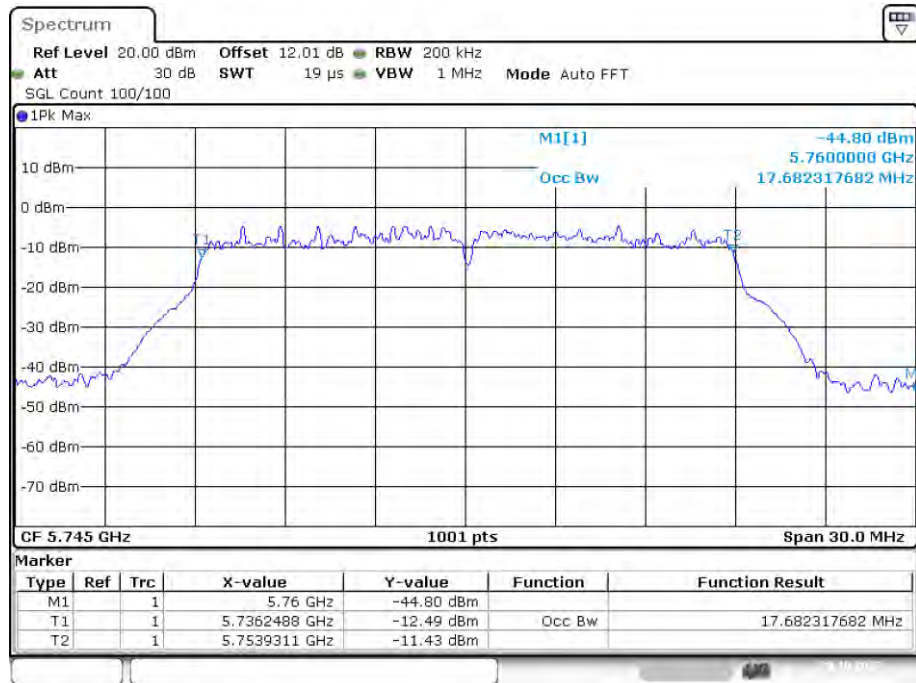
Date: 20.OCT.2023 06:44:57

## OBW NVNT ac80 5775MHz Ant1



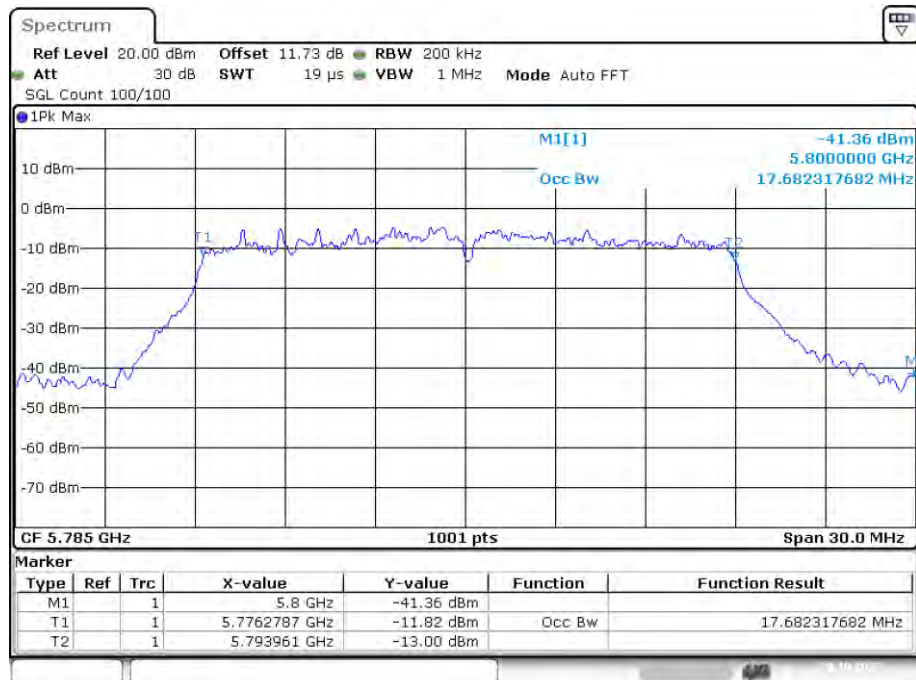
Date: 20.OCT.2023 06:53:08

## OBW NVNT n20 5745MHz Ant1



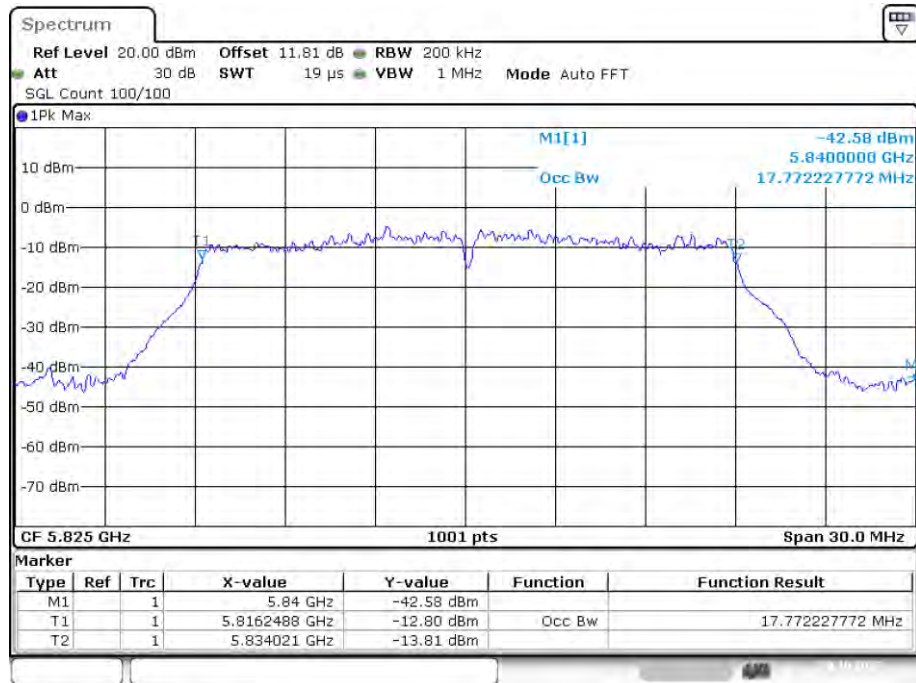
Date: 20.OCT.2023 05:04:41

## OBW NVNT n20 5785MHz Ant1



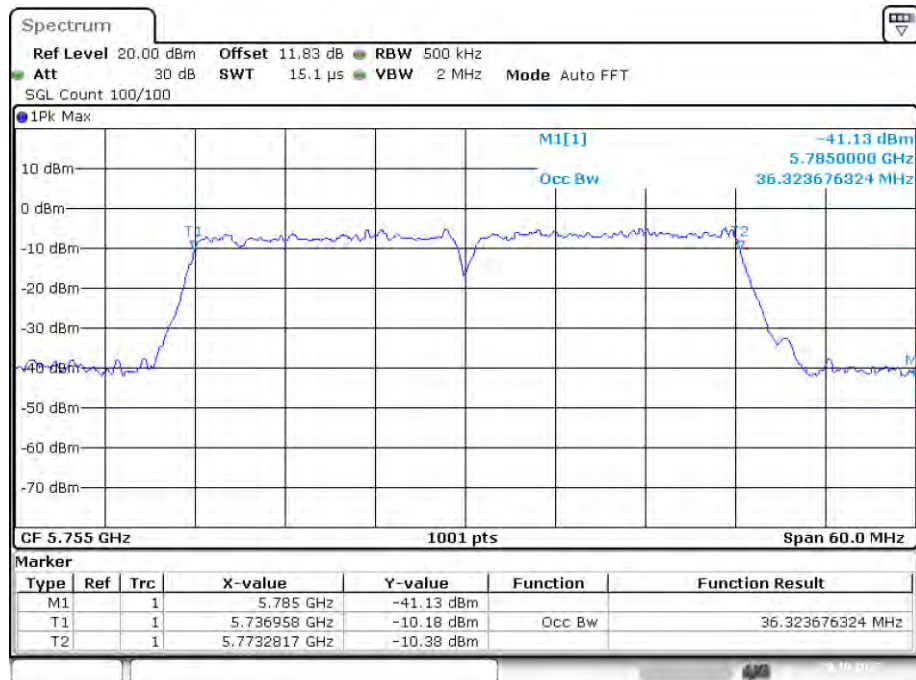
Date: 20.OCT.2023 05:09:02

## OBW NVNT n20 5825MHz Ant1



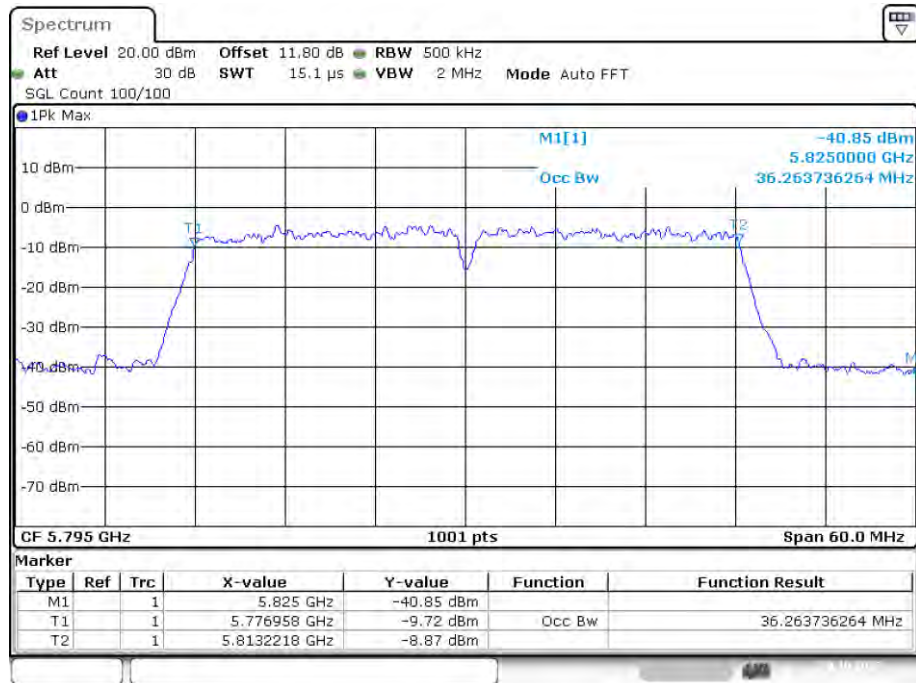
Date: 20.OCT.2023 05:16:28

## OBW NVNT n40 5755MHz Ant1



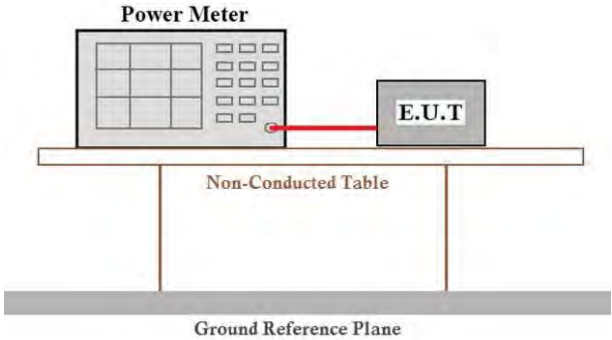
Date: 20.OCT.2023 05:54:50

## OBW NVNT n40 5795MHz Ant1



Date: 20.OCT.2023 06:11:05

#### 4.4 Max Transmit Power

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 E Section 15.407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Method:      | KDB 789033 D02 General UNII Test Procedures New Rules v02r01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Limit:            | For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW.<br>For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test setup:       |  <p>The diagram illustrates the test setup. A 'Power Meter' is connected to an 'E.U.T.' (Equipment Under Test) by a red cable. Both the Power Meter and the E.U.T. are positioned on a 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test procedure:   | <p><b>Measurement using an RF average power meter</b></p> <ul style="list-style-type: none"> <li>(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied <ul style="list-style-type: none"> <li>a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.</li> <li>b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.</li> <li>c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.</li> </ul> </li> <li>(ii) If the transmitter does not transmit continuously, measure the duty cycle, <math>x</math>, of the transmitter output signal as described in section B).</li> <li>(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.</li> <li>(iv) Adjust the measurement in dBm by adding <math>10 \log(1/x)</math> where <math>x</math> is the duty cycle (e.g., <math>10 \log(1/0.25)</math> if the duty cycle is 25 percent).</li> </ul> |
| Test Instruments: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Measurement Data****Band 1 (5150-5250 MHz)**

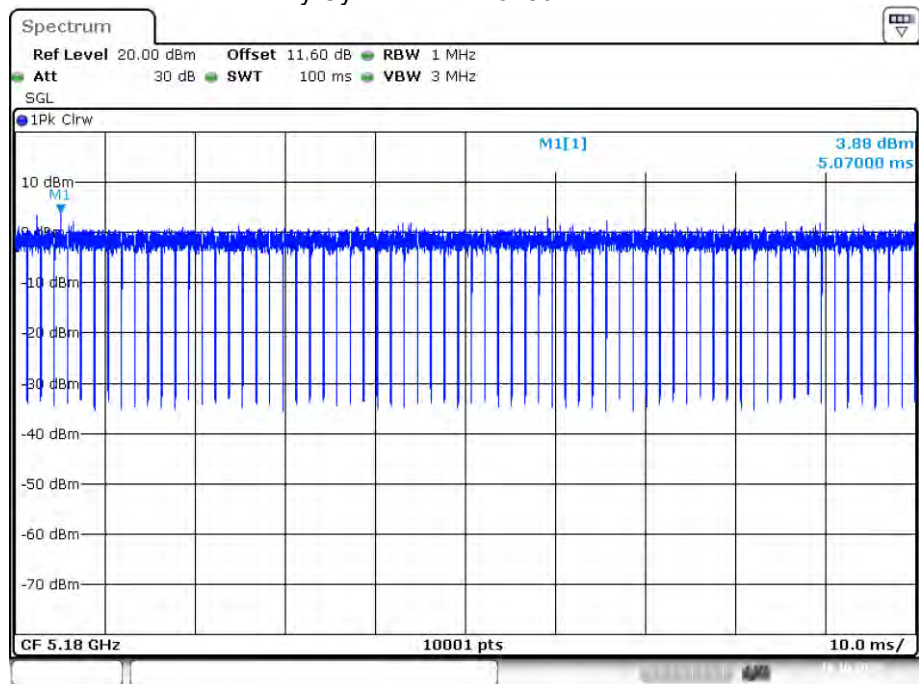
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 13.144                | 0                | 13.144            | 24          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 13.711                | 0                | 13.711            | 24          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 14.441                | 0                | 14.441            | 24          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 12.321                | 0                | 12.321            | 24          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 12.665                | 0                | 12.665            | 24          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 13.644                | 0                | 13.644            | 24          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 13.165                | 0                | 13.165            | 24          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 14.007                | 0                | 14.007            | 24          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 13.101                | 0                | 13.101            | 24          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 13.065                | 0                | 13.065            | 24          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 13.309                | 0                | 13.309            | 24          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 13.814                | 0                | 13.814            | 24          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 13.795                | 0                | 13.795            | 24          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 14.3                  | 0                | 14.3              | 24          | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant2    | 13.512                | 0                | 13.512            | 24          | Pass    |
| NVNT      | a    | 5200            | Ant2    | 13.496                | 0                | 13.496            | 24          | Pass    |
| NVNT      | a    | 5240            | Ant2    | 13.395                | 0                | 13.395            | 24          | Pass    |
| NVNT      | ac20 | 5180            | Ant2    | 12.682                | 0                | 12.682            | 24          | Pass    |
| NVNT      | ac20 | 5200            | Ant2    | 13.184                | 0                | 13.184            | 24          | Pass    |
| NVNT      | ac20 | 5240            | Ant2    | 13.239                | 0                | 13.239            | 24          | Pass    |
| NVNT      | ac40 | 5190            | Ant2    | 13.619                | 0                | 13.619            | 24          | Pass    |
| NVNT      | ac40 | 5230            | Ant2    | 13.779                | 0                | 13.779            | 24          | Pass    |
| NVNT      | ac80 | 5210            | Ant2    | 13.506                | 0                | 13.506            | 24          | Pass    |
| NVNT      | n20  | 5180            | Ant2    | 13.605                | 0                | 13.605            | 24          | Pass    |
| NVNT      | n20  | 5200            | Ant2    | 13.381                | 0                | 13.381            | 24          | Pass    |
| NVNT      | n20  | 5240            | Ant2    | 13.296                | 0                | 13.296            | 24          | Pass    |
| NVNT      | n40  | 5190            | Ant2    | 13.457                | 0                | 13.457            | 24          | Pass    |
| NVNT      | n40  | 5230            | Ant2    | 13.981                | 0                | 13.981            | 24          | Pass    |

| Duty Cycle=100% |      |                 |         |                       |                  |                   |             |         |
|-----------------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| Condition       | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
| NVNT            | ac20 | 5180            | MIMO    | 15.52                 | 0                | 15.52             | 24          | Pass    |
| NVNT            | ac20 | 5200            | MIMO    | 15.94                 | 0                | 15.94             | 24          | Pass    |
| NVNT            | ac20 | 5240            | MIMO    | 16.46                 | 0                | 16.46             | 24          | Pass    |
| NVNT            | ac40 | 5190            | MIMO    | 16.41                 | 0                | 16.41             | 24          | Pass    |
| NVNT            | ac40 | 5230            | MIMO    | 16.90                 | 0                | 16.90             | 24          | Pass    |
| NVNT            | ac80 | 5210            | MIMO    | 16.32                 | 0                | 16.32             | 24          | Pass    |
| NVNT            | n20  | 5180            | MIMO    | 16.35                 | 0                | 16.35             | 24          | Pass    |
| NVNT            | n20  | 5200            | MIMO    | 16.36                 | 0                | 16.36             | 24          | Pass    |
| NVNT            | n20  | 5240            | MIMO    | 16.57                 | 0                | 16.57             | 24          | Pass    |
| NVNT            | n40  | 5190            | MIMO    | 16.64                 | 0                | 16.64             | 24          | Pass    |
| NVNT            | n40  | 5230            | MIMO    | 17.15                 | 0                | 17.15             | 24          | Pass    |

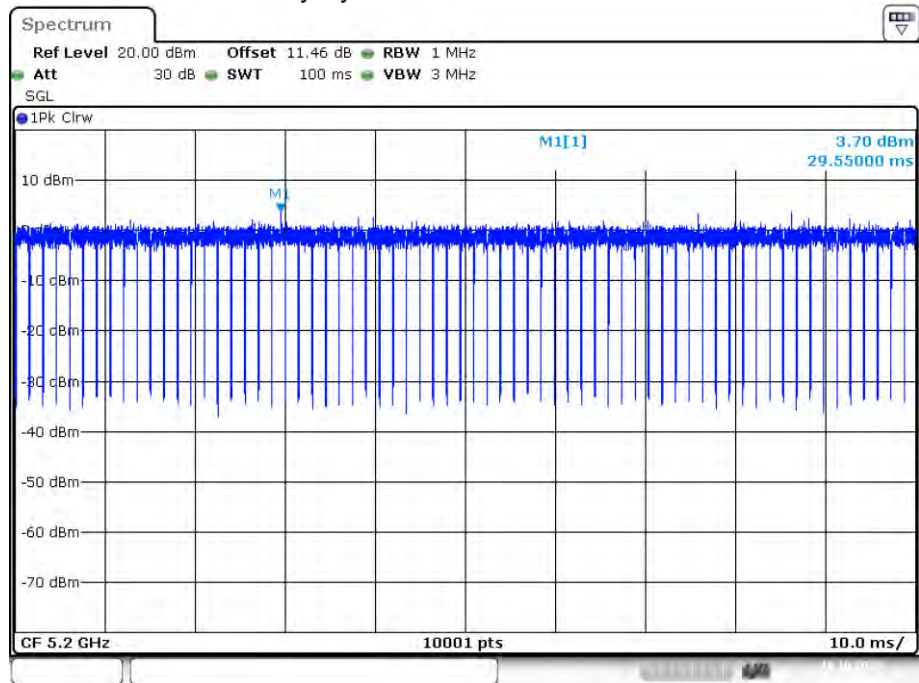
**Duty Cycle**

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) |
|-----------|------|-----------------|---------|----------------|
| NVNT      | a    | 5180            | Ant1    | 100            |
| NVNT      | a    | 5200            | Ant1    | 100            |
| NVNT      | a    | 5240            | Ant1    | 100            |
| NVNT      | ac20 | 5180            | Ant1    | 100            |
| NVNT      | ac20 | 5200            | Ant1    | 100            |
| NVNT      | ac20 | 5240            | Ant1    | 100            |
| NVNT      | ac40 | 5190            | Ant1    | 100            |
| NVNT      | ac40 | 5230            | Ant1    | 100            |
| NVNT      | ac80 | 5210            | Ant1    | 100            |
| NVNT      | n20  | 5180            | Ant1    | 100            |
| NVNT      | n20  | 5200            | Ant1    | 100            |
| NVNT      | n20  | 5240            | Ant1    | 100            |
| NVNT      | n40  | 5190            | Ant1    | 100            |
| NVNT      | n40  | 5230            | Ant1    | 100            |

**Duty Cycle NVNT a 5180MHz Ant1**

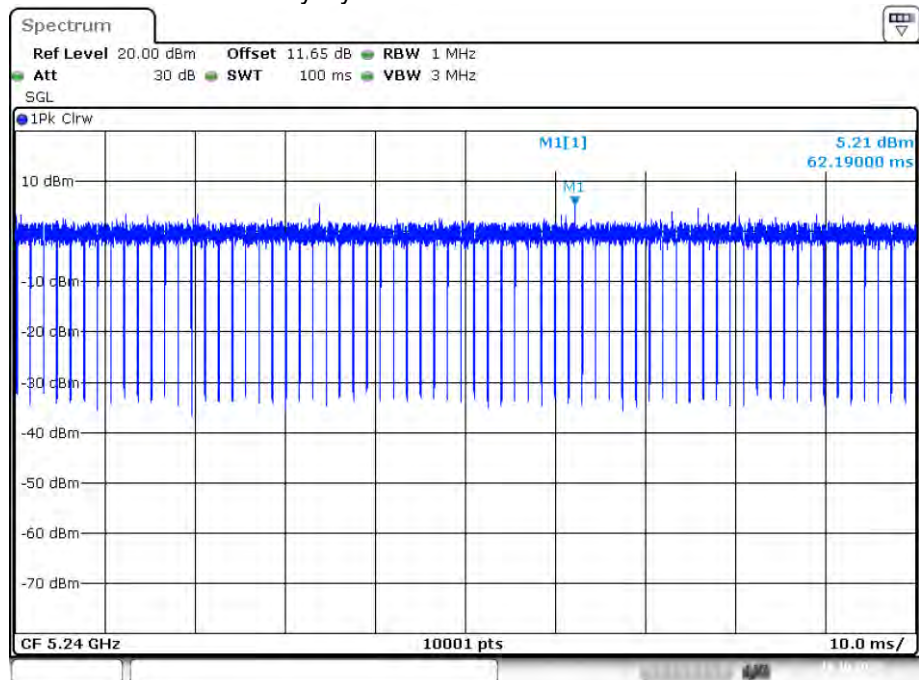
Date: 19.OCT.2023 13:16:29

## Duty Cycle NVNT a 5200MHz Ant1



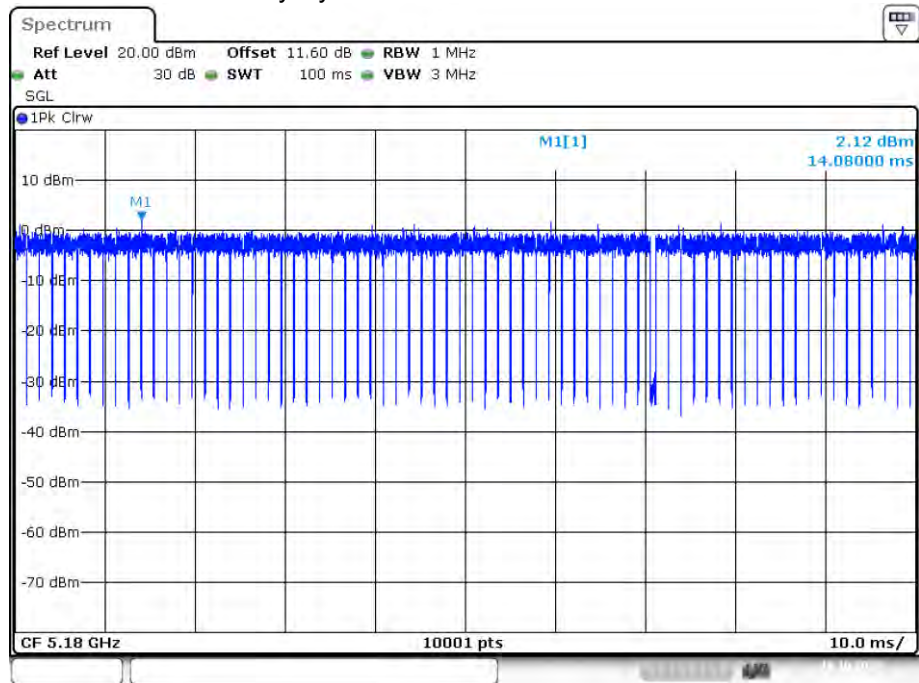
Date: 19.OCT.2023 13:20:26

## Duty Cycle NVNT a 5240MHz Ant1



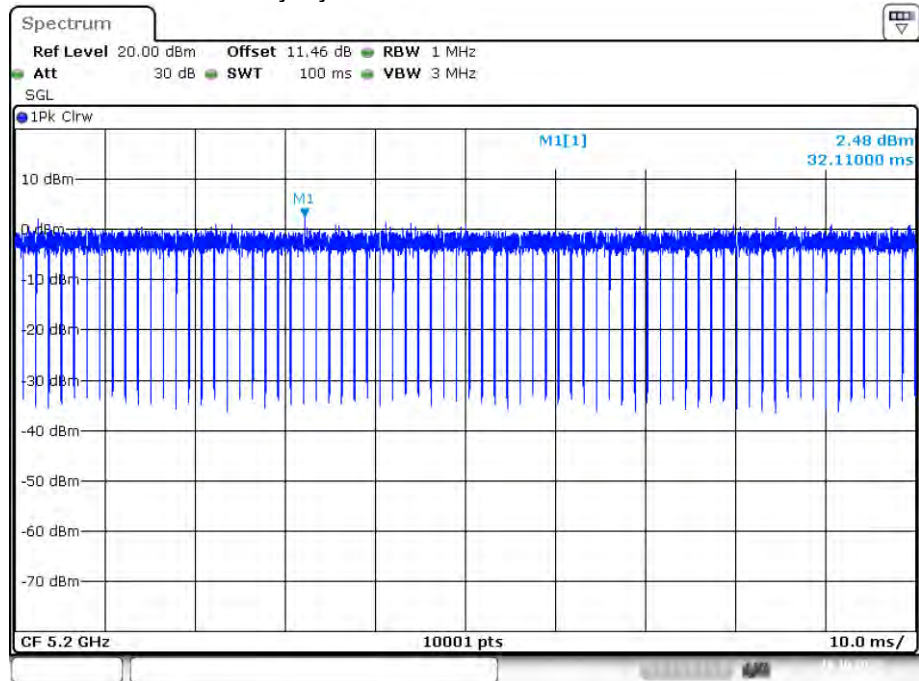
Date: 19.OCT.2023 13:26:30

## Duty Cycle NVNT ac20 5180MHz Ant1



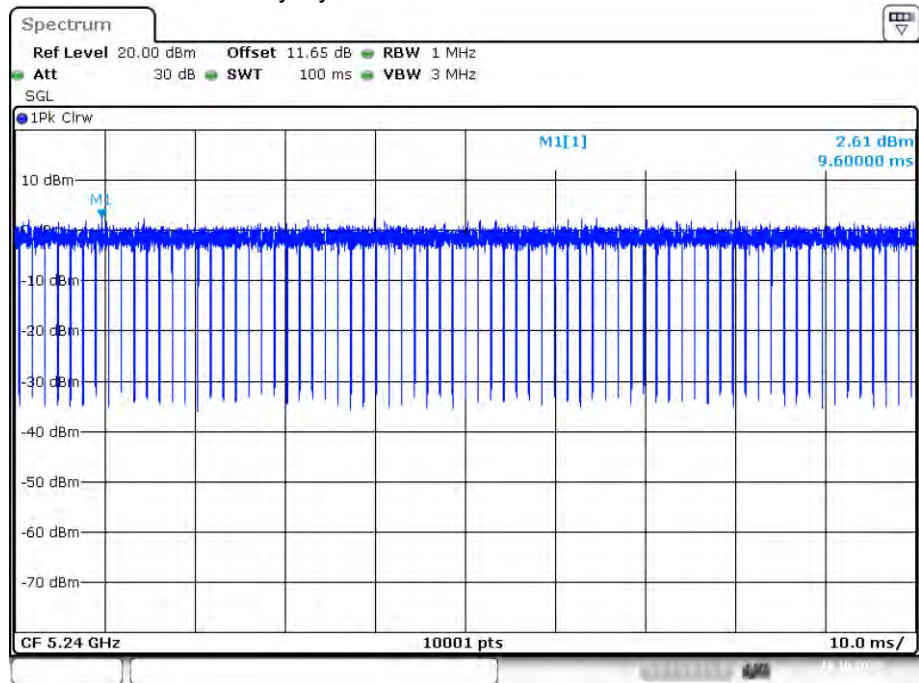
Date: 19.OCT.2023 15:13:23

## Duty Cycle NVNT ac20 5200MHz Ant1



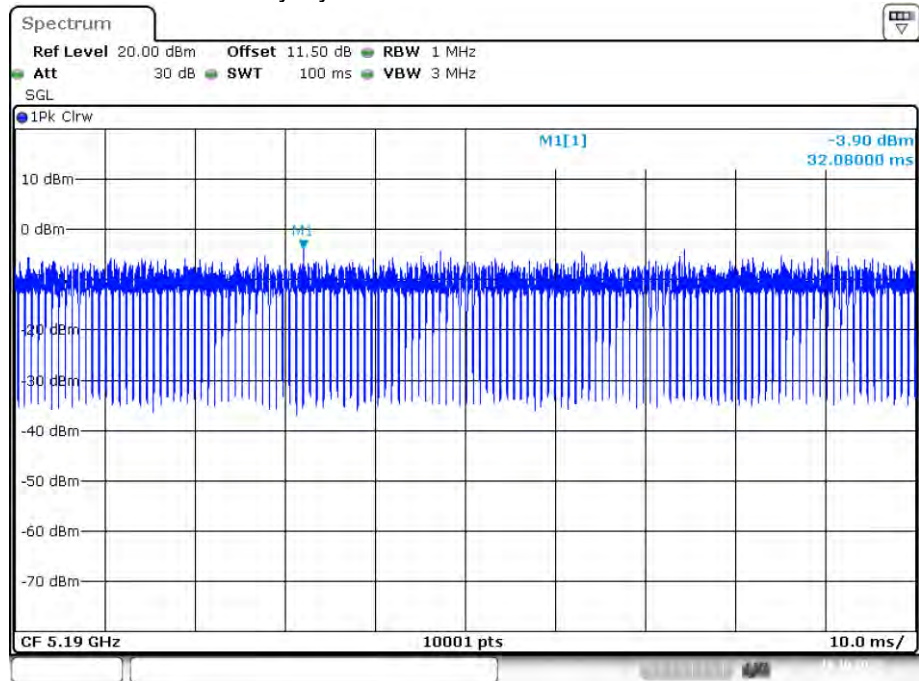
Date: 19.OCT.2023 15:18:08

## Duty Cycle NVNT ac20 5240MHz Ant1



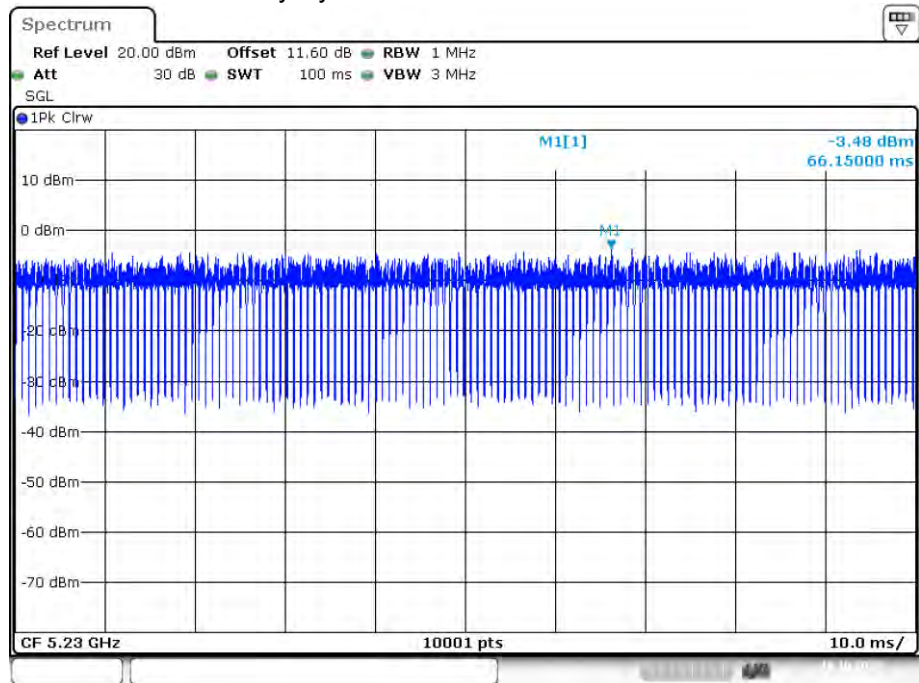
Date: 19.OCT.2023 15:23:22

## Duty Cycle NVNT ac40 5190MHz Ant1

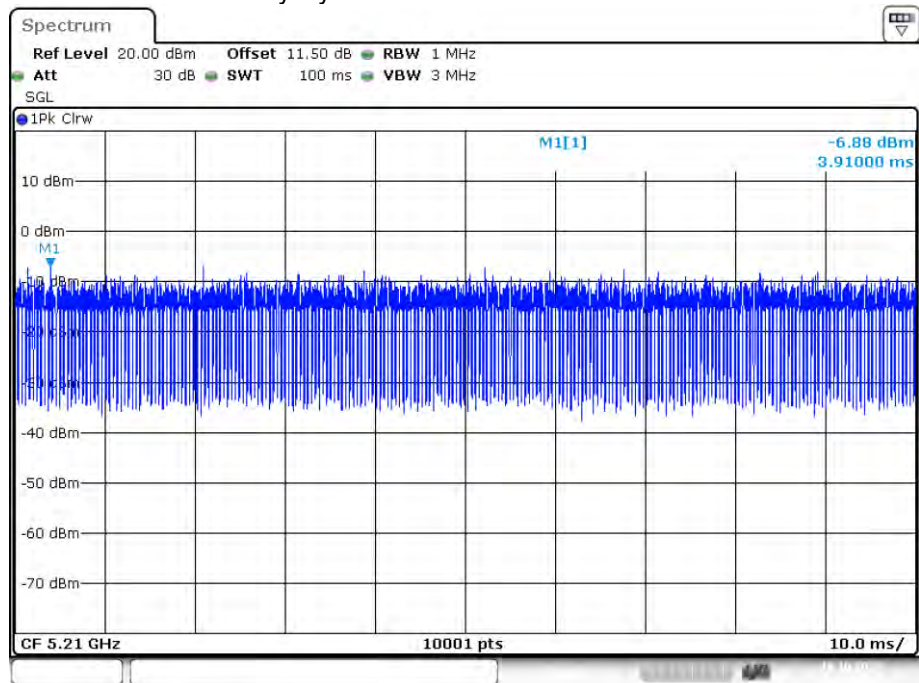


Date: 19.OCT.2023 15:30:49

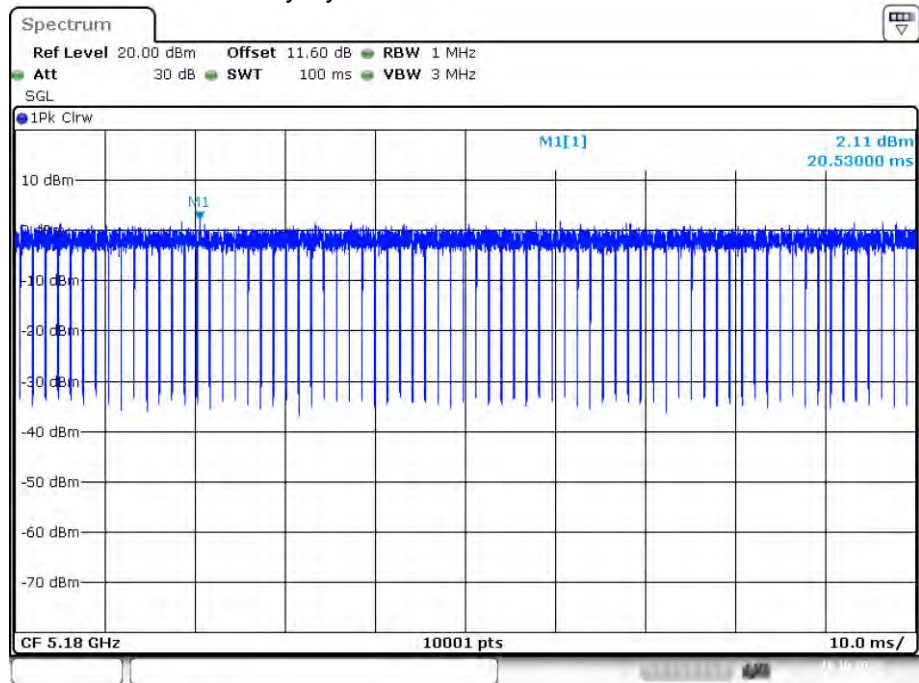
## Duty Cycle NVNT ac40 5230MHz Ant1



## Duty Cycle NVNT ac80 5210MHz Ant1

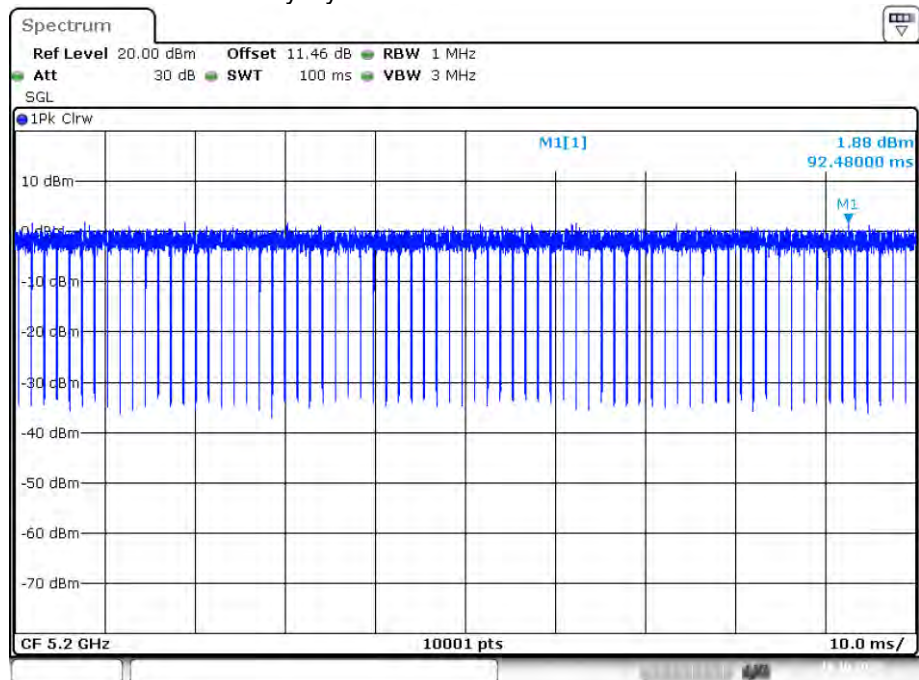


## Duty Cycle NVNT n20 5180MHz Ant1



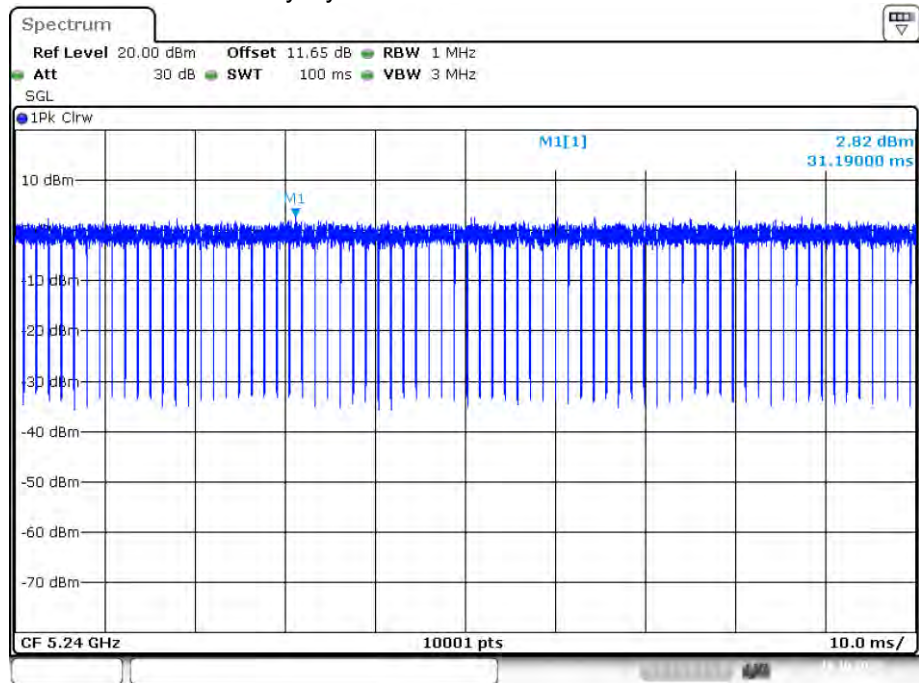
Date: 19.OCT.2023 14:36:34

## Duty Cycle NVNT n20 5200MHz Ant1



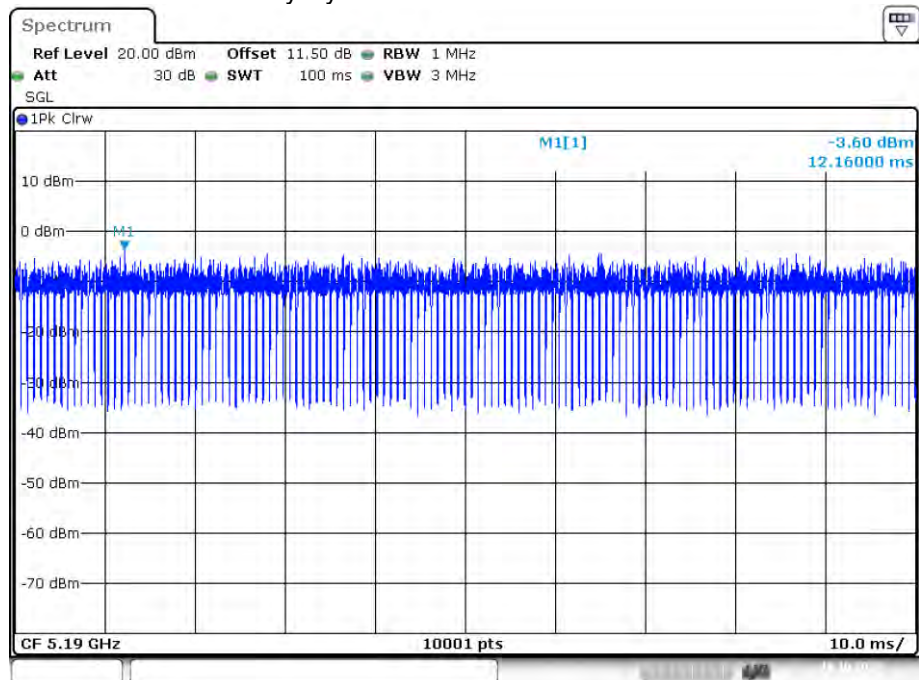
Date: 19.OCT.2023 14:40:41

## Duty Cycle NVNT n20 5240MHz Ant1



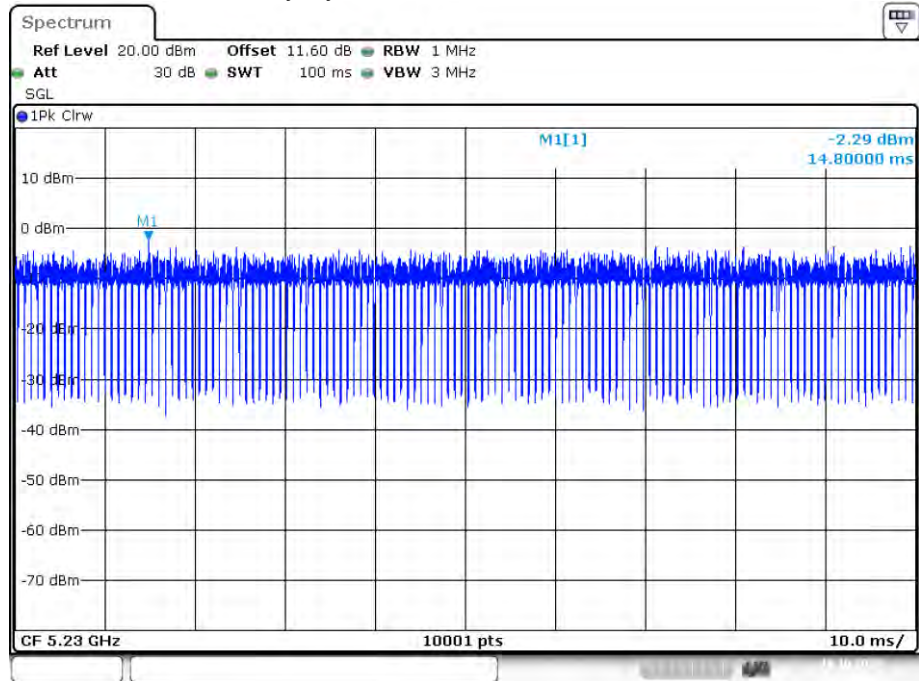
Date: 19.OCT.2023 14:47:37

## Duty Cycle NVNT n40 5190MHz Ant1



Date: 19.OCT.2023 15:00:53

## Duty Cycle NVNT n40 5230MHz Ant1



Date: 19.OCT.2023 15:06:02

**Band 4 (5725-5850 MHz):**

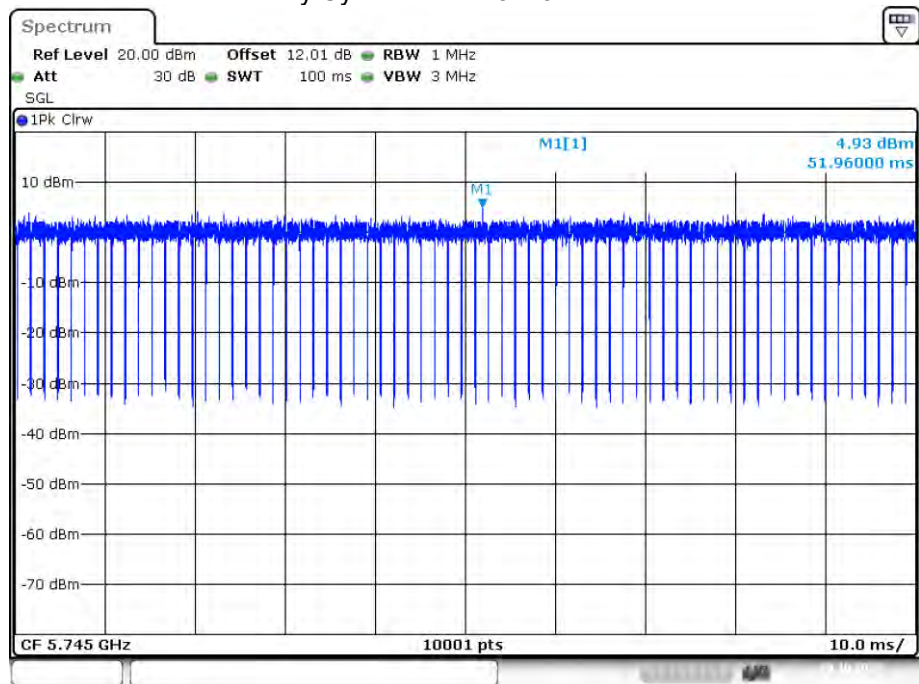
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 15.175                | 0                | 15.175            | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 15.129                | 0                | 15.129            | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 13.139                | 0                | 13.139            | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 13.015                | 0                | 13.015            | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 13.284                | 0                | 13.284            | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 12.919                | 0                | 12.919            | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 13.401                | 0                | 13.401            | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 14.538                | 0                | 14.538            | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 14.956                | 0                | 14.956            | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 13.72                 | 0                | 13.72             | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 13.05                 | 0                | 13.05             | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 12.942                | 0                | 12.942            | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 13.442                | 0                | 13.442            | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 13.618                | 0                | 13.618            | 30          | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant2    | 15.209                | 0                | 15.209            | 30          | Pass    |
| NVNT      | a    | 5785            | Ant2    | 15.443                | 0                | 15.443            | 30          | Pass    |
| NVNT      | a    | 5825            | Ant2    | 13.651                | 0                | 13.651            | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant2    | 13.294                | 0                | 13.294            | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant2    | 13.691                | 0                | 13.691            | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant2    | 13.216                | 0                | 13.216            | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant2    | 13.219                | 0                | 13.219            | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant2    | 14.513                | 0                | 14.513            | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant2    | 14.449                | 0                | 14.449            | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant2    | 13.641                | 0                | 13.641            | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant2    | 13.195                | 0                | 13.195            | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant2    | 13.294                | 0                | 13.294            | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant2    | 13.309                | 0                | 13.309            | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant2    | 13.471                | 0                | 13.471            | 30          | Pass    |

| Duty Cycle=100% |      |                 |         |                       |                  |                   |             |         |
|-----------------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| Condition       | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
| NVNT            | ac20 | 5745            | MIMO    | 16.17                 | 0                | 16.17             | 30          | Pass    |
| NVNT            | ac20 | 5785            | MIMO    | 16.50                 | 0                | 16.50             | 30          | Pass    |
| NVNT            | ac20 | 5825            | MIMO    | 16.08                 | 0                | 16.08             | 30          | Pass    |
| NVNT            | ac40 | 5755            | MIMO    | 16.32                 | 0                | 16.32             | 30          | Pass    |
| NVNT            | ac40 | 5795            | MIMO    | 17.54                 | 0                | 17.54             | 30          | Pass    |
| NVNT            | ac80 | 5775            | MIMO    | 17.72                 | 0                | 17.72             | 30          | Pass    |
| NVNT            | n20  | 5745            | MIMO    | 16.69                 | 0                | 16.69             | 30          | Pass    |
| NVNT            | n20  | 5785            | MIMO    | 16.13                 | 0                | 16.13             | 30          | Pass    |
| NVNT            | n20  | 5825            | MIMO    | 16.13                 | 0                | 16.13             | 30          | Pass    |
| NVNT            | n40  | 5755            | MIMO    | 16.39                 | 0                | 16.39             | 30          | Pass    |
| NVNT            | n40  | 5795            | MIMO    | 16.56                 | 0                | 16.56             | 30          | Pass    |

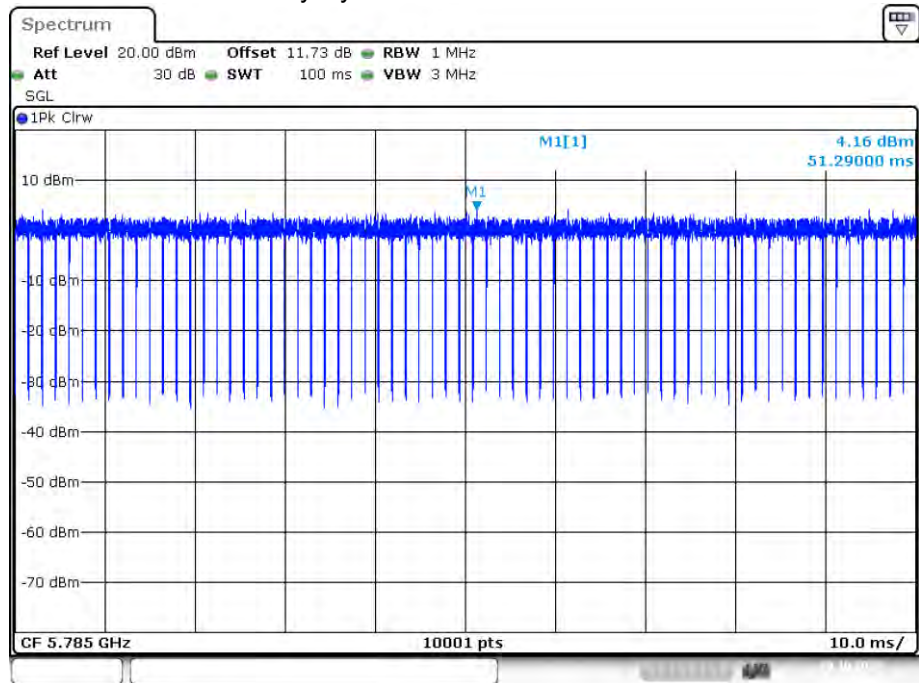
**Duty Cycle**

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) |
|-----------|------|-----------------|---------|----------------|
| NVNT      | a    | 5745            | Ant1    | 100            |
| NVNT      | a    | 5785            | Ant1    | 100            |
| NVNT      | a    | 5825            | Ant1    | 100            |
| NVNT      | ac20 | 5745            | Ant1    | 100            |
| NVNT      | ac20 | 5785            | Ant1    | 100            |
| NVNT      | ac20 | 5825            | Ant1    | 100            |
| NVNT      | ac40 | 5755            | Ant1    | 100            |
| NVNT      | ac40 | 5795            | Ant1    | 100            |
| NVNT      | ac80 | 5775            | Ant1    | 100            |
| NVNT      | n20  | 5745            | Ant1    | 100            |
| NVNT      | n20  | 5785            | Ant1    | 100            |
| NVNT      | n20  | 5825            | Ant1    | 100            |
| NVNT      | n40  | 5755            | Ant1    | 100            |
| NVNT      | n40  | 5795            | Ant1    | 100            |

**Duty Cycle NVNT a 5745MHz Ant1**

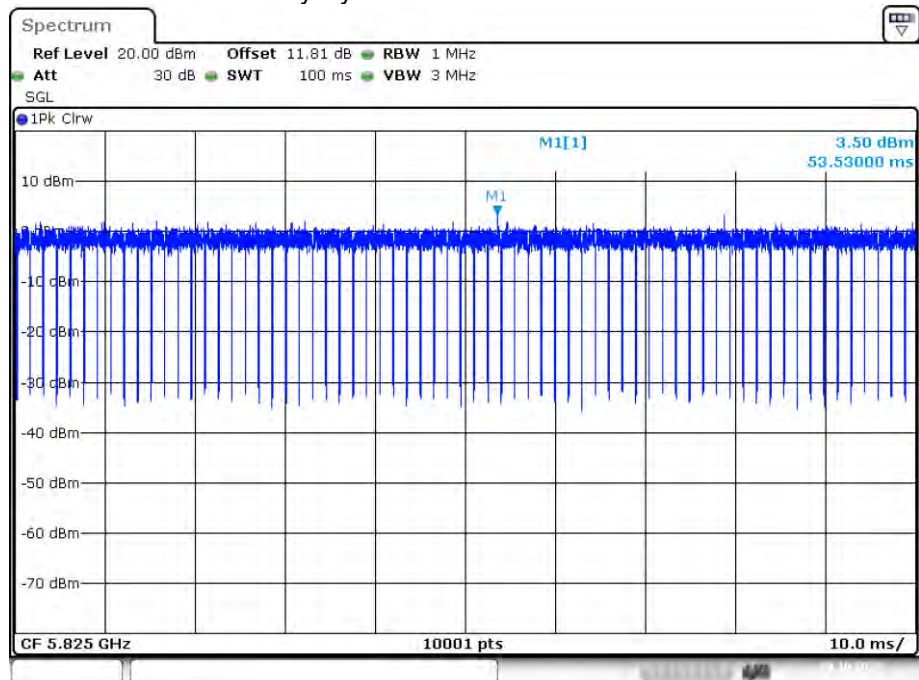
Date: 20.OCT.2023 04:45:12

## Duty Cycle NVNT a 5785MHz Ant1



Date: 20.OCT.2023 04:48:29

## Duty Cycle NVNT a 5825MHz Ant1



Date: 20.OCT.2023 04:52:39