# Test Report

**Verified code:** 584849

**Report No.:** E202212085403-01-2

| | |
|---|---|
| Customer: | Fiberhome Telecommunication Technologies Co., Ltd. |
| Address: | No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China |
| Sample Name: | Wireless Router |
| Sample Model: | SR1021FS |
| Receive Sample Date: | Dec.10,2022 |
| Test Date: | Dec.15,2022 ~ Jan.19,2023 |
| Reference Document: | CFR 47,FCC Parts 15 Subpart E Unlicensed National Information Infrastructure Devices |
| Test Result: | Pass |

Prepared by: Lu Wei Reviewed by: Jiang Tao Approved by: Zhao Zetian

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issued Date: 2023-02-27

GUANGZHOU GRG METROLOGY & TEST CO., LTD

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# Statement

1. The report is invalid without "special seal for inspection and testing"; some copies are invalid; The report is invalid if it is altered or missing; The report is invalid without the signature of the person who prepared, reviewed and approved it.

2. The sample information is provided by the client and responsible for its authenticity; The content of the report is only valid for the samples sent this time.

3. When there are reports in both Chinese and English, the Chinese version will prevail when the language problems are inconsistent.

4. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.

5. Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.

**---------- The following blanks ----------**

# Table of Contents

**---------- The following blanks ----------**

**REPORT ISSUED HISTORY**

| Report Version | Report No. | Description | Compile Date |
|---|---|---|---|
| 1.0 | E202212085403-01-2 | Original Issue | 2023-02-15 |

**---------- The following blanks ----------**

## 1. TEST RESULT SUMMARY

| Standard | Item | Limit / Severity | Result |
|---|---|---|---|
| CFR 47, FCC Parts 15 Subpart E (§15.407) | 6dB Bandwidth &26dB Bandwidth & 99% Occupied Bandwidth | 15.407(a) | PASS |
| | AC Power Line Conducted Emissions | 15.207<br>15.407(b)(6) | PASS |
| | Unwanted Emissions and Band Edge | 15.205<br>15.209<br>15.407(b) | PASS |
| | Output Power | 15.407(a) | PASS |
| | Peak Power Spectral Density | 15.407(a) | PASS |
| | Frequency Stability | 15.407(g) | PASS |
| | Antenna Requirement | 15.203 | PASS[1)] |

Note: [1)] The EUT have three antennas. The antenna is Internal Antenna.
The max gain of antenna is 3.88dBi, which accordance 15.203 is considered sufficient to comply with the provisions of this section.

---------- **The following blanks** ----------

## 2. GENERAL DESCRIPTION OF EUT

### 2.1. APPLICANT

| | |
|---|---|
| Name: | Fiberhome Telecommunication Technologies Co., Ltd. |
| Address: | No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China |

### 2.2. MANUFACTURER

| | |
|---|---|
| Name: | Fiberhome Telecommunication Technologies Co., Ltd. |
| Address: | No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China |

### 2.3. FACTORY

| | |
|---|---|
| Name: | Fiberhome Telecommunication Technologies Co., Ltd. |
| Address: | No.67,Chuangye Street,East Lake High-tech Development Zone,Wuhan City,Hubei Province,P.R.China |

### 2.4. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

| | |
|---|---|
| Product Name: | Wireless Router |
| Product Model: | SR1021FS |
| Adding Model: | / |
| FCC ID: | 2AV2N-SR1021FS |
| Trade Name: | FiberHome |
| Power Supply: | DC12.0V power supplied by adapter |
| Adapter Specification: | Adapter1: KL-WA120100-D<br>Input:100-240V~50/60Hz 0.5A Max<br>Output:12V⎓1.0A<br>Adapter2: RD1201000-C55-35MGD<br>Input:100-240V~50/60Hz 0.6A Max<br>Output:12V⎓1A |
| Frequency Band: | U-NII-1: 5180 MHz~5240 MHz<br>U-NII-2A: 5260 MHz~5320 MHz<br>U-NII-2C: 5500 MHz~5700 MHz<br>U-NII-3: 5745 MHz~5825 MHz |
| Modulation Type: | OFDM, OFDMA |
| Antenna Specification: | Internal antenna<br>U-NII-1:<br>PCB antenna 1 with 3.26dBi gain (Max.)<br>PCB antenna 2 with 3.26dBi gain (Max.)<br>On Board antenna 3 with 3.58dBi gain (Max.)<br>U-NII-2A:<br>PCB antenna 1 with 3.20dBi gain (Max.)<br>PCB antenna 2 with 3.20dBi gain (Max.) |

| | |
|---|---|
| | On Board antenna 3 with 3.36dBi gain (Max.)<br>U-NII-2C:<br>PCB antenna 1 with 3.26dBi gain (Max.)<br>PCB antenna 2 with 3.26dBi gain (Max.)<br>On Board antenna 3 with 3.25dBi gain (Max.)<br>U-NII-3:<br>PCB antenna 1 with 3.75dBi gain (Max.)<br>PCB antenna 2 with 3.75dBi gain (Max.)<br>On Board antenna 3 with 3.88dBi gain (Max.) |
| Number Of Channel | U-NII-1:<br>IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 4 Channels<br>IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels<br>IEEE 802.11ac VHT80 / ax HE80: 1 Channel<br>U-NII-2A:<br>IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 4 Channels<br>IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels<br>IEEE 802.11ac VHT80 / ax HE80: 1 Channel<br>IEEE 802.11ax HE160: 1 Channel<br>U-NII-2C:<br>IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 11 Channels<br>IEEE 802.11n HT40 / ac VHT40 / ax HE40: 5 Channels<br>IEEE 802.11ac VHT80 / ax HE80: 2 Channel<br>IEEE 802.11ax HE160: 1 Channel<br>U-NII-3:<br>IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 5 Channels<br>IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels<br>IEEE 802.11ac VHT80 / ax HE80: 1 Channel |
| Channels Spacing: | IEEE 802.11a: 20MHz<br>IEEE 802.11n HT20: 20MHz<br>IEEE 802.11n HT40: 40MHz<br>IEEE 802.11ac VHT20: 20MHz<br>IEEE 802.11ac VHT40: 40MHz<br>IEEE 802.11ac VHT80: 80MHz<br>IEEE 802.11ax HE20: 20MHz<br>IEEE 802.11ax HE40: 40MHz<br>IEEE 802.11ax HE80: 80MHz<br>IEEE 802.11ax HE160: 160MHz |
| Transmit Power: | U-NII-1:<br>9.48dBm for IEEE 802.11a<br>13.69dBm for IEEE 802.11n HT20<br>13.2dBm for IEEE 802.11ac VHT20<br>8.17dBm for IEEE 802.11ax HE20<br>11.43dBm for IEEE 802.11n HT40<br>11.84dBm for IEEE 802.11ac VHT40<br>8.42dBm for IEEE 802.11ax HE40<br>8.56dBm for IEEE 802.11ac VHT80<br>8.49dBm for IEEE 802.11ax HE80 |

| | |
|---|---|
| | U-NII-2A:<br>9.15dBm for IEEE 802.11a<br>13.15dBm for IEEE 802.11n HT20<br>13.29dBm for IEEE 802.11ac VHT20<br>8.24dBm for IEEE 802.11ax HE20<br>11.63dBm for IEEE 802.11n HT40<br>11.52dBm for IEEE 802.11ac VHT40<br>8.58dBm for IEEE 802.11ax HE40<br>8.65dBm for IEEE 802.11ac VHT80<br>8.77dBm for IEEE 802.11ax HE80<br>9.24dBm for IEEE 802.11ax HE160<br>U-NII-2C:<br>9.35dBm for IEEE 802.11a<br>13.45dBm for IEEE 802.11n HT20<br>13.18dBm for IEEE 802.11ac VHT20<br>8.23dBm for IEEE 802.11ax HE20<br>11.62dBm for IEEE 802.11n HT40<br>12.26dBm for IEEE 802.11ac VHT40<br>8.63dBm for IEEE 802.11ax HE40<br>9.3dBm for IEEE 802.11ac VHT80<br>9.61dBm for IEEE 802.11ax HE80<br>9.36dBm for IEEE 802.11ax HE160<br>U-NII-3:<br>9.07dBm for IEEE 802.11a<br>13.19dBm for IEEE 802.11n HT20<br>13.67dBm for IEEE 802.11ac VHT20<br>8.4dBm for IEEE 802.11ax HE20<br>11.49dBm for IEEE 802.11n HT40<br>11.56dBm for IEEE 802.11ac VHT40<br>8.28dBm for IEEE 802.11ax HE40<br>8.69dBm for IEEE 802.11ac VHT80<br>8.59dBm for IEEE 802.11ax HE80 |
| Temperature Range: | -5℃~45℃ |
| Hardware Version: | / |
| Software Version: | V1.0 |
| Sample submitting way: | ■Provided by customer □Sampling |
| Sample No: | E202212085403-01-0001, E202212085403-01-0002 |
| Note: | \ |

## 2.5. TEST OPERATION MODE

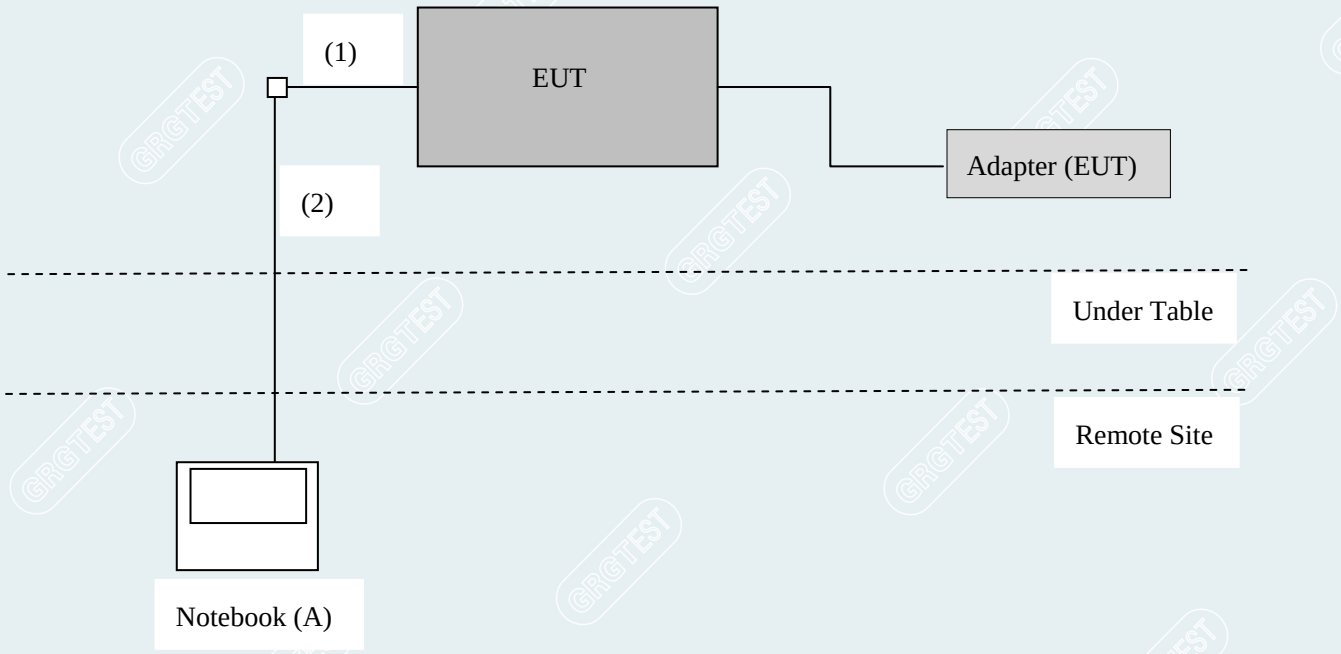
| Mode No. | Description of the modes |
|---|---|
| 1 | 5G Wi-Fi TX mode |

Note: The items of radiated emission just record the worst case of 20MHz/40MHz/80MHz/160MHzbandwidth.

## 2.6. LOCAL SUPPORTIVEINSTRUMENTS

| ID | Name of Equipment | Manufacturer | Model | Serial Number | Note |
|---|---|---|---|---|---|
| A | Notebook | LENOVO | ZHAOYANG K4e-IML | LRX00A41 | Provided by Lab |
| 1 | RJ45 LAN Cable | / | / | / | UnShielded,1.93m(for conducted test),accessory of EUT |
| 2 | RJ45 LAN Cable | / | / | / | UnShielded,10.0m(for radiated test),provided by Lab |

## 2.7. CONFIGURATION OF SYSTEM UNDER TEST



**Test software:**

| Software version |
|---|
| QATool V0.0.6.00 |

| Mode | Frequency (MHz) | Power Setting | Frequency (MHz) | Power Setting |
|---|---|---|---|---|
| IEEE 802.11a | 5180 | 9 | 5500 | 9 |
| | 5200 | 9 | 5580 | 9 |
| | 5240 | 9 | 5700 | 9 |
| | 5260 | 9 | 5745 | 9 |
| | 5300 | 9 | 5785 | 9 |
| | 5320 | 9 | 5825 | 9 |

| Mode | Frequency (MHz) | Power Setting | Mode | Frequency (MHz) | Power Setting |
|---|---|---|---|---|---|
| IEEE 802.11n HT20 | 5180 | 9 | IEEE 802.11ac VHT20 | 5180 | 9 |
| | 5200 | 9 | | 5200 | 9 |
| | 5240 | 9 | | 5240 | 9 |
| | 5260 | 9 | | 5260 | 9 |
| | 5300 | 9 | | 5300 | 9 |
| | 5320 | 9 | | 5320 | 9 |
| | 5500 | 9 | | 5500 | 9 |
| | 5580 | 9 | | 5580 | 9 |
| | 5700 | 9 | | 5700 | 9 |
| | 5745 | 9 | | 5745 | 9 |
| | 5785 | 9 | | 5785 | 9 |
| | 5825 | 9 | | 5825 | 9 |

| Mode | Frequency (MHz) | Power Setting | Mode | Frequency (MHz) | Power Setting |
|---|---|---|---|---|---|
| IEEE 802.11n HT40 | 5190 | 9 | IEEE 802.11ac VHT40 | 5190 | 9 |
| | 5230 | 9 | | 5230 | 9 |
| | 5270 | 9 | | 5270 | 9 |
| | 5310 | 9 | | 5310 | 9 |
| | 5510 | 9 | | 5510 | 9 |
| | 5550 | 9 | | 5550 | 9 |
| | 5670 | 9 | | 5670 | 9 |
| | 5755 | 9 | | 5755 | 9 |
| | 5795 | 9 | | 5795 | 9 |

| Mode | Frequency (MHz) | Power Setting | Mode | Frequency (MHz) | Power Setting |
|---|---|---|---|---|---|
| IEEE 802.11ax HE20 | 5180 | 9 | IEEE 802.11ax HE40 | 5190 | 9 |
| | 5200 | 9 | | 5230 | 9 |
| | 5240 | 9 | | 5270 | 9 |
| | 5260 | 9 | | 5310 | 9 |
| | 5300 | 9 | | 5510 | 9 |
| | 5320 | 9 | | 5550 | 9 |
| | 5500 | 9 | | 5670 | 9 |
| | 5580 | 9 | | 5755 | 9 |
| | 5700 | 9 | | 5795 | 9 |
| | 5745 | 9 | | / | / |
| | 5785 | 9 | | / | / |
| | 5825 | 9 | | / | / |

| Mode | Frequency (MHz) | Power Setting | Frequency (MHz) | Power Setting |
|---|---|---|---|---|
| IEEE 802.11ac VHT80 | 5210 | 9 | 5610 | 9 |
| | 5290 | 9 | 5775 | 9 |
| | 5530 | 9 | / | / |

| Mode | Frequency (MHz) | Power Setting | Frequency (MHz) | Power Setting |
|---|---|---|---|---|
| IEEE 802.11ax HE80 | 5210 | 9 | 5610 | 9 |
| | 5290 | 9 | 5775 | 9 |
| | 5530 | 9 | / | / |

| Mode | Frequency (MHz) | Power Setting | Frequency (MHz) | Power Setting |
|---|---|---|---|---|
| IEEE 802.11ax HE160 | 5250 | 9 | 5670 | 9 |

## 2.8. DUTY CYCLE

| EUT Name | Wireless Router | Model | SR1021FS |
|---|---|---|---|
| Environmental Conditions | 20.9℃/47%RH/101.1kPa | Test Voltage | AC120V/60Hz |
| Tested By | Qin Tingting | Tested Date | 2023/01/19 |

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|---|---|---|---|---|---|---|
| NVNT | a | 5180 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5180 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5180 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5200 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5200 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5200 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5240 | Ant1 | 96.08 | 0.17 | 0.72 |
| NVNT | a | 5240 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5240 | Ant3 | 96.21 | 0.17 | 0.72 |
| NVNT | n20 | 5180 | Ant1 | 95.97 | 0.18 | 0.76 |
| NVNT | n20 | 5180 | Ant2 | 95.9 | 0.18 | 0.76 |
| NVNT | n20 | 5180 | Ant3 | 95.97 | 0.18 | 0.76 |
| NVNT | n20 | 5200 | Ant1 | 95.9 | 0.18 | 0.76 |
| NVNT | n20 | 5200 | Ant2 | 95.9 | 0.18 | 0.76 |
| NVNT | n20 | 5200 | Ant3 | 95.97 | 0.18 | 0.76 |
| NVNT | n20 | 5240 | Ant1 | 95.83 | 0.18 | 0.76 |
| NVNT | n20 | 5240 | Ant2 | 95.9 | 0.18 | 0.76 |
| NVNT | n20 | 5240 | Ant3 | 95.97 | 0.18 | 0.76 |
| NVNT | n40 | 5190 | Ant1 | 92.2 | 0.35 | 1.54 |
| NVNT | n40 | 5190 | Ant2 | 92.2 | 0.35 | 1.54 |
| NVNT | n40 | 5190 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5230 | Ant1 | 92.2 | 0.35 | 1.54 |
| NVNT | n40 | 5230 | Ant2 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5230 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | ac20 | 5180 | Ant1 | 95.99 | 0.18 | 0.76 |
| NVNT | ac20 | 5180 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5180 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5200 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5200 | Ant2 | 95.99 | 0.18 | 0.76 |
| NVNT | ac20 | 5200 | Ant3 | 95.99 | 0.18 | 0.76 |
| NVNT | ac20 | 5240 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5240 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5240 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac40 | 5190 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5190 | Ant2 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5190 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5230 | Ant1 | 92.29 | 0.35 | 1.52 |
| NVNT | ac40 | 5230 | Ant2 | 92.16 | 0.35 | 1.52 |
| NVNT | ac40 | 5230 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac80 | 5210 | Ant1 | 85.53 | 0.68 | 3.08 |
| NVNT | ac80 | 5210 | Ant2 | 85.3 | 0.69 | 3.08 |
| NVNT | ac80 | 5210 | Ant3 | 85.3 | 0.69 | 3.08 |
| NVNT | ax20 | 5180 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5180 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5180 | Ant3 | 84.99 | 0.71 | 3.15 |

| | | | | | | |
|---|---|---|---|---|---|---|
| NVNT | ax20 | 5200 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5200 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5200 | Ant3 | 85.03 | 0.7 | 3.14 |
| NVNT | ax20 | 5240 | Ant1 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5240 | Ant2 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5240 | Ant3 | 85.22 | 0.69 | 3.15 |
| NVNT | ax40 | 5190 | Ant1 | 85.09 | 0.7 | 3.18 |
| NVNT | ax40 | 5190 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5190 | Ant3 | 85.05 | 0.7 | 3.19 |
| NVNT | ax40 | 5230 | Ant1 | 85.09 | 0.7 | 3.18 |
| NVNT | ax40 | 5230 | Ant2 | 84.78 | 0.72 | 3.21 |
| NVNT | ax40 | 5230 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax80 | 5210 | Ant1 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5210 | Ant2 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5210 | Ant3 | 84.46 | 0.73 | 3.34 |
| NVNT | a | 5260 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5260 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5260 | Ant3 | 96.21 | 0.17 | 0.72 |
| NVNT | a | 5280 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5280 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5280 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5320 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5320 | Ant2 | 96.21 | 0.17 | 0.72 |
| NVNT | a | 5320 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | n20 | 5260 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5260 | Ant2 | 95.96 | 0.18 | 0.77 |
| NVNT | n20 | 5260 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5280 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5280 | Ant2 | 95.96 | 0.18 | 0.77 |
| NVNT | n20 | 5280 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5320 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5320 | Ant2 | 95.96 | 0.18 | 0.77 |
| NVNT | n20 | 5320 | Ant3 | 95.96 | 0.18 | 0.77 |
| NVNT | n40 | 5270 | Ant1 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5270 | Ant2 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5270 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5310 | Ant1 | 92.07 | 0.36 | 1.54 |
| NVNT | n40 | 5310 | Ant2 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5310 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | ac20 | 5260 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5260 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5260 | Ant3 | 95.99 | 0.18 | 0.76 |
| NVNT | ac20 | 5280 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5280 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5280 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5320 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5320 | Ant2 | 95.99 | 0.18 | 0.76 |
| NVNT | ac20 | 5320 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVLT | ac20 | 5260 | Ant2 | 89.57 | 0.48 | 2.08 |
| NVNT | ac40 | 5270 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5270 | Ant2 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5270 | Ant3 | 92.29 | 0.35 | 1.52 |
| NVNT | ac40 | 5310 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5310 | Ant2 | 92.28 | 0.35 | 1.52 |
| NVNT | ac40 | 5310 | Ant3 | 92.29 | 0.35 | 1.52 |

| | | | | | | |
|---|---|---|---|---|---|---|
| NVNT | ac80 | 5290 | Ant1 | 85.3 | 0.69 | 3.08 |
| NVNT | ac80 | 5290 | Ant2 | 85.3 | 0.69 | 3.08 |
| NVNT | ac80 | 5290 | Ant3 | 85.53 | 0.68 | 3.08 |
| NVNT | ax160 | 5250 | Ant1 | 84.18 | 0.75 | 3.36 |
| NVNT | ax160 | 5250 | Ant2 | 84.14 | 0.75 | 3.37 |
| NVNT | ax160 | 5250 | Ant3 | 84.42 | 0.74 | 3.36 |
| NVNT | ax20 | 5260 | Ant1 | 85.22 | 0.69 | 3.15 |
| NVNT | ax20 | 5260 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5260 | Ant3 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5280 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5280 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5280 | Ant3 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5320 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5320 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5320 | Ant3 | 85.25 | 0.69 | 3.14 |
| NVLT | ax20 | 5260 | Ant1 | 82.61 | 0.83 | 3.76 |
| NVLT | ax20 | 5260 | Ant2 | 82.66 | 0.83 | 3.75 |
| NVLT | ax20 | 5260 | Ant3 | 82.92 | 0.81 | 3.75 |
| NVLT | ax20 | 5280 | Ant1 | 82.66 | 0.83 | 3.75 |
| NVLT | ax20 | 5280 | Ant3 | 82.92 | 0.81 | 3.75 |
| NVLT | ax20 | 5320 | Ant1 | 82.61 | 0.83 | 3.76 |
| NVLT | ax20 | 5320 | Ant3 | 82.66 | 0.83 | 3.75 |
| NVHT | ax20 | 5260 | Ant2 | 82.92 | 0.81 | 3.75 |
| NVNT | ax40 | 5270 | Ant1 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5270 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5270 | Ant3 | 85.09 | 0.7 | 3.18 |
| NVNT | ax40 | 5310 | Ant1 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5310 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5310 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax80 | 5290 | Ant1 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5290 | Ant2 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5290 | Ant3 | 84.18 | 0.75 | 3.36 |
| NVNT | a | 5500 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5500 | Ant2 | 96.21 | 0.17 | 0.72 |
| NVNT | a | 5500 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5600 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5600 | Ant2 | 96.21 | 0.17 | 0.72 |
| NVNT | a | 5600 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5700 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5700 | Ant2 | 96.21 | 0.17 | 0.72 |
| NVNT | a | 5700 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | n20 | 5500 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5500 | Ant2 | 95.96 | 0.18 | 0.77 |
| NVNT | n20 | 5500 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5600 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5600 | Ant2 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5600 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5700 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5700 | Ant2 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5700 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n40 | 5510 | Ant1 | 92.19 | 0.35 | 1.54 |
| NVNT | n40 | 5510 | Ant2 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5510 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5590 | Ant1 | 92.07 | 0.36 | 1.54 |
| NVNT | n40 | 5590 | Ant2 | 92.19 | 0.35 | 1.54 |

| | | | | | | |
|---|---|---|---|---|---|---|
| NVNT | n40 | 5590 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5670 | Ant1 | 92.07 | 0.36 | 1.54 |
| NVNT | n40 | 5670 | Ant2 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5670 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | ac20 | 5500 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5500 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5500 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5600 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5600 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5600 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5700 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5700 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5700 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac40 | 5510 | Ant1 | 92.29 | 0.35 | 1.52 |
| NVNT | ac40 | 5510 | Ant2 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5510 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5590 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5590 | Ant2 | 92.16 | 0.35 | 1.52 |
| NVNT | ac40 | 5590 | Ant3 | 92.16 | 0.35 | 1.52 |
| NVNT | ac40 | 5670 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5670 | Ant2 | 92.16 | 0.35 | 1.52 |
| NVNT | ac40 | 5670 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac80 | 5530 | Ant1 | 85.53 | 0.68 | 3.08 |
| NVNT | ac80 | 5530 | Ant2 | 85.3 | 0.69 | 3.08 |
| NVNT | ac80 | 5530 | Ant3 | 85.56 | 0.68 | 3.07 |
| NVNT | ac80 | 5610 | Ant1 | 85.56 | 0.68 | 3.07 |
| NVNT | ac80 | 5610 | Ant2 | 85.53 | 0.68 | 3.08 |
| NVNT | ac80 | 5610 | Ant3 | 85.26 | 0.69 | 3.09 |
| NVNT | ax160 | 5570 | Ant1 | 84.42 | 0.74 | 3.36 |
| NVNT | ax160 | 5570 | Ant2 | 84.42 | 0.74 | 3.36 |
| NVNT | ax160 | 5570 | Ant3 | 84.18 | 0.75 | 3.36 |
| NVNT | ax20 | 5500 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5500 | Ant2 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5500 | Ant3 | 85.22 | 0.69 | 3.15 |
| NVNT | ax20 | 5600 | Ant1 | 85.25 | 0.69 | 3.14 |
| NVNT | ax20 | 5600 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5600 | Ant3 | 85.22 | 0.69 | 3.15 |
| NVNT | ax20 | 5700 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5700 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5700 | Ant3 | 85.25 | 0.69 | 3.14 |
| NVNT | ax40 | 5510 | Ant1 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5510 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5510 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5590 | Ant1 | 85.09 | 0.7 | 3.18 |
| NVNT | ax40 | 5590 | Ant2 | 84.86 | 0.71 | 3.18 |
| NVNT | ax40 | 5590 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5670 | Ant1 | 84.86 | 0.71 | 3.18 |
| NVNT | ax40 | 5670 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5670 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax80 | 5530 | Ant1 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5530 | Ant2 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5530 | Ant3 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5610 | Ant1 | 84.42 | 0.74 | 3.36 |
| NVNT | ax80 | 5610 | Ant2 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5610 | Ant3 | 84.18 | 0.75 | 3.36 |

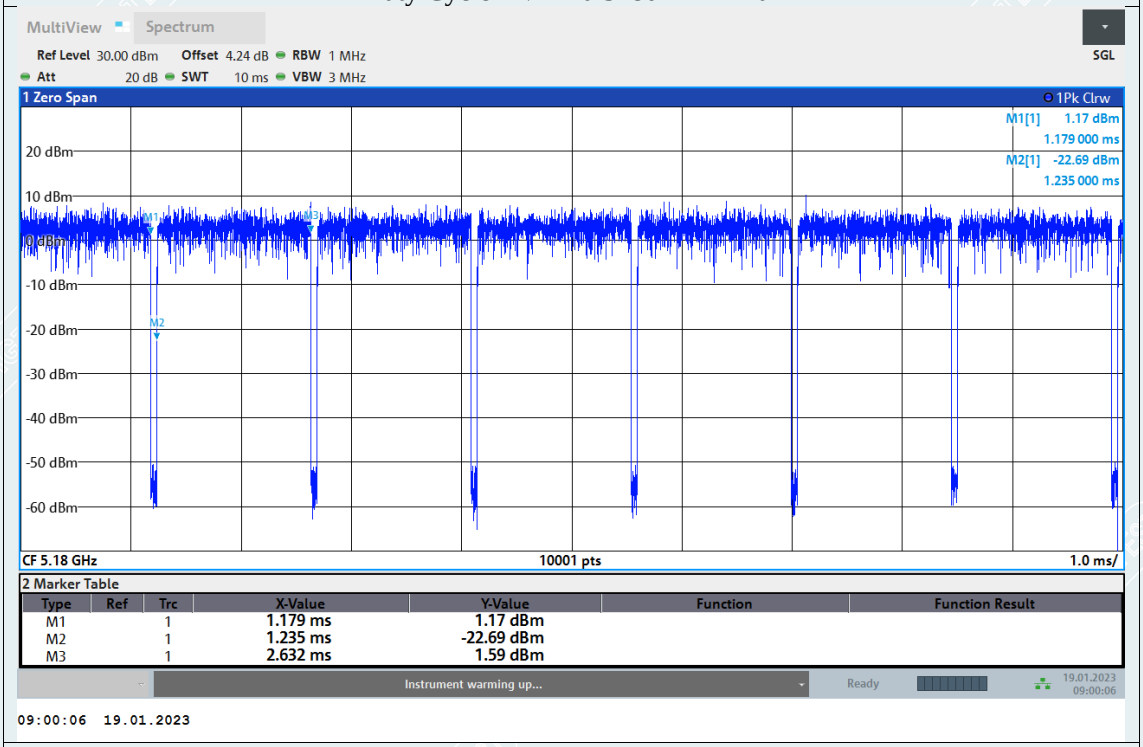
| | | | | | | |
|---|---|---|---|---|---|---|
| NVNT | a | 5745 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5745 | Ant2 | 96.08 | 0.17 | 0.72 |
| NVNT | a | 5745 | Ant3 | 96.08 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5785 | Ant3 | 96.08 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant1 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant2 | 96.15 | 0.17 | 0.72 |
| NVNT | a | 5825 | Ant3 | 96.15 | 0.17 | 0.72 |
| NVNT | n20 | 5745 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5745 | Ant2 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5745 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5785 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5785 | Ant2 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5785 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5825 | Ant1 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5825 | Ant2 | 95.89 | 0.18 | 0.77 |
| NVNT | n20 | 5825 | Ant3 | 95.89 | 0.18 | 0.77 |
| NVNT | n40 | 5755 | Ant1 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5755 | Ant2 | 92.2 | 0.35 | 1.54 |
| NVNT | n40 | 5755 | Ant3 | 92.06 | 0.36 | 1.54 |
| NVNT | n40 | 5795 | Ant1 | 99.23 | 0 | 1.56 |
| NVNT | n40 | 5795 | Ant2 | 99.53 | 0 | 1.56 |
| NVNT | n40 | 5795 | Ant3 | 92.07 | 0.36 | 1.54 |
| NVNT | ac20 | 5745 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5745 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5745 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5785 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5785 | Ant2 | 95.85 | 0.18 | 0.76 |
| NVNT | ac20 | 5785 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5825 | Ant1 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5825 | Ant2 | 95.92 | 0.18 | 0.76 |
| NVNT | ac20 | 5825 | Ant3 | 95.92 | 0.18 | 0.76 |
| NVNT | ac40 | 5755 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5755 | Ant2 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5755 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5795 | Ant1 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5795 | Ant2 | 92.15 | 0.36 | 1.52 |
| NVNT | ac40 | 5795 | Ant3 | 92.15 | 0.36 | 1.52 |
| NVNT | ac80 | 5775 | Ant1 | 85.56 | 0.68 | 3.07 |
| NVNT | ac80 | 5775 | Ant2 | 85.3 | 0.69 | 3.08 |
| NVNT | ac80 | 5775 | Ant3 | 85.56 | 0.68 | 3.07 |
| NVNT | ax20 | 5745 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5745 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5745 | Ant3 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5785 | Ant1 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5785 | Ant2 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5785 | Ant3 | 84.95 | 0.71 | 3.16 |
| NVNT | ax20 | 5825 | Ant1 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5825 | Ant2 | 84.99 | 0.71 | 3.15 |
| NVNT | ax20 | 5825 | Ant3 | 84.99 | 0.71 | 3.15 |
| NVNT | ax40 | 5755 | Ant1 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5755 | Ant2 | 84.86 | 0.71 | 3.18 |
| NVNT | ax40 | 5755 | Ant3 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5795 | Ant1 | 84.86 | 0.71 | 3.18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| NVNT | ax40 | 5795 | Ant2 | 84.82 | 0.72 | 3.19 |
| NVNT | ax40 | 5795 | Ant3 | 85.09 | 0.7 | 3.18 |
| NVNT | ax80 | 5775 | Ant1 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5775 | Ant2 | 84.18 | 0.75 | 3.36 |
| NVNT | ax80 | 5775 | Ant3 | 84.46 | 0.73 | 3.34 |

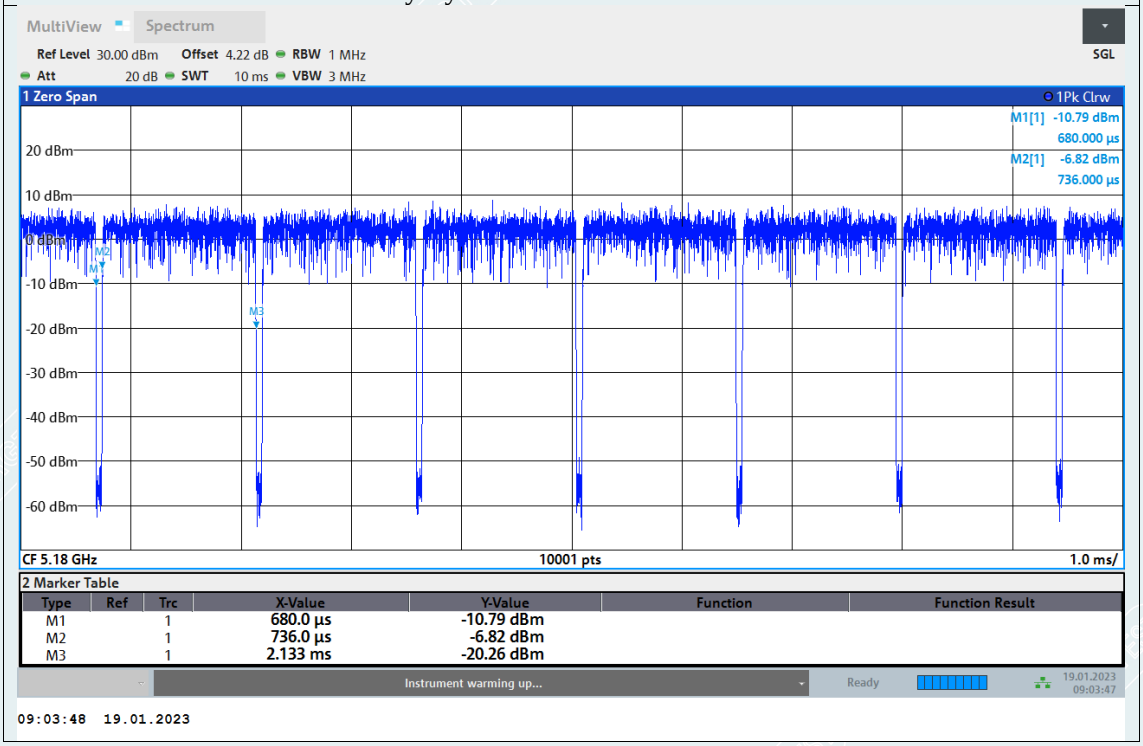
**---------- The following blanks ----------**

## Test Graphs

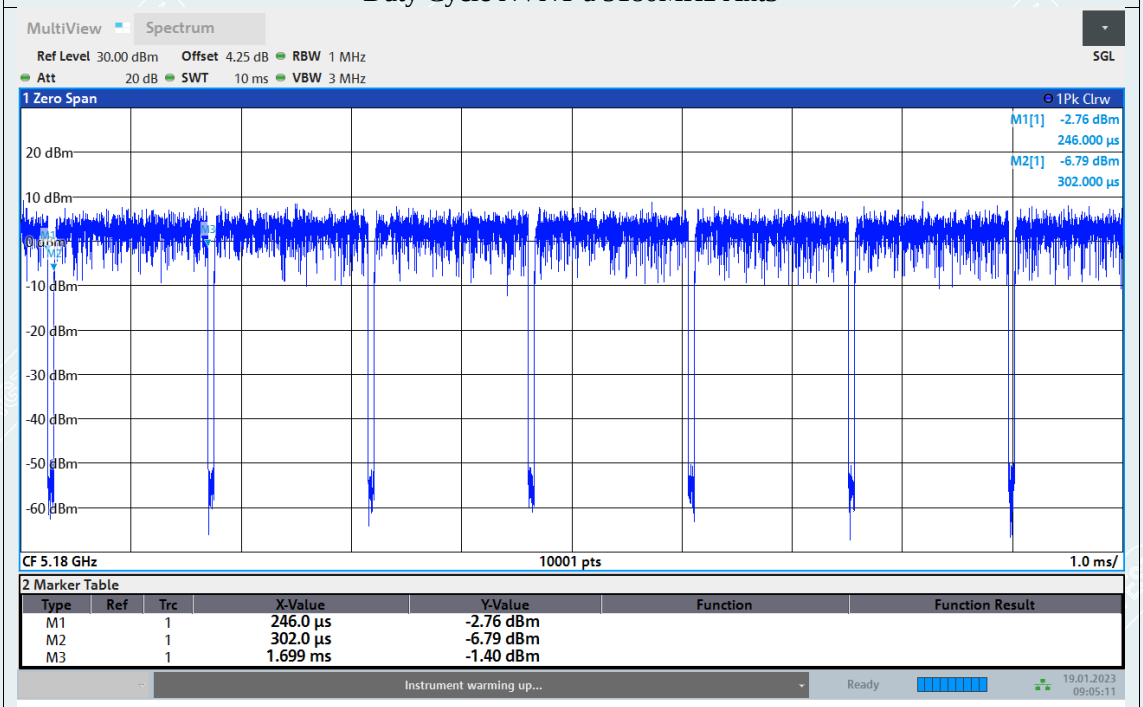
### Duty Cycle NVNT a 5180MHz Ant1



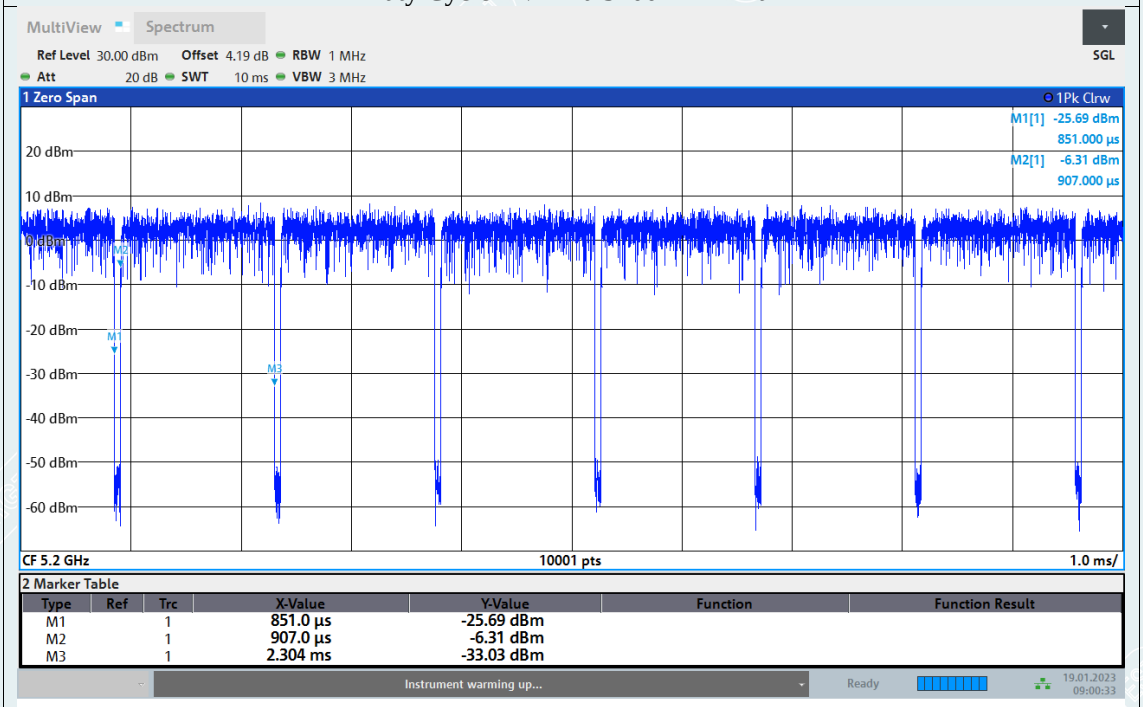

### Duty Cycle NVNT a 5180MHz Ant2



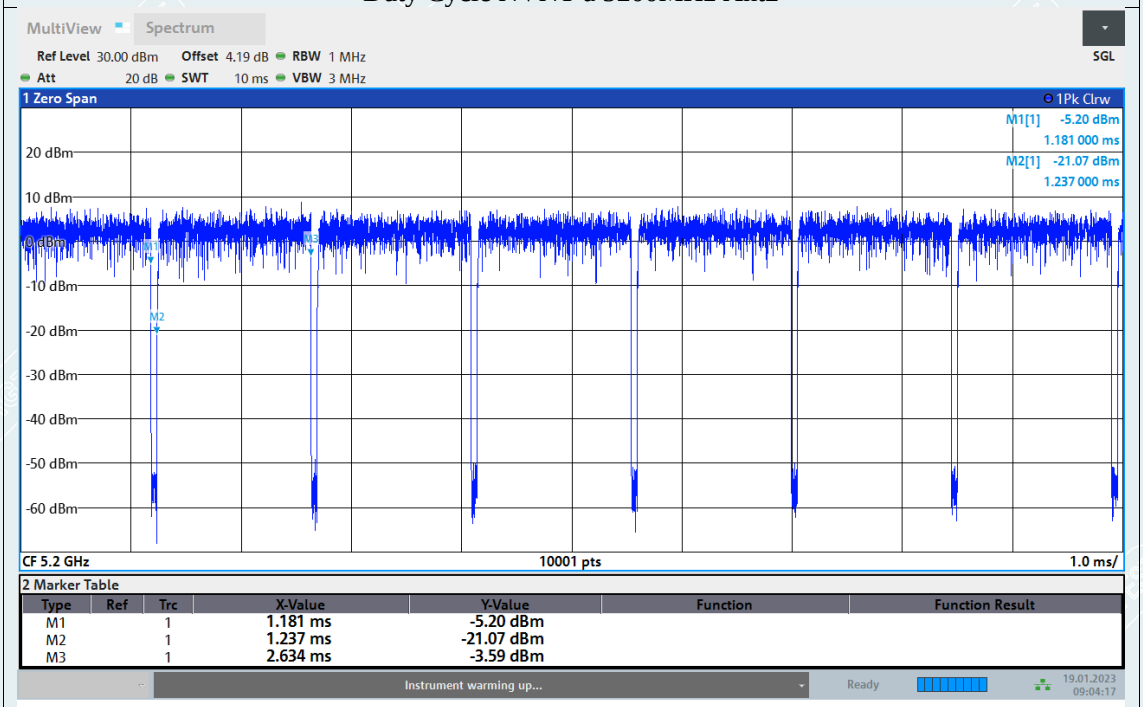
Duty Cycle NVNT a 5180MHz Ant3



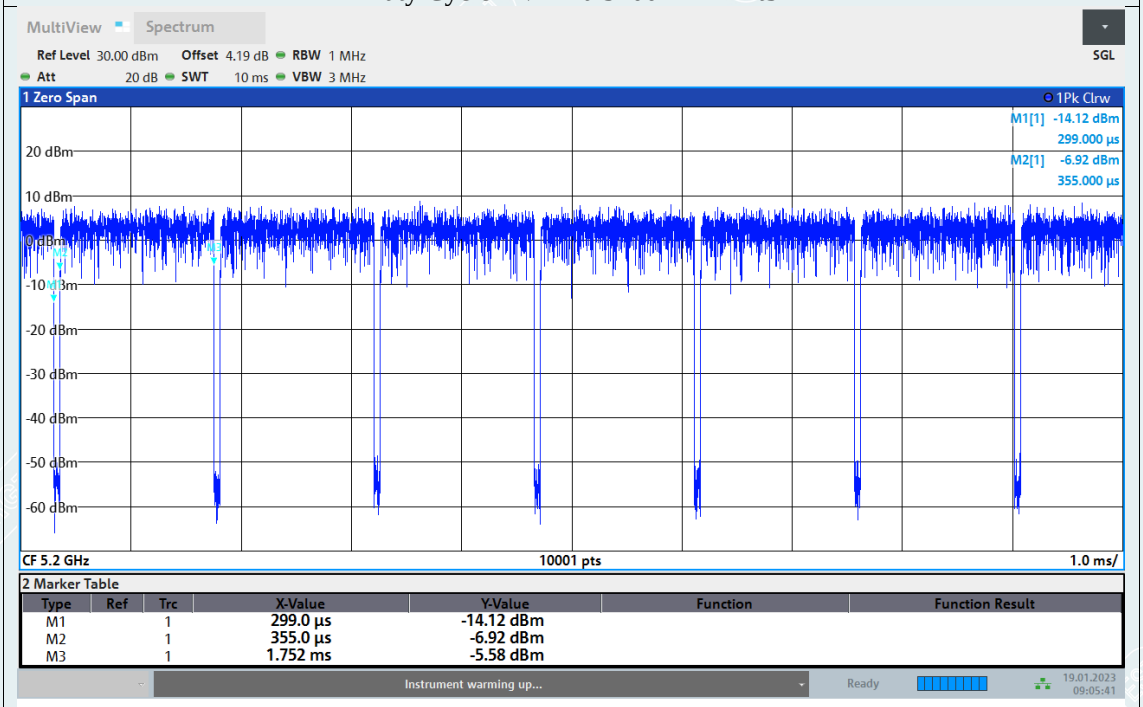

Duty Cycle NVNT a 5200MHz Ant1



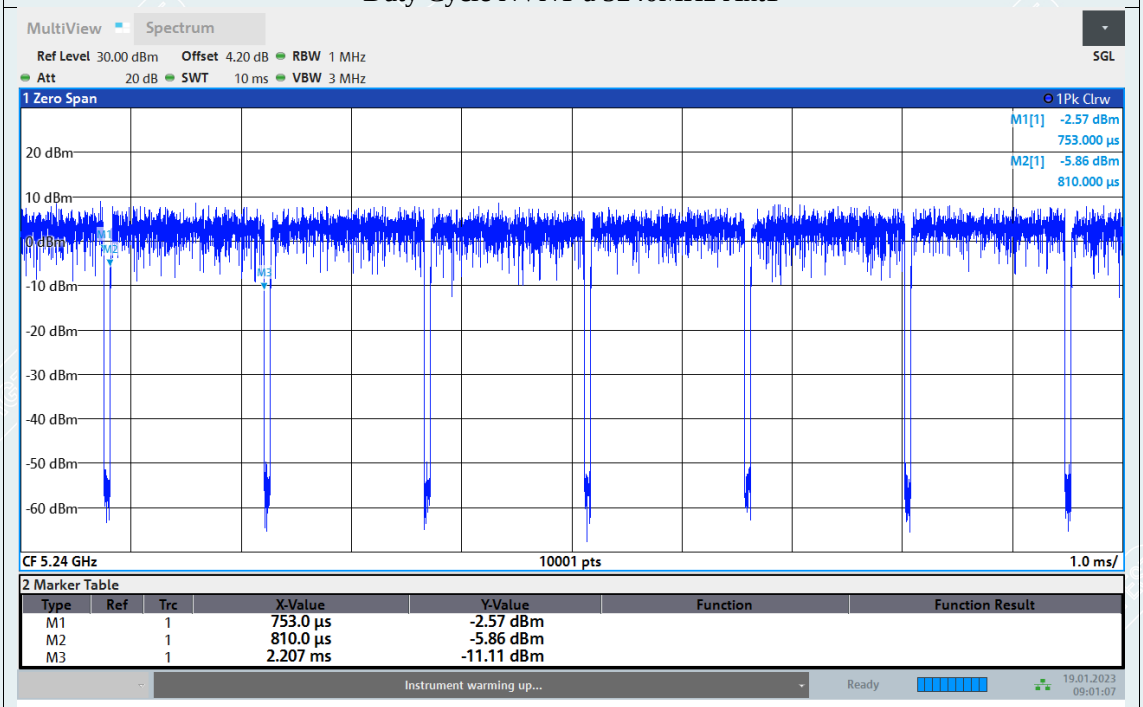
Duty Cycle NVNT a 5200MHz Ant2



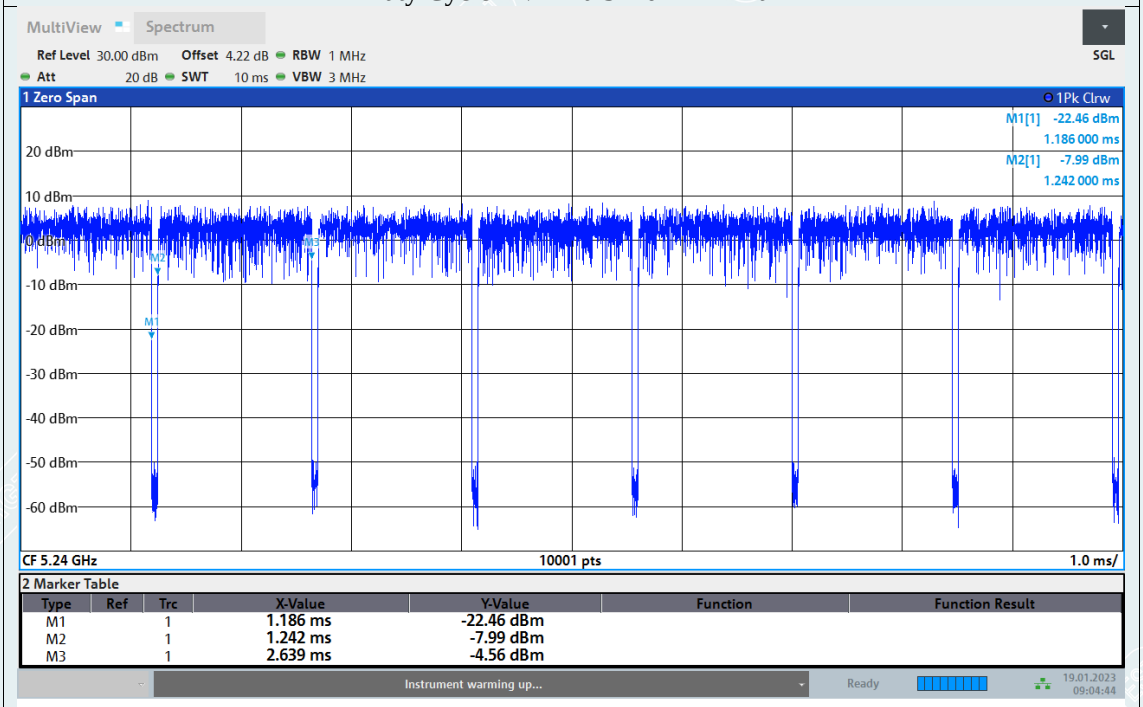

Duty Cycle NVNT a 5200MHz Ant3



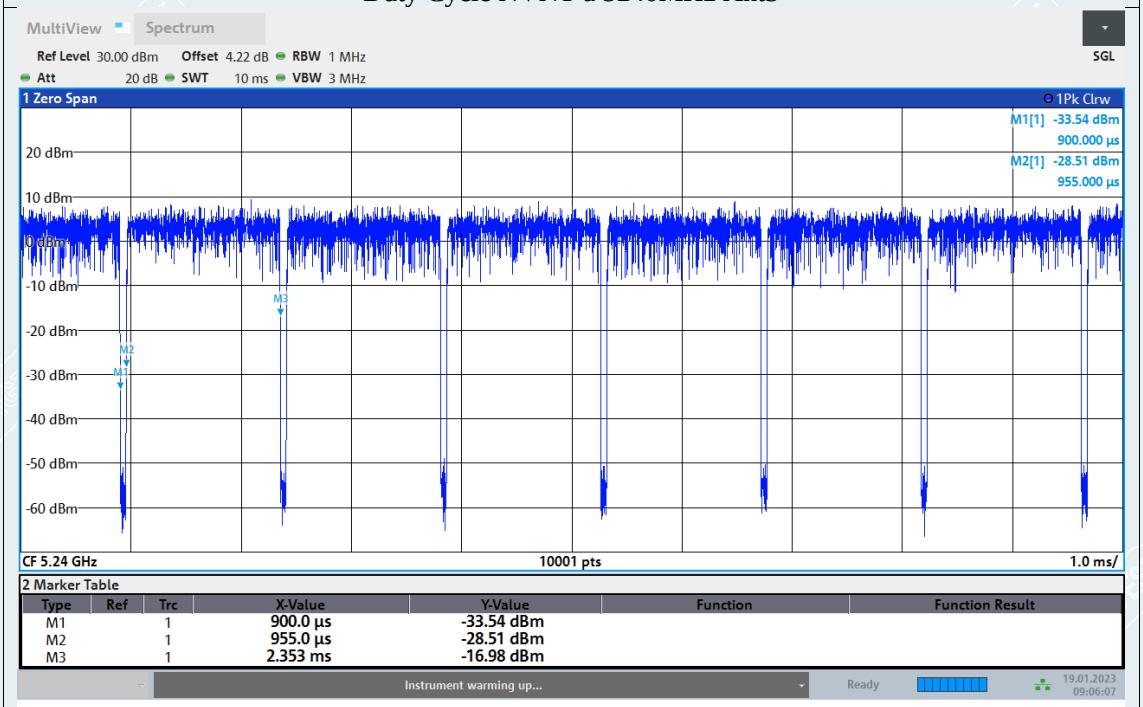
Duty Cycle NVNT a 5240MHz Ant1



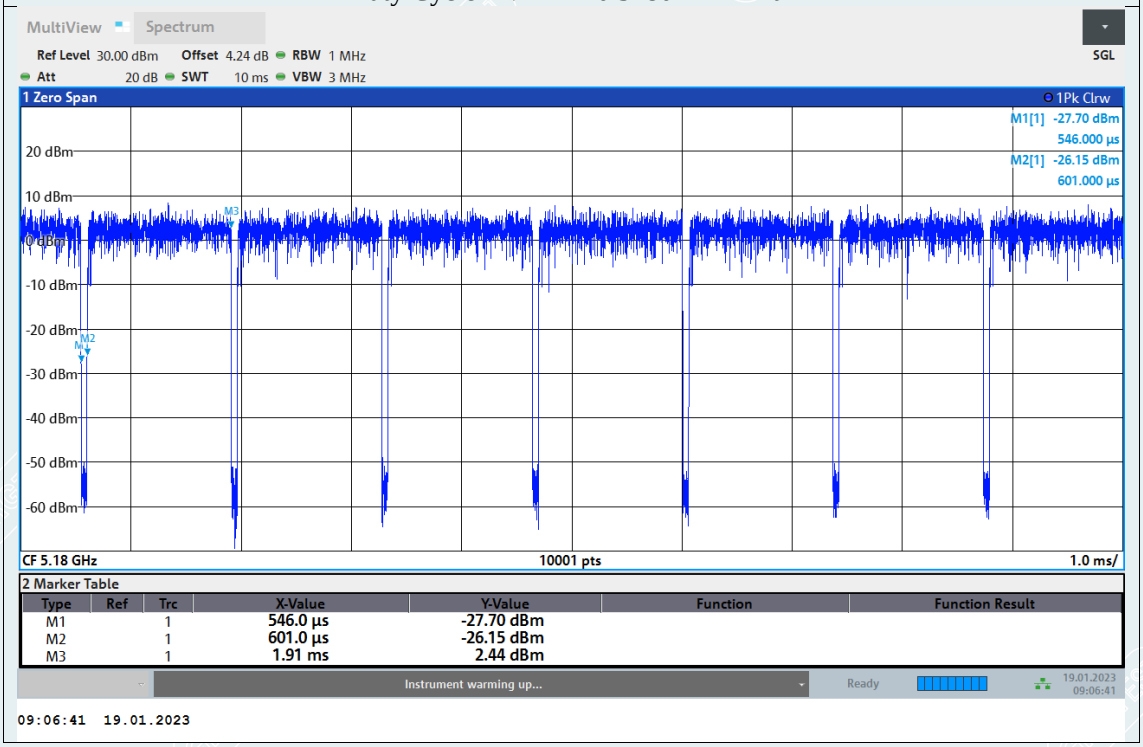

Duty Cycle NVNT a 5240MHz Ant2



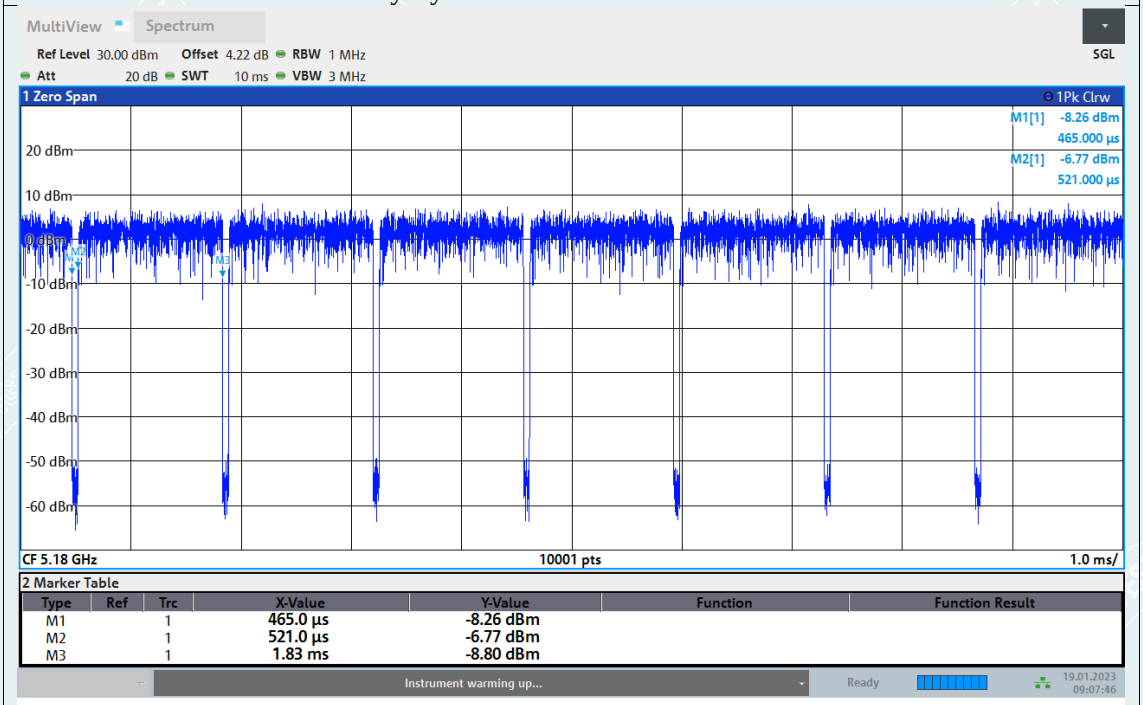
Duty Cycle NVNT a 5240MHz Ant3



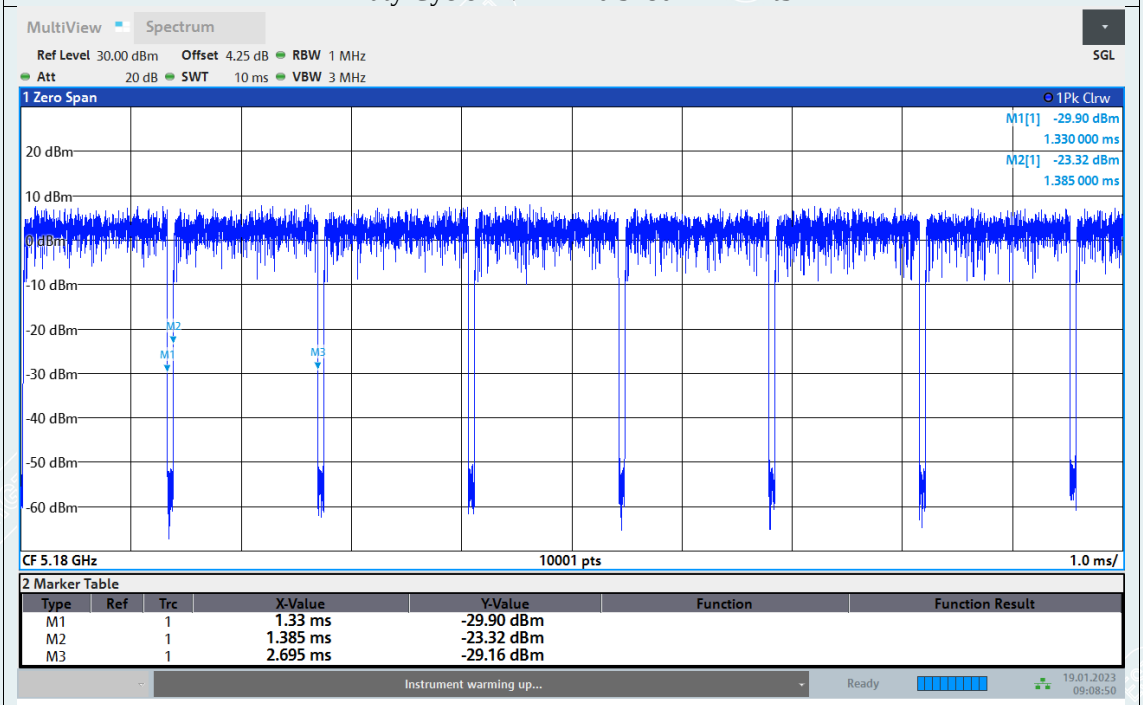

Duty Cycle NVNT n20 5180MHz Ant1



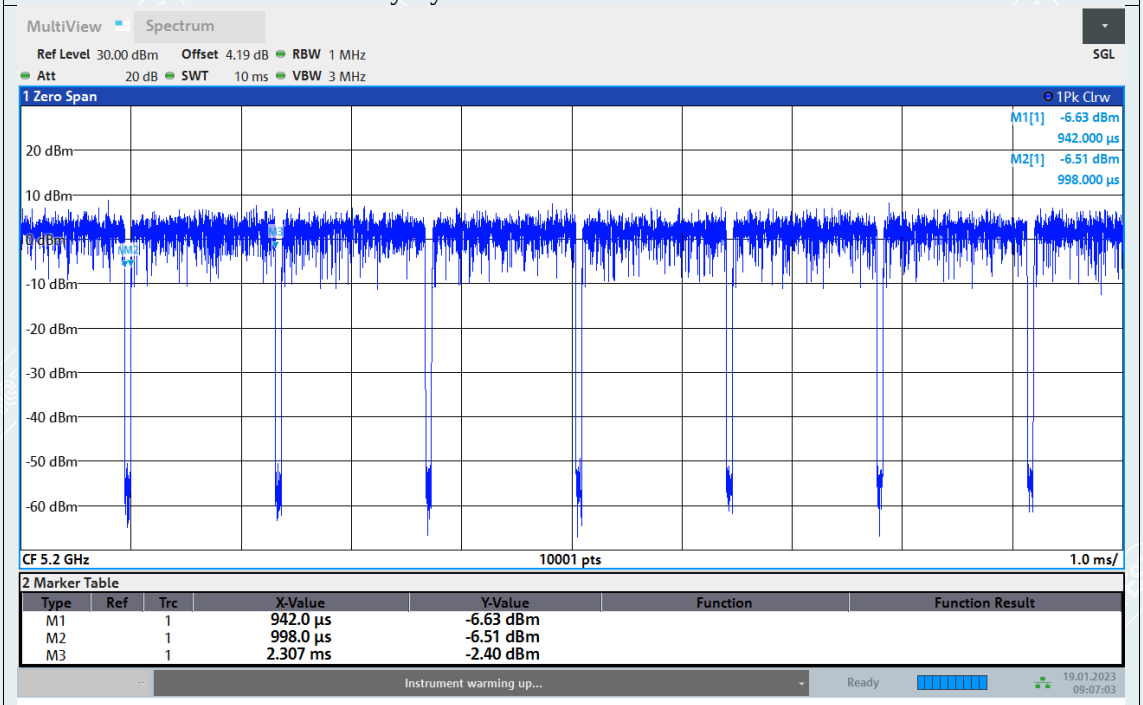
Duty Cycle NVNT n20 5180MHz Ant2



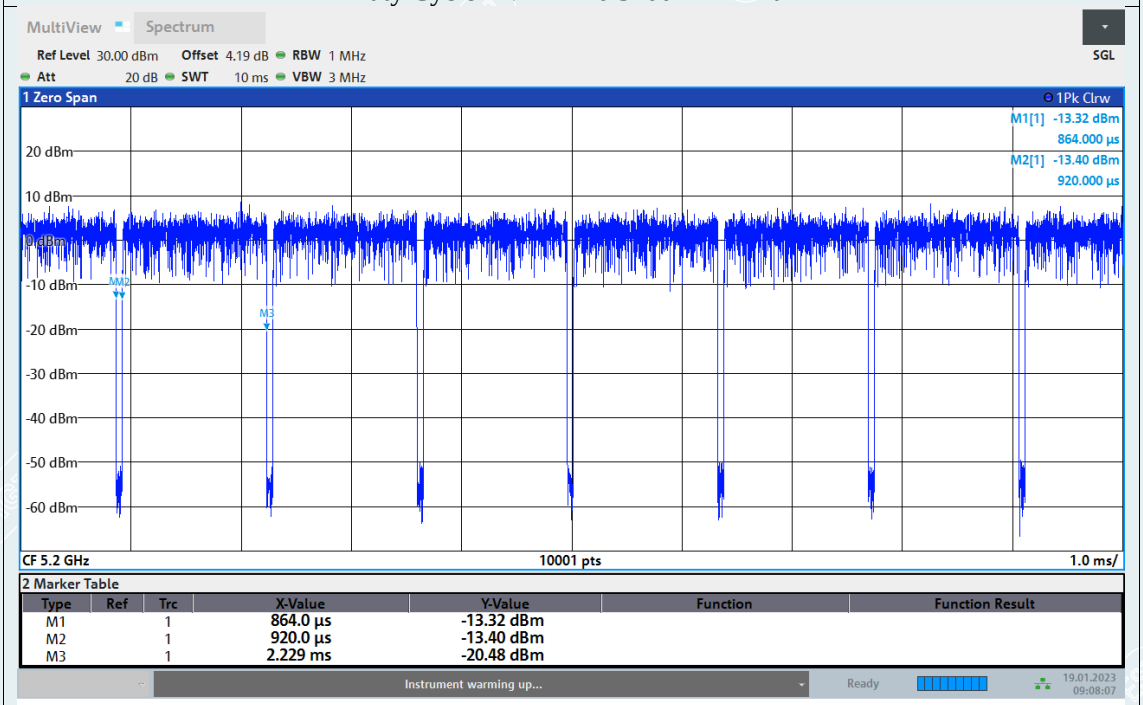

Duty Cycle NVNT n20 5180MHz Ant3



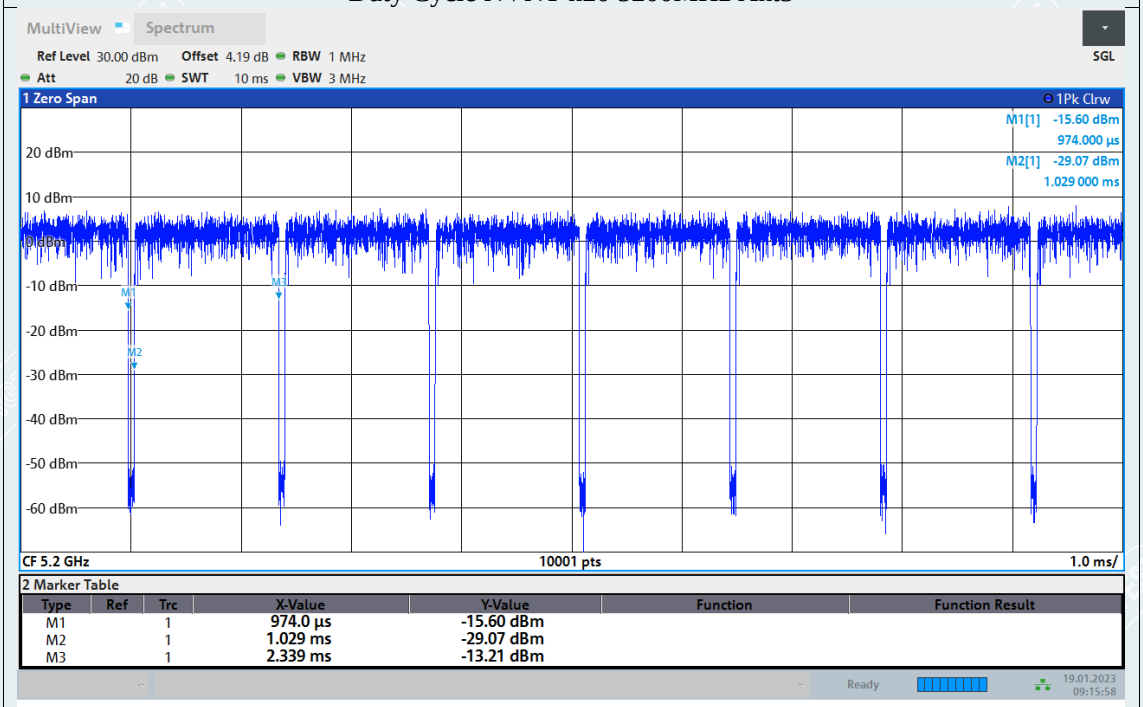
Duty Cycle NVNT n20 5200MHz Ant1



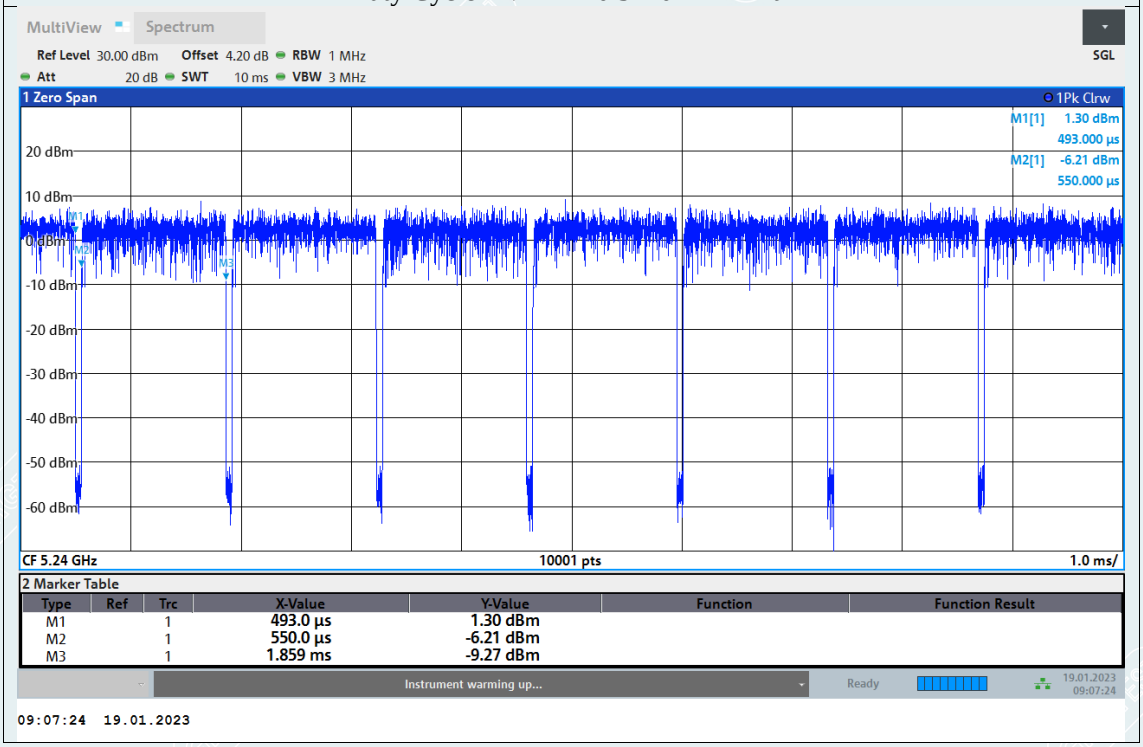

Duty Cycle NVNT n20 5200MHz Ant2



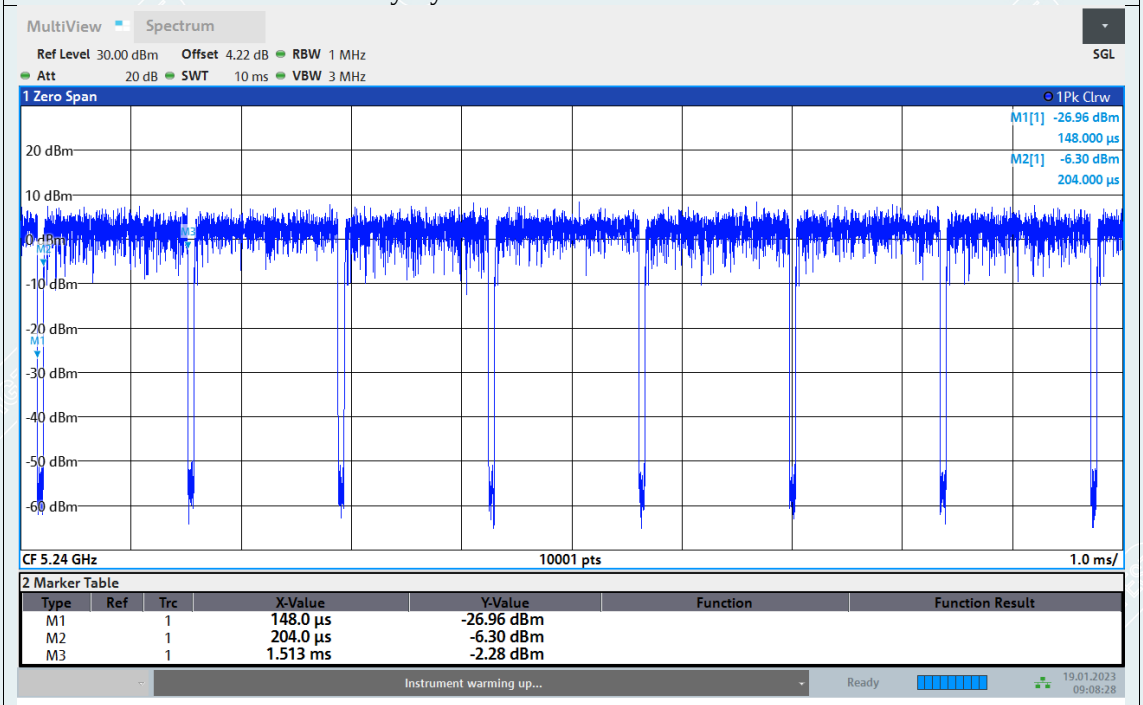
Duty Cycle NVNT n20 5200MHz Ant3



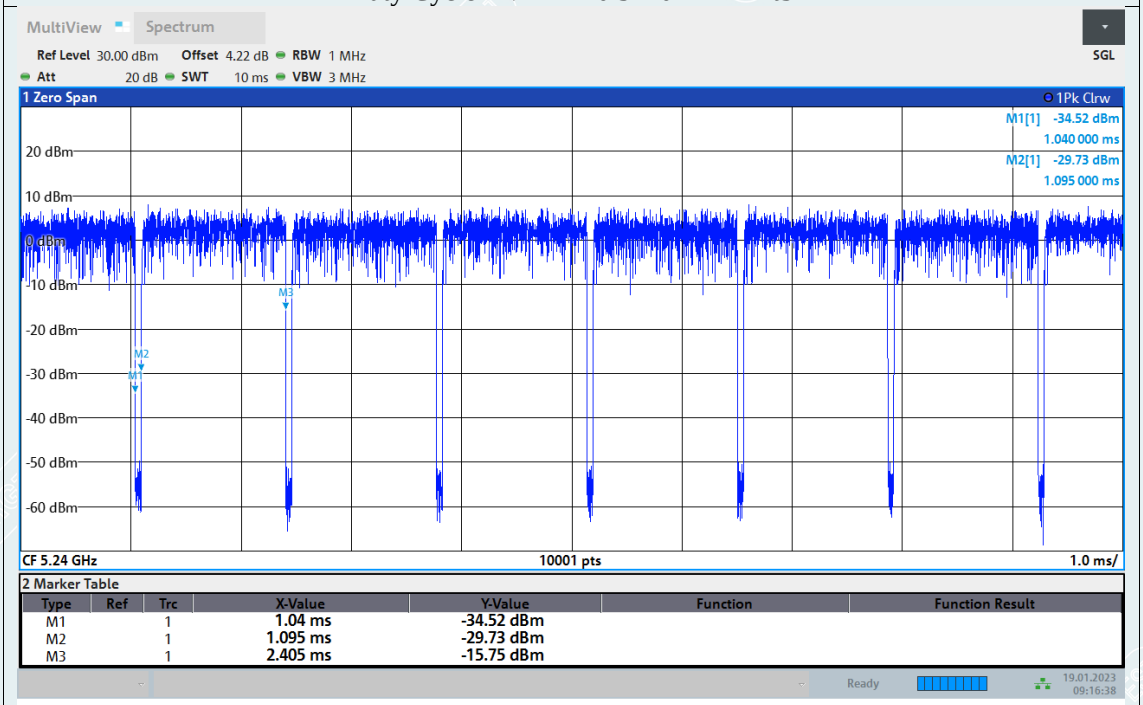

Duty Cycle NVNT n20 5240MHz Ant1



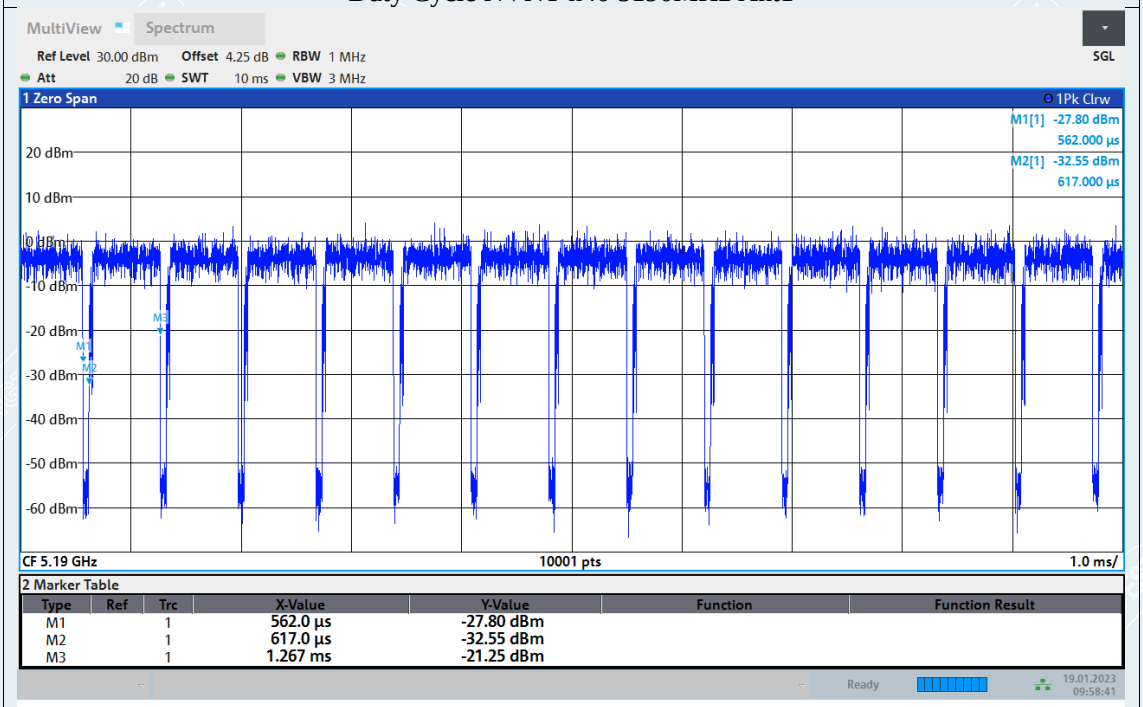
Duty Cycle NVNT n20 5240MHz Ant2



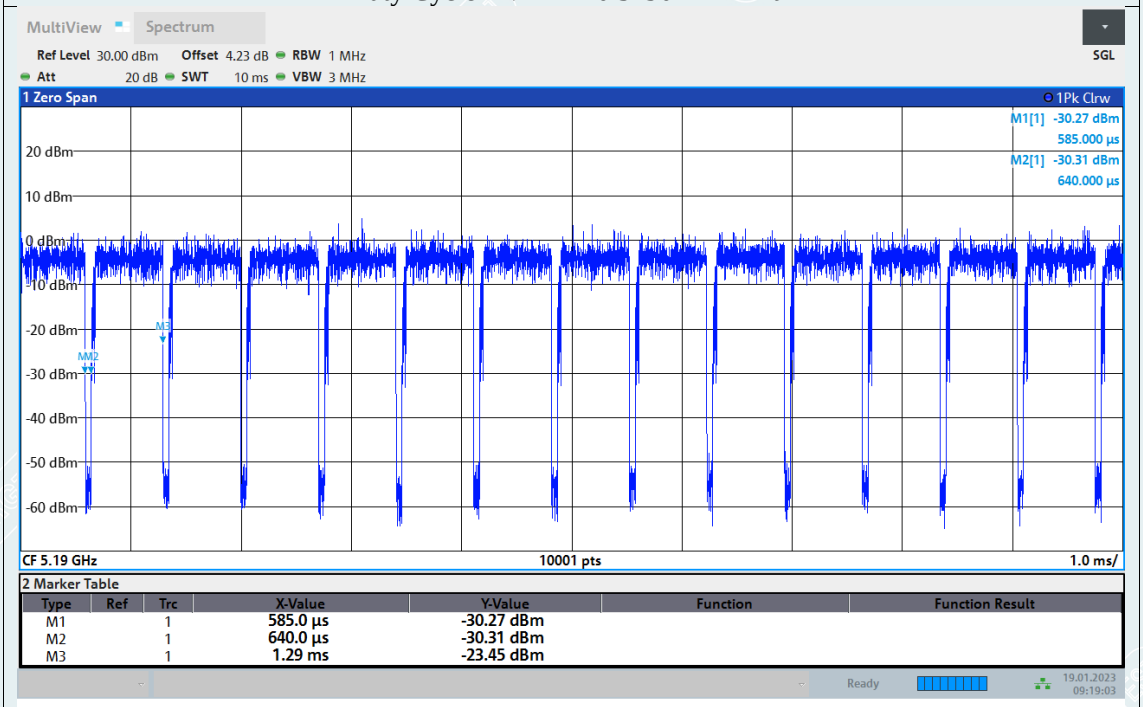

Duty Cycle NVNT n20 5240MHz Ant3



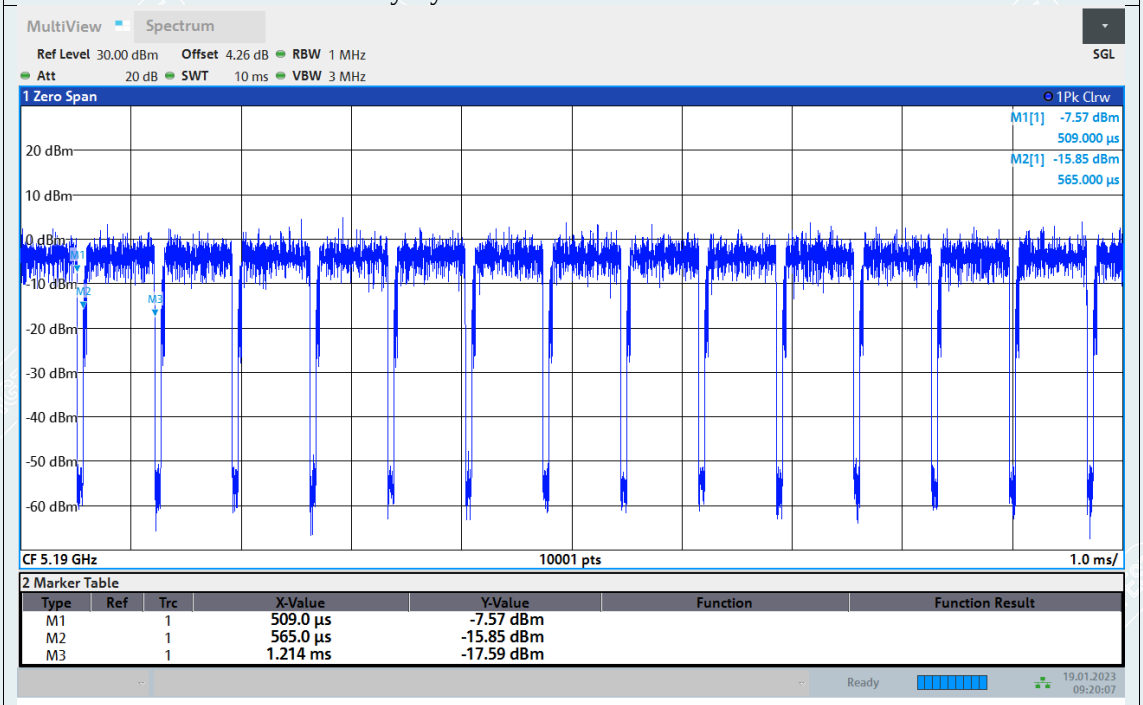
Duty Cycle NVNT n40 5190MHz Ant1



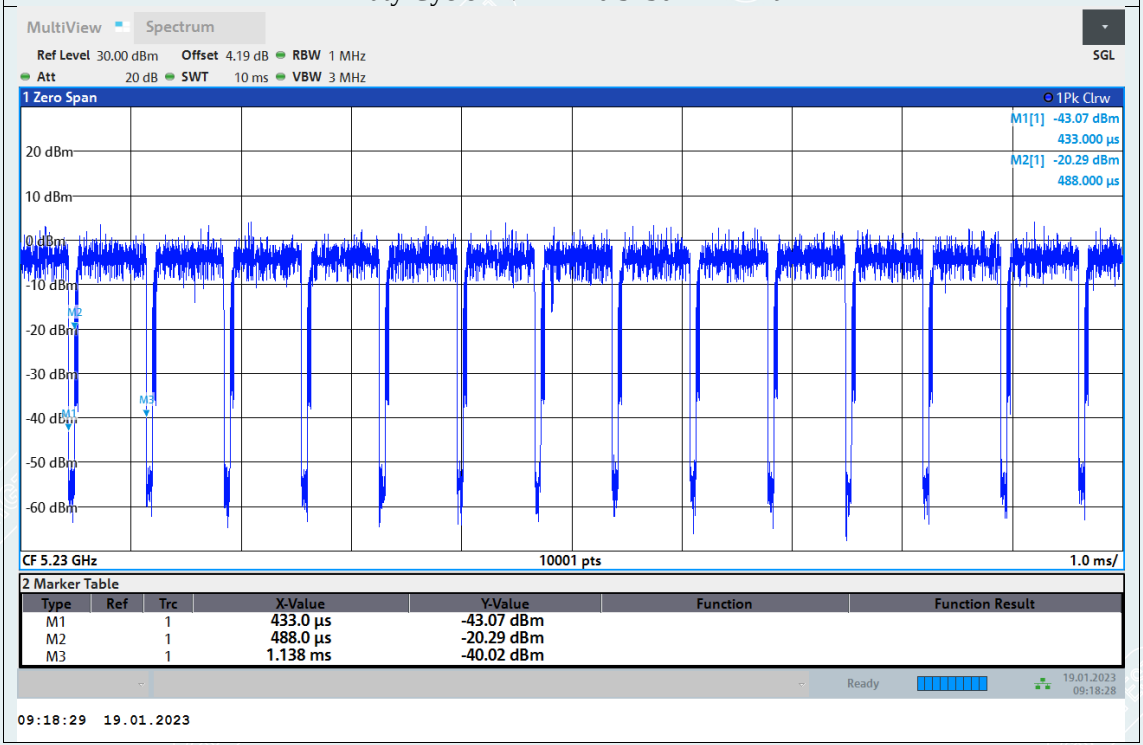

Duty Cycle NVNT n40 5190MHz Ant2



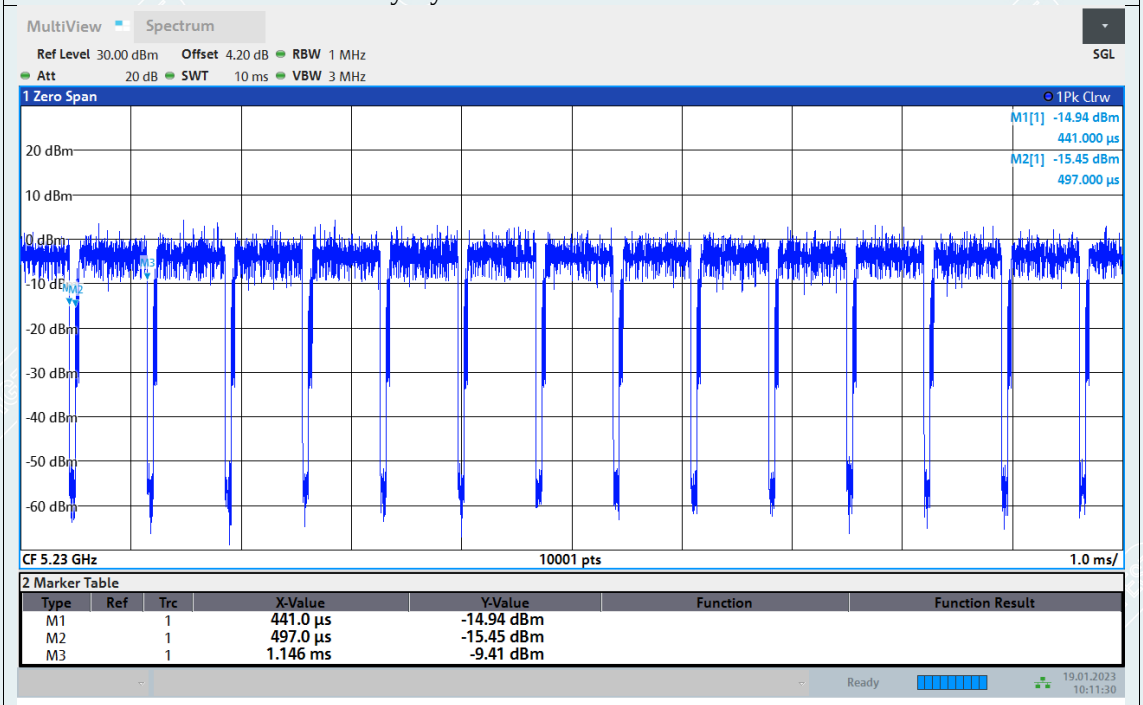
Duty Cycle NVNT n40 5190MHz Ant3



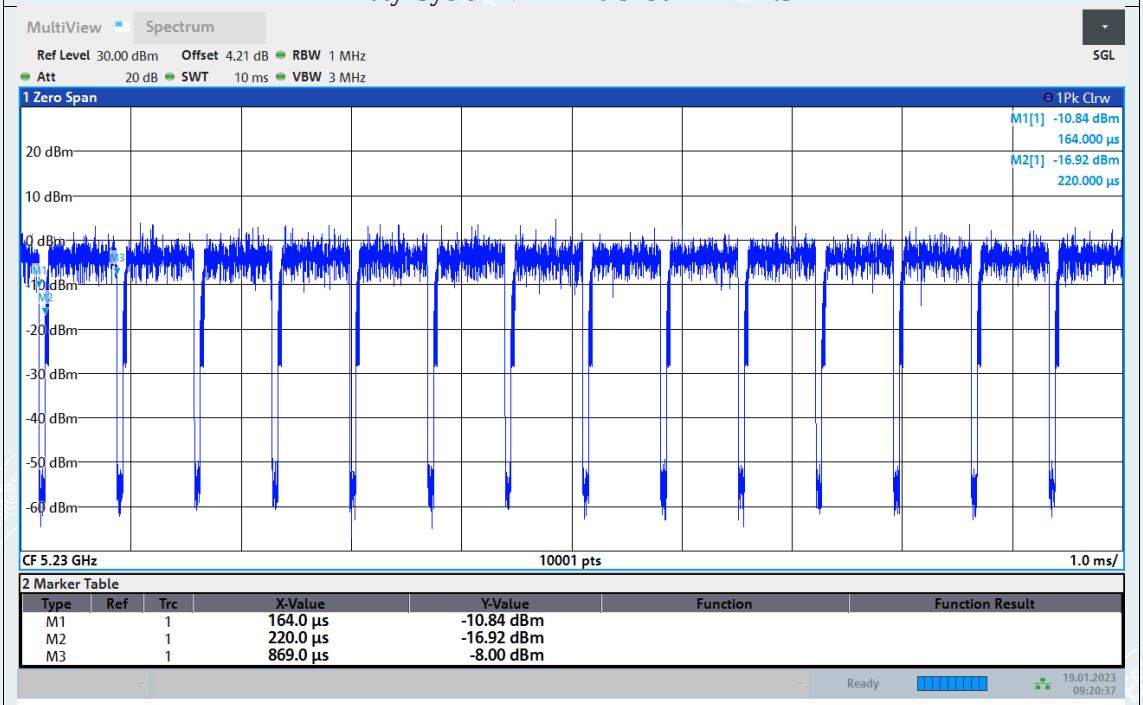

Duty Cycle NVNT n40 5230MHz Ant1



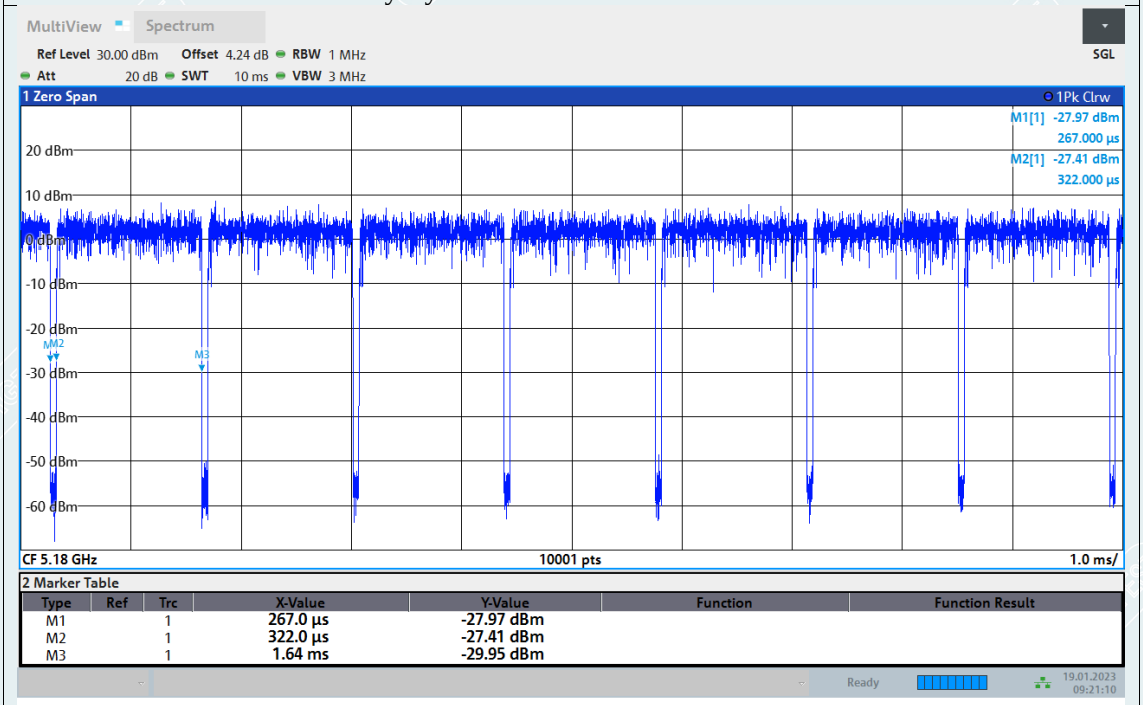
Duty Cycle NVNT n40 5230MHz Ant2



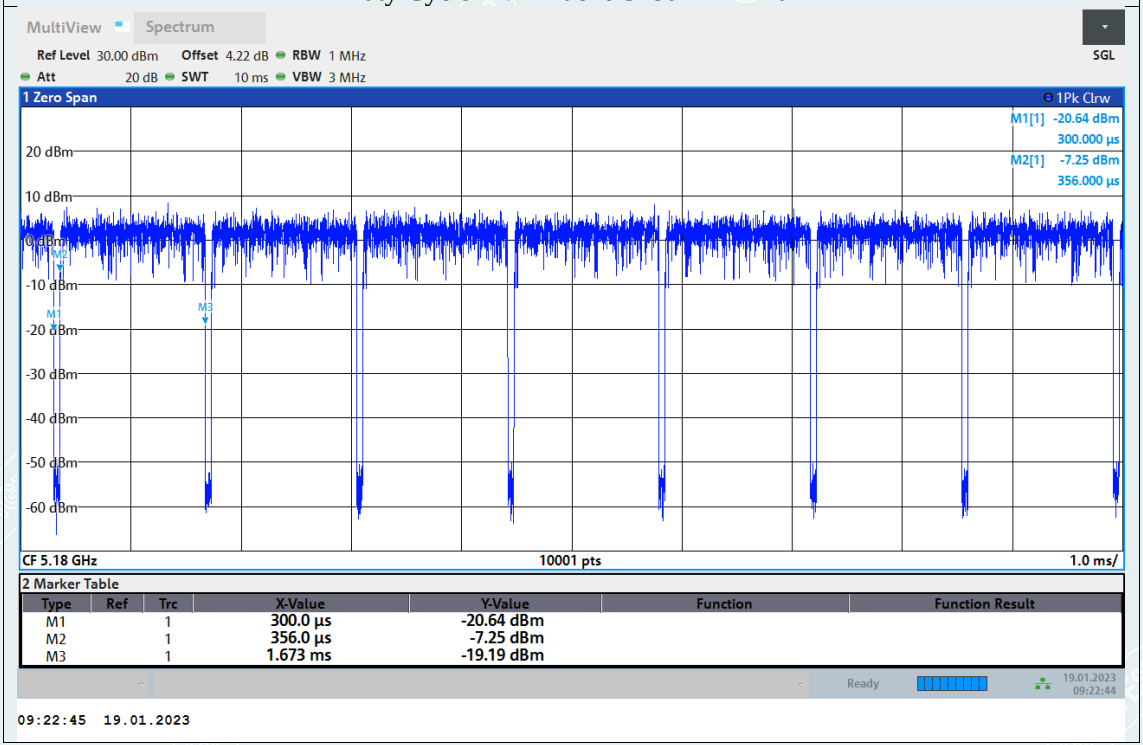

Duty Cycle NVNT n40 5230MHz Ant3



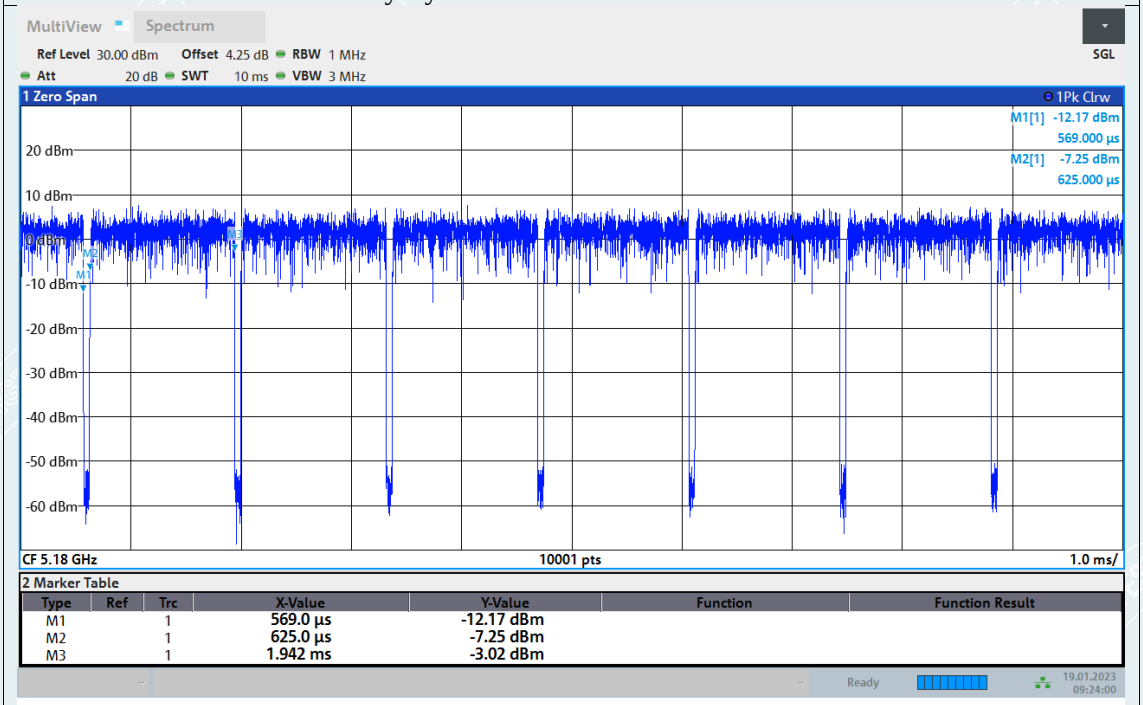
Duty Cycle NVNT ac20 5180MHz Ant1



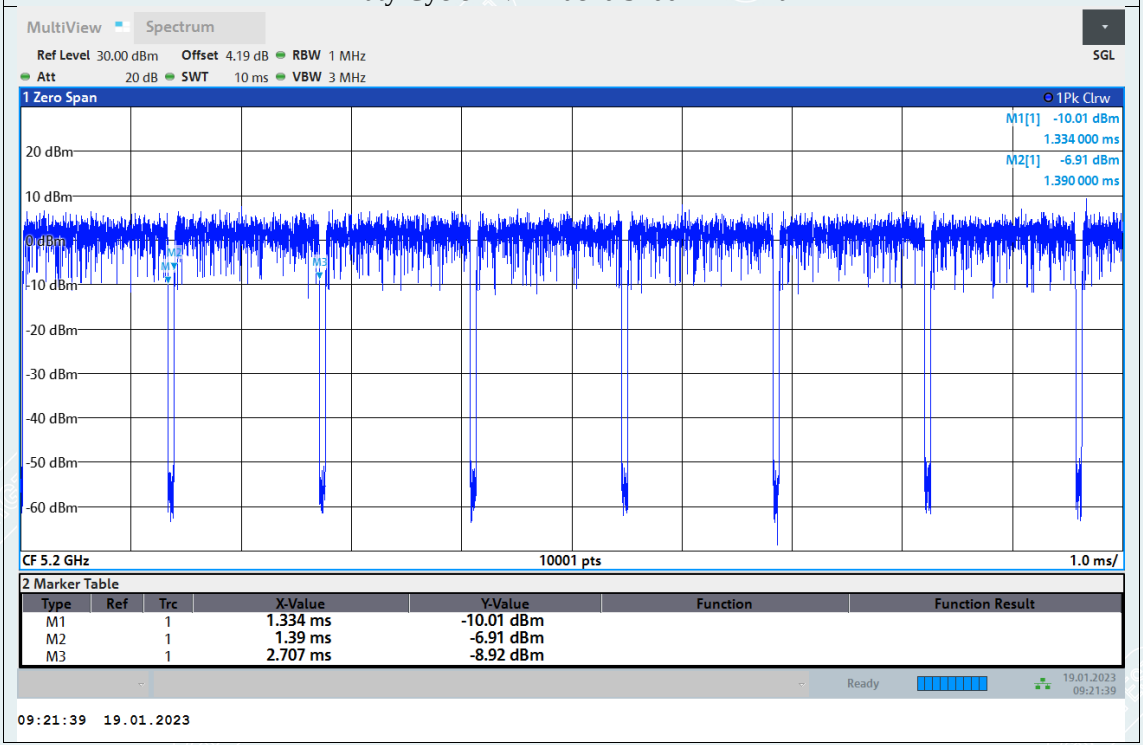

Duty Cycle NVNT ac20 5180MHz Ant2



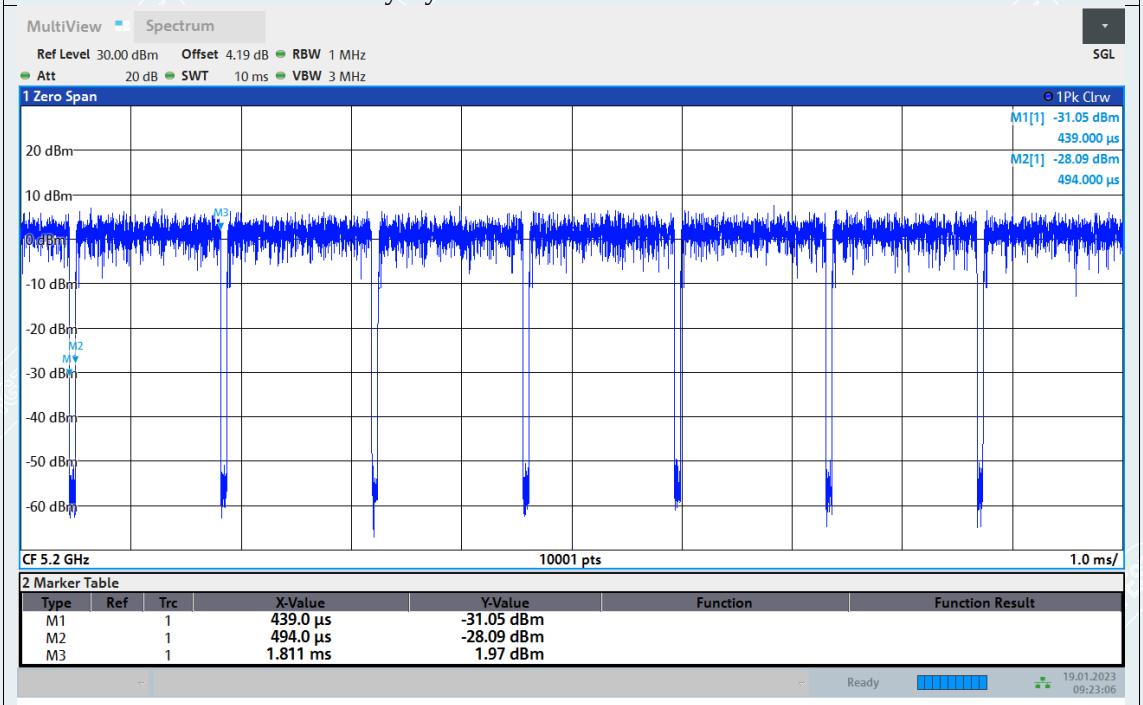
Duty Cycle NVNT ac20 5180MHz Ant3



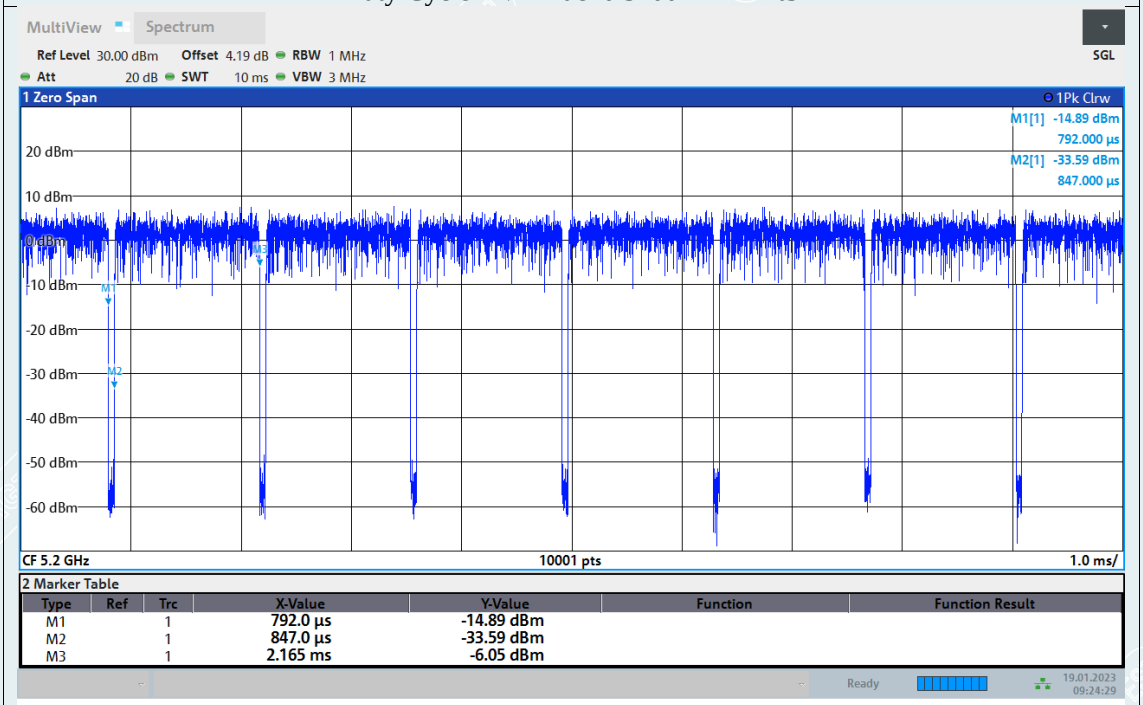

Duty Cycle NVNT ac20 5200MHz Ant1



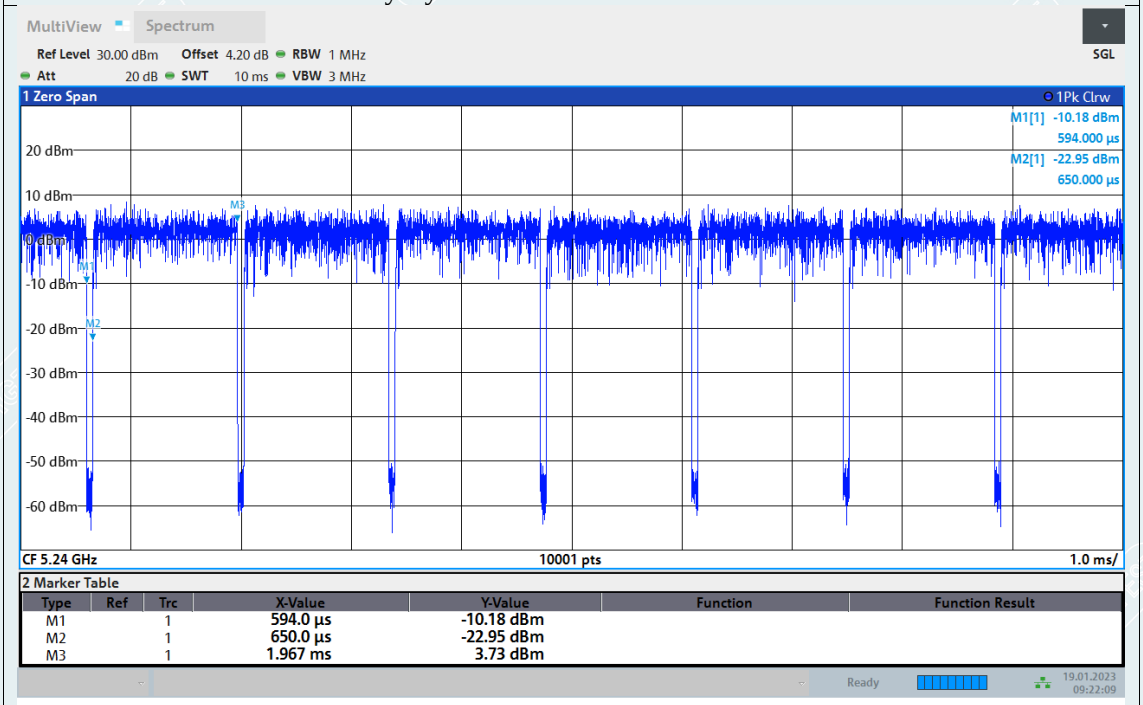
Duty Cycle NVNT ac20 5200MHz Ant2



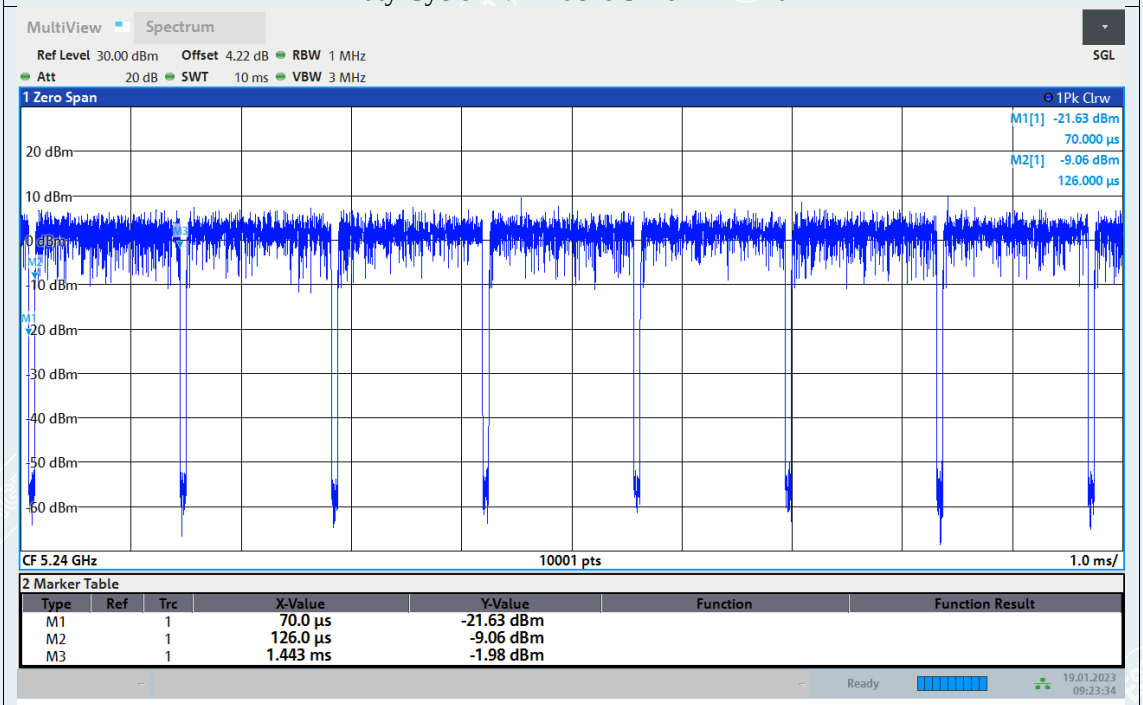

Duty Cycle NVNT ac20 5200MHz Ant3



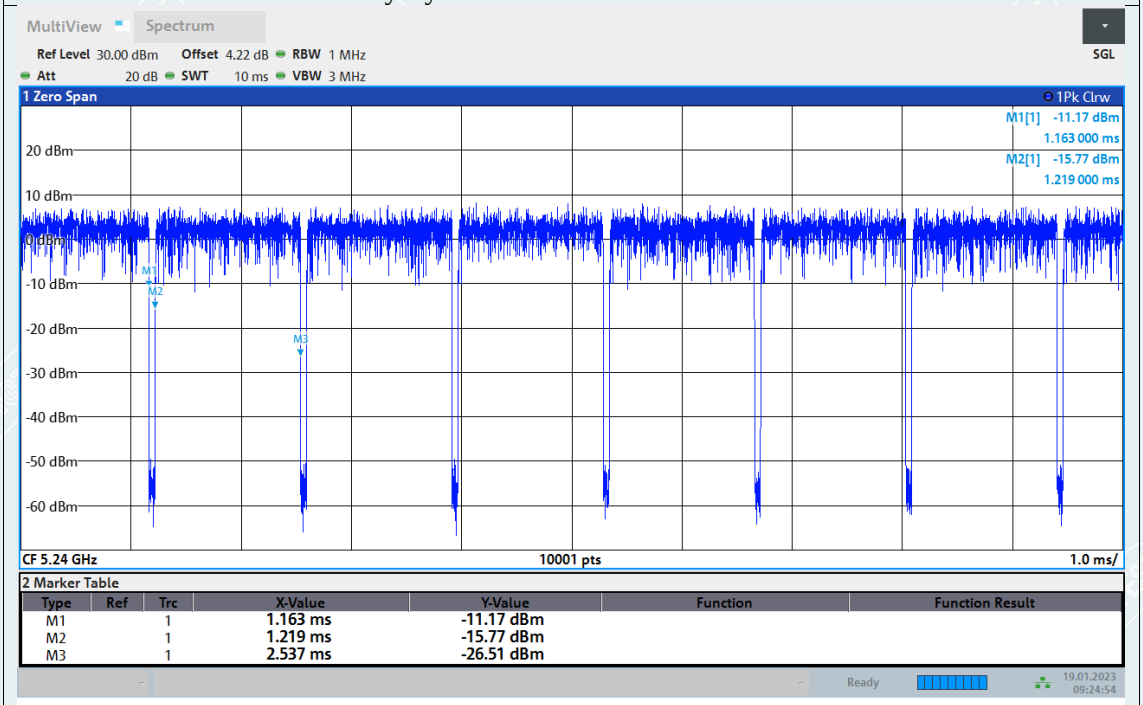
Duty Cycle NVNT ac20 5240MHz Ant1



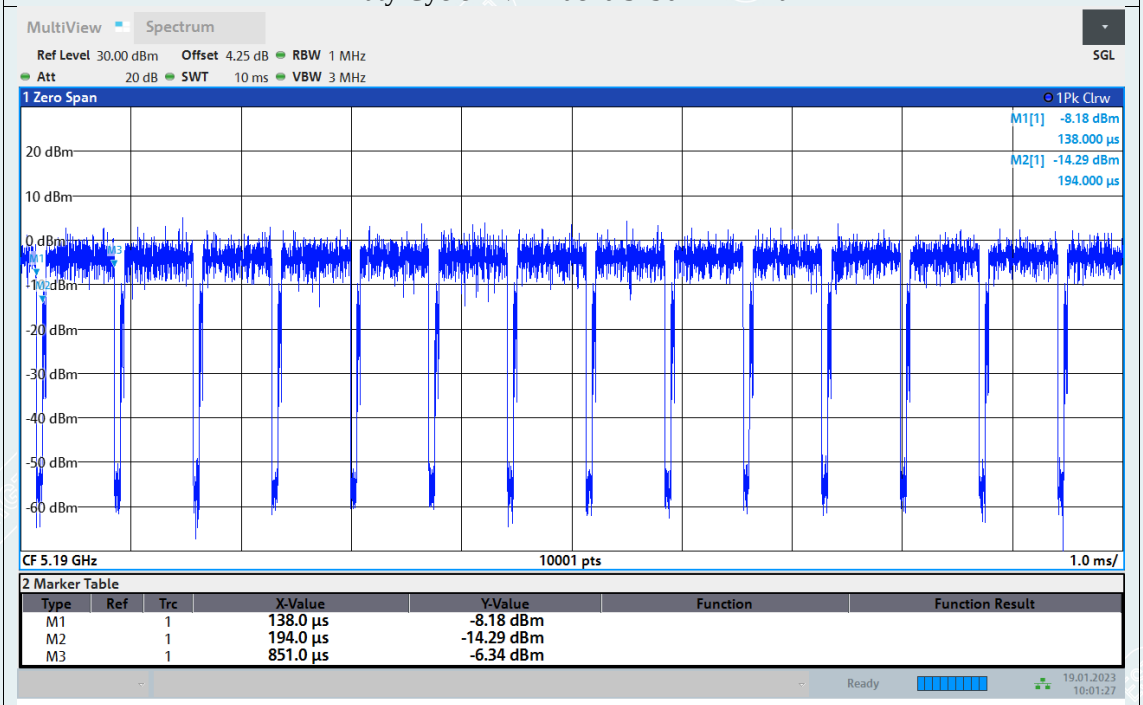

Duty Cycle NVNT ac20 5240MHz Ant2



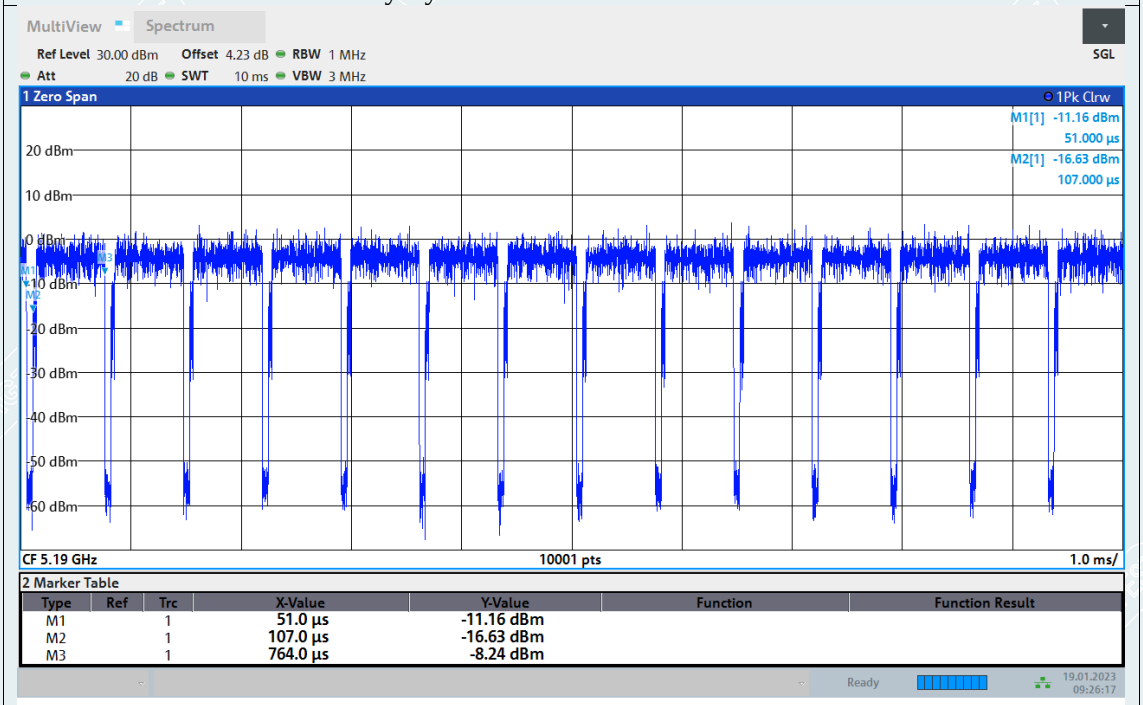
Duty Cycle NVNT ac20 5240MHz Ant3



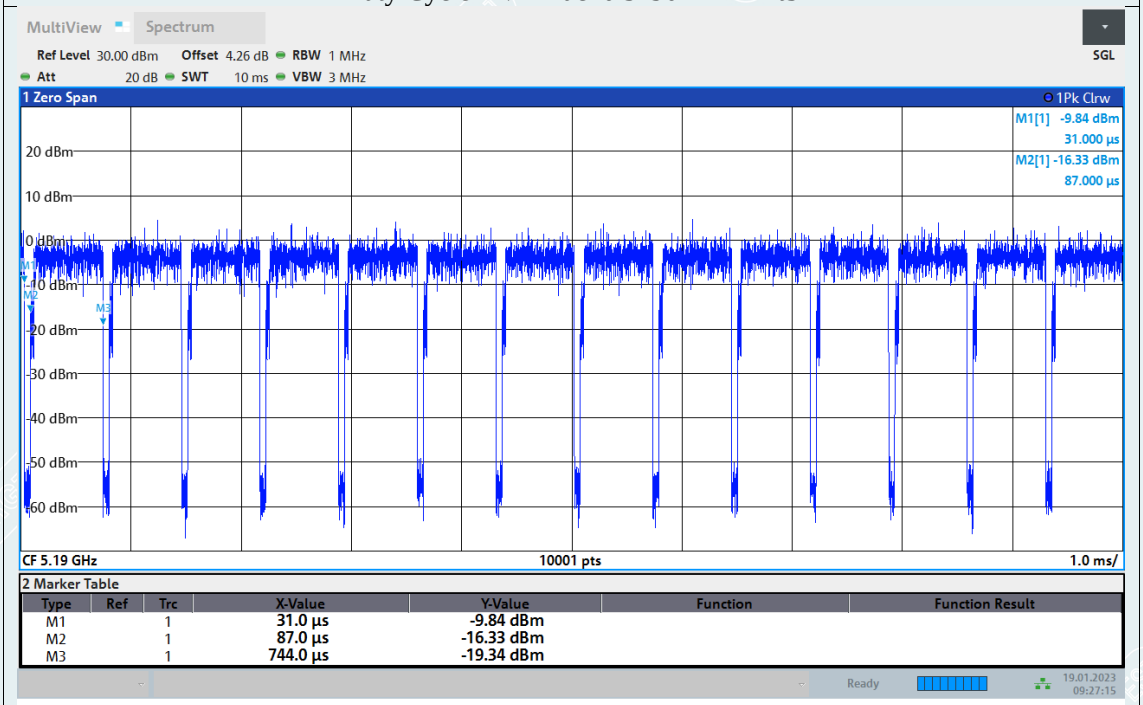

Duty Cycle NVNT ac40 5190MHz Ant1



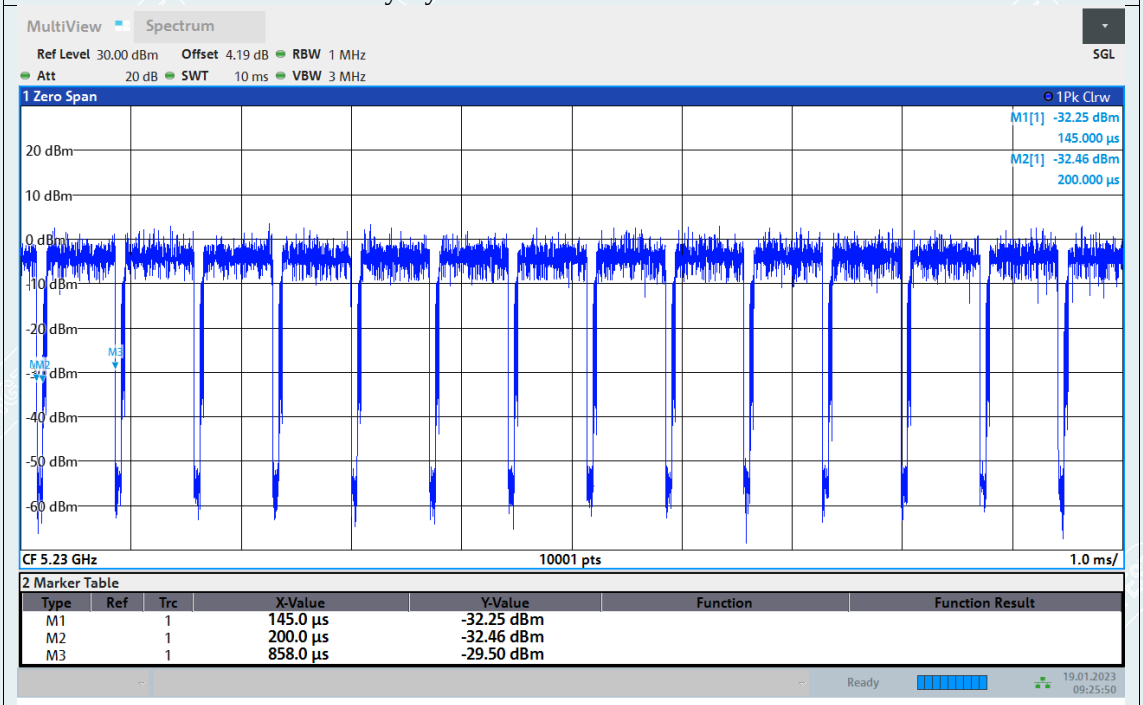
Duty Cycle NVNT ac40 5190MHz Ant2



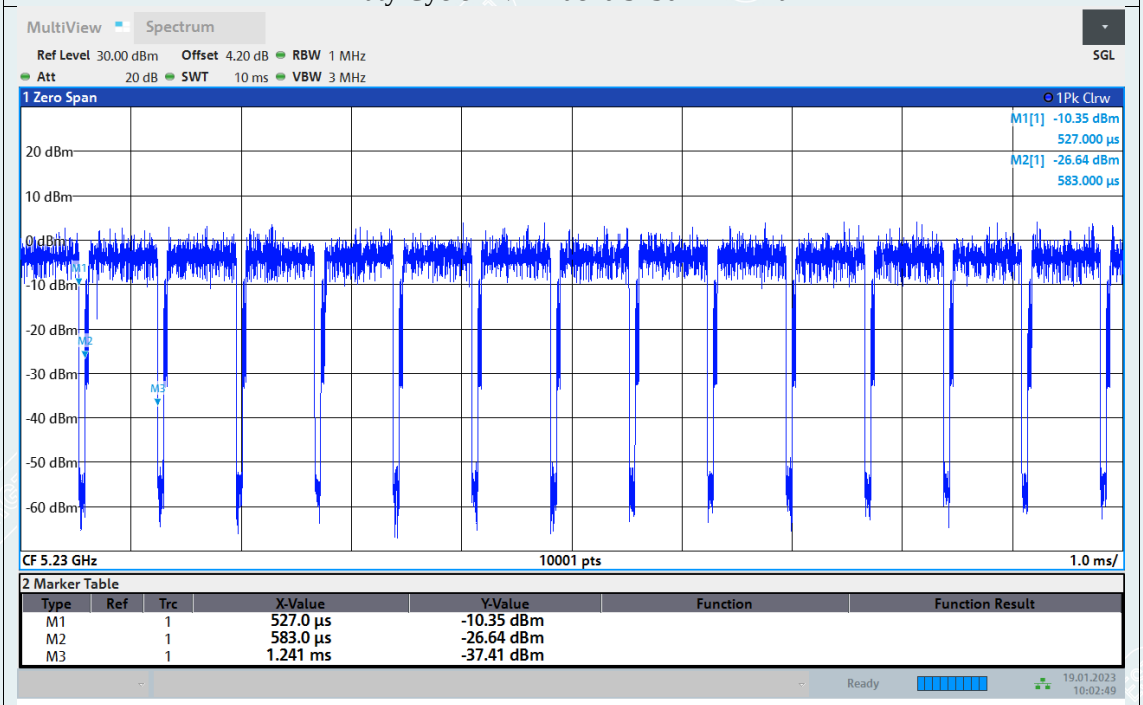

Duty Cycle NVNT ac40 5190MHz Ant3



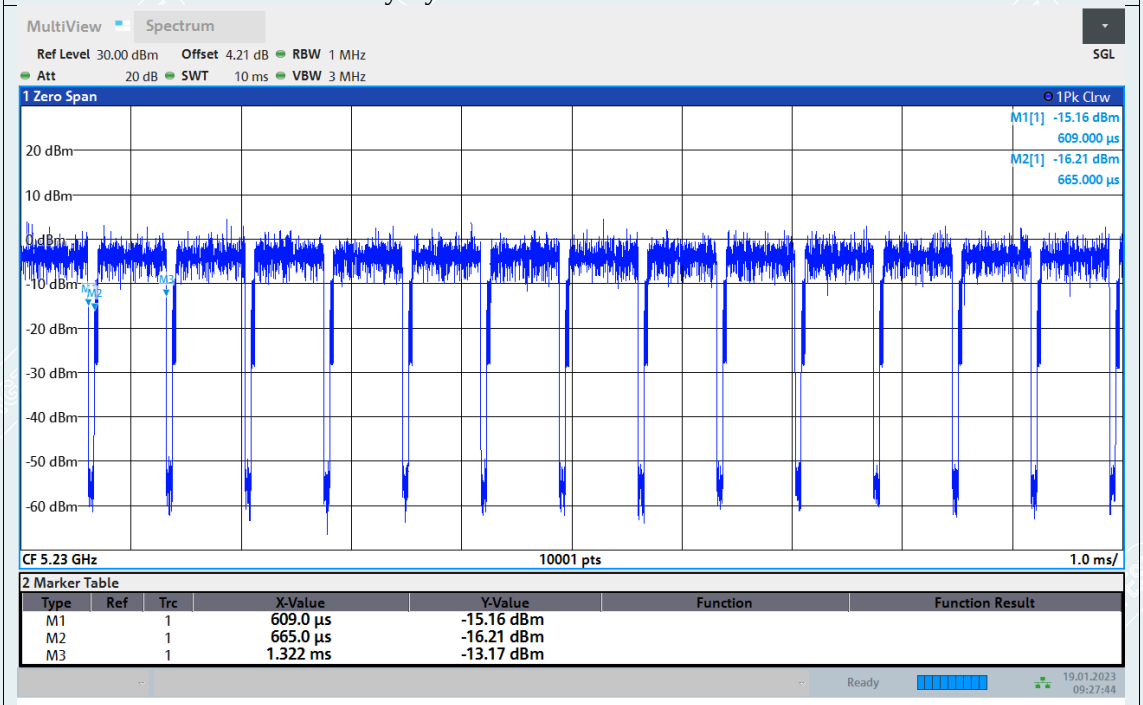
Duty Cycle NVNT ac40 5230MHz Ant1



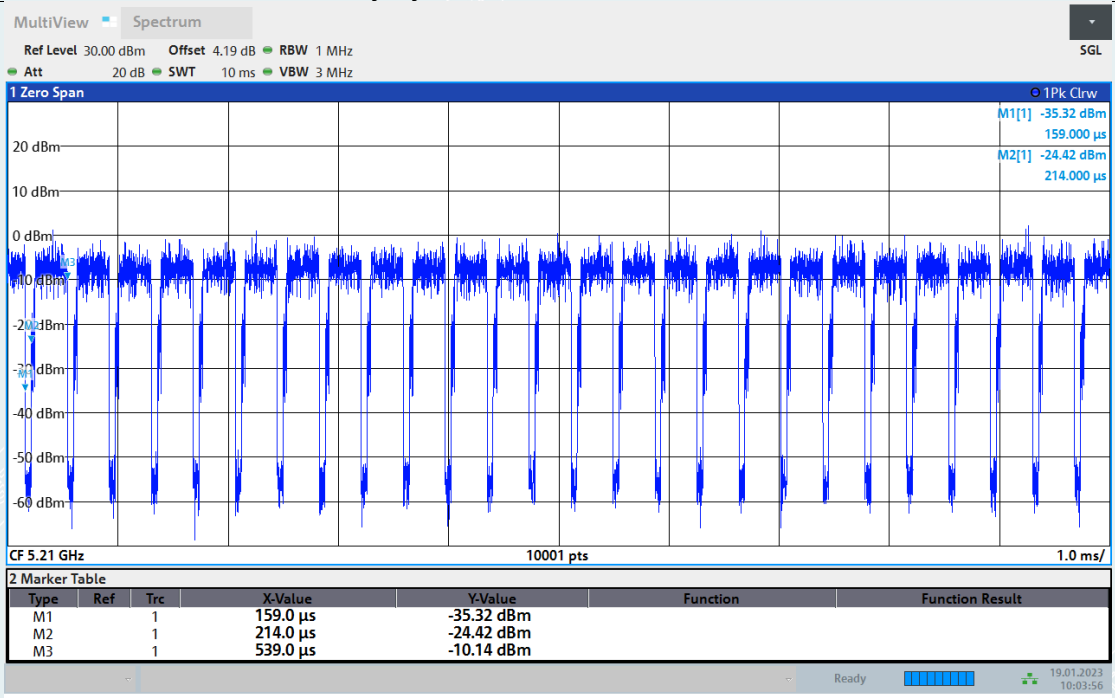

Duty Cycle NVNT ac40 5230MHz Ant2



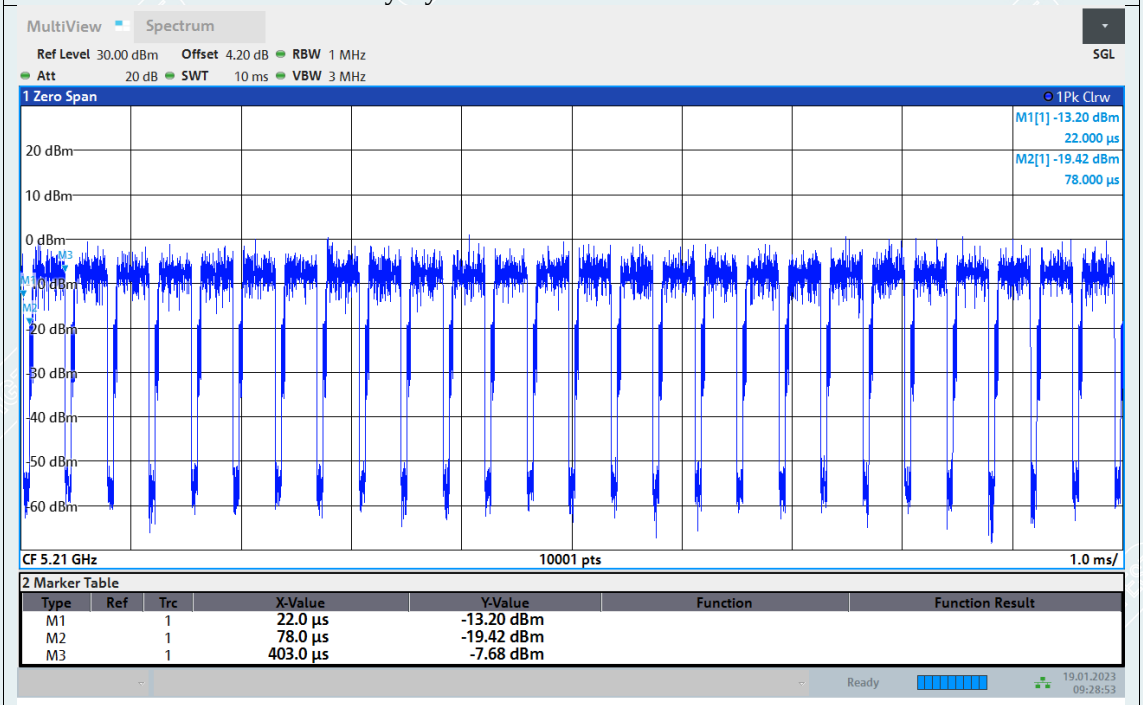
Duty Cycle NVNT ac40 5230MHz Ant3



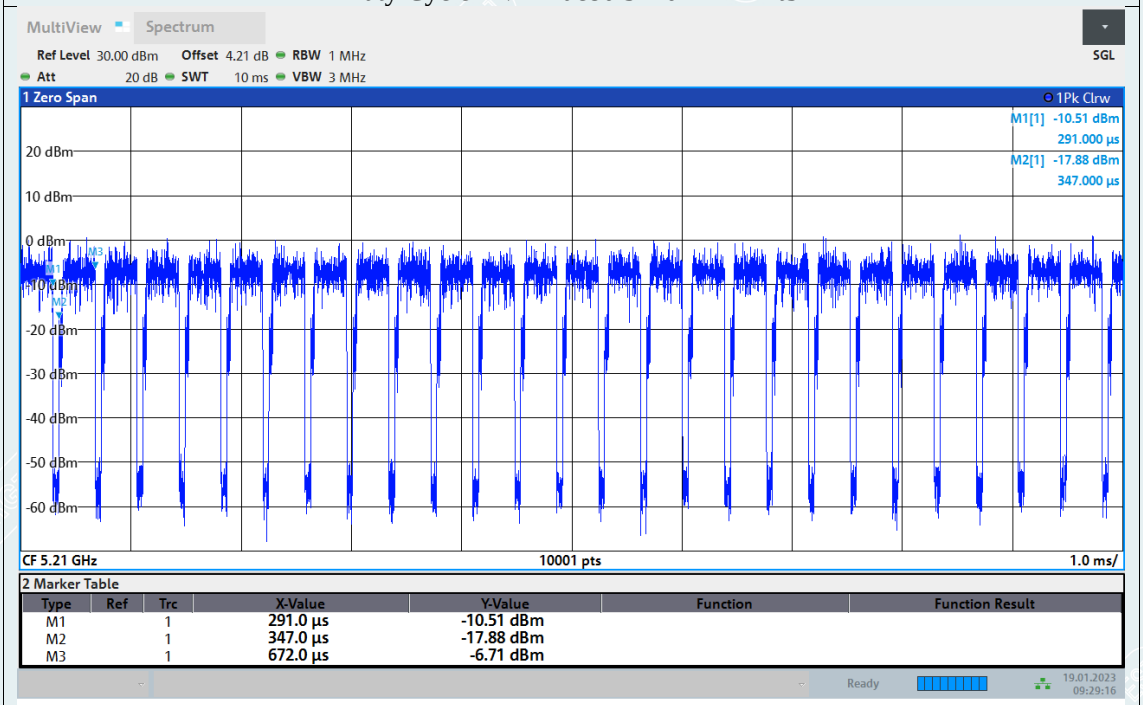

Duty Cycle NVNT ac80 5210MHz Ant1



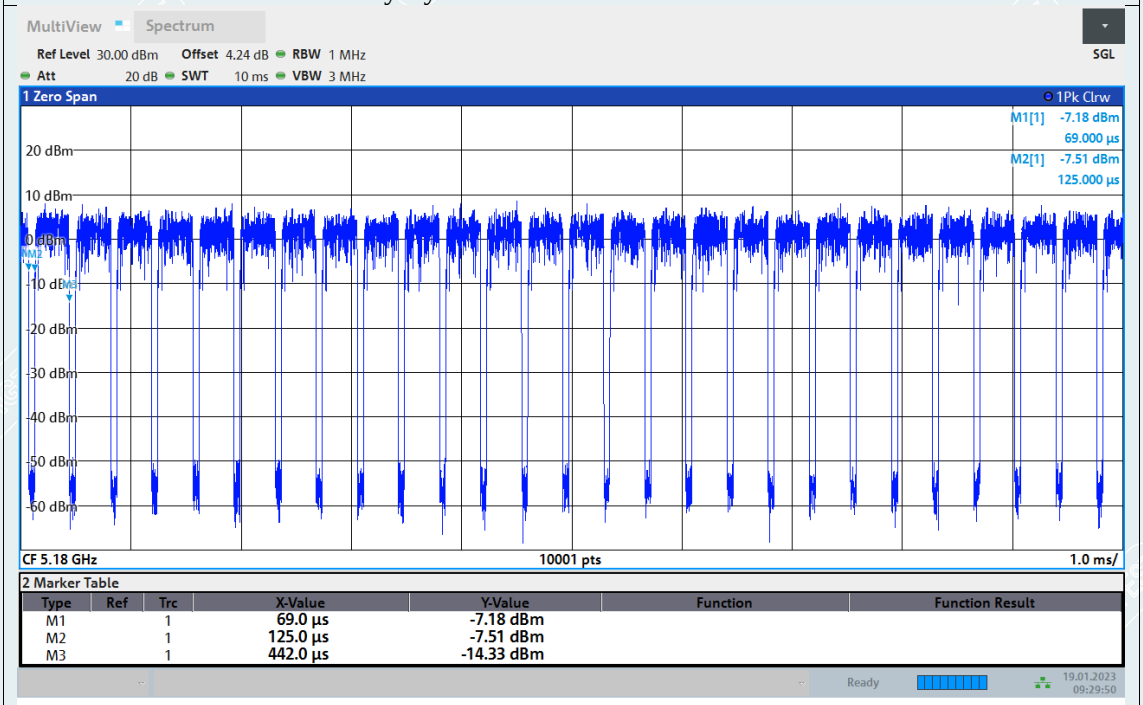
Duty Cycle NVNT ac80 5210MHz Ant2



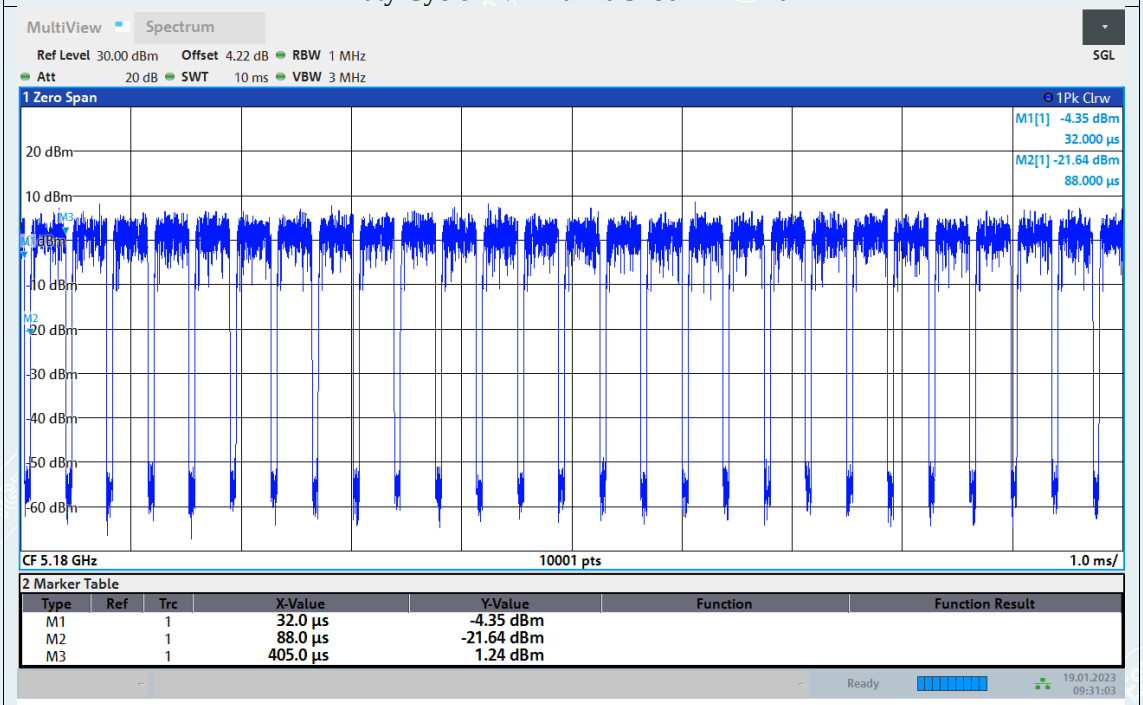

Duty Cycle NVNT ac80 5210MHz Ant3



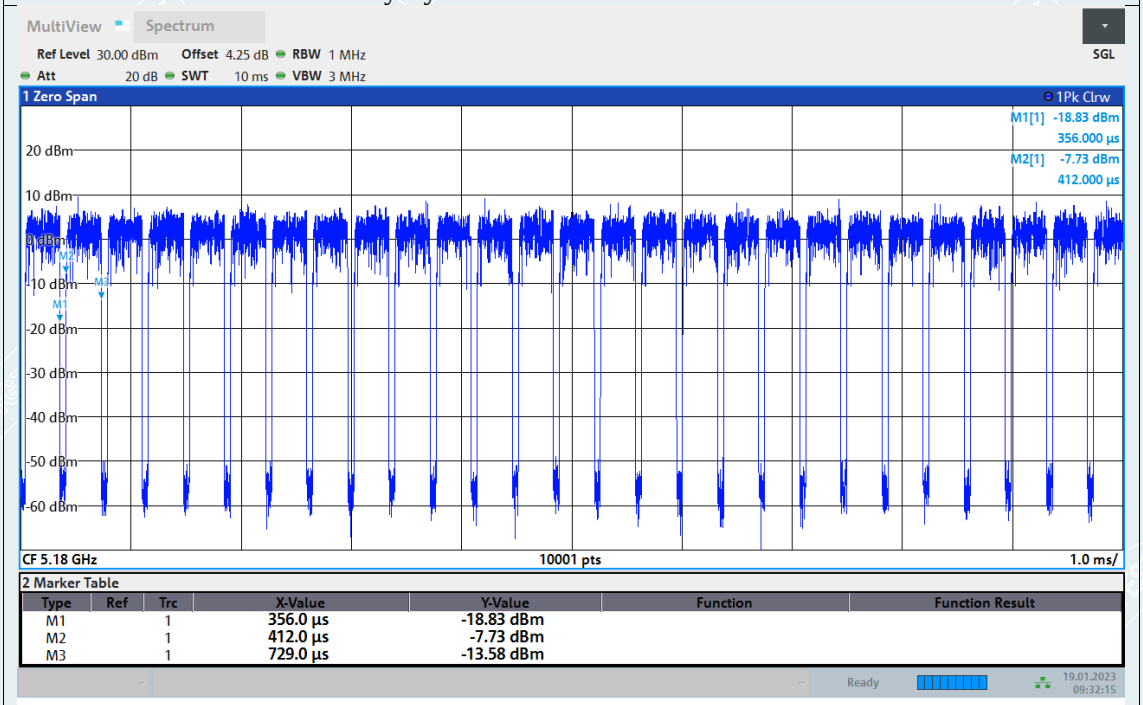
Duty Cycle NVNT ax20 5180MHz Ant1



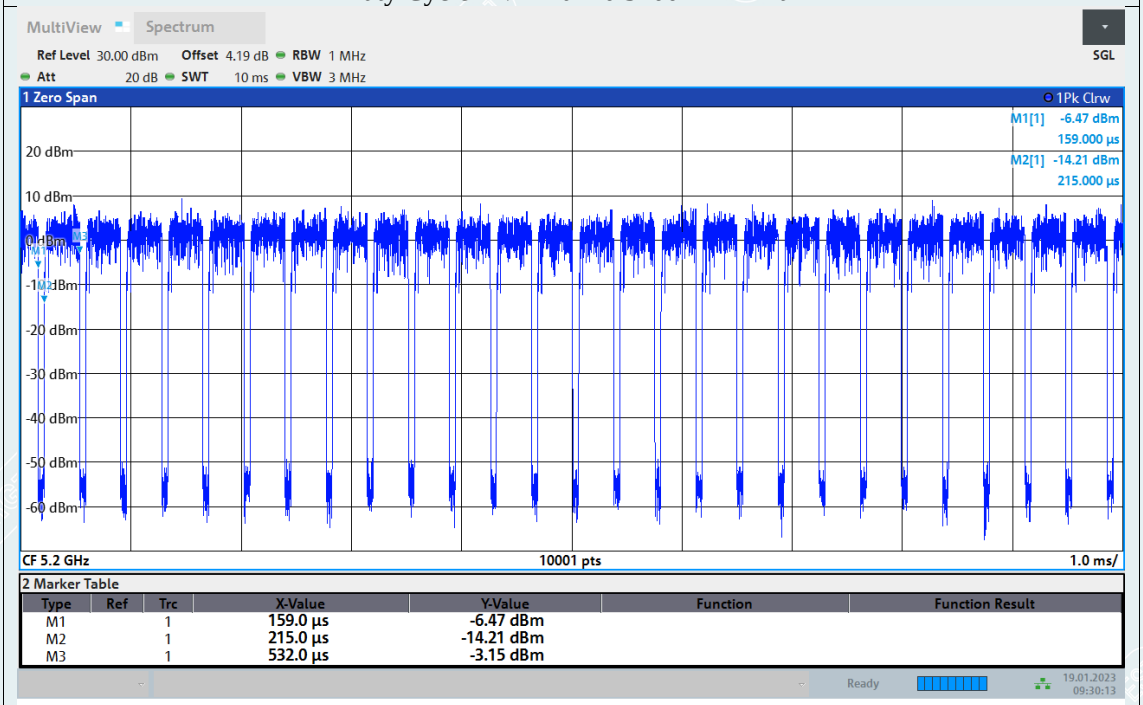

Duty Cycle NVNT ax20 5180MHz Ant2



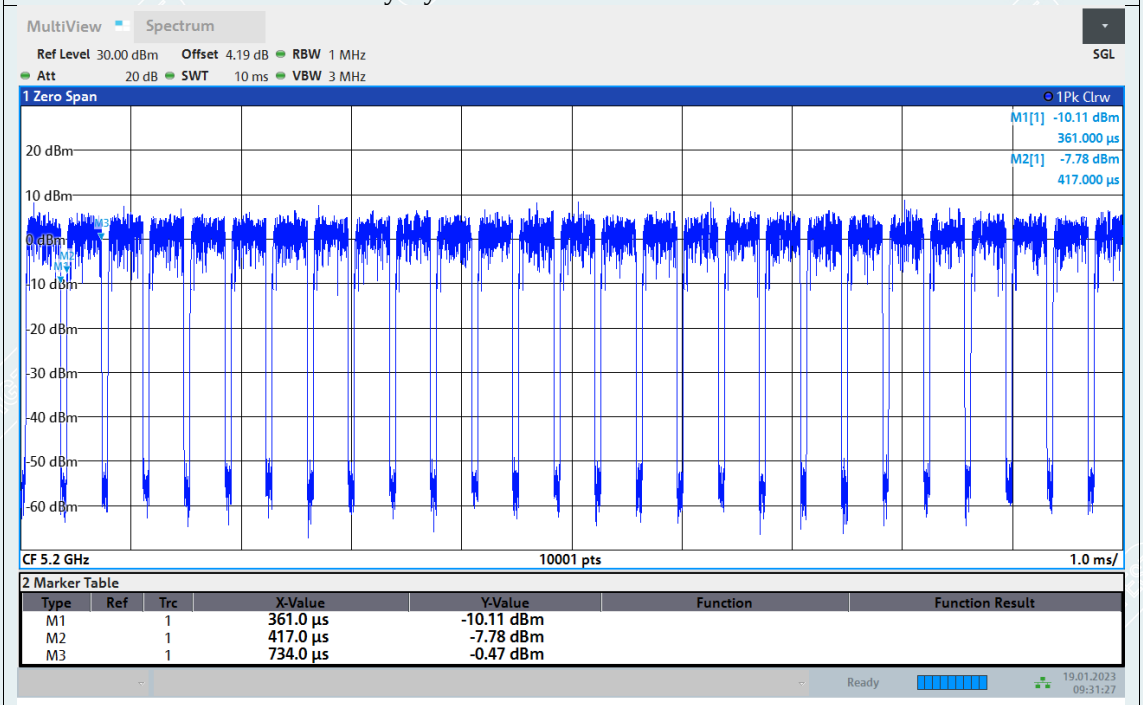
Duty Cycle NVNT ax20 5180MHz Ant3



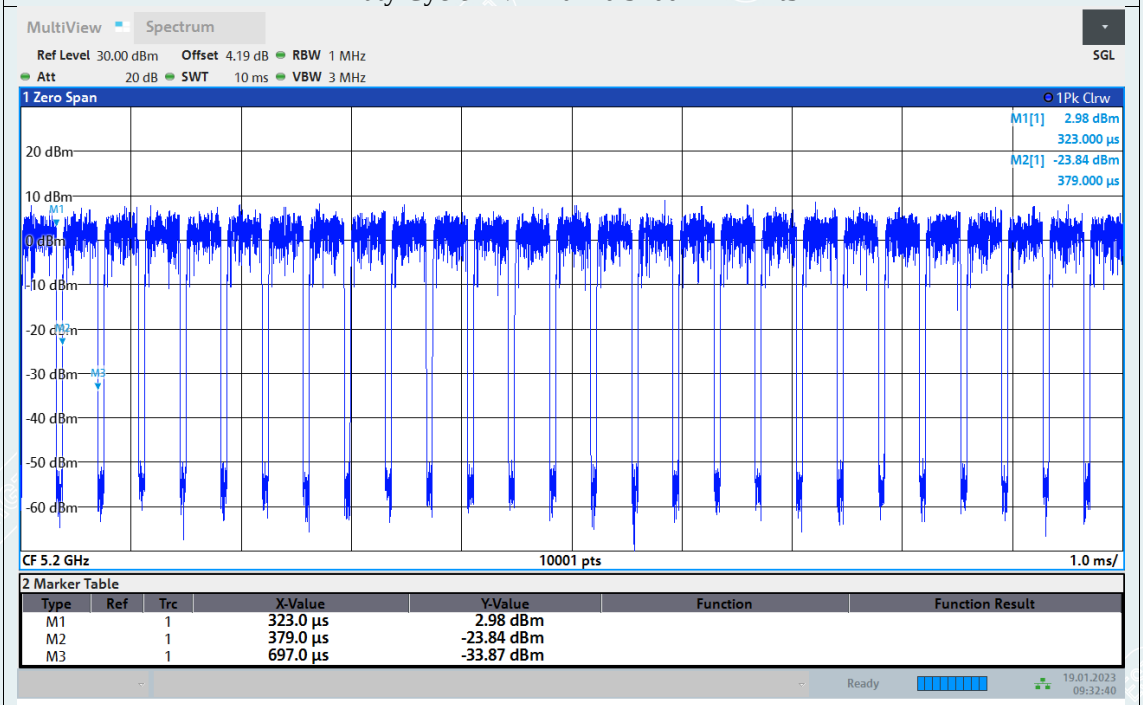

Duty Cycle NVNT ax20 5200MHz Ant1



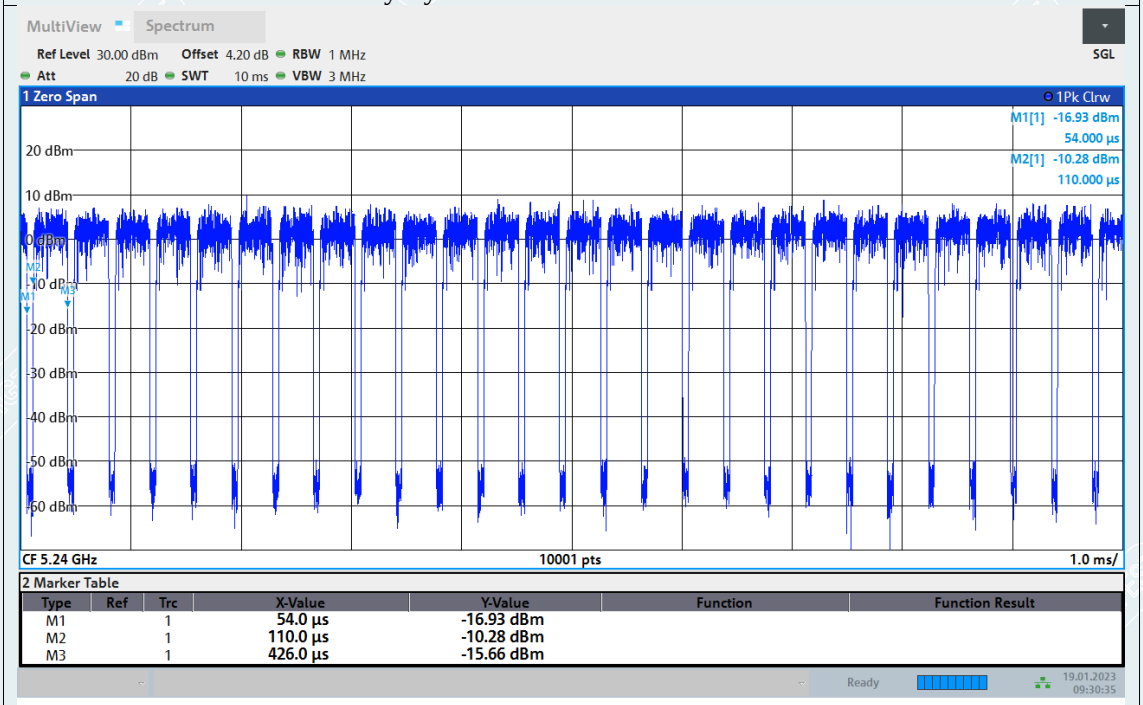
Duty Cycle NVNT ax20 5200MHz Ant2



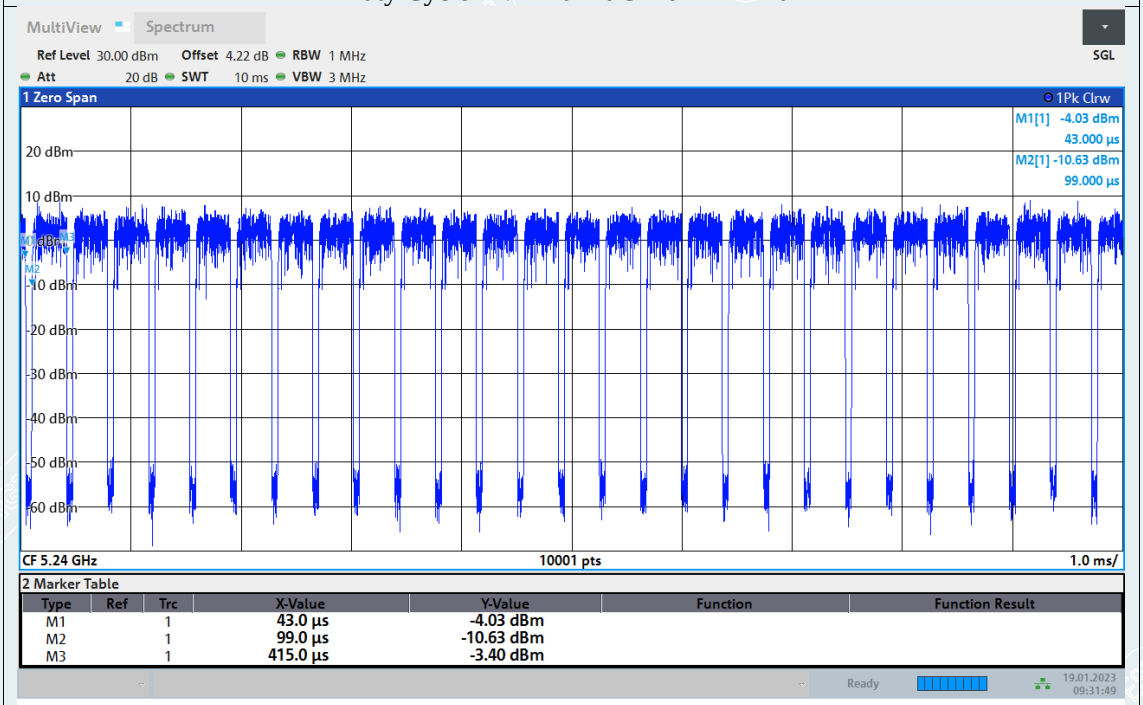

Duty Cycle NVNT ax20 5200MHz Ant3



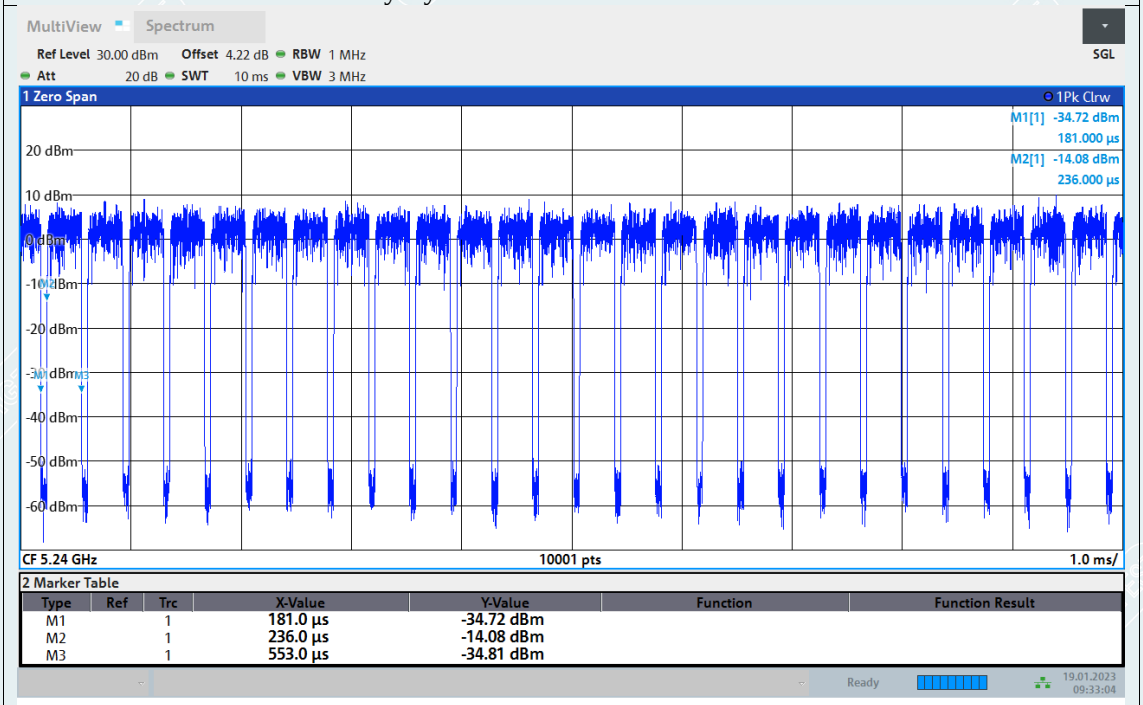
Duty Cycle NVNT ax20 5240MHz Ant1



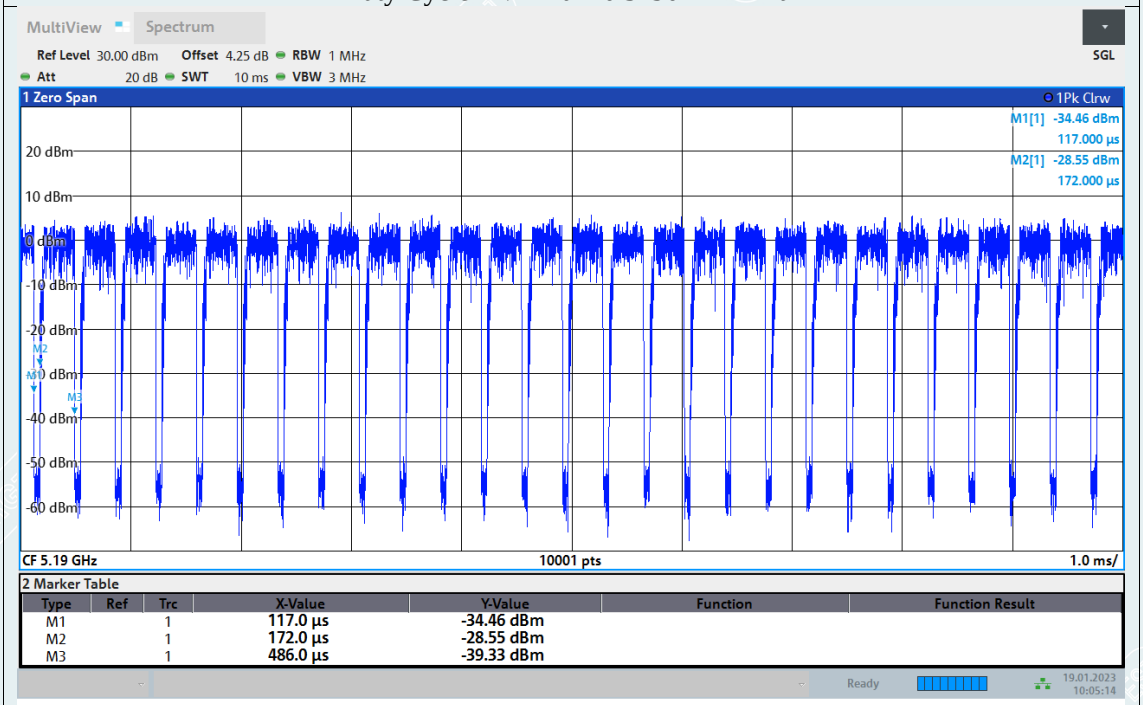

Duty Cycle NVNT ax20 5240MHz Ant2



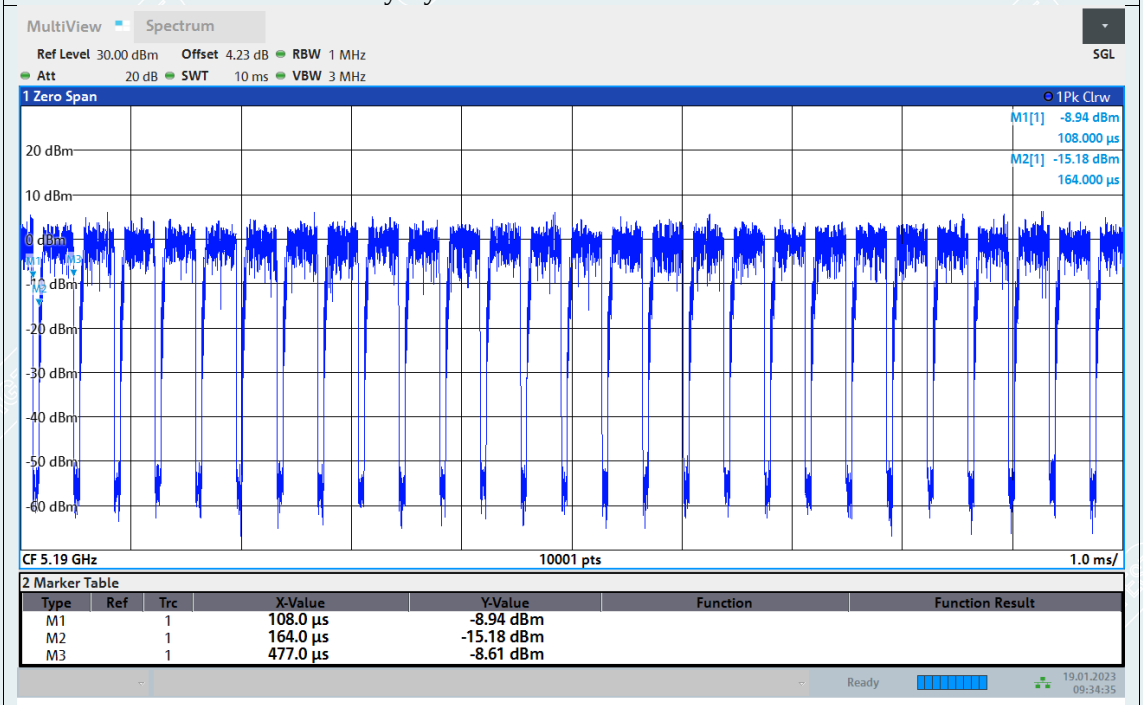
Duty Cycle NVNT ax20 5240MHz Ant3



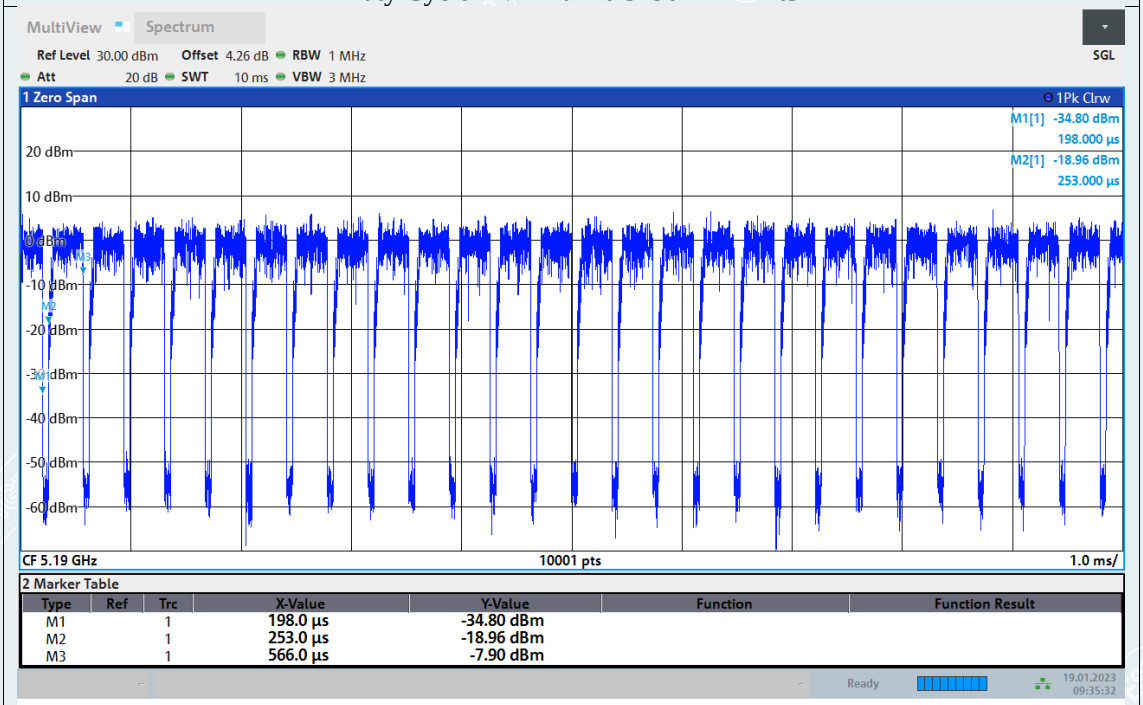

Duty Cycle NVNT ax40 5190MHz Ant1



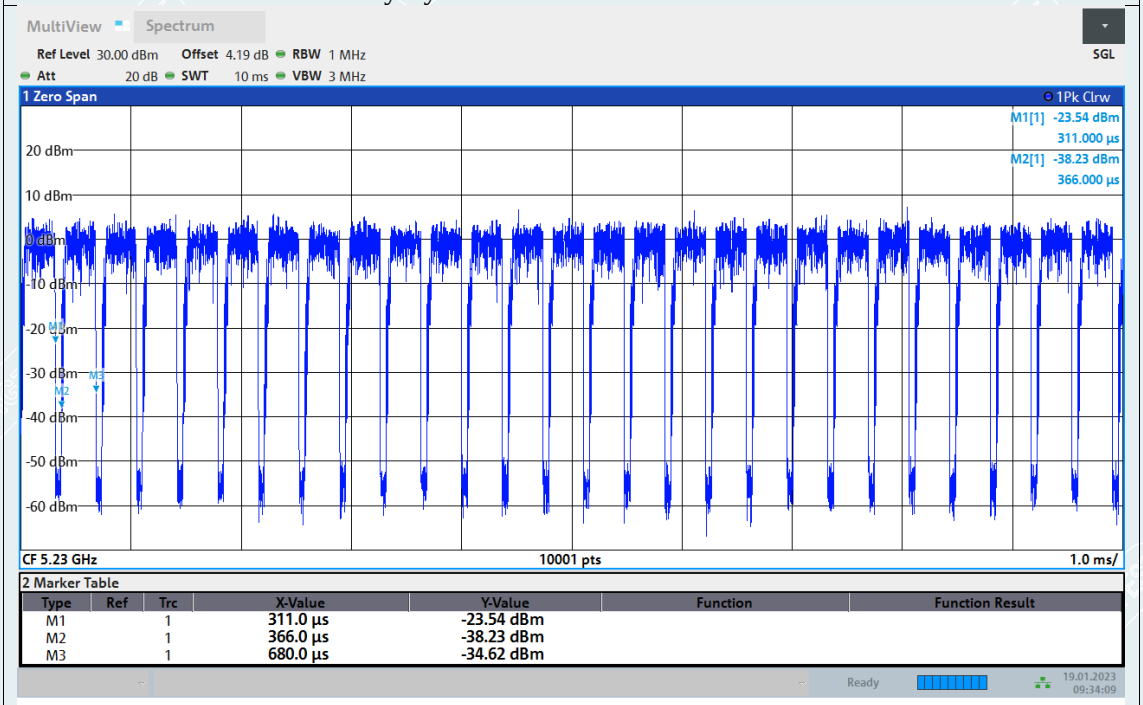
Duty Cycle NVNT ax40 5190MHz Ant2



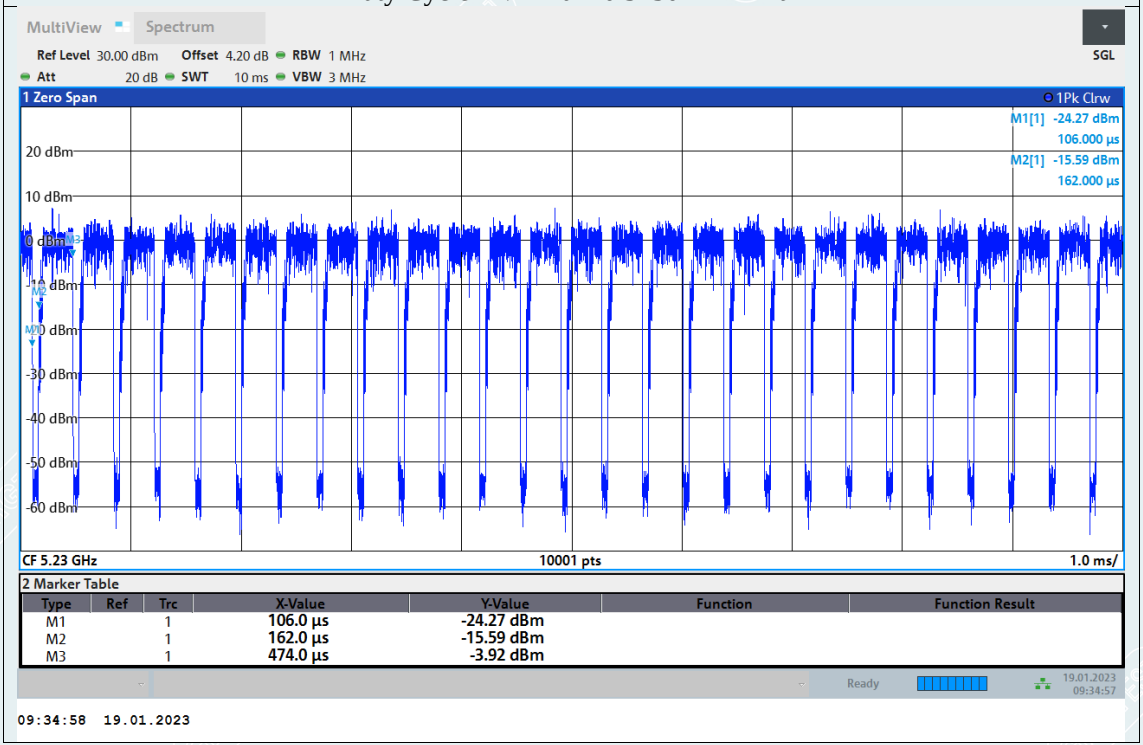

Duty Cycle NVNT ax40 5190MHz Ant3



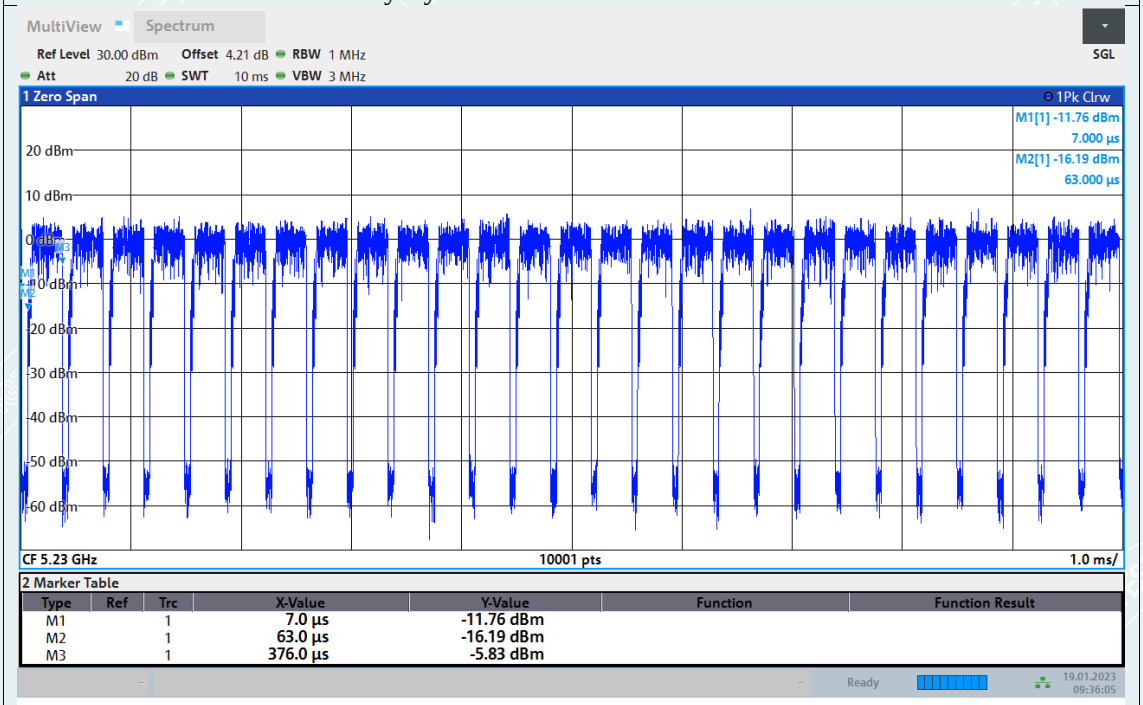
Duty Cycle NVNT ax40 5230MHz Ant1



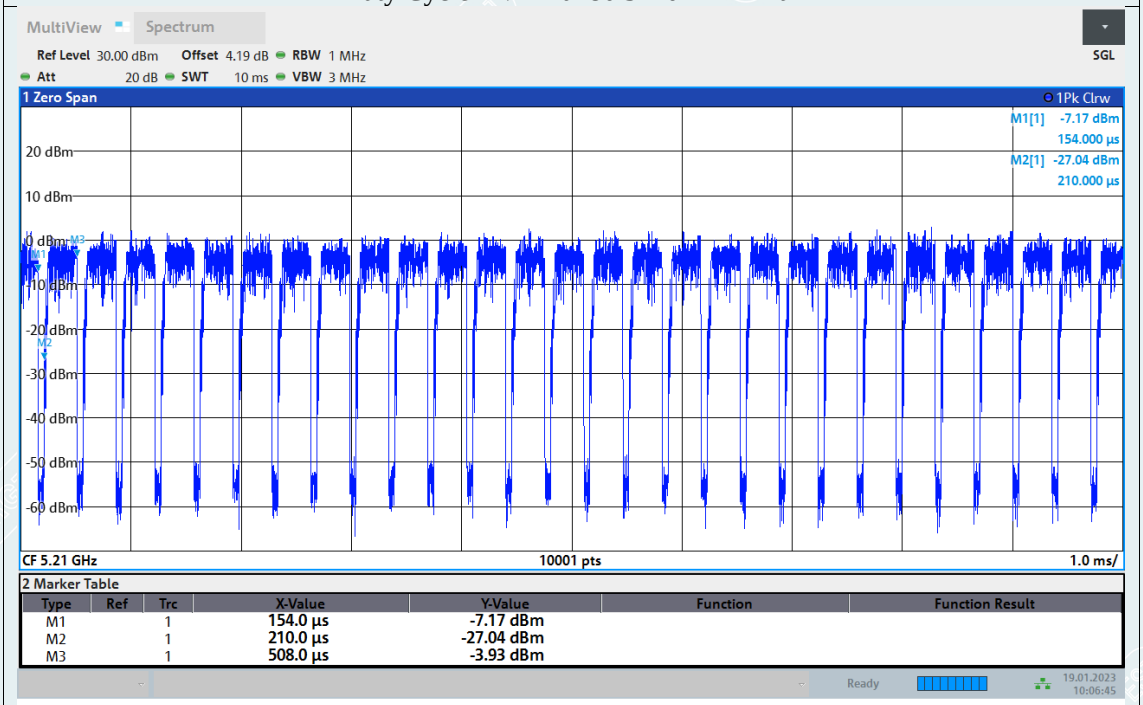

Duty Cycle NVNT ax40 5230MHz Ant2



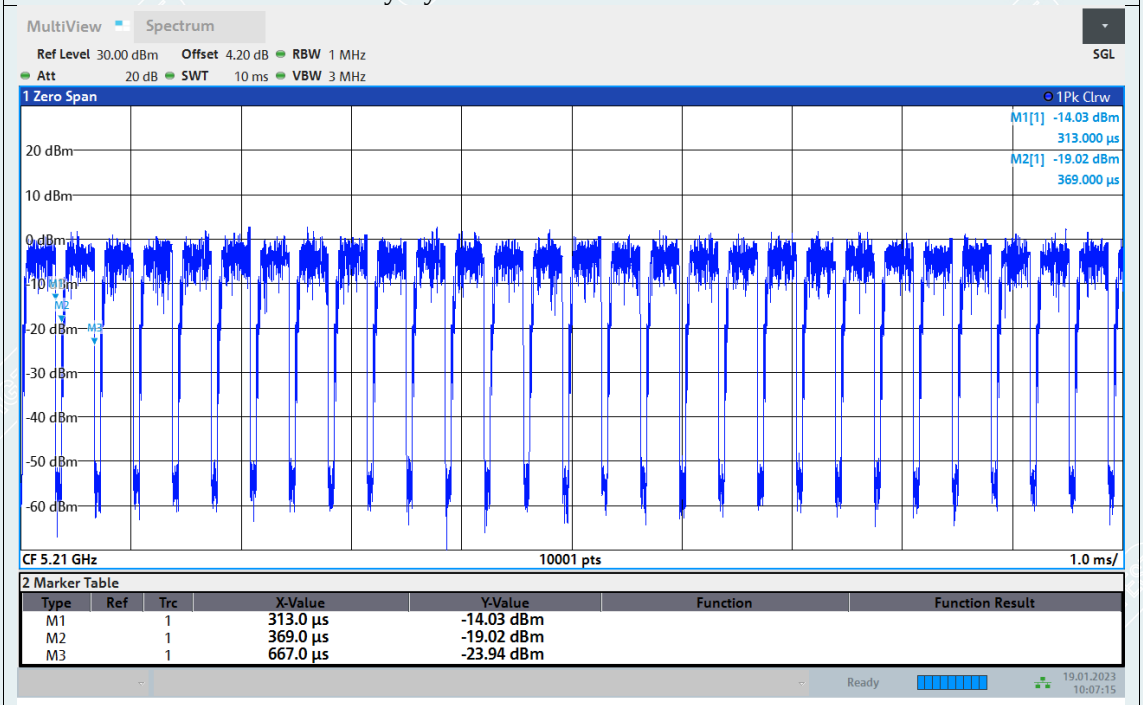
Duty Cycle NVNT ax40 5230MHz Ant3



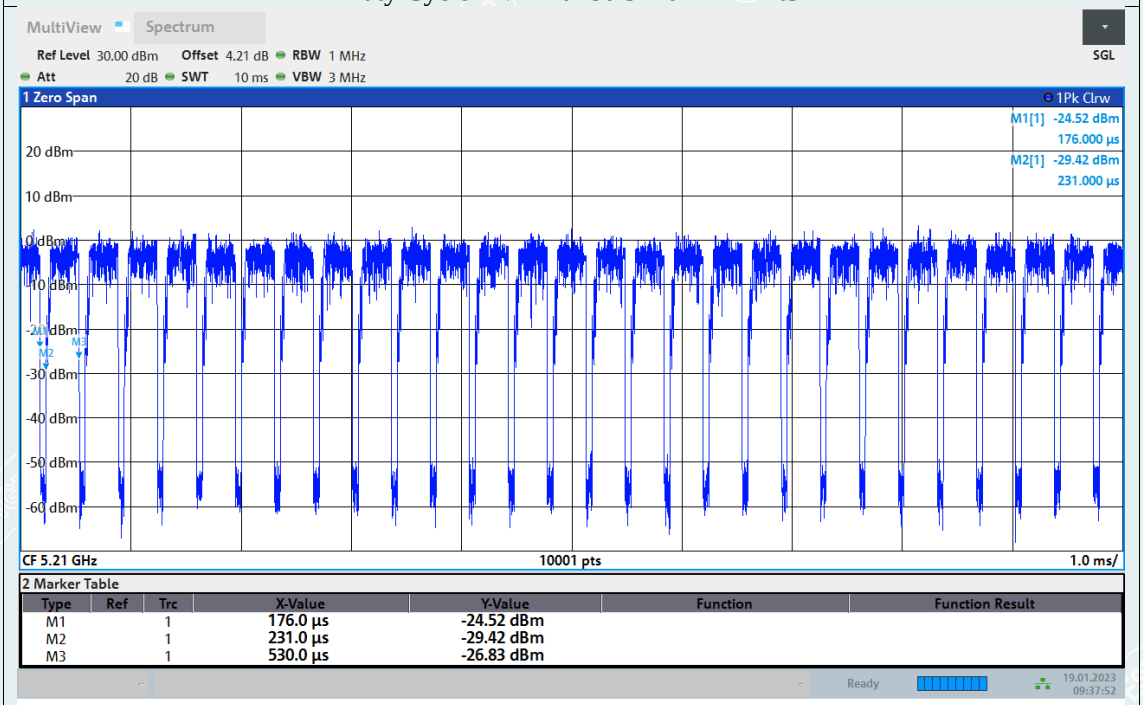

Duty Cycle NVNT ax80 5210MHz Ant1



Duty Cycle NVNT ax80 5210MHz Ant2

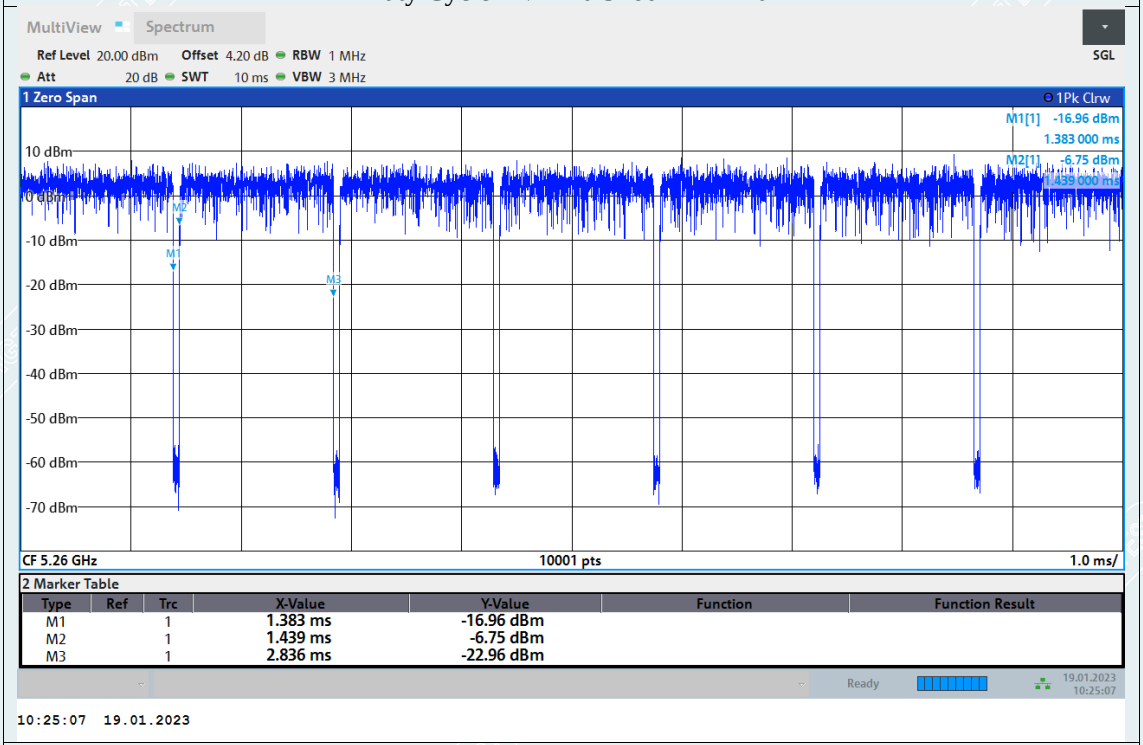



Duty Cycle NVNT ax80 5210MHz Ant3

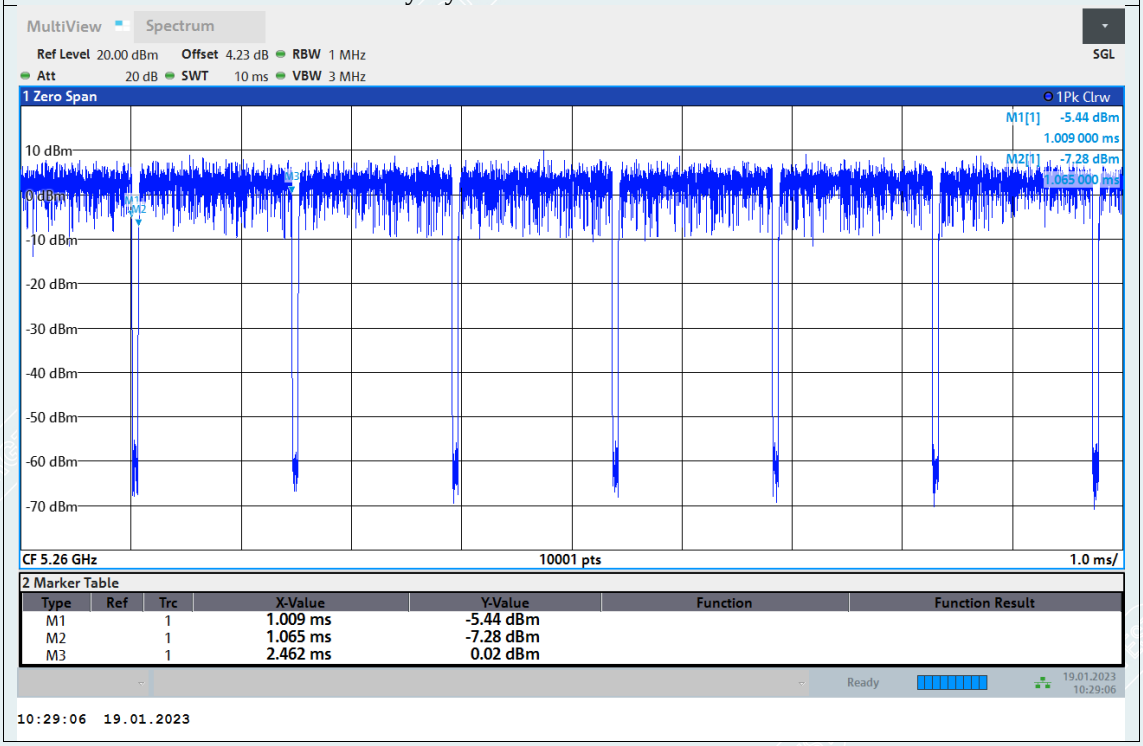


## Test Graphs

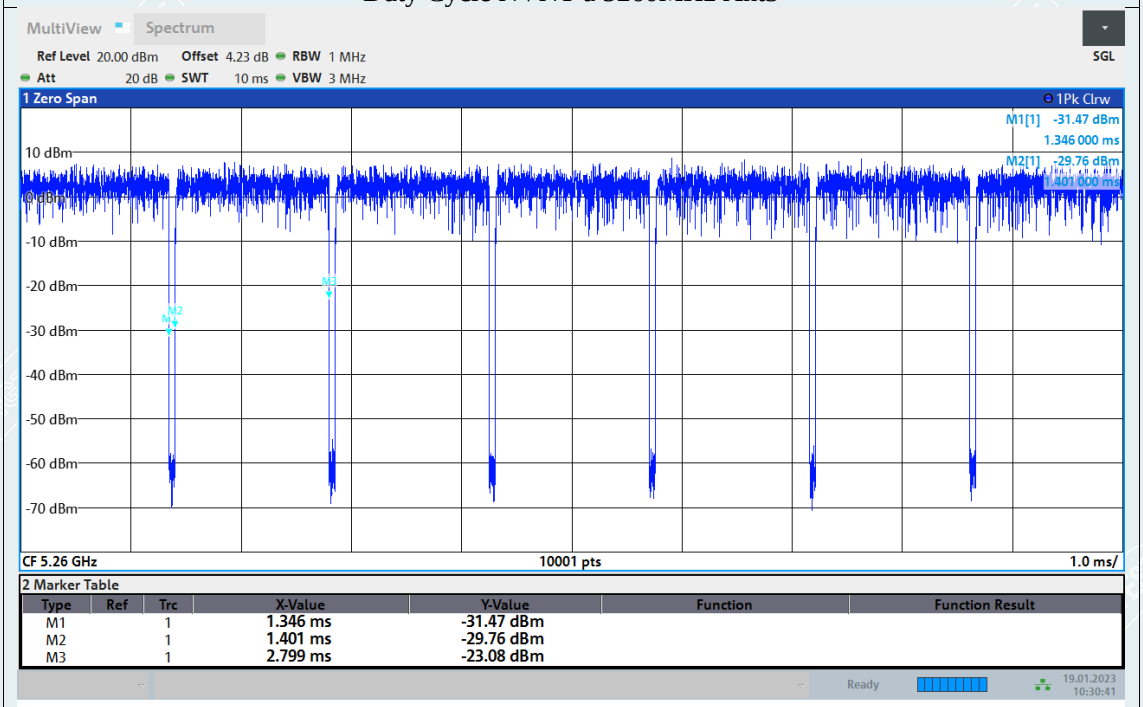
### Duty Cycle NVNT a 5260MHz Ant1




### Duty Cycle NVNT a 5260MHz Ant2



Duty Cycle NVNT a 5260MHz Ant3




Duty Cycle NVNT a 5280MHz Ant1