



TEST REPORT

APPLICANT : Anker Innovations Limited
PRODUCT NAME : Nebula Capsule 3 Laser
MODEL NAME : D2426
BRAND NAME : NEBULA
FCC ID : 2AOKB-D2426X
STANDARD(S) : 47 CFR Part 15 Subpart E
RECEIPT DATE : 2024-02-04
TEST DATE : 2024-02-23 to 2024-03-20
ISSUE DATE : 2024-03-26



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| Change History | | |
|----------------|------------|-------------------|
| Version | Date | Reason for change |
| 1.0 | 2024-03-26 | First edition |
| | | |

1. Summary of Test Result

| No. | Section | Description | Test Date | Test Engineer | Result | Method Determination /Remark |
|-----|--------------|--------------------------------|---------------------|---------------|--------|------------------------------|
| 1 | 15.203 | Antenna Requirement | N/A | N/A | PASS | No deviation |
| 2 | ANSI C63.10 | Duty Cycle of the Test Signal | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 3 | 15.407(a) | Maximum Conducted Output Power | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 4 | 15.407(a)(e) | Emission Bandwidth | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 5 | 15.407(a) | Peak Power Spectral Density | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 6 | 15.407(g) | Frequency Stability | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 7 | 15.407(h) | DFS | Feb. 29, 2024 | Su Xiaoxian | PASS | No deviation |
| 8 | 15.207 | Conducted Emission | Feb. 23, 2024 | Wang Deyong | PASS | No deviation |
| 9 | 15.407(b) | Restricted Frequency Bands | Mar. 07 to 20, 2023 | Su Zhan | PASS | No deviation |
| 10 | 15.407(b) | Radiated Emission | Mar. 07 to 20, 2023 | Su Zhan | PASS | No deviation |

Note 1: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10 2013.

Note 2: These RF tests were performed according to the method of measurements prescribed in KDB 789033 D02 v02r01.

Note 3: These RF tests were performed according to the method of measurements prescribed in KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Note 4: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 5: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



1.1. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart E Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipments

| Equipment Name | Serial No. | Type | Manufacturer | Cal. Date | Due Date |
|---------------------------|------------|-----------------|-----------------|------------|------------|
| EXA Signal Analyzer | MY53470836 | N9010A | Agilent | 2024.02.19 | 2025.02.18 |
| USB Wideband Power Sensor | MY54180008 | U2021XA | Agilent | 2023.10.17 | 2024.10.16 |
| Temperature Chamber | 12108015 | DTL-003S 101 | YOMA | 2023.09.19 | 2024.09.18 |
| RF Cable (30MHz-26GHz) | CB01 | RF01 | Morlab | N/A | N/A |
| Coaxial Cable | CB02 | RF02 | Morlab | N/A | N/A |
| SMA Connector | CN01 | RF03 | HUBER-SUHNER | N/A | N/A |
| Attenuator | MTJ6004-10 | 10dB | MTJ cooperation | N/A | N/A |

1.2.2 Conducted Emission Test Equipments

| Equipment Name | Serial No. | Type | Manufacturer | Cal. Date | Due Date |
|------------------------------|-----------------------|----------------|--------------|------------|------------|
| Receiver | MY56400093 | N9038A | KEYSIGHT | 2024.01.25 | 2025.01.24 |
| LISN | 8127449 | NSLK 8127 | Schwarzbeck | 2024.02.02 | 2025.02.01 |
| Pulse Limiter (10dB) | VTSD 9561 F-B #206 | VTSD 9561-F | Schwarzbeck | 2023.06.27 | 2024.06.26 |
| RF Coaxial Cable (DC-100MHz) | BNC | MRE04 | Qualwave | N/A | N/A |

1.2.3 List of Software Used

| Description | Manufacturer | Software Version |
|----------------|--------------|------------------|
| Test System | MaiWei | 2.0.0.0 |
| Morlab EMCR | Morlab | V1.2 |
| TS+ -[JS32-CE] | Tonscend | V2.5.0.0 |

**1.2.4 Radiated Test Equipments**

| Equipment Name | Serial No. | Type | Manufacturer | Cal. Date | Due Date |
|-----------------------------|---------------|------------------|--------------|------------|------------|
| Receiver | MY54130016 | N9038A | Agilent | 2023.06.21 | 2024.06.20 |
| Test Antenna - Bi-Log | 9163-519 | VULB 9163 | Schwarzbeck | 2023.07.01 | 2024.06.30 |
| Test Antenna - Loop | 1519-022 | FMZB1519 | Schwarzbeck | 2023.06.26 | 2024.06.25 |
| Test Antenna – Horn | 01774 | BBHA 9120D | Schwarzbeck | 2023.07.01 | 2024.06.30 |
| Test Antenna – Horn | BBHA9170 #773 | BBHA9170 | Schwarzbeck | 2023.07.01 | 2024.06.30 |
| Preamplifier (10MHz-6GHz) | 46732 | S10M100L38 02 | LUCIX CORP. | 2023.06.27 | 2024.06.26 |
| Preamplifier (2GHz-18GHz) | 61171/61172 | S020180L32 03 | LUCIX CORP. | 2023.06.27 | 2024.06.26 |
| Preamplifier (18GHz-40GHz) | DS77209 | DCLNA0118-40C-S | Decentest | 2023.07.04 | 2024.07.03 |
| RF Coaxial Cable (DC-18GHz) | MRE001 | PE330 | Pasternack | 2023.06.27 | 2024.06.26 |
| RF Coaxial Cable (DC-18GHz) | MRE002 | CLU18 | Pasternack | 2023.06.27 | 2024.06.26 |
| RF Coaxial Cable (DC-18GHz) | MRE003 | CLU18 | Pasternack | 2023.06.27 | 2024.06.26 |
| RF Coaxial Cable (DC-40GHz) | 22290045 | QA360-40-K K-0.5 | Qualwave | 2023.07.04 | 2024.07.03 |
| RF Coaxial Cable (DC-40GHz) | 22290046 | QA360-40-K KF-2 | Qualwave | 2023.07.04 | 2024.07.03 |
| RF Coaxial Cable (DC-18GHz) | 22120181 | QA500-18-N N-5 | Qualwave | 2023.07.04 | 2024.07.03 |
| Notch Filter | N/A | WRCG-5150-5350 | Wainwright | N/A | N/A |
| Notch Filter | N/A | WRCG-5470-5725 | Wainwright | N/A | N/A |
| Notch Filter | N/A | WRCG-5725-5850 | Wainwright | N/A | N/A |
| Anechoic Chamber | N/A | 9m*6m*6m | CRT | 2022.05.10 | 2025.05.09 |



1.3. Measurement Uncertainty

| Test Items | Uncertainty | Remark |
|----------------------------|-------------|--------------------------|
| Peak Output Power | ±2.22dB | Confidence levels of 95% |
| Power Spectral Density | ±2.22dB | Confidence levels of 95% |
| Bandwidth | ±5% | Confidence levels of 95% |
| Restricted Frequency Bands | ±5% | Confidence levels of 95% |
| Radiated Emission | ±2.95dB | Confidence levels of 95% |
| Conducted Emission | ±2.44dB | Confidence levels of 95% |

1.4. Testing Laboratory

| | |
|--|--|
| Laboratory Name | Shenzhen Morlab Communications Technology Co., Ltd. |
| Laboratory Address | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |
| Telephone | +86 755 36698555 |
| Facsimile | +86 755 36698525 |
| FCC Designation Number | CN1192 |
| FCC Test Firm Registration Number | 226174 |

2. General Description

2.1. Information of Applicant and Manufacturer

| | |
|-----------------------------|--|
| Applicant | Anker Innovations Limited |
| Applicant Address | Room 1318-19, Hollywood Plaza,610 Nathan Road, Mongkok, Kowloon, Hong Kong |
| Manufacturer | Anker Innovations Limited |
| Manufacturer Address | Room 1318-19, Hollywood Plaza,610 Nathan Road, Mongkok, Kowloon, Hong Kong |

2.2. Information of EUT

| | | |
|-----------------------------------|---|--|
| Product Name: | Nebula Capsule 3 Laser | |
| Sample No.: | 30# | |
| Hardware Version: | V02 | |
| Software Version: | V11.0.26.3 | |
| Modulation Technology: | OFDM | |
| Modulation Mode: | 802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80) | |
| Operating Frequency Range: | 5180MHz-5240MHz; 5260MHz-5320MHz; 5500MHz-5720MHz; 5745MHz-5825MHz | |
| Antenna Type: | FPC Antenna | |
| Antenna Gain: | ANT 1: 4.97dBi; ANT 2: 3.84dBi | |
| Directional Gain: | 7.43dBi _{Note 2} | |
| Accessory Information: | Battery | |
| | Brand Name: | N/A |
| | Model No.: | M3 21700M50LT-3S |
| | Serial No.: | N/A |
| | Capacity: | 4700mAh |
| | Rated Voltage: | 11.07V |
| | Charge Limit: | 12.6V |
| | Manufacturer: | Guangdong Pow-Tech New Power Co., Ltd. |



| | | |
|-------------------------------|---------------|--|
| Accessory Information: | AC Adapter | |
| | Brand Name: | N/A |
| | Model No.: | NSA45EU-20022500 |
| | Serial No.: | N/A |
| | Rated Output: | 5.0V \Rightarrow 3.0A, 9.0V \Rightarrow 3.0A, 12.0V \Rightarrow 3.0A, 15.0V \Rightarrow 3A, 20.0V \Rightarrow 2.25A, |
| | Rated Input: | 100-240V \sim 50/60Hz, 1.2A |
| | Manufacturer: | Shenzhen JingQuanHua & Everrise Intelligent Electric Co., Ltd. |

Note 1: The EUT supports a MIMO function. Physically, the EUT provides two completed transmitters and two receivers for 802.11n and 802.11ac modulation mode.

| Modulation Mode: | TX Function |
|-------------------------|--------------------|
| 802.11a | 1TX |
| 802.11n | 2TX |
| 802.11ac | 2TX |

Note 2: According to KDB 662911 D01, the directional gain = $G_{ANT} + 10\log(N_{ANT})$ dBi, where G_{ANT} is the maximum antenna gain in dBi, N_{ANT} is the number of outputs.

Note 3: All radiation test items for 802.11n, 802.11ac and 802.11ax modulation mode operate at MIMO mode during the test. Other modulation mode operate at SISO mode, both of the two antennas were tested separately, we only recorded the worst test result(ANT2) in this report.

Note 4: We use the dedicated software to control the EUT continuous transmission.

Note 5: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2.3. Channel List of EUT

| (U-NII-1) 5180MHz-5240MHz | | | | |
|-----------------------------------|------------|-----------------|------------|-----------------|
| Bandwidth | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 20MHz | 36 | 5180 | 40 | 5200 |
| | 44 | 5220 | 48 | 5240 |
| 40MHz | 38 | 5190 | 46 | 5230 |
| 80MHz | 42 | 5210 | | |
| (U-NII-2A) 5260MHz-5320MHz | | | | |
| Bandwidth | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 20MHz | 52 | 5260 | 56 | 5280 |
| | 60 | 5300 | 64 | 5320 |
| 40MHz | 54 | 5270 | 62 | 5310 |
| 80MHz | 58 | 5290 | | |
| (U-NII-2C) 5500MHz-5720MHz | | | | |
| Bandwidth | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 20MHz | 100 | 5500 | 105 | 5520 |
| | | | 108 | 5540 |
| | | | 116 | 5580 |
| | | | 120 | 5600 |
| | | | 124 | 5620 |
| | | | 132 | 5660 |
| 40MHz | 140 | 5700 | 144 | 5720 |
| | 102 | 5510 | 110 | 5550 |
| | 118 | 5590 | 126 | 5630 |
| 80MHz | 134 | 5670 | 142 | 5710 |
| | 106 | 5530 | 122 | 5610 |
| | 138 | 5690 | | |
| (U-NII-3) 5745MHz-5825MHz | | | | |
| Bandwidth | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 20MHz | 149 | 5745 | 153 | 5765 |
| | 157 | 5785 | 161 | 5805 |
| | 165 | 5825 | | |
| 40MHz | 151 | 5775 | 159 | 5795 |
| 80MHz | 155 | 5775 | | |

Note 1: The black bold channels were selected for test.



2.4. Test Configuration of EUT

2.4.1. Modulation Type and Data Rate of EUT

| Mode | Bandwidth (MHz) | Modulation Technology | Modulation Type | Data Rate | RU Size |
|----------|---------------------------|-----------------------|-----------------|------------------|---------|
| 802.11a | 20 | OFDM | DBPSK | 1/2/5.5/11Mbps | N/A |
| | | | DQPSK | | |
| | | | CCK | | |
| 802.11n | 20/40 (HT20/40) | OFDM | BPSK | MCS0~MCS7 | N/A |
| | | | QPSK | | |
| | | | 16QAM | | |
| | | | 64QAM | | |
| 802.11ac | 20/40/80 (VHT20/40/80) | OFDM | BPSK | MCS0~MCS9 | N/A |
| | | | QPSK | | |
| | | | 16QAM | | |
| | | | 64QAM | | |
| | | | 256QAM | | |

Note1: The worst-case mode (bold face) in all data rates has been determined during the pre-scan, only the test data of the worst-case were recorded in this report.

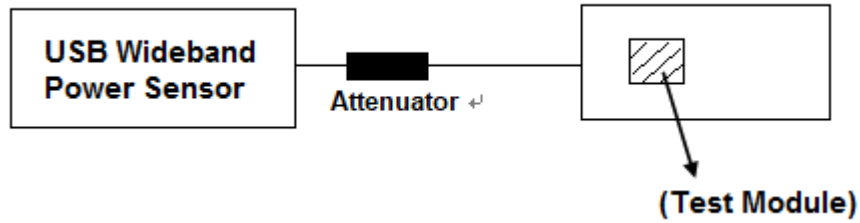
2.5. Test Conditions

| | |
|----------------------------|--------|
| Temperature (°C) | 15-35 |
| Relative Humidity (%) | 30-60 |
| Atmospheric Pressure (kPa) | 86-106 |

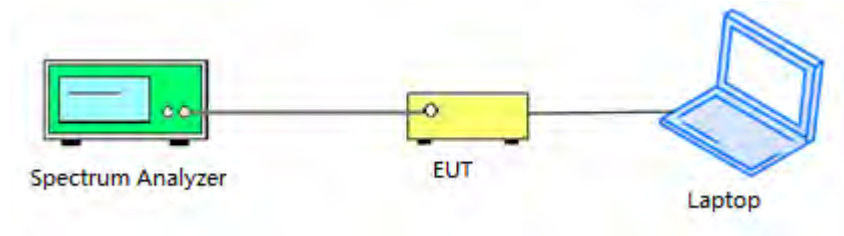
2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

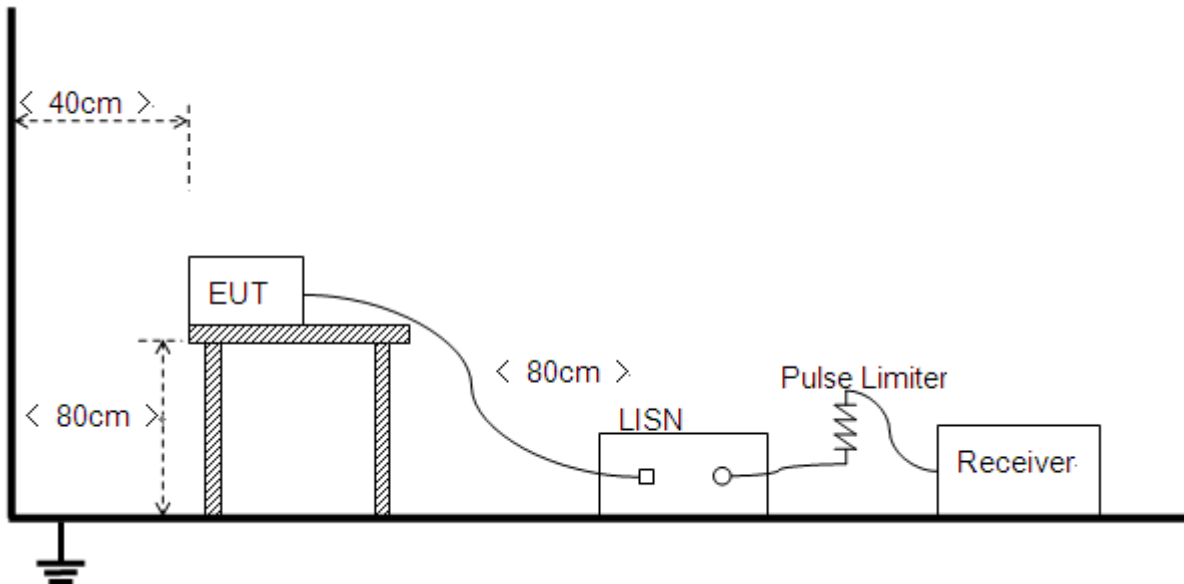
For power item that BW below 80MHz system:



For power item that BW equal or above 80MHz and other items:

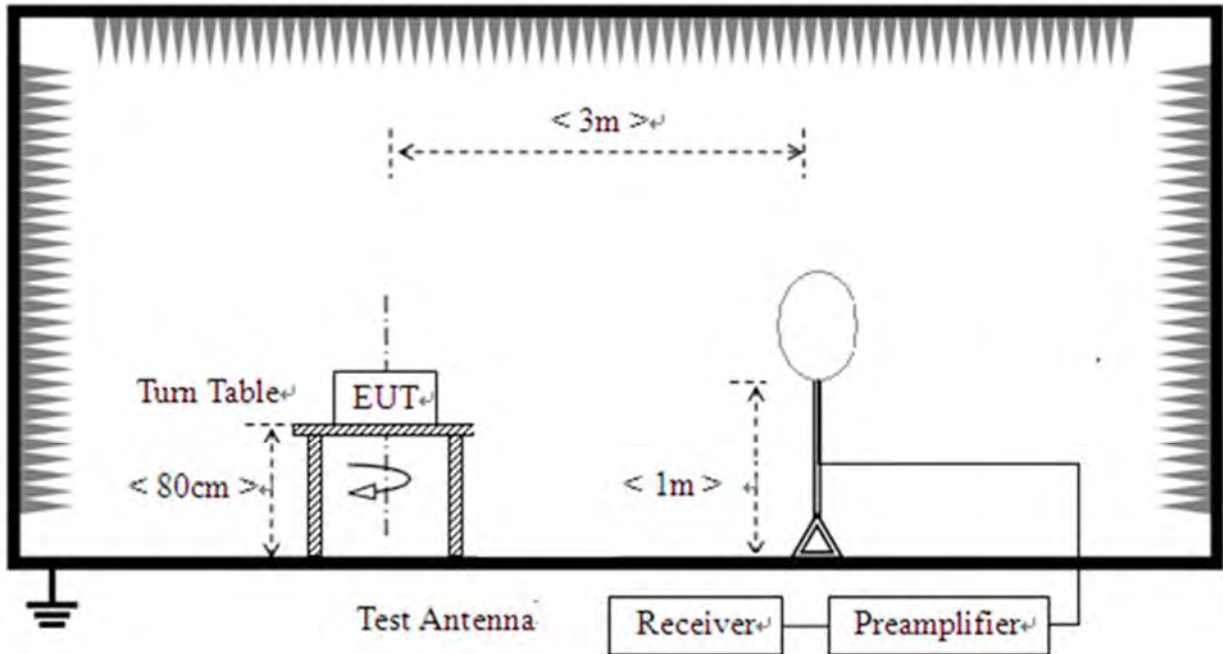


2.6.2. Conducted Emission Measurement

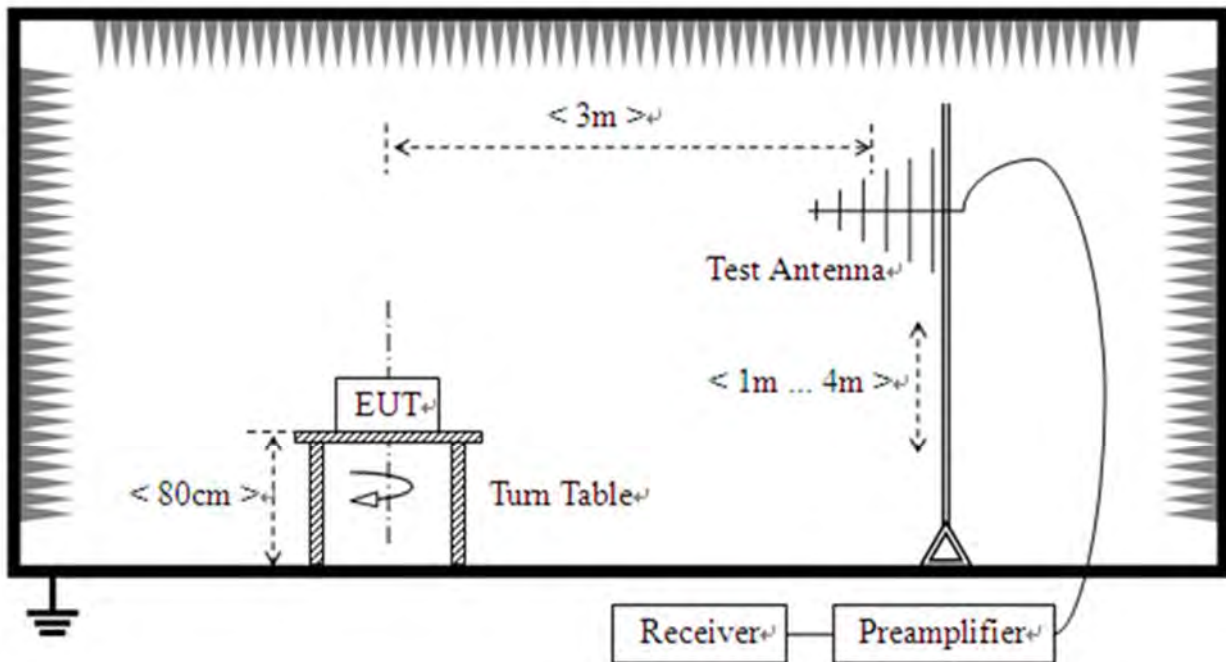


2.6.3.Radiation Measurement

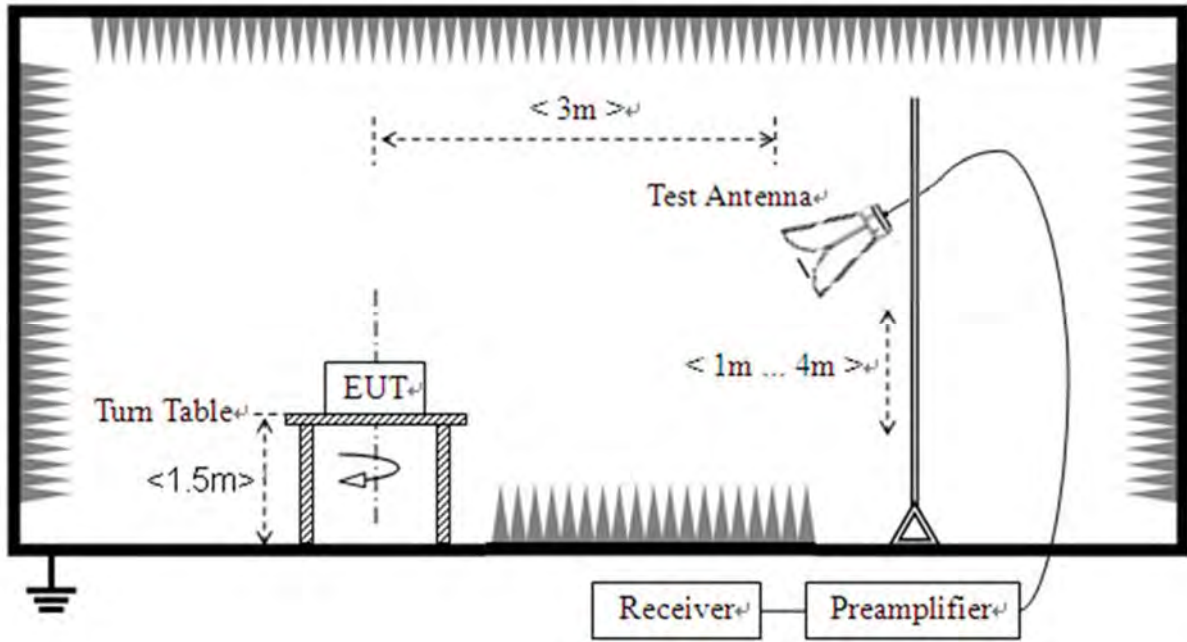
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirement

According to FCC 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

3.1.2. Test Result

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.



3.2. Duty Cycle of Test Signal

3.2.1. Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%). When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration (T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e., no transmitter OFF-time is to be considered).

When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than $\pm 2\%$; otherwise, the duty cycle is considered to be non constant.

3.2.2. Test Result

Refer to Annex A.1 in this report.



3.3. Maximum Conducted Output Power

3.3.1. Requirement

(1) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(4) According to KDB662911D01 Measure-and-sum technique, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in units that are directly proportional to power.

(5) According to KDB 662911 D01, the directional gain = $G_{\text{ANT}} + 10\log(N_{\text{ANT}})\text{dBi}$, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

3.3.2. Test Procedures

The EUT (Equipment under the test) which is coupled to the USB Wideband Power Sensor; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading, all test result in USB Wideband Power Sensor.

For ac (VHT80) mode power

The EUT (Equipment under the test) is coupled to the Spectrum analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading, all test result in Spectrum analyzer.



3.3.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4. Test Result

Refer to Annex A.2 in this report.



3.4. Emission Bandwidth

3.4.1. Requirement

For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement. Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.4.1. Test Procedures

1. KDB 789033 Section C) 1) Emission Bandwidth was used in order to prove compliance
 - a) Set RBW = approximately 1% of the emission bandwidth.
 - b) Set VBW > RBW.
 - c) Detector = Peak.
 - d) Trace mode = max hold.
 - e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
2. KDB 789033 Section C) 2) minimum emission bandwidth for the band 5.725-5.85GHz was used in order to prove compliance.

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for theband5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

 - a) Set RBW = 100 kHz.
 - b) Set video bandwidth (VBW) $\geq 3 \times$ RBW.
 - c) Detector = Peak.
 - d) Trace mode = max hold.
 - e) Sweep = auto couple.
 - f) Allow the trace to stabilize.
 - g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



3.4.2. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.3. Test Result

Refer to Annex A.3 in this report.



3.5. Peak Power Spectral Density

3.5.1. Requirement

(1) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30dBm in any 500kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(4) According to KDB662911D01 Measure-and-sum technique, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in units that are directly proportional to power.

(5) According to KDB 662911 D01, the directional gain = $G_{ANT} + 10\log(N_{ANT})$ dBi, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

3.5.2. Test Procedures

KDB 789033 Section F) Maximum Power Spectral Density (PSD) Method SA-3 was used in order to prove compliance

- 1) Set span to encompass the entire 26-dB emission bandwidth
- 2) Set RBW = 1MHz. Set VBW \geq 3MHz
- 3) Number of points in sweep \geq 2 Span / RBW. Sweep time = auto
- 4) Detector = Average
- 5) Trace mode=Max hold

Record the max value

3.5.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4. Test Result

Refer to Annex A.4 in this report.



3.6. Frequency Stability

3.6.1. Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.6.2. Test Procedures

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 5°C to 40°C. The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

3.6.3. Test Result

Refer to Annex A.5 in this report.



3.7. Dynamic Frequency Selection

3.7.1. Requirement

According to FCC section 15.407(h), (1) Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW. (2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is -64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is -62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.1

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.2

Tables 1 and 2 shown below summarize the information contained in sections 5.1.1 and 5.1.2.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

| Requirement | Operational Mode | | |
|---------------------------------|------------------|--------------------------------|-----------------------------|
| | Master | Client Without Radar Detection | Client With Radar Detection |
| Non-Occupancy Period | Yes | Not required | Yes |
| DFS Detection Threshold | Yes | Not required | Yes |
| Channel Availability Check Time | Yes | Not required | Not required |
| U-NII Detection Bandwidth | Yes | Not required | Yes |

Table 2: Applicability of DFS requirements during normal operation

| Requirement | Operational Mode | |
|-------------|------------------|--------------------------------|
| | Master | Client Without Radar Detection |



| | | |
|-----------------------------------|-----|--------------|
| DFS Detection Threshold | Yes | Not required |
| Channel Closing Transmission Time | Yes | Yes |
| Channel Move Time | Yes | Yes |
| U-NII Detection Bandwidth | Yes | Not required |

| Additional requirements for devices with multiple bandwidth modes | Master Device or Client with Radar Detection | Client Without Radar Detection |
|---|--|--|
| U-NII Detection Bandwidth and Statistical Performance Check | All BW modes must be tested | Not required |
| Channel Move Time and Channel Closing Transmission Time | Test using widest BW mode available | Test using the widest BW mode available for the link |
| All other tests | Any single BW mode | Not required |
| Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency. | | |

The operational behavior and individual DFS requirements that are associated with these modes are as follows:

Master Devices

- a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 – 5350 MHz and 5470 – 5725 MHz bands. DFS is not required in the 5150 – 5250 MHz or 5725 – 5825 MHz bands.
- b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period. 3.
- g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the



combination will be tested to the requirements described under d) through f) above.

Client Devices

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

DFS Detection Thresholds

Table 3 below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

| | |
|--|-------------------------------|
| Maximum Transmit Power | Value (See Notes 1, 2, and 3) |
| EIRP ≥ 200 mill watt | -64 dBm |
| EIRP < 200 mill watt and power spectral density < 10 dBm/MHz | -62 dBm |
| EIRP < 200 mill watt that do not meet the power spectral density requirement | -64 dBm |
| <p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.</p> <p>Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> | |

Response Requirements

Table 4 provides the response requirements for Master and Client Devices incorporating DFS.

Table 4: DFS Response Requirement Values

| Parameter | Value |
|-----------|-------|
|-----------|-------|

| | |
|-----------------------------------|--|
| Non-occupancy period | Minimum 30 minutes |
| Channel Availability Check Time | 60 seconds |
| Channel Move Time | 10 seconds See Note 1. |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2. |
| U-NII Detection Bandwidth | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3. |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

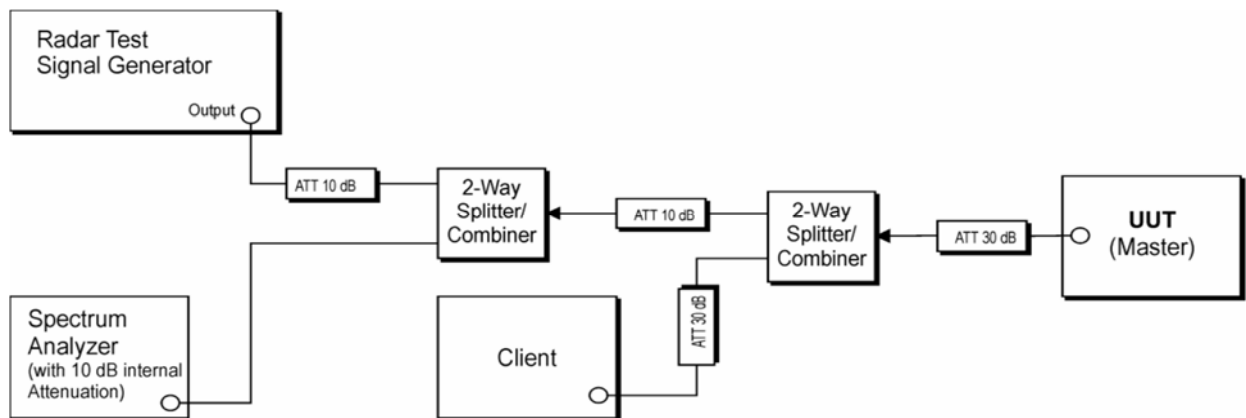
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

3.7.2. Test Description

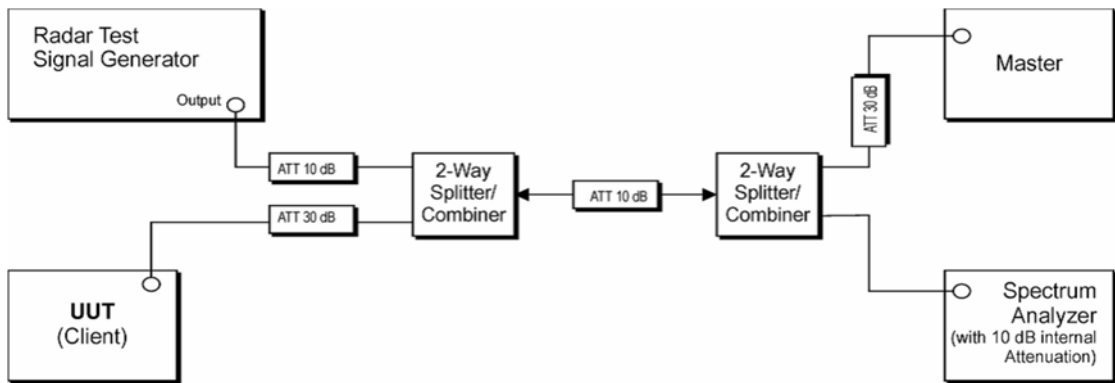
According to Section 7.2 of KDB 905462 D02 V01R01

1. Setup for Master with injection at the Master



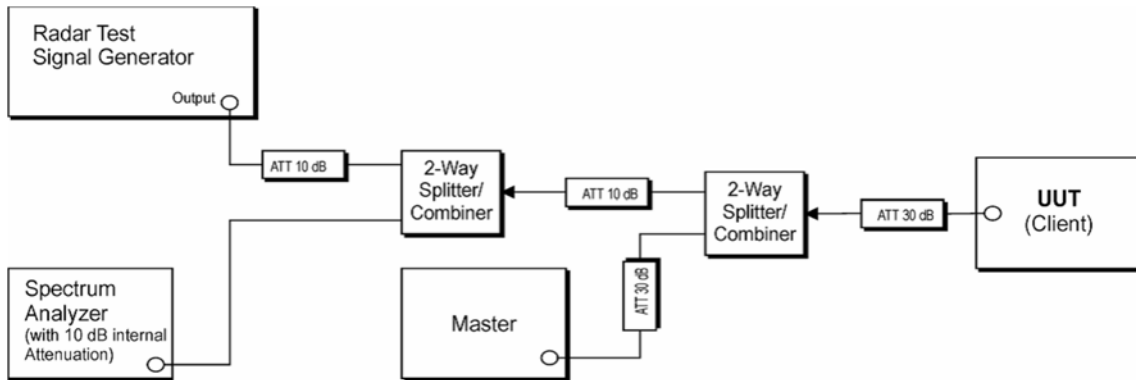
(Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master)

2. Setup for Client with injection at the Master



(Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Master)

3. Setup for Client with injection at the Client



(Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Client)

3.7.3. Information of Companion Device

| | |
|-----------------|---------------|
| Product Name: | Router |
| Manufacturer: | ASUS |
| FCC ID: | MSQ-RTAXJF00 |
| Device Type: | Master Device |
| Operating Mode: | Master Mode |
| Serial No: | M3IAJF201046 |
| Antenna Gain: | 2.0dBi |

3.7.4. Test Result

Refer to Annex A.6 in this report.

3.8. Conducted Emission

3.8.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

| Frequency Range (MHz) | Conducted Limit (dB μ V) | |
|-----------------------|------------------------------|----------|
| | Quai-peak | Average |
| 0.15 - 0.50 | 66 to 56 | 56 to 46 |
| 0.50 - 5 | 56 | 46 |
| 5 - 30 | 60 | 50 |

Note:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.8.2. Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.8.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.8.4. Test Result

Refer to Annex A.7 in this report.



3.9. Restricted Frequency Bands

3.9.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m



Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (µV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 - 1.705 | 24000/F(kHz) | 30 |
| 1.705 - 30.0 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

3.9.2. Test Procedures

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

KDB 789033 Section H) 3)5)6(d)) was used in order to prove compliance

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

3.9.3. Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4. Test Result

Refer to Annex A.8 in this report.



3.10. Radiated Emission

3.10.1.Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{\frac{30P}{3}} \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (μV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 - 1.705 | 24000/F(kHz) | 30 |
| 1.705 - 30.0 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |



For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

3.10.2.Test Procedures

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz.The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

3.10.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.10.4.Test Result

Refer to Annex A.9 in this report.



Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|----------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | a SISO | 5180 | Ant1 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5220 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5240 | Ant1 | 96.55 | 0.15 | 0.71 |
| NVNT | a SISO | 5260 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5300 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5320 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5500 | Ant1 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5580 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5600 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5720 | Ant1 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5745 | Ant1 | 96.55 | 0.15 | 0.71 |
| NVNT | a SISO | 5785 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5825 | Ant1 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5180 | Ant2 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5220 | Ant2 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5240 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5260 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5300 | Ant2 | 96.55 | 0.15 | 0.71 |
| NVNT | a SISO | 5320 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5500 | Ant2 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5580 | Ant2 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5600 | Ant2 | 96.53 | 0.15 | 0.72 |
| NVNT | a SISO | 5720 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5745 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5785 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | a SISO | 5825 | Ant2 | 95.86 | 0.18 | 0.72 |
| NVNT | n20 SISO | 5180 | Ant1 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5220 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5240 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5260 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5300 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5320 | Ant1 | 95.59 | 0.2 | 0.77 |



| | | | | | | |
|------|----------|------|------|-------|------|------|
| NVNT | n20 SISO | 5500 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5580 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5600 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5720 | Ant1 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5745 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5785 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5825 | Ant1 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5180 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5220 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5240 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5260 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5300 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5320 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5500 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5580 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5600 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5720 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5745 | Ant2 | 95.59 | 0.2 | 0.77 |
| NVNT | n20 SISO | 5785 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 SISO | 5825 | Ant2 | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5180 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5220 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5240 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5260 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5300 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5320 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5500 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5580 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5600 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5720 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5745 | Sum | 96.3 | 0.16 | 0.77 |
| NVNT | n20 MIMO | 5785 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n20 MIMO | 5825 | Sum | 95.59 | 0.2 | 0.77 |
| NVNT | n40 SISO | 5190 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5230 | Ant1 | 91.43 | 0.39 | 1.56 |
| NVNT | n40 SISO | 5270 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5310 | Ant1 | 91.55 | 0.38 | 1.54 |
| NVNT | n40 SISO | 5510 | Ant1 | 91.43 | 0.39 | 1.56 |



| | | | | | | |
|------|-----------|------|------|-------|------|------|
| NVNT | n40 SISO | 5550 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5630 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5710 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5755 | Ant1 | 91.55 | 0.38 | 1.54 |
| NVNT | n40 SISO | 5795 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5190 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | n40 SISO | 5230 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5270 | Ant2 | 91.43 | 0.39 | 1.56 |
| NVNT | n40 SISO | 5310 | Ant2 | 91.43 | 0.39 | 1.56 |
| NVNT | n40 SISO | 5510 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5550 | Ant2 | 91.43 | 0.39 | 1.56 |
| NVNT | n40 SISO | 5630 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5710 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | n40 SISO | 5755 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | n40 SISO | 5795 | Ant2 | 91.43 | 0.39 | 1.56 |
| NVNT | n40 MIMO | 5190 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5230 | Sum | 91.43 | 0.39 | 1.56 |
| NVNT | n40 MIMO | 5270 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5310 | Sum | 91.55 | 0.38 | 1.54 |
| NVNT | n40 MIMO | 5510 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5550 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5630 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5710 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5755 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | n40 MIMO | 5795 | Sum | 91.43 | 0.39 | 1.56 |
| NVNT | ac20 SISO | 5180 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5220 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5240 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5260 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5300 | Ant1 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5320 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5500 | Ant1 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5580 | Ant1 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5600 | Ant1 | 96.35 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5720 | Ant1 | 96.35 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5745 | Ant1 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5785 | Ant1 | 96.35 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5825 | Ant1 | 96.32 | 0.16 | 0.76 |



| | | | | | | |
|------|-----------|------|------|-------|------|------|
| NVNT | ac20 SISO | 5180 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5220 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5240 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5260 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5300 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5320 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5500 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5580 | Ant2 | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 SISO | 5600 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5720 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5745 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5785 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 SISO | 5825 | Ant2 | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5180 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5220 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5240 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5260 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5300 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5320 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5500 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5580 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5600 | Sum | 96.35 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5720 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac20 MIMO | 5745 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5785 | Sum | 96.32 | 0.16 | 0.76 |
| NVNT | ac20 MIMO | 5825 | Sum | 95.62 | 0.19 | 0.76 |
| NVNT | ac40 SISO | 5190 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5230 | Ant1 | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 SISO | 5270 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5310 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5510 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5550 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5630 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5710 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5755 | Ant1 | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 SISO | 5795 | Ant1 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5190 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5230 | Ant2 | 92.86 | 0.32 | 1.54 |



| | | | | | | |
|------|-----------|------|------|-------|------|------|
| NVNT | ac40 SISO | 5270 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 SISO | 5310 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 SISO | 5510 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 SISO | 5550 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 SISO | 5630 | Ant2 | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 SISO | 5710 | Ant2 | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 SISO | 5755 | Ant2 | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 SISO | 5795 | Ant2 | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 MIMO | 5190 | Sum | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 MIMO | 5230 | Sum | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 MIMO | 5270 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 MIMO | 5310 | Sum | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 MIMO | 5510 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 MIMO | 5550 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 MIMO | 5630 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | ac40 MIMO | 5710 | Sum | 92.96 | 0.32 | 1.52 |
| NVNT | ac40 MIMO | 5755 | Sum | 91.55 | 0.38 | 1.54 |
| NVNT | ac40 MIMO | 5795 | Sum | 92.86 | 0.32 | 1.54 |
| NVNT | ac80 SISO | 5210 | Ant1 | 86.84 | 0.61 | 3.03 |
| NVNT | ac80 SISO | 5290 | Ant1 | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 SISO | 5530 | Ant1 | 86.84 | 0.61 | 3.03 |
| NVNT | ac80 SISO | 5610 | Ant1 | 84.21 | 0.75 | 3.13 |
| NVNT | ac80 SISO | 5690 | Ant1 | 84.21 | 0.75 | 3.13 |
| NVNT | ac80 SISO | 5775 | Ant1 | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 SISO | 5210 | Ant2 | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 SISO | 5290 | Ant2 | 84.21 | 0.75 | 3.13 |
| NVNT | ac80 SISO | 5530 | Ant2 | 84.21 | 0.75 | 3.12 |
| NVNT | ac80 SISO | 5610 | Ant2 | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 SISO | 5690 | Ant2 | 86.49 | 0.63 | 3.12 |
| NVNT | ac80 SISO | 5775 | Ant2 | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 MIMO | 5210 | Sum | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 MIMO | 5290 | Sum | 86.49 | 0.63 | 3.13 |
| NVNT | ac80 MIMO | 5530 | Sum | 84.21 | 0.75 | 3.13 |
| NVNT | ac80 MIMO | 5610 | Sum | 86.84 | 0.61 | 3.03 |
| NVNT | ac80 MIMO | 5690 | Sum | 84.21 | 0.75 | 3.13 |
| NVNT | ac80 MIMO | 5775 | Sum | 86.49 | 0.63 | 3.13 |

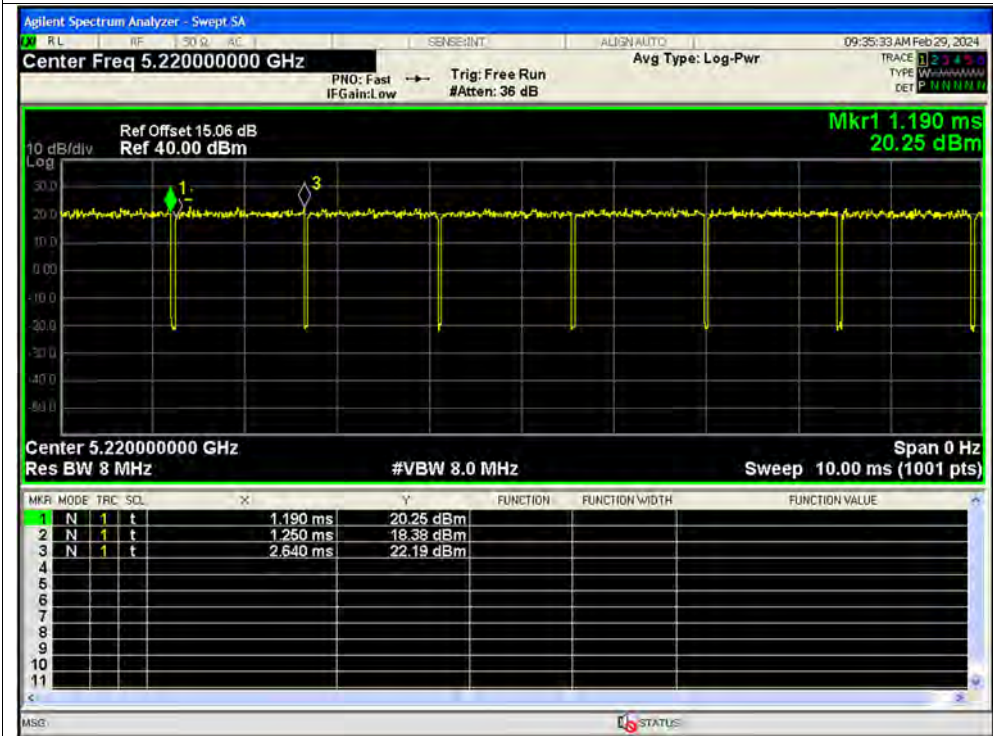


Test Graphs

Duty Cycle NVNT a 5180MHz Ant1 SISO

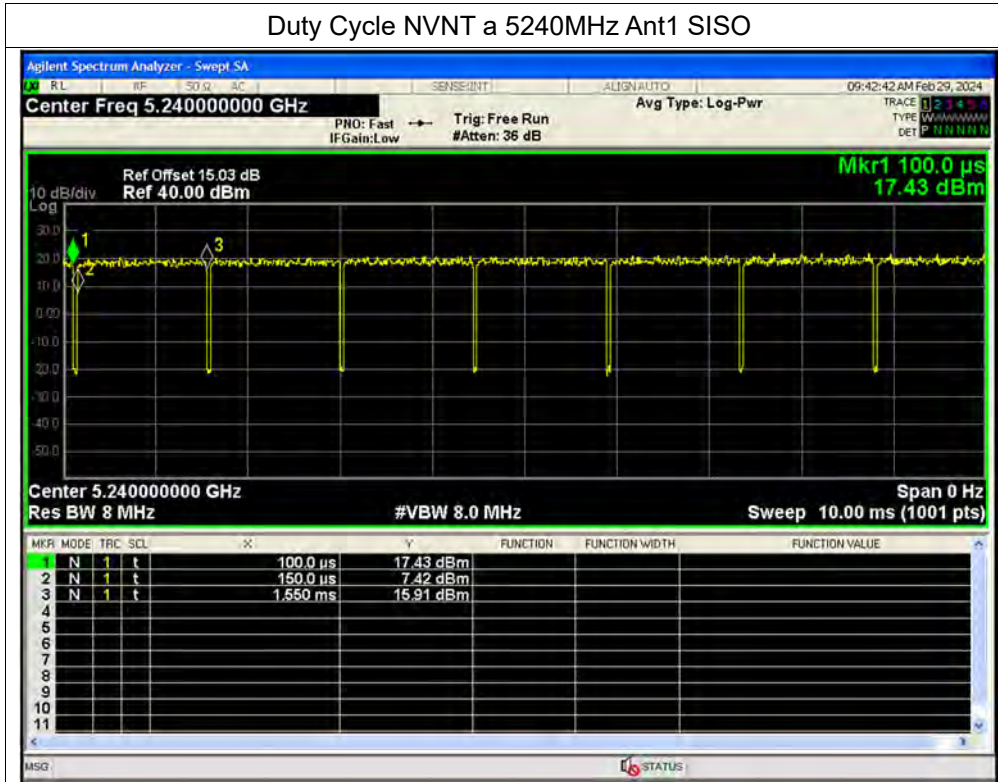


Duty Cycle NVNT a 5220MHz Ant1 SISO

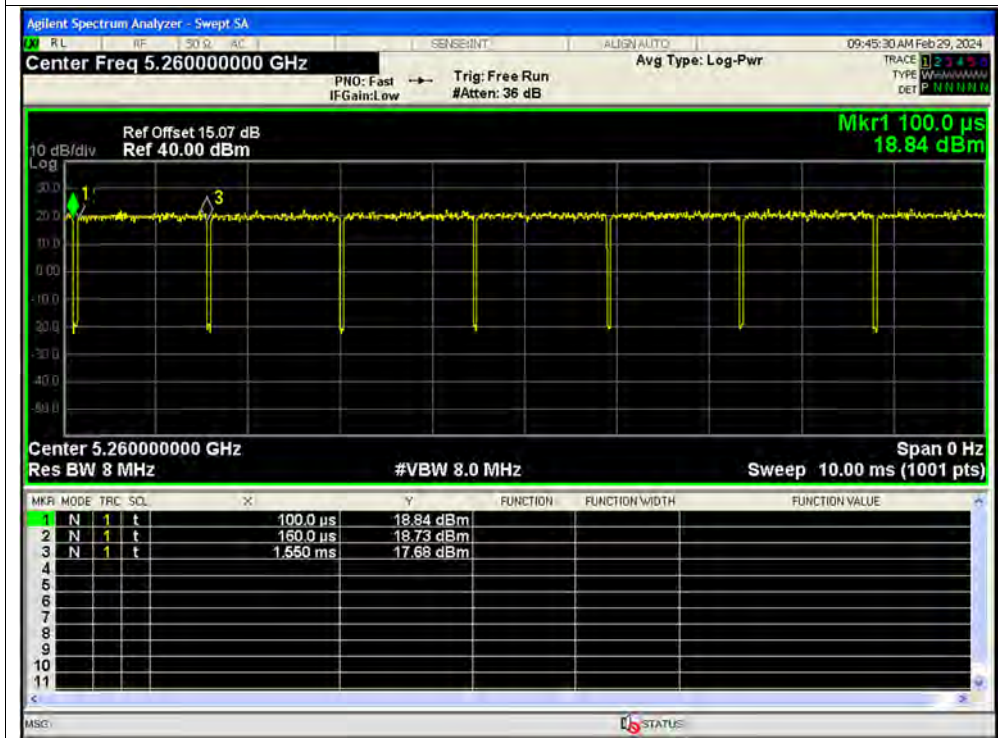




Duty Cycle NVNT a 5240MHz Ant1 SISO

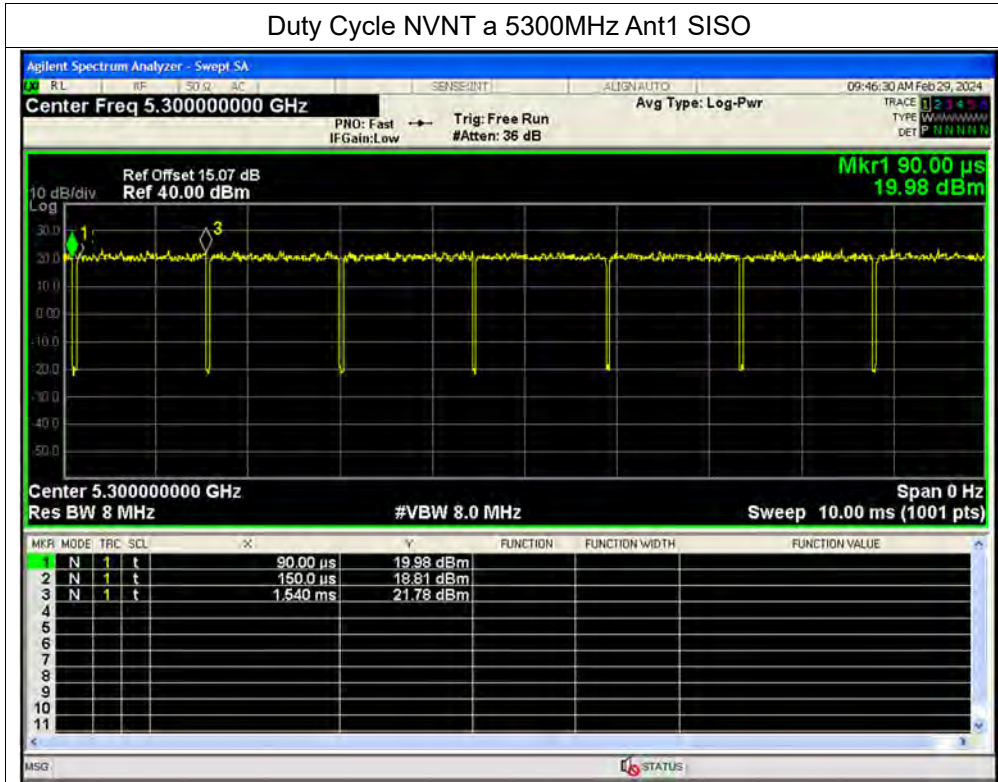


Duty Cycle NVNT a 5260MHz Ant1 SISO

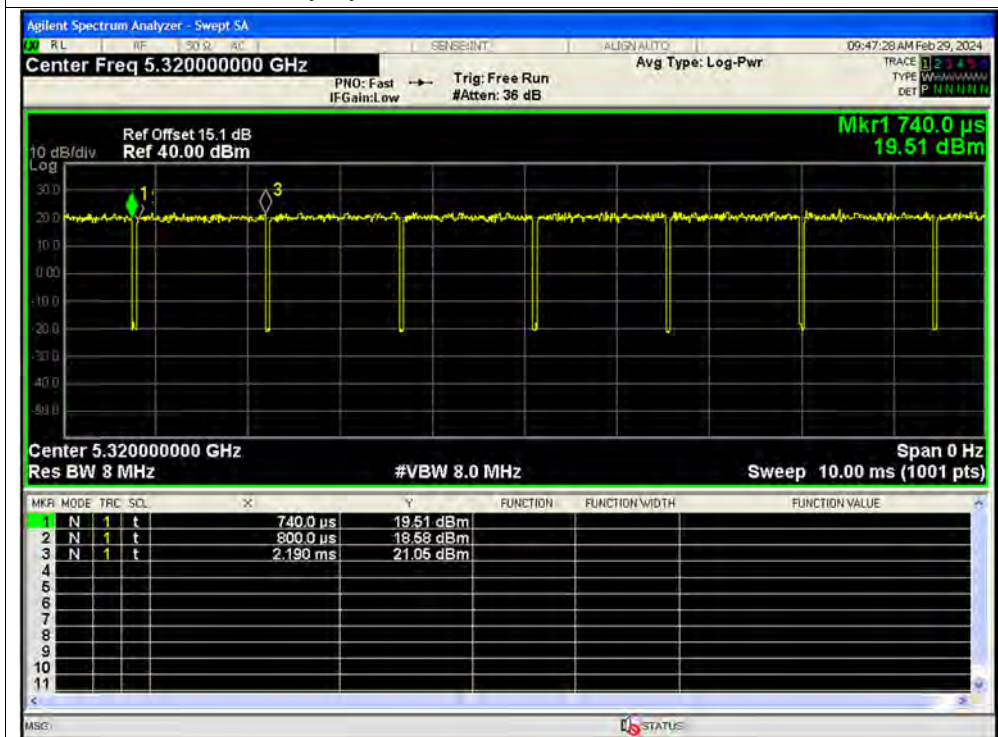




Duty Cycle NVNT a 5300MHz Ant1 SISO

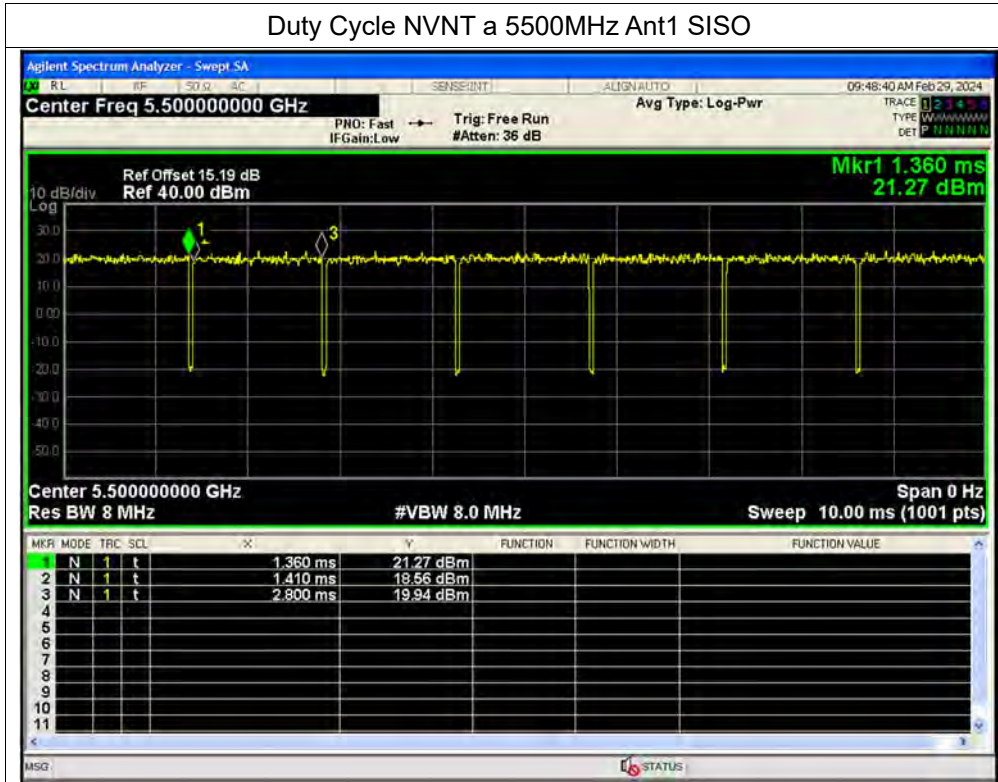


Duty Cycle NVNT a 5320MHz Ant1 SISO

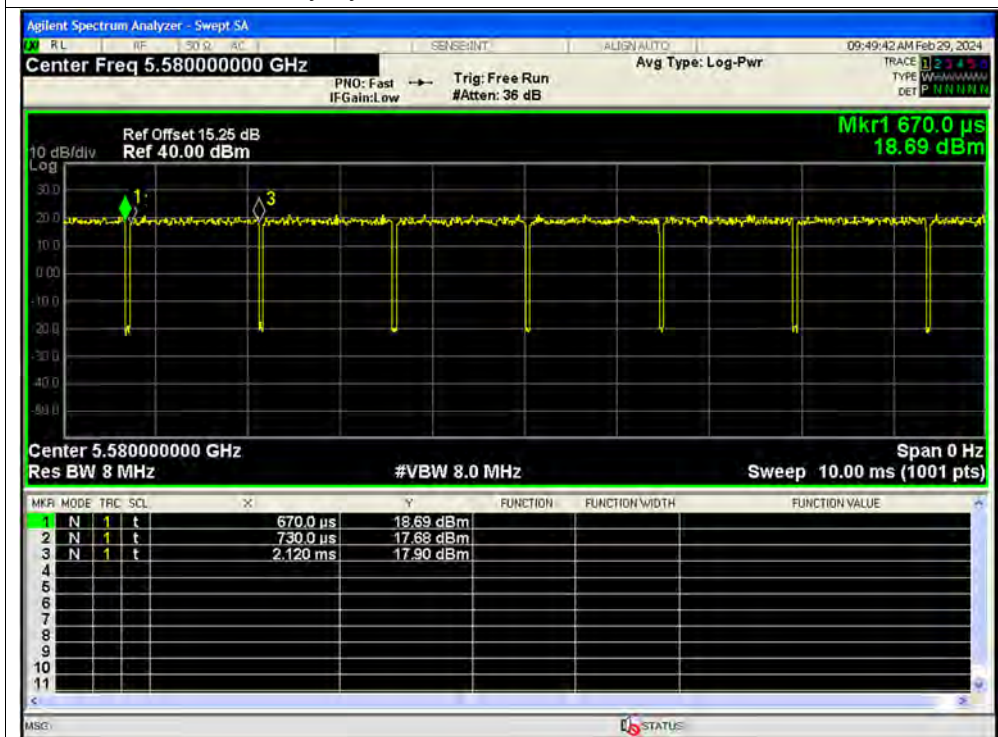




Duty Cycle NVNT a 5500MHz Ant1 SISO

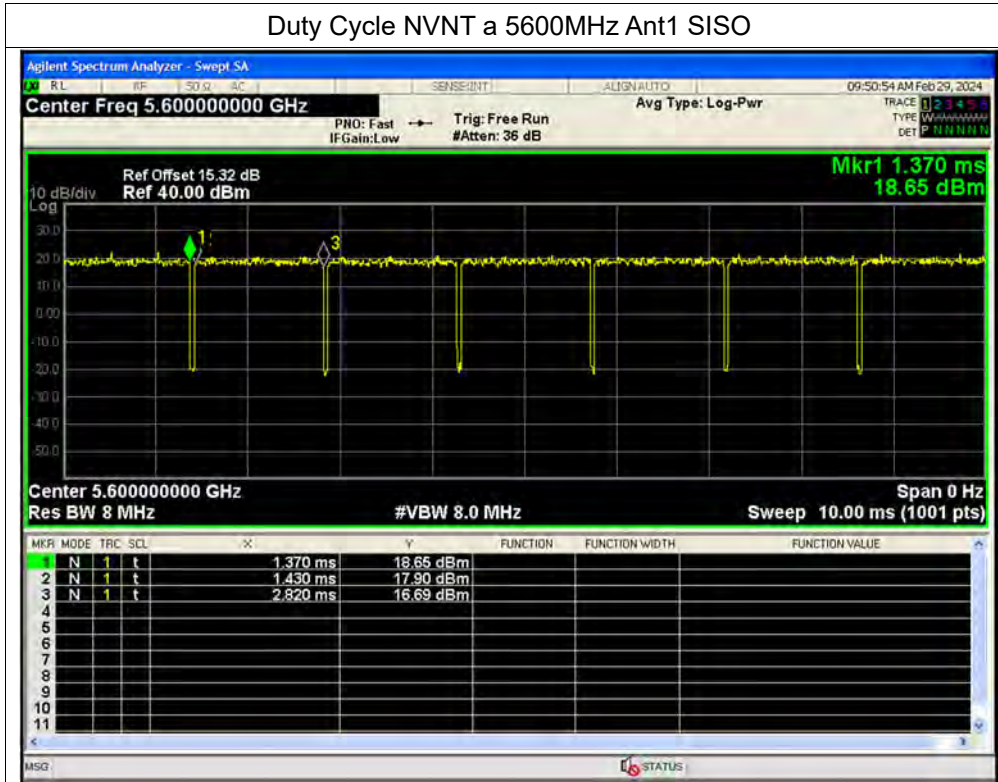


Duty Cycle NVNT a 5580MHz Ant1 SISO

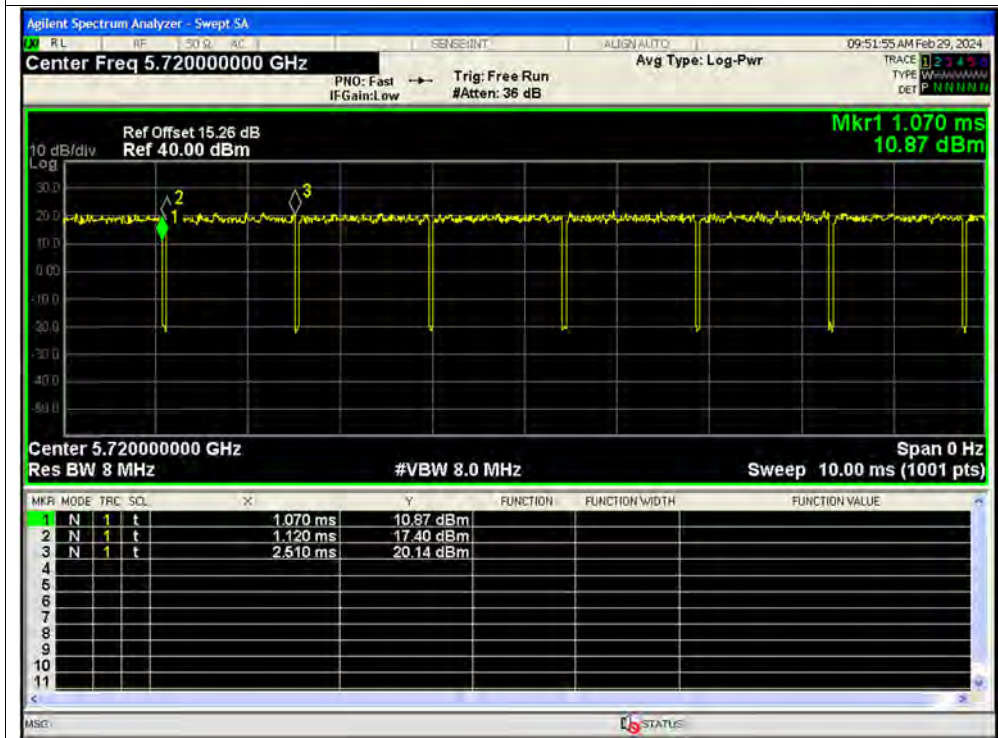




Duty Cycle NVNT a 5600MHz Ant1 SISO

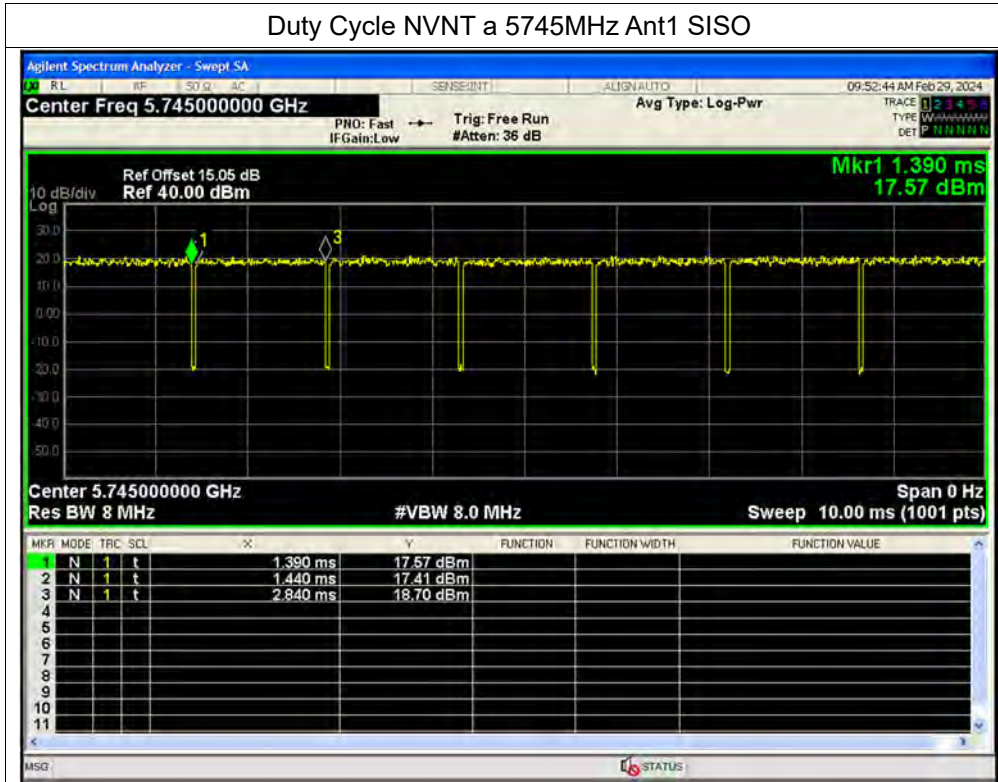


Duty Cycle NVNT a 5720MHz Ant1 SISO

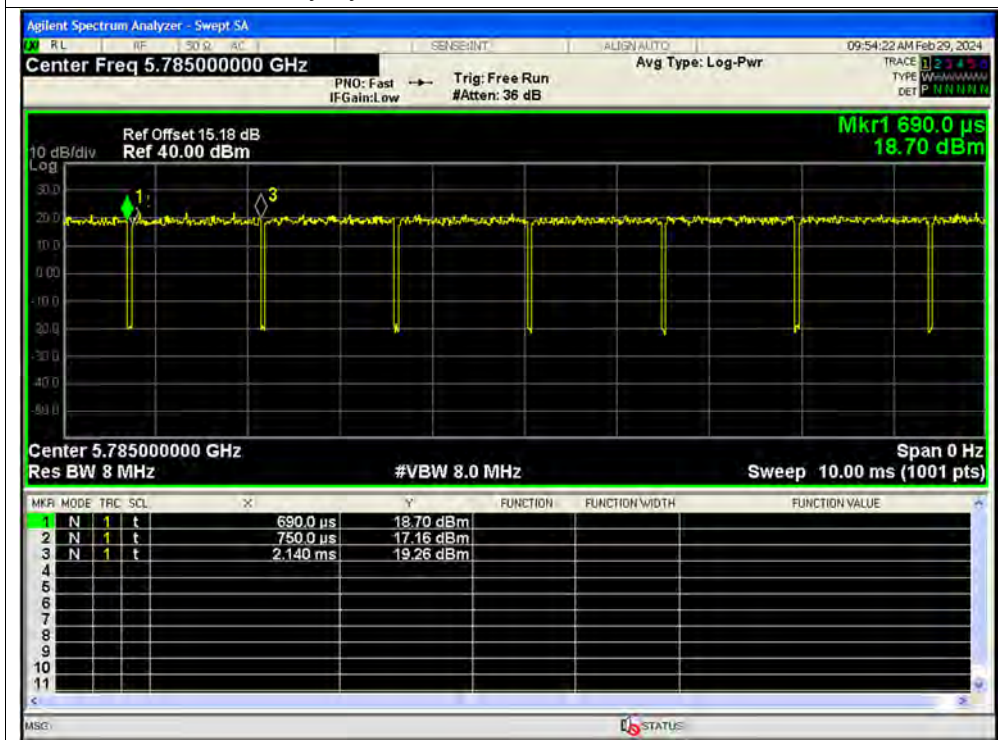




Duty Cycle NVNT a 5745MHz Ant1 SISO

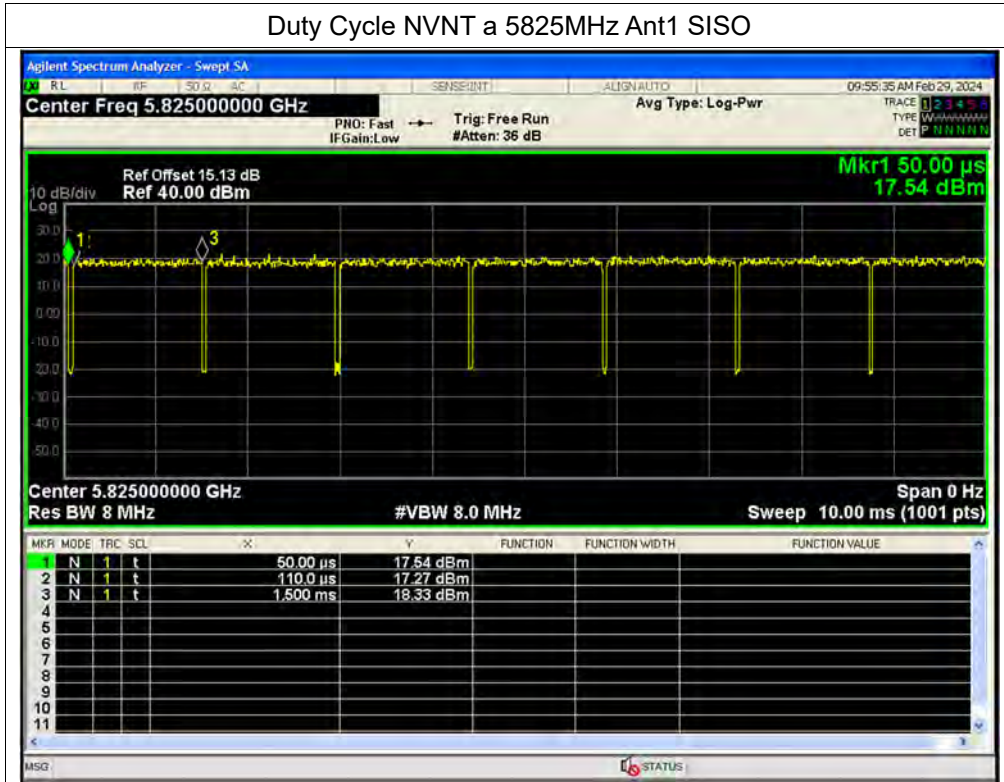


Duty Cycle NVNT a 5785MHz Ant1 SISO

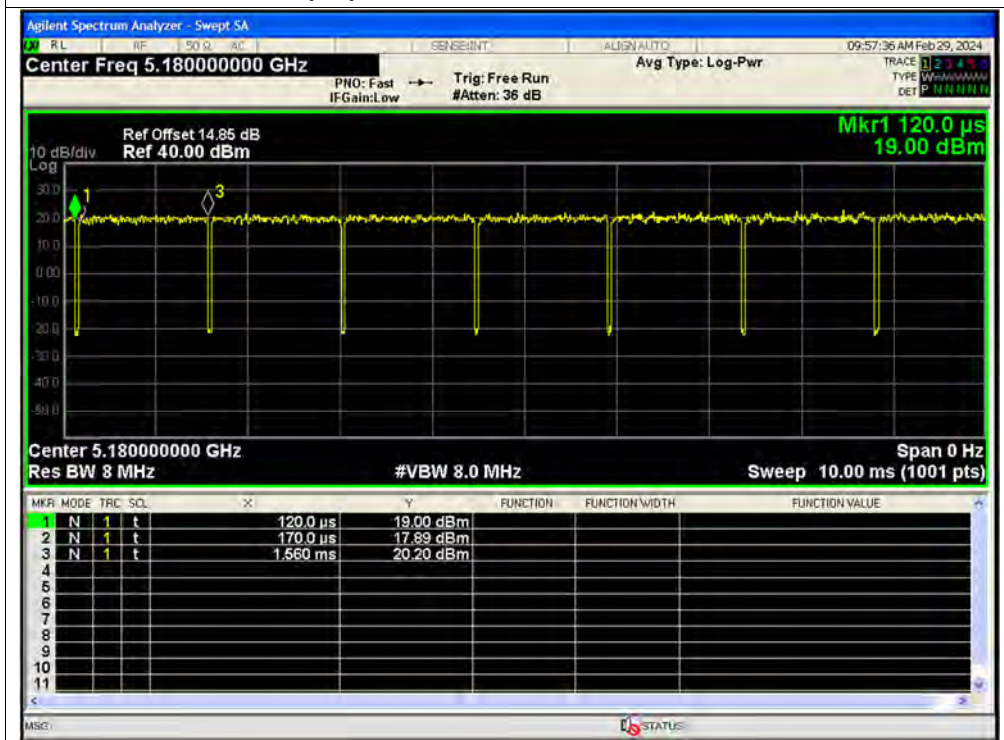




Duty Cycle NVNT a 5825MHz Ant1 SISO

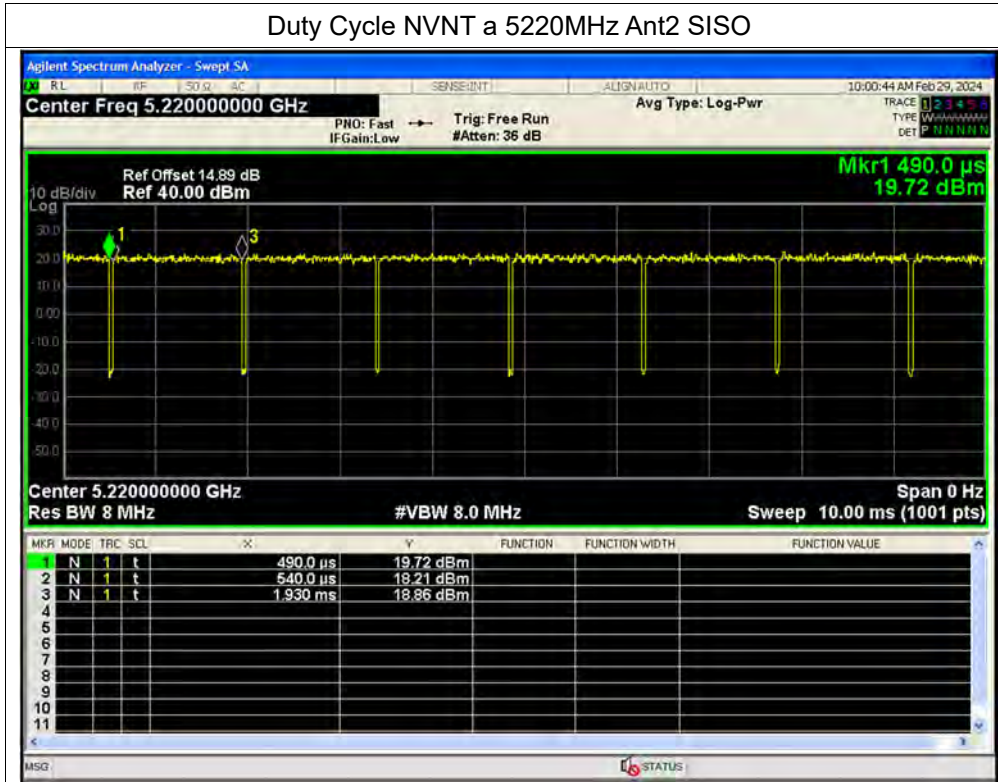


Duty Cycle NVNT a 5180MHz Ant2 SISO

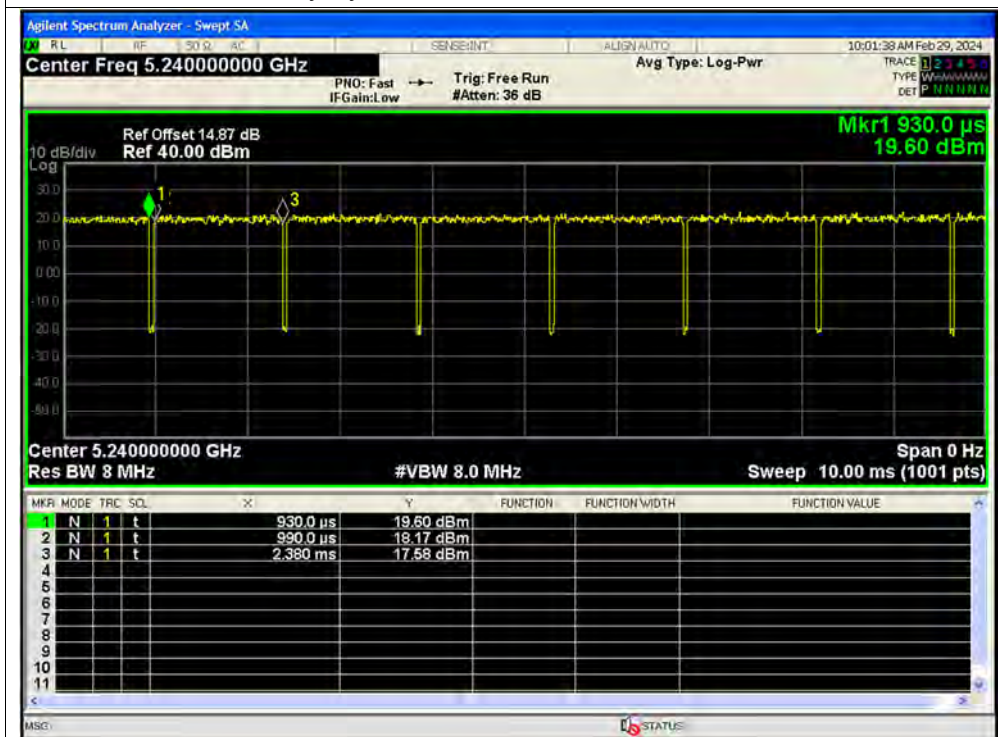




Duty Cycle NVNT a 5220MHz Ant2 SISO

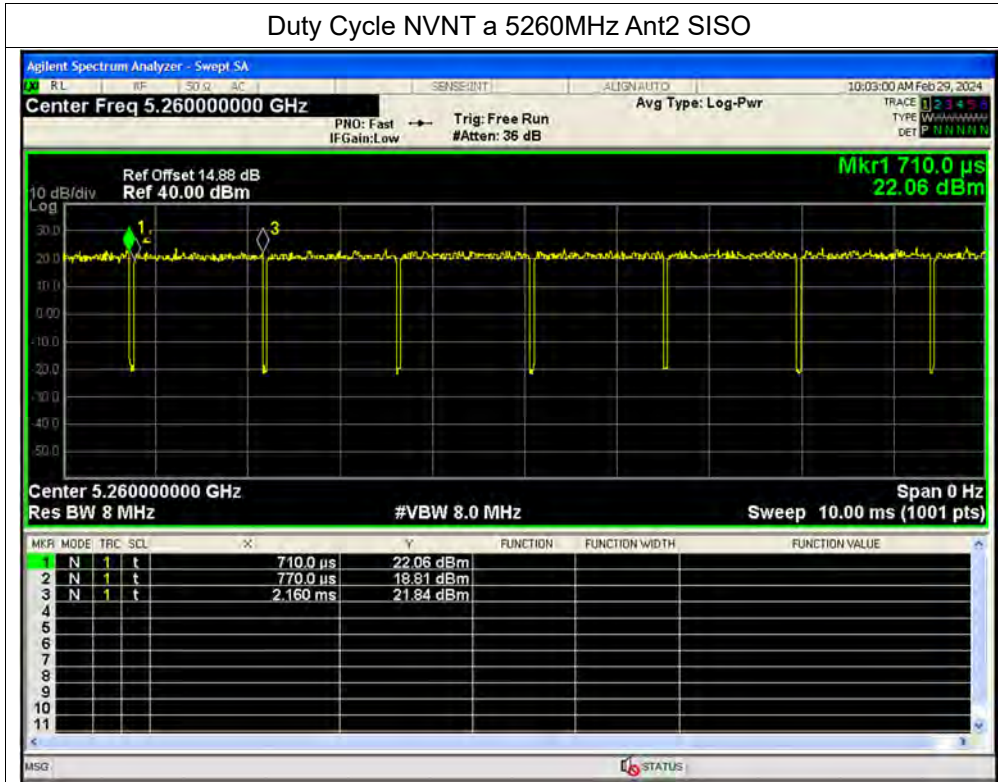


Duty Cycle NVNT a 5240MHz Ant2 SISO

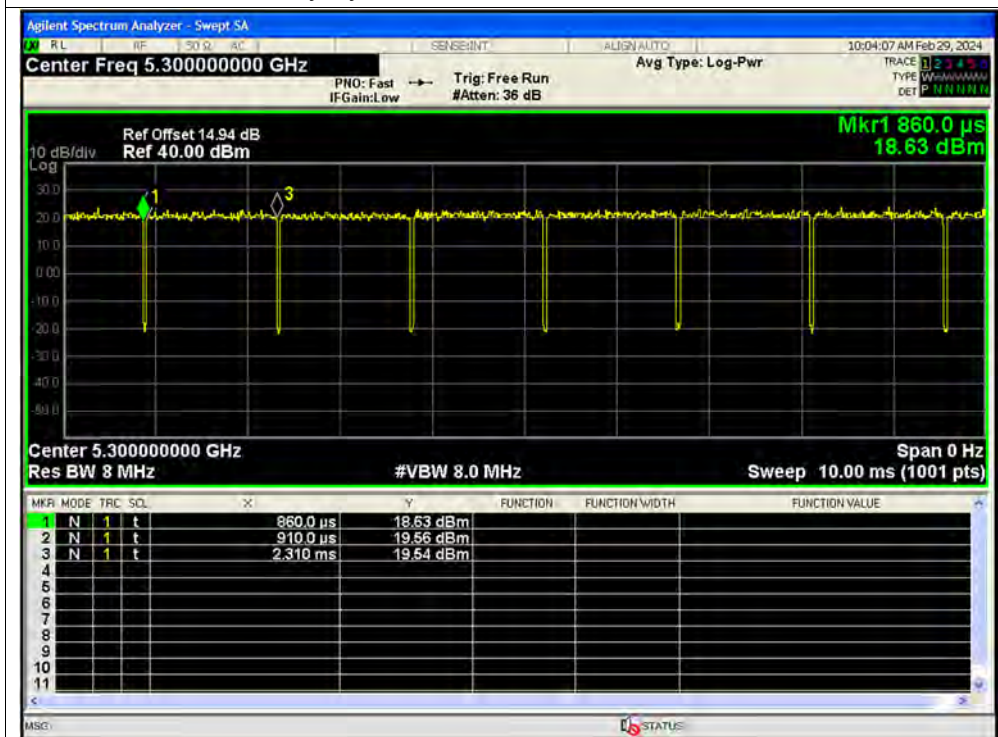




Duty Cycle NVNT a 5260MHz Ant2 SISO

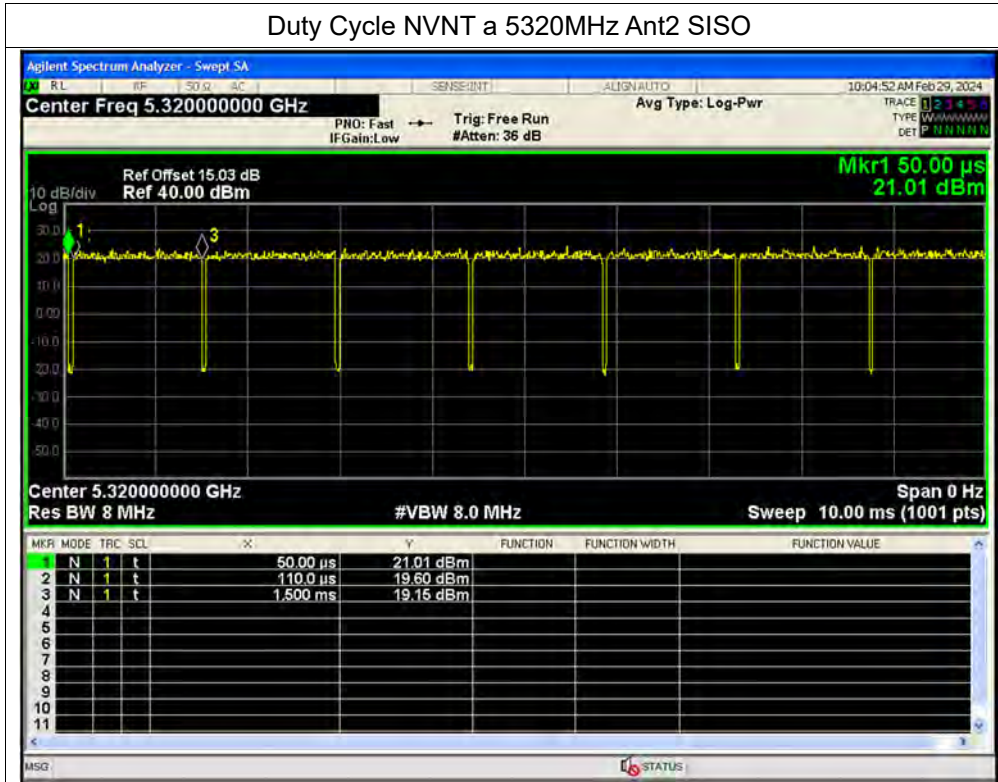


Duty Cycle NVNT a 5300MHz Ant2 SISO

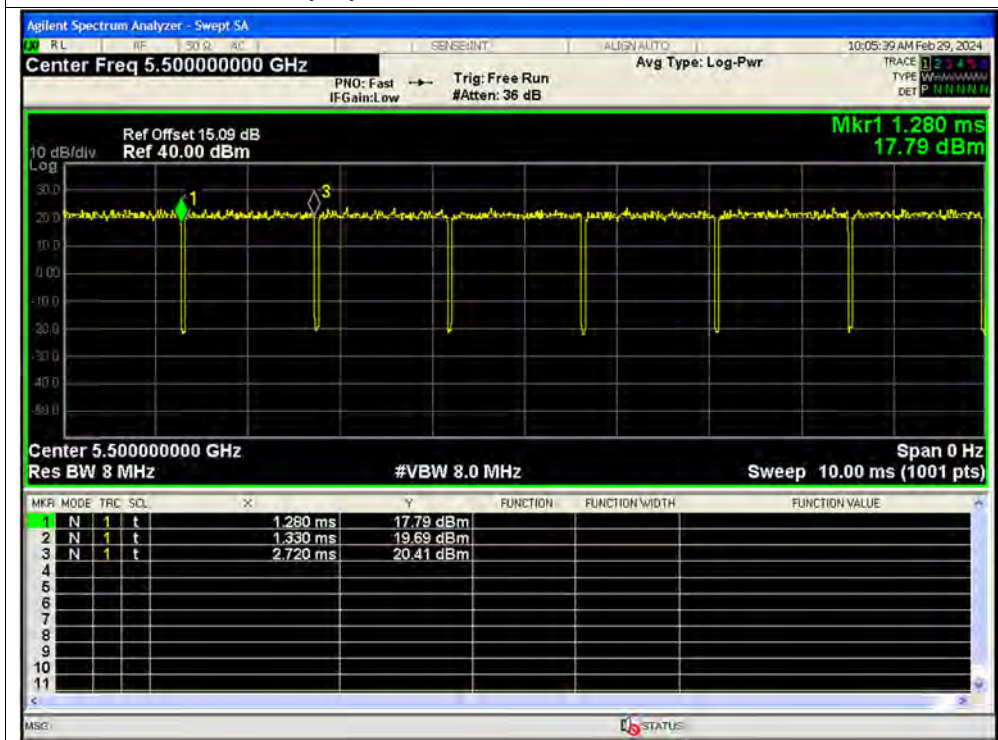




Duty Cycle NVNT a 5320MHz Ant2 SISO

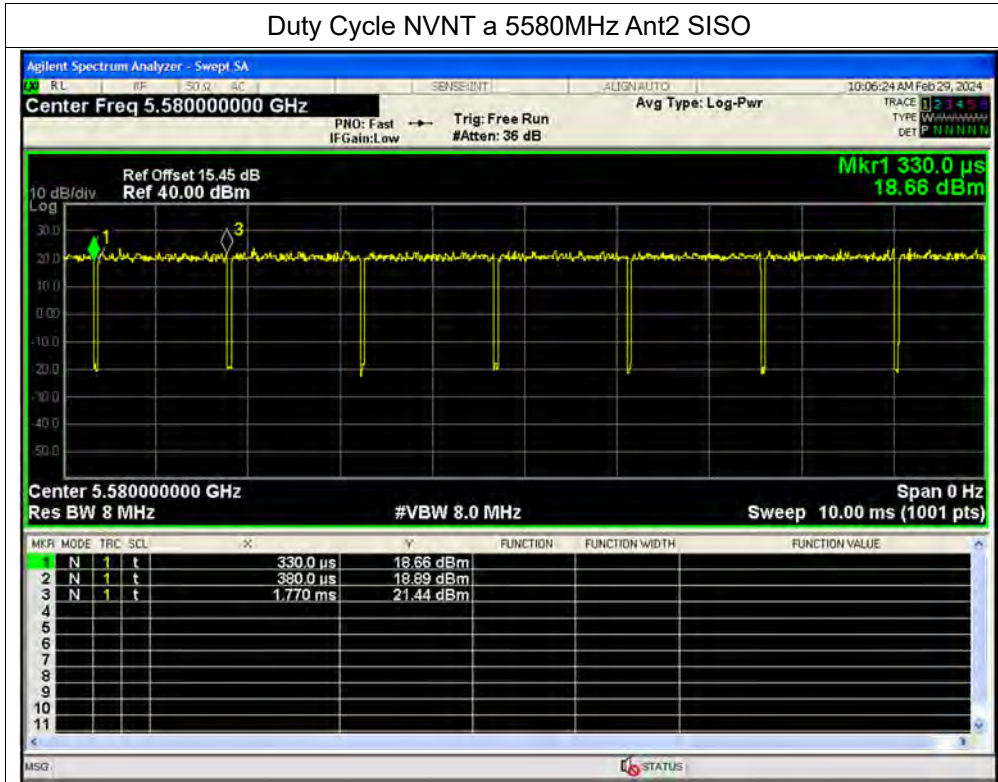


Duty Cycle NVNT a 5500MHz Ant2 SISO

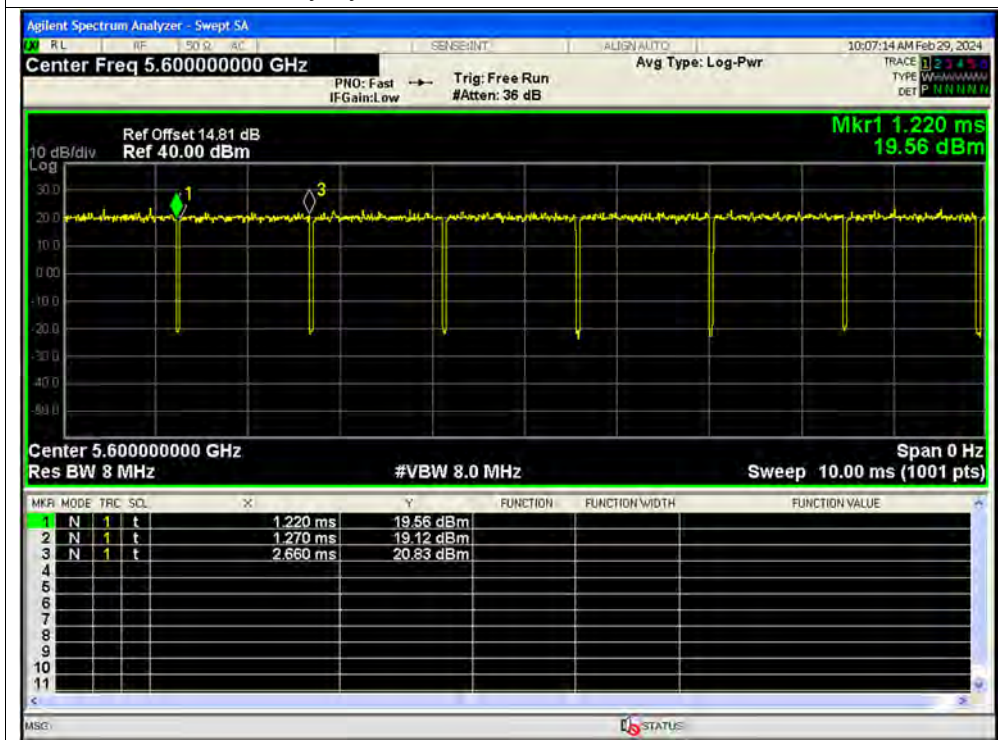




Duty Cycle NVNT a 5580MHz Ant2 SISO

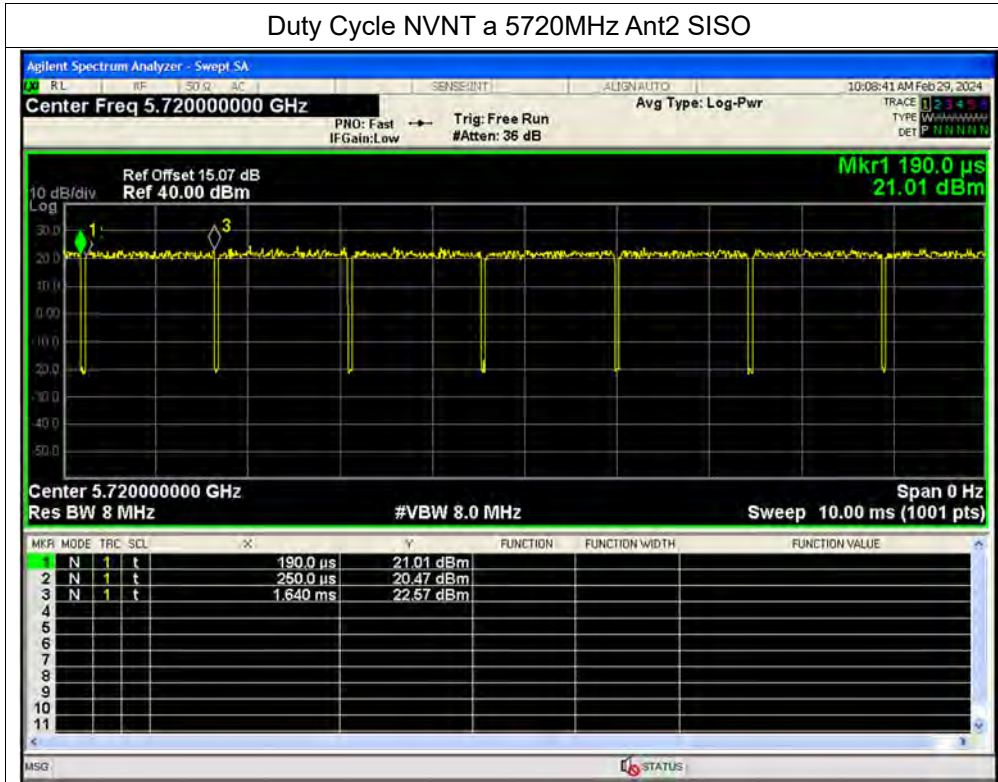


Duty Cycle NVNT a 5600MHz Ant2 SISO

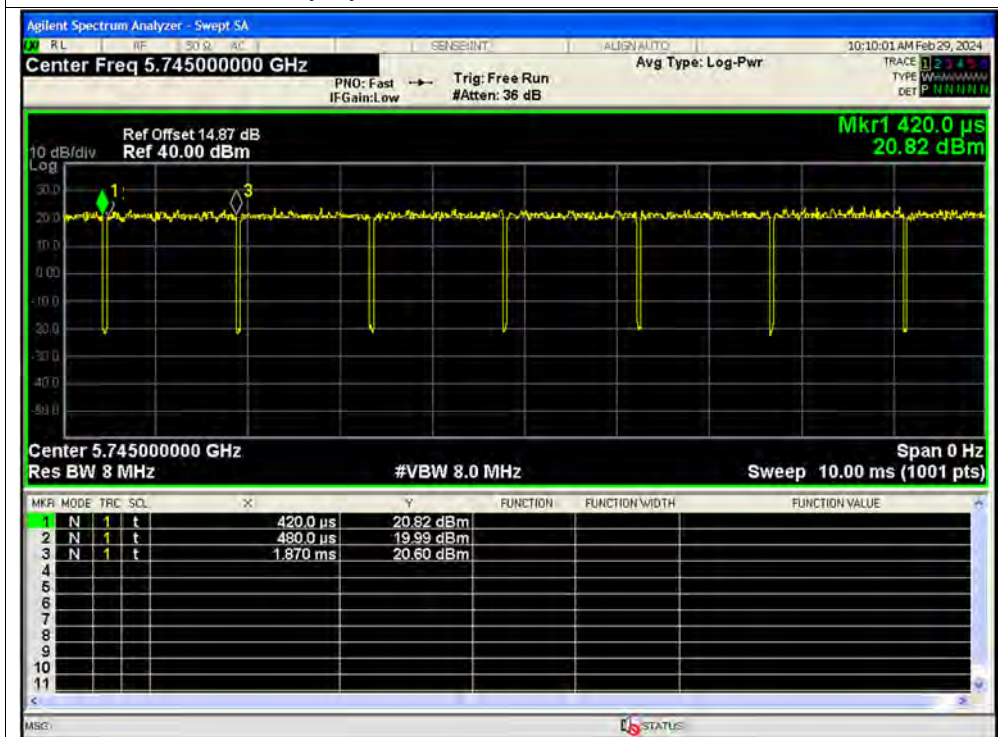




Duty Cycle NVNT a 5720MHz Ant2 SISO

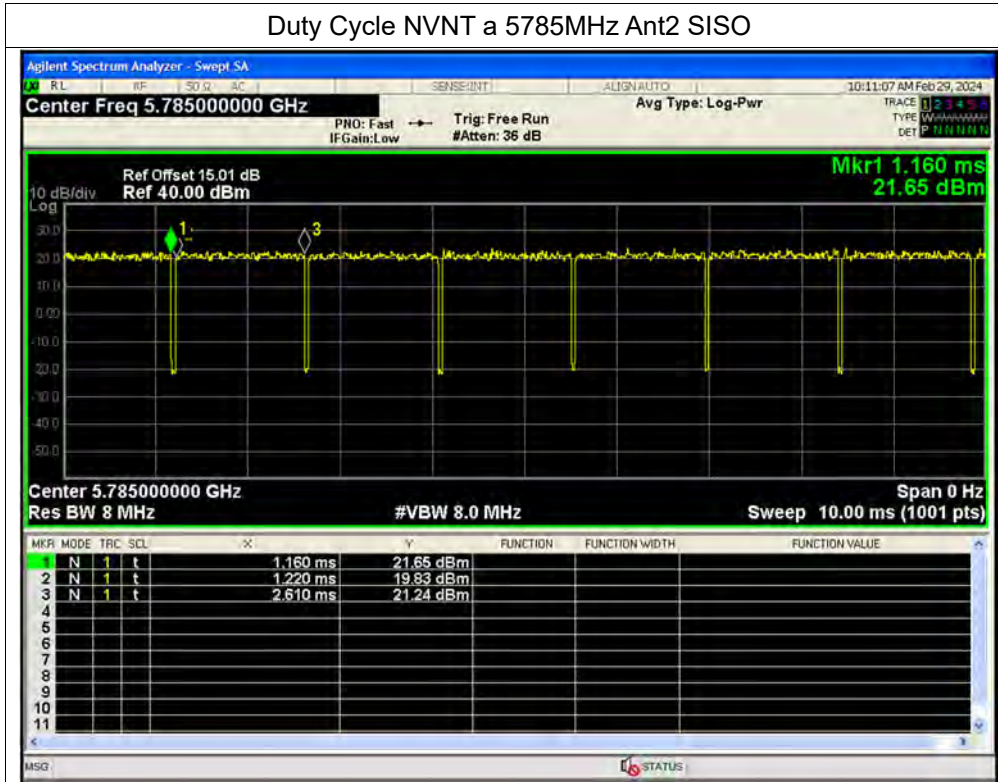


Duty Cycle NVNT a 5745MHz Ant2 SISO

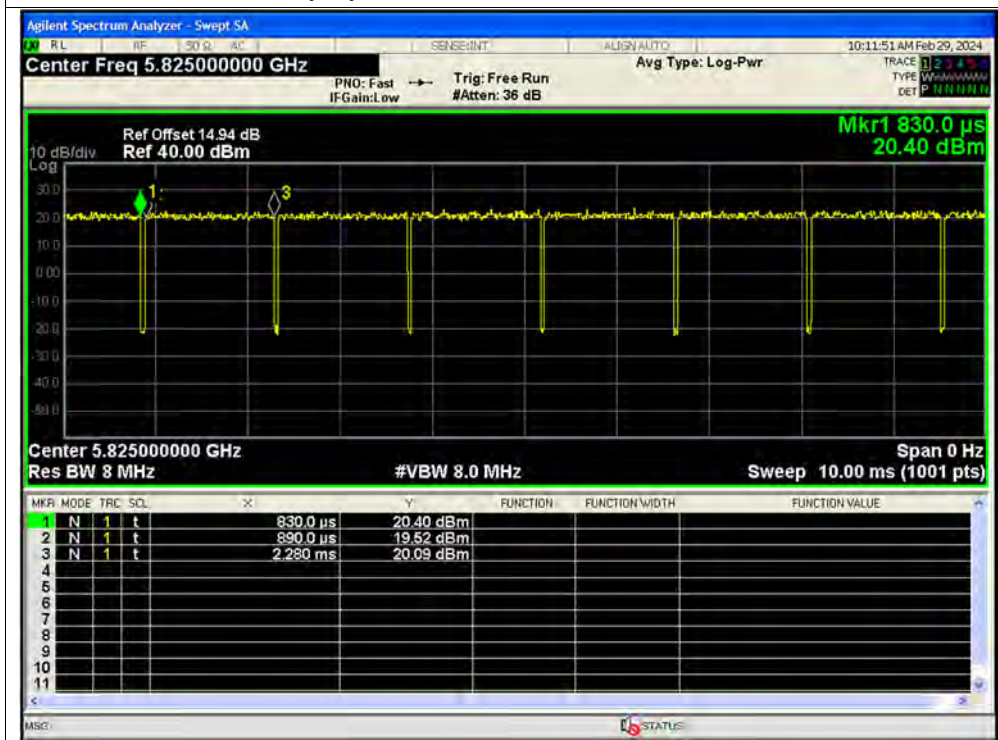




Duty Cycle NVNT a 5785MHz Ant2 SISO

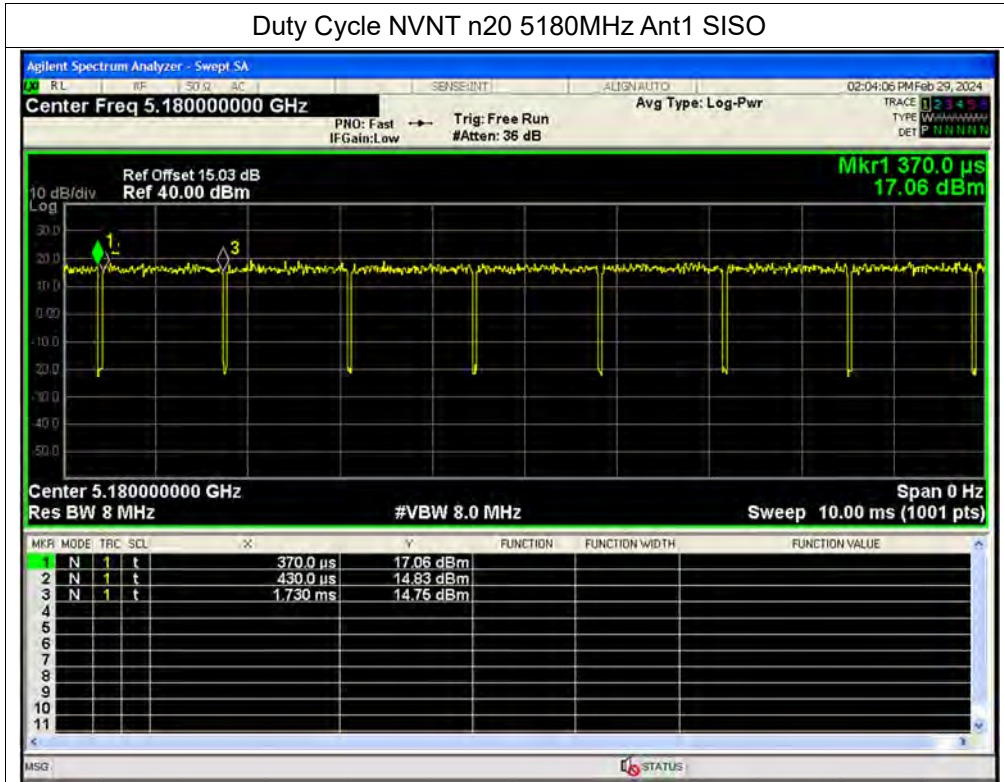


Duty Cycle NVNT a 5825MHz Ant2 SISO

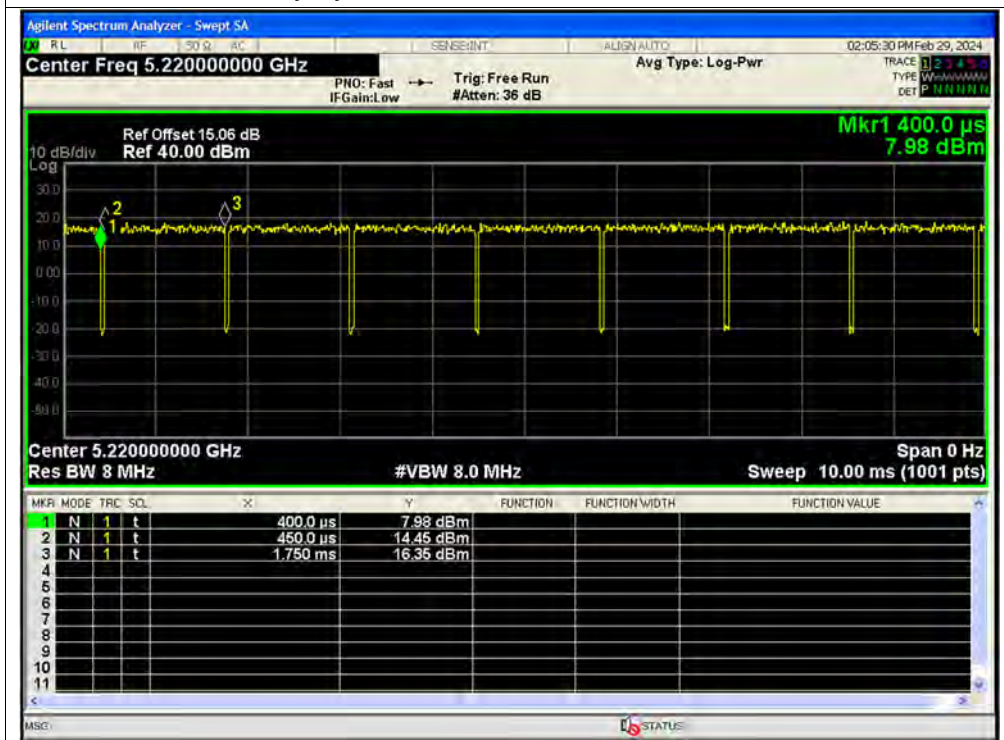




Duty Cycle NVNT n20 5180MHz Ant1 SISO

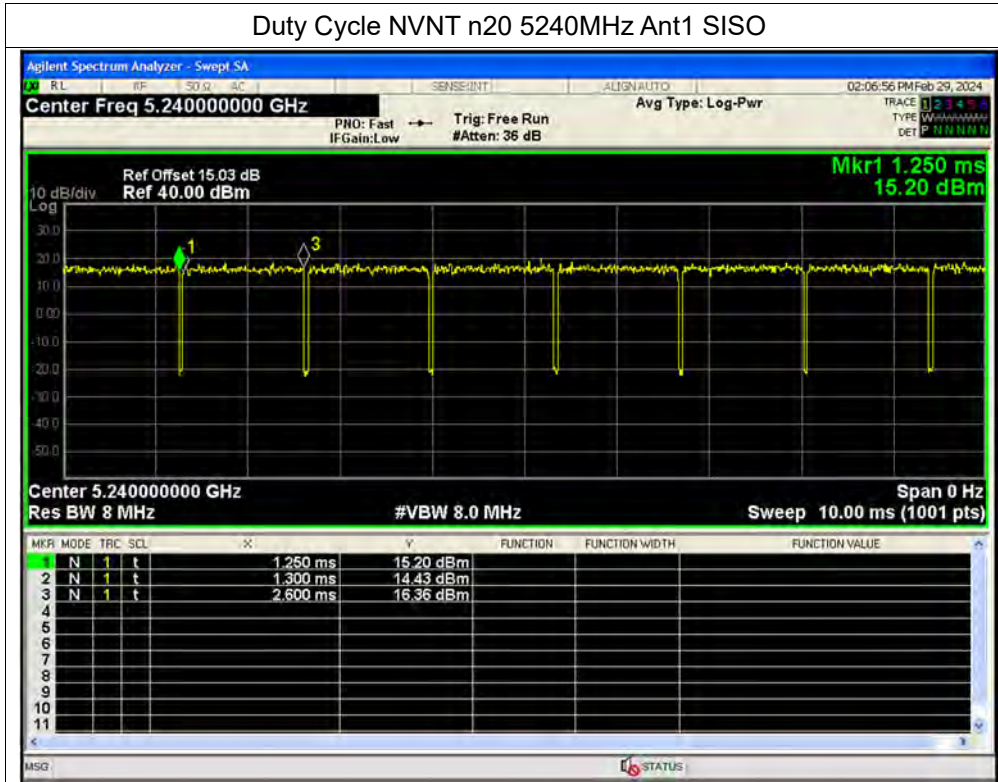


Duty Cycle NVNT n20 5220MHz Ant1 SISO

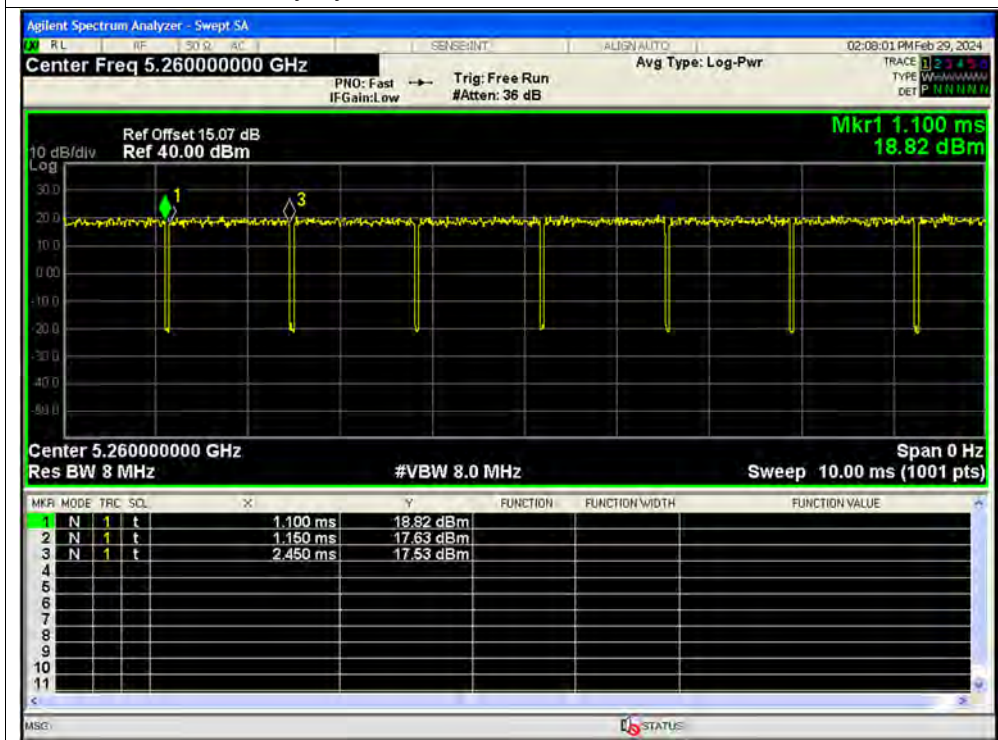




Duty Cycle NVNT n20 5240MHz Ant1 SISO

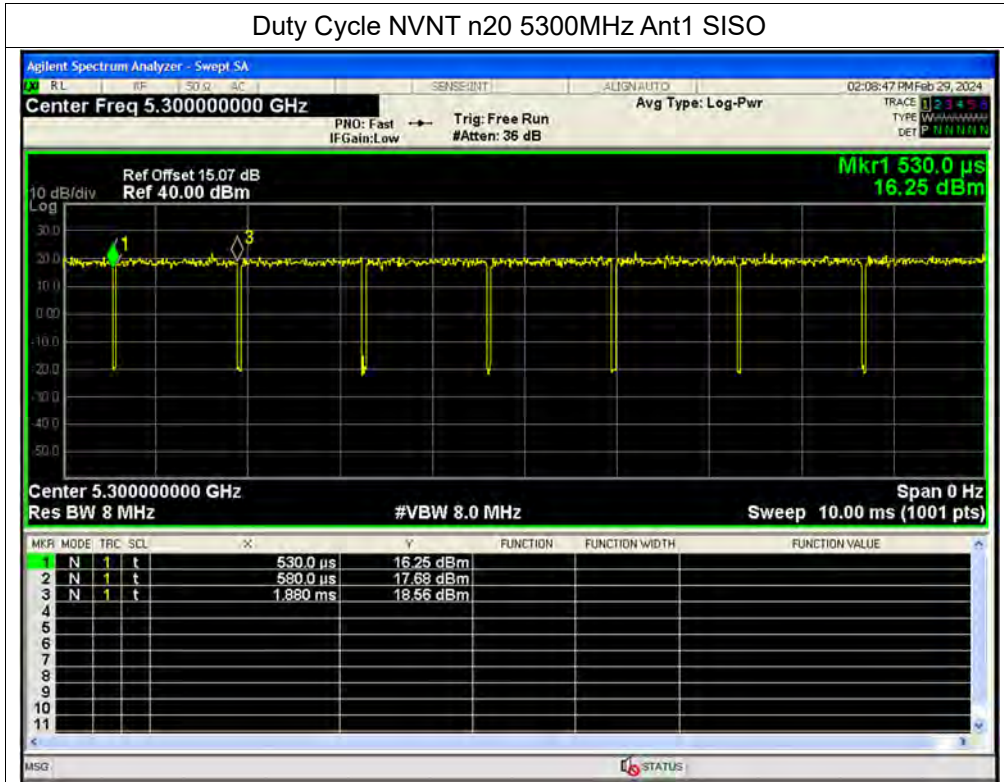


Duty Cycle NVNT n20 5260MHz Ant1 SISO

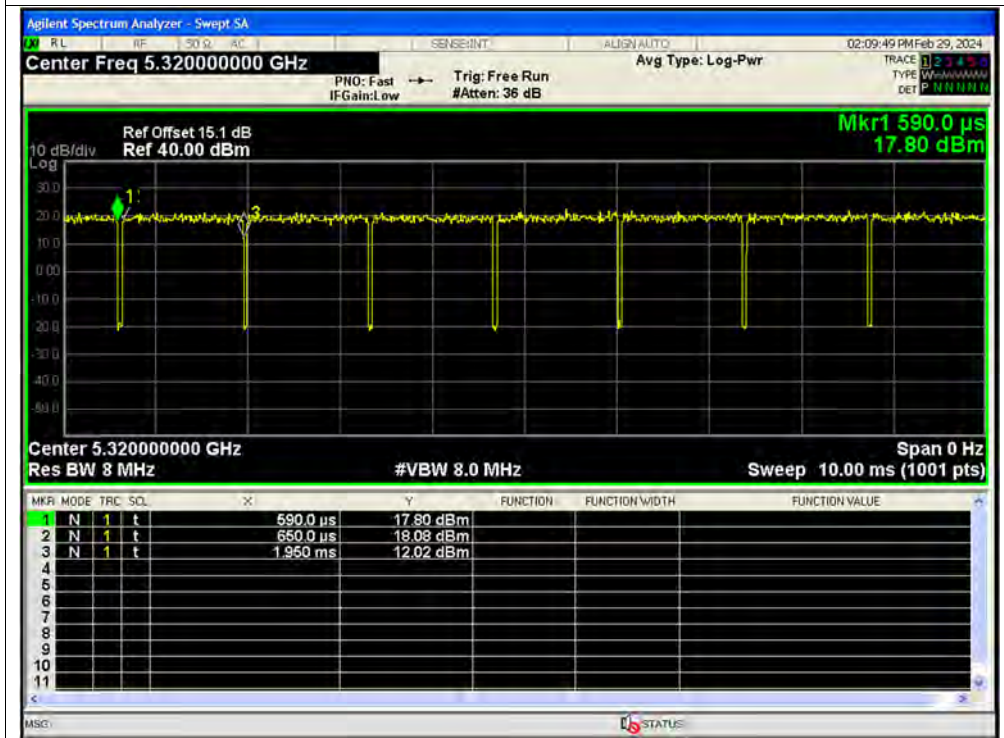




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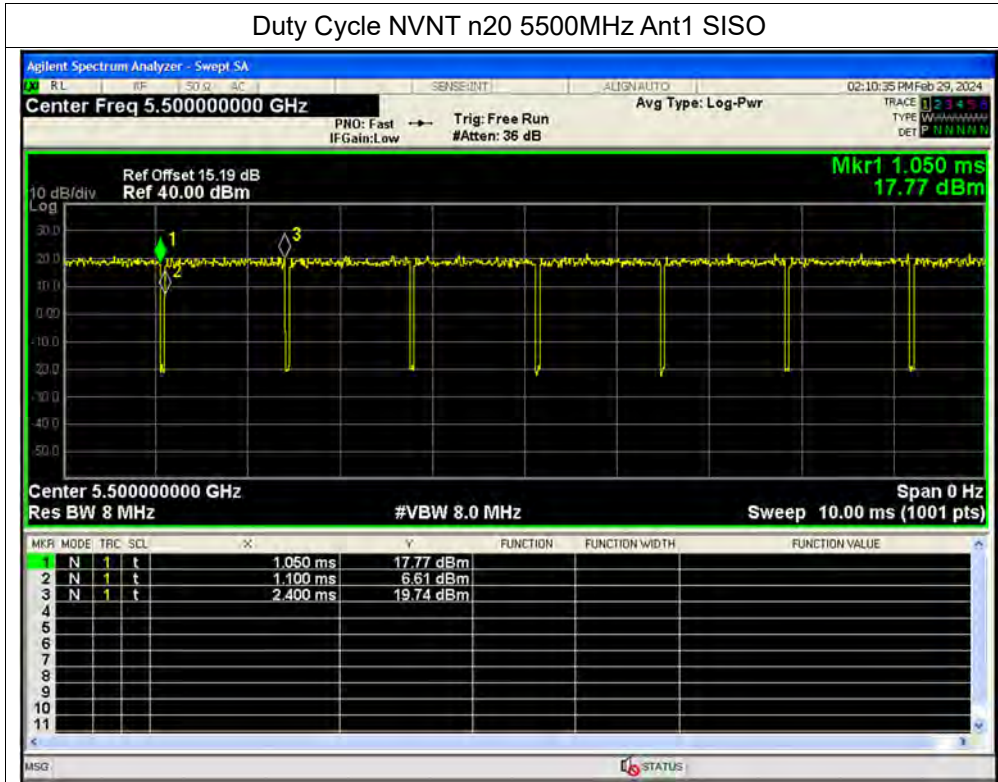


Duty Cycle NVNT n20 5320MHz Ant1 SISO

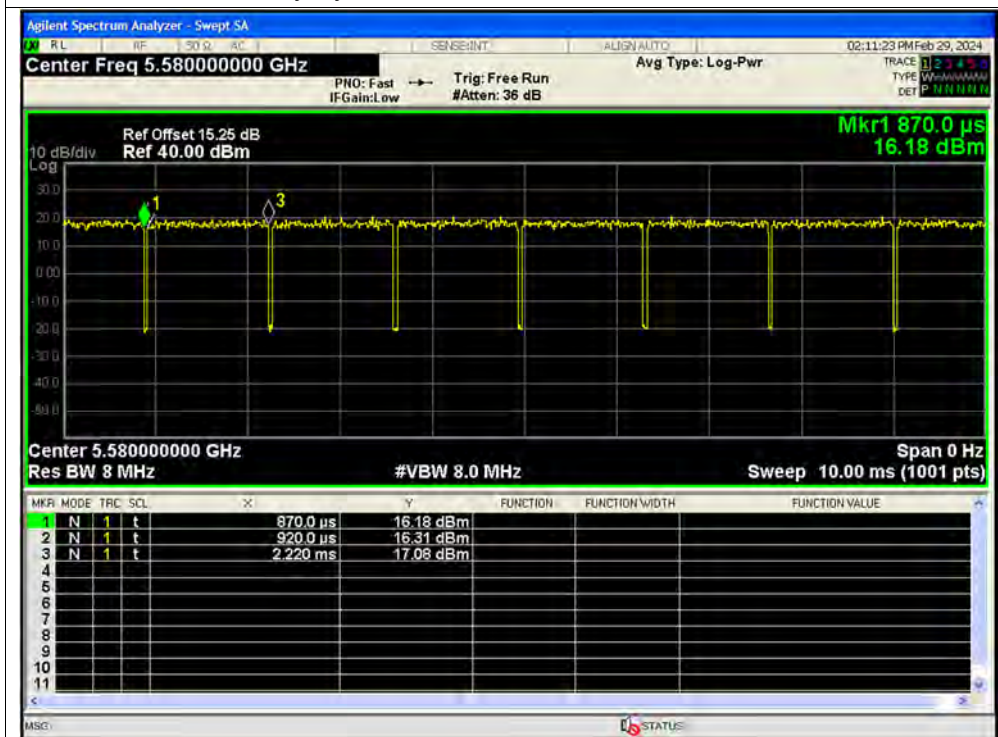




Duty Cycle NVNT n20 5500MHz Ant1 SISO

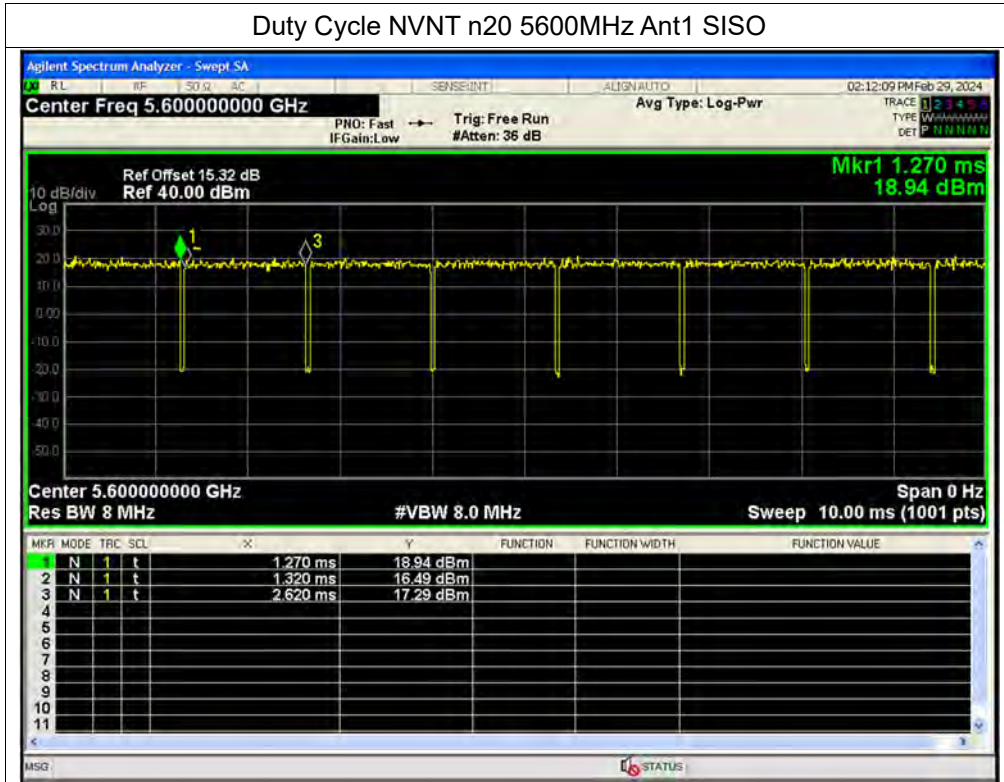


Duty Cycle NVNT n20 5580MHz Ant1 SISO

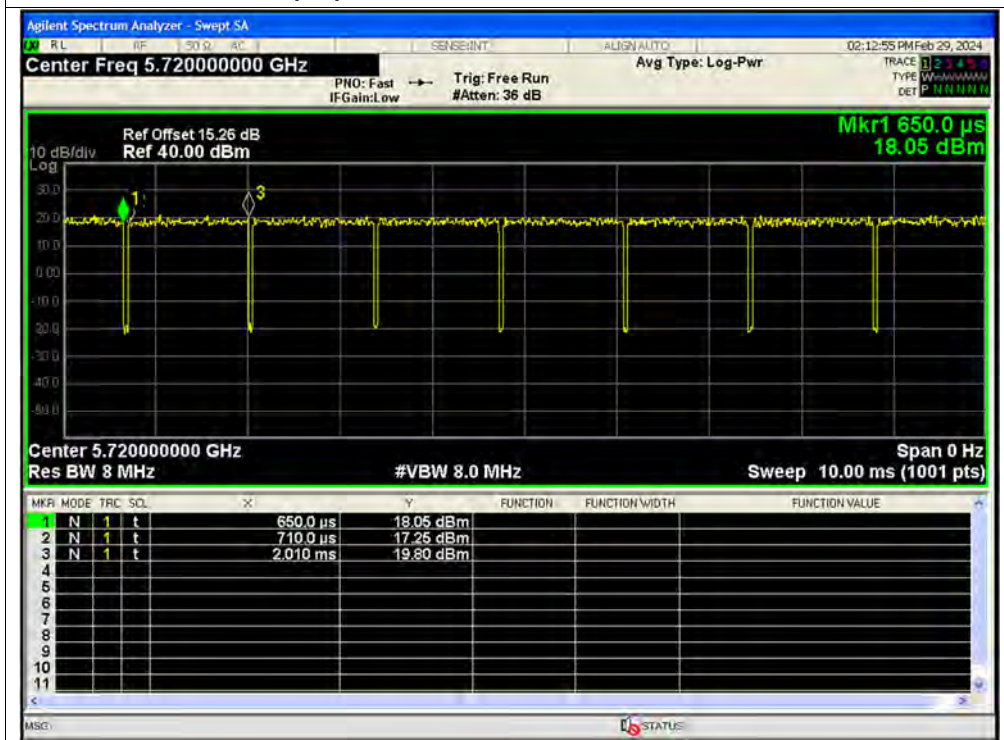




Duty Cycle NVNT n20 5600MHz Ant1 SISO

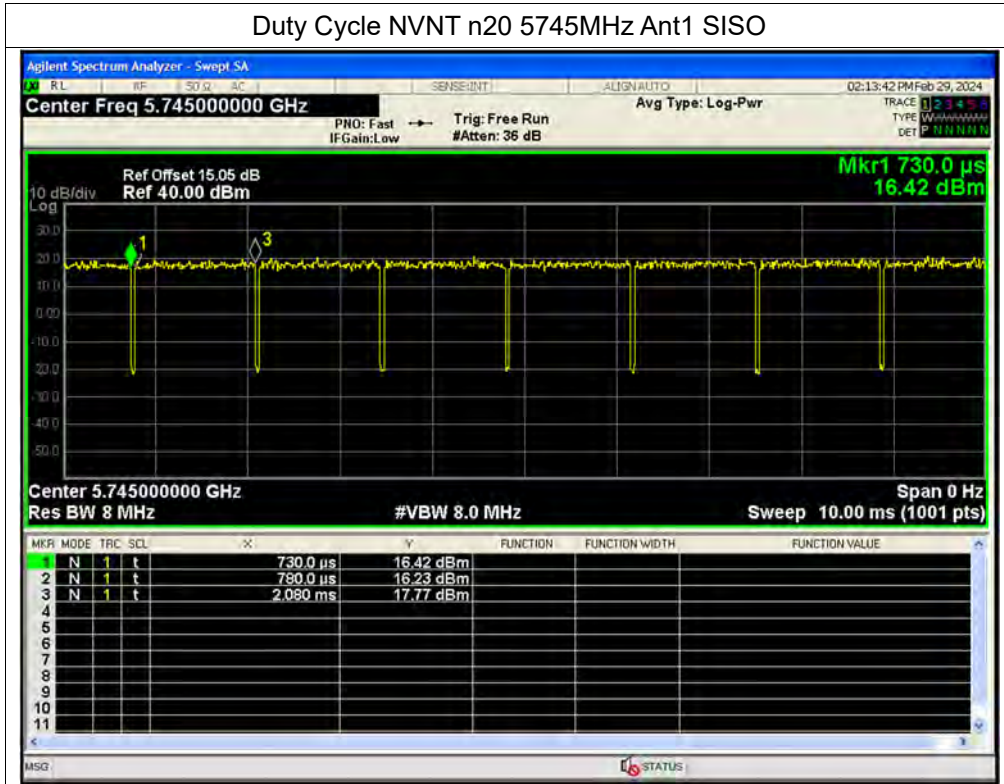


Duty Cycle NVNT n20 5720MHz Ant1 SISO

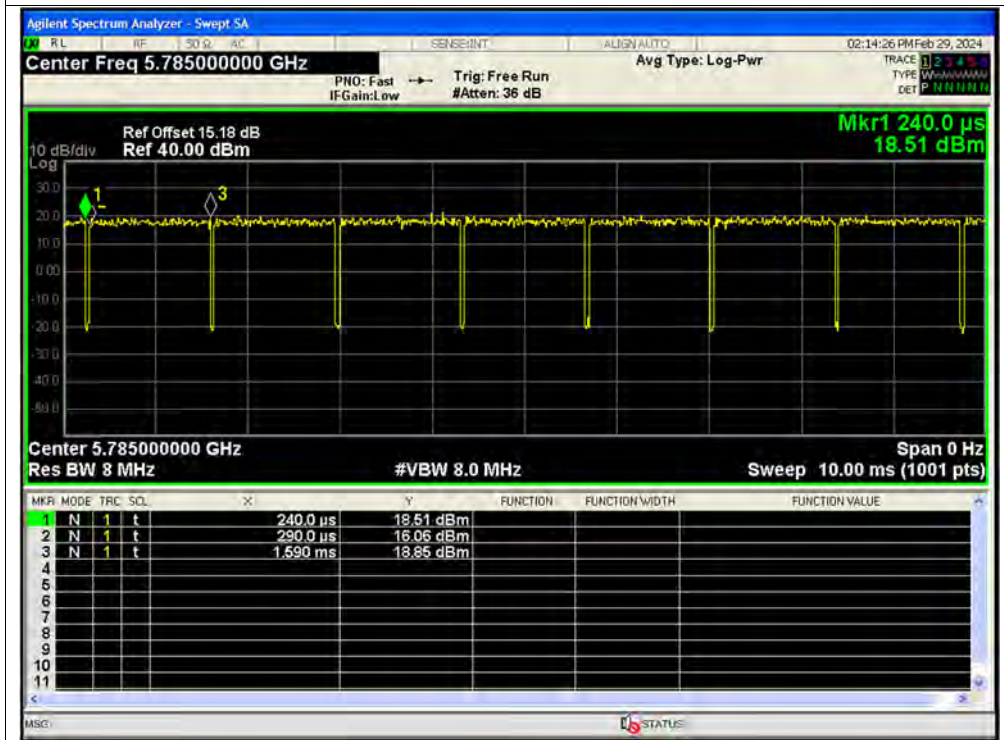




Duty Cycle NVNT n20 5745MHz Ant1 SISO

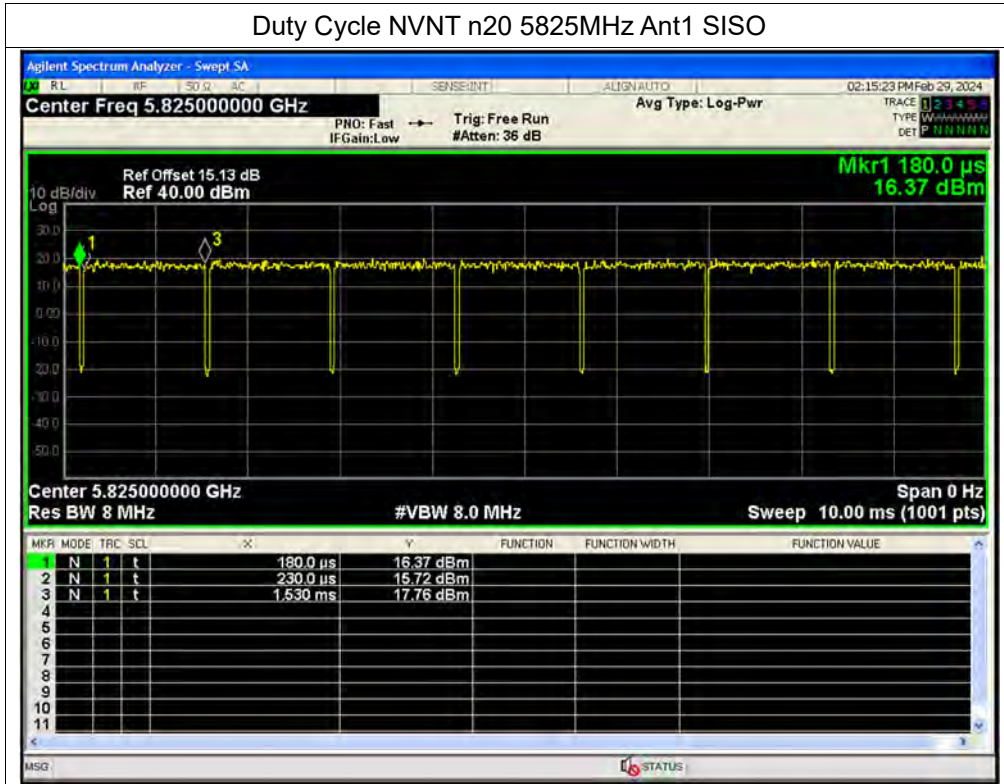


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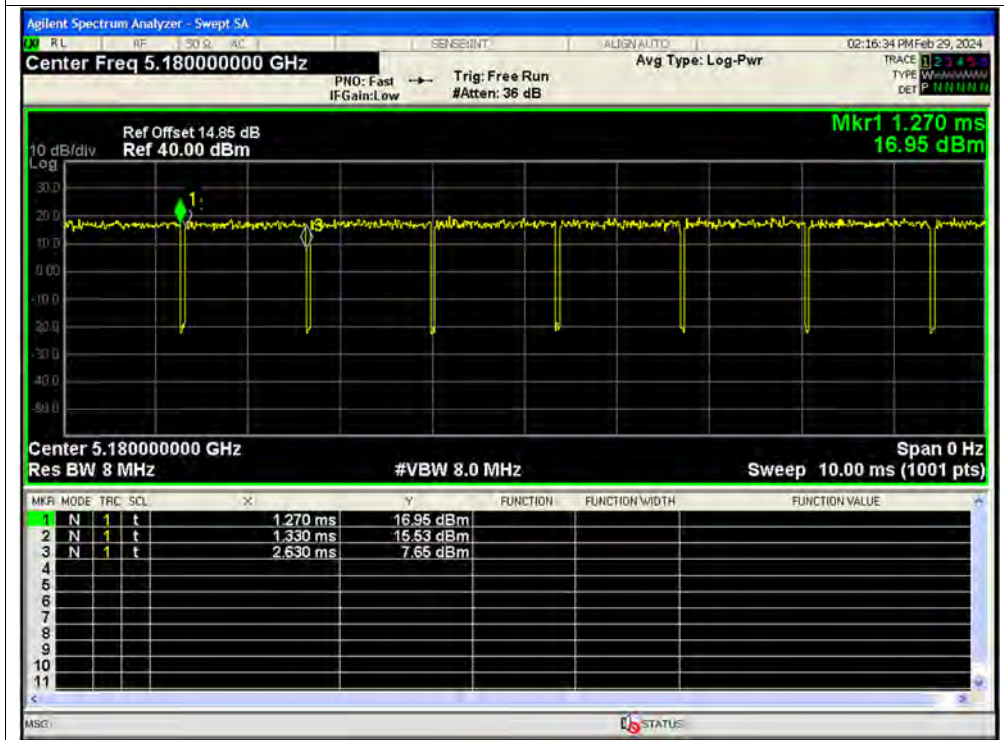




Duty Cycle NVNT n20 5825MHz Ant1 SISO

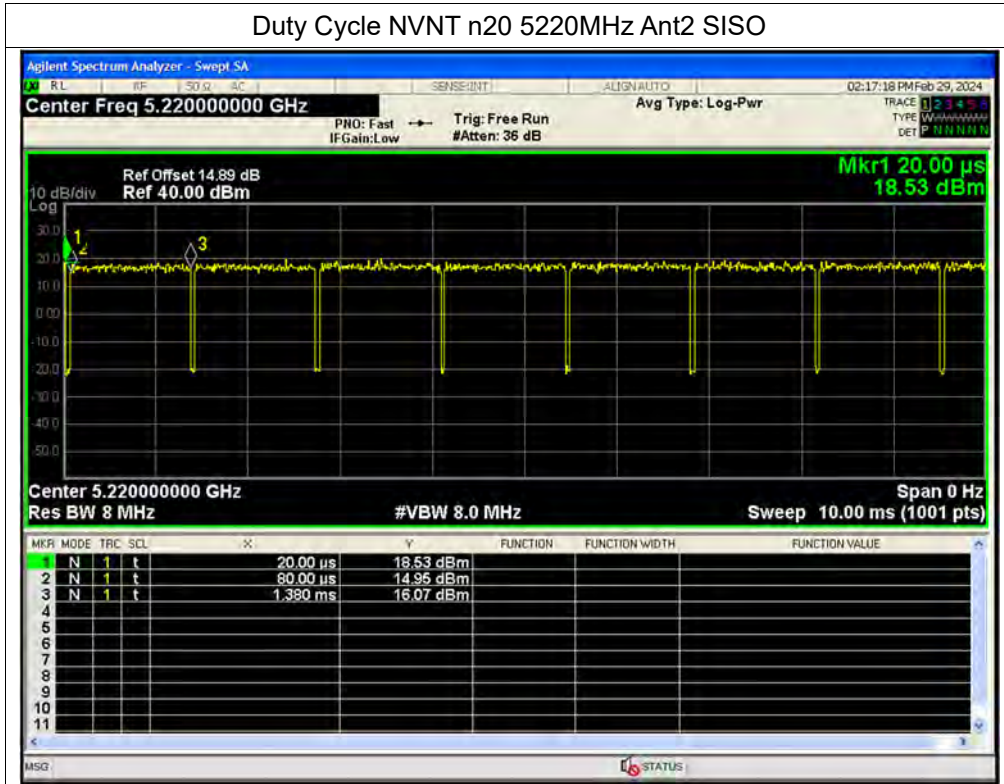


Duty Cycle NVNT n20 5180MHz Ant2 SISO

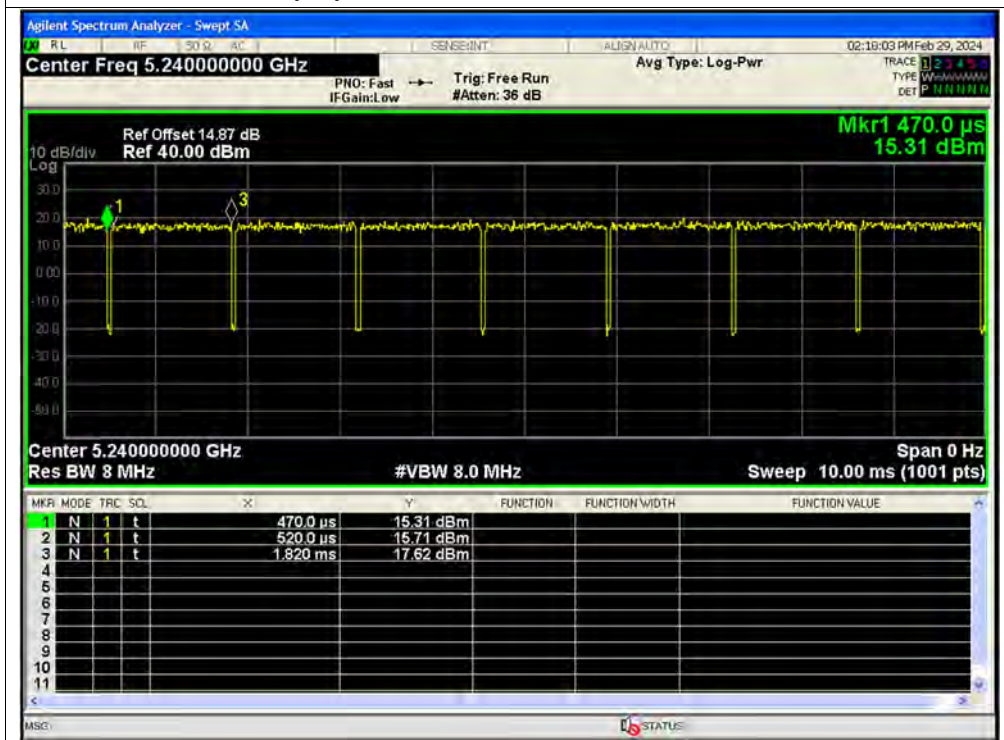




Duty Cycle NVNT n20 5220MHz Ant2 SISO

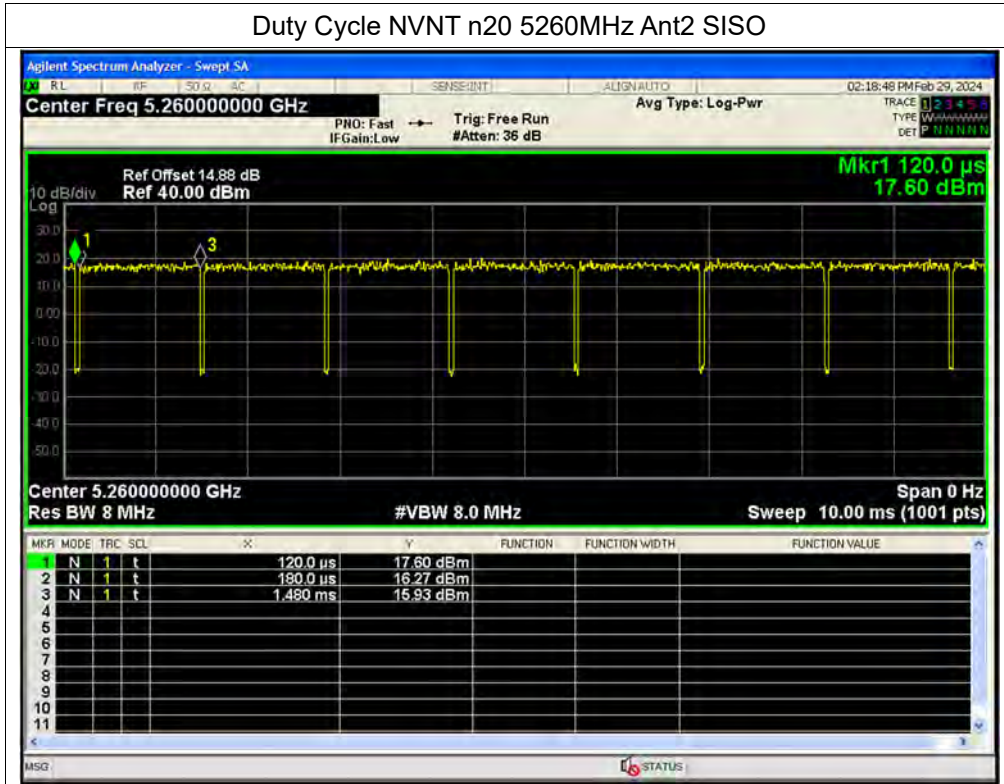


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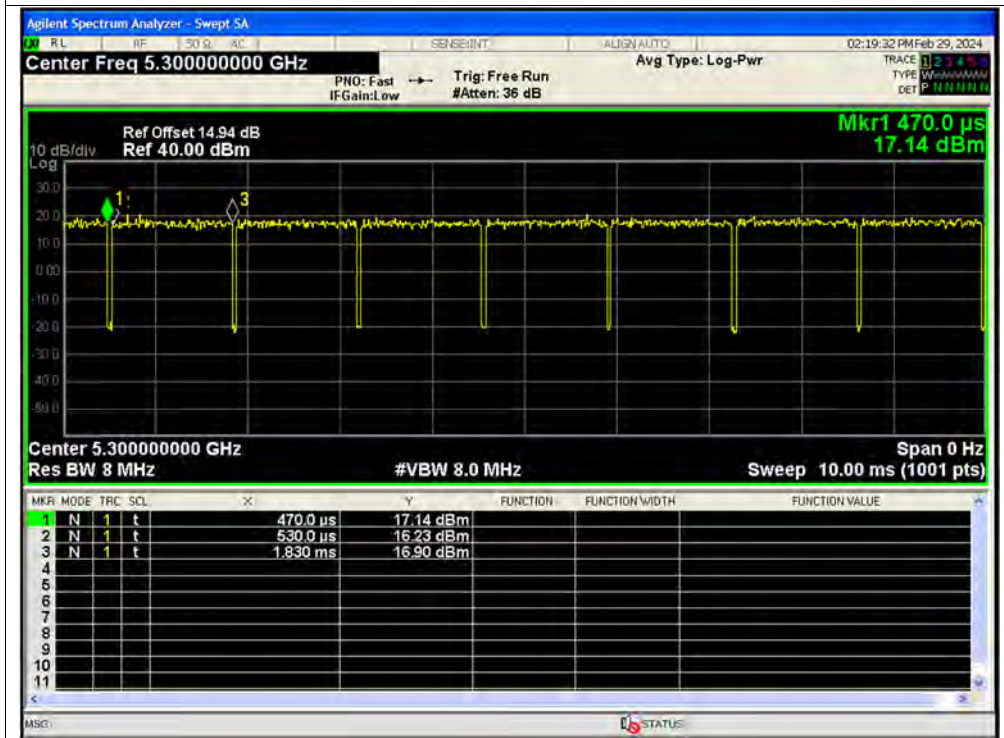




Duty Cycle NVNT n20 5260MHz Ant2 SISO

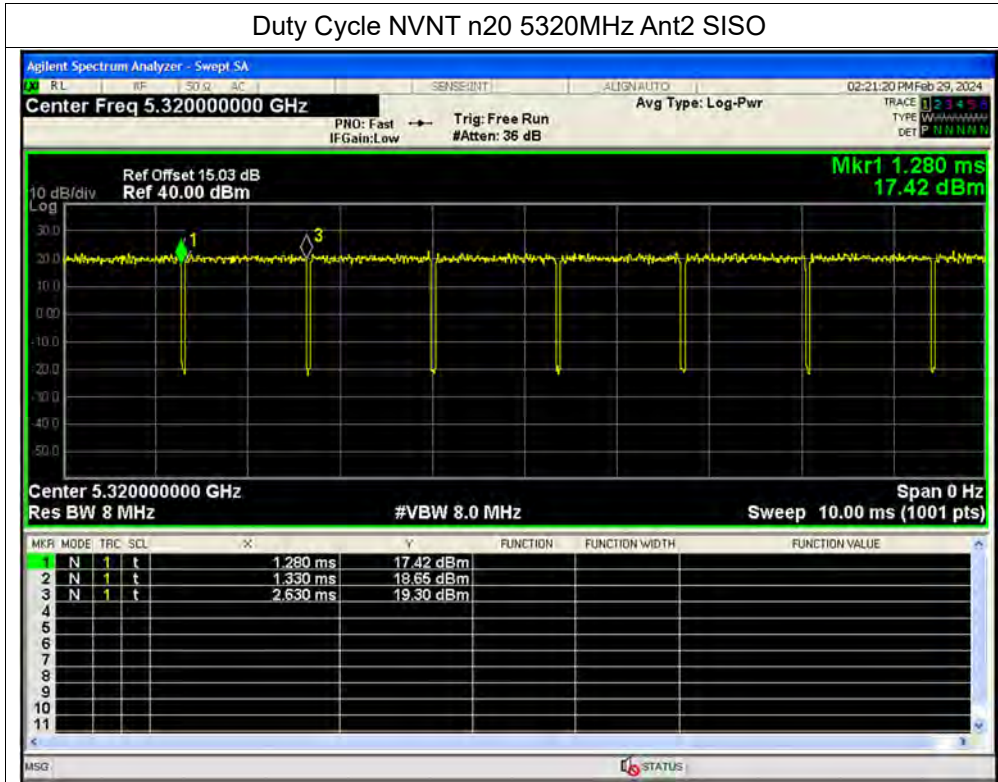


Duty Cycle NVNT n20 5300MHz Ant2 SISO

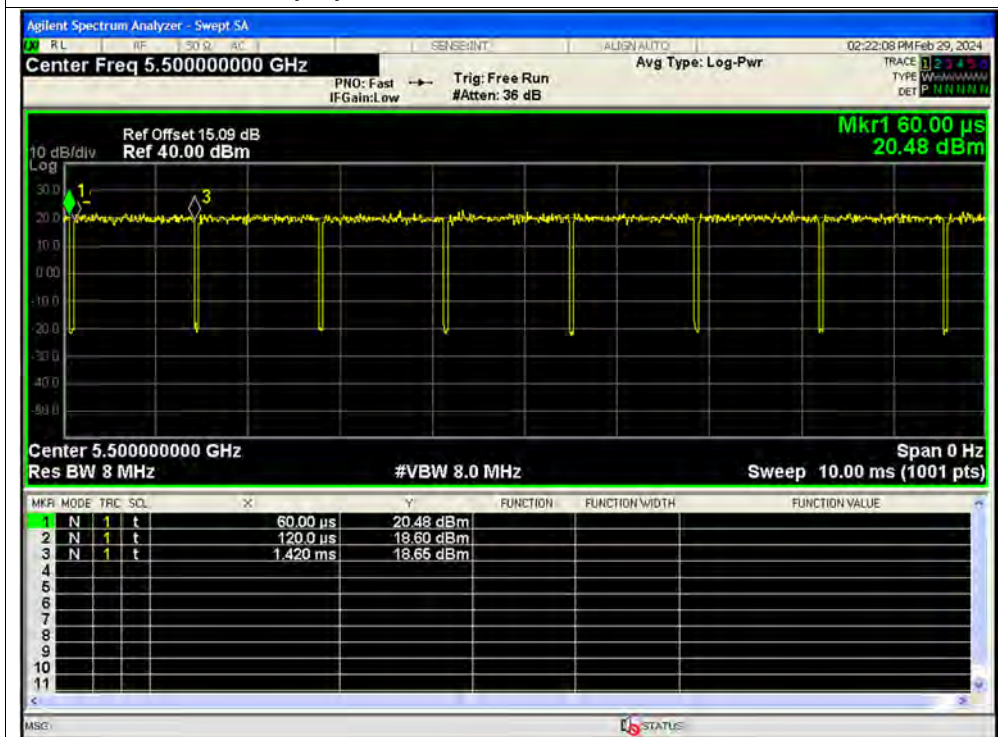




Duty Cycle NVNT n20 5320MHz Ant2 SISO

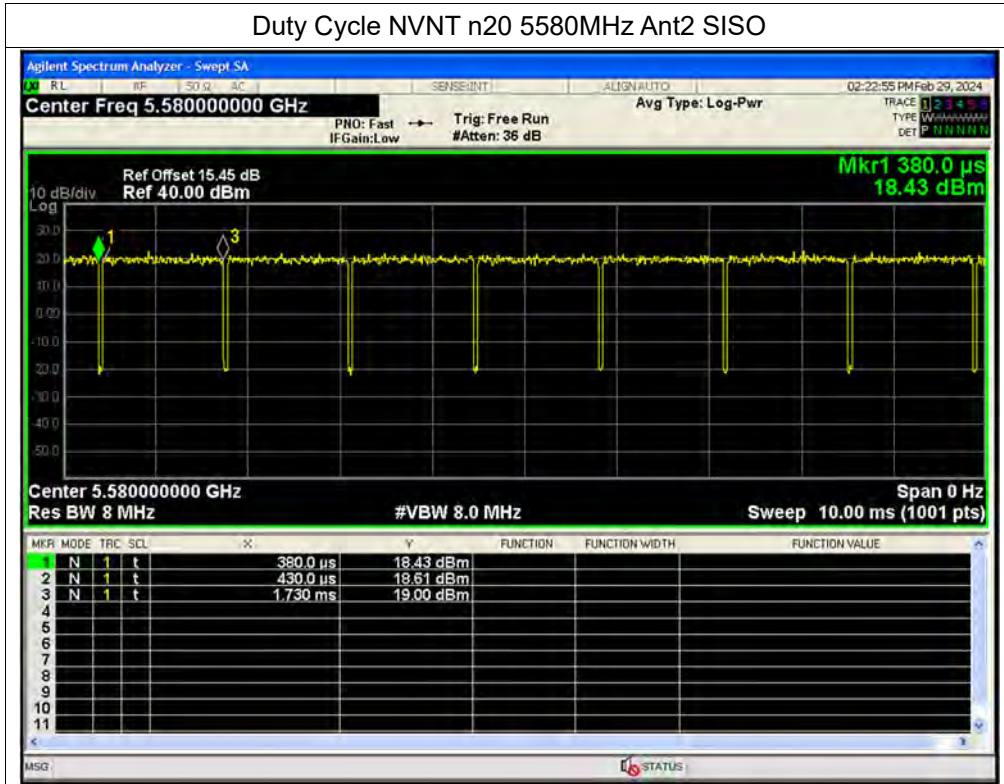


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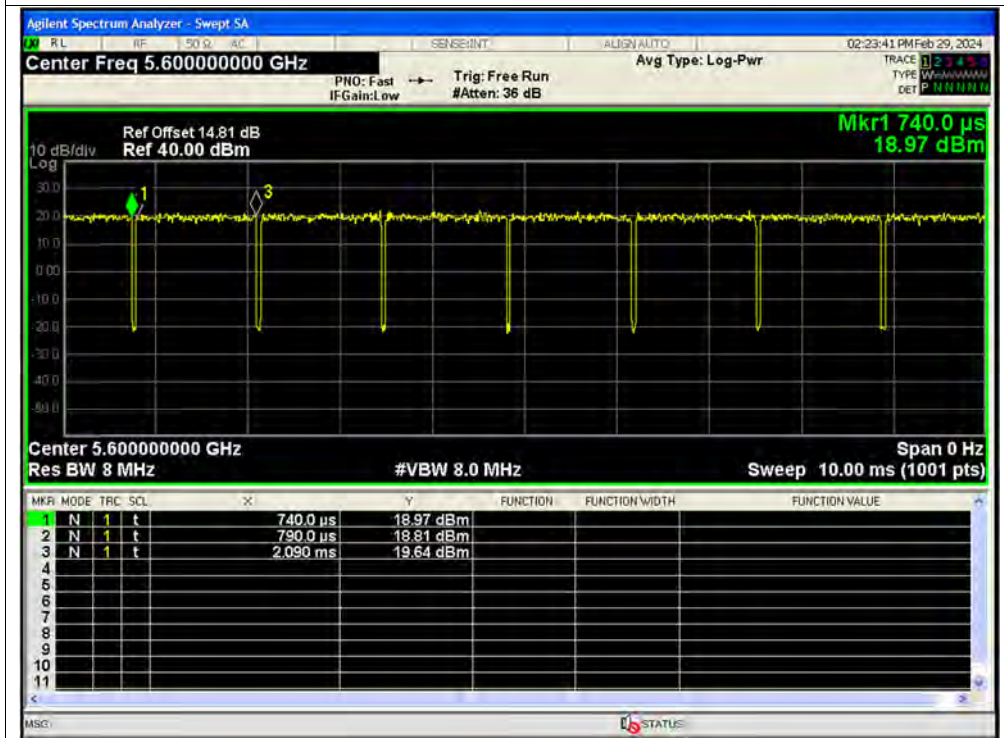




Duty Cycle NVNT n20 5580MHz Ant2 SISO

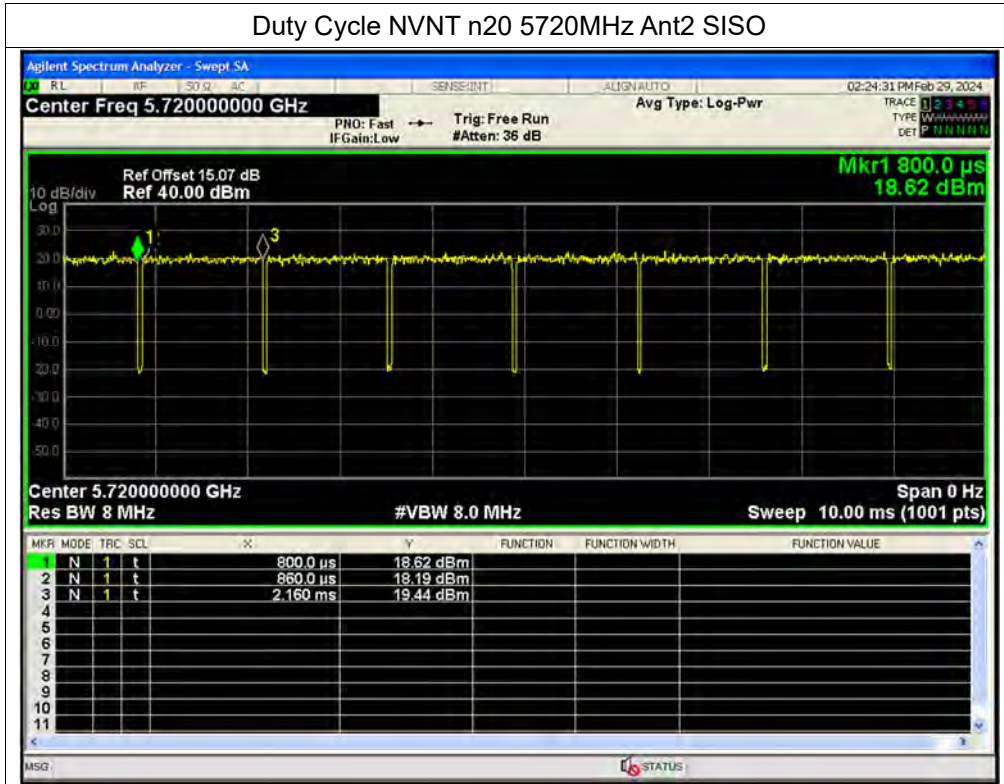


Duty Cycle NVNT n20 5600MHz Ant2 SISO

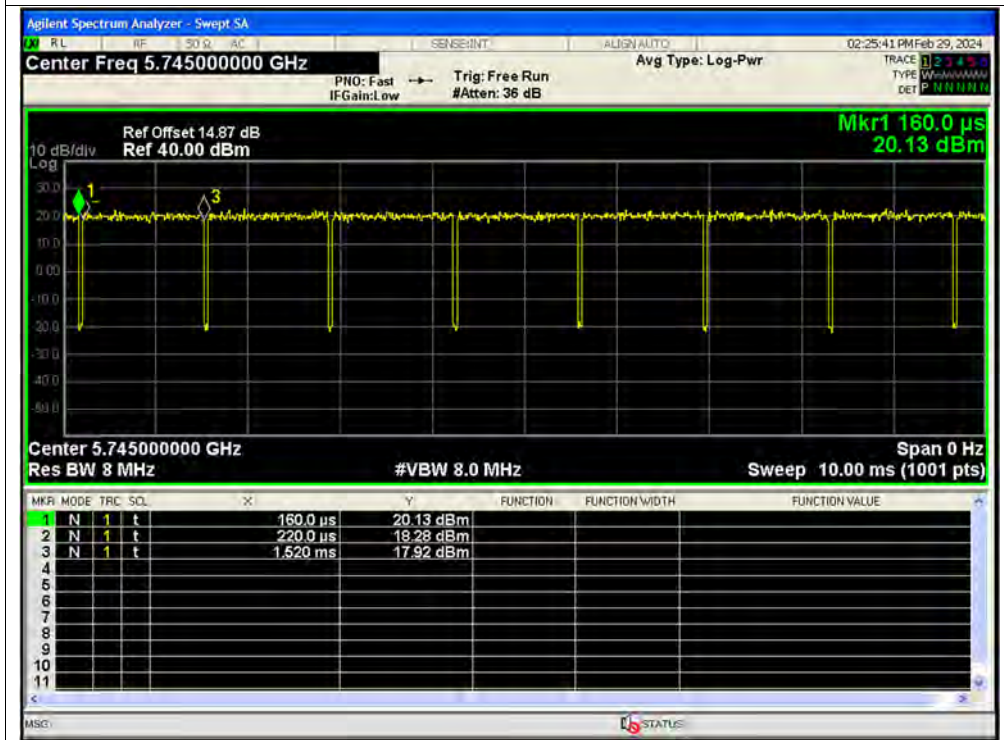




Duty Cycle NVNT n20 5720MHz Ant2 SISO

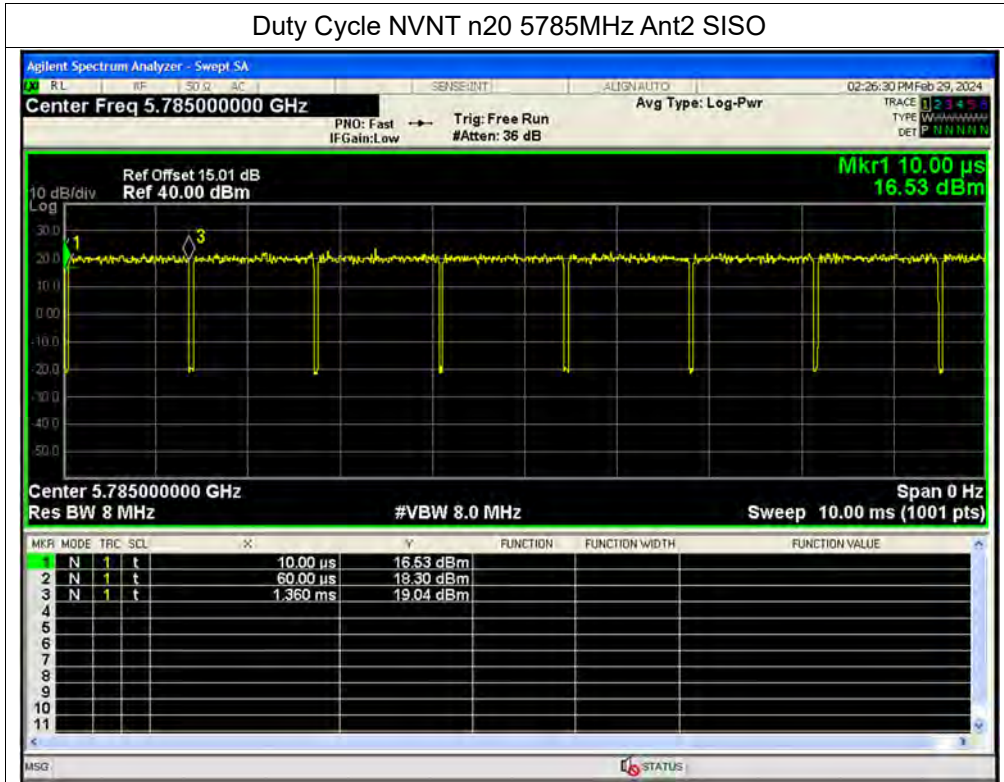


Duty Cycle NVNT n20 5745MHz Ant2 SISO

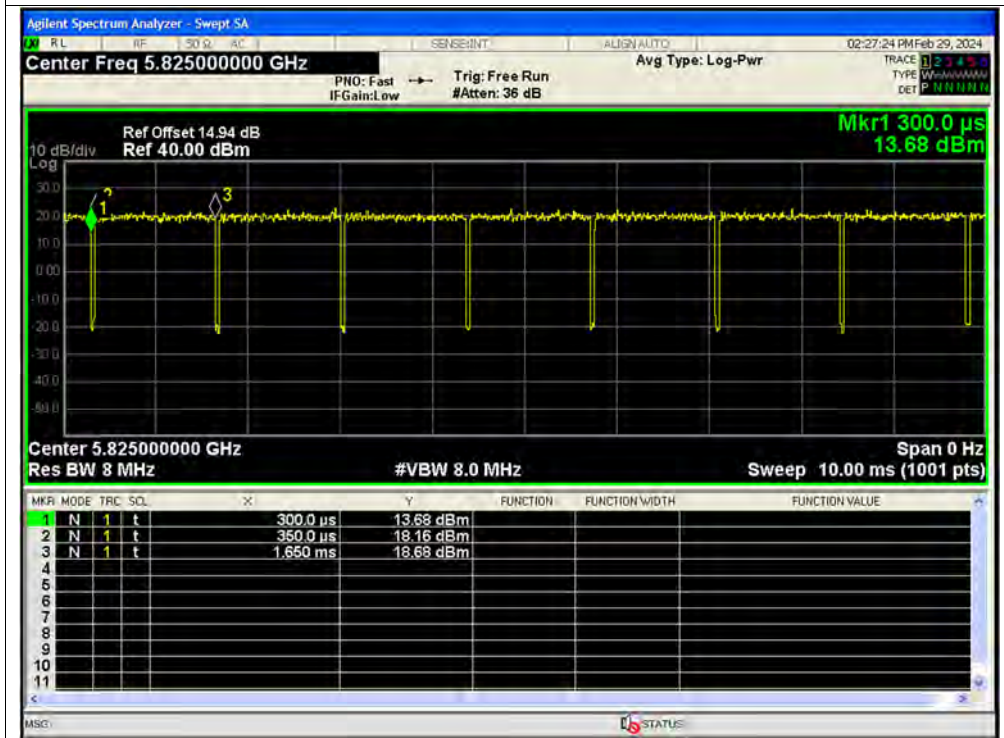




Duty Cycle NVNT n20 5785MHz Ant2 SISO

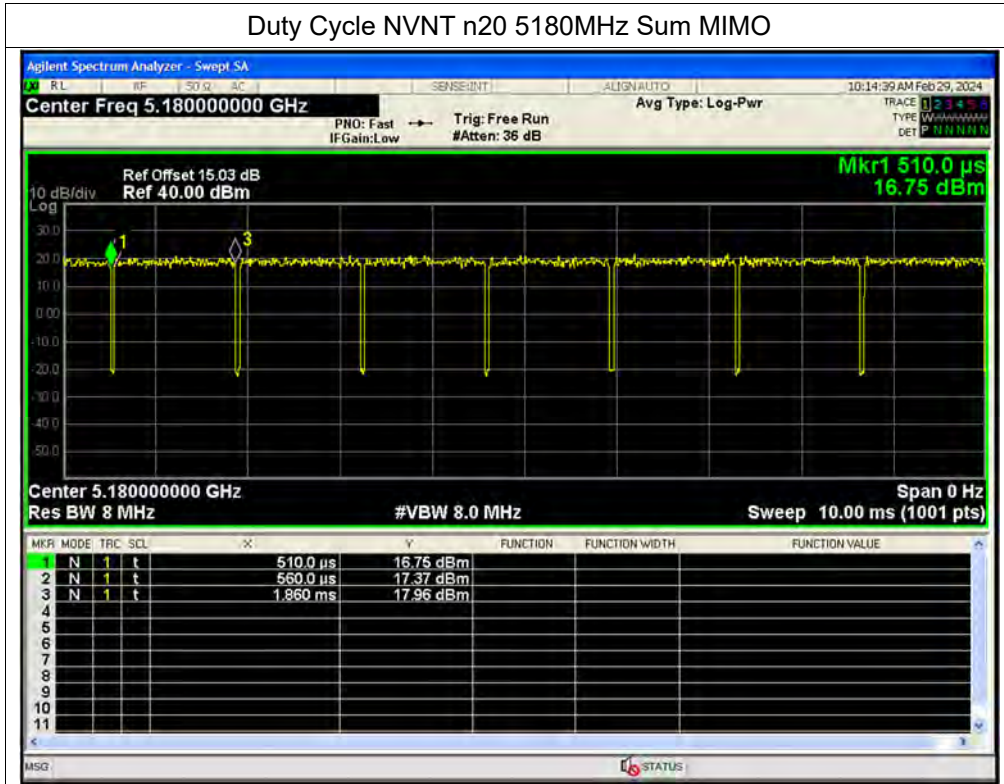


Duty Cycle NVNT n20 5825MHz Ant2 SISO

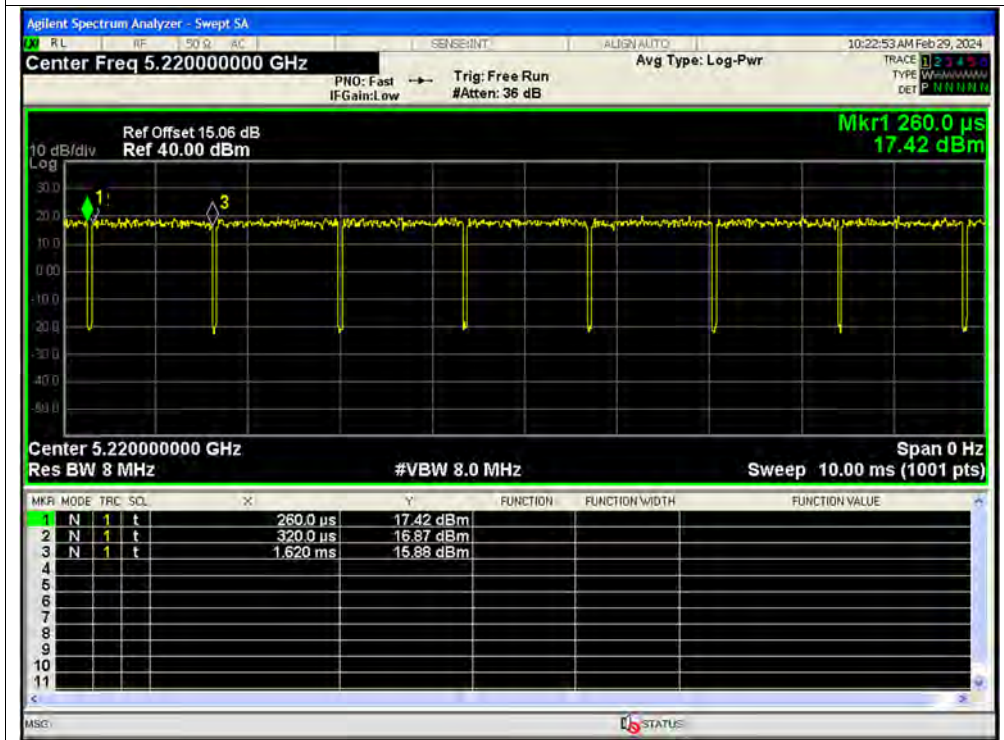




Duty Cycle NVNT n20 5180MHz Sum MIMO

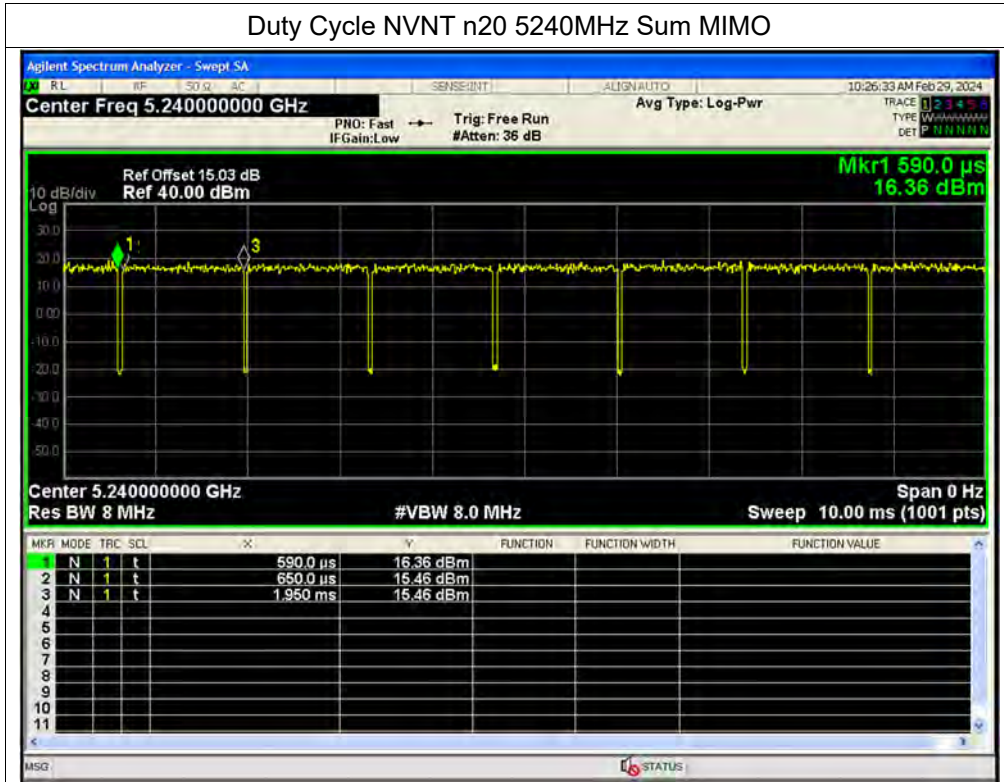


Duty Cycle NVNT n20 5220MHz Sum MIMO

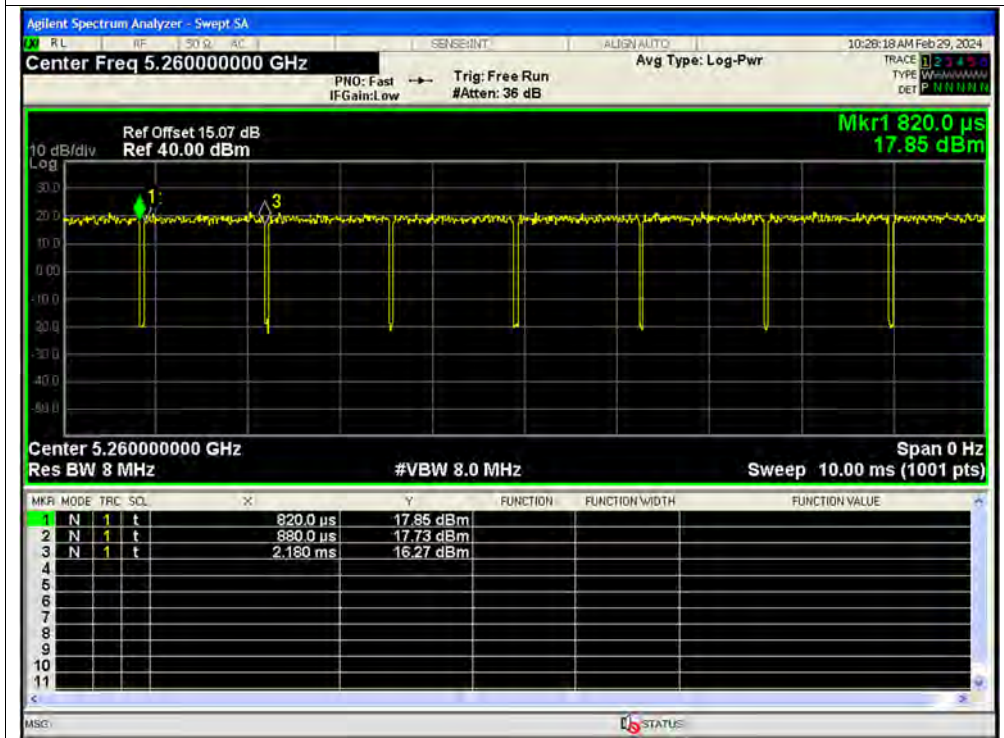




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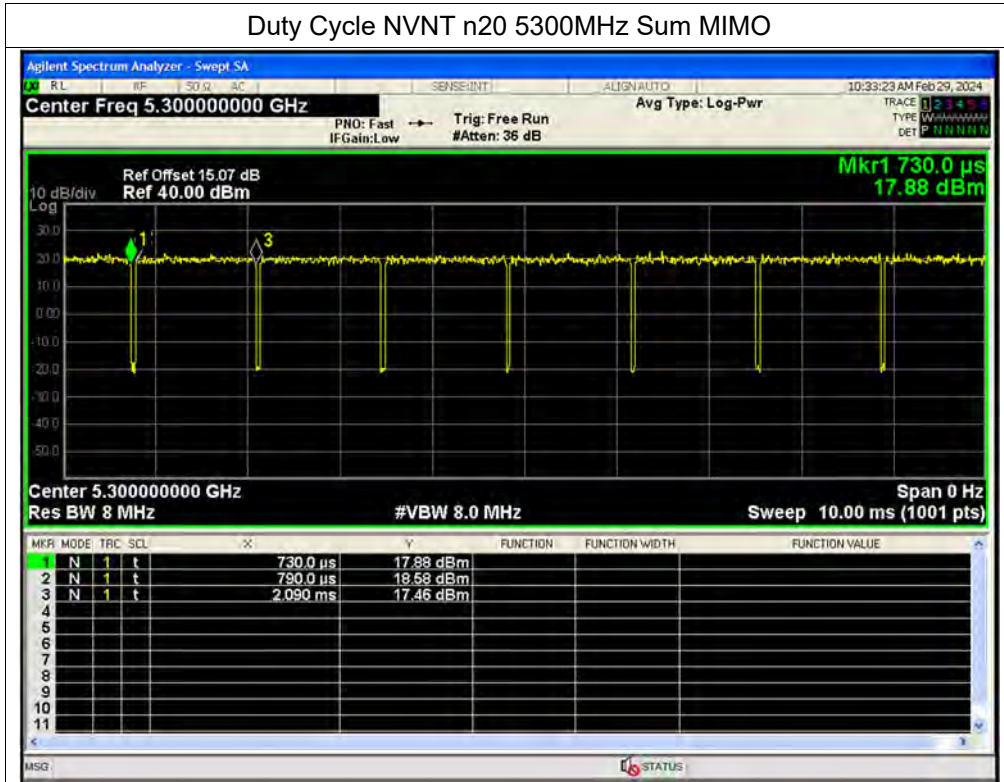


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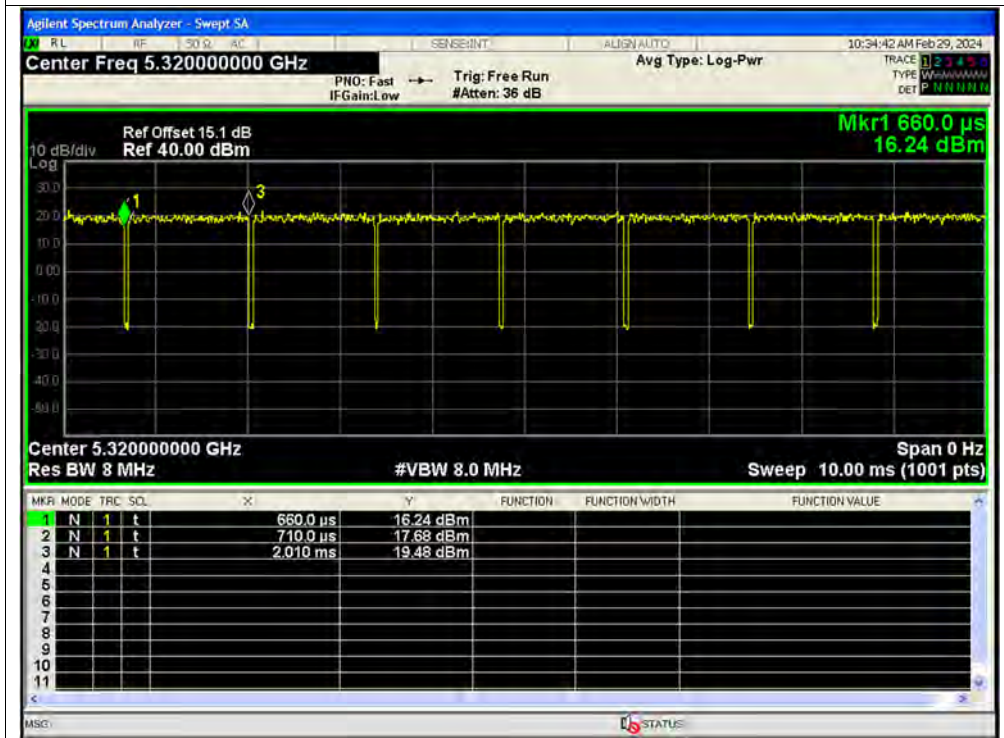




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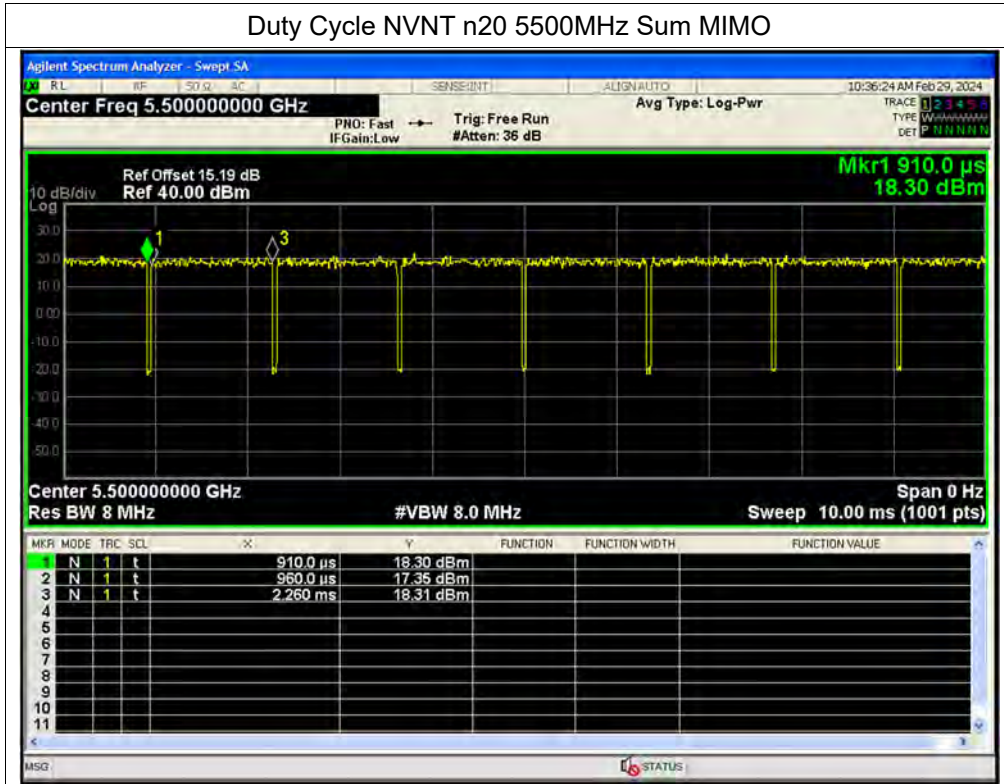


Duty Cycle NVNT n20 5320MHz Sum MIMO

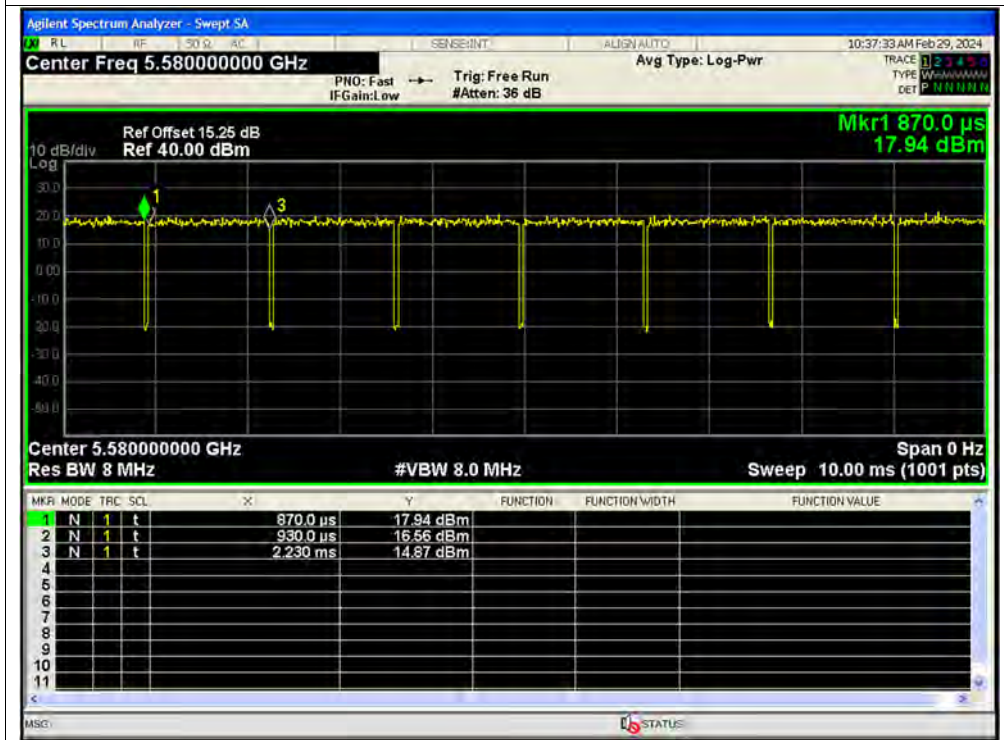




Duty Cycle NVNT n20 5500MHz Sum MIMO

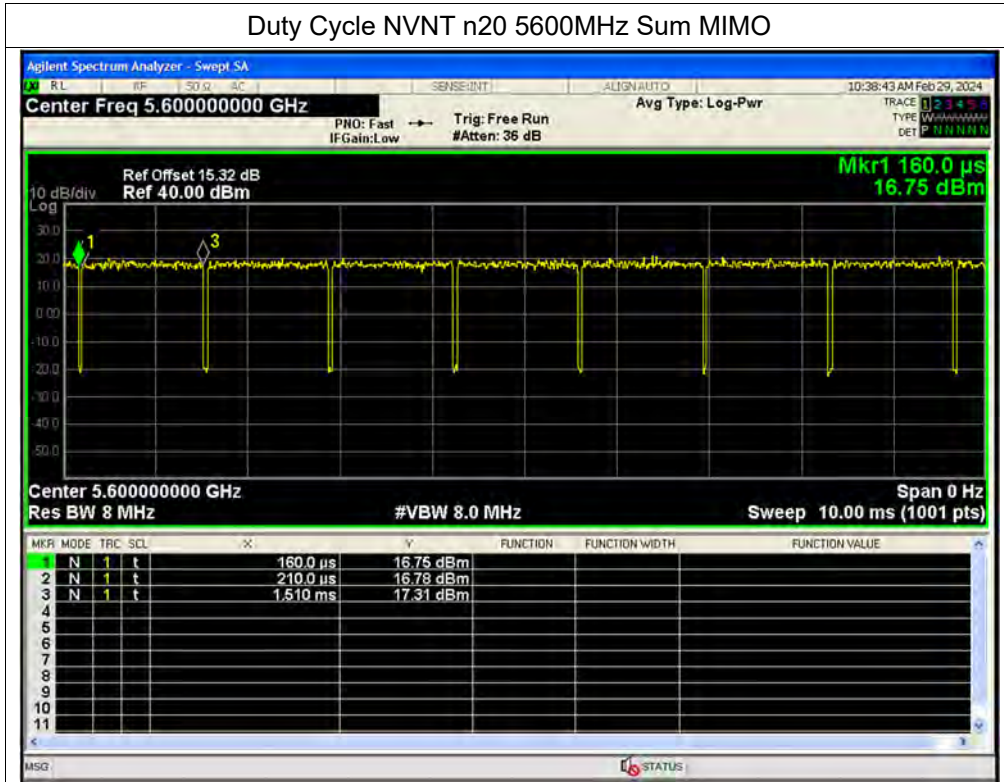


Duty Cycle NVNT n20 5580MHz Sum MIMO

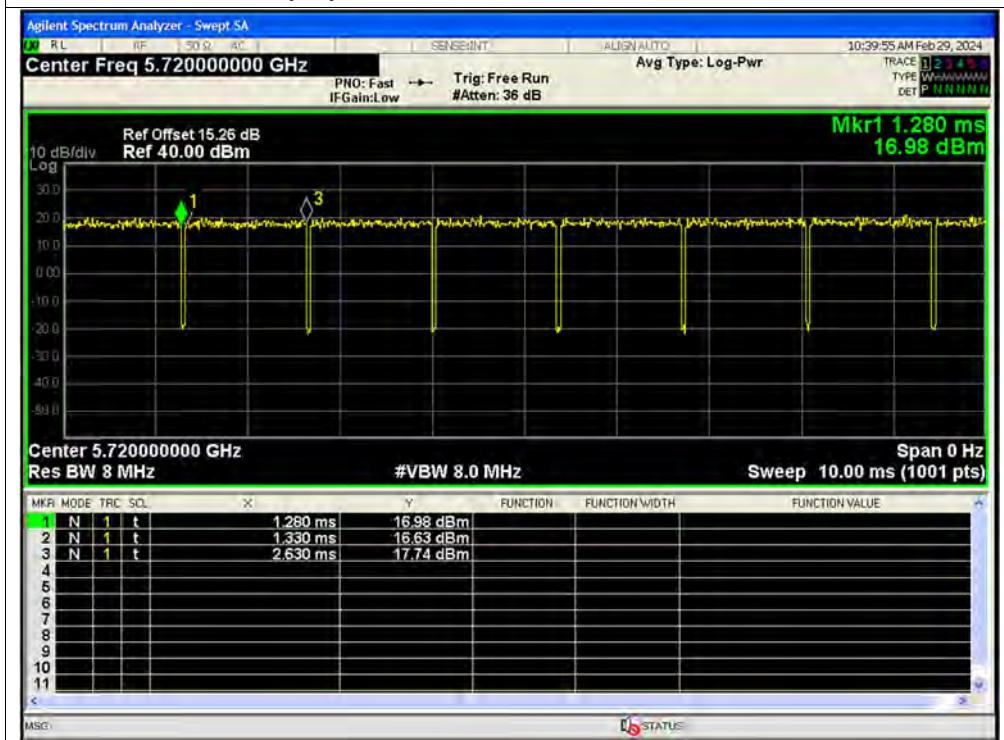




Duty Cycle NVNT n20 5600MHz Sum MIMO

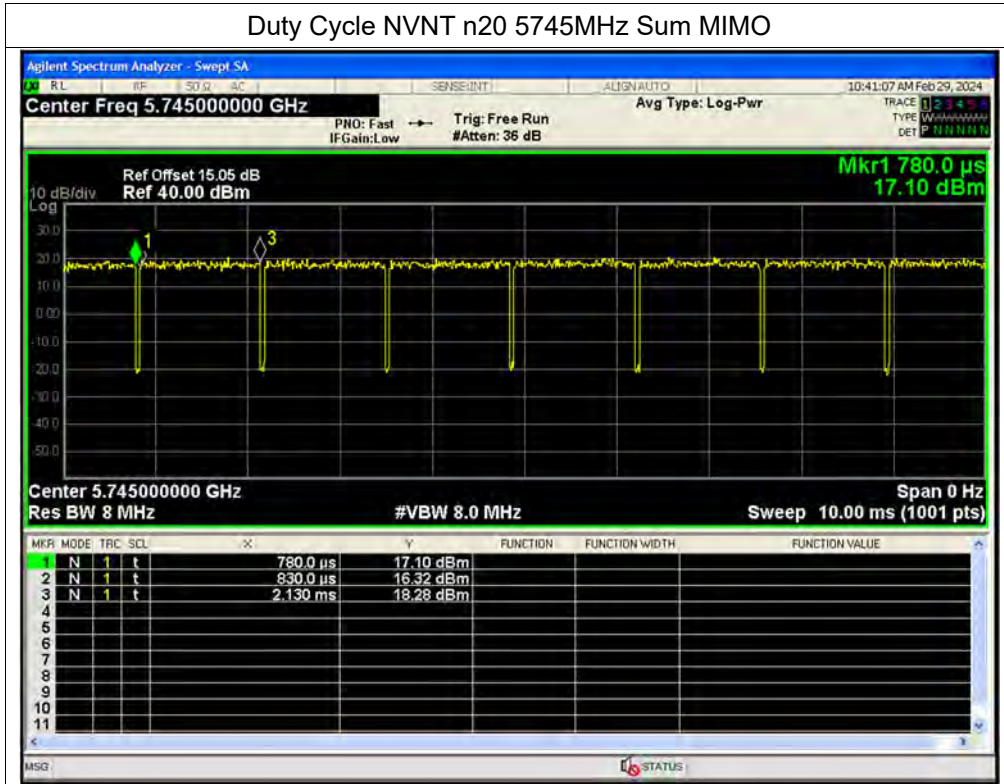


Duty Cycle NVNT n20 5720MHz Sum MIMO

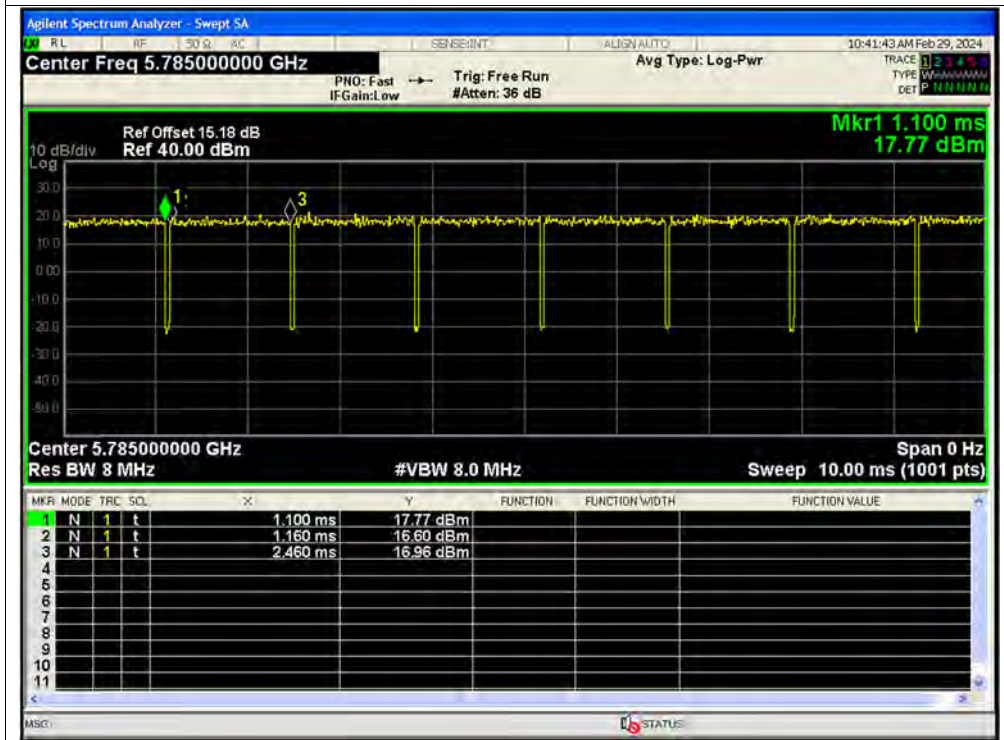




Duty Cycle NVNT n20 5745MHz Sum MIMO

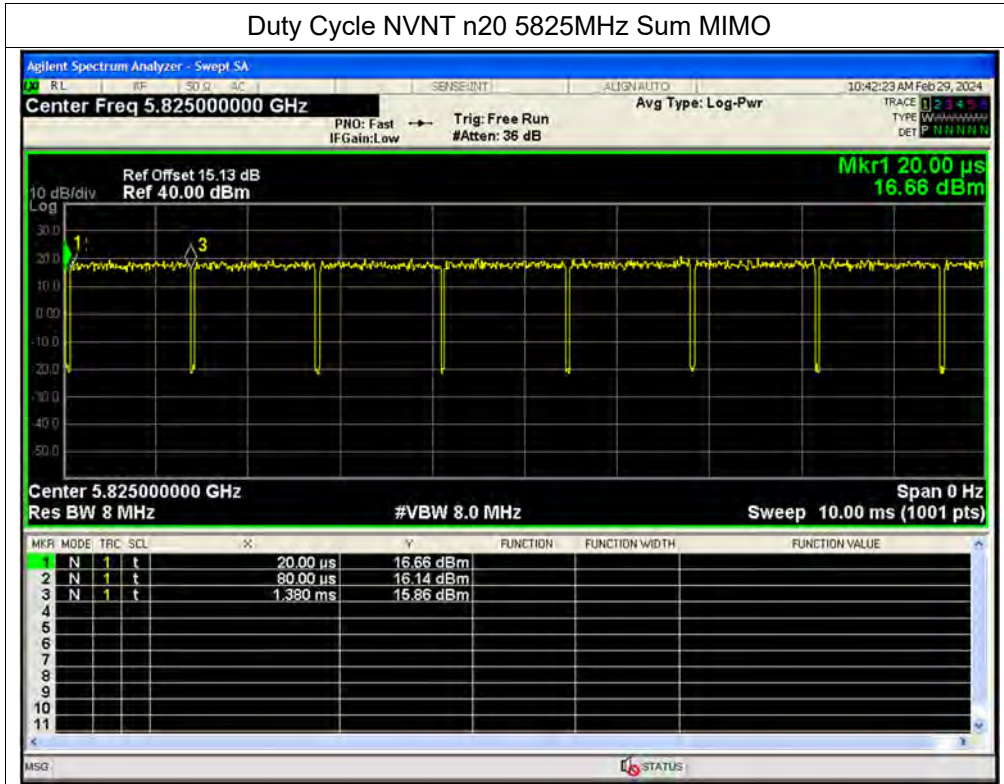


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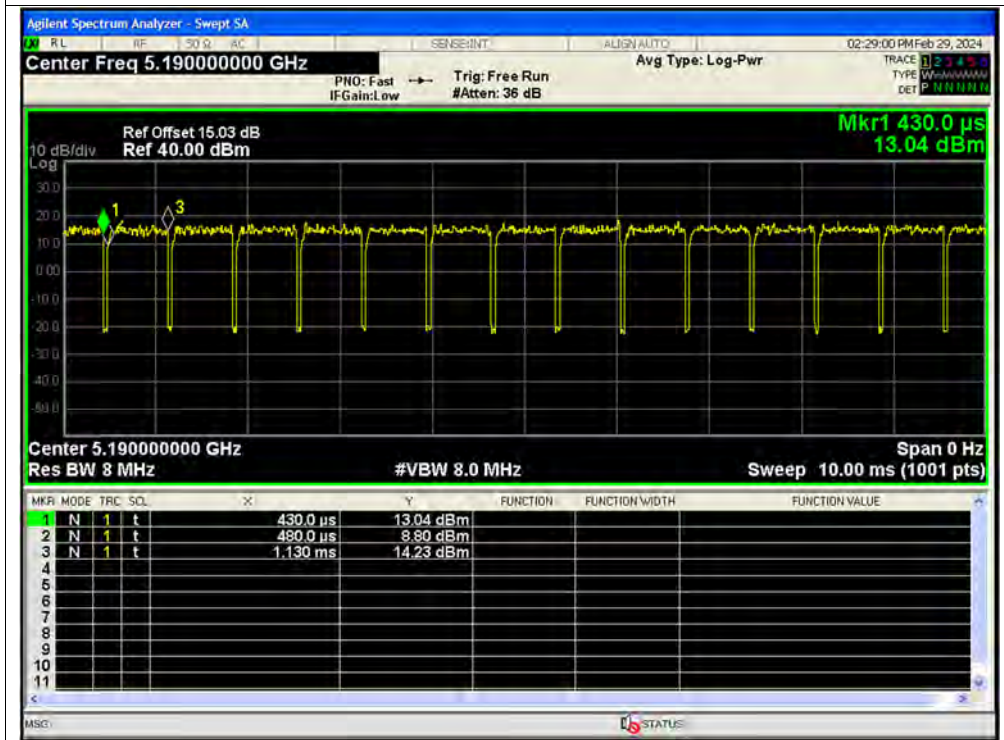




Duty Cycle NVNT n20 5825MHz Sum MIMO

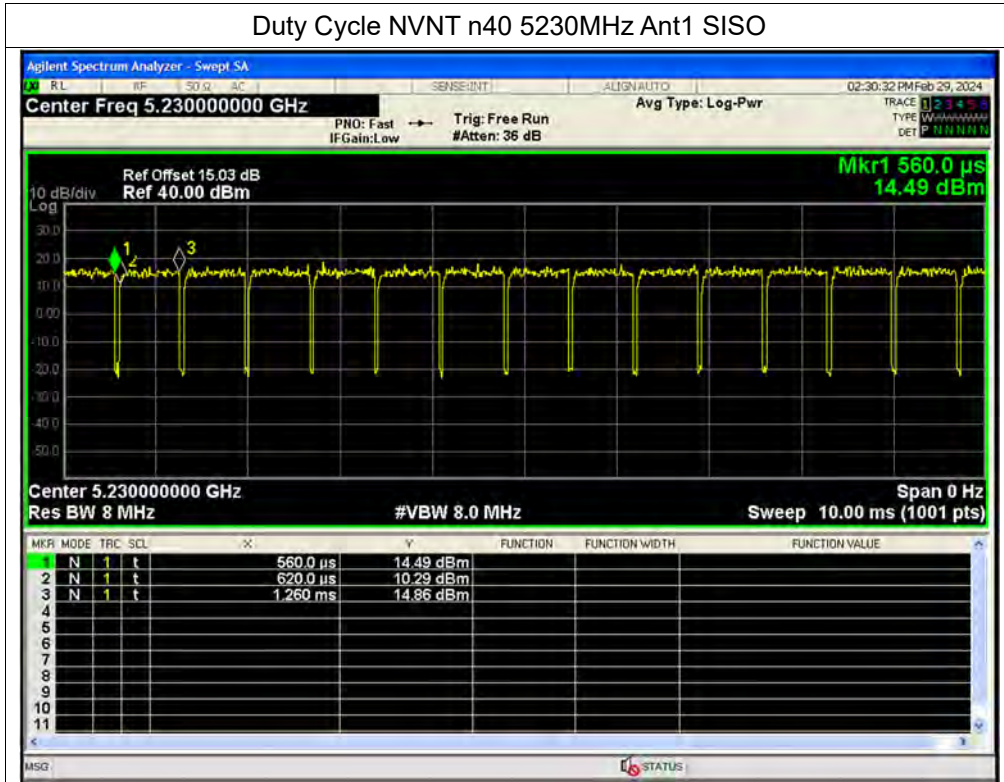


Duty Cycle NVNT n40 5190MHz Ant1 SISO

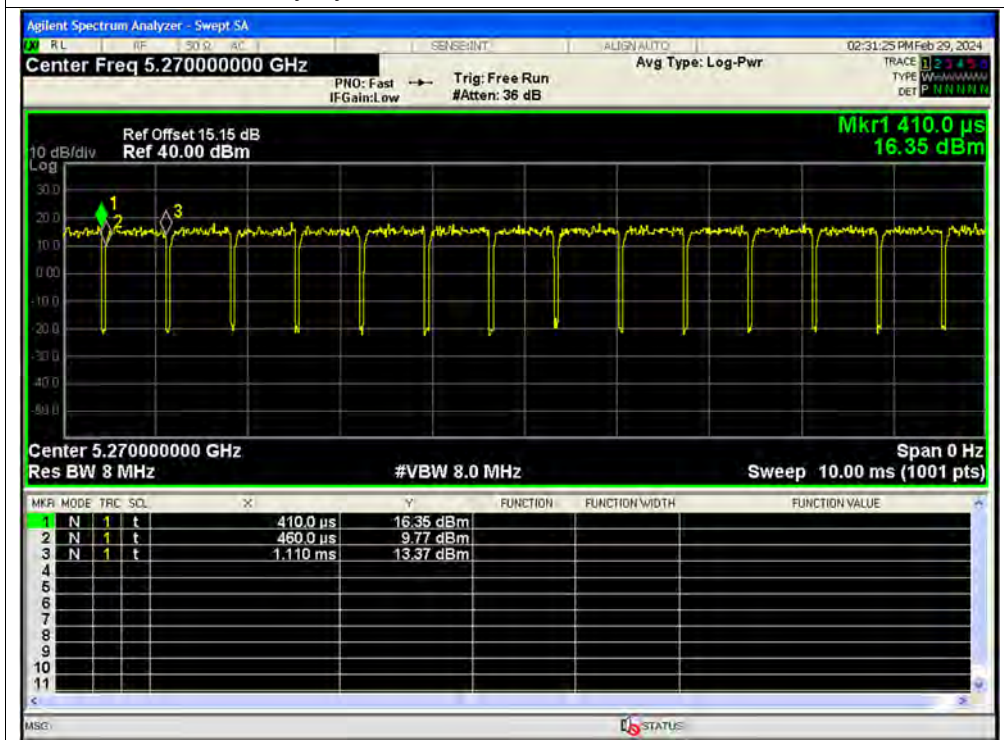




Duty Cycle NVNT n40 5230MHz Ant1 SISO

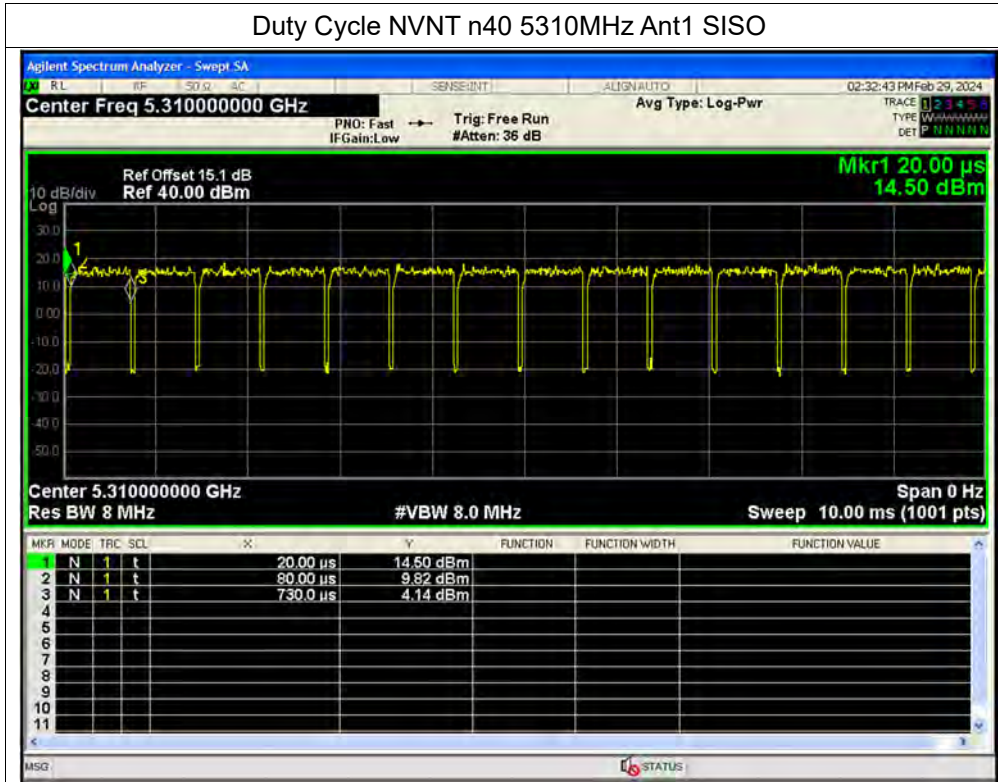


Duty Cycle NVNT n40 5270MHz Ant1 SISO

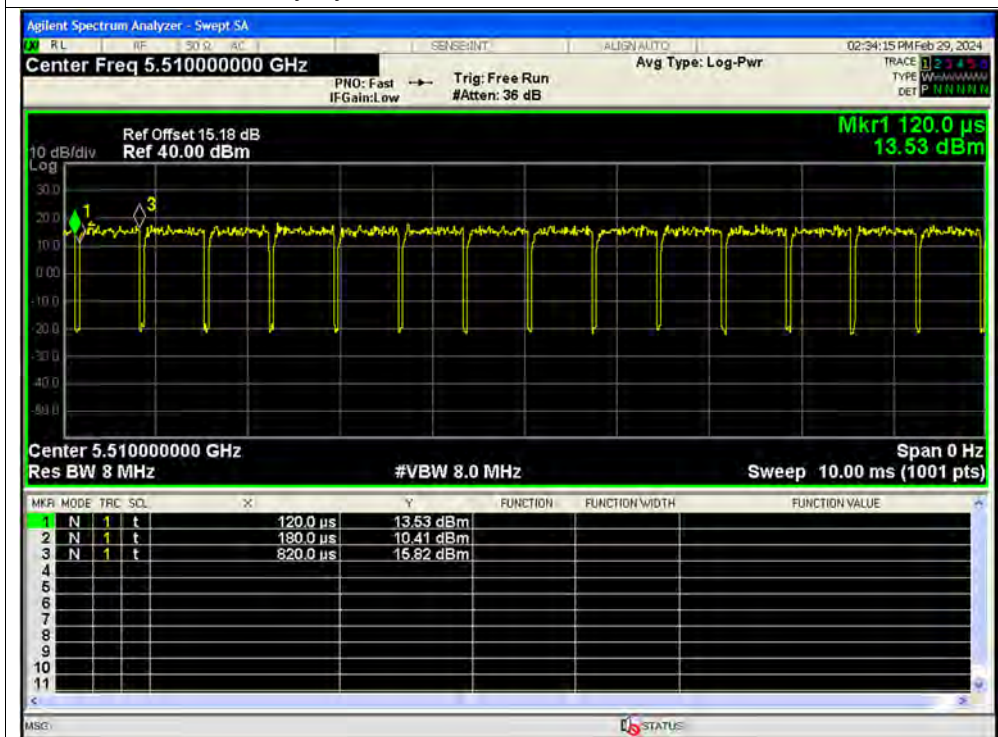




Duty Cycle NVNT n40 5310MHz Ant1 SISO

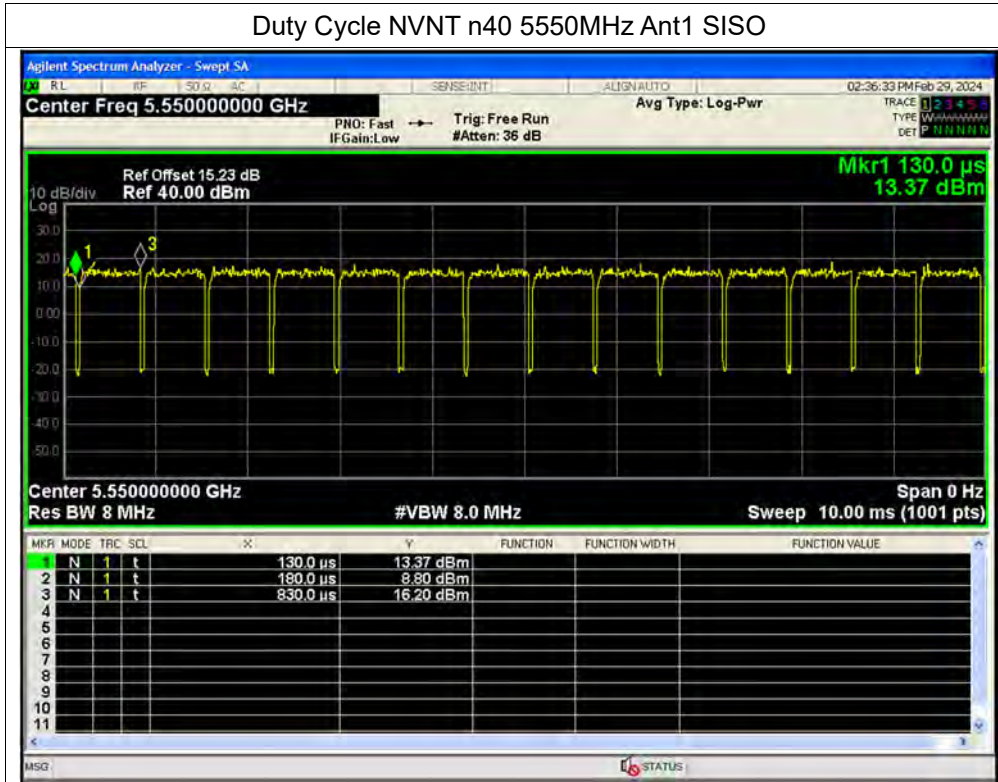


Duty Cycle NVNT n40 5510MHz Ant1 SISO

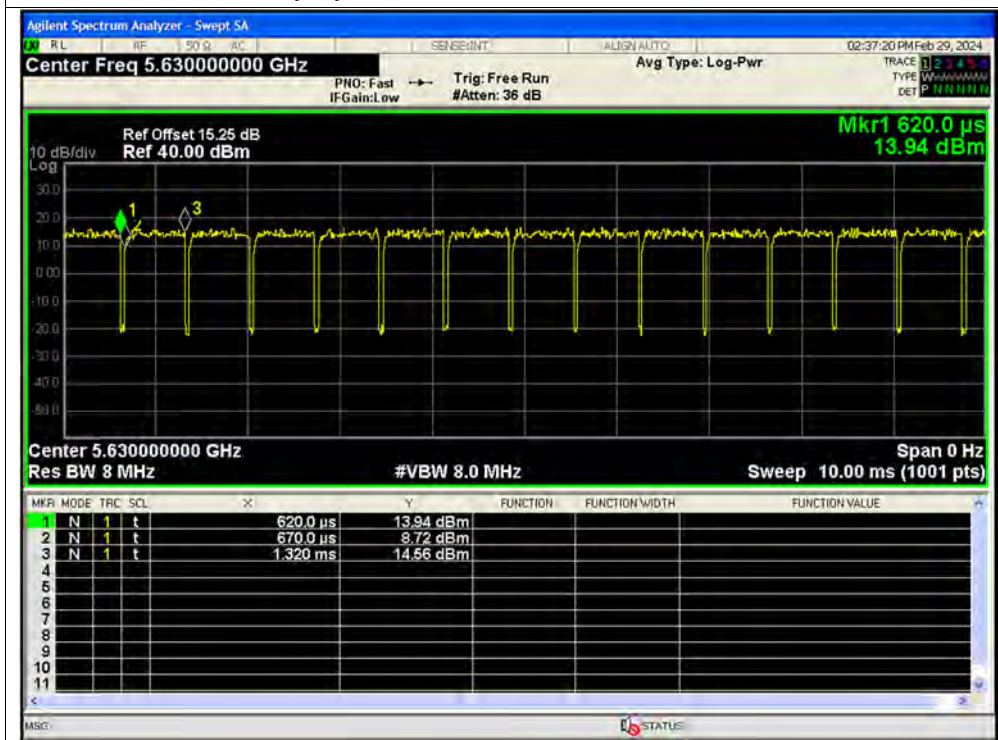




Duty Cycle NVNT n40 5550MHz Ant1 SISO

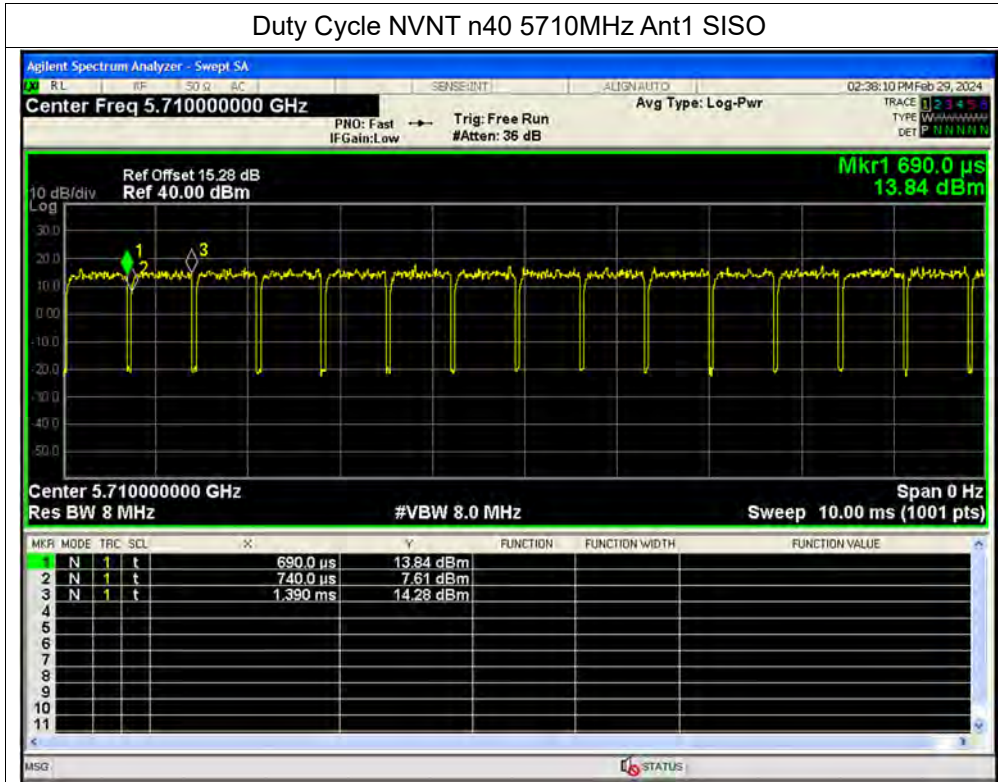


Duty Cycle NVNT n40 5630MHz Ant1 SISO

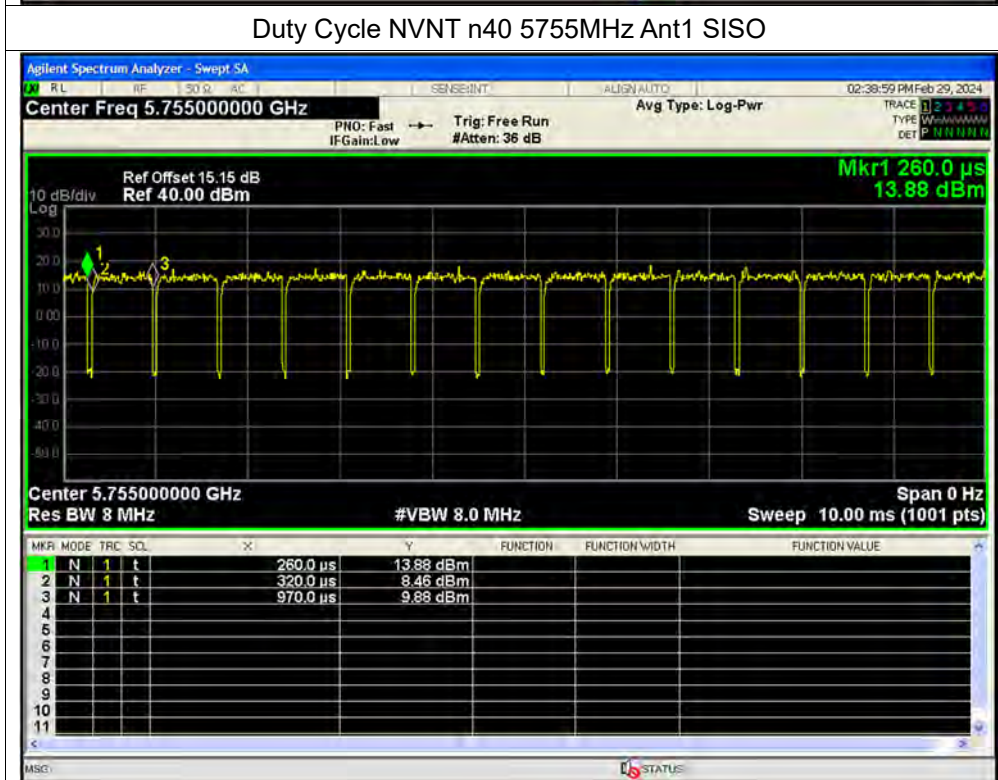




Duty Cycle NVNT n40 5710MHz Ant1 SISO

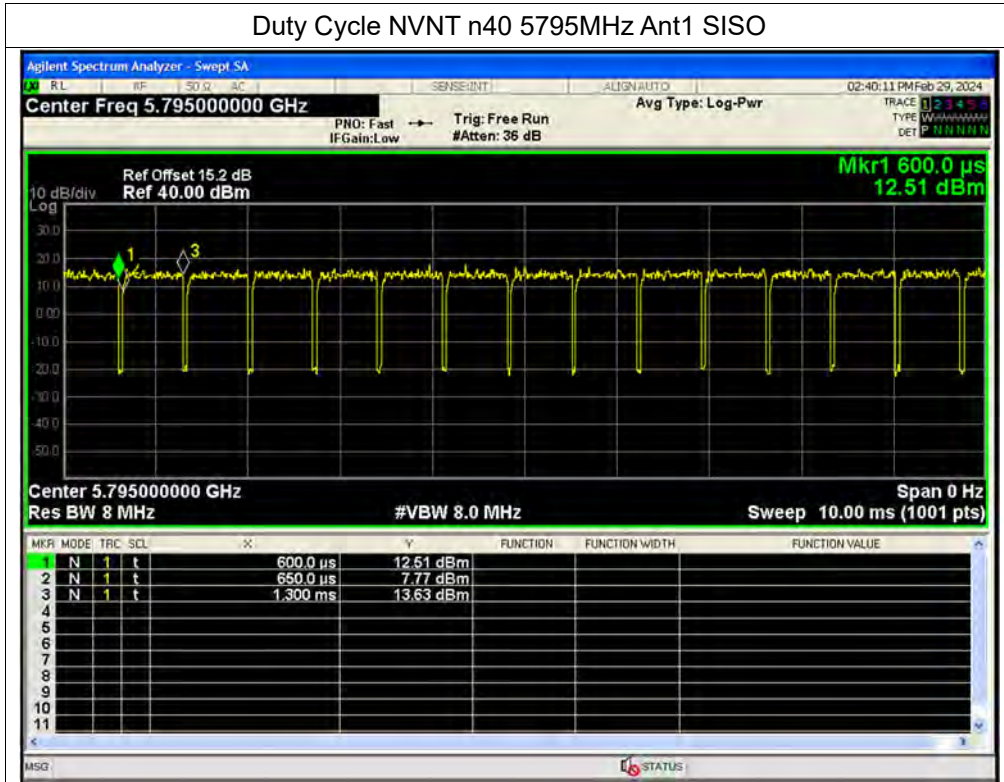


Duty Cycle NVNT n40 5755MHz Ant1 SISO

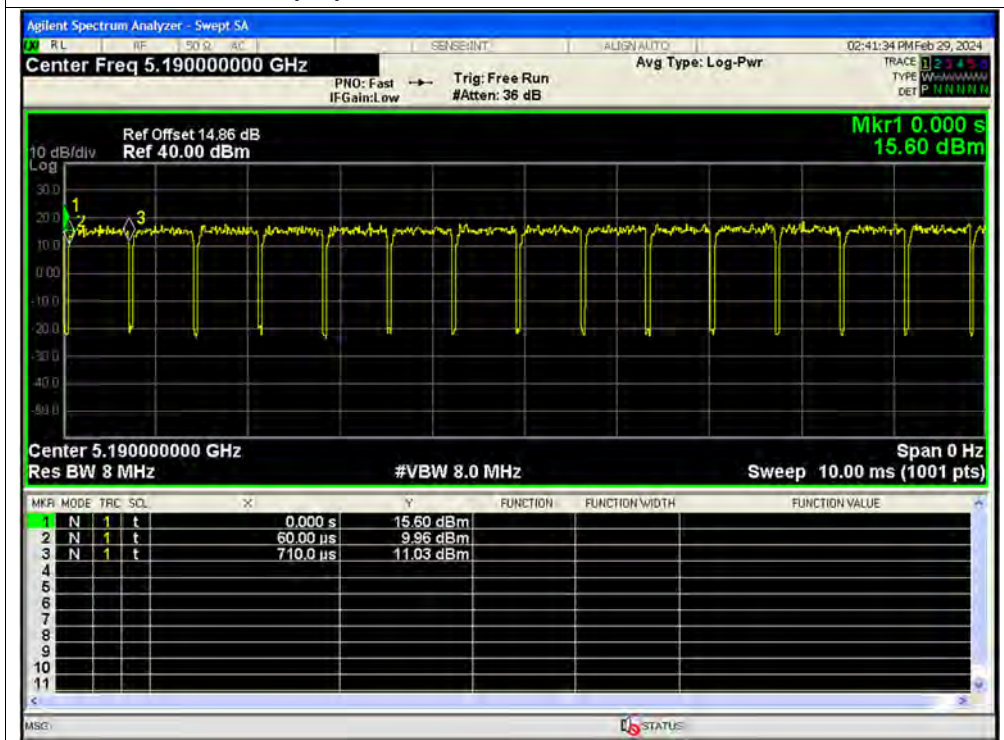




Duty Cycle NVNT n40 5795MHz Ant1 SISO

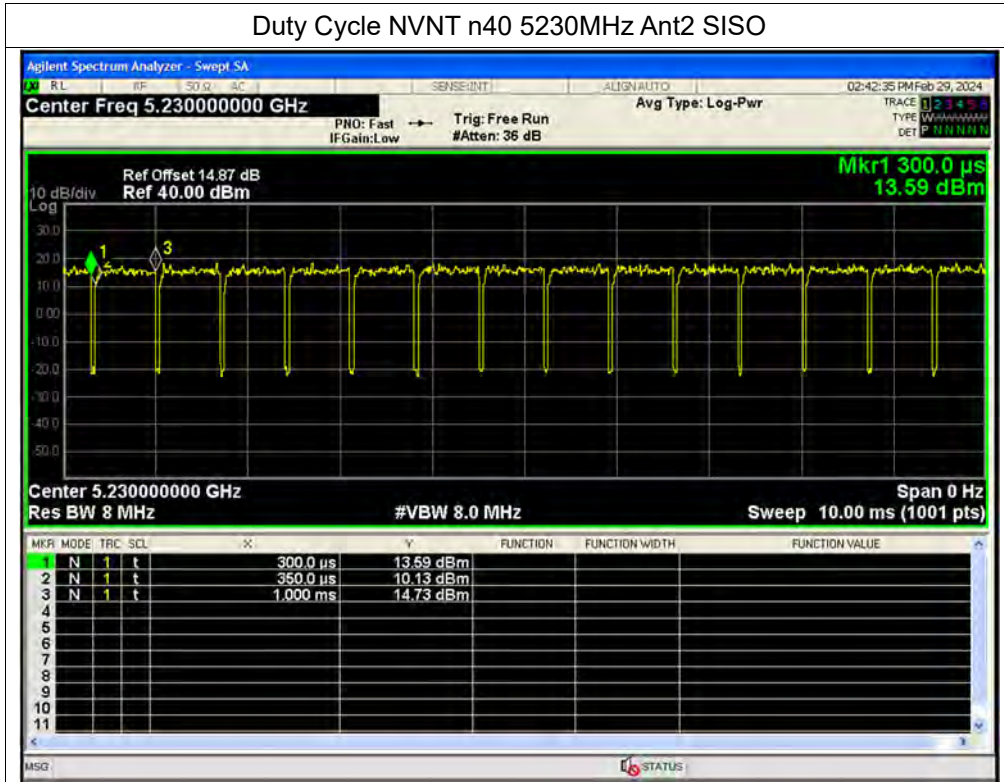


Duty Cycle NVNT n40 5190MHz Ant2 SISO

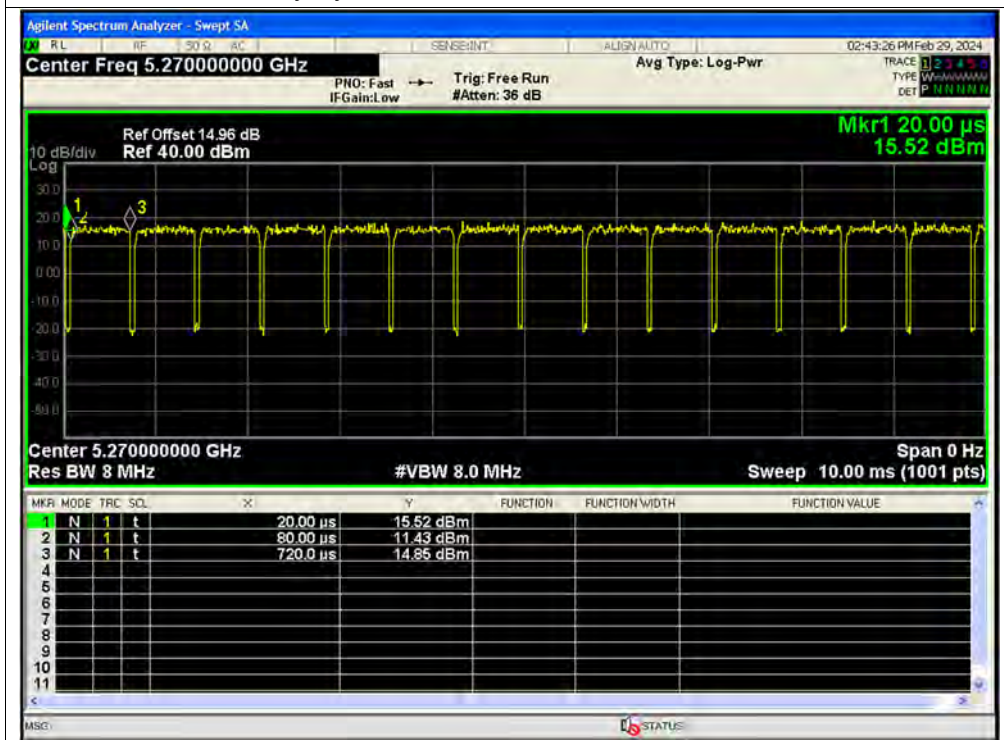




Duty Cycle NVNT n40 5230MHz Ant2 SISO

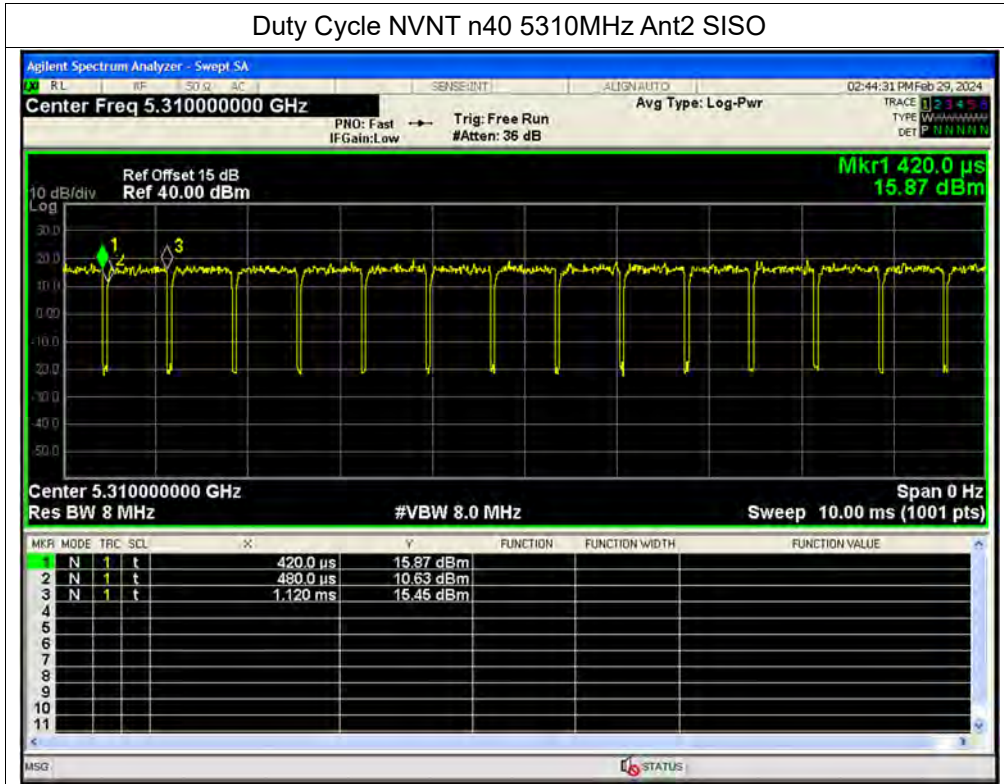


Duty Cycle NVNT n40 5270MHz Ant2 SISO

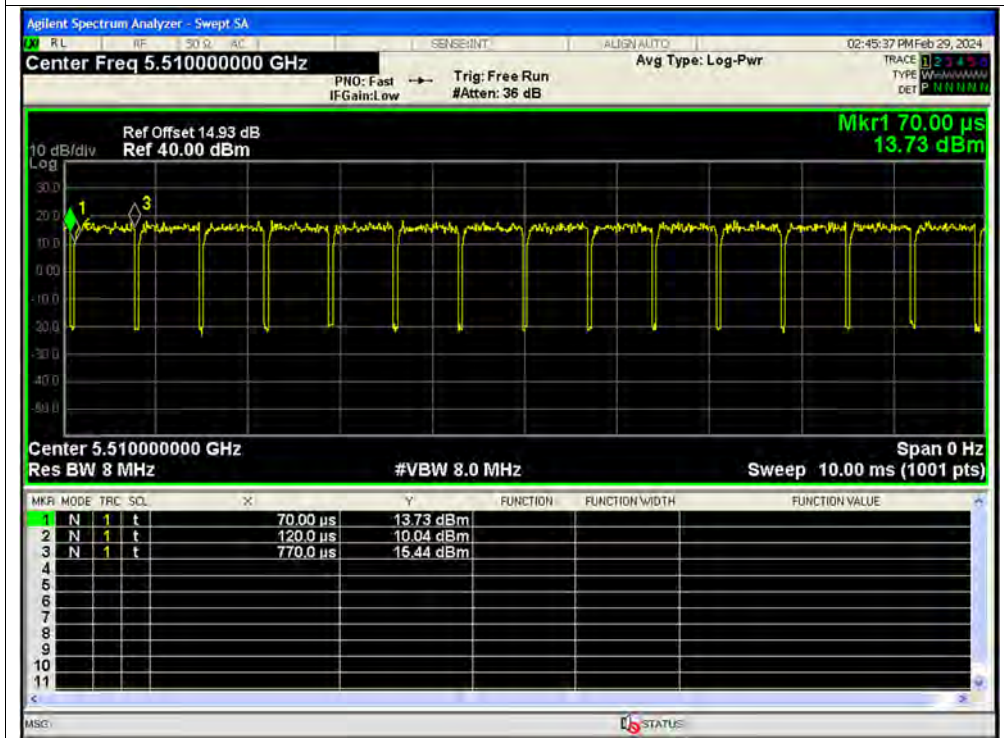




Duty Cycle NVNT n40 5310MHz Ant2 SISO

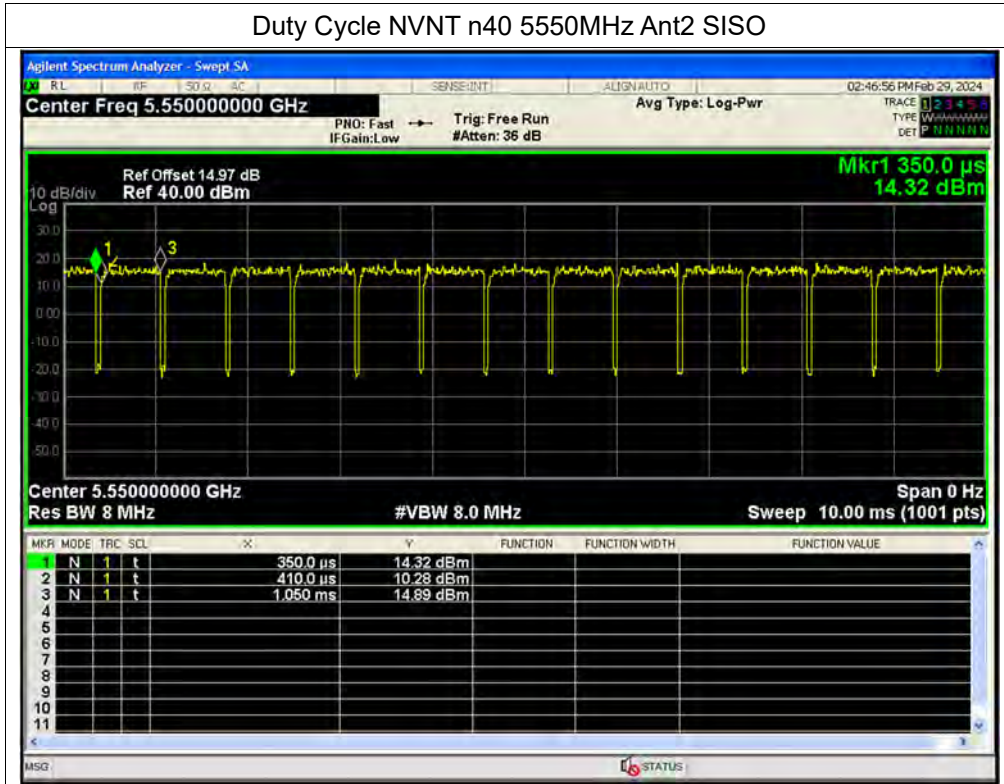


Duty Cycle NVNT n40 5510MHz Ant2 SISO

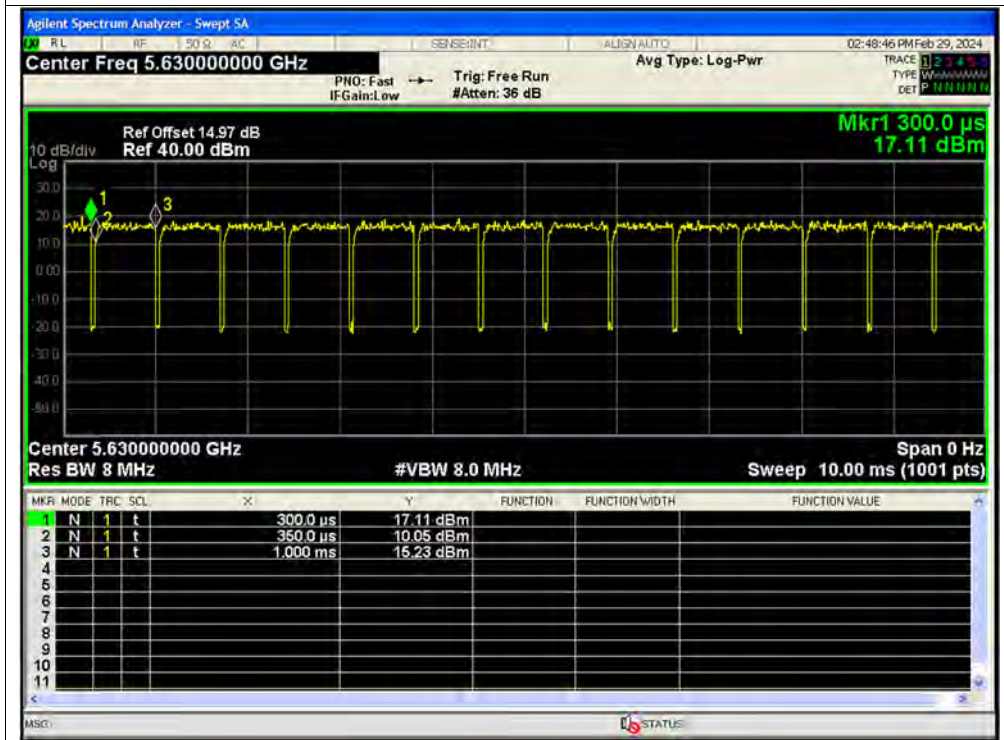




Duty Cycle NVNT n40 5550MHz Ant2 SISO

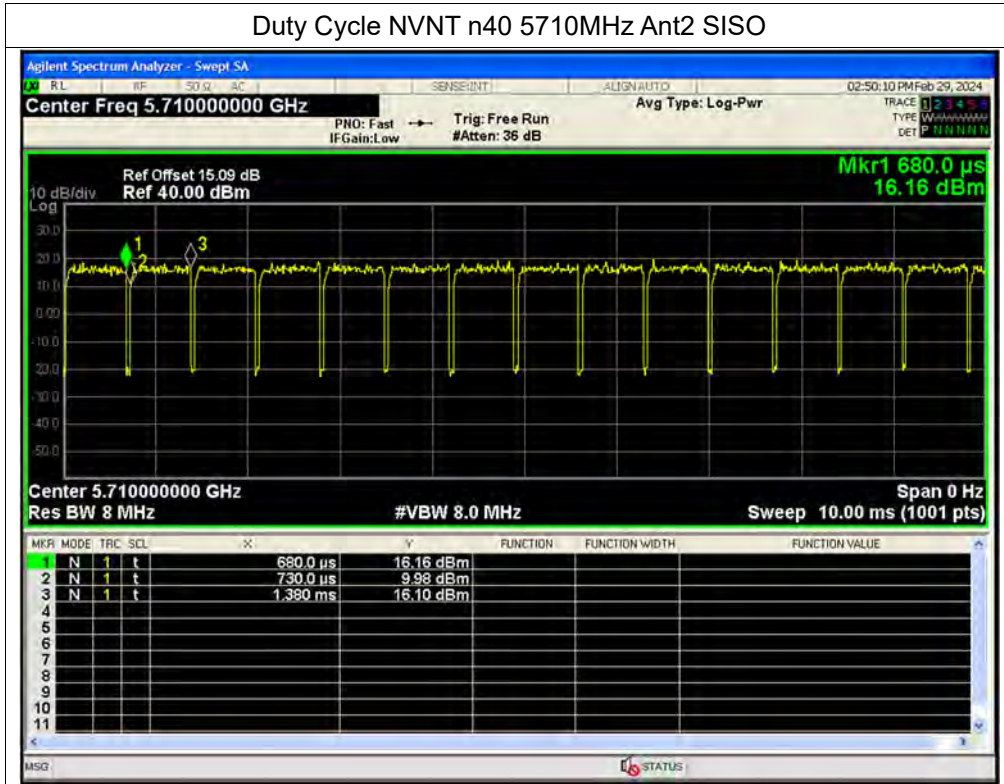


Duty Cycle NVNT n40 5630MHz Ant2 SISO

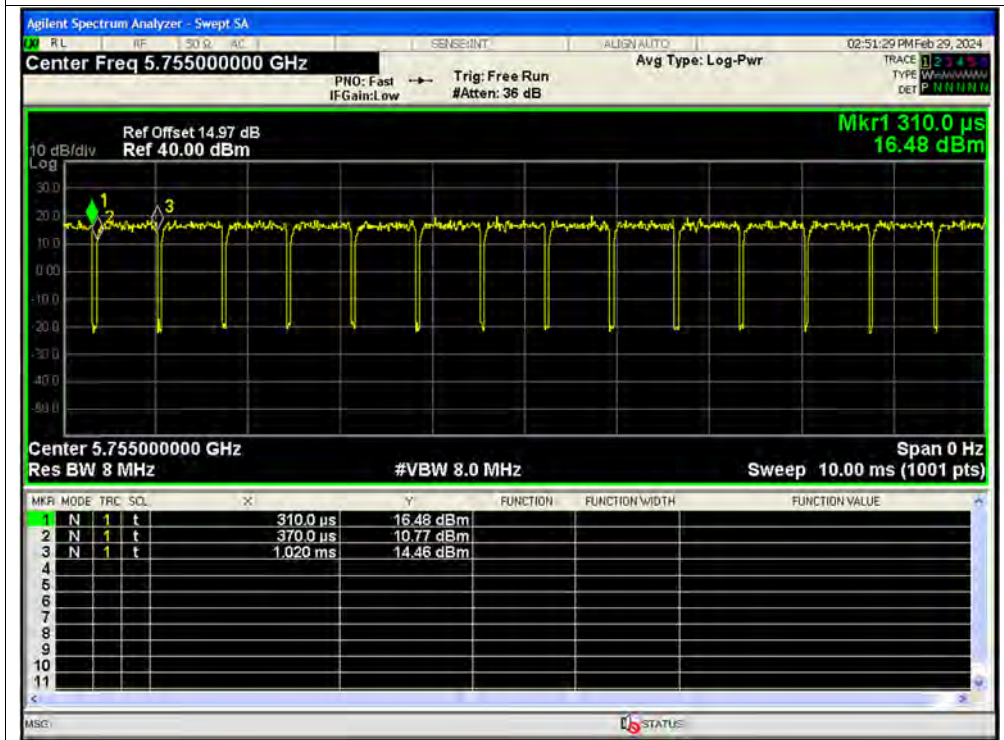




Duty Cycle NVNT n40 5710MHz Ant2 SISO

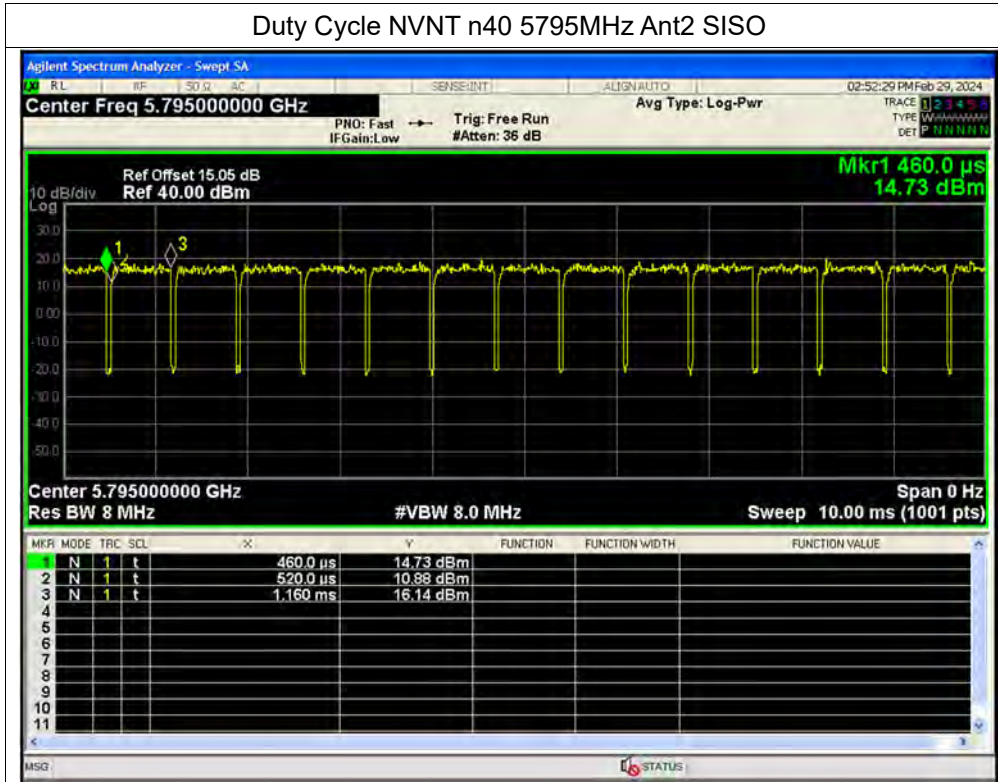


Duty Cycle NVNT n40 5755MHz Ant2 SISO

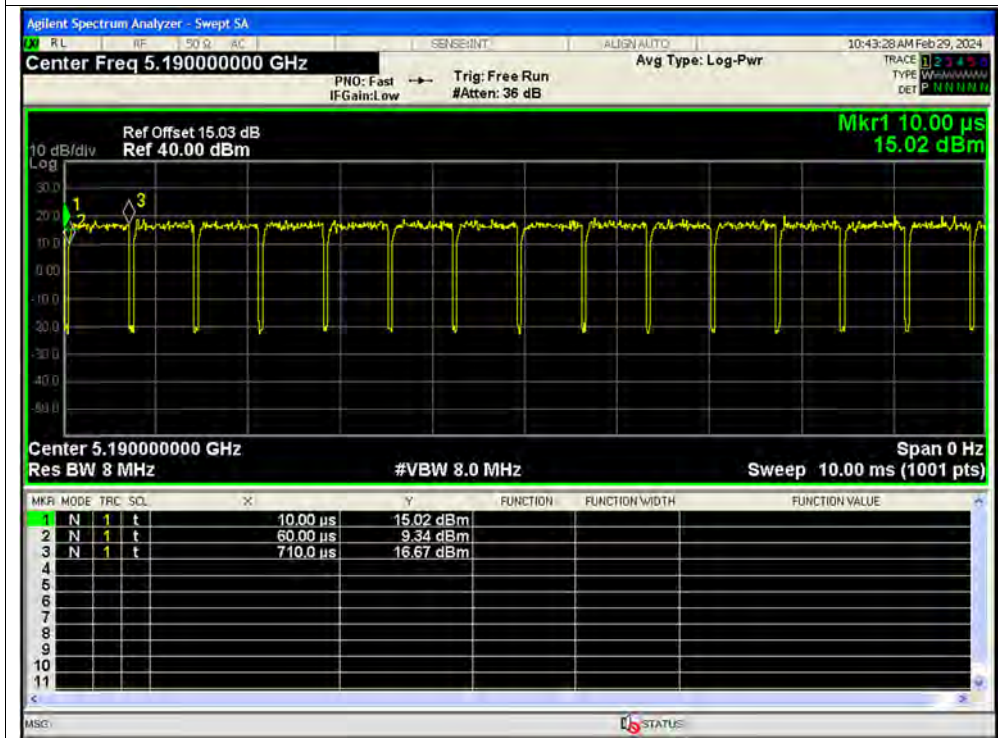




Duty Cycle NVNT n40 5795MHz Ant2 SISO

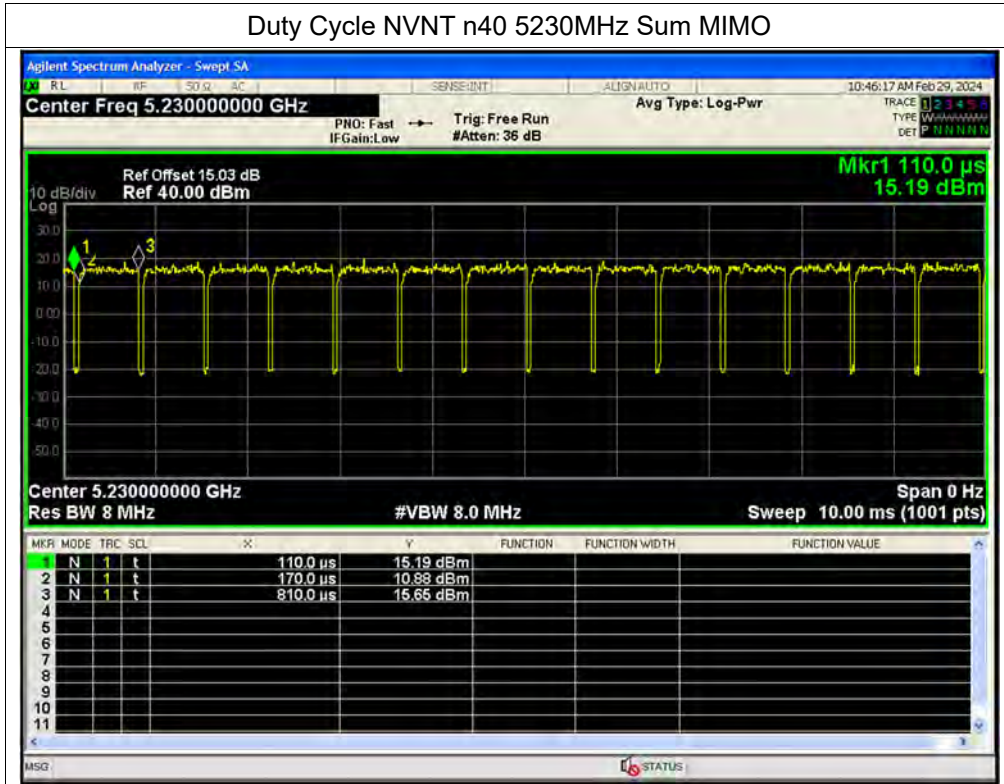


Duty Cycle NVNT n40 5190MHz Sum MIMO

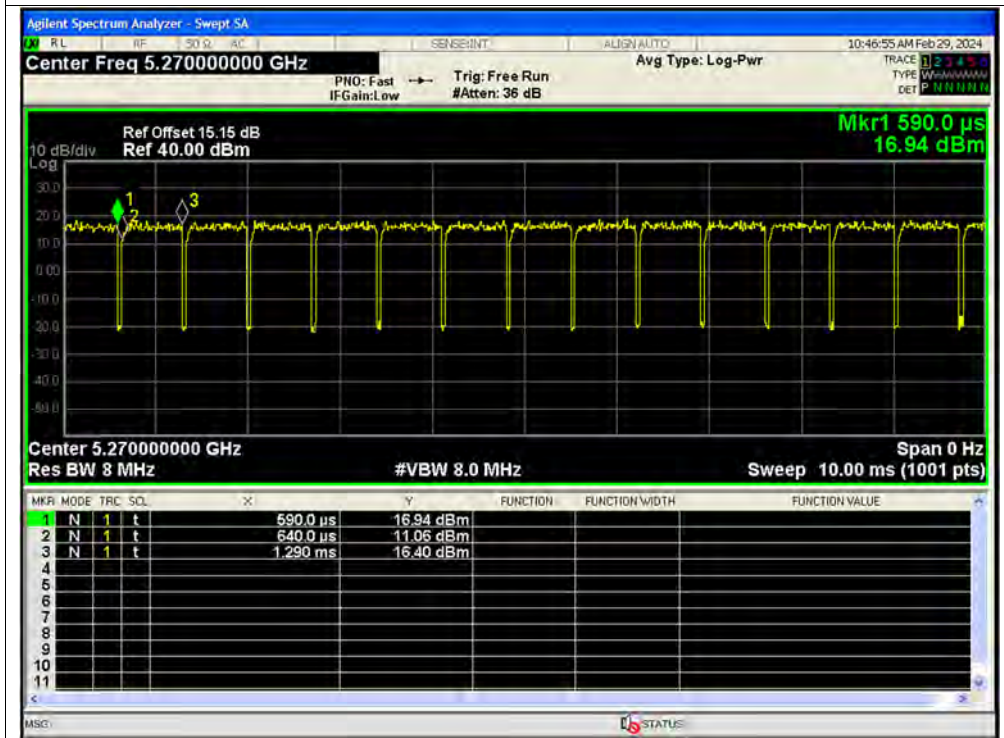




Duty Cycle NVNT n40 5230MHz Sum MIMO

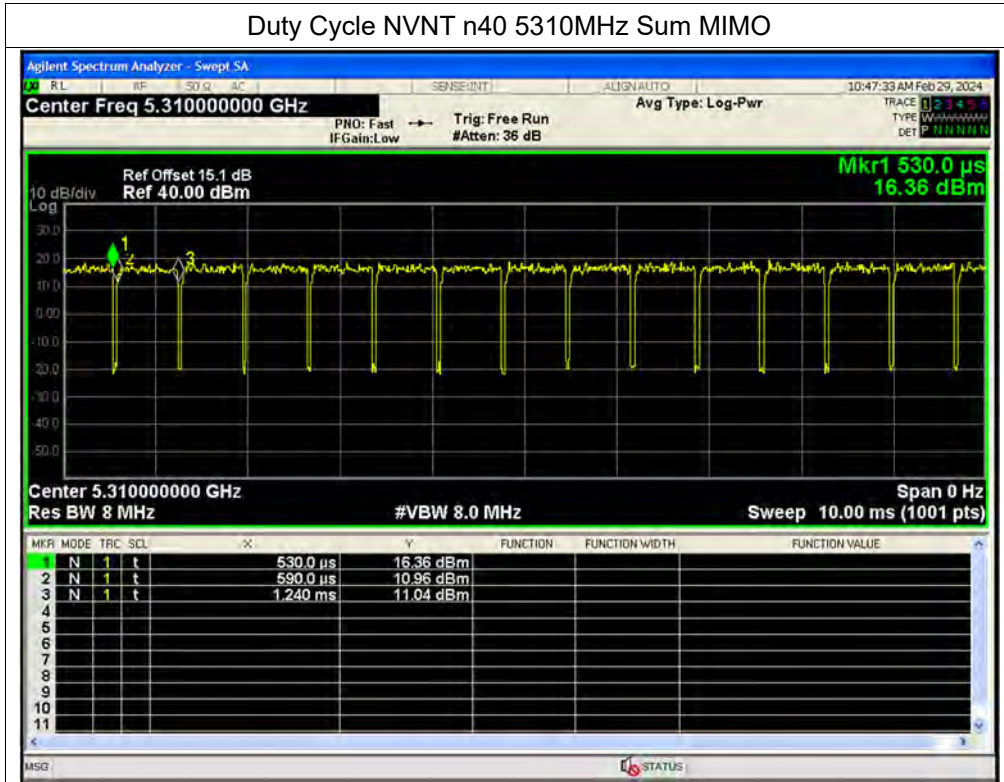


Duty Cycle NVNT n40 5270MHz Sum MIMO

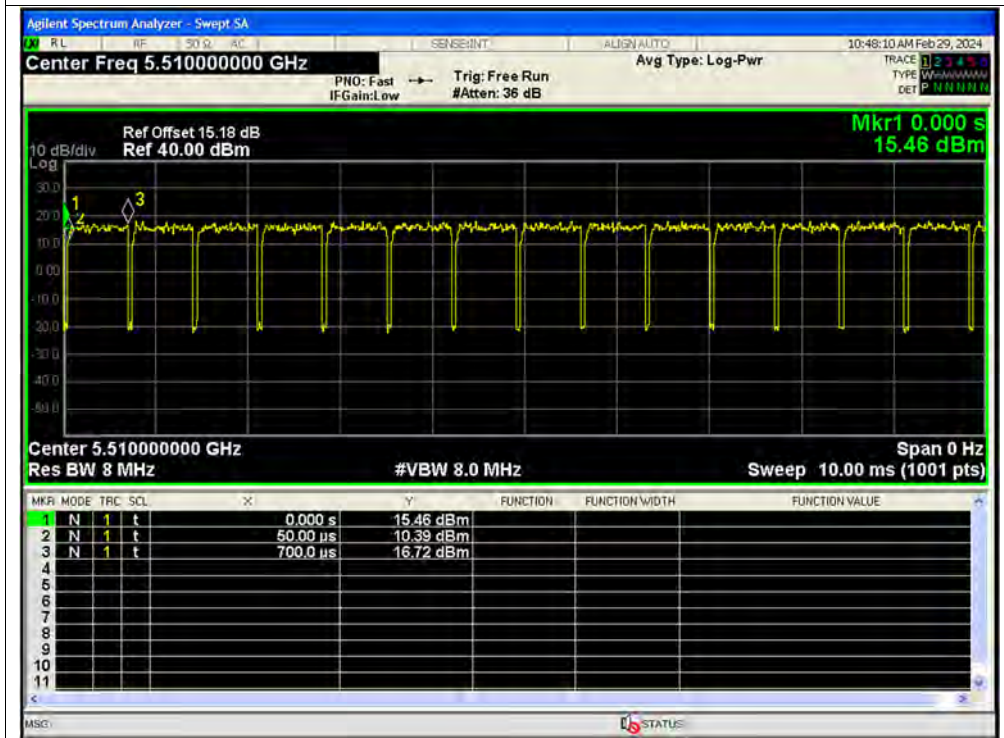




Duty Cycle NVNT n40 5310MHz Sum MIMO

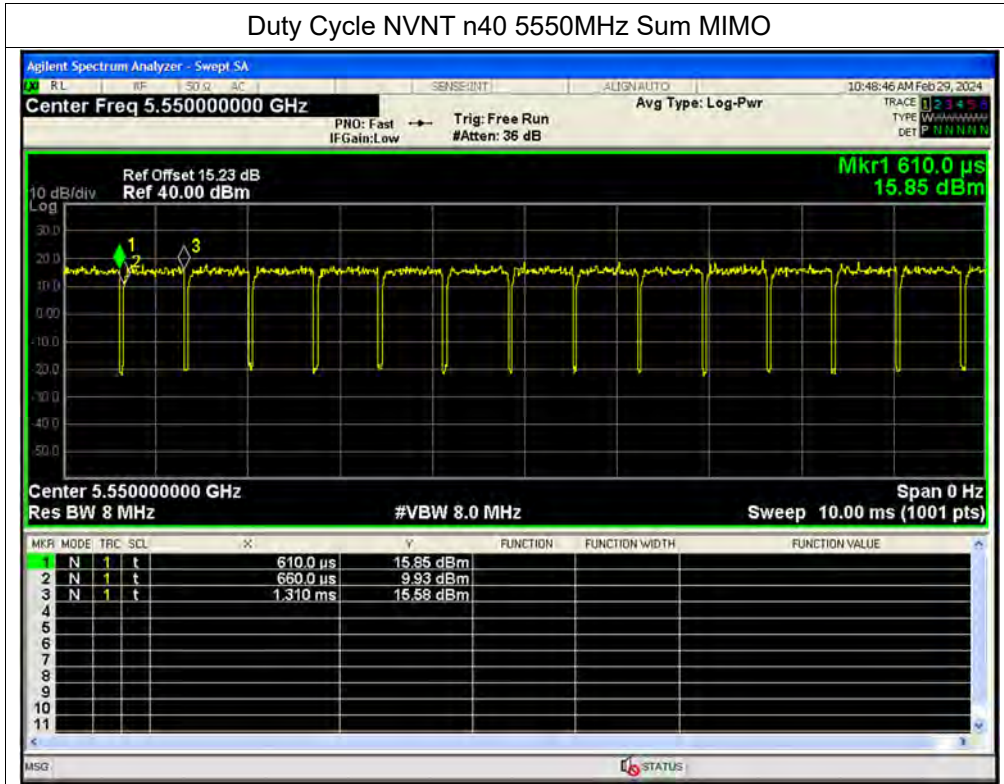


Duty Cycle NVNT n40 5510MHz Sum MIMO

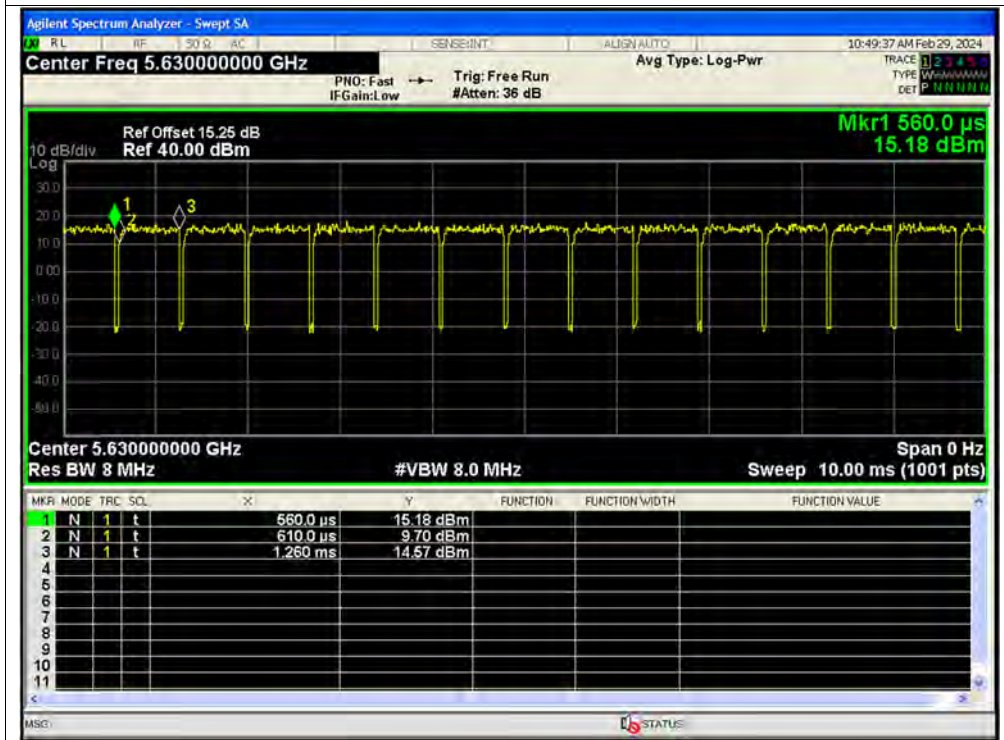




Duty Cycle NVNT n40 5550MHz Sum MIMO

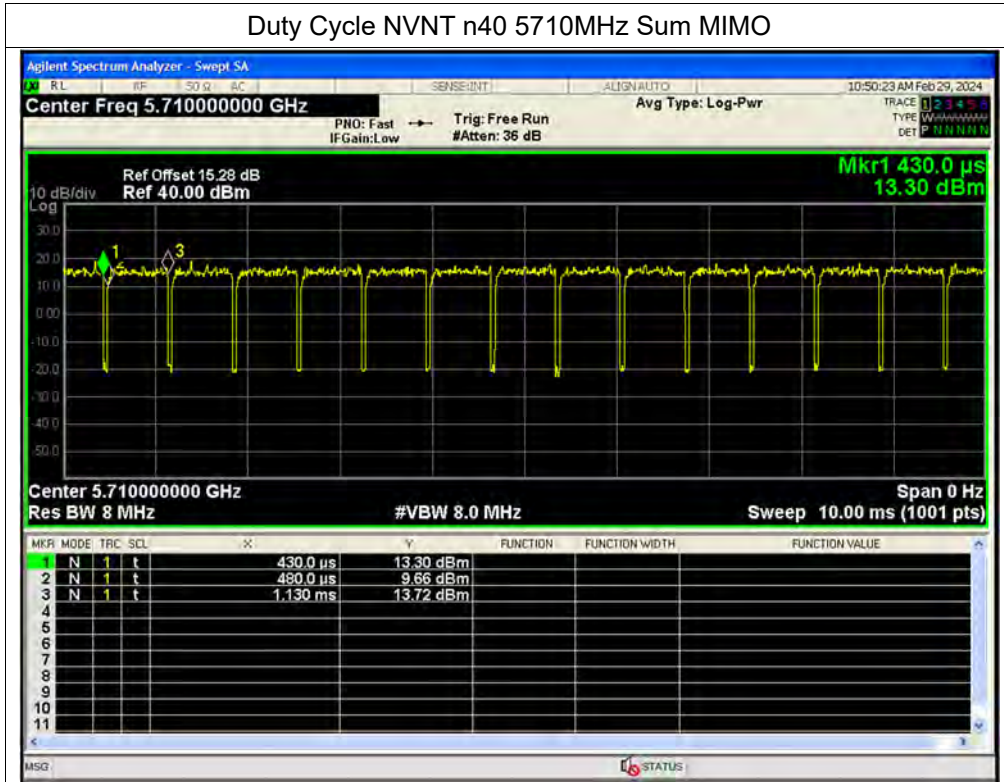


Duty Cycle NVNT n40 5630MHz Sum MIMO

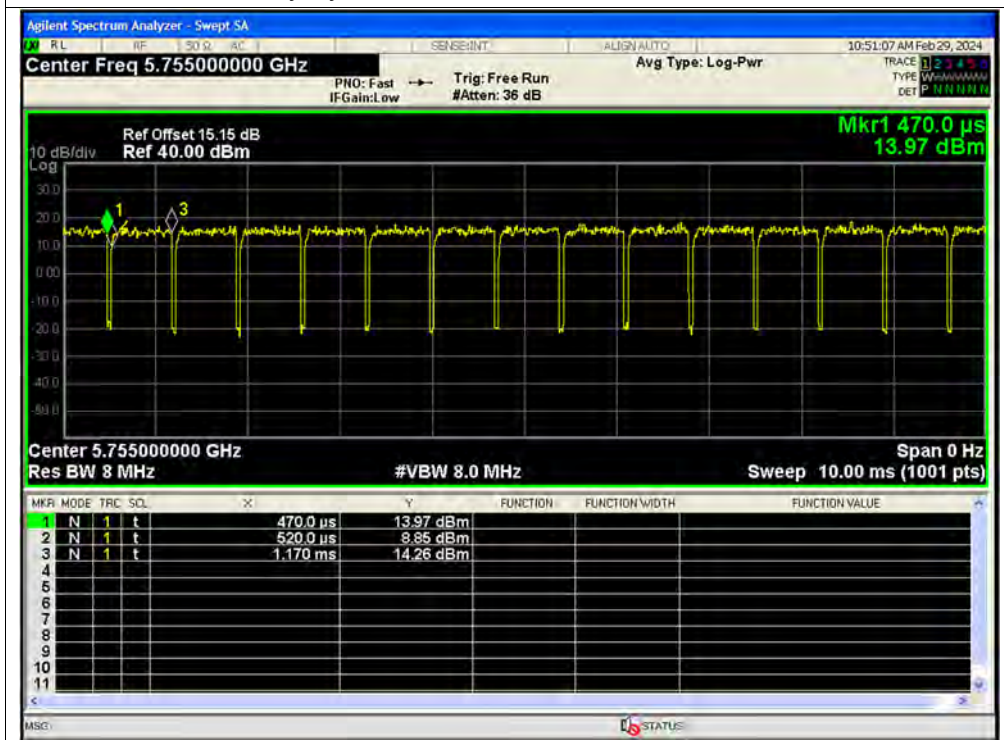




Duty Cycle NVNT n40 5710MHz Sum MIMO

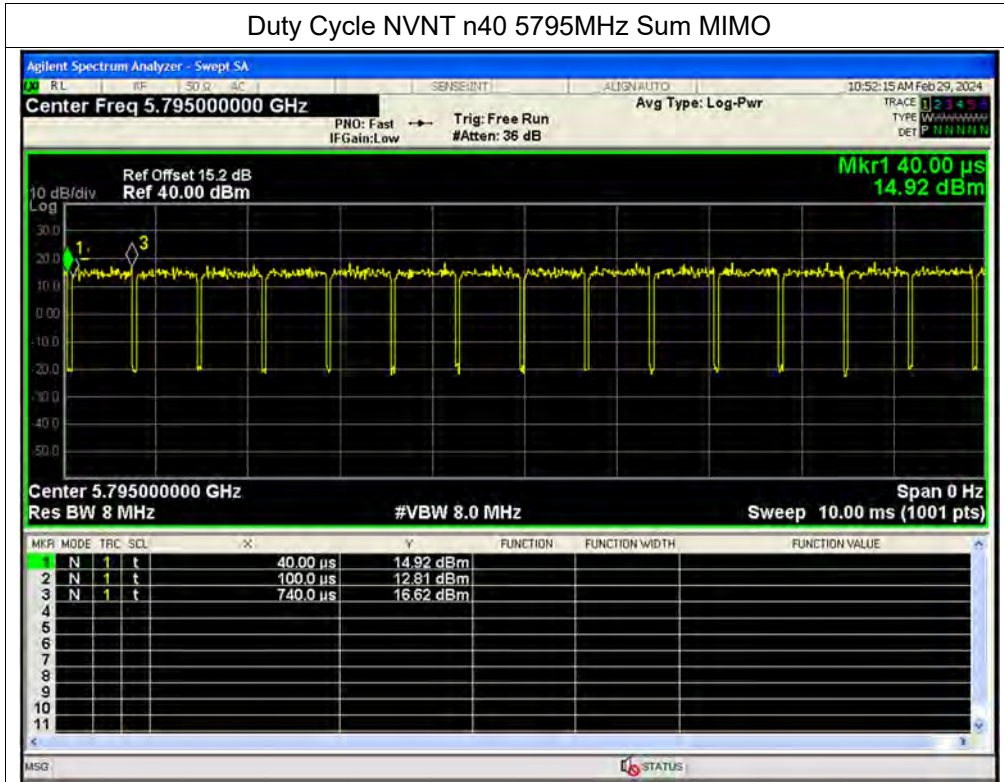


Duty Cycle NVNT n40 5755MHz Sum MIMO

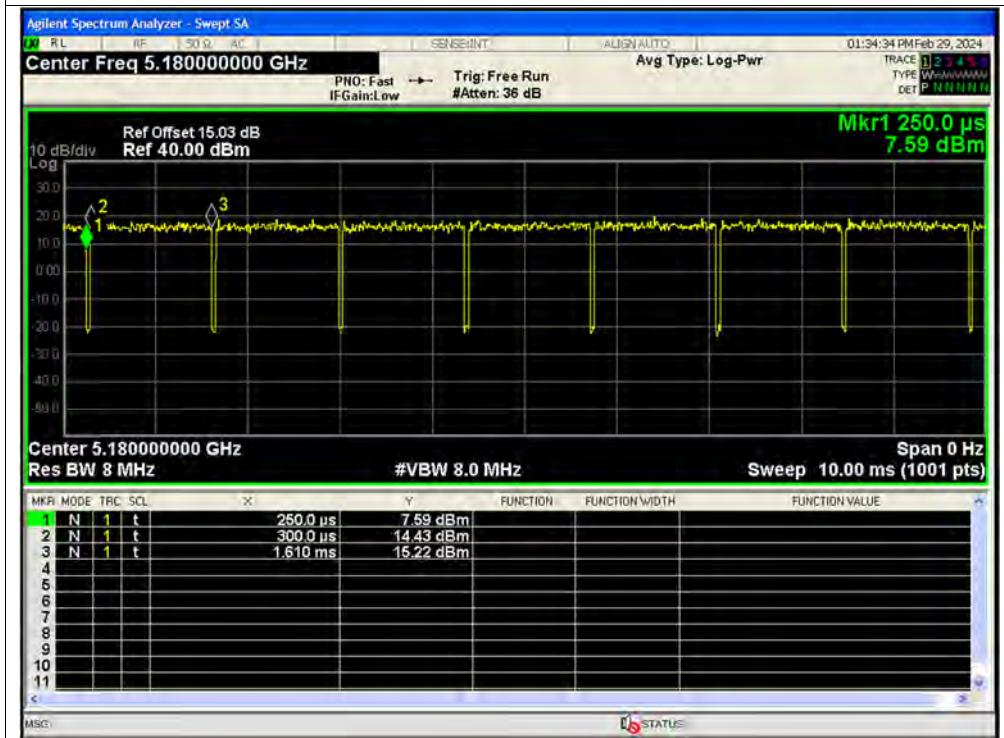




Duty Cycle NVNT n40 5795MHz Sum MIMO

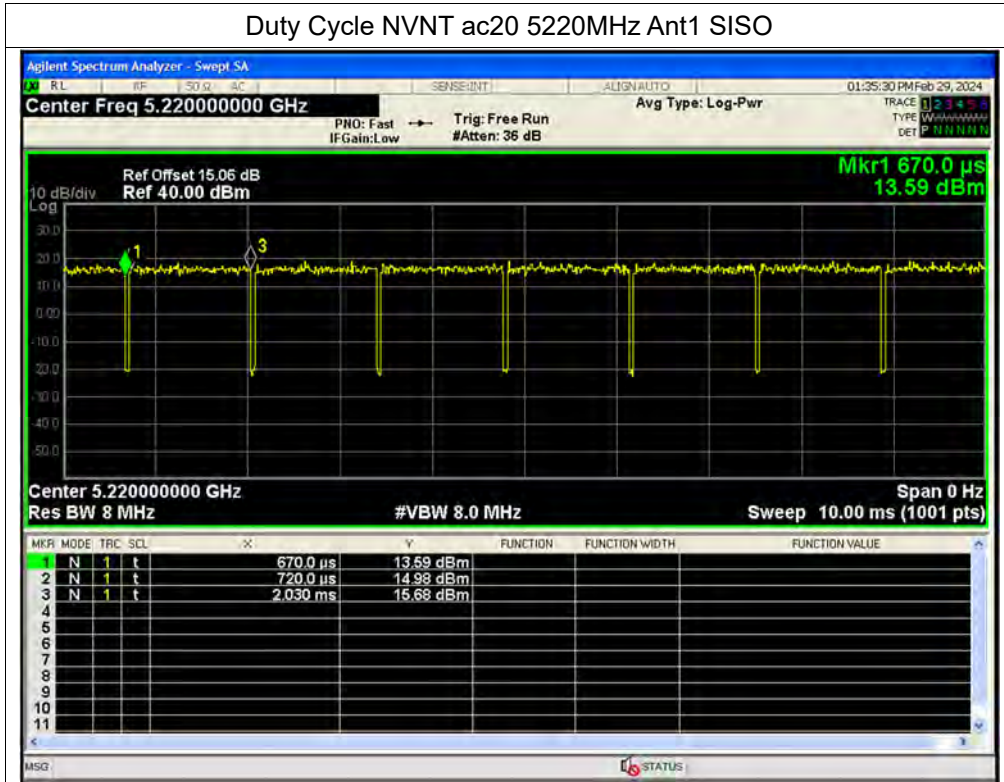


Duty Cycle NVNT ac20 5180MHz Ant1 SISO

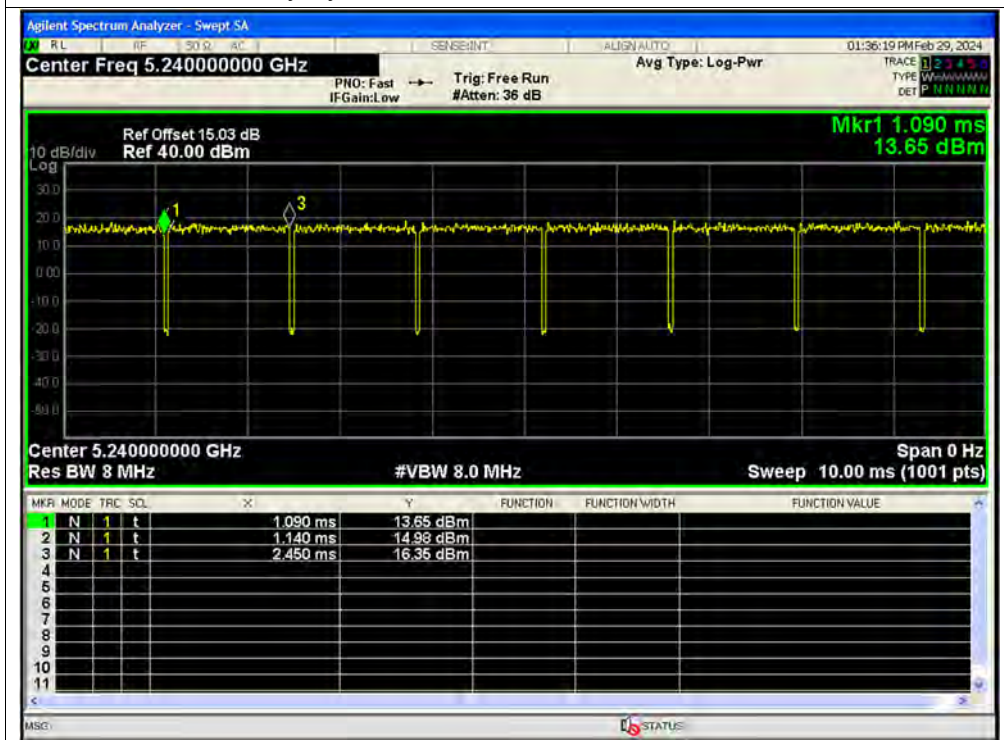




Duty Cycle NVNT ac20 5220MHz Ant1 SISO

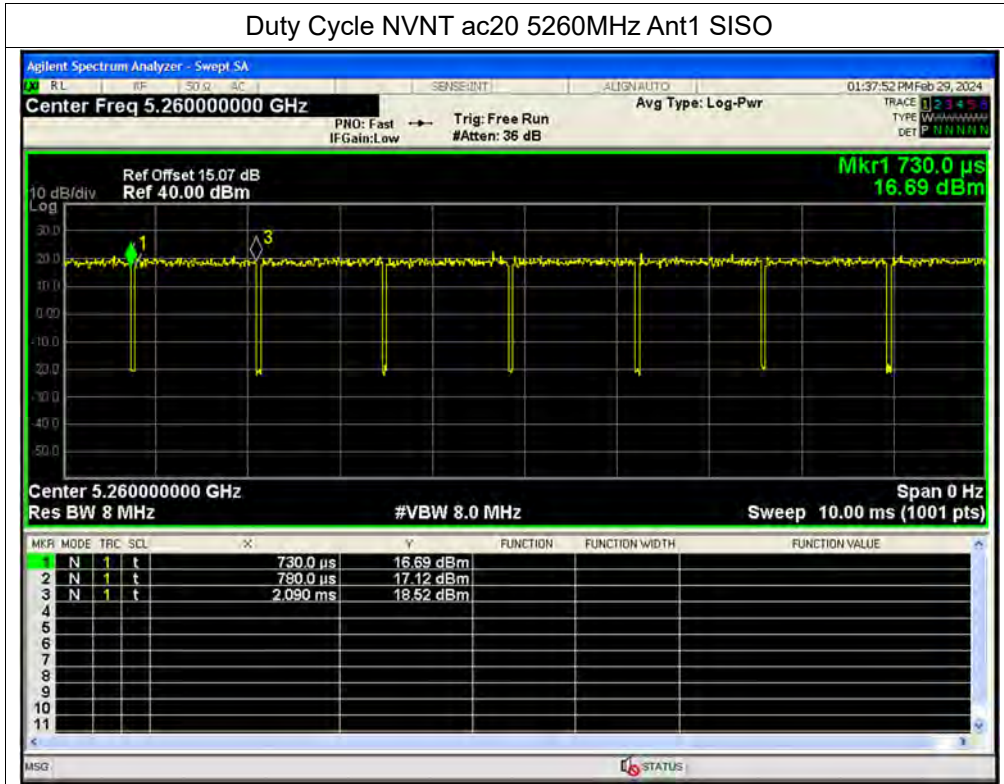


Duty Cycle NVNT ac20 5240MHz Ant1 SISO

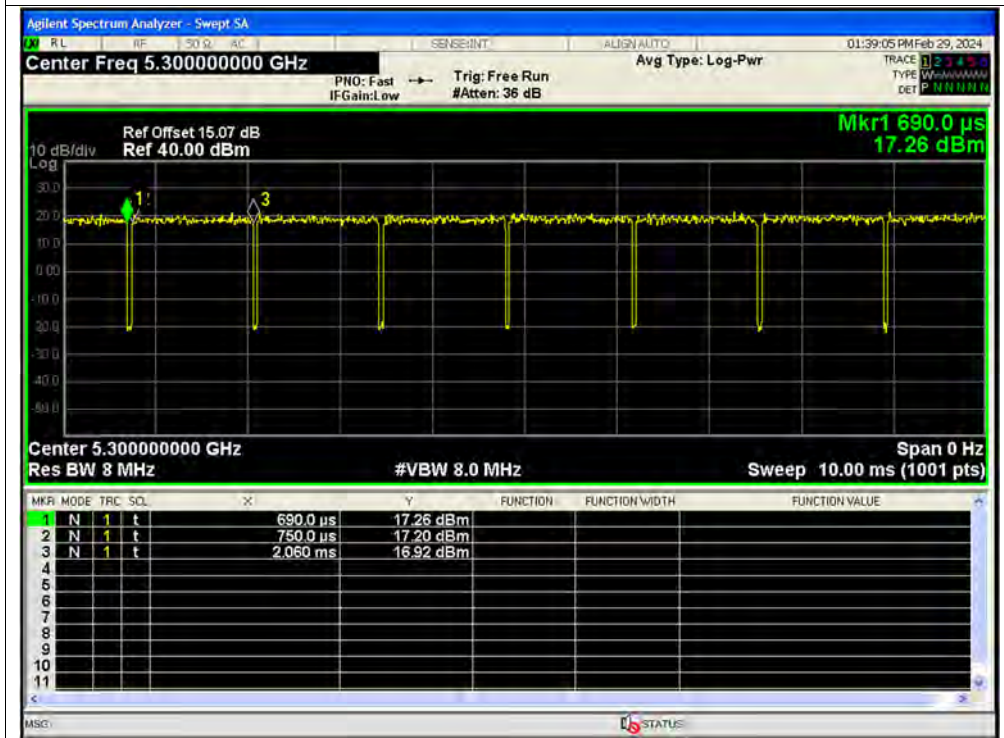




Duty Cycle NVNT ac20 5260MHz Ant1 SISO

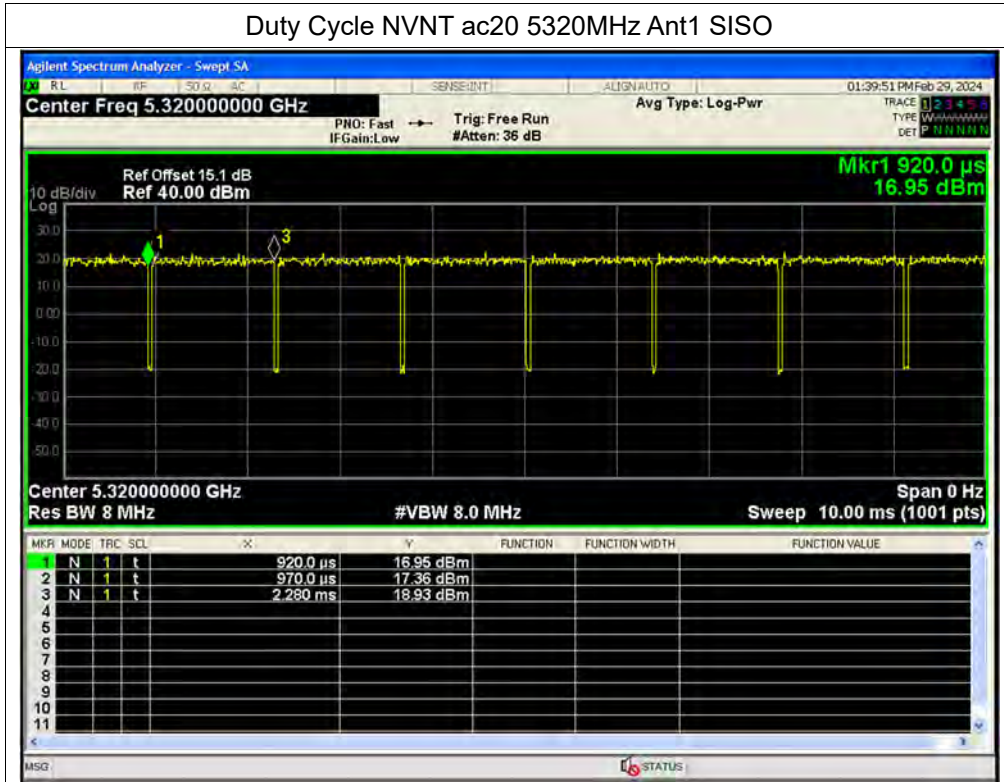


Duty Cycle NVNT ac20 5300MHz Ant1 SISO

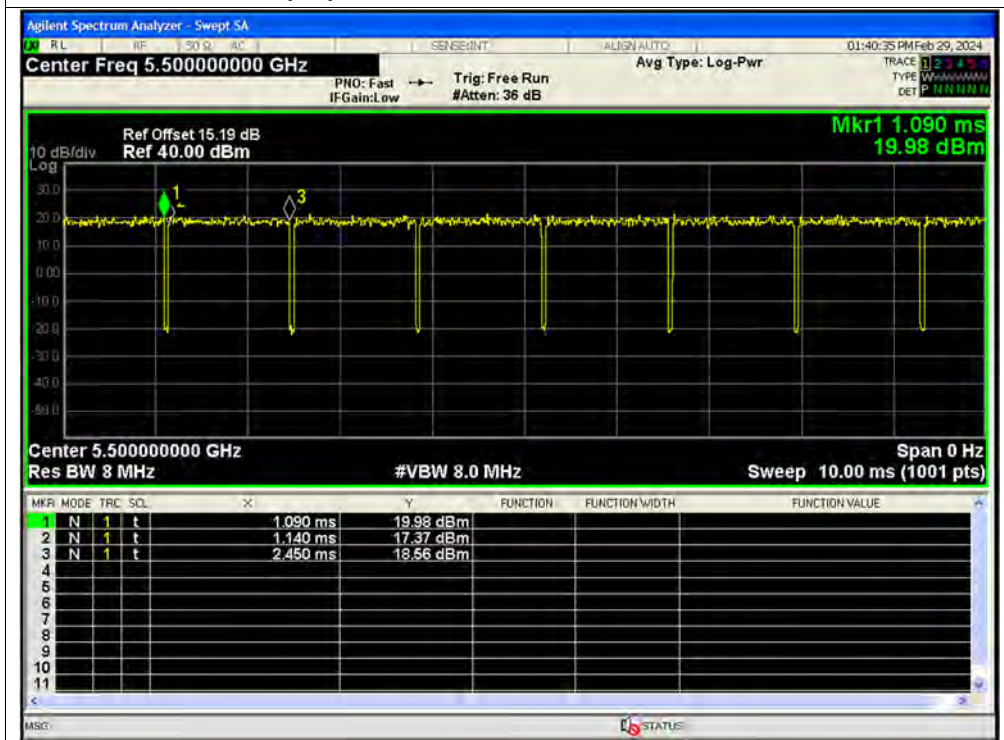




Duty Cycle NVNT ac20 5320MHz Ant1 SISO

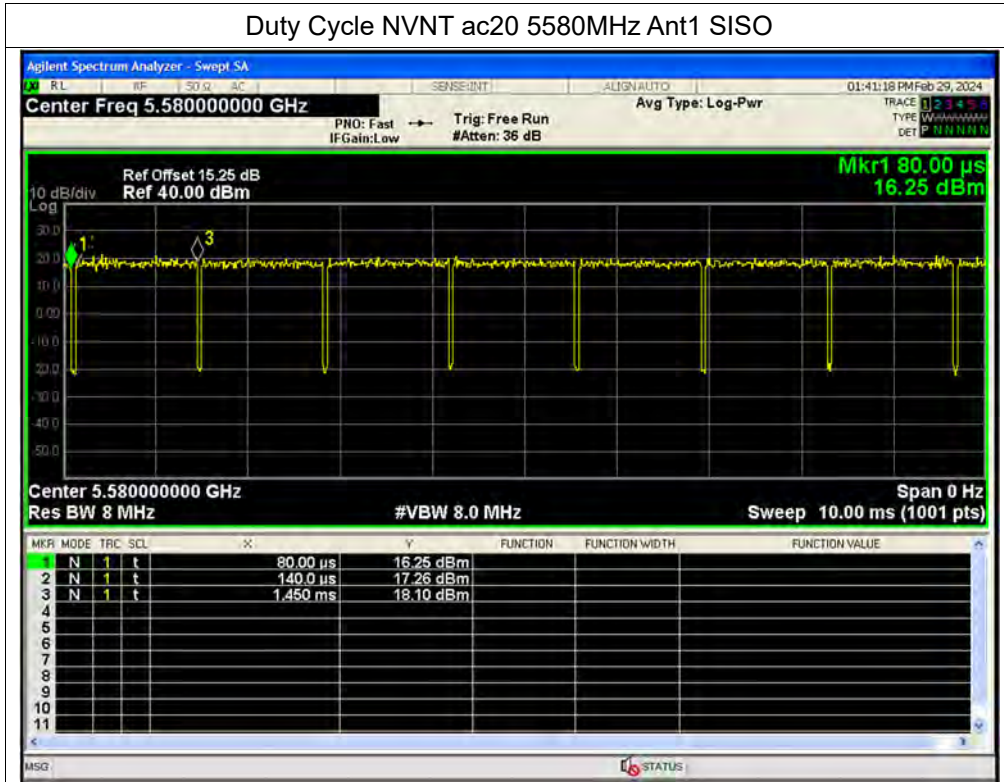


Duty Cycle NVNT ac20 5500MHz Ant1 SISO

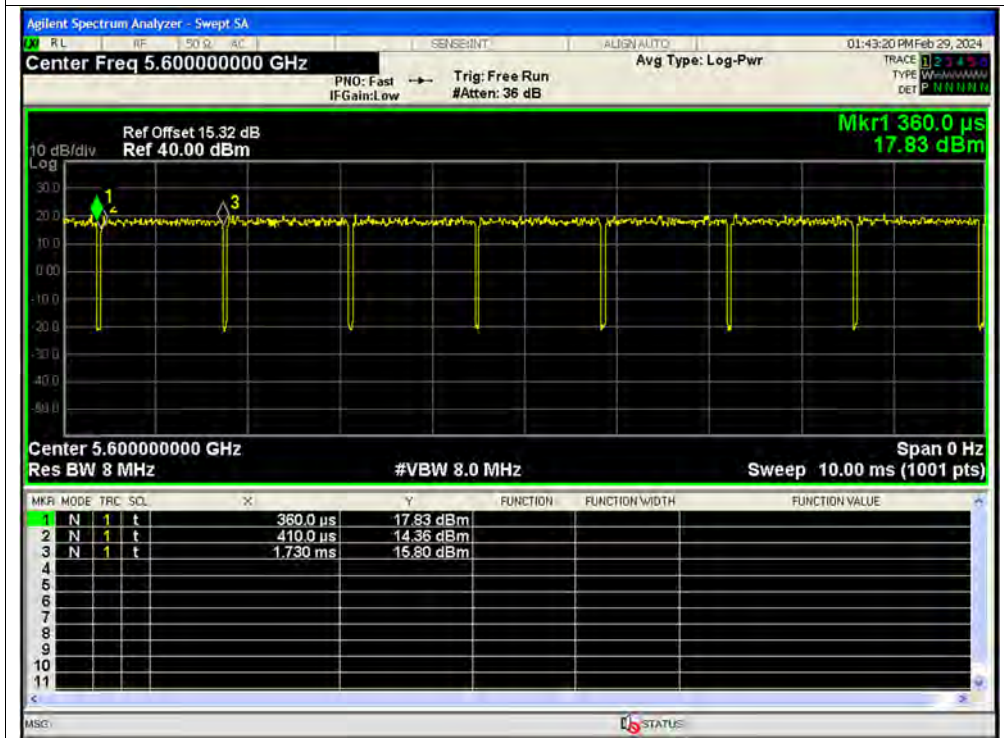




Duty Cycle NVNT ac20 5580MHz Ant1 SISO

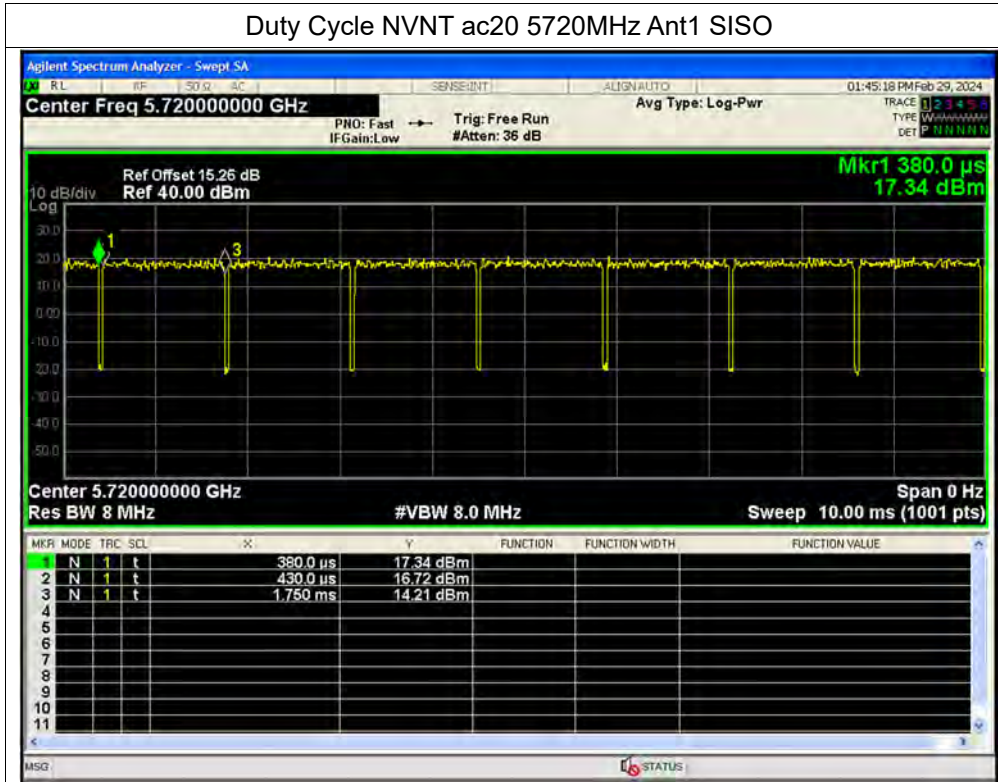


Duty Cycle NVNT ac20 5600MHz Ant1 SISO

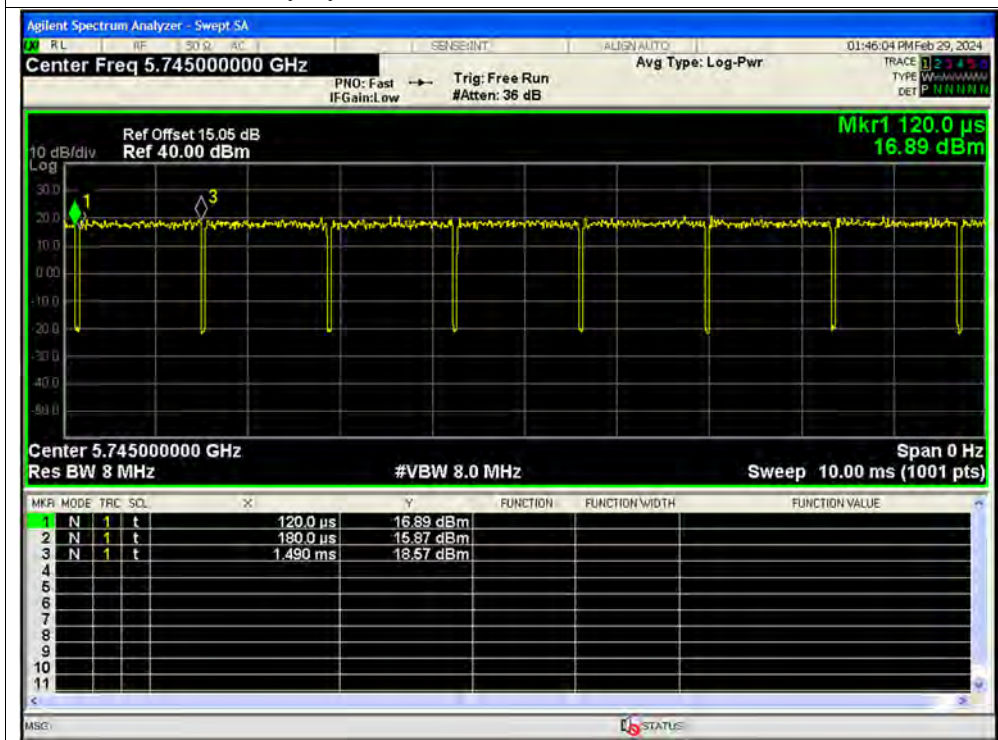




Duty Cycle NVNT ac20 5720MHz Ant1 SISO

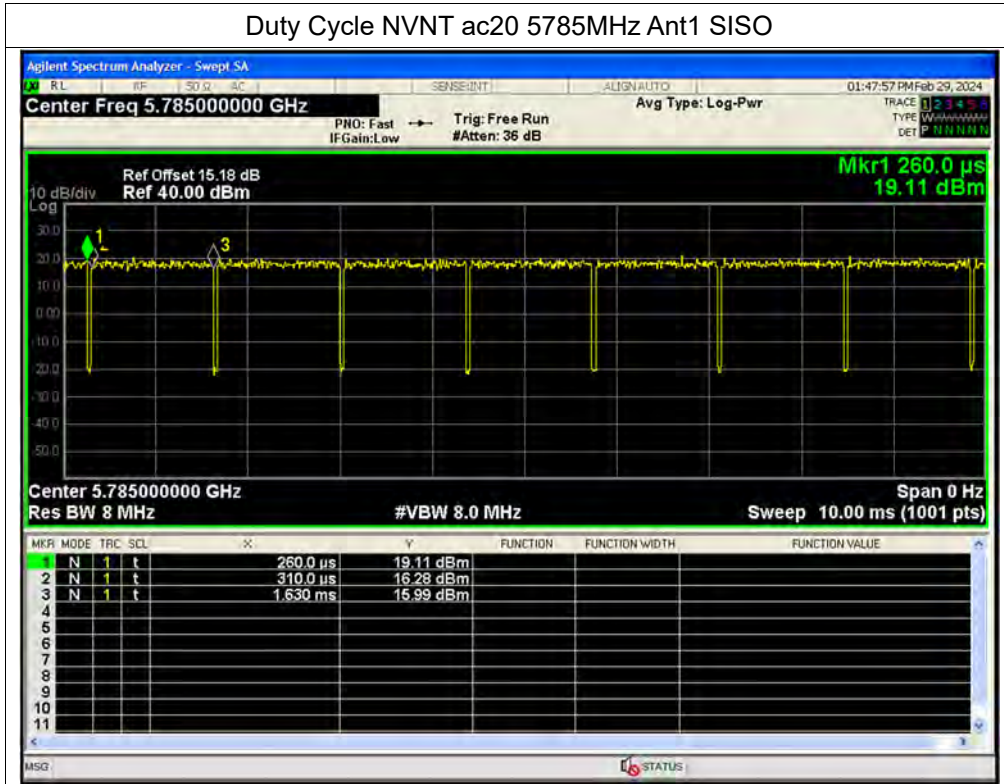


Duty Cycle NVNT ac20 5745MHz Ant1 SISO

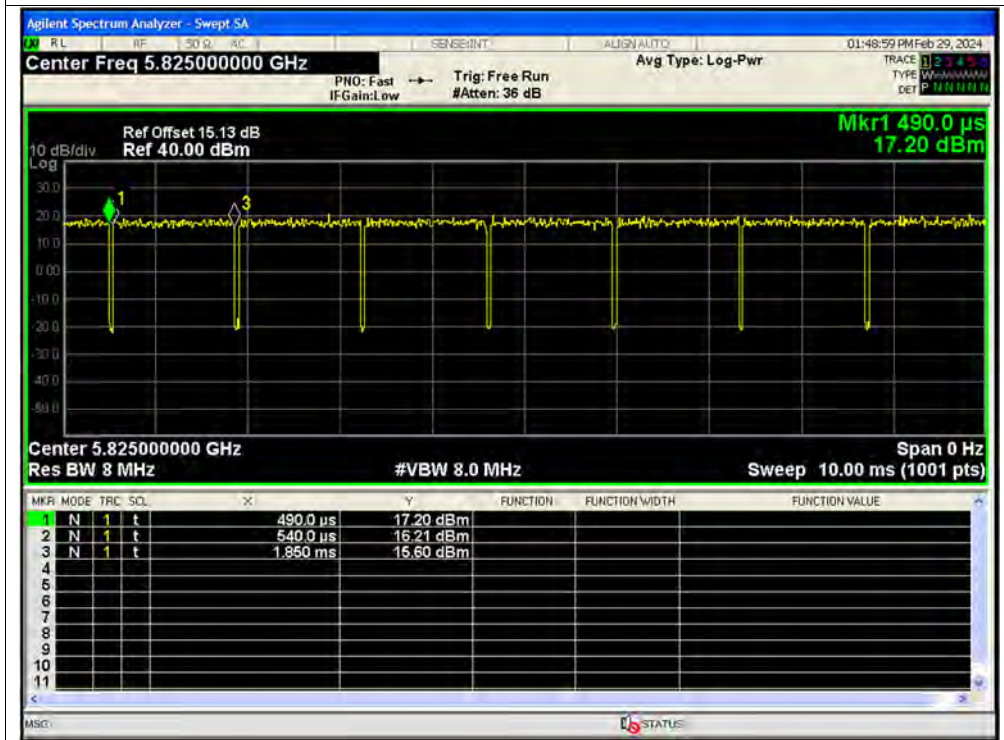




Duty Cycle NVNT ac20 5785MHz Ant1 SISO

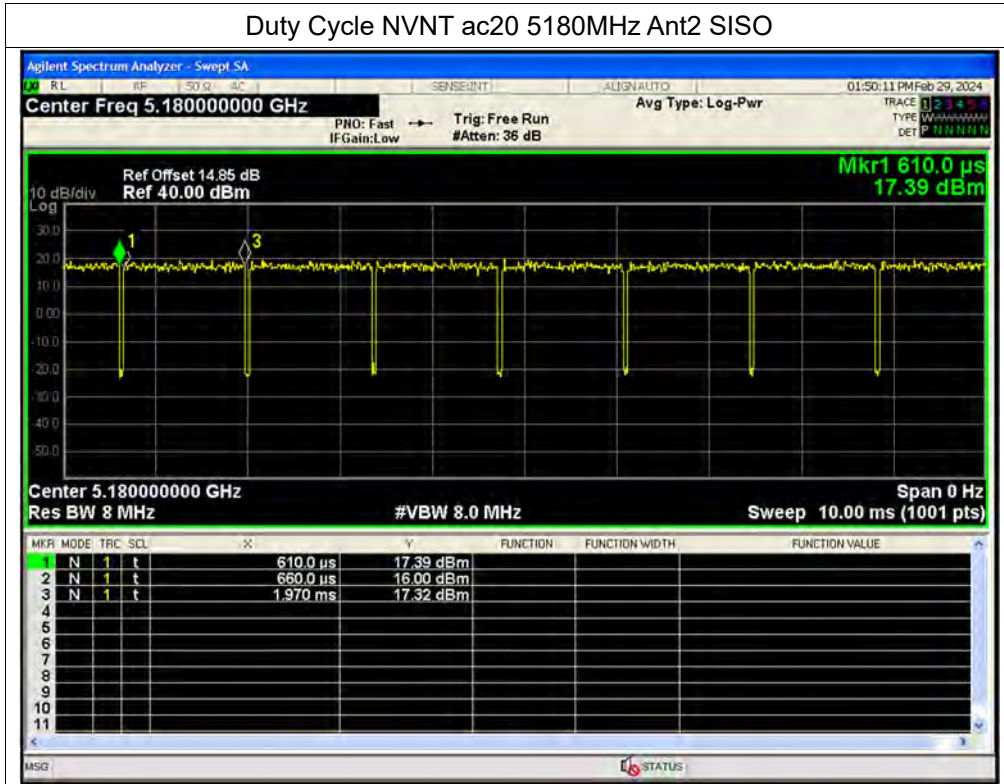


Duty Cycle NVNT ac20 5825MHz Ant1 SISO

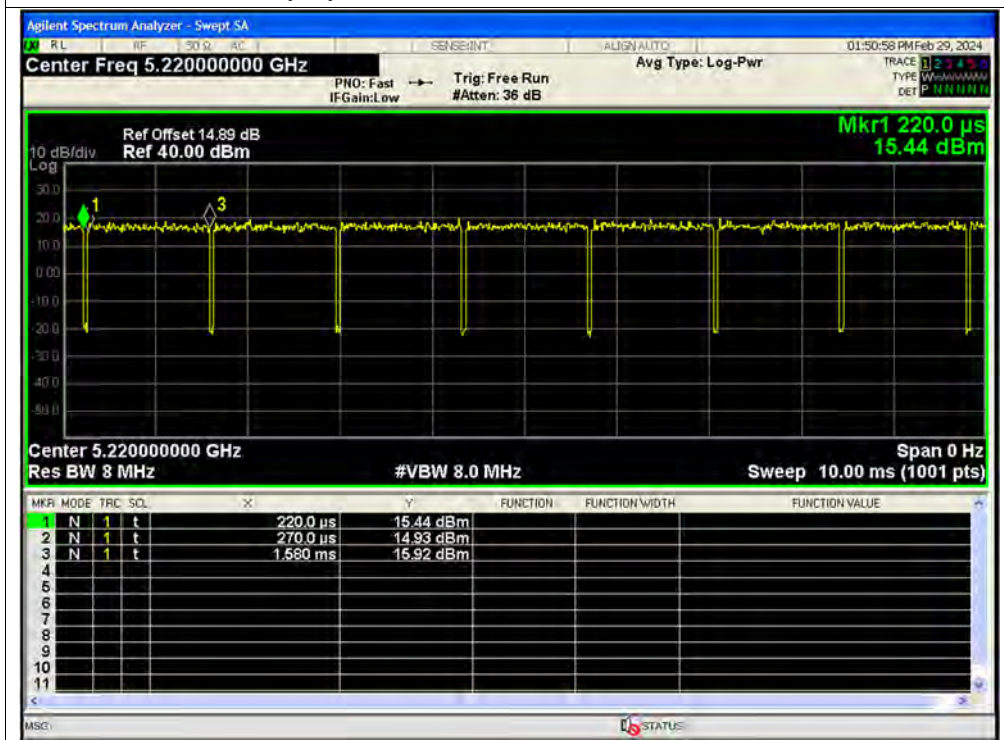




Duty Cycle NVNT ac20 5180MHz Ant2 SISO

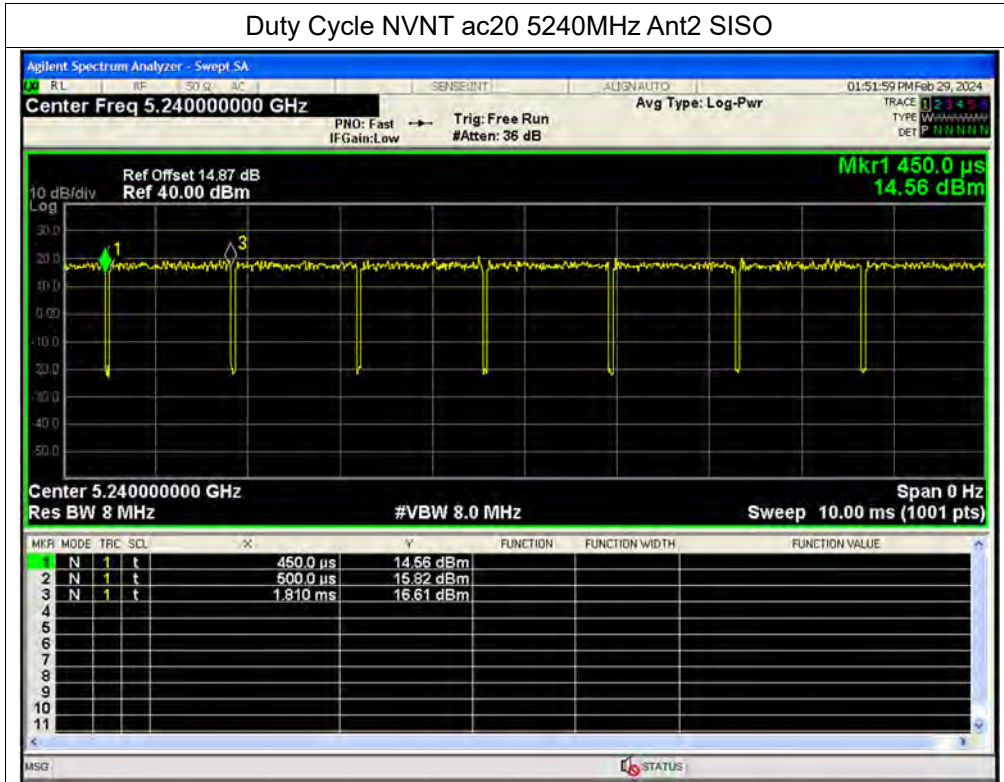


Duty Cycle NVNT ac20 5220MHz Ant2 SISO

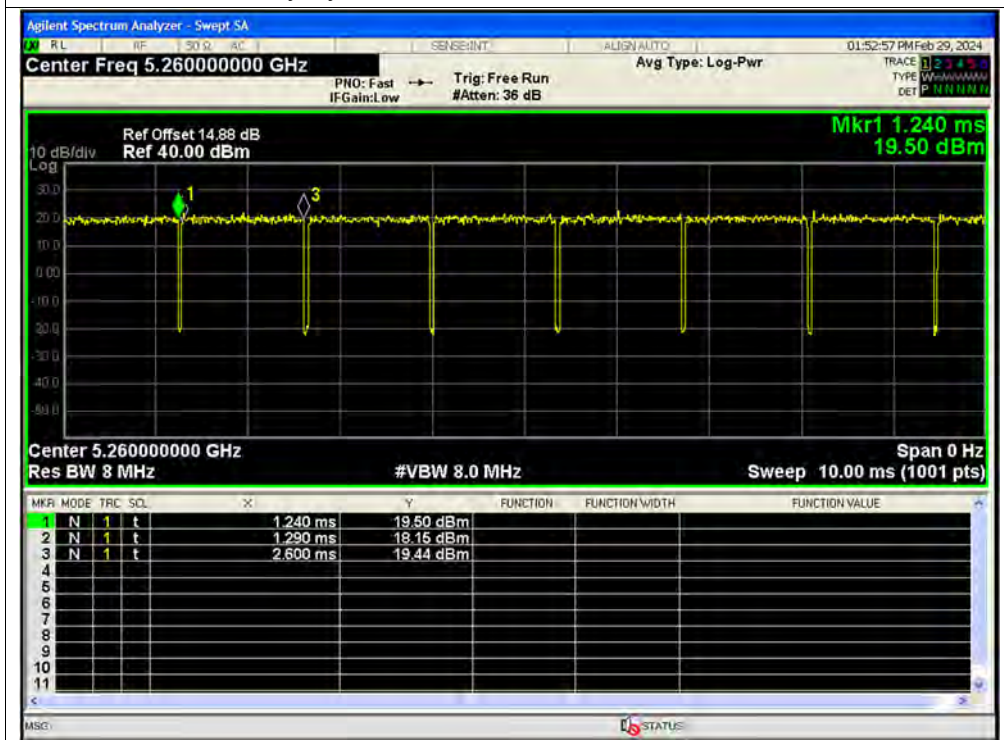




Duty Cycle NVNT ac20 5240MHz Ant2 SISO

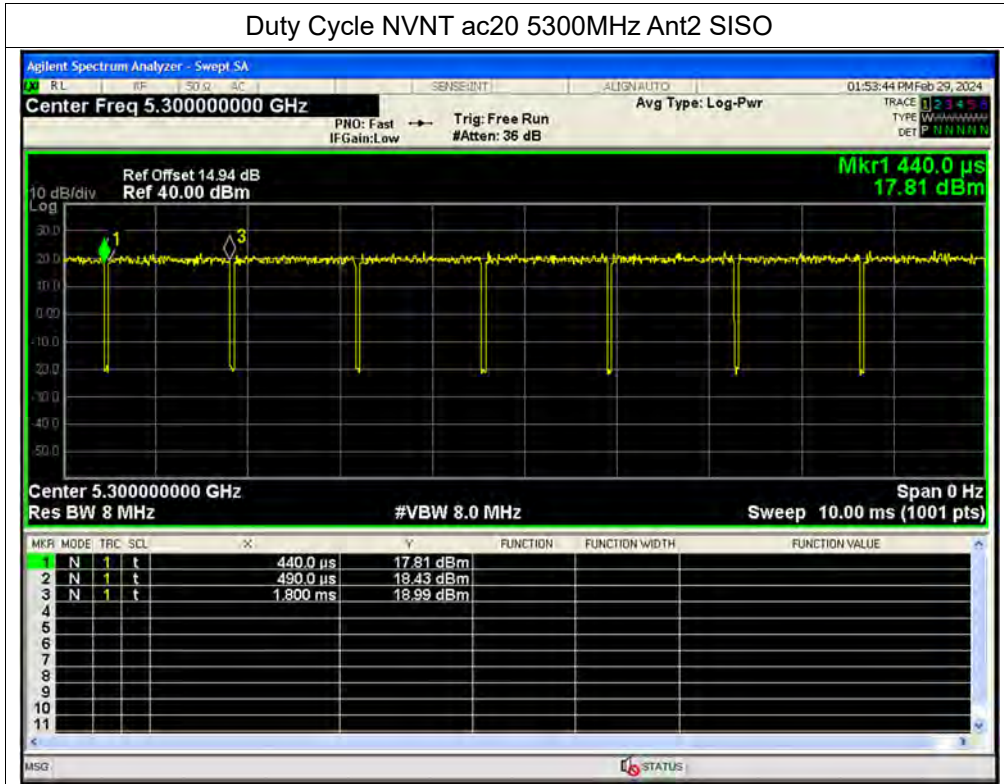


Duty Cycle NVNT ac20 5260MHz Ant2 SISO

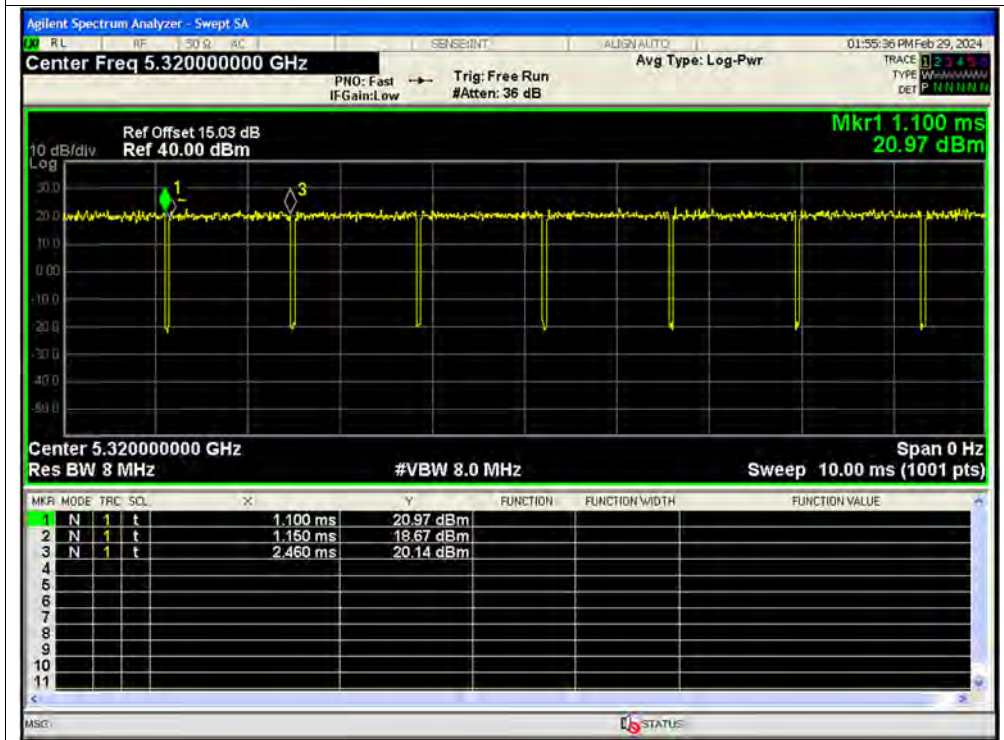




Duty Cycle NVNT ac20 5300MHz Ant2 SISO

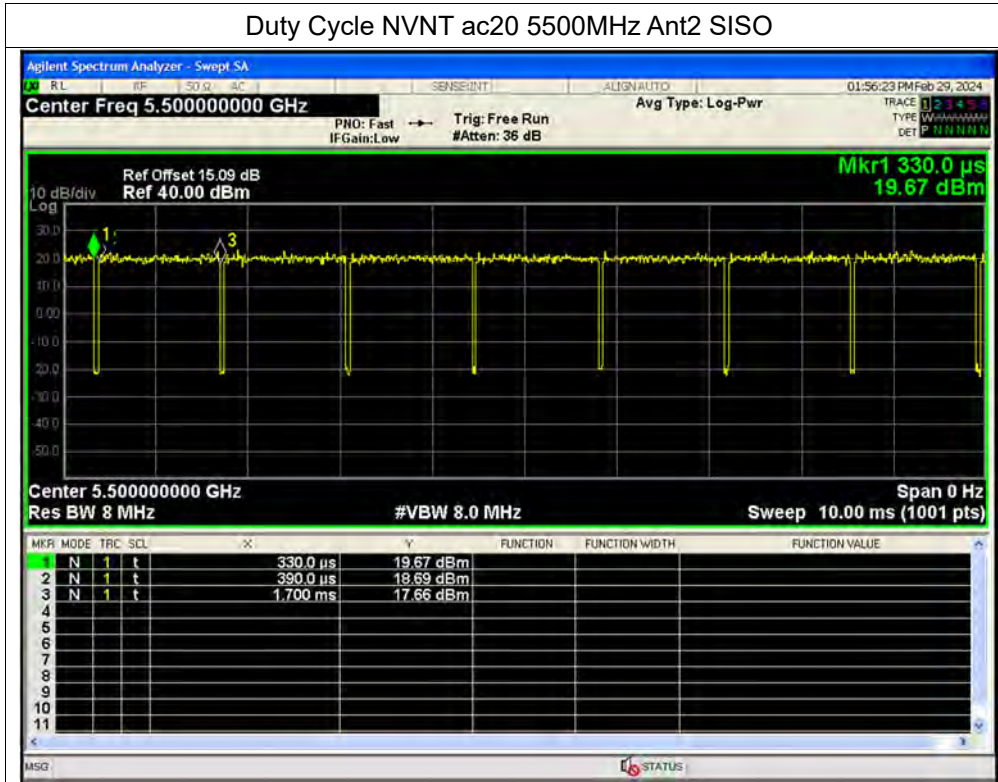


Duty Cycle NVNT ac20 5320MHz Ant2 SISO

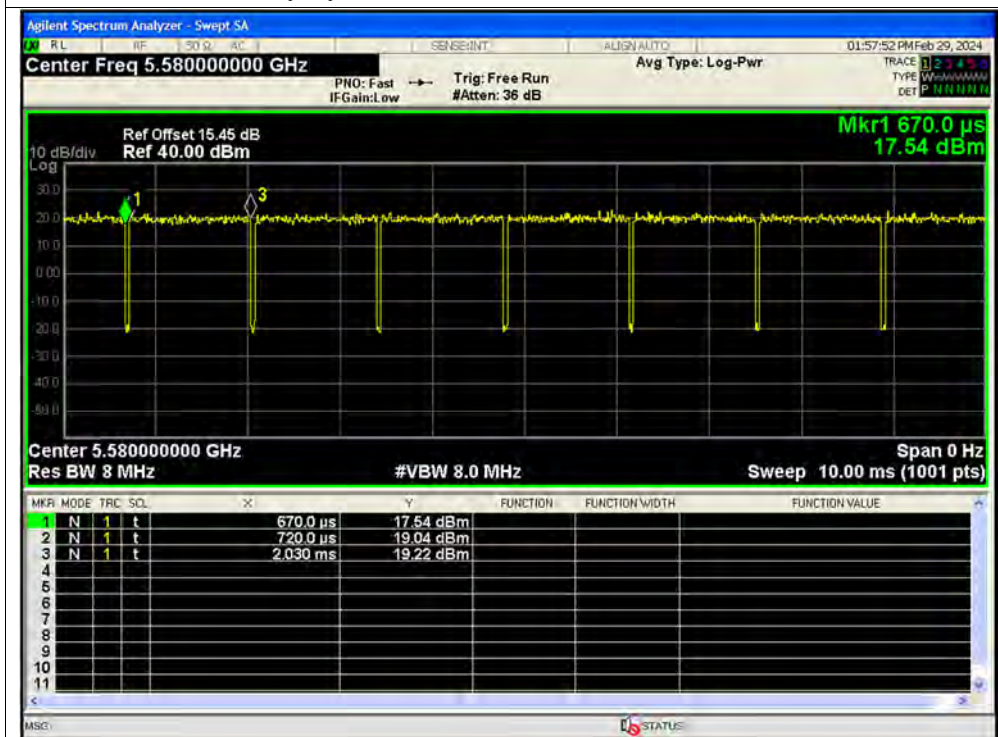




Duty Cycle NVNT ac20 5500MHz Ant2 SISO

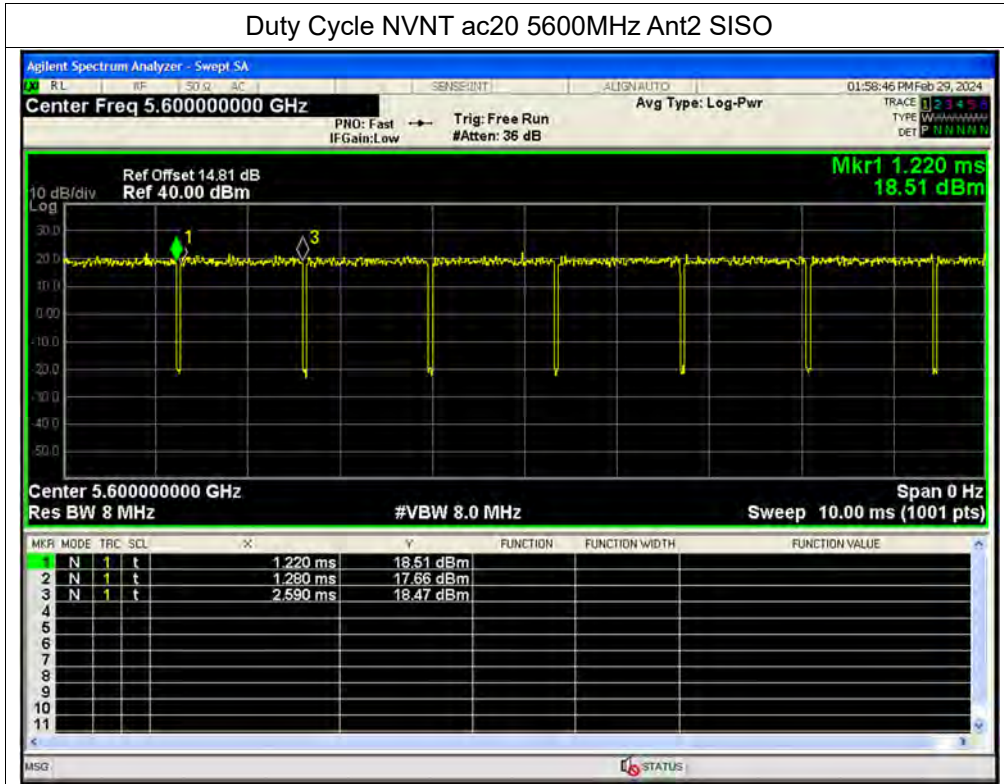


Duty Cycle NVNT ac20 5580MHz Ant2 SISO

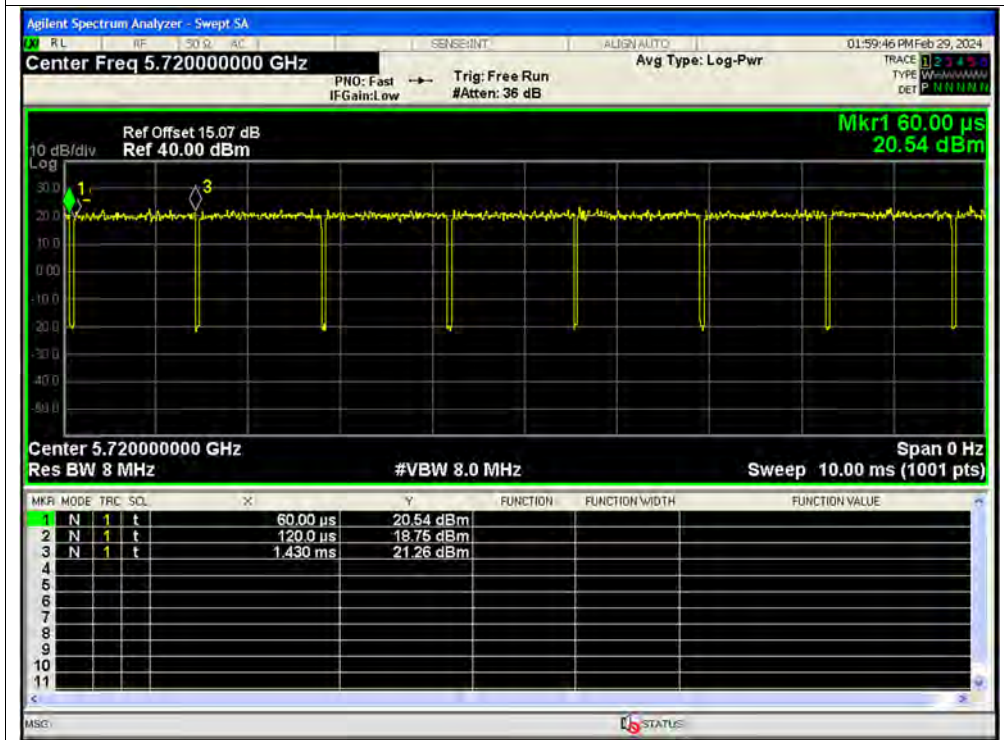




Duty Cycle NVNT ac20 5600MHz Ant2 SISO

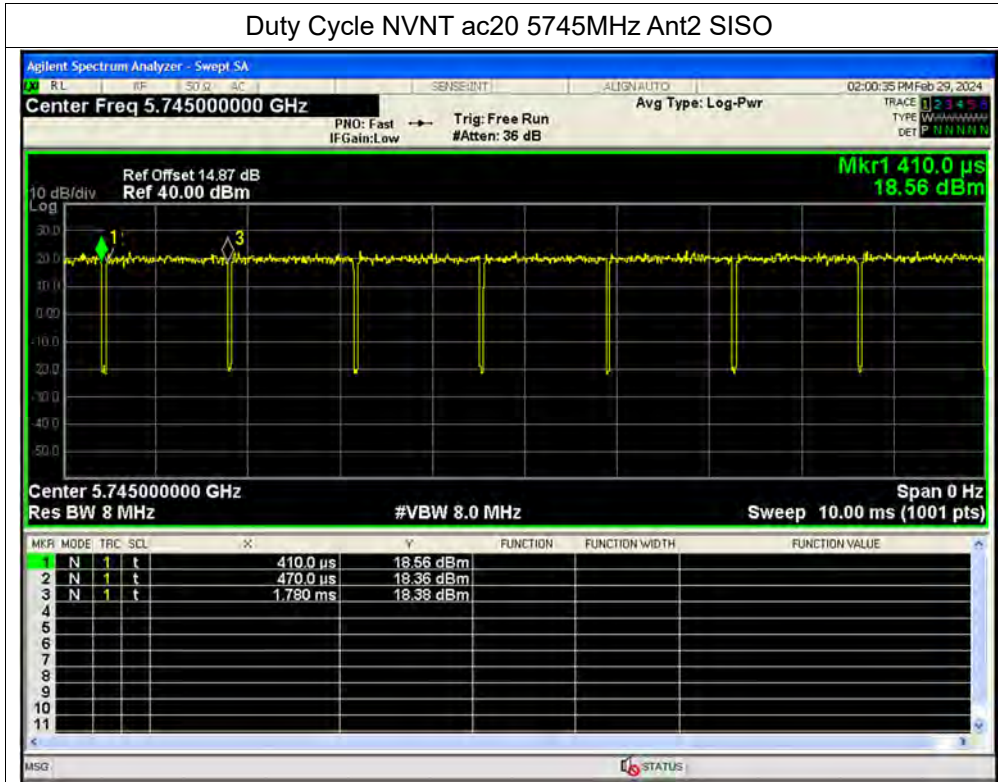


Duty Cycle NVNT ac20 5720MHz Ant2 SISO

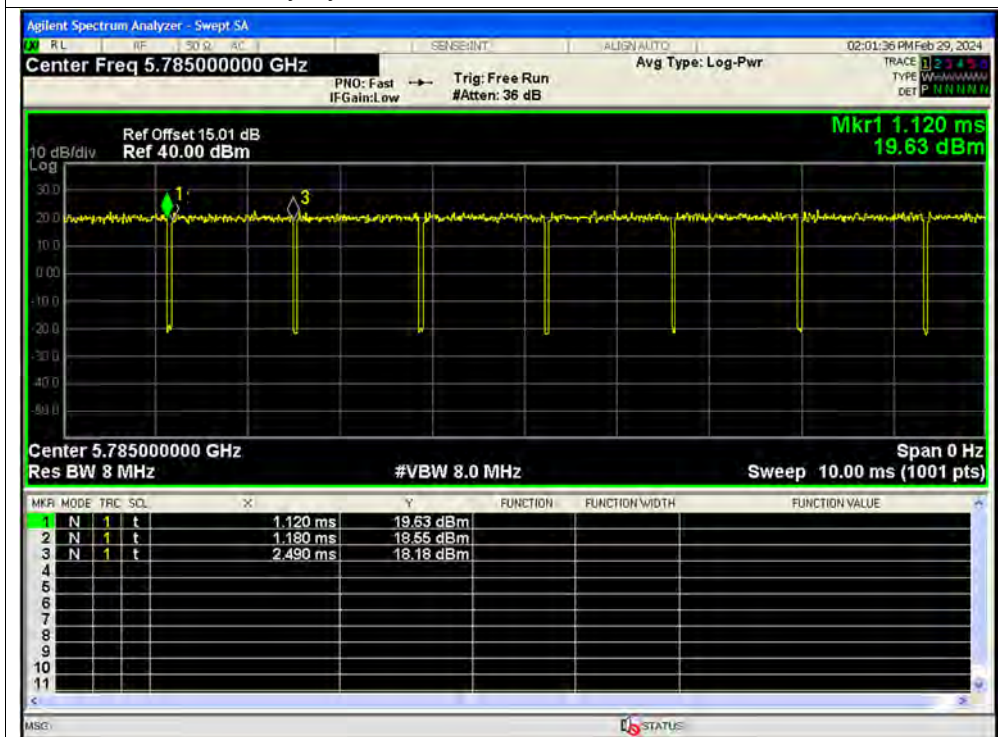




Duty Cycle NVNT ac20 5745MHz Ant2 SISO

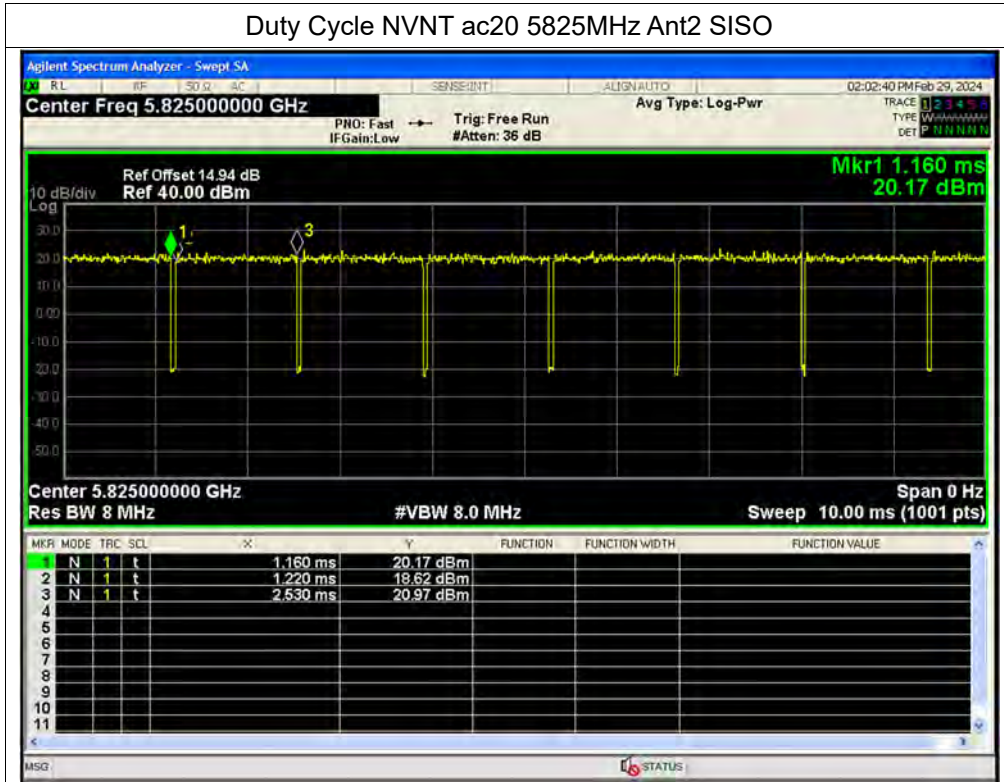


Duty Cycle NVNT ac20 5785MHz Ant2 SISO

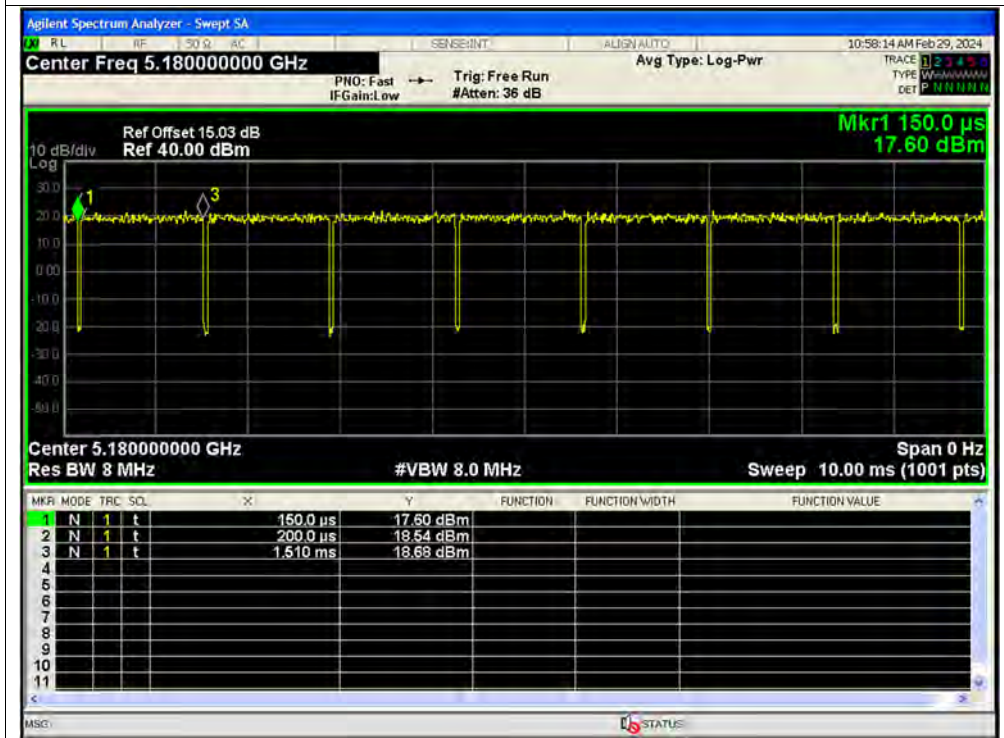




Duty Cycle NVNT ac20 5825MHz Ant2 SISO

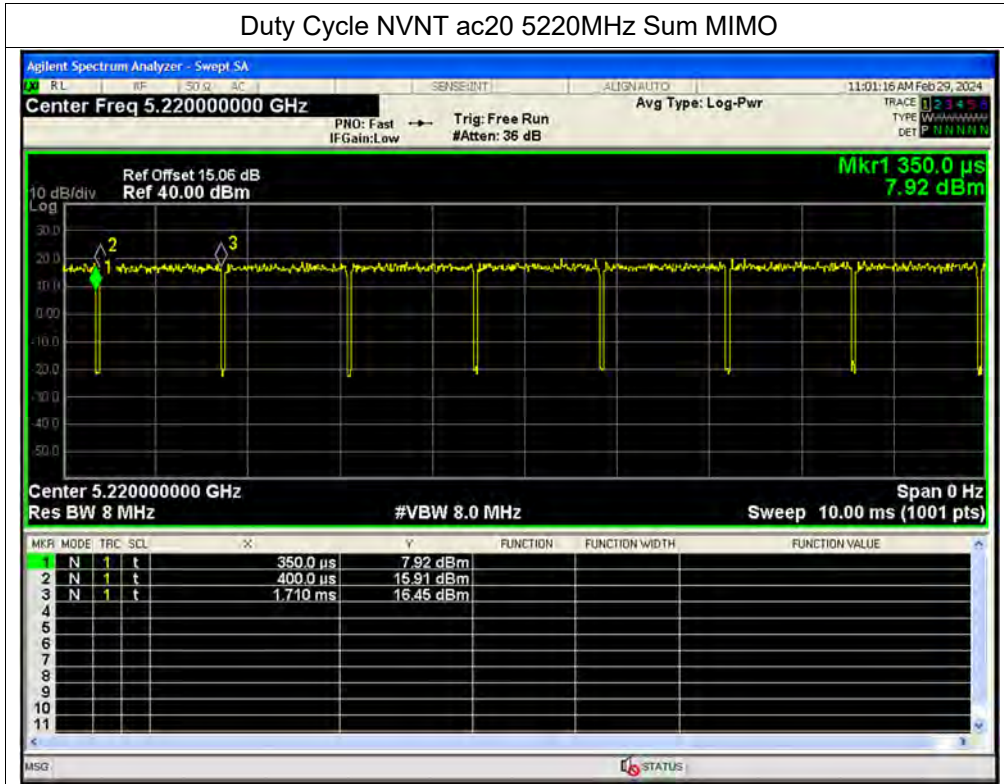


Duty Cycle NVNT ac20 5180MHz Sum MIMO

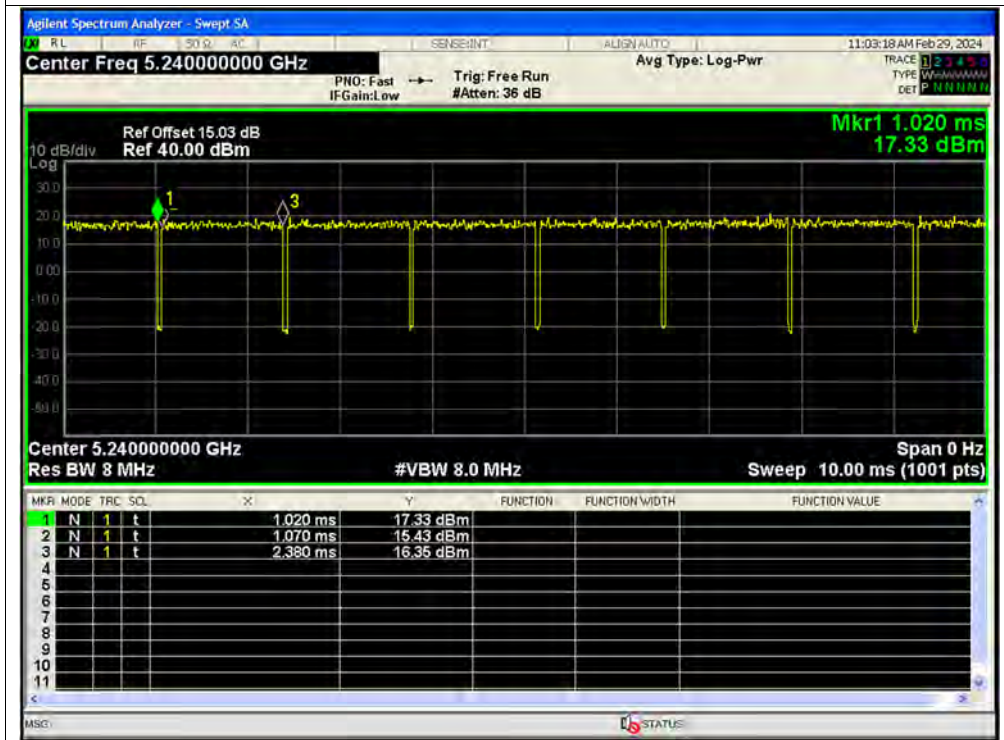




Duty Cycle NVNT ac20 5220MHz Sum MIMO

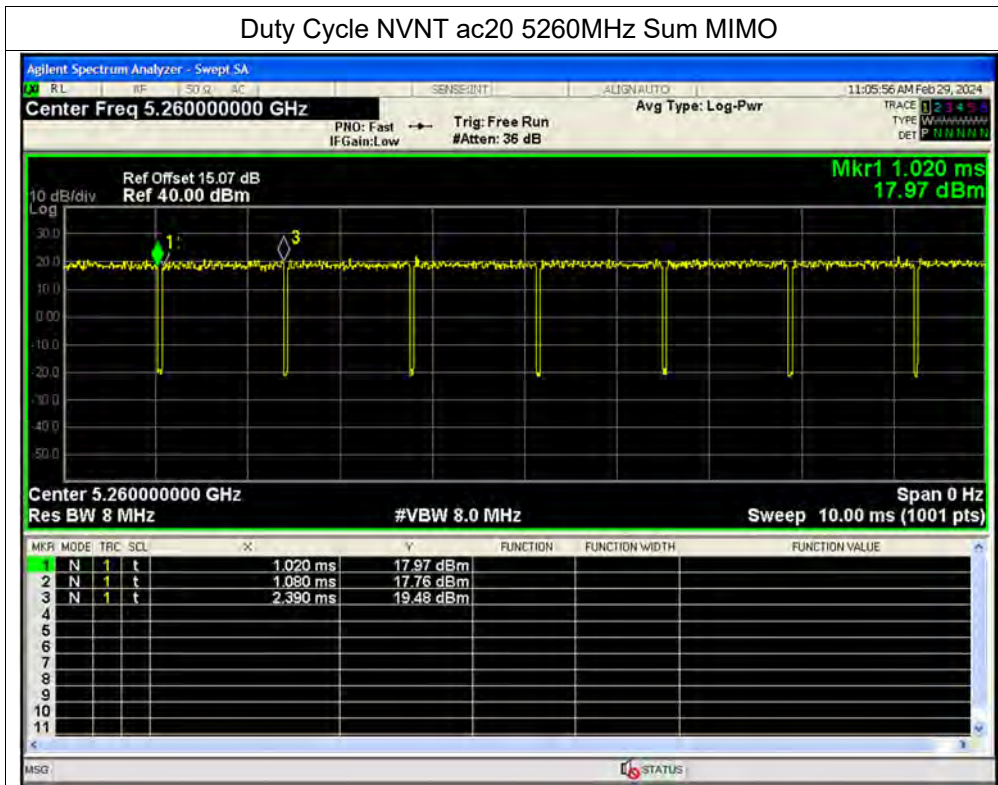


Duty Cycle NVNT ac20 5240MHz Sum MIMO

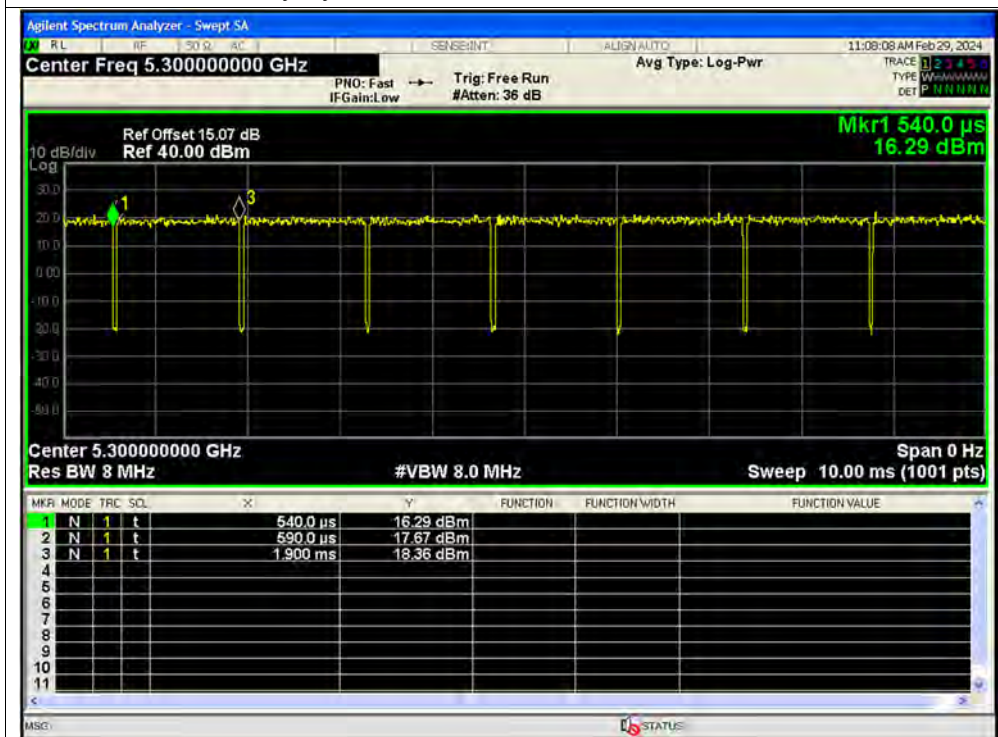




Duty Cycle NVNT ac20 5260MHz Sum MIMO

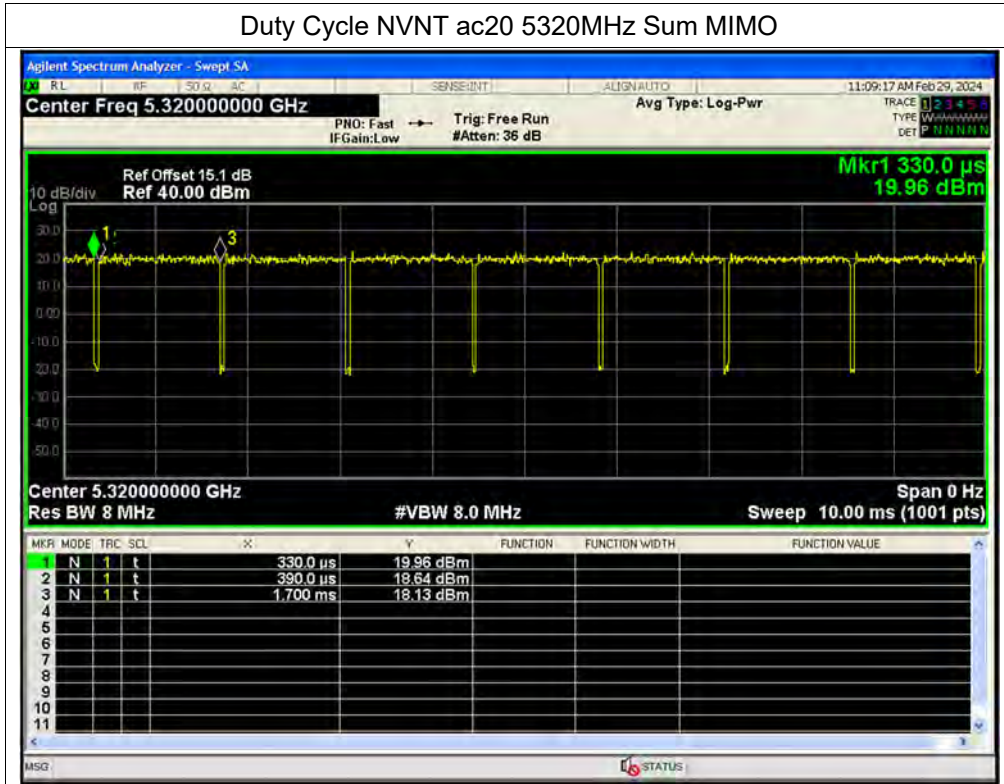


Duty Cycle NVNT ac20 5300MHz Sum MIMO

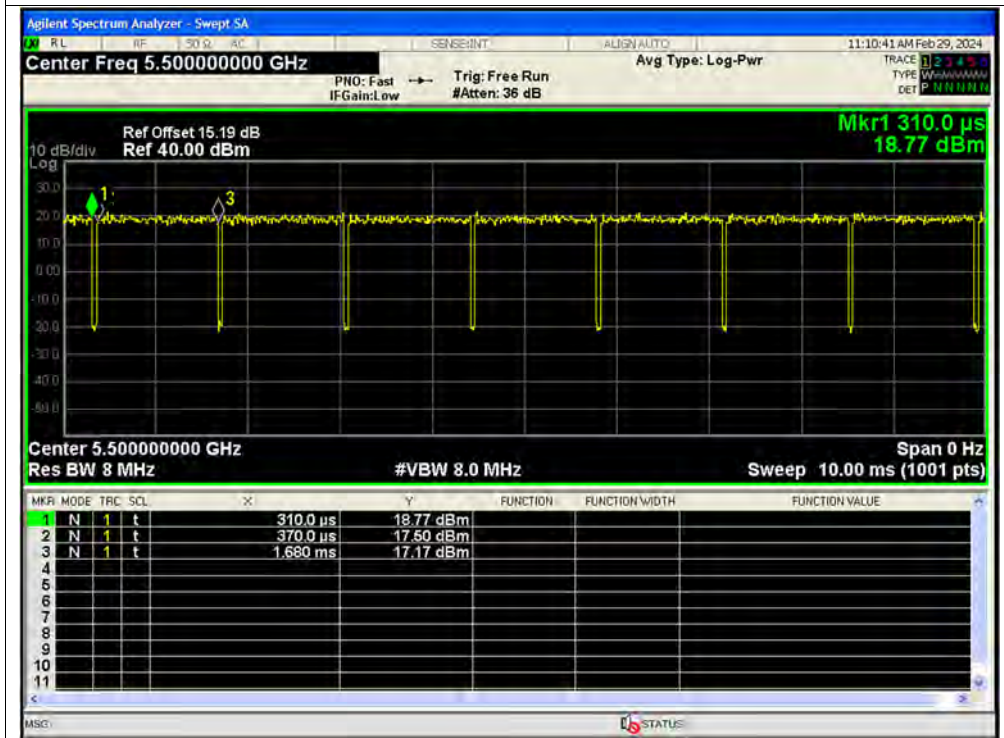




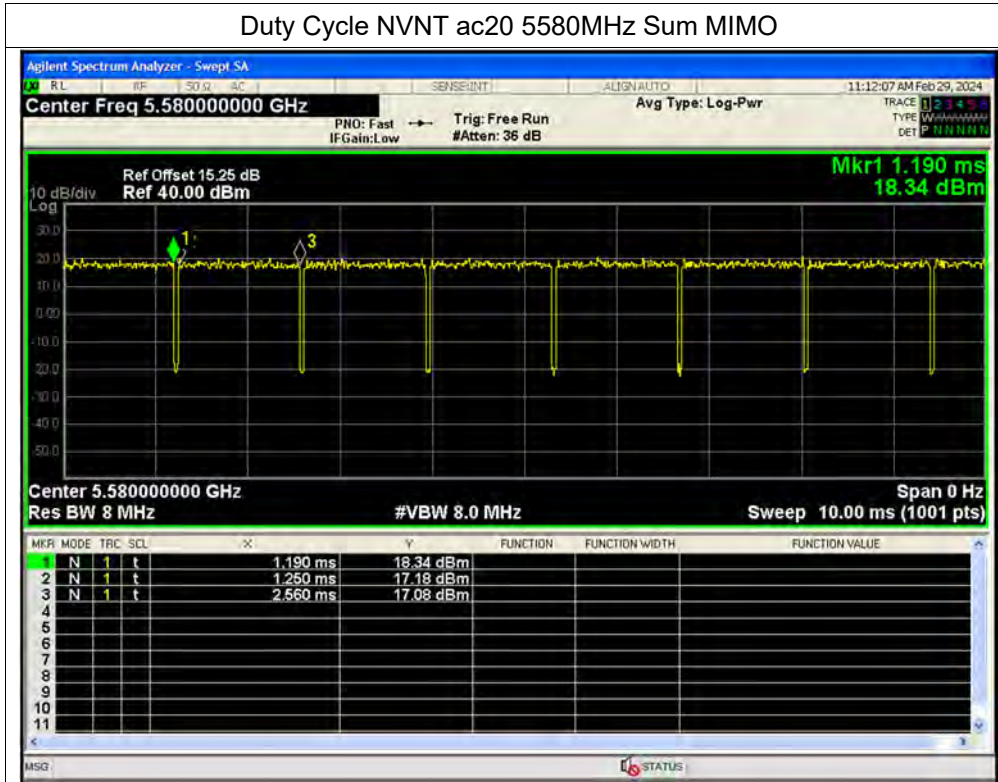
Duty Cycle NVNT ac20 5320MHz Sum MIMO



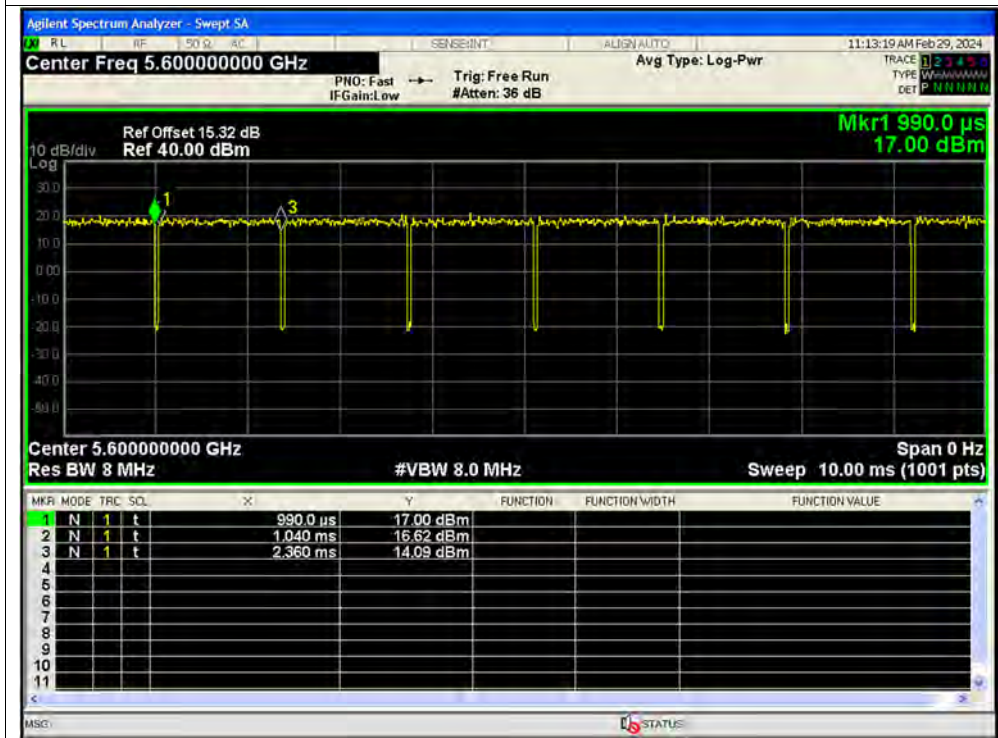
Duty Cycle NVNT ac20 5500MHz Sum MIMO



Duty Cycle NVNT ac20 5580MHz Sum MIMO

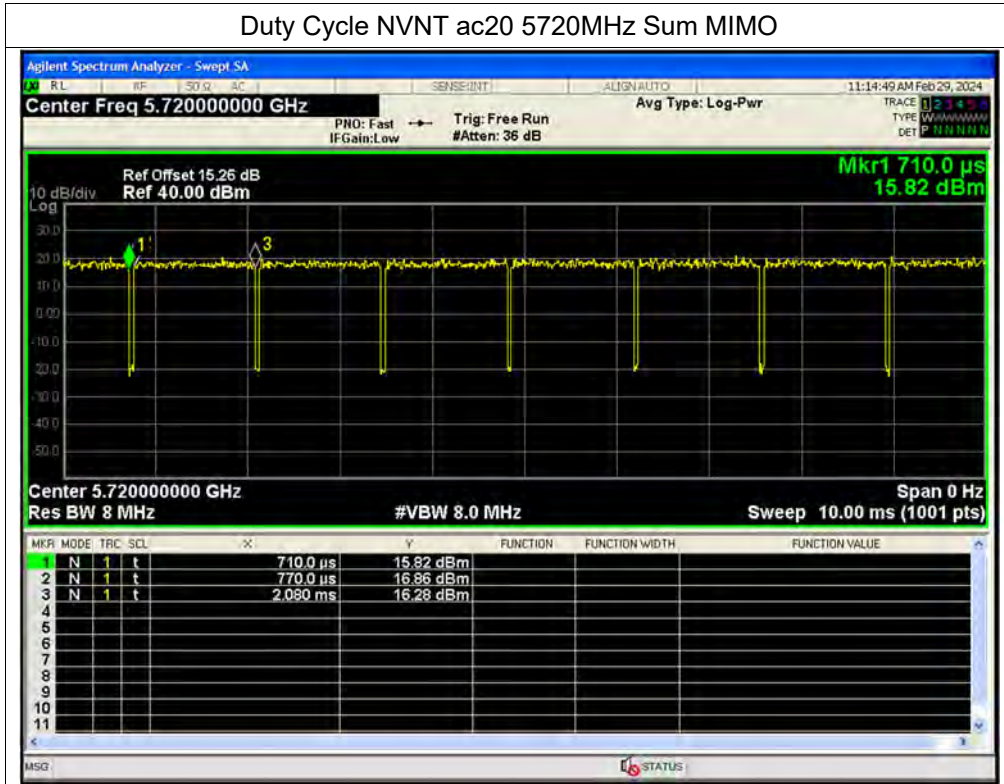


Duty Cycle NVNT ac20 5600MHz Sum MIMO

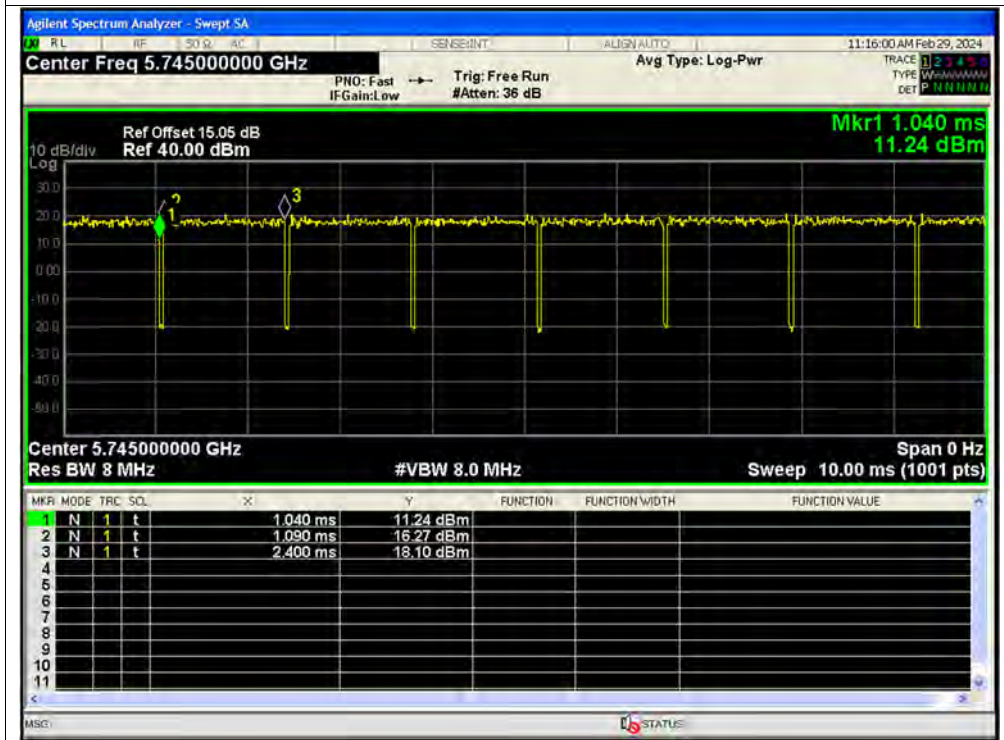




Duty Cycle NVNT ac20 5720MHz Sum MIMO

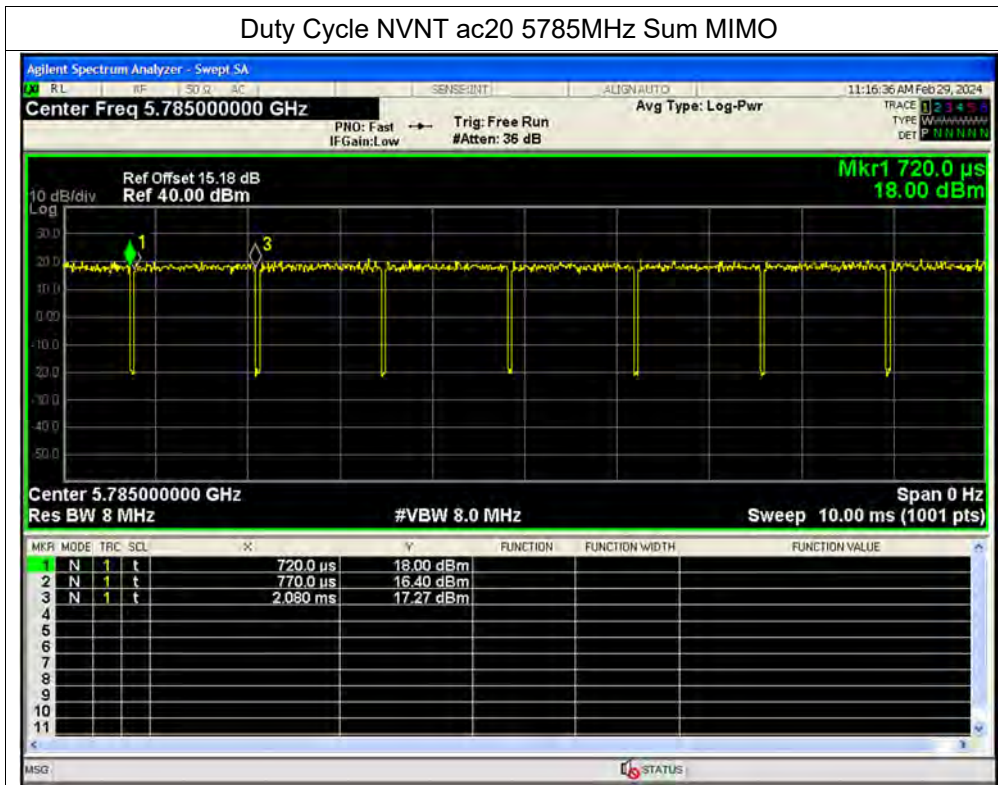


Duty Cycle NVNT ac20 5745MHz Sum MIMO

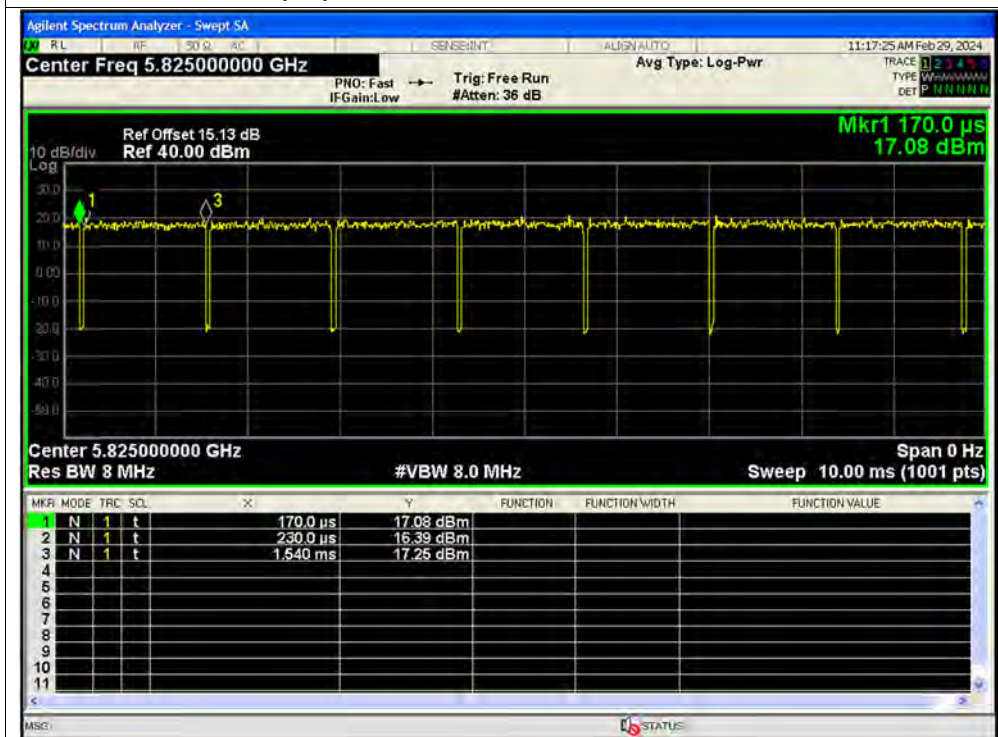




Duty Cycle NVNT ac20 5785MHz Sum MIMO

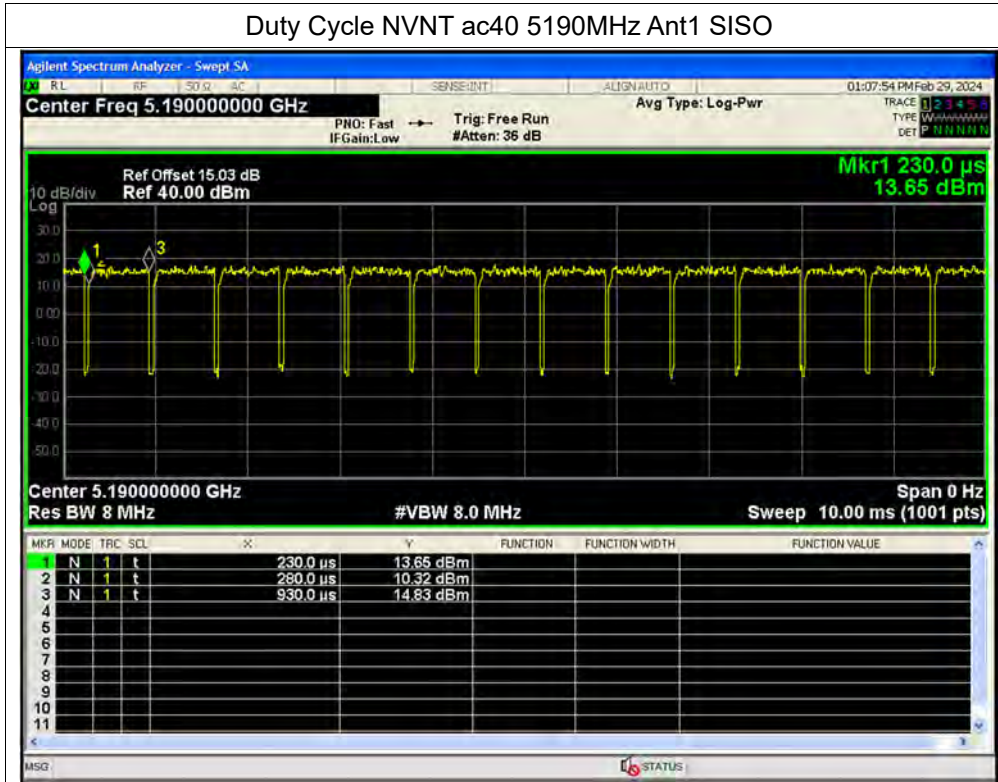


Duty Cycle NVNT ac20 5825MHz Sum MIMO

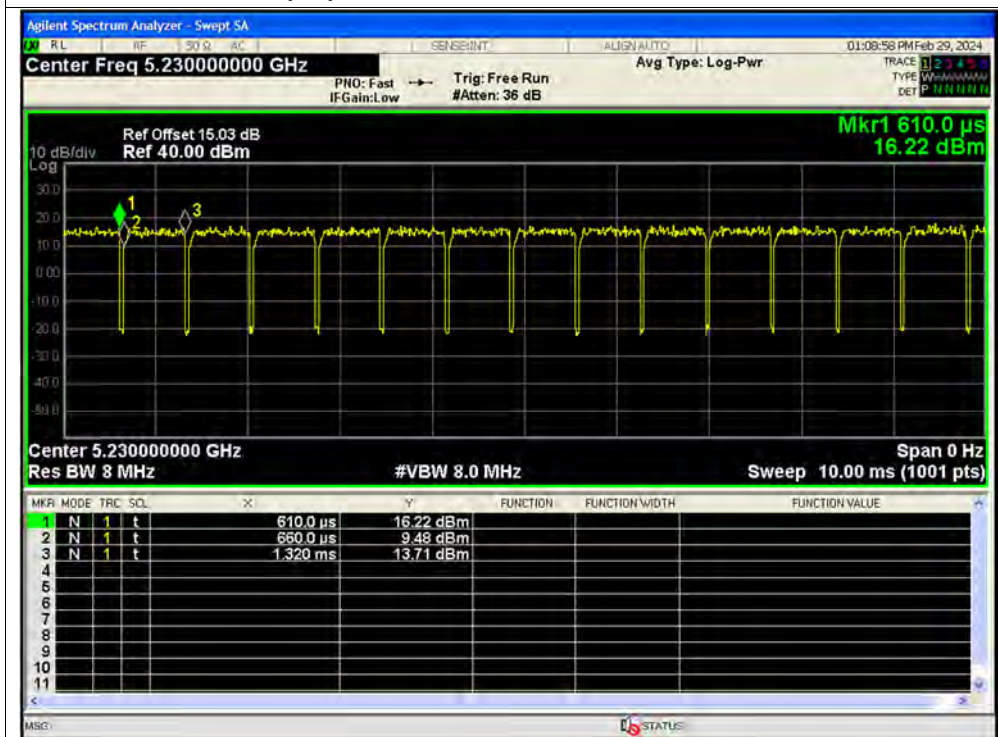




Duty Cycle NVNT ac40 5190MHz Ant1 SISO

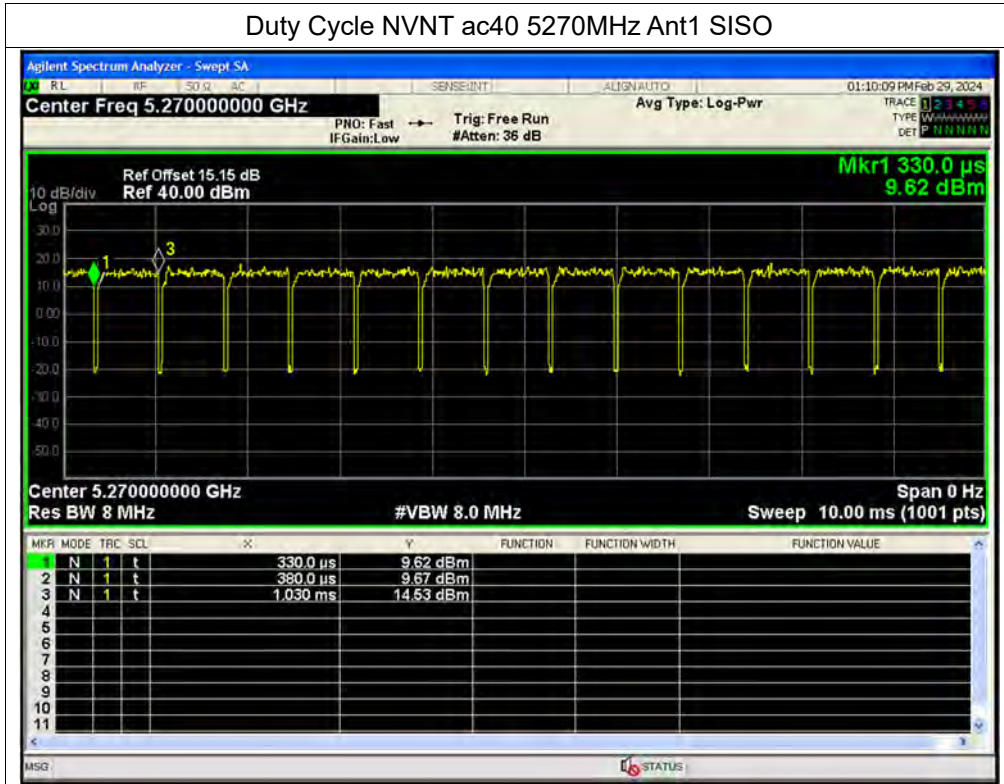


Duty Cycle NVNT ac40 5230MHz Ant1 SISO

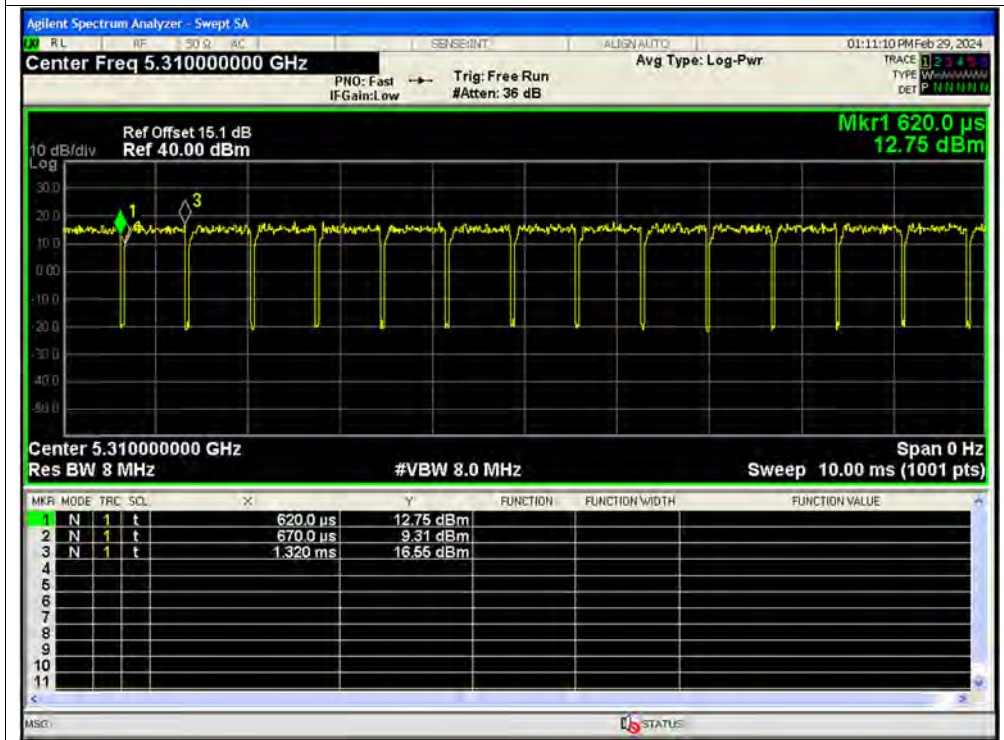




Duty Cycle NVNT ac40 5270MHz Ant1 SISO

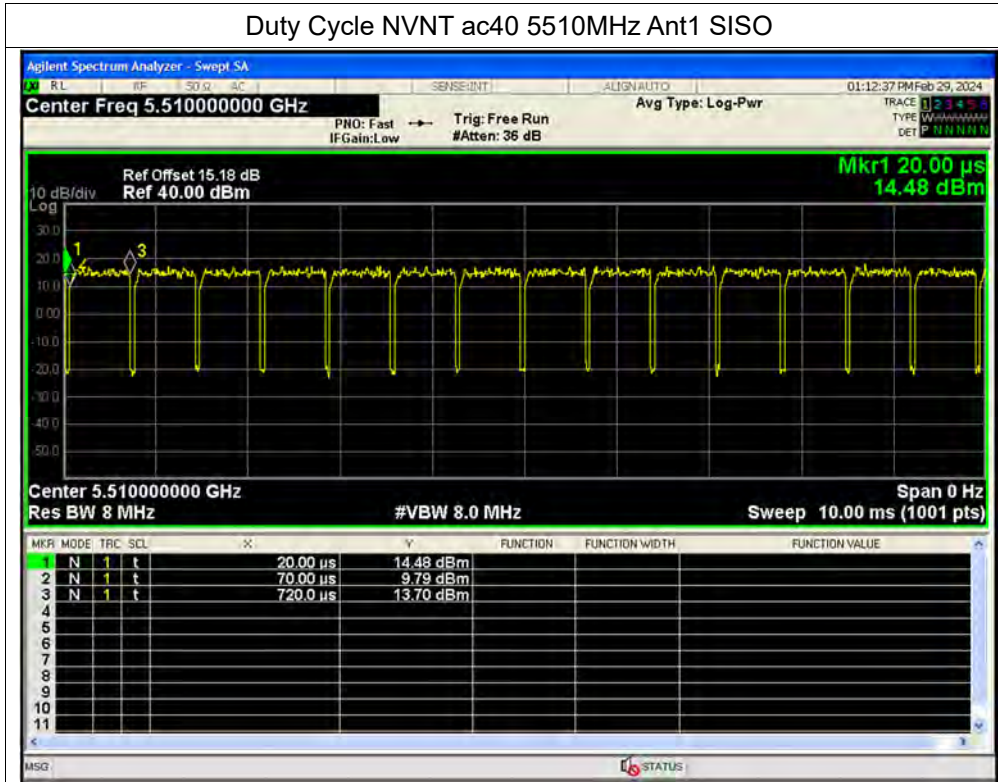


Duty Cycle NVNT ac40 5310MHz Ant1 SISO

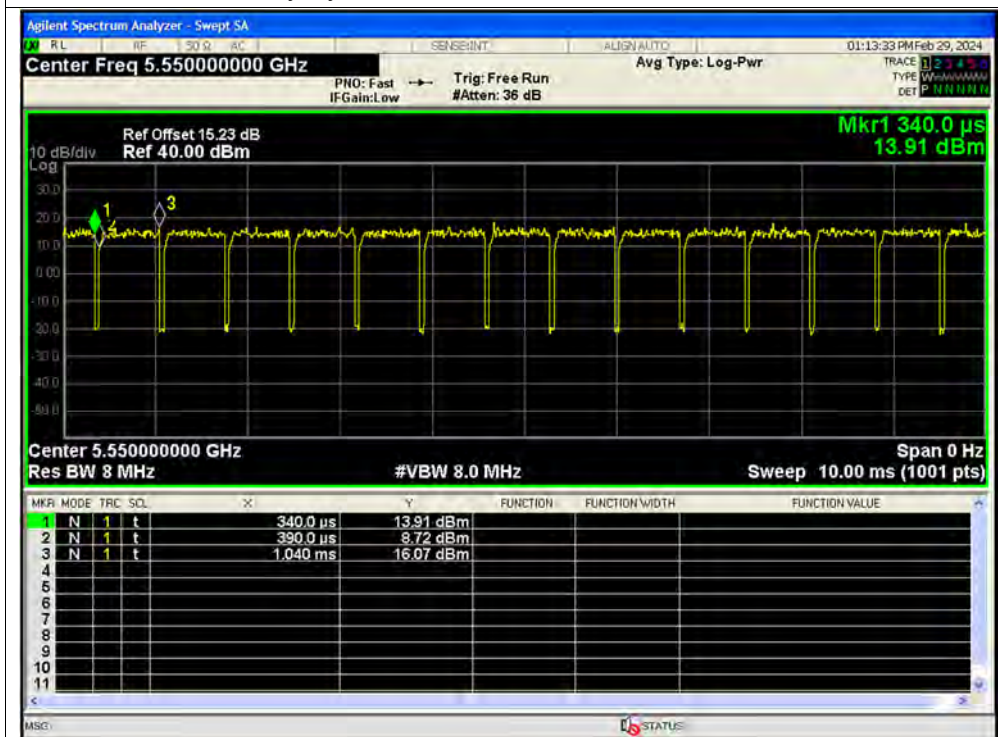




Duty Cycle NVNT ac40 5510MHz Ant1 SISO

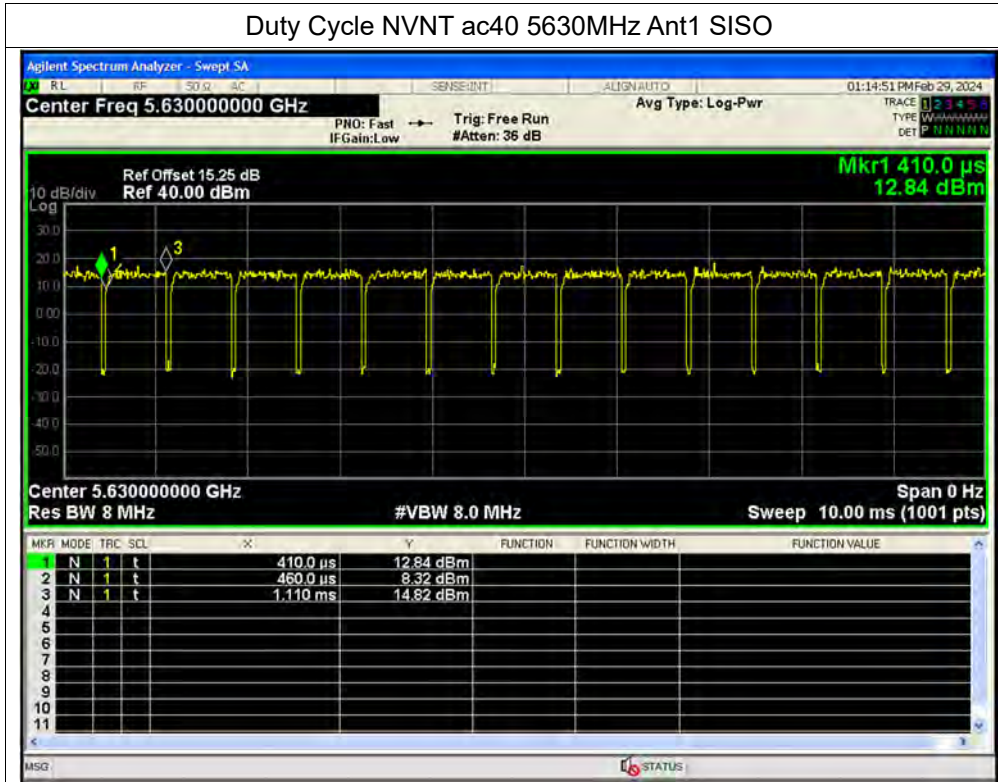


Duty Cycle NVNT ac40 5550MHz Ant1 SISO

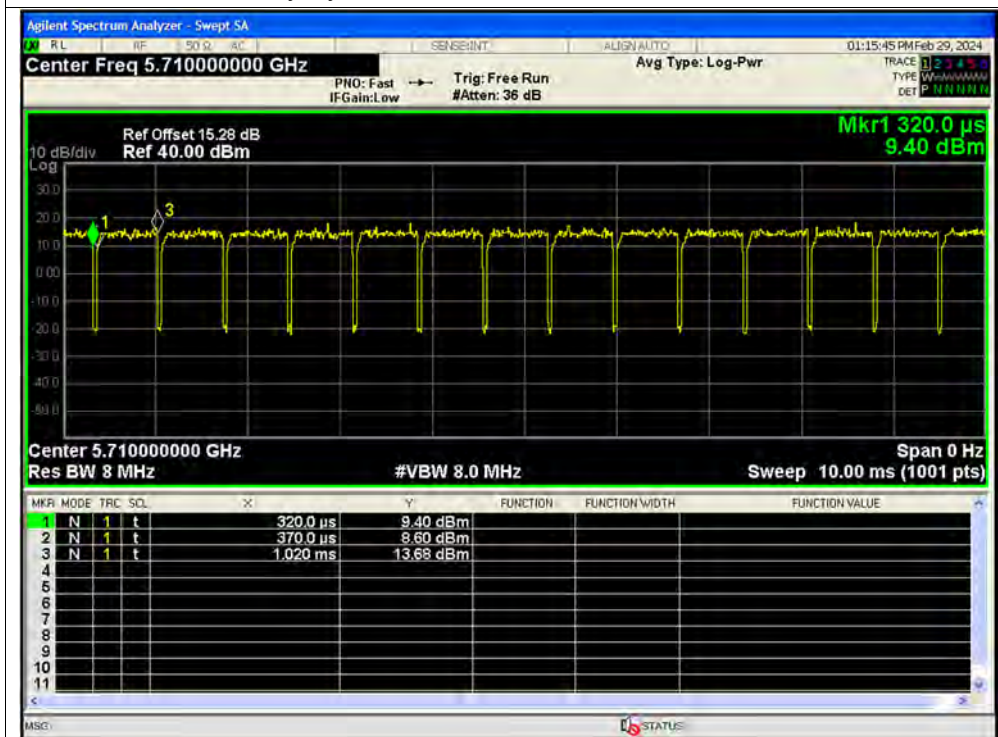




Duty Cycle NVNT ac40 5630MHz Ant1 SISO

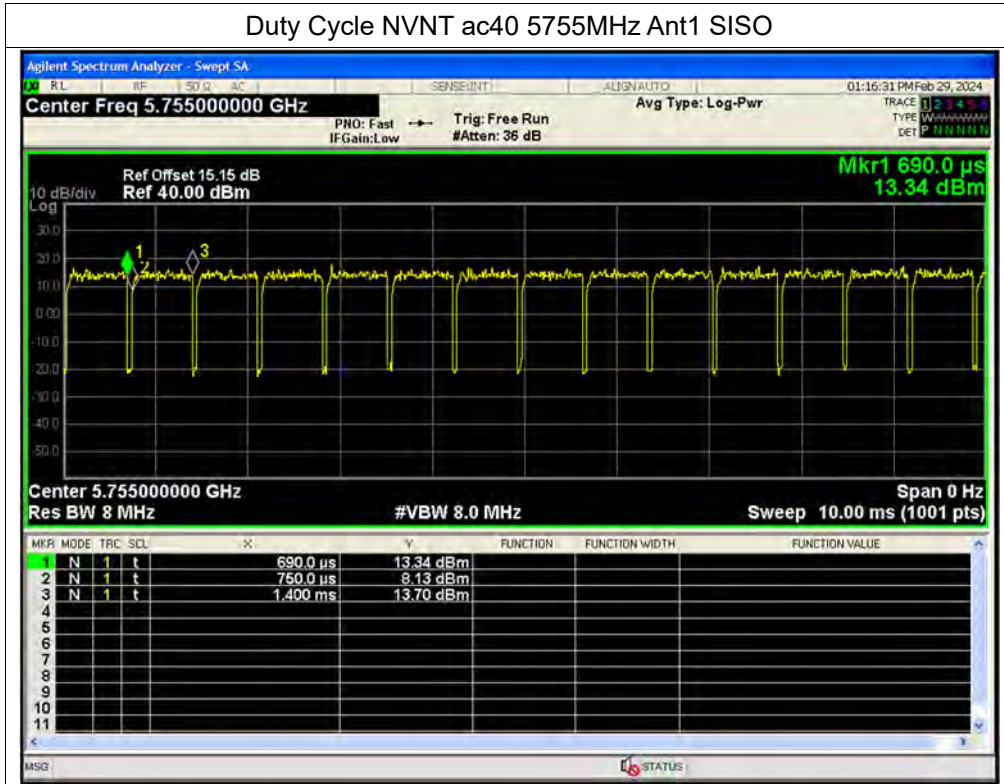


Duty Cycle NVNT ac40 5710MHz Ant1 SISO

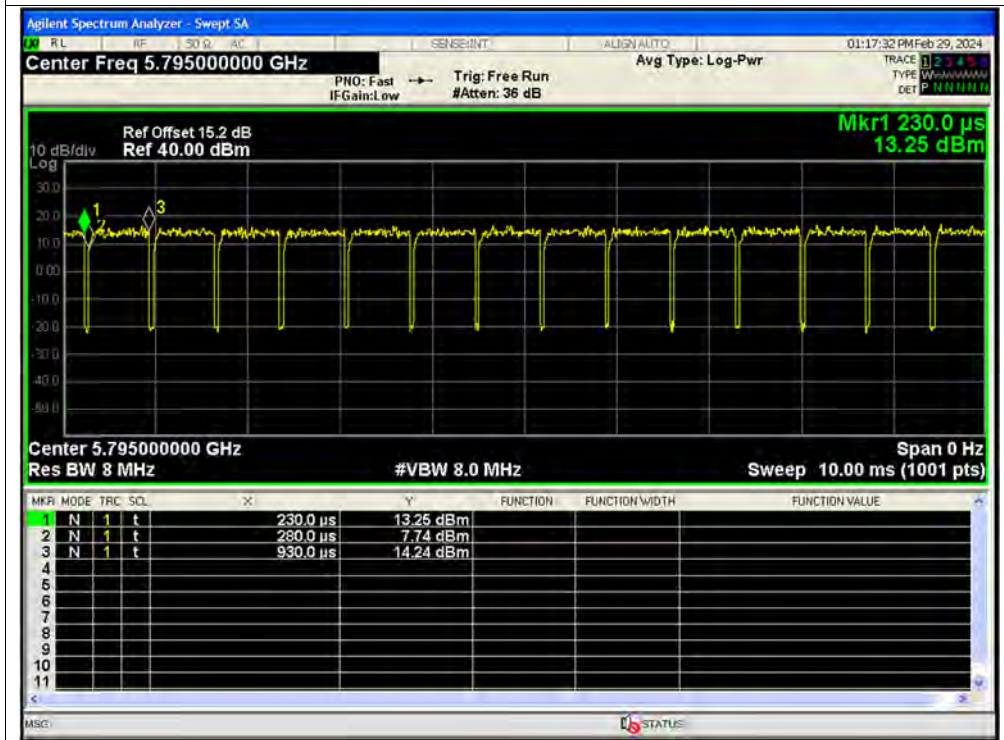




Duty Cycle NVNT ac40 5755MHz Ant1 SISO

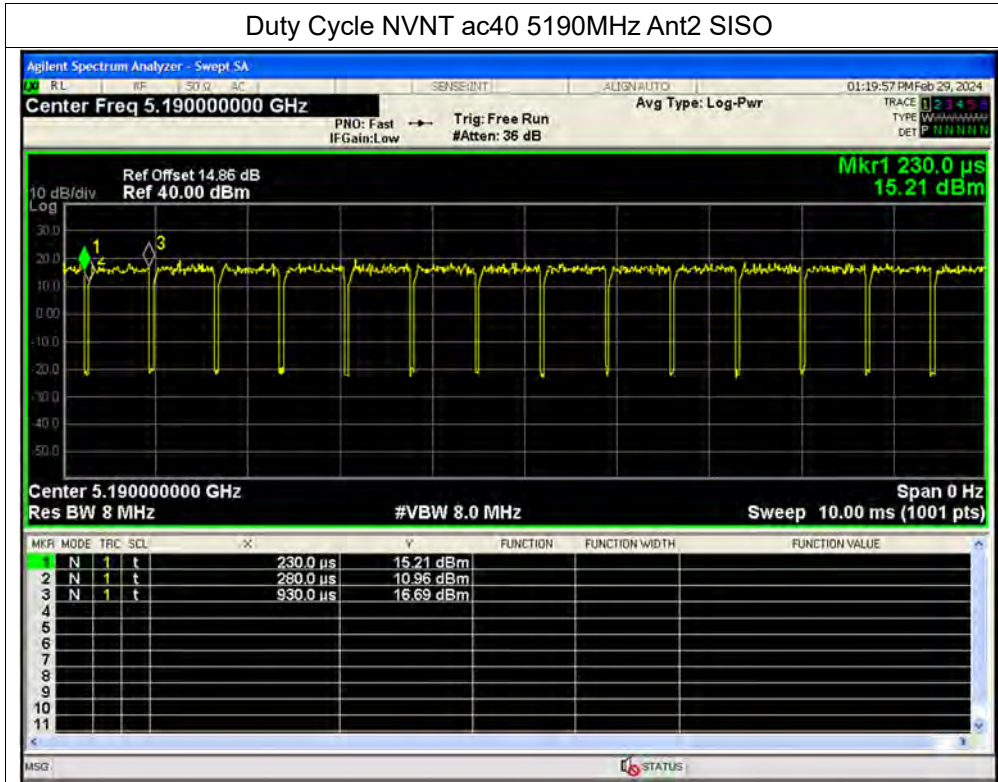


Duty Cycle NVNT ac40 5795MHz Ant1 SISO

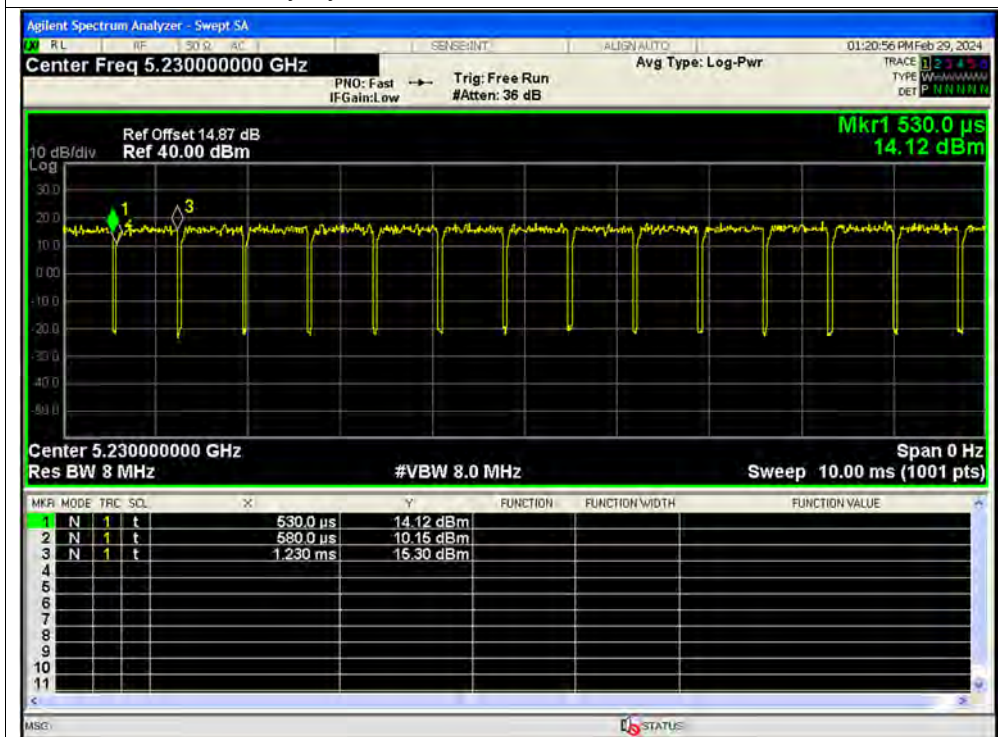




Duty Cycle NVNT ac40 5190MHz Ant2 SISO

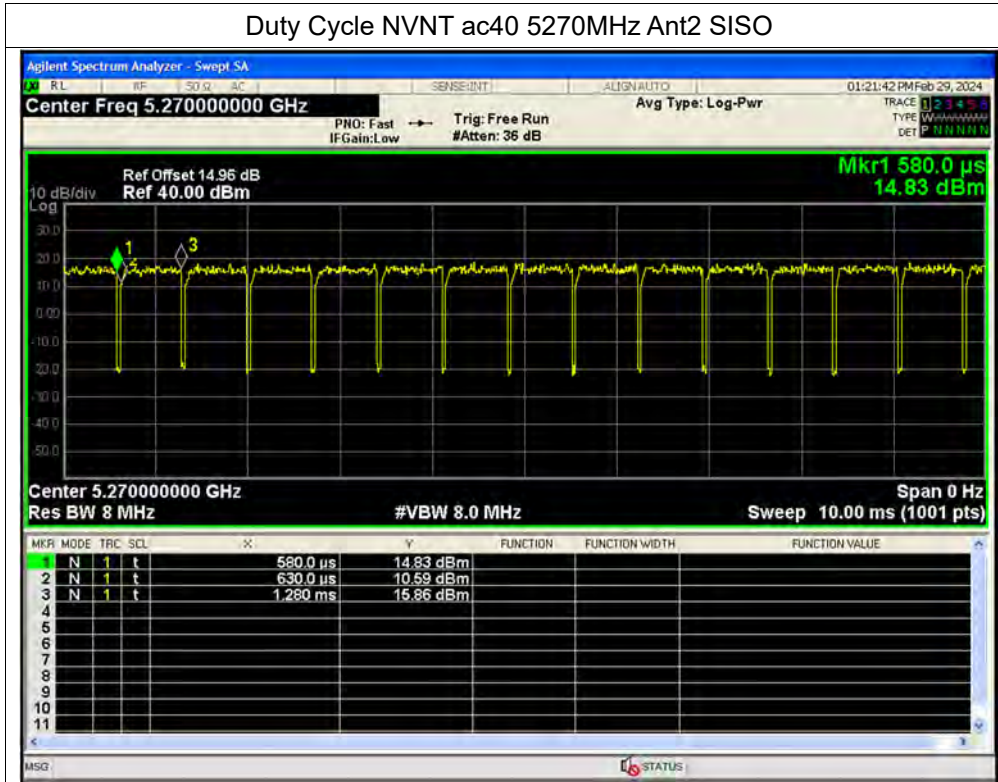


Duty Cycle NVNT ac40 5230MHz Ant2 SISO





Duty Cycle NVNT ac40 5270MHz Ant2 SISO



Duty Cycle NVNT ac40 5310MHz Ant2 SISO

