



REPORT No.: SZ24060156W03

TEST REPORT

APPLICANT : Shenzhen Mindray Bio-Medical
Electronics Co., Ltd.

PRODUCT NAME : AirSight

MODEL NAME : MP626WAC

BRAND NAME : mindray

FCC ID : ZLZ-TEARS

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2024-06-20

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Change History		
Version	Date	Reason for change
1.0	2024-08-29	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	N/A	Duty Cycle of Test Signal	Jul. 12, 2024	Su Xiaoxian	PASS	No deviation
3	15.247(b)	Maximum Peak Conducted Output Power	Jul. 12, 2024	Su Xiaoxian	PASS	No deviation
4	15.247(b)	Maximum Average Conducted Output Power	Jul. 12, 2024	Su Xiaoxian	PASS	No deviation
5	15.247(a)	Bandwidth	Jul. 12, 2024	Su Xiaoxian	PASS	No deviation
6	15.247(d)	Conducted Spurious Emission and Band Edge	Jul. 30, 2024	Su Xiaoxian	PASS	No deviation
7	15.247(e)	Power Spectral Density	Jul. 30, 2024	Su Xiaoxian	PASS	No deviation
8	15.207	Conducted Emission	Jun. 28, 2024	Wang Deyong	PASS	No deviation
9	15.247(d)	Restricted Frequency Bands	Jul. 24, 2024	Gao Jianrou	PASS	No deviation
10	15.209, 15.247(d)	Radiated Emission	Jul. 24, 2024	Gao Jianrou	PASS	No deviation

Note 1: All test items are tested and evaluated in the worse mode with reference to output power results.

Note 2: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013 and KDB 558074 D01 v05r02.

Note 3: 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 4: 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 C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2024.02.19	2025.02.18
Power Sensor	MY54180008	U2021XA	Agilent	2023.10.17	2024.10.16
Attenuator	MTJ6004-20	VAT-10+	MTJ Cooperation	N/A	N/A
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

1.2.2 Conducted Emission Test Equipment

Equipment	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	2024.05.30	2025.05.29
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2024.07.02	2025.07.01

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 Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	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	$\pm 2.22\text{dB}$	Confidence levels of 95%
Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	Confidence levels of 95%
Conducted Spurious Emission	$\pm 2.77\text{dB}$	Confidence levels of 95%
Restricted Frequency Bands	$\pm 5\%$	Confidence levels of 95%
Radiated Emission	$\pm 2.95\text{dB}$	Confidence levels of 95%
Conducted Emission	$\pm 2.44\text{dB}$	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
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FCC Designation Number	CN1192
FCC Test Firm Registration Number	226174



2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
Applicant Address	Mindray Building, Keji 12th Road South, High-Tech Industrial Park, Nanshan, Shenzhen, 518057, P.R. China
Manufacturer	Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
Manufacturer Address	Mindray Building, Keji 12th Road South, High-Tech Industrial Park, Nanshan, Shenzhen, 518057, P.R. China

2.2. Information of EUT

Product Name:	AirSight	
Sample No.:	1#	
Hardware Version:	V1.06	
Software Version:	MP626WAC_1.0.3_EQ01_SMT	
Modulation Technology:	DSSS, OFDM, OFDMA	
Modulation Type:	Refer to section 2.3	
Wireless Technology:	802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ax (HEW20), 802.11ax (HEW40)	
Operating Frequency Range:	2412MHz–2472MHz	
Antenna Type:	PIFA Antenna	
Antenna Gain:	ANT 1: 1.58dBi ANT 2: 1.58dBi	
Directional Gain:	4.59dBi _{Note 2}	
Accessory Information:	Battery	
	Brand Name:	mindray
	Model No.:	MP626
	Serial No.:	N/A
	Rated Capacity:	4500mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	JIAD ENERGY TECHNOLOGY (ZHUHAI) CO LTD



Accessory Information:	AC Adapter	
	Brand Name:	N/A
	Model No.:	UES33LCPU-SPC
	Serial No.:	N/A
	Rated Output:	5.0V=3.0A, 9.0V=3.0A, 12.0V=2.5A, 15.0V=2.2A, 20.0V=1.65A
	Rated Input:	100-240V~50/60Hz, 0.9A
	Manufacturer:	Dongguan Shilong Fuhua Electronic Co., Ltd.

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

Modulation Mode:	TX Function
802.11b/g	1TX
802.11n	2TX
802.11ax	2TX

Note 2: According to KDB 662911 D01, the directional gain = $10\log[(10^{G1/20} + 10^{G2/20})^2/2] = 4.58\text{dBi}$.

Note 3: All radiation test items for 802.11n 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(ANT 1) in this report.

Note 4: 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

Nominal Channel Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442		
Nominal Channel Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
40MHz	3	2422	8	2447
	4	2427	9	2452
	5	2432	10	2457
	6	2437	11	2462
	7	2442		

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	Power Setting
802.11b	20	DSSS	DBPSK	1/2/5.5/11Mbps	N/A	15
			DQPSK			
			CCK			
802.11g	20	OFDM	BPSK	6/9/12/18/24/36/48/54Mbps	N/A	13
			QPSK			
			16QAM			
			64QAM			
802.11n	20 (HT20)	OFDM	BPSK	MCS0~MCS7	N/A	12
			QPSK			
			16QAM			
			64QAM			
802.11ax	20/40 (HEW20/40)	OFDM/ OFDMA	BPSK	MSC0~MCS11	26/52/106/242	10
			QPSK			
			16QAM			
			64QAM			
			256QAM			
			1024QAM			

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.

Note2: The RF signal transmission of EUT is controlled by the build-in engineering mode which is provided by the manufacturer. The recorded power setting value is the maximum that the engineering mode has configuration during testing.

**2.4.2.802.11ax RU Allocation**

BW (MHz)	RU Size			User	RU Offset	Power Setting
	Full (Tone)	Partial				
		(Tone)	BW (MHz)			
20	242	26	2	9	@0/1/2/3/4/5/6/7/8	10
		52	4	4	@37/38/39/40	
		106	8	2	@53/54	
40	484	26	2	18	@0/1/2.....15/16/17	10
		52	4	8	@37/38/39/40/41/42/43/44	
		106	8	4	@53/54/55/56	
		242	20	2	@61/62	

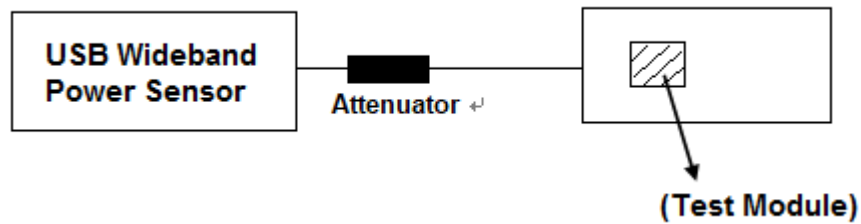
2.5. Test Conditions

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

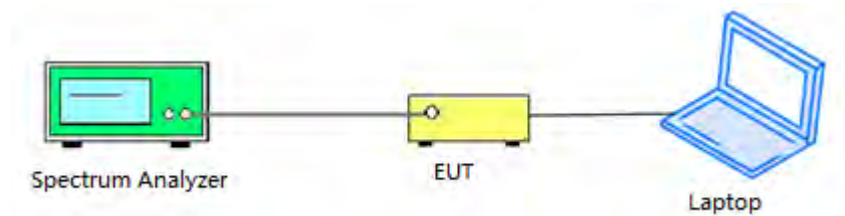
2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

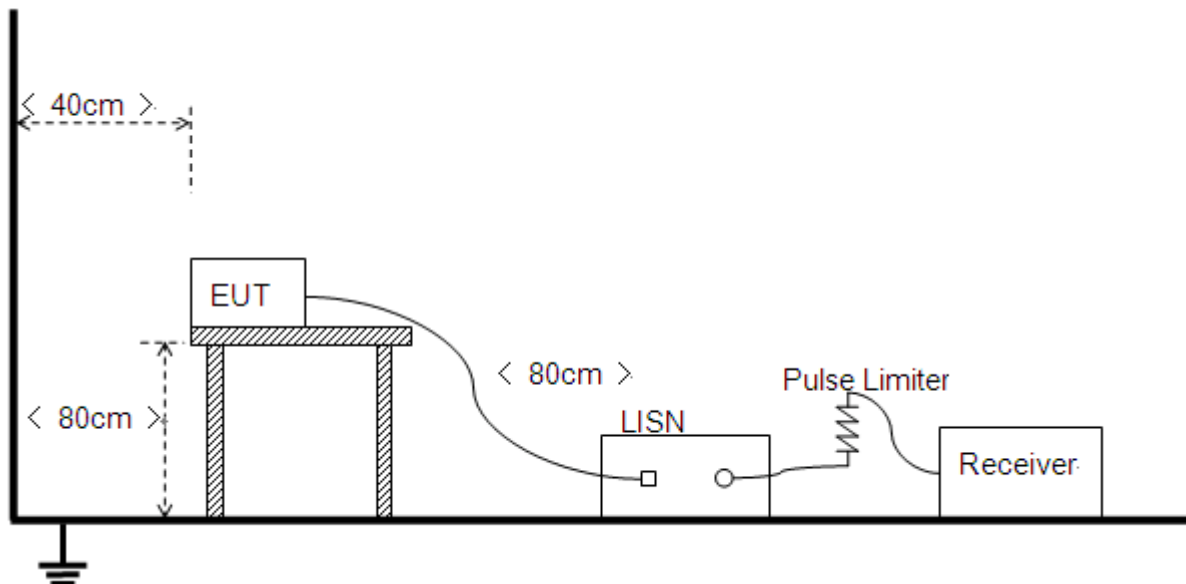
Power item



Other items

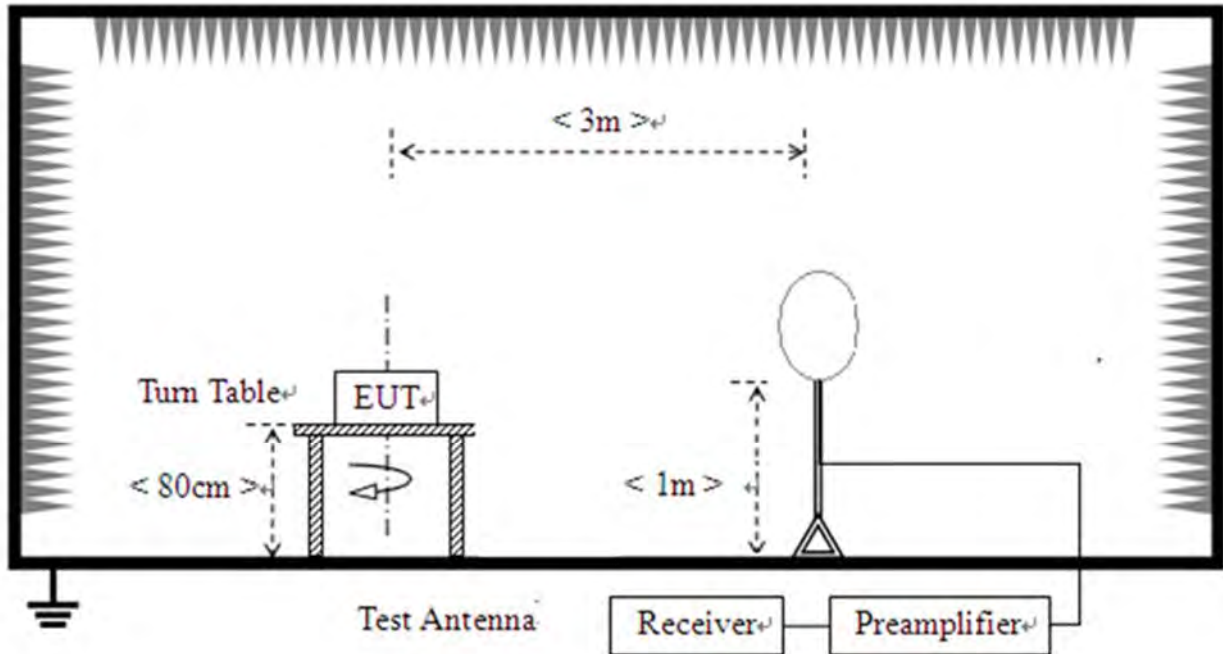


2.6.2. Conducted Emission Measurement

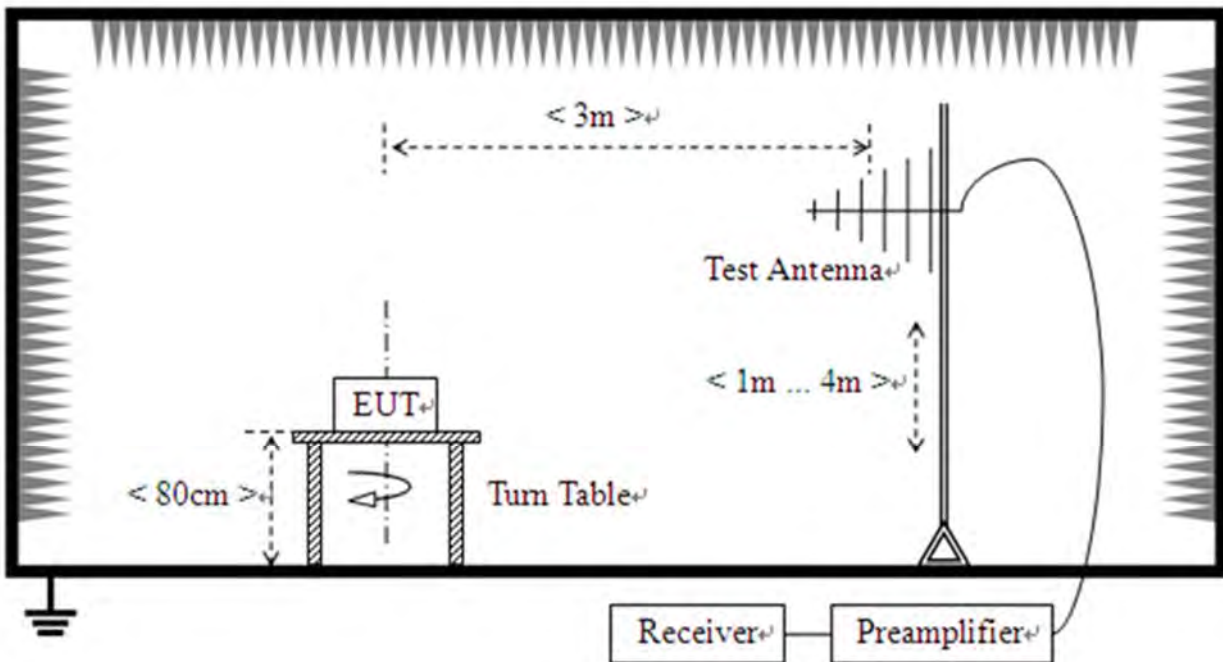


2.6.3.Radiation Measurement

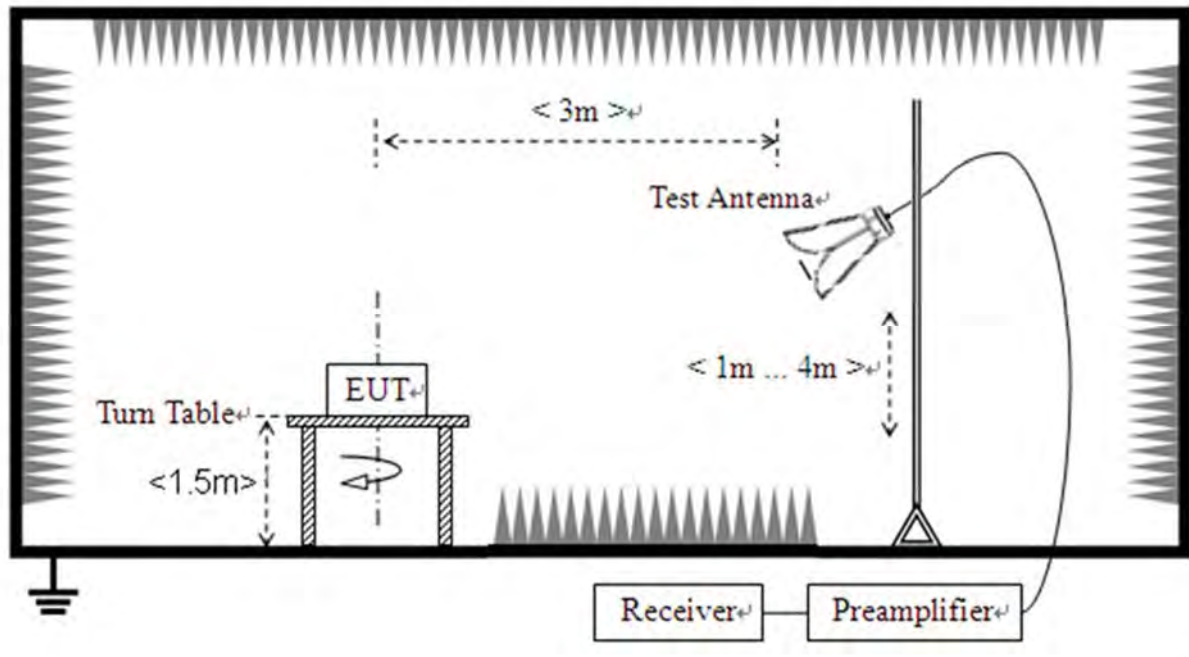
1) For radiated emissions from 9kHz to 30MHz



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

Antenna location	Antenna Type	Coupling Method
☒ Internal ☐ External	☐ FPC Antenna ☐ Spring Antenna ☐ Ceramic Antenna ☐ Integrated Antenna ☐ Dipole Antenna ☐ PCB Antenna ☒ PIFA Antenna	☐ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☒ Metal Shrapnel

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 Peak and Average Conducted Output Power

3.3.1. Requirement

According to FCC section 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: The maximum conducted output power of the intentional radiator shall not exceed 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in above of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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.

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 and A.3 in this report.



3.4.6 dB Bandwidth

3.4.1.Requirement

According to FCC section 15.247(a) (2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz.

3.4.1.Test Procedures

KDB 558074 Section 8.2 was used in order to prove compliance.

3.4.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.3.Test Result

Refer to Annex A.4 in this report.



3.5. Conducted Spurious Emissions and Band Edge

3.5.1. Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.5.2. Test Procedures

KDB 558074 Section 8.5 and 8.7 was used in order to prove compliance.

3.5.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4. Test Result

Refer to Annex A.5 and A.6 in this report.



3.6. Power Spectral Density

3.6.1. Requirement

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

3.6.2. Test Procedures

The measured power spectral density was calculated by the reading of the spectrum analyzer and calibration. Following is the test procedure for PSD test:

- a) Set analyzer center frequency to channel center frequency
- b) Set span to 1.5 times DTS
- c) Set RBW to 30kHz
- d) Set VBW to 100kHz
- e) Detector = peak
- f) Sweep time = auto couple
- g) Trace mode = max hold
- h) Allow trace to fully stabilize
- i) Use the peak marker function to determine the maximum amplitude level and recorded as PD
- j) Use below formula to calculate the Conducted PSD value that at specified RBW:

Conducted PSD = PD - 10lg(30k/3k)

3.6.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4. Test Result

Refer to Annex A.7 in this report.

3.7. Conducted Emission

3.7.1. 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.

3.7.2. 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.

3.7.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.7.4. Test Result

Refer to Annex A.8 in this report.

3.8. Restricted Frequency Bands

3.8.1. Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

3.8.2. 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.

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.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$

VBW = 3 MHz

Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.8.3. Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.8.4. Test Result

Refer to Annex A.9 in this report.



3.9. Radiated Emission

3.9.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

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 ($\mu\text{V/m}$)	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

Note1: 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.

Note2: For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK). 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 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.

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.10 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	b SISO	2412	Ant1	98.29	0.08	1.45
NVNT	b SISO	2442	Ant1	99.14	0.04	1.44
NVNT	b SISO	2472	Ant1	99.57	0.02	0.72
NVNT	b SISO	2412	Ant2	98.29	0.08	1.45
NVNT	b SISO	2442	Ant2	98.29	0.08	1.45
NVNT	b SISO	2472	Ant2	98.29	0.07	1.45
NVNT	g SISO	2412	Ant1	99.24	0.03	0.48
NVNT	g SISO	2442	Ant1	99.24	0.03	0.48
NVNT	g SISO	2472	Ant1	99.24	0.03	0.48
NVNT	g SISO	2412	Ant2	99.24	0.03	0.48
NVNT	g SISO	2442	Ant2	99.34	0.03	0.48
NVNT	g SISO	2472	Ant2	99.24	0.03	0.48
NVNT	n20 SISO	2412	Ant1	99.74	0.01	0.19
NVNT	n20 SISO	2442	Ant1	99.7	0.01	0.19
NVNT	n20 SISO	2472	Ant1	99.7	0.01	0.19
NVNT	n20 SISO	2412	Ant2	99.7	0.01	0.19
NVNT	n20 SISO	2442	Ant2	99.7	0.01	0.19
NVNT	n20 SISO	2472	Ant2	99.7	0.01	0.19
NVNT	n20 MIMO	2412	Sum	99.7	0.01	0.19
NVNT	n20 MIMO	2442	Sum	99.7	0.01	0.19
NVNT	n20 MIMO	2472	Sum	99.7	0.01	0.19
NVNT	n40 SISO	2422	Ant1	99.7	0.01	0.19
NVNT	n40 SISO	2442	Ant1	99.7	0.01	0.19
NVNT	n40 SISO	2462	Ant1	99.74	0.01	0.19
NVNT	n40 SISO	2422	Ant2	99.74	0.01	0.19
NVNT	n40 SISO	2442	Ant2	99.7	0.01	0.19
NVNT	n40 SISO	2462	Ant2	99.74	0.01	0.19
NVNT	n40 MIMO	2422	Sum	99.7	0.01	0.19
NVNT	n40 MIMO	2442	Sum	99.74	0.01	0.19
NVNT	n40 MIMO	2462	Sum	99.7	0.01	0.19
NVNT	ax20 SISO	2412	Ant1	99.74	0.01	0.19
NVNT	ax20 SISO	2442	Ant1	99.74	0.01	0.19



NVNT	ax20 SISO	2472	Ant1	99.7	0.01	0.19
NVNT	ax20 SISO	2412	Ant2	99.7	0.01	0.19
NVNT	ax20 SISO	2442	Ant2	99.7	0.01	0.19
NVNT	ax20 SISO	2472	Ant2	99.7	0.01	0.19
NVNT	ax20 MIMO	2412	Sum	99.74	0.01	0.19
NVNT	ax20 MIMO	2442	Sum	99.7	0.01	0.19
NVNT	ax20 MIMO	2472	Sum	99.74	0.01	0.19
NVNT	ax40 SISO	2422	Ant1	99.67	0.01	0.21
NVNT	ax40 SISO	2442	Ant1	99.71	0.01	0.21
NVNT	ax40 SISO	2462	Ant1	99.67	0.01	0.21
NVNT	ax40 SISO	2422	Ant2	99.67	0.01	0.21
NVNT	ax40 SISO	2442	Ant2	99.71	0.01	0.21
NVNT	ax40 SISO	2462	Ant2	99.67	0.01	0.21
NVNT	ax40 MIMO	2422	Sum	99.67	0.01	0.21
NVNT	ax40 MIMO	2442	Sum	99.67	0.01	0.21
NVNT	ax40 MIMO	2462	Sum	99.67	0.01	0.21
NVNT	ax20 26@0 SISO	2412	Ant1	99.61	0.02	0.2
NVNT	ax20 26@0 SISO	2412	Ant2	99.61	0.02	0.2
NVNT	ax20 26@0 MIMO	2412	Sum	99.61	0.02	0.2
NVNT	ax20 26@4 SISO	2442	Ant1	99.61	0.02	0.2
NVNT	ax20 26@4 SISO	2442	Ant2	99.61	0.02	0.2
NVNT	ax20 26@4 MIMO	2442	Sum	99.57	0.02	0.2
NVNT	ax20 26@8 SISO	2472	Ant1	99.61	0.02	0.2
NVNT	ax20 26@8 SISO	2472	Ant2	99.61	0.02	0.2
NVNT	ax20 26@8 MIMO	2472	Sum	99.57	0.02	0.2
NVNT	ax20 52@37 SISO	2412	Ant1	99.61	0.02	0.2
NVNT	ax20 52@37 SISO	2412	Ant2	99.57	0.02	0.2
NVNT	ax20 52@37 MIMO	2412	Sum	99.61	0.02	0.2
NVNT	ax20 52@38 SISO	2442	Ant1	99.61	0.02	0.2
NVNT	ax20 52@38 SISO	2442	Ant2	99.61	0.02	0.2
NVNT	ax20 52@38 MIMO	2442	Sum	99.61	0.02	0.2
NVNT	ax20 52@40 SISO	2472	Ant1	99.61	0.02	0.2
NVNT	ax20 52@40 SISO	2472	Ant2	99.61	0.02	0.2
NVNT	ax20 52@40 MIMO	2472	Sum	99.61	0.02	0.2
NVNT	ax20 106@53 SISO	2412	Ant1	99.18	0.04	0.38
NVNT	ax20 106@53 SISO	2412	Ant2	99.25	0.03	0.38
NVNT	ax20 106@53 MIMO	2412	Sum	99.18	0.04	0.38
LVL	ax20 106@53 SISO	2442	Ant1	99.18	0.04	0.38



LVL	ax20 106@53 SISO	2442	Ant2	99.25	0.03	0.38
LVL	ax20 106@53 MIMO	2442	Sum	99.25	0.03	0.38
LVL	ax20 106@54 SISO	2472	Ant1	99.58	0.02	0.21
LVL	ax20 106@54 SISO	2472	Ant2	99.54	0.02	0.21
LVL	ax20 106@54 MIMO	2472	Sum	99.58	0.02	0.21
LVL	ax40 26@0 SISO	2422	Ant1	99.61	0.02	0.2
LVL	ax40 26@0 SISO	2442	Ant1	99.61	0.02	0.2
LVL	ax40 26@0 SISO	2462	Ant1	99.61	0.02	0.2
LVL	ax40 26@0 SISO	2422	Ant2	99.61	0.02	0.2
LVL	ax40 26@0 SISO	2442	Ant2	99.61	0.02	0.2
LVL	ax40 26@0 SISO	2462	Ant2	99.61	0.02	0.2
LVL	ax40 26@0 MIMO	2422	Sum	99.61	0.02	0.2
LVL	ax40 26@0 MIMO	2442	Sum	99.61	0.02	0.2
LVL	ax40 26@0 MIMO	2462	Sum	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2422	Ant1	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2442	Ant1	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2462	Ant1	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2422	Ant2	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2442	Ant2	99.61	0.02	0.2
LVL	ax40 52@37 SISO	2462	Ant2	99.57	0.02	0.2
LVL	ax40 52@37 MIMO	2422	Sum	99.61	0.02	0.2
LVL	ax40 52@37 MIMO	2442	Sum	99.57	0.02	0.2
LVL	ax40 52@37 MIMO	2462	Sum	99.61	0.02	0.2
LVL	ax40 106@53 SISO	2422	Ant1	99.18	0.04	0.38
LVL	ax40 106@53 SISO	2442	Ant1	99.25	0.03	0.38
LVL	ax40 106@53 SISO	2462	Ant1	99.25	0.03	0.38
LVL	ax40 106@53 SISO	2422	Ant2	99.25	0.03	0.38
LVL	ax40 106@53 SISO	2442	Ant2	99.25	0.03	0.38
LVL	ax40 106@53 SISO	2462	Ant2	99.18	0.04	0.38
LVL	ax40 106@53 MIMO	2422	Sum	99.25	0.03	0.38
LVL	ax40 106@53 MIMO	2442	Sum	99.25	0.03	0.38
LVL	ax40 106@53 MIMO	2462	Sum	99.25	0.03	0.38
LVL	ax40 242@61 SISO	2422	Ant1	98.36	0.07	0.84
LVL	ax40 242@61 SISO	2442	Ant1	98.36	0.07	0.84
LVL	ax40 242@61 SISO	2462	Ant1	98.36	0.07	0.84
LVL	ax40 242@61 SISO	2422	Ant2	98.36	0.07	0.84
LVL	ax40 242@61 SISO	2442	Ant2	98.36	0.07	0.84
LVL	ax40 242@61 SISO	2462	Ant2	98.36	0.07	0.84



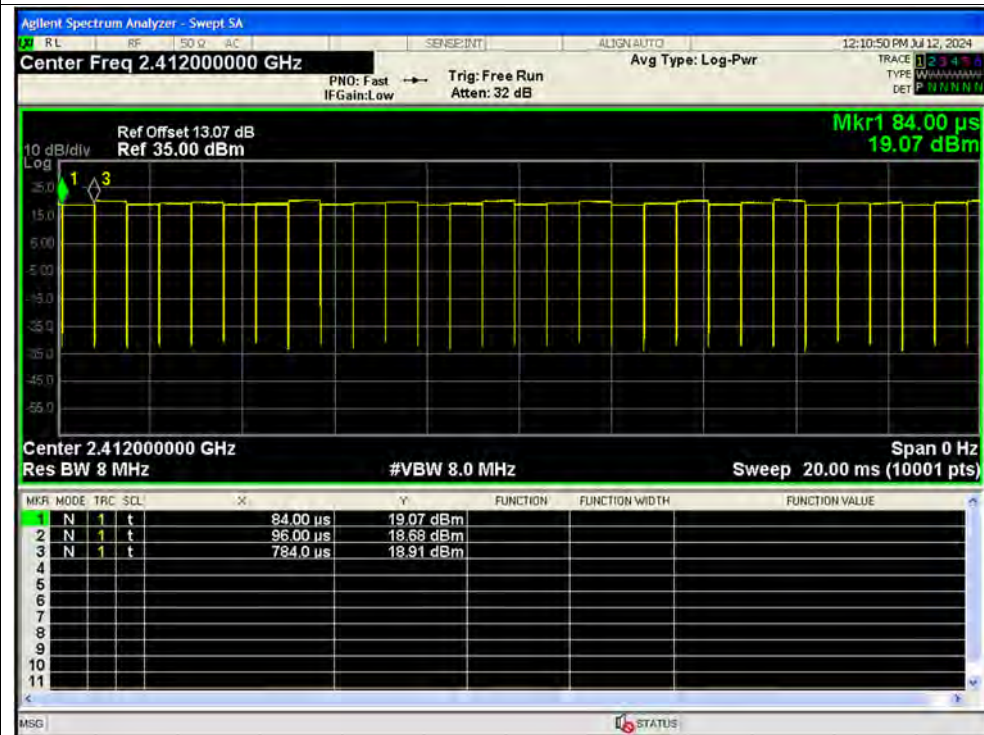
REPORT No.: SZ24060156W03

LVL	ax40 242@61 MIMO	2422	Sum	98.19	0.08	0.84
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LVL	ax40 242@61 MIMO	2462	Sum	98.19	0.08	0.84

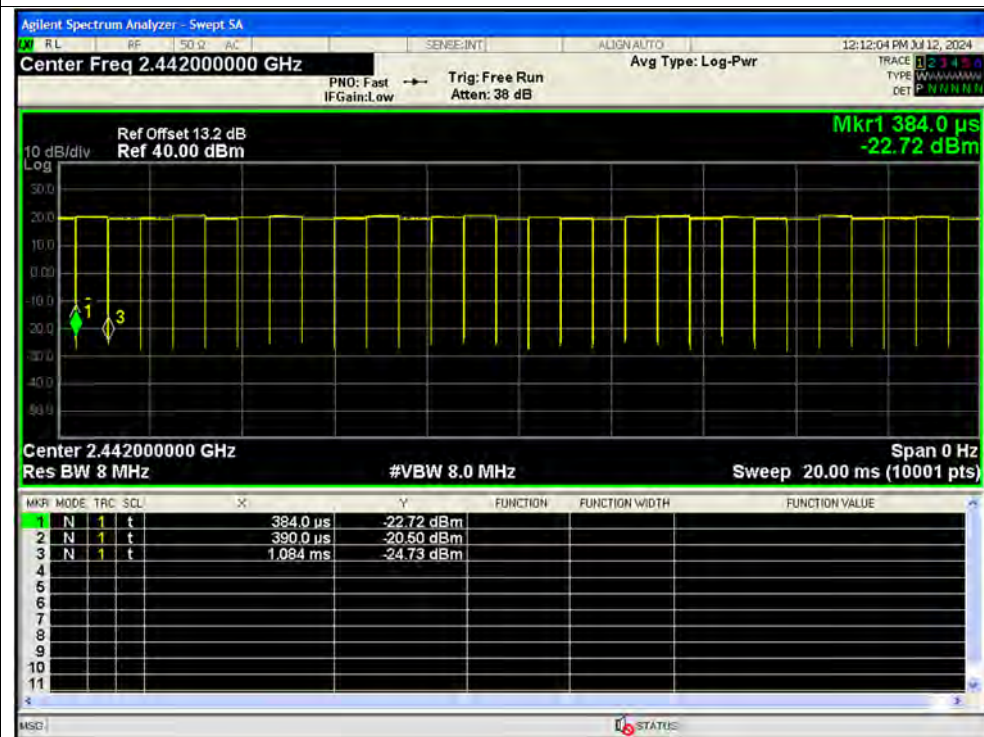


Test Graphs

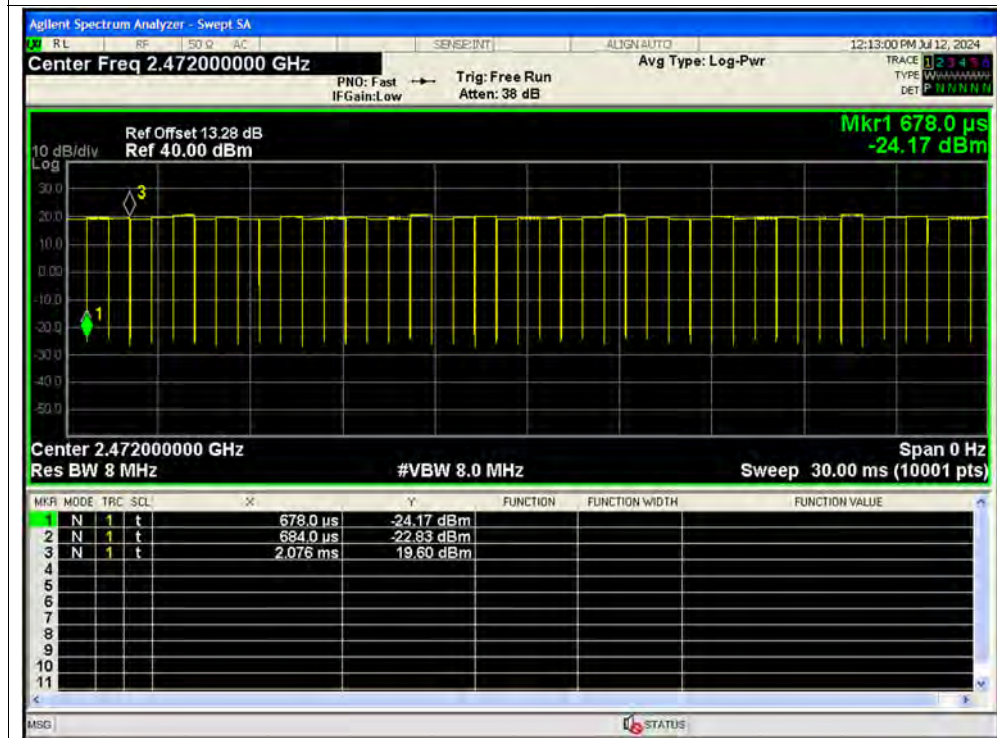
Duty Cycle NVNT b 2412MHz Ant1 SISO



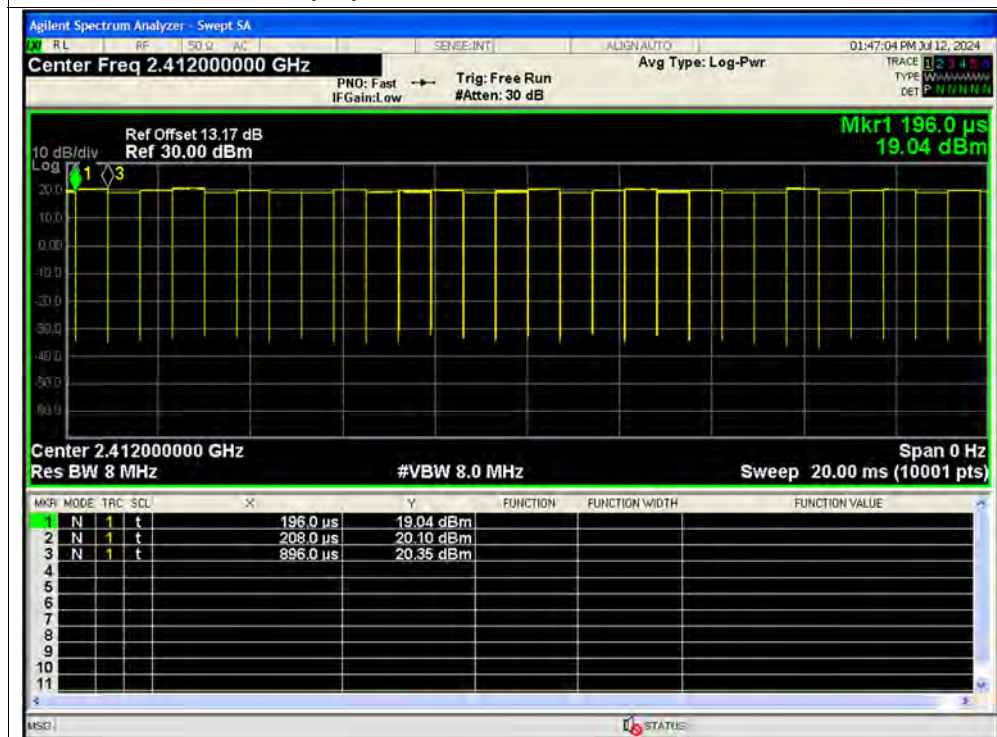
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Duty Cycle NVNT b 2472MHz Ant1 SISO

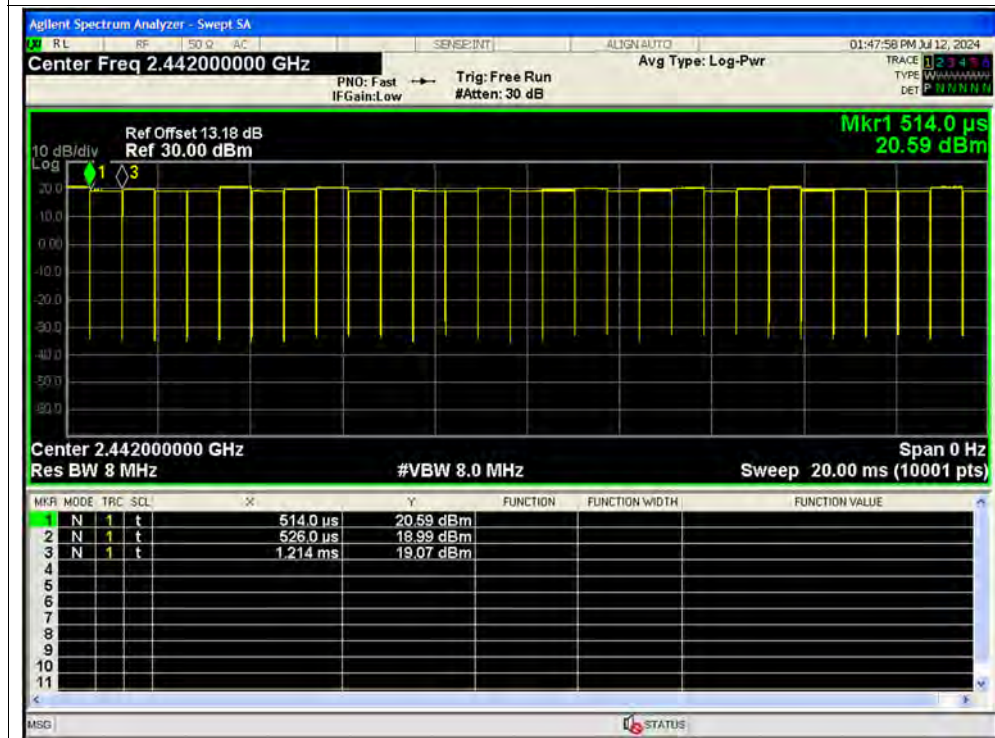


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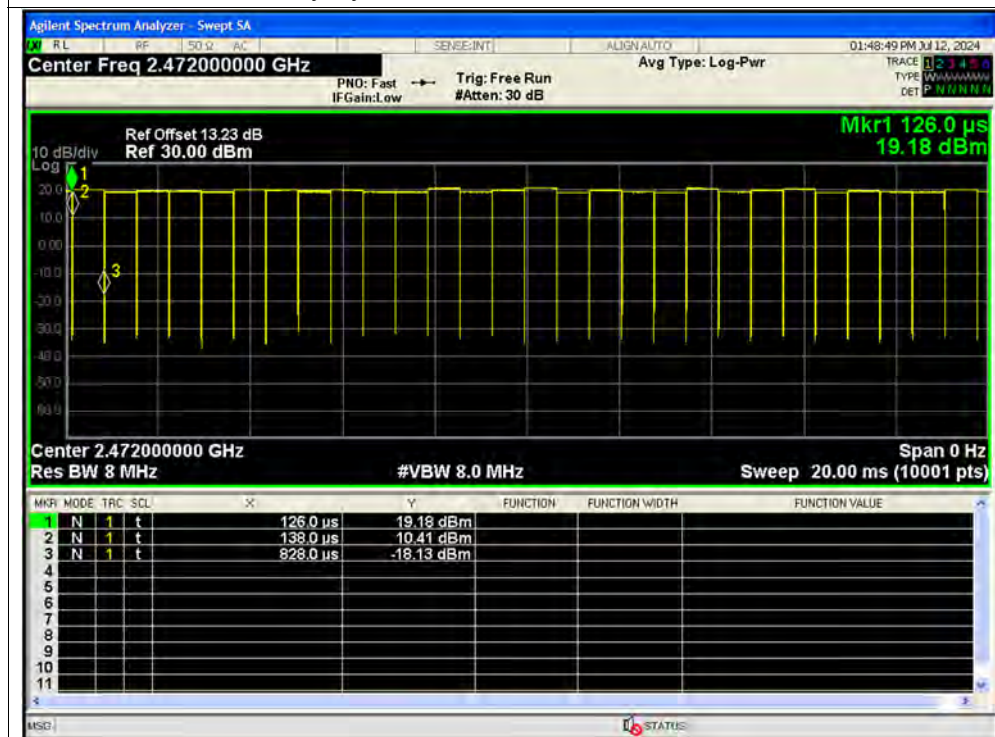




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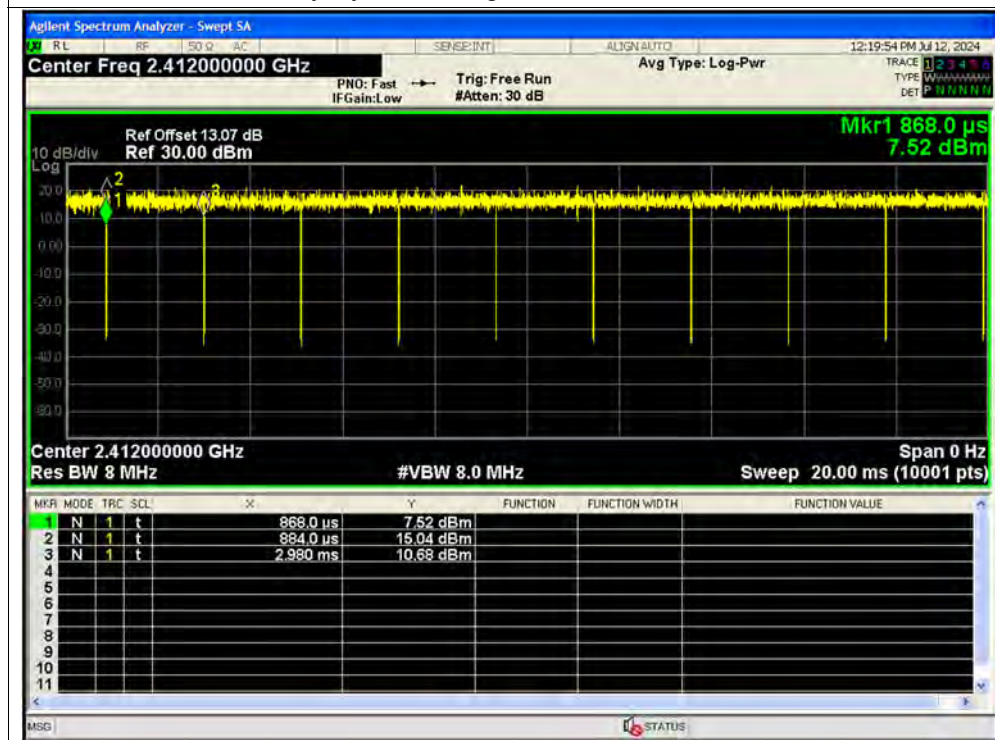


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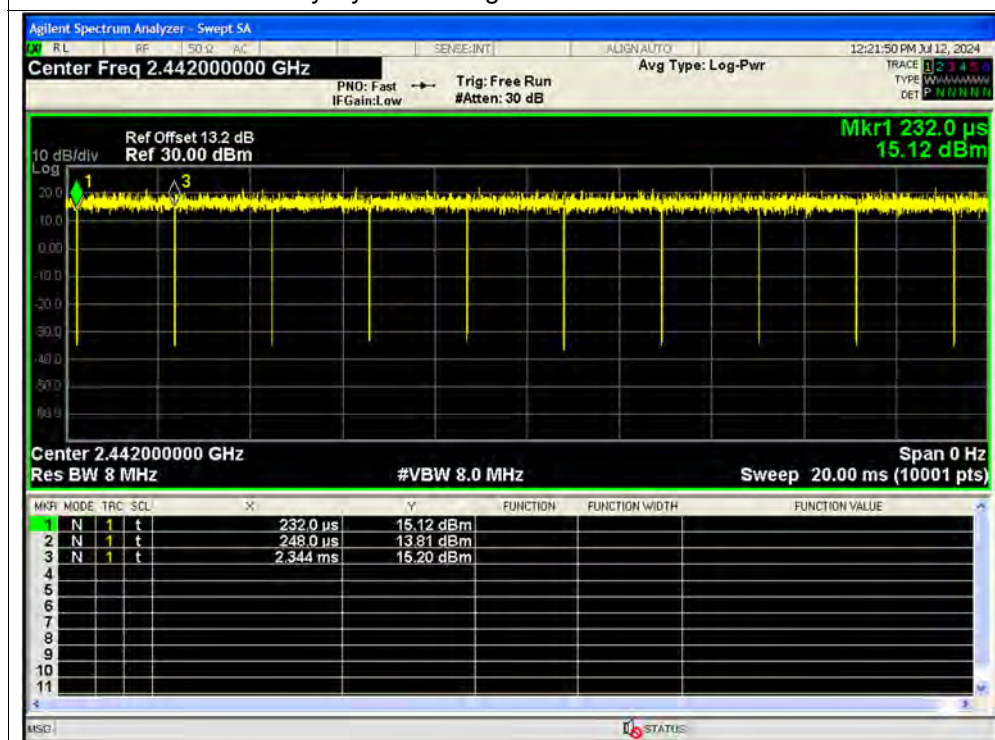




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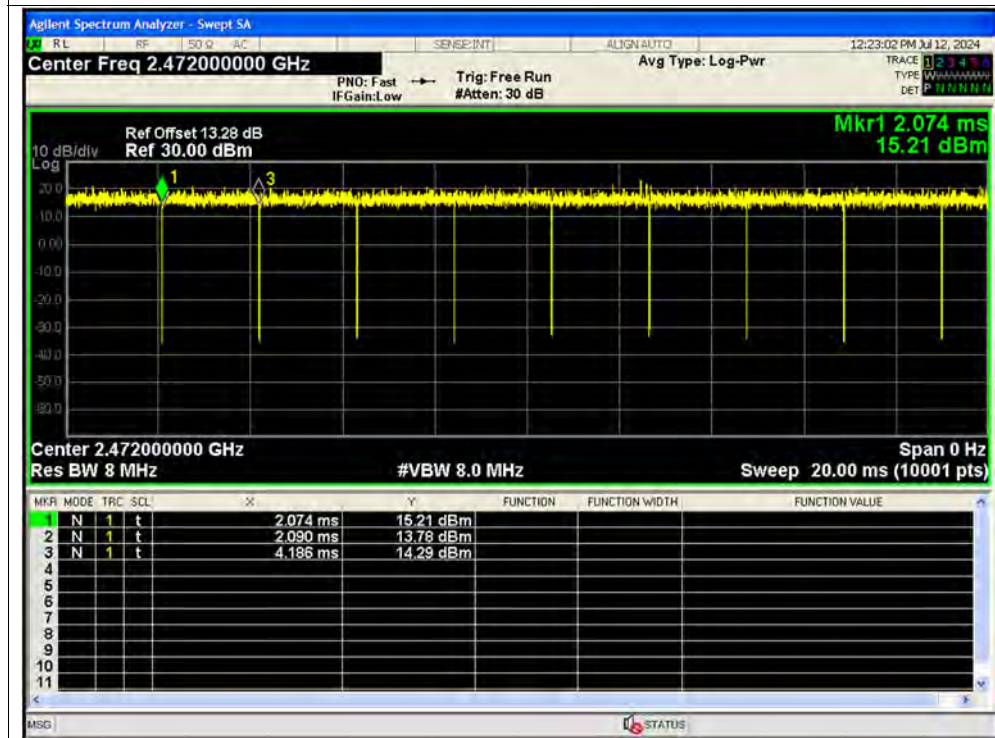


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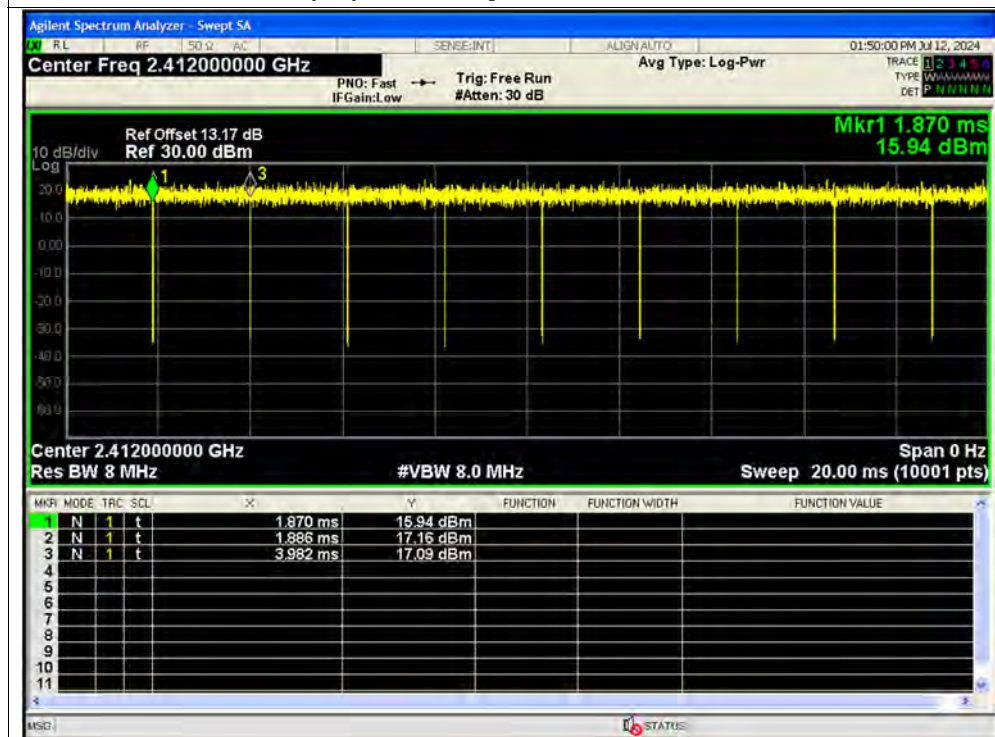




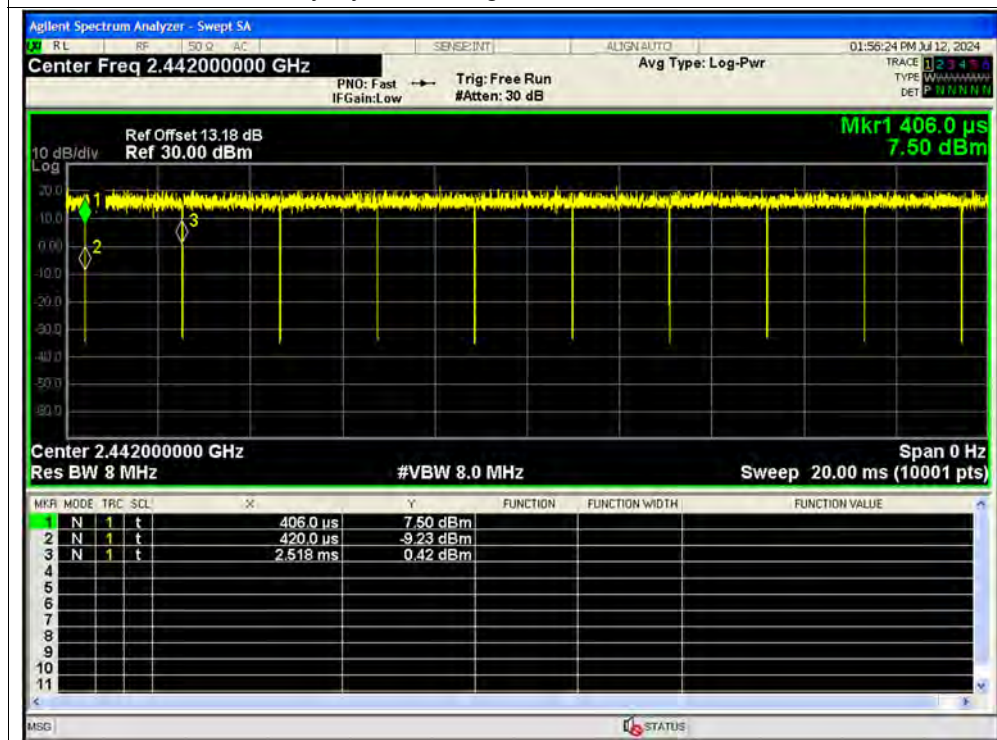
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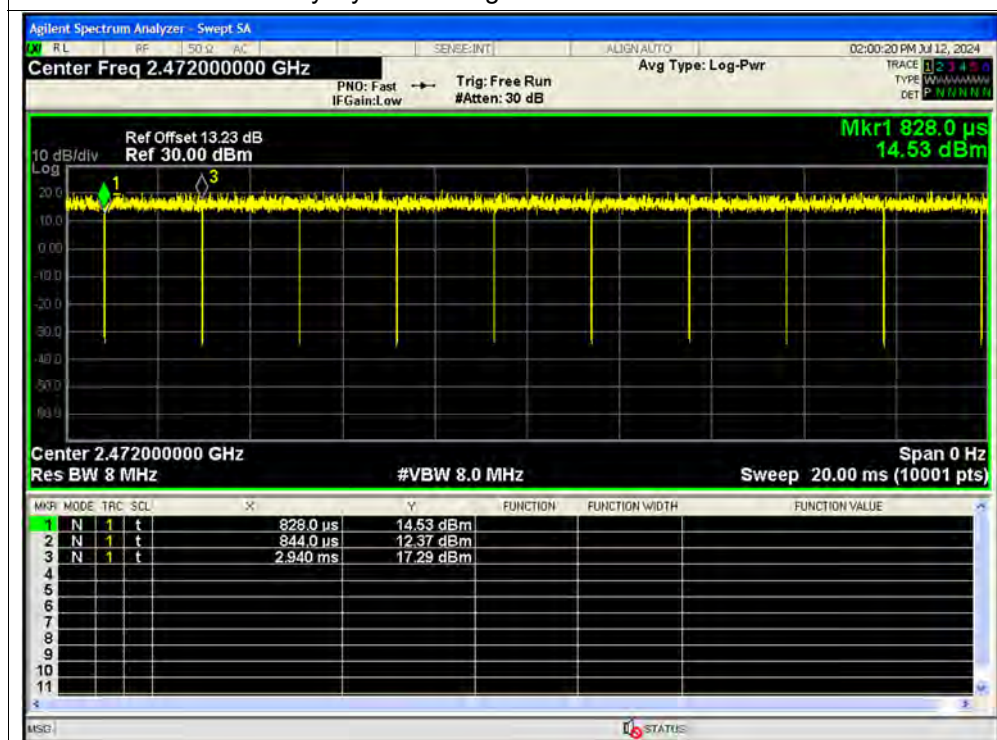
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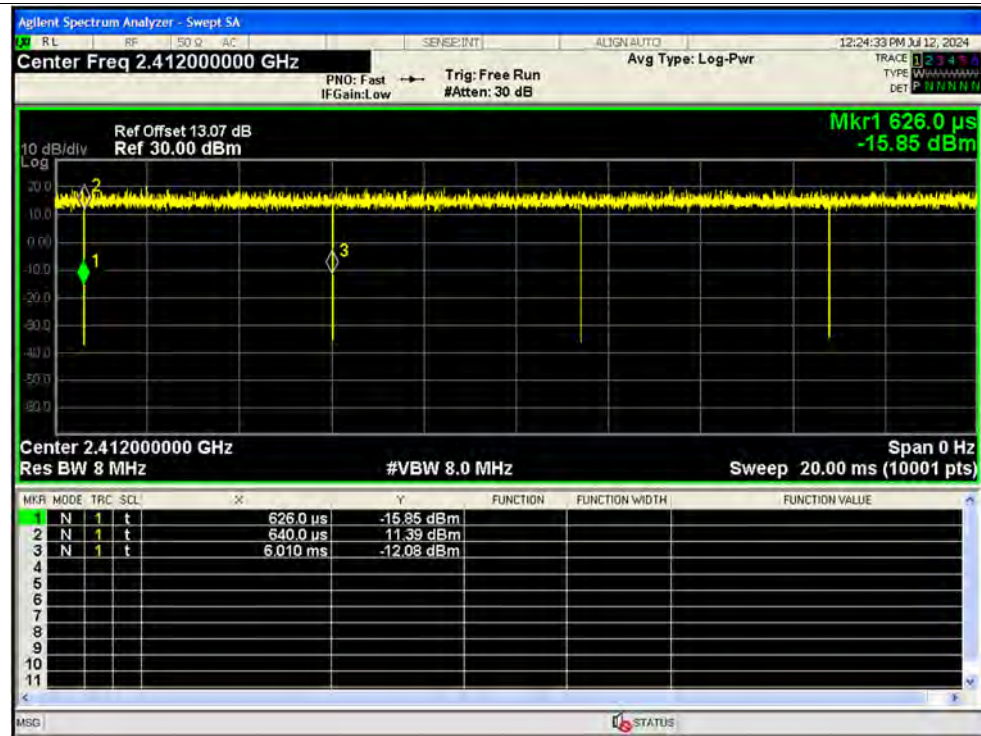
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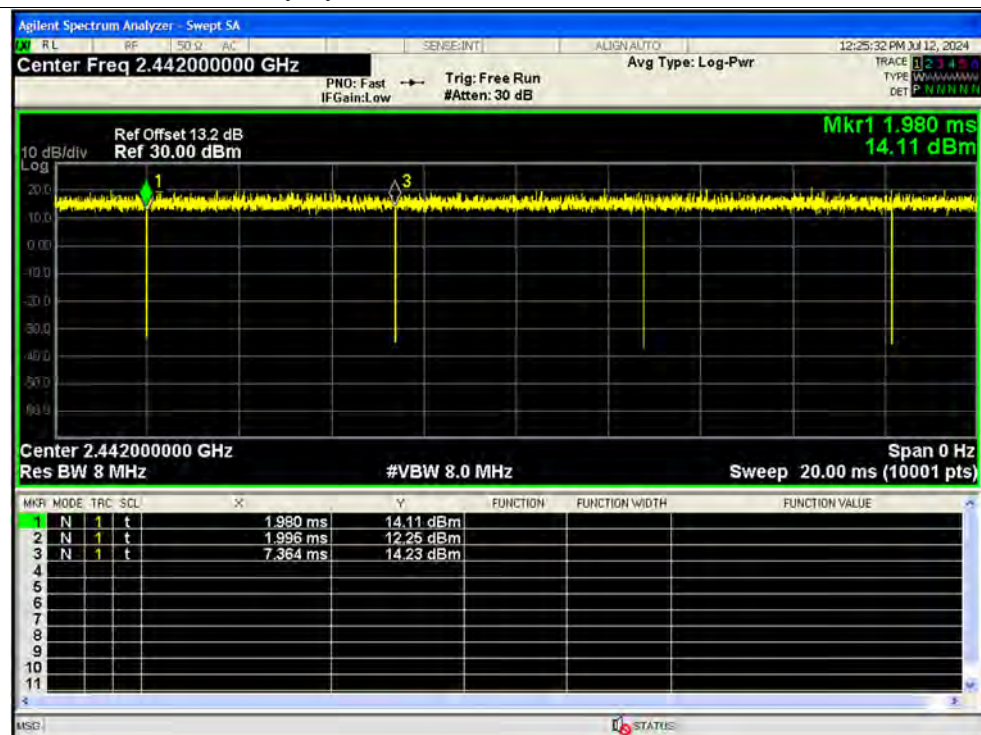
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Duty Cycle NVNT n20 2412MHz Ant1 SISO

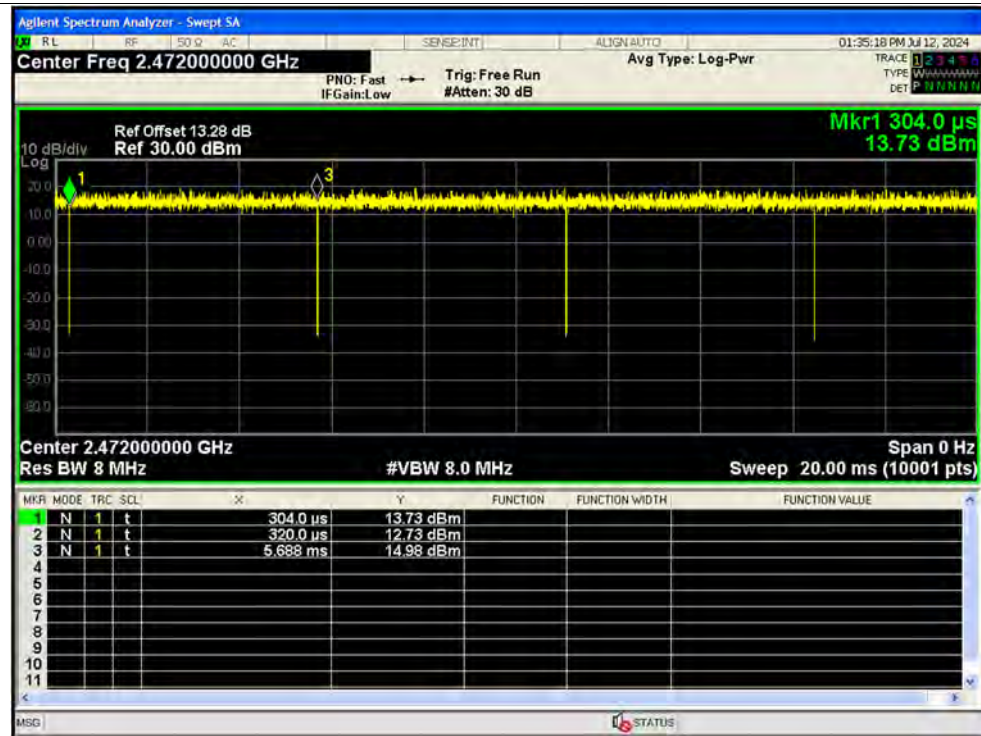


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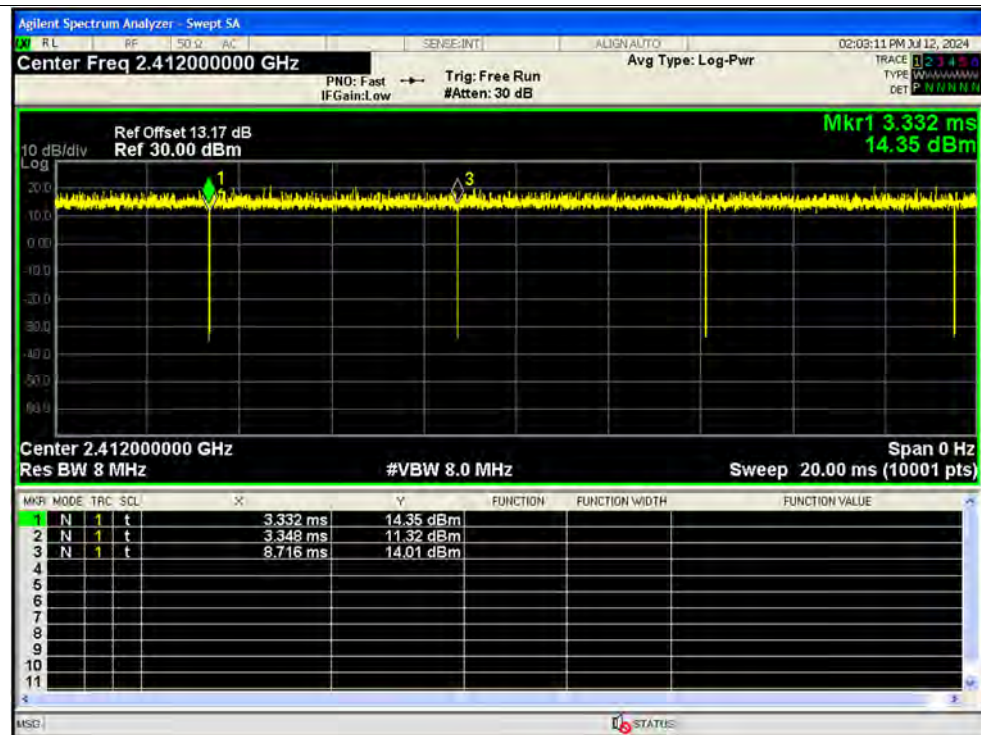




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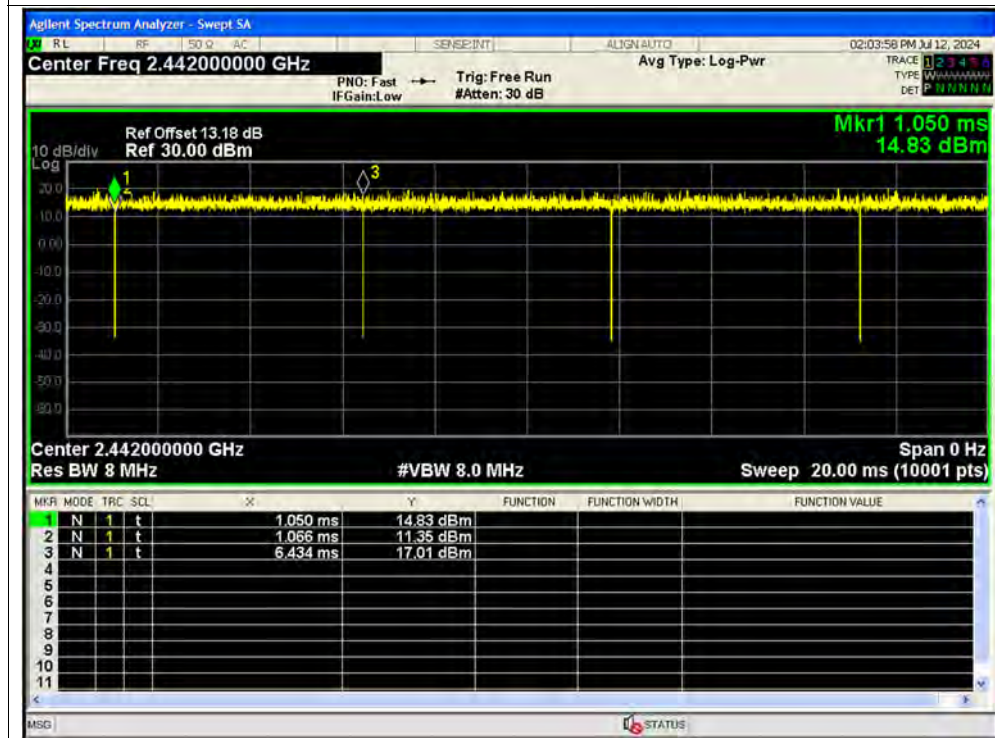


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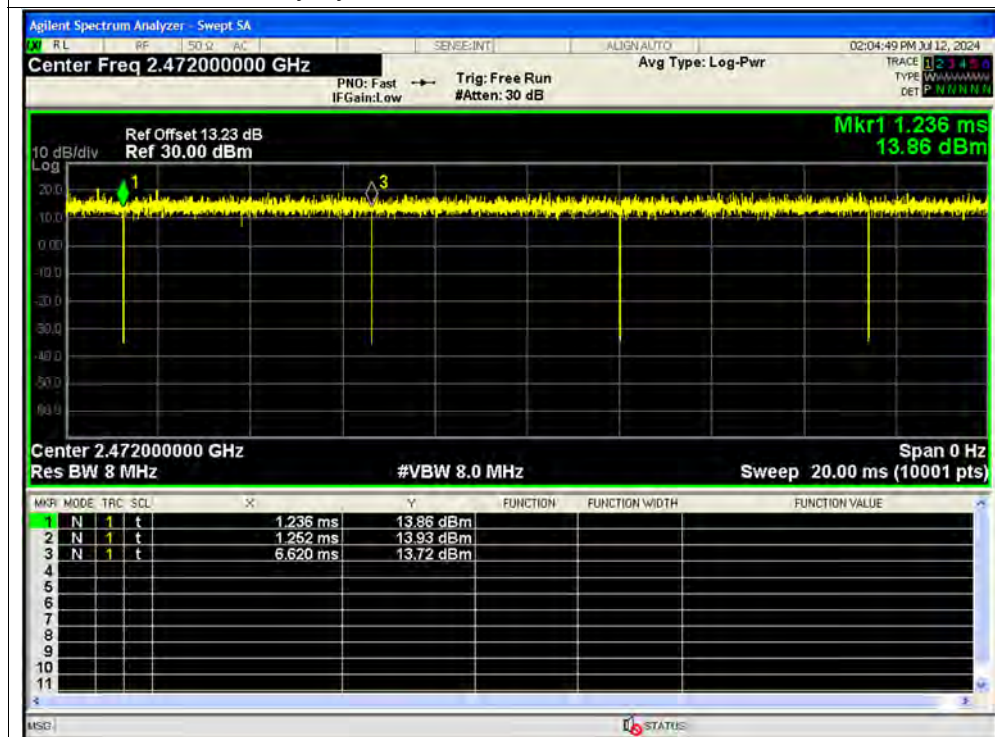




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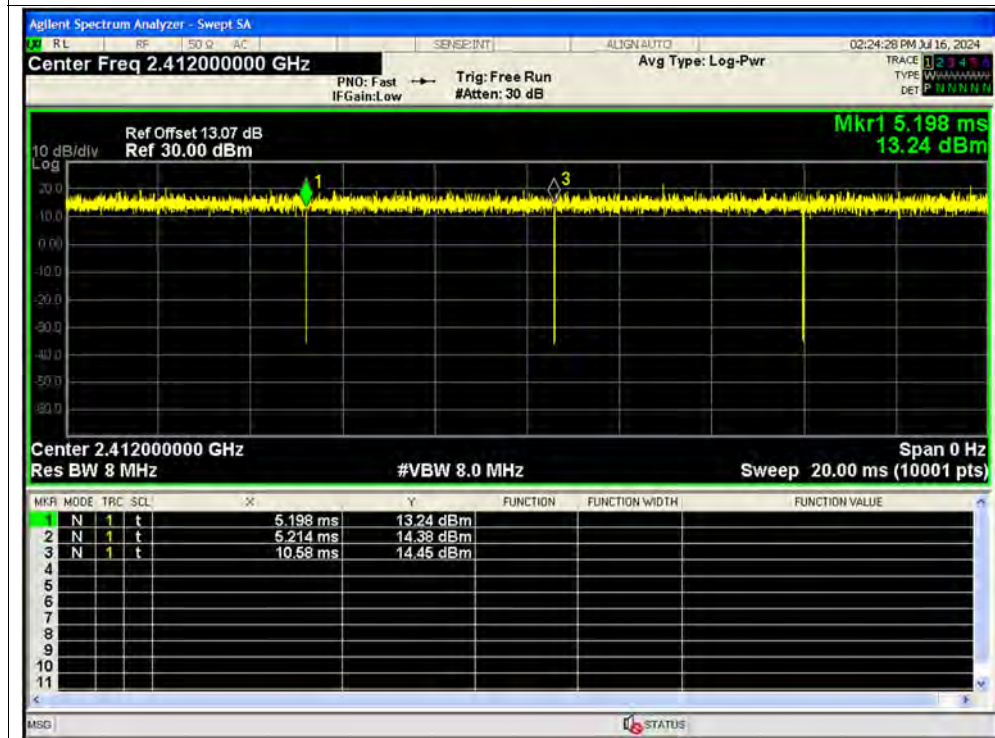


Duty Cycle NVNT n20 2472MHz Ant2 SISO

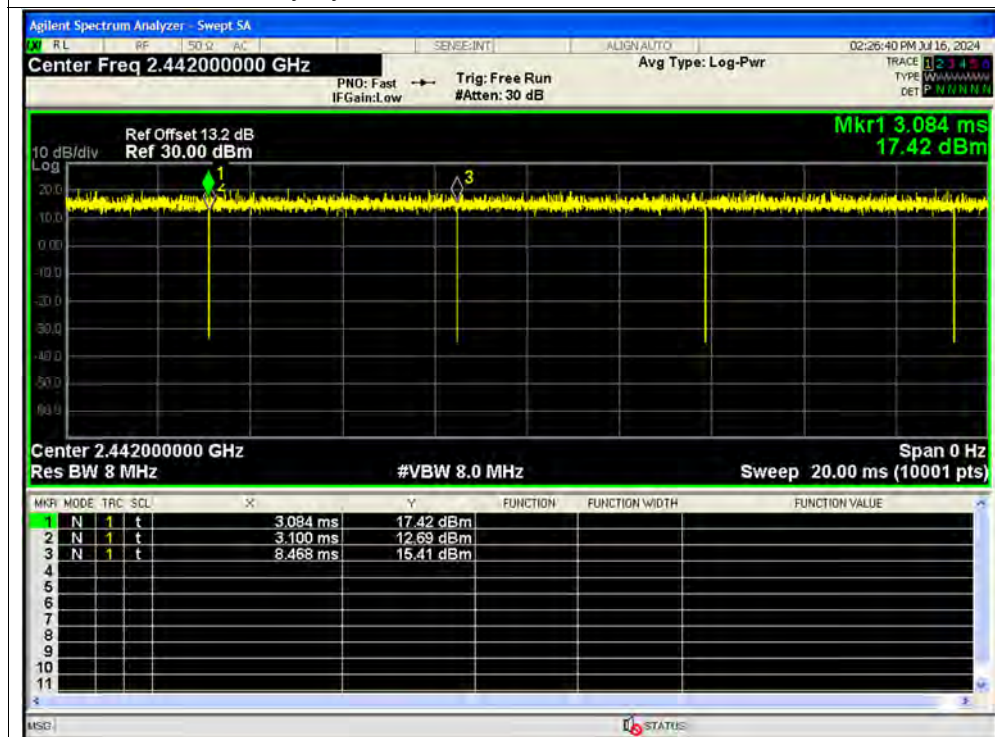




Duty Cycle NVNT n20 2412MHz Sum MIMO

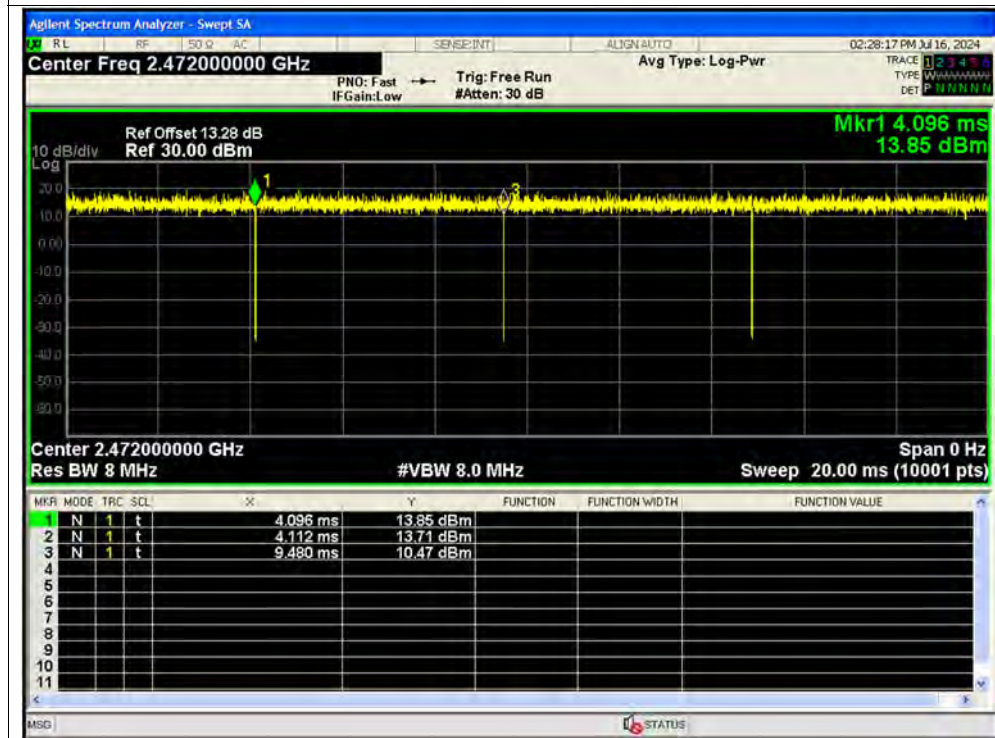


Duty Cycle NVNT n20 2442MHz Sum MIMO

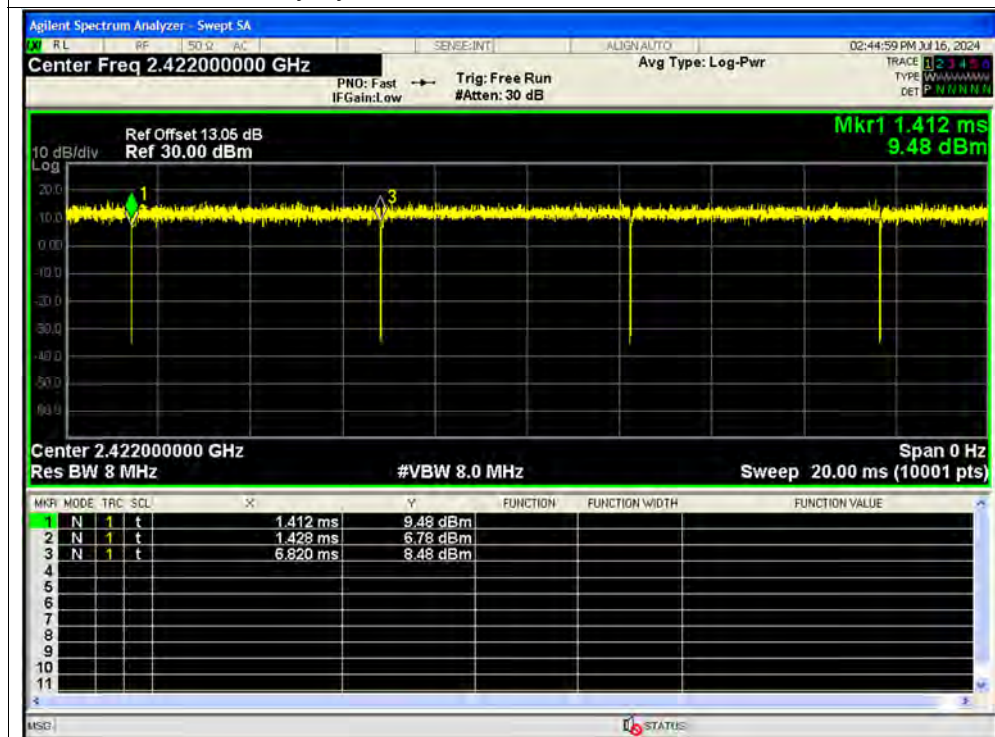




Duty Cycle NVNT n20 2472MHz Sum MIMO

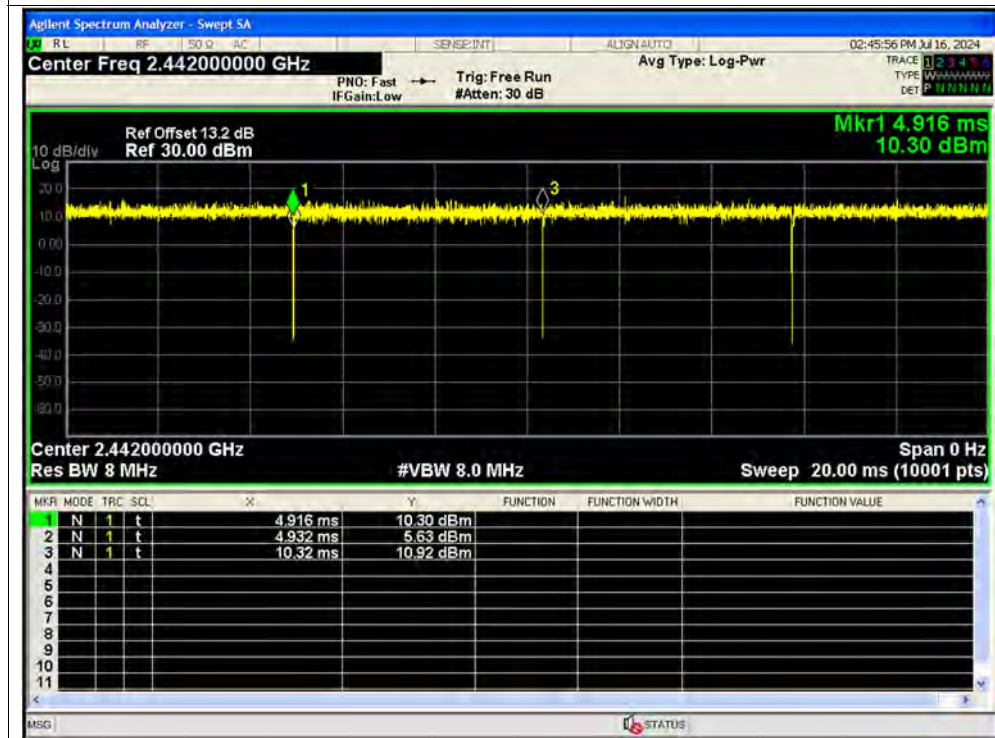


Duty Cycle NVNT n40 2422MHz Ant1 SISO

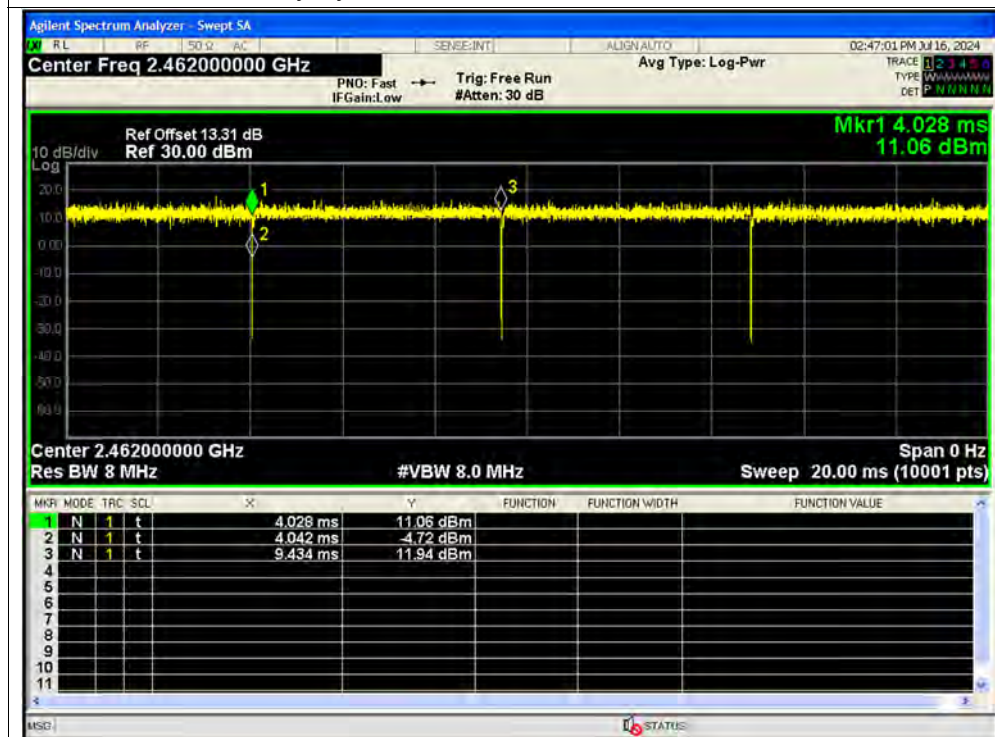




Duty Cycle NVNT n40 2442MHz Ant1 SISO

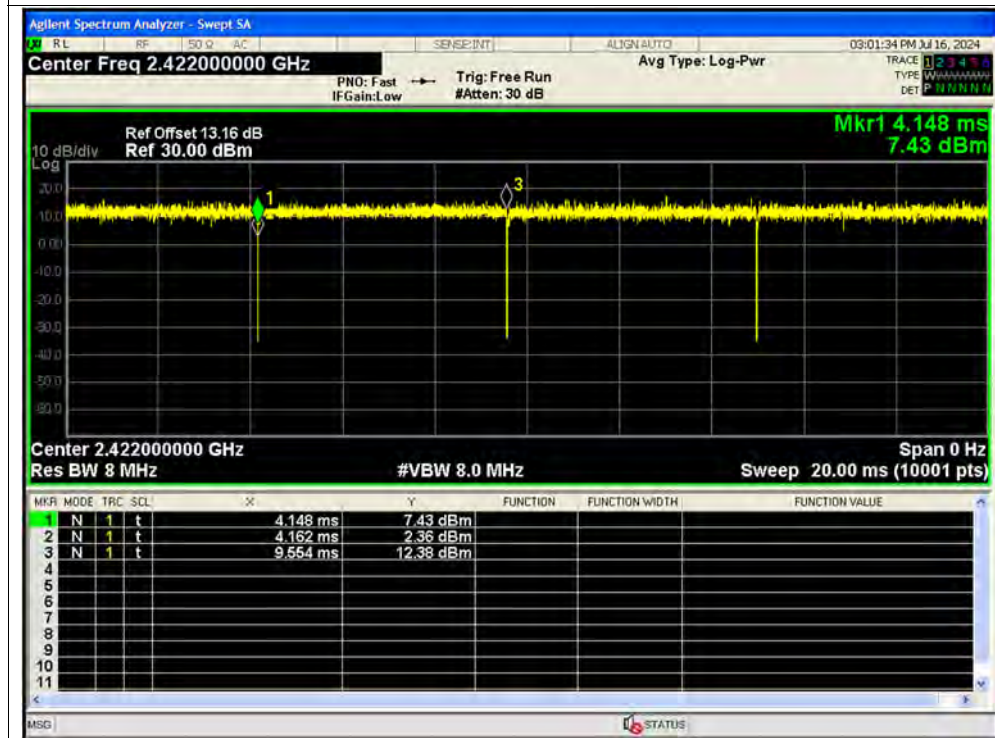


Duty Cycle NVNT n40 2462MHz Ant1 SISO

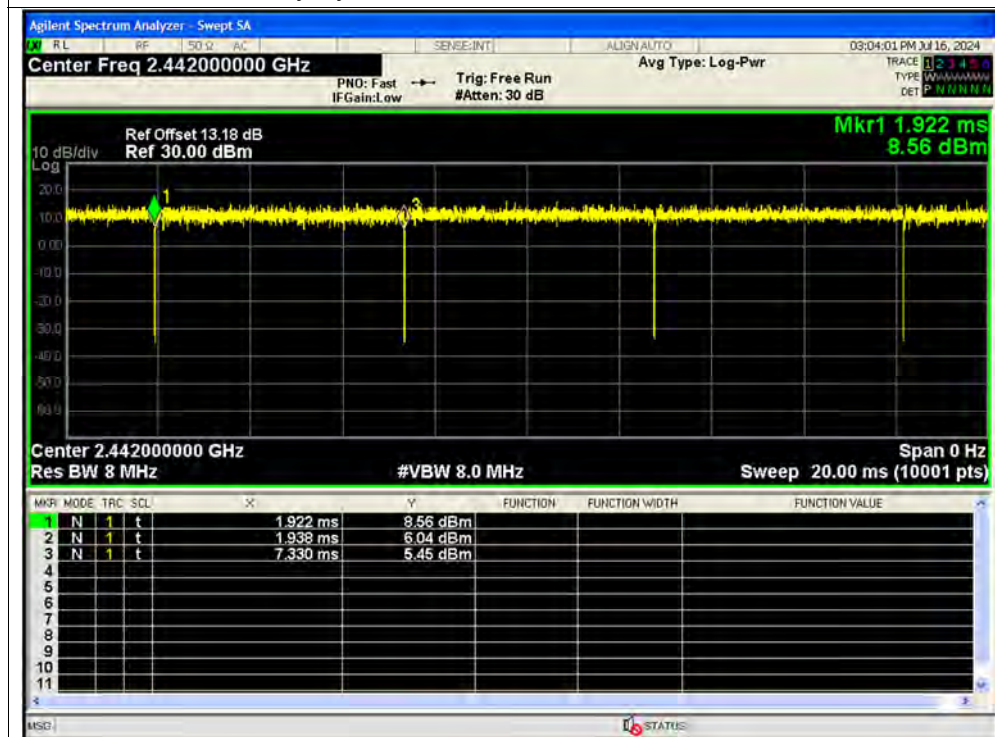




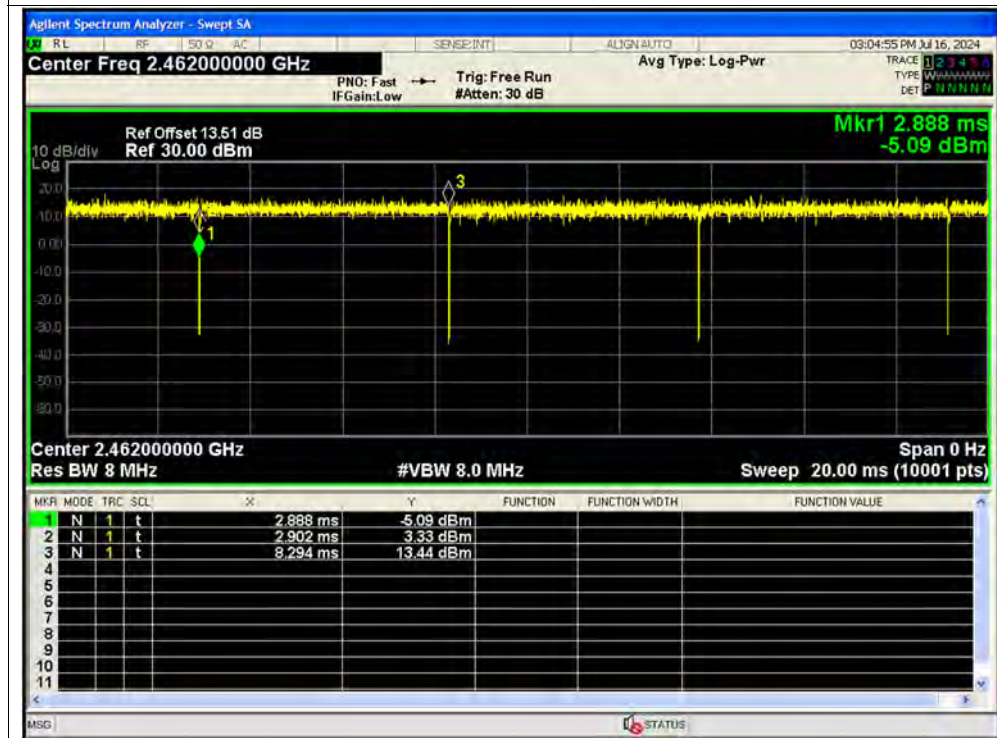
Duty Cycle NVNT n40 2422MHz Ant2 SISO



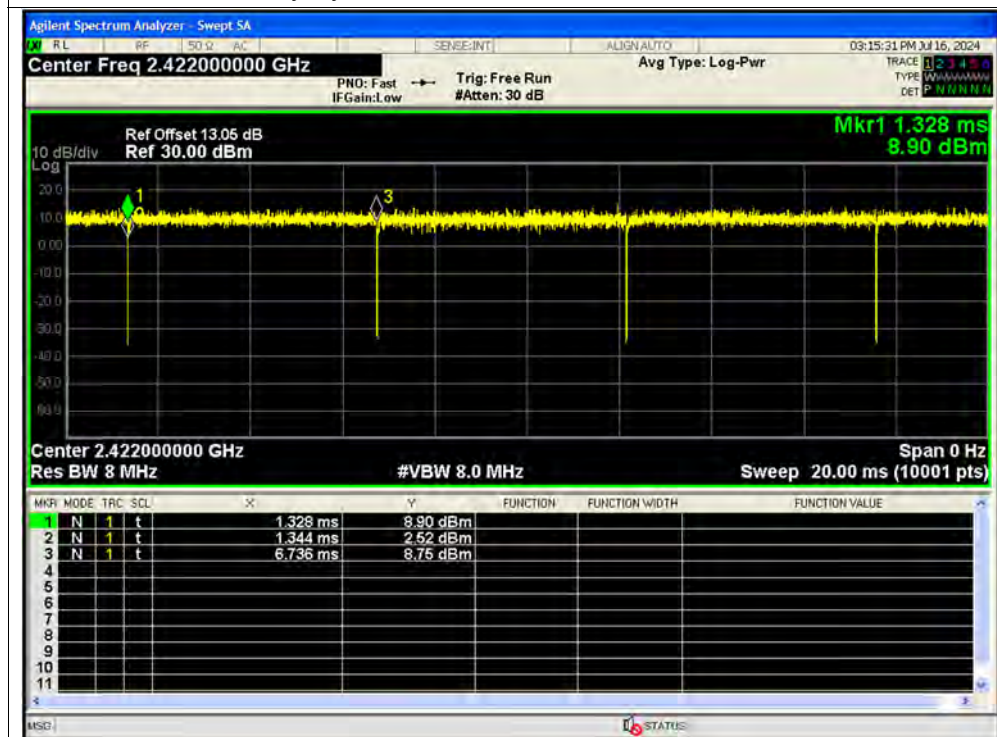
Duty Cycle NVNT n40 2442MHz Ant2 SISO



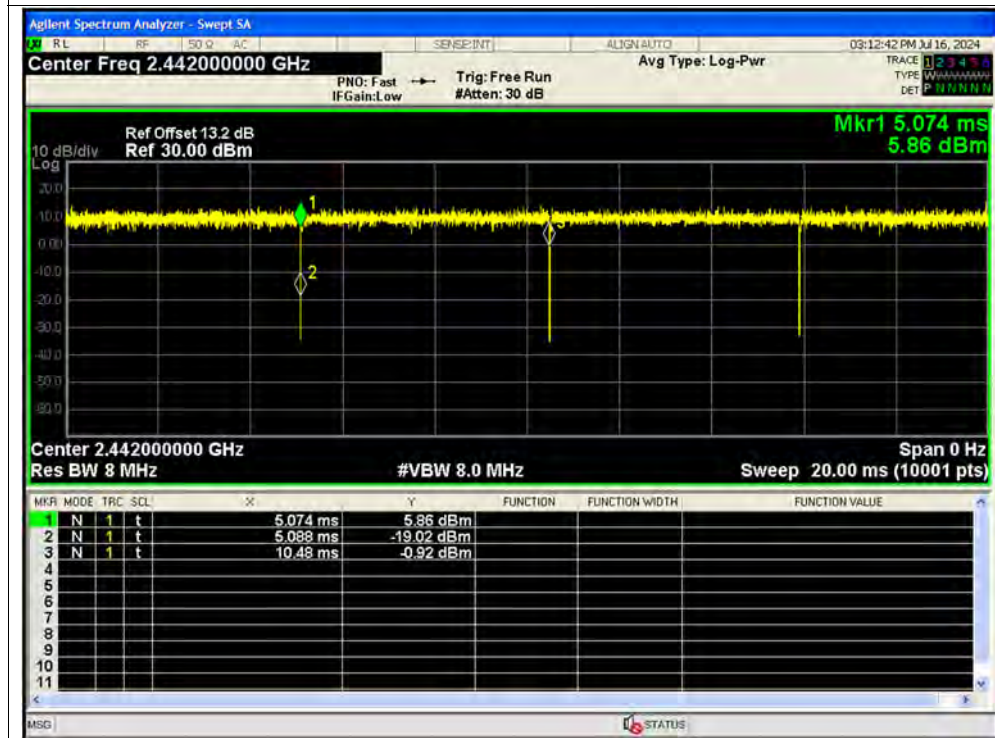
Duty Cycle NVNT n40 2462MHz Ant2 SISO



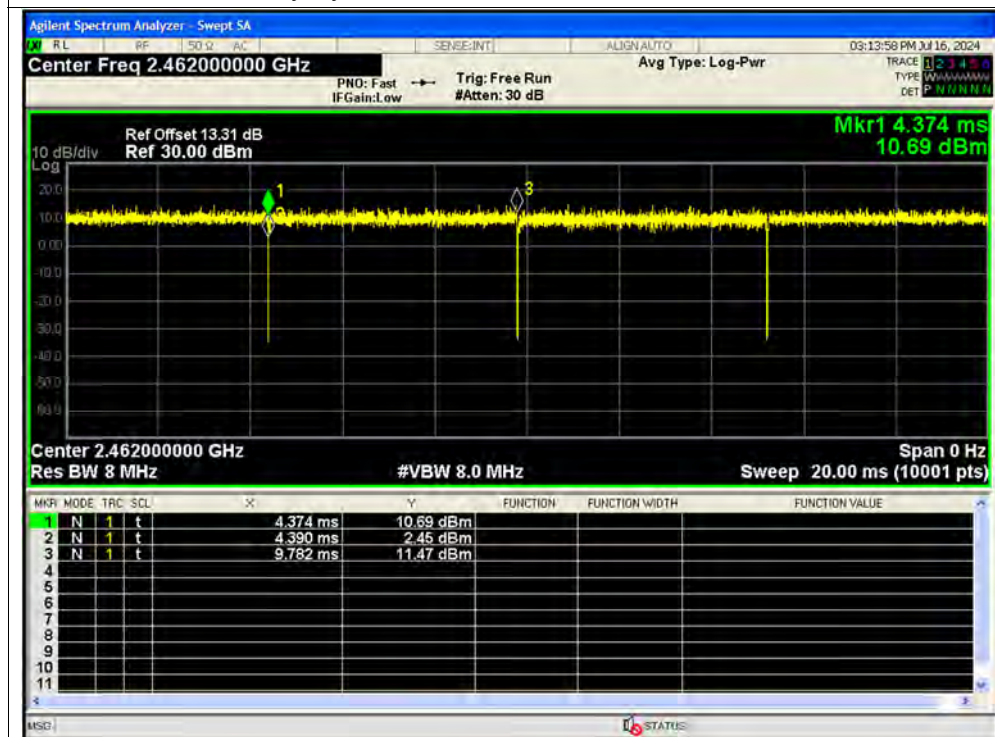
Duty Cycle NVNT n40 2422MHz Sum MIMO



Duty Cycle NVNT n40 2442MHz Sum MIMO

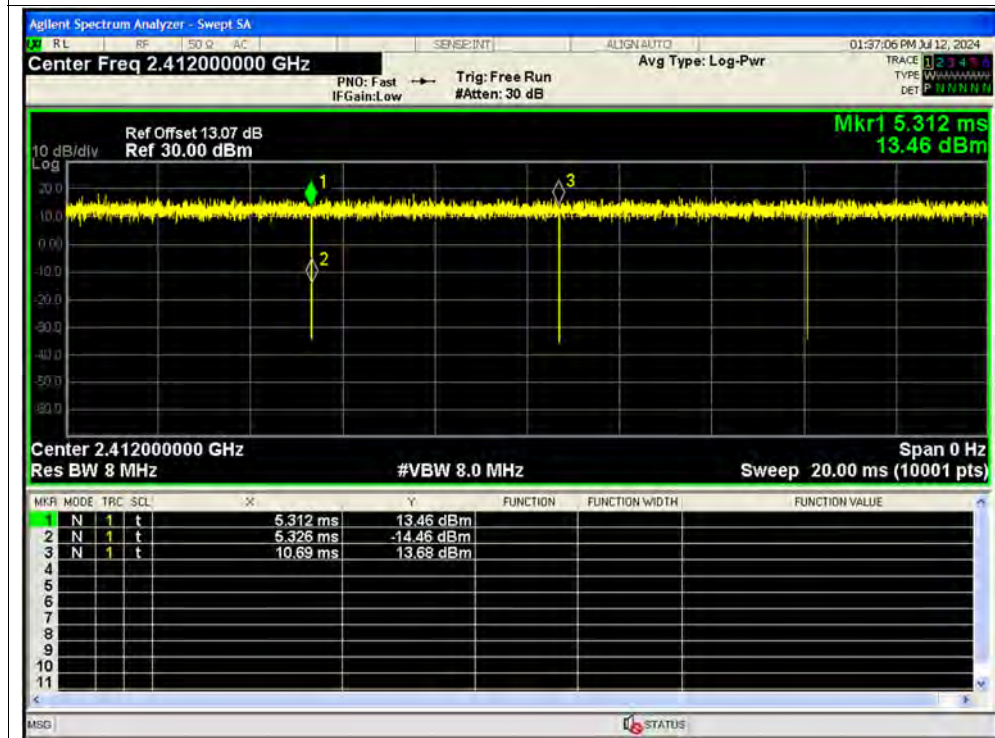


Duty Cycle NVNT n40 2462MHz Sum MIMO

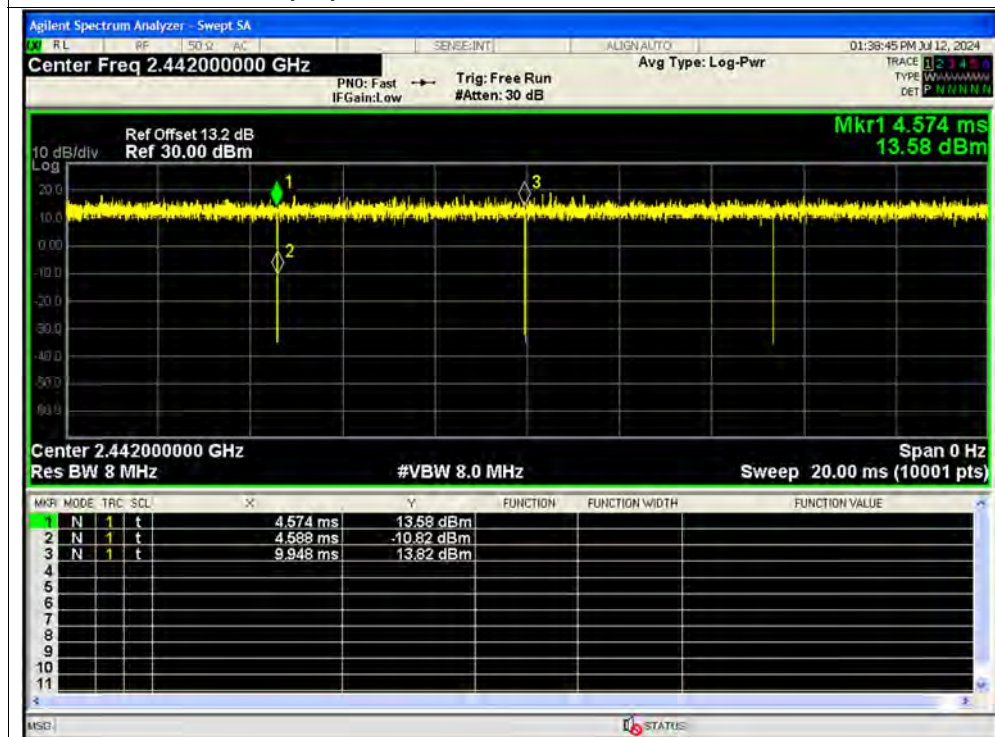




Duty Cycle NVNT ax20 2412MHz Ant1 SISO

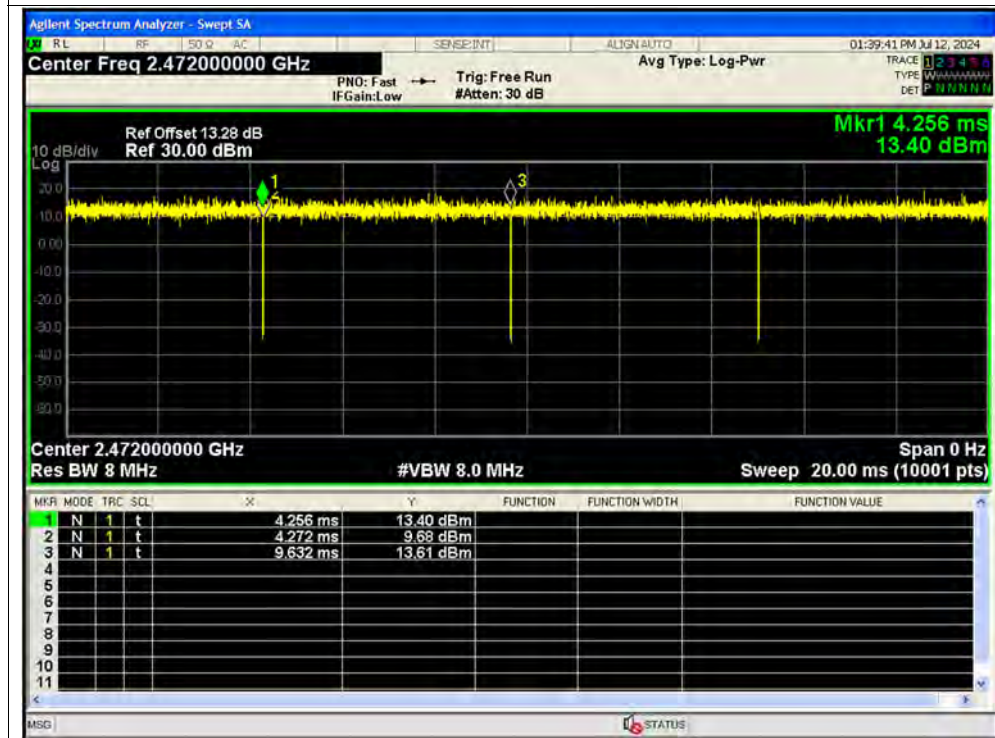


Duty Cycle NVNT ax20 2442MHz Ant1 SISO

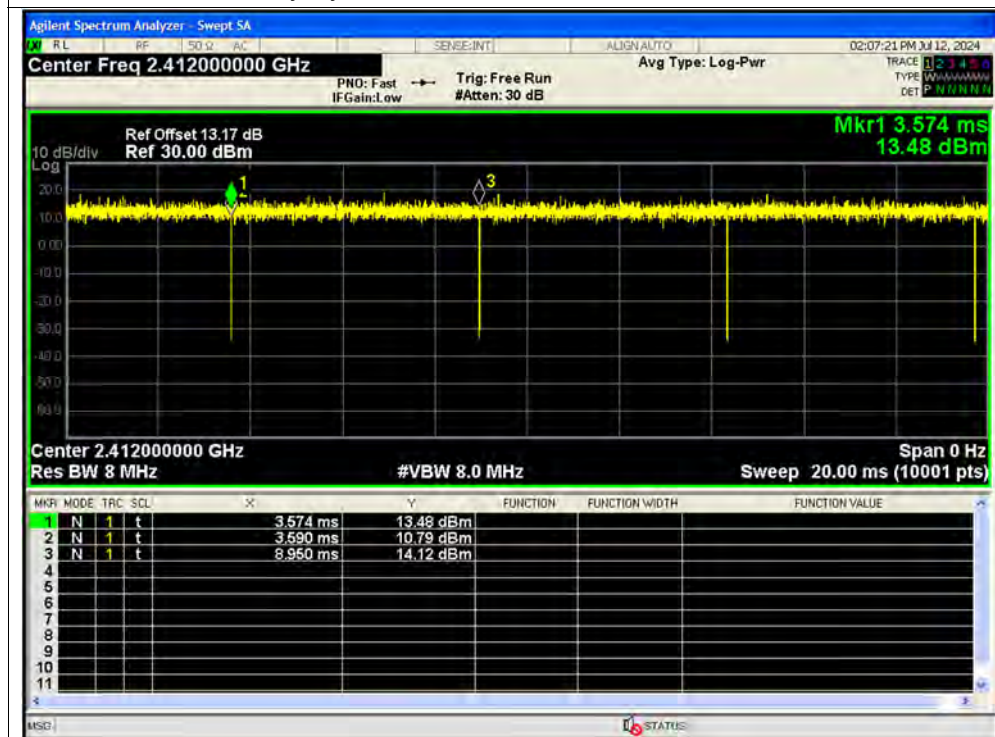




Duty Cycle NVNT ax20 2472MHz Ant1 SISO

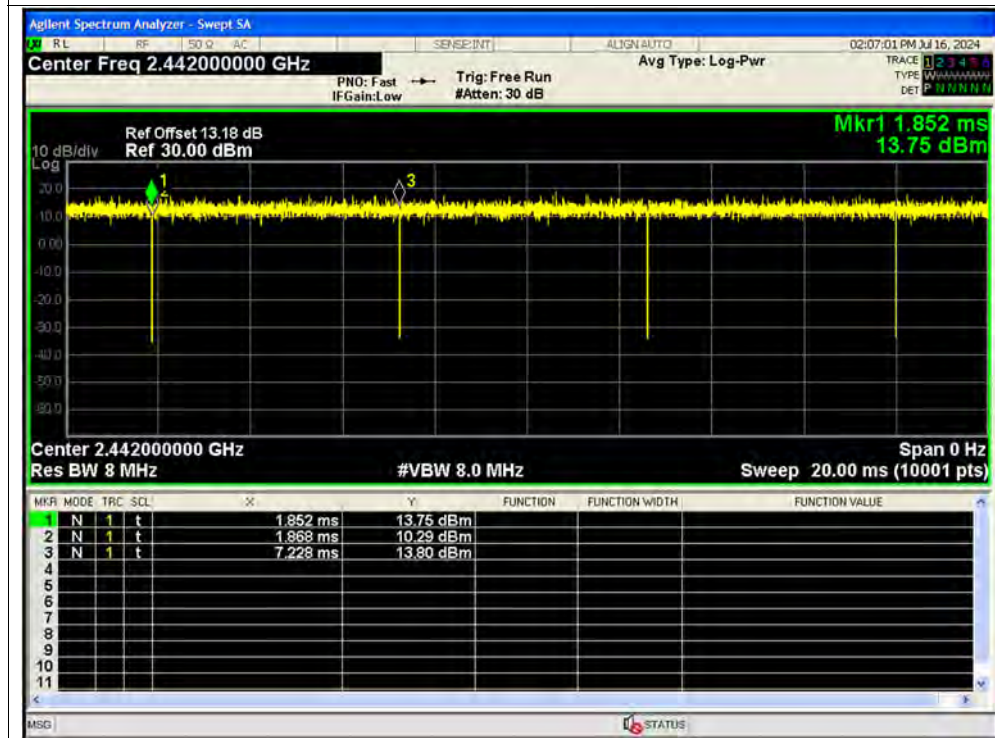


Duty Cycle NVNT ax20 2412MHz Ant2 SISO

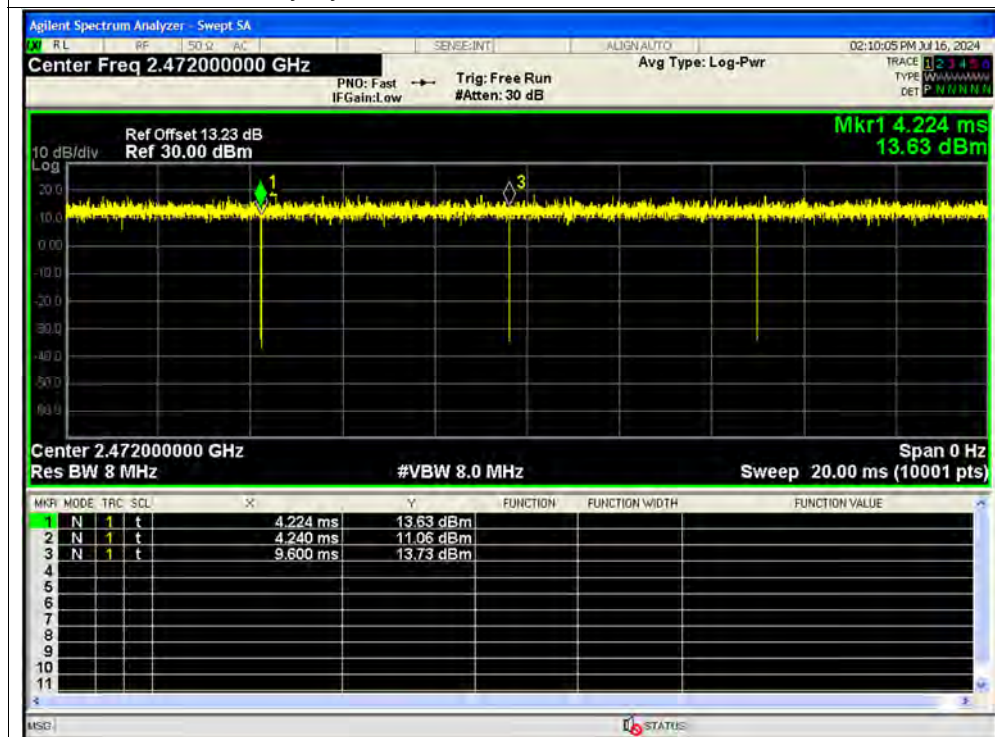




Duty Cycle NVNT ax20 2442MHz Ant2 SISO

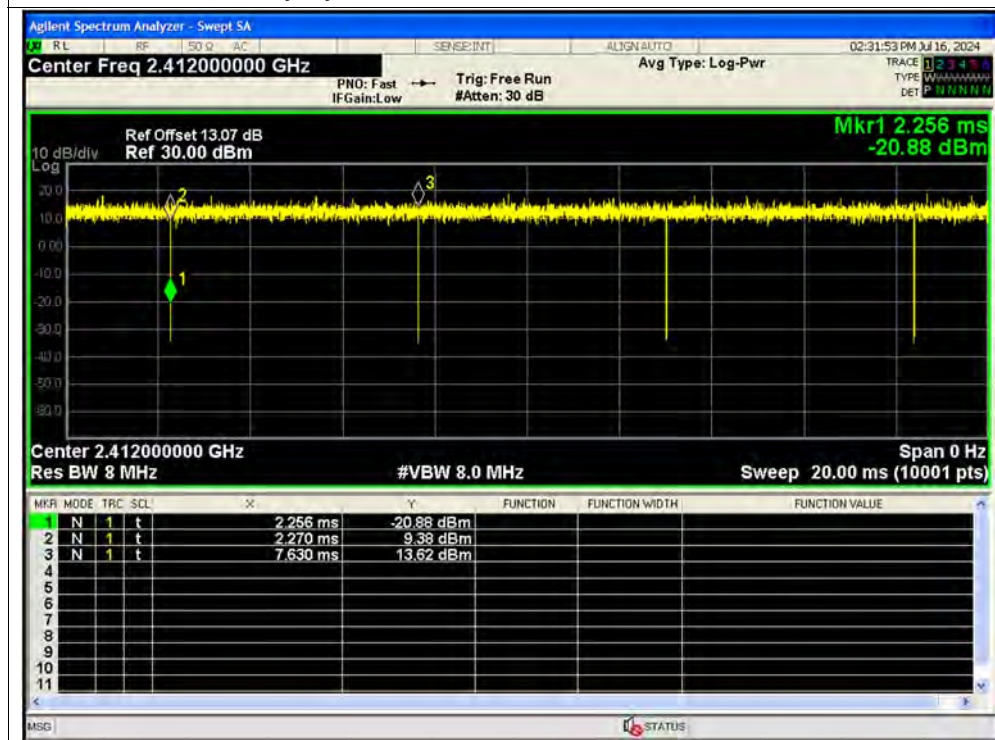


Duty Cycle NVNT ax20 2472MHz Ant2 SISO

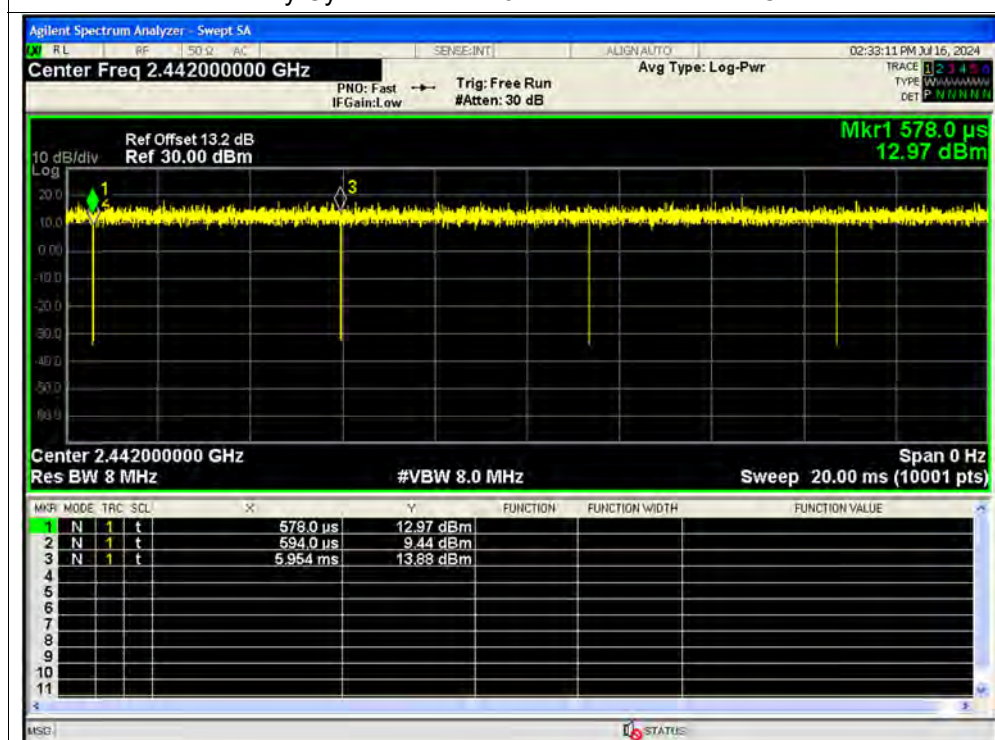




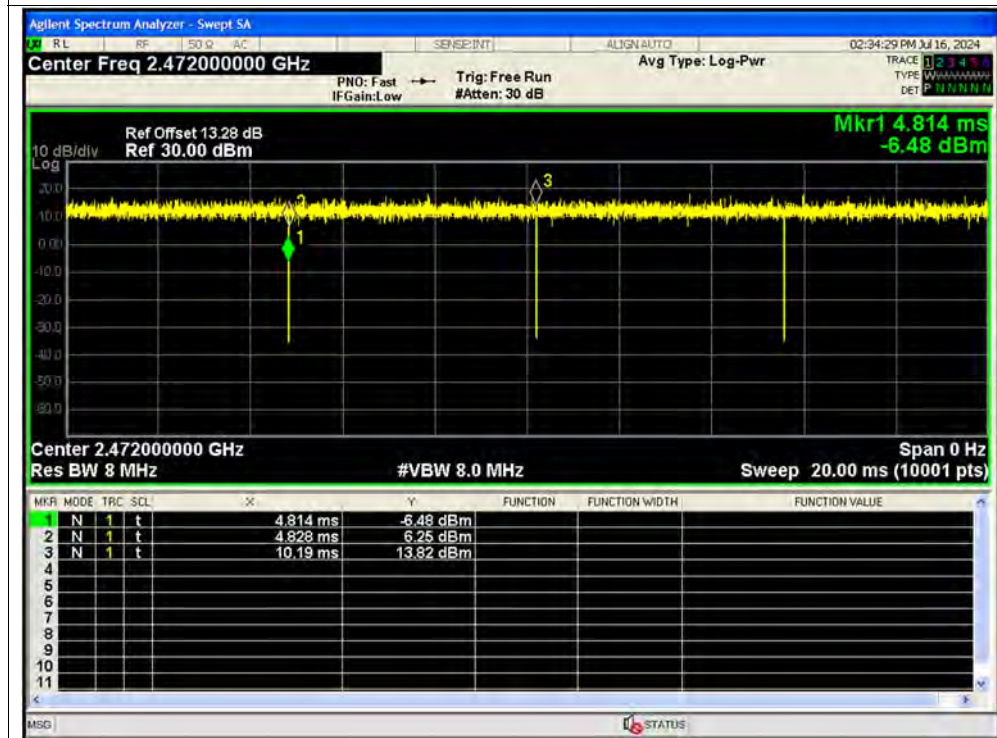
Duty Cycle NVNT ax20 2412MHz Sum MIMO



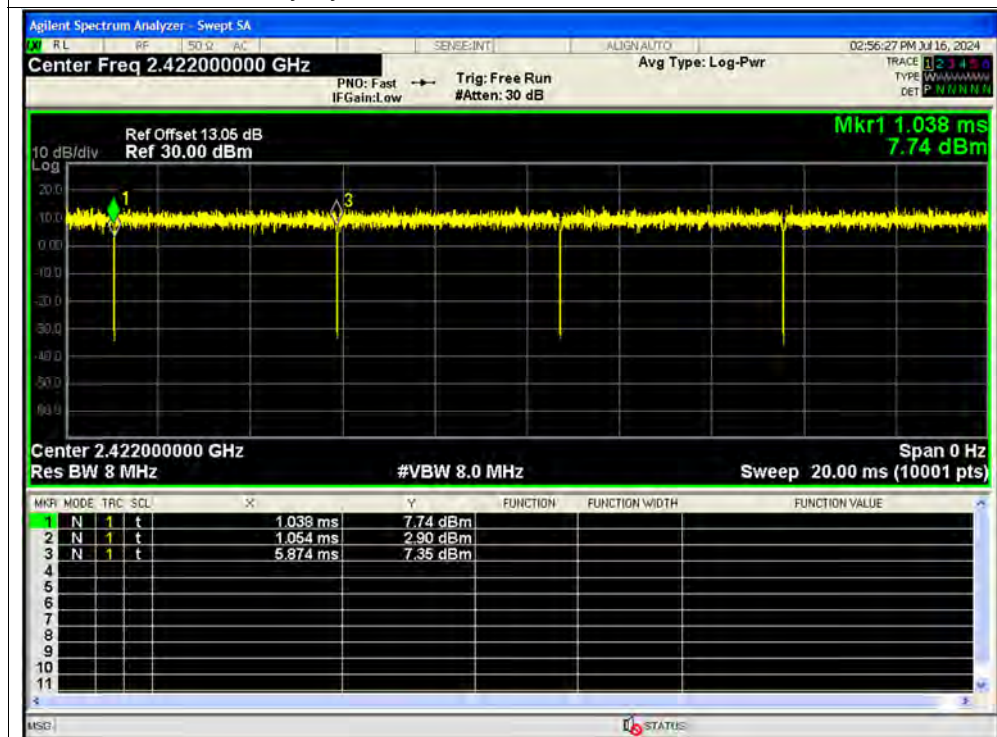
Duty Cycle NVNT ax20 2442MHz Sum MIMO



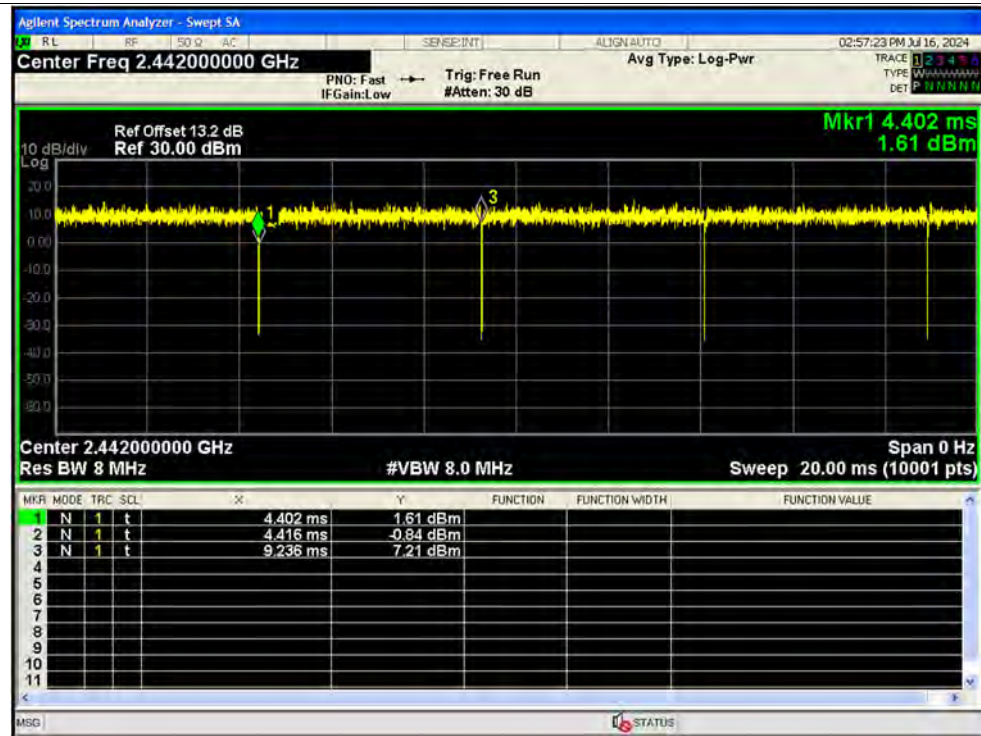
Duty Cycle NVNT ax20 2472MHz Sum MIMO



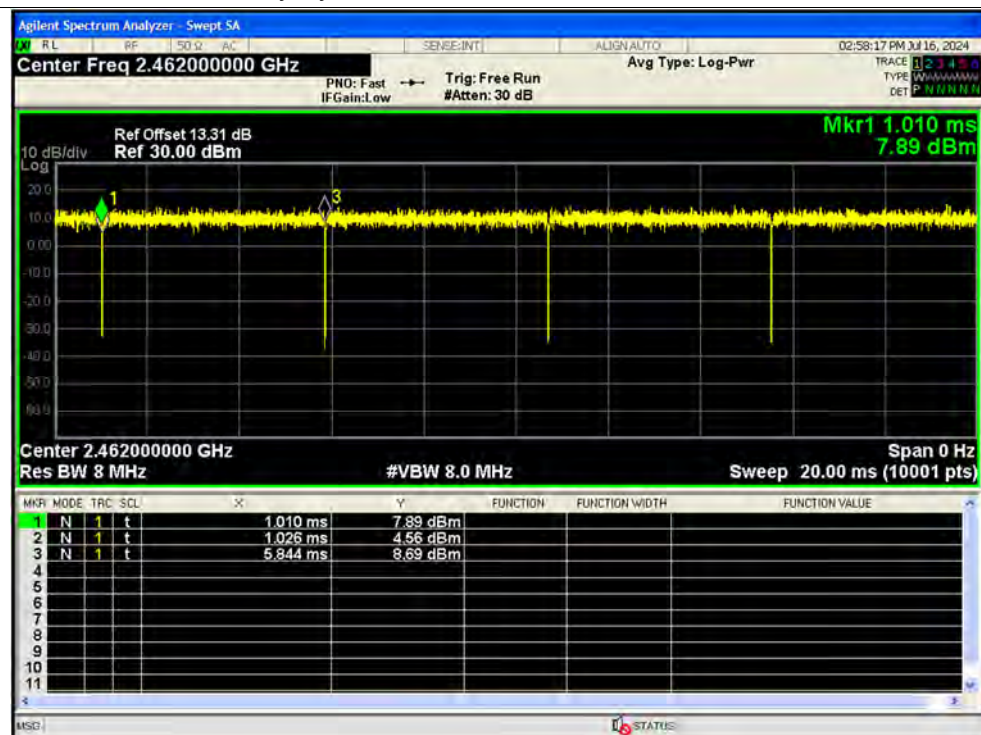
Duty Cycle NVNT ax40 2422MHz Ant1 SISO



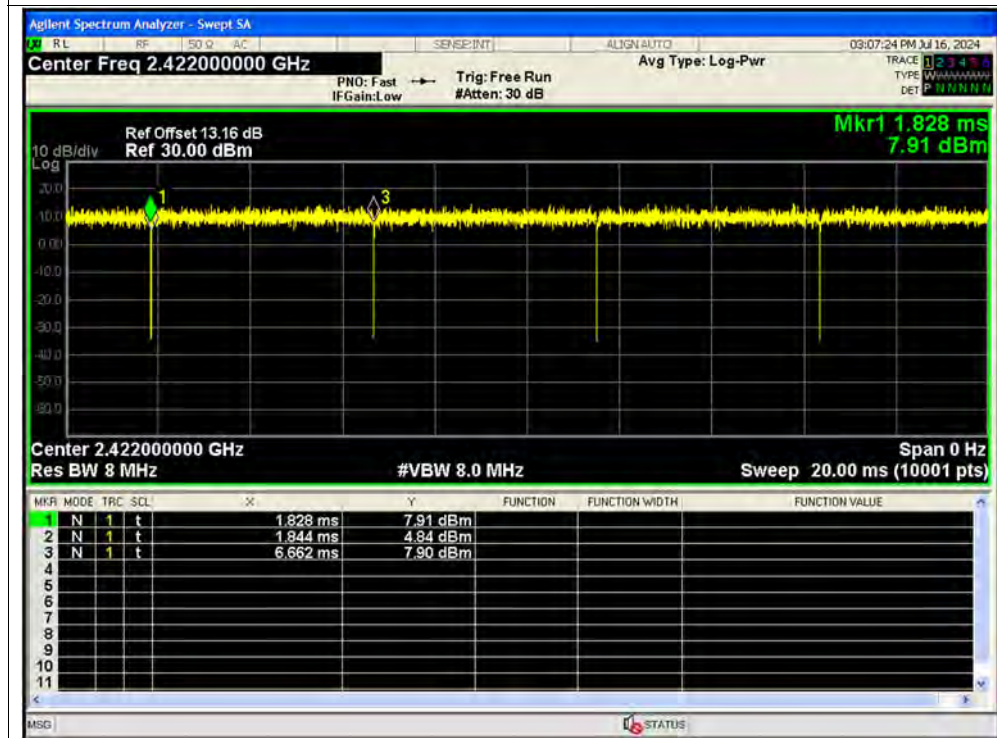
Duty Cycle NVNT ax40 2442MHz Ant1 SISO



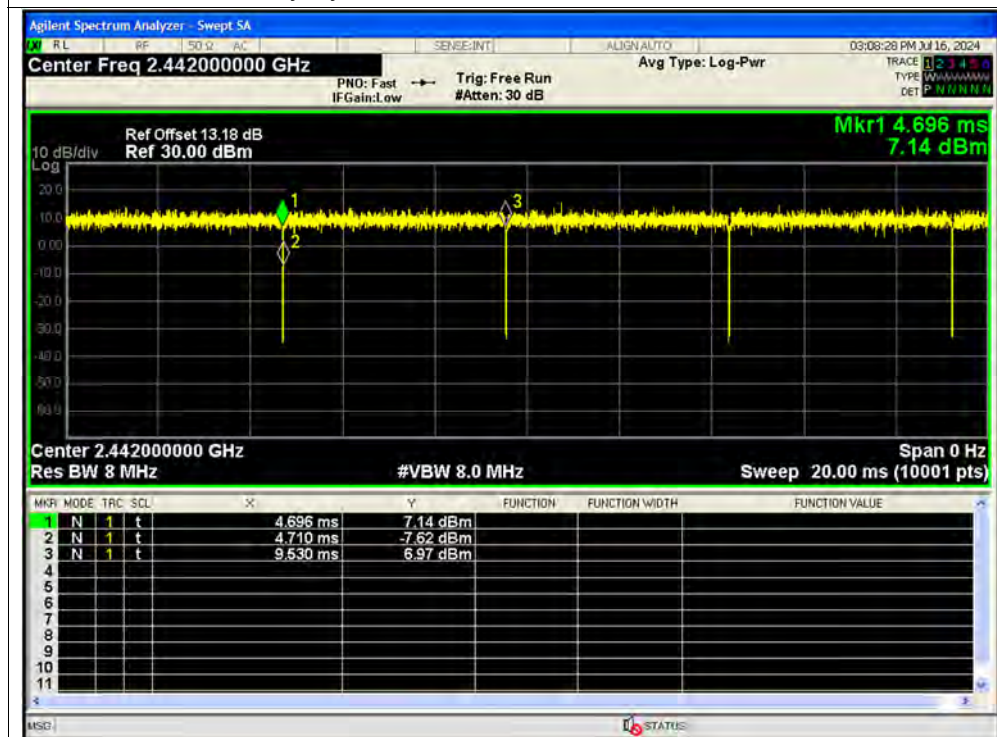
Duty Cycle NVNT ax40 2462MHz Ant1 SISO



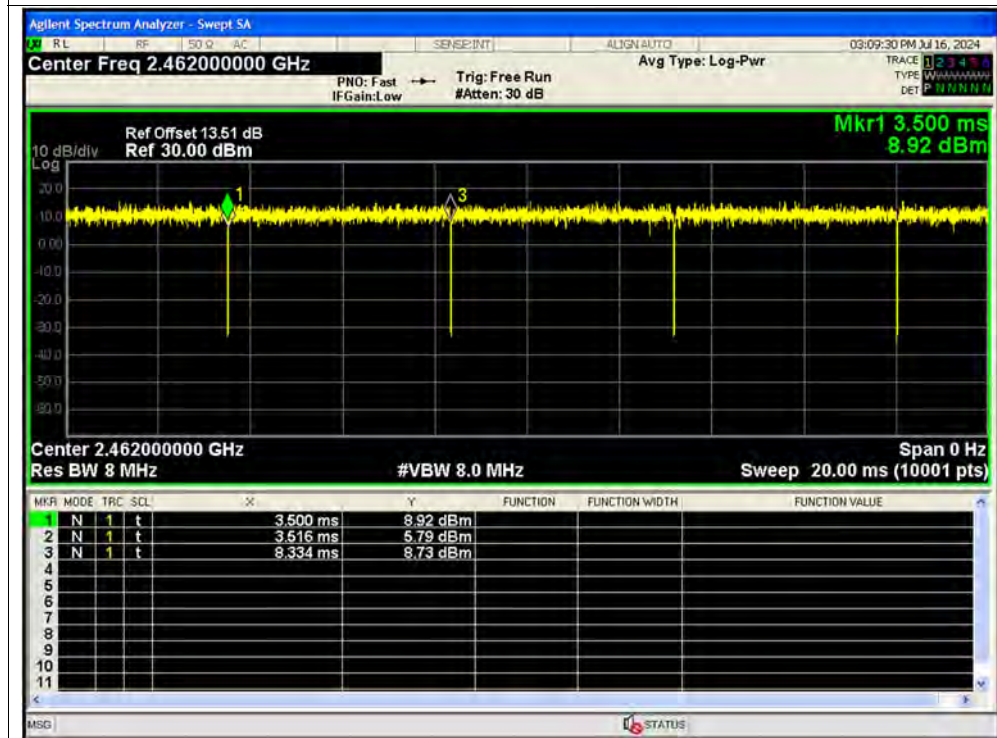
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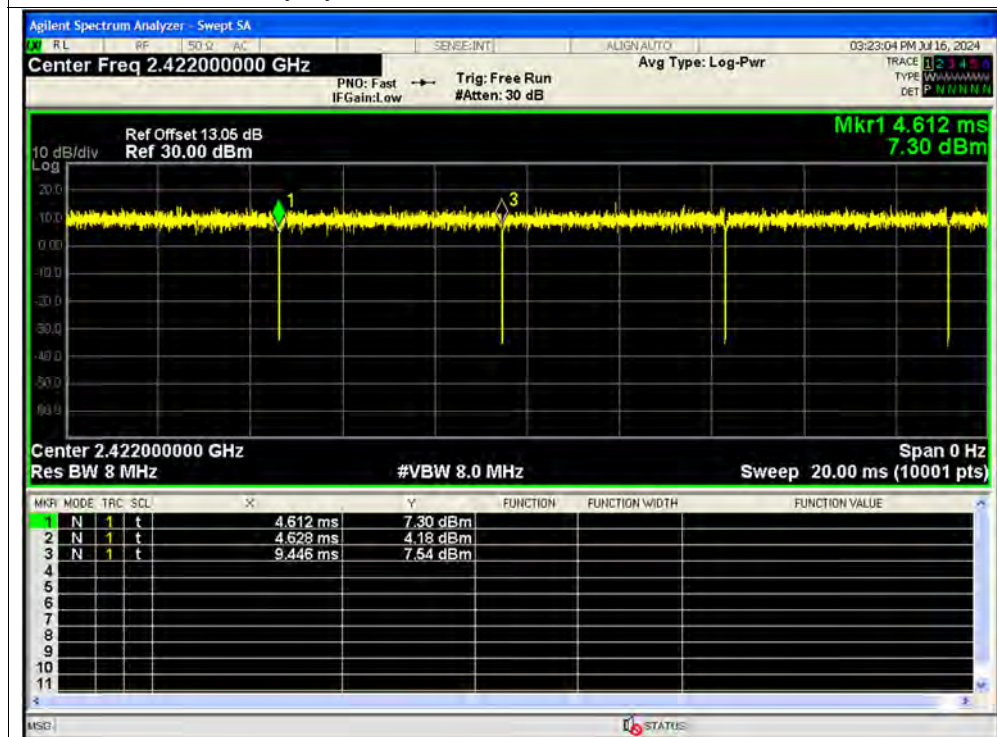
Duty Cycle NVNT ax40 2442MHz Ant2 SISO



Duty Cycle NVNT ax40 2462MHz Ant2 SISO

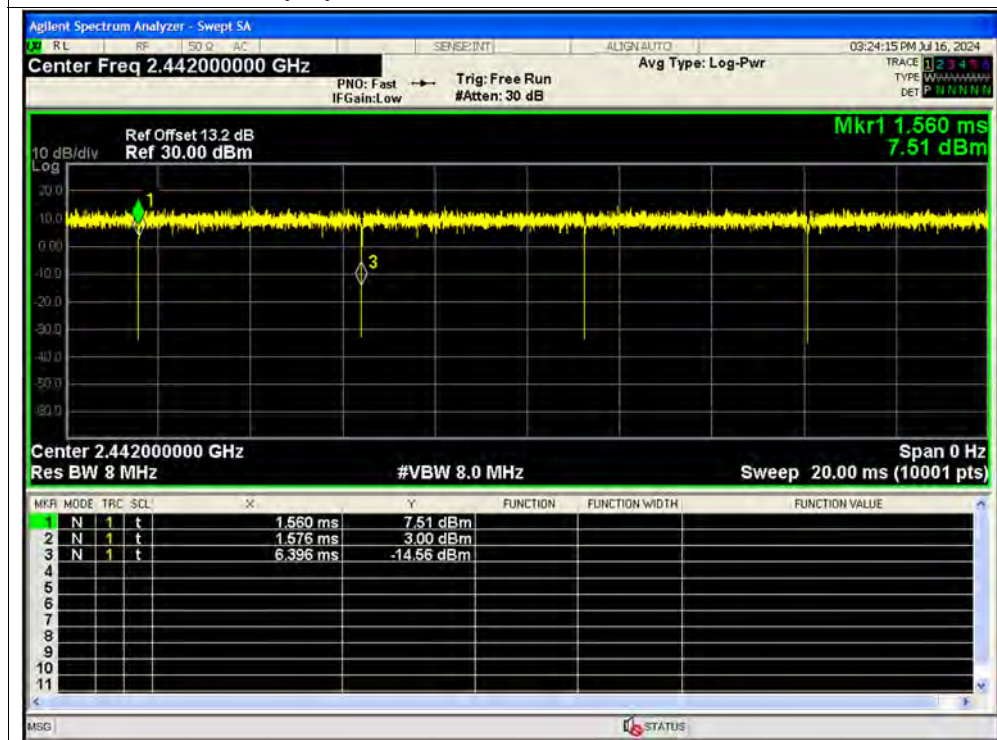


Duty Cycle NVNT ax40 2422MHz Sum MIMO

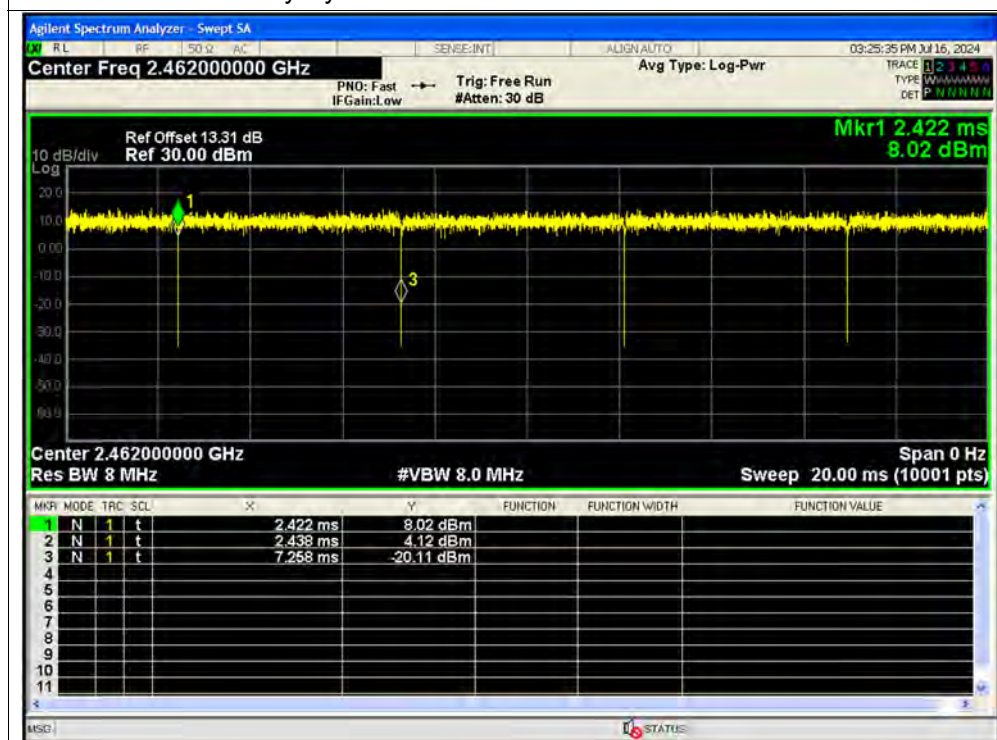




Duty Cycle NVNT ax40 2442MHz Sum MIMO

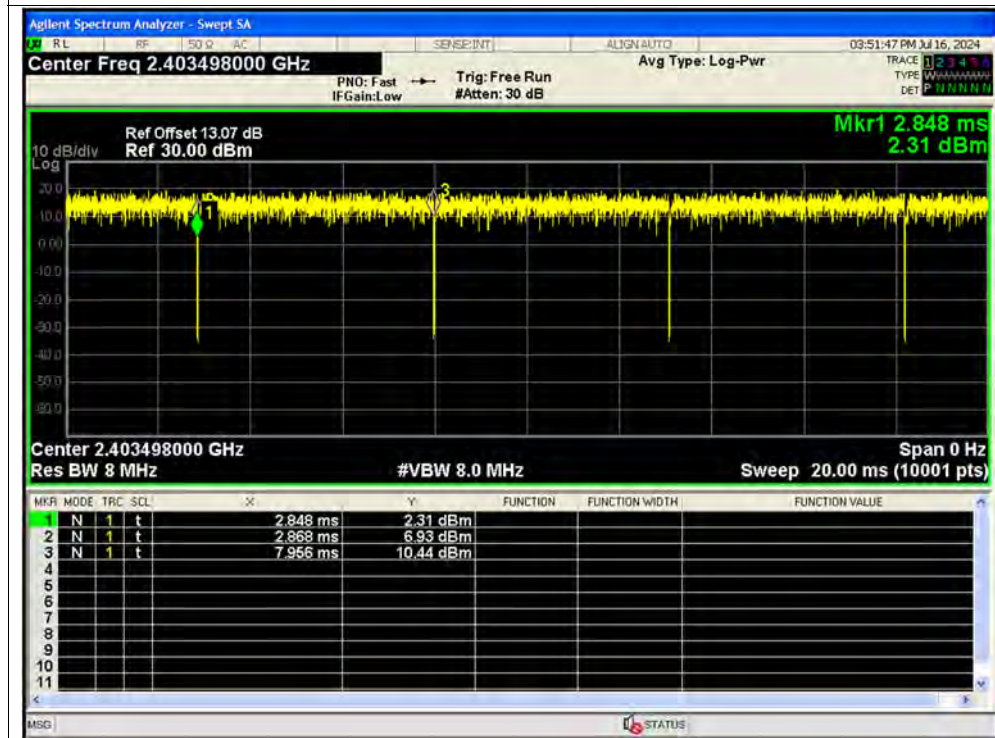


Duty Cycle NVNT ax40 2462MHz Sum MIMO

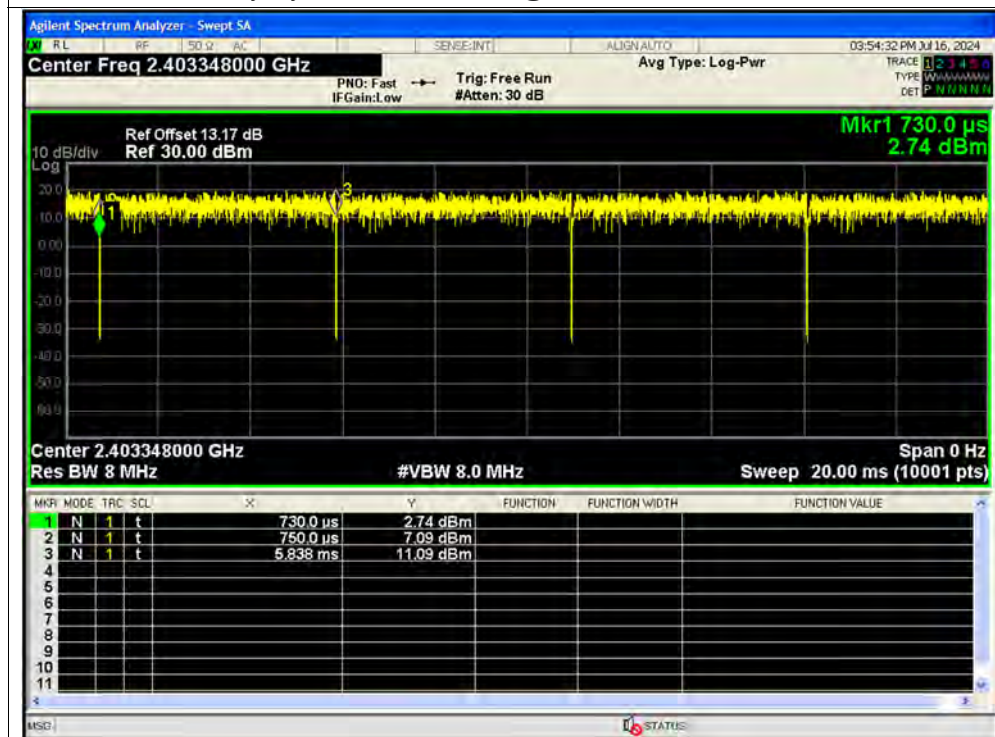




Duty Cycle NVNT ax20 26@0 2412MHz Ant1 SISO

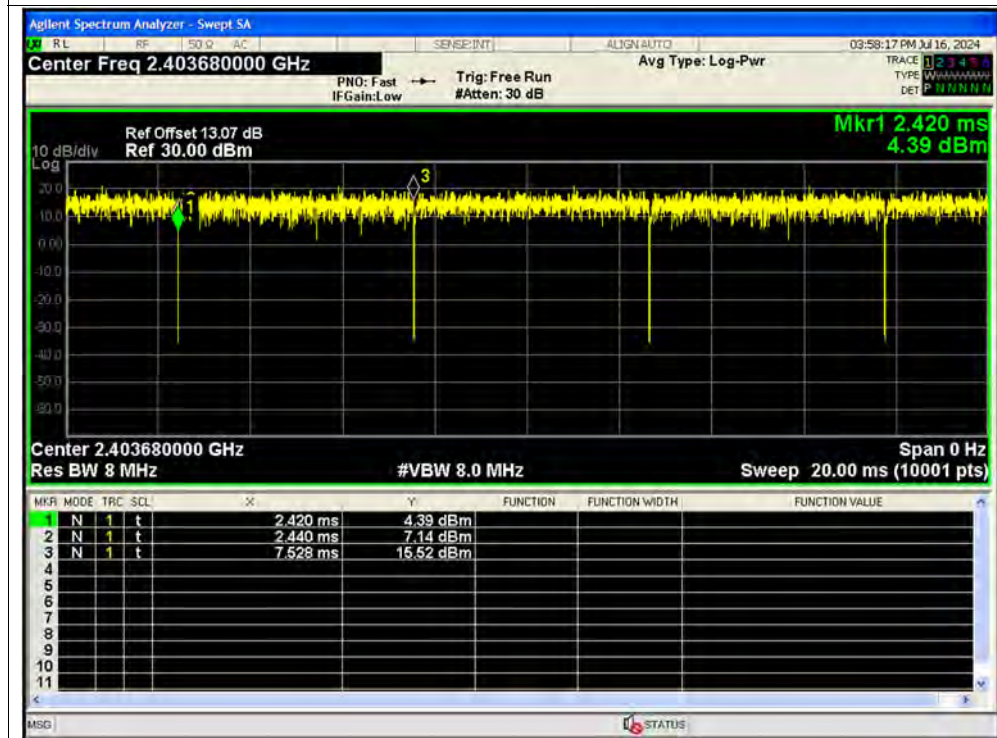


Duty Cycle NVNT ax20 26@0 2412MHz Ant2 SISO

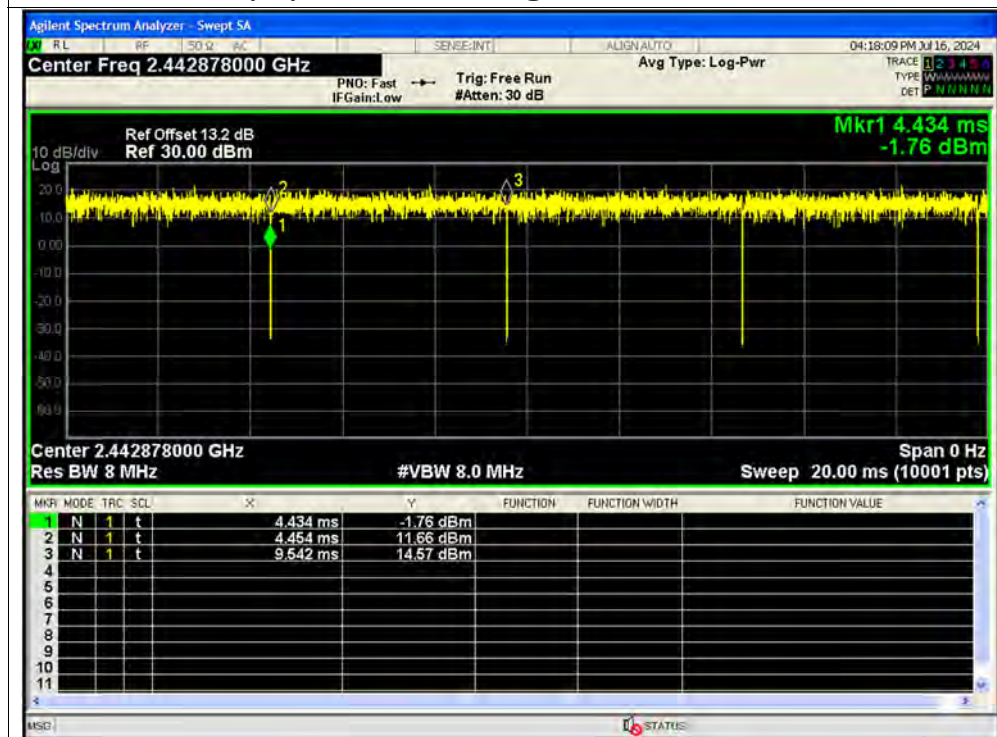




Duty Cycle NVNT ax20 26@0 2412MHz Sum MIMO

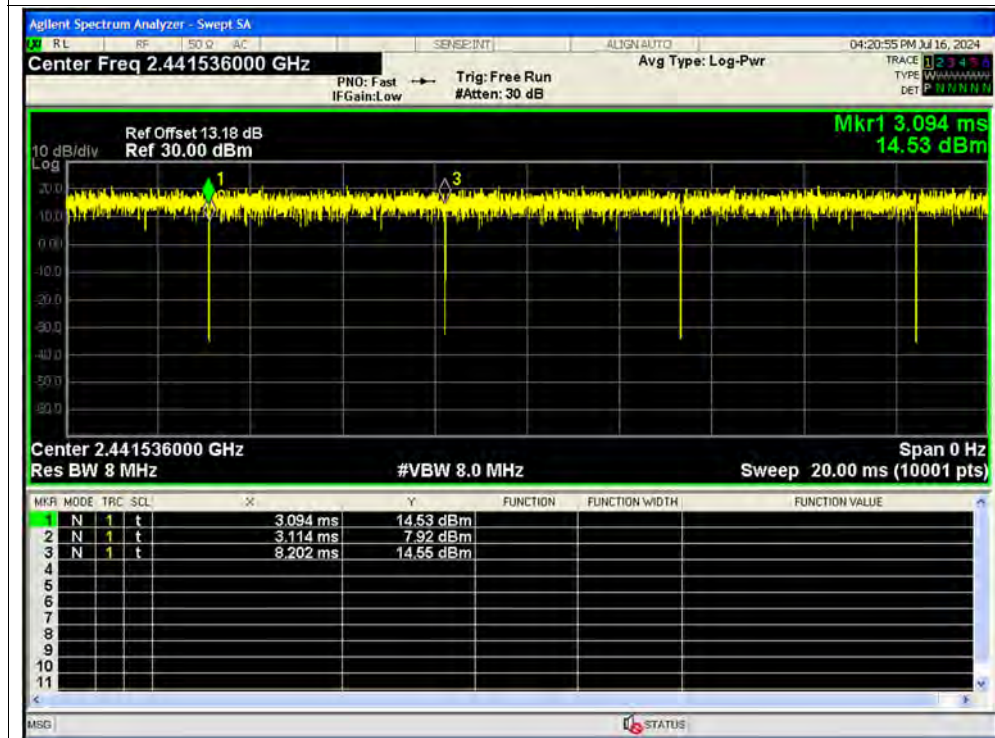


Duty Cycle NVNT ax20 26@4 2442MHz Ant1 SISO

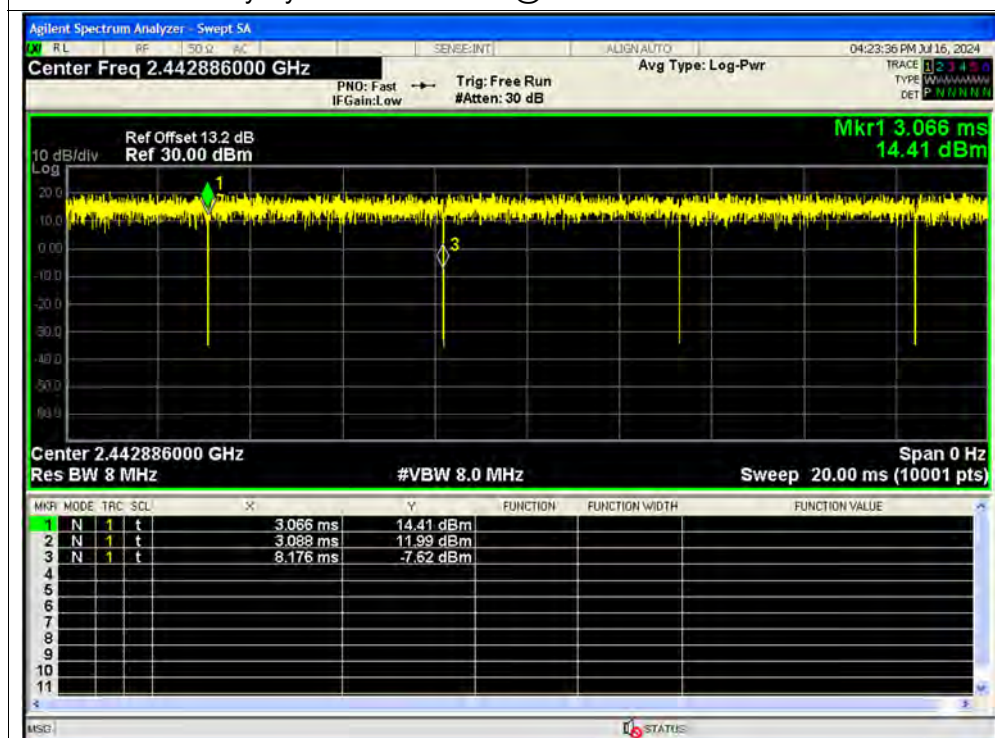




Duty Cycle NVNT ax20 26@4 2442MHz Ant2 SISO

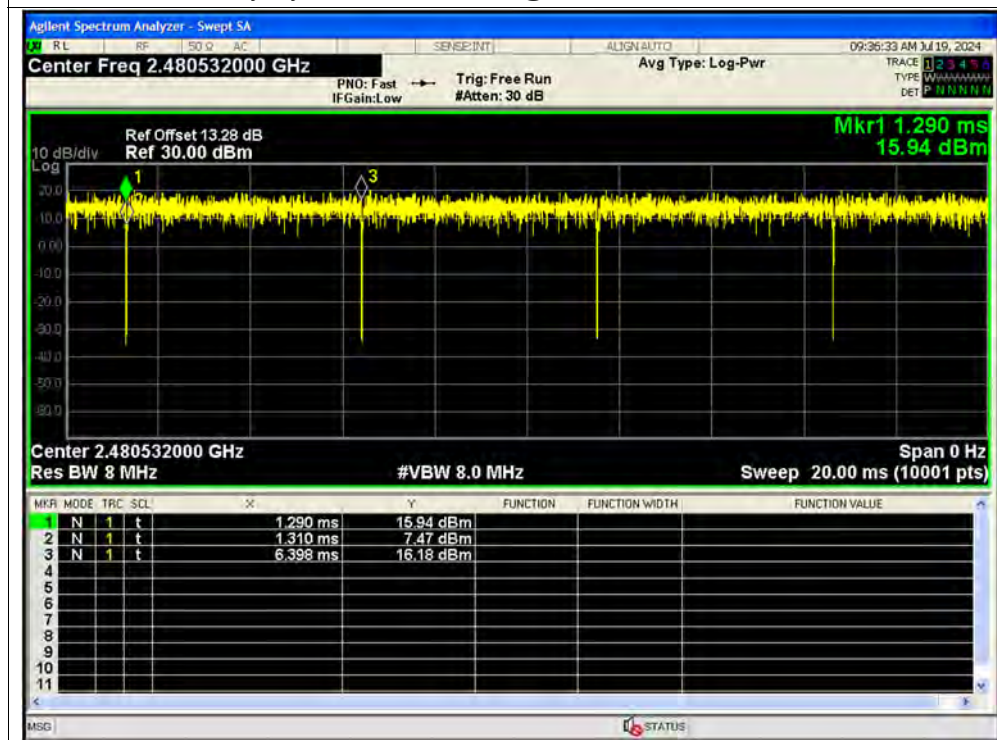


Duty Cycle NVNT ax20 26@4 2442MHz Sum MIMO

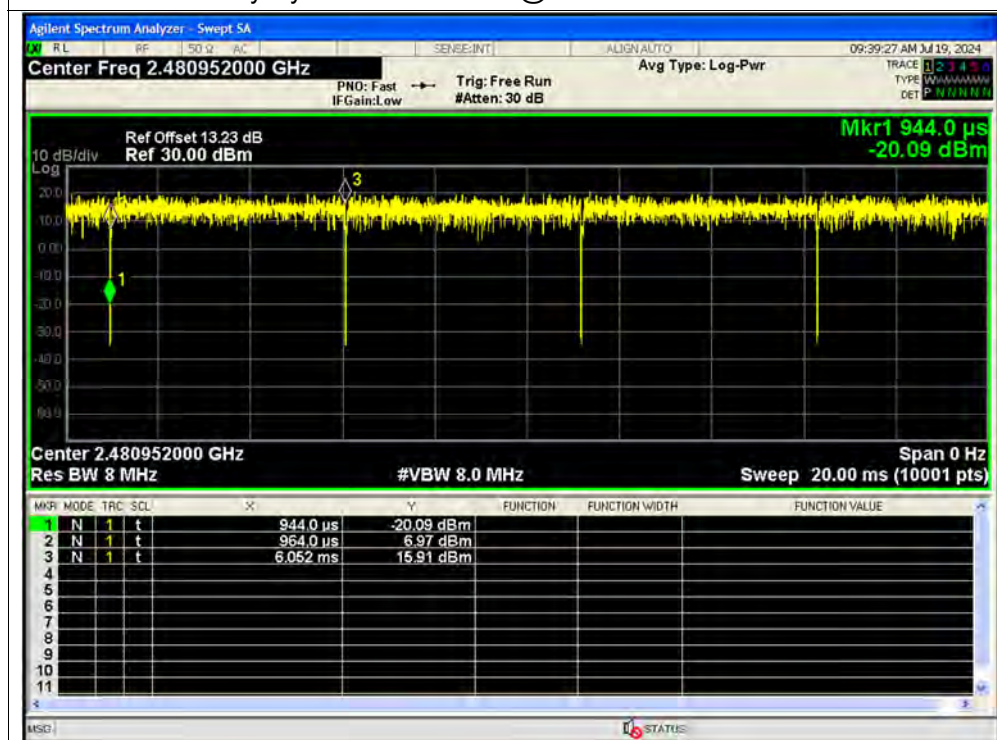




Duty Cycle NVNT ax20 26@8 2472MHz Ant1 SISO

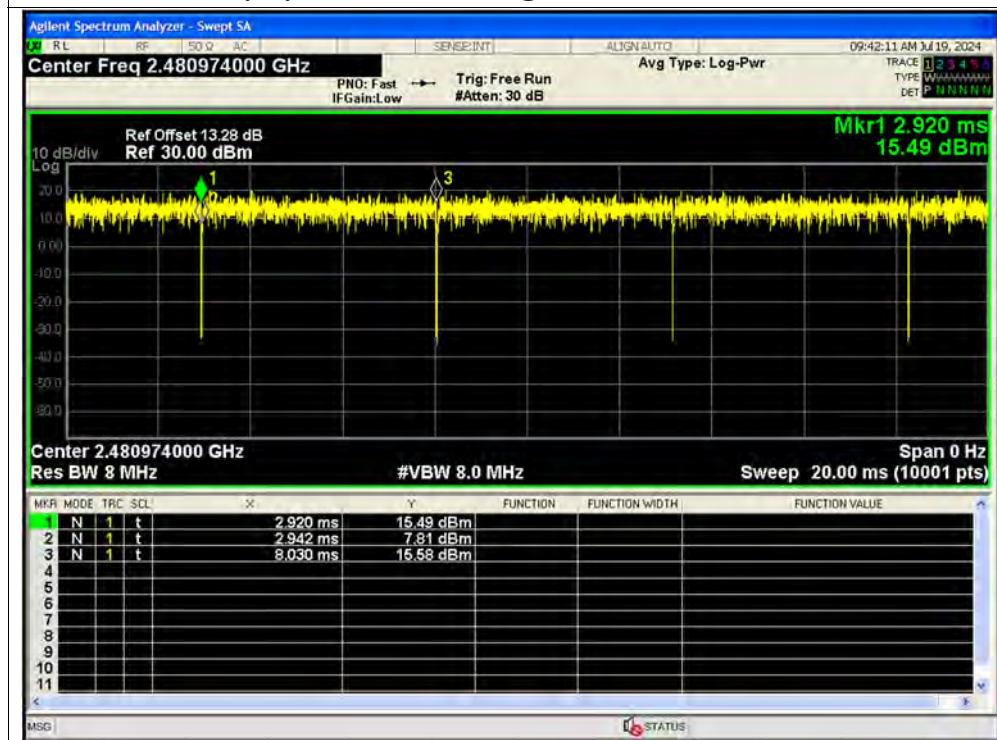


Duty Cycle NVNT ax20 26@8 2472MHz Ant2 SISO

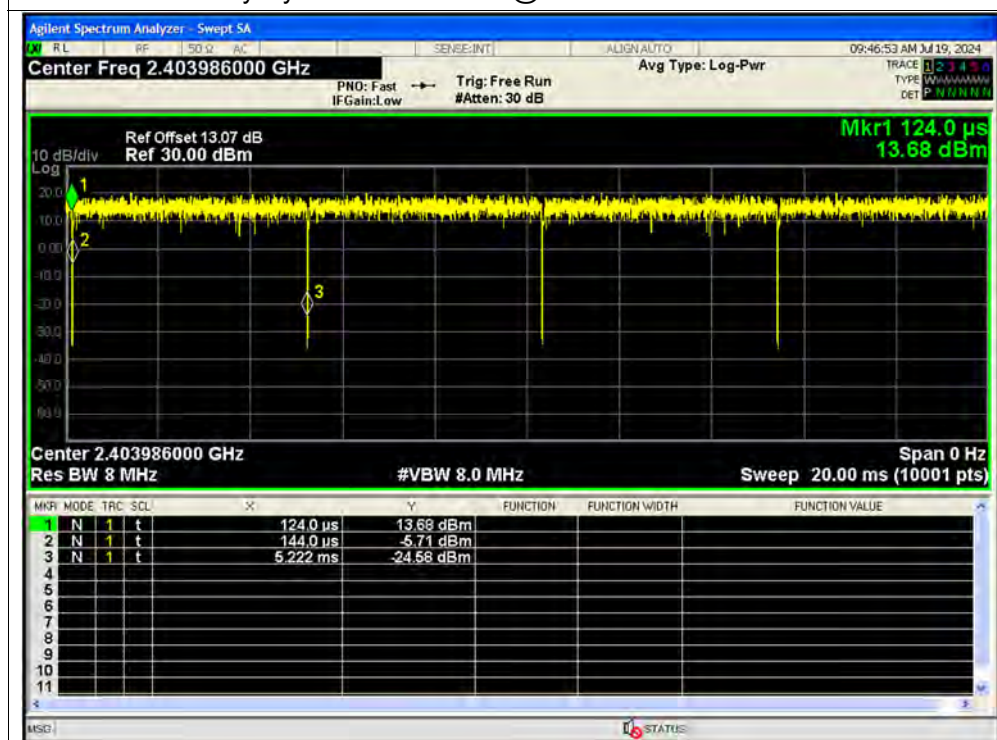




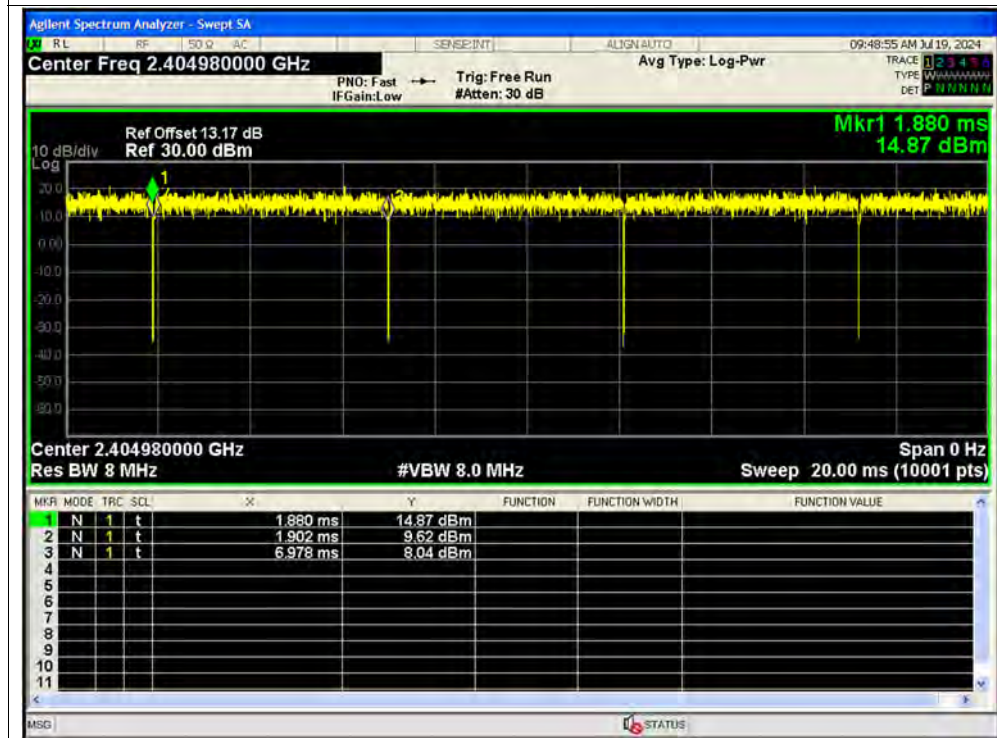
Duty Cycle NVNT ax20 26@8 2472MHz Sum MIMO



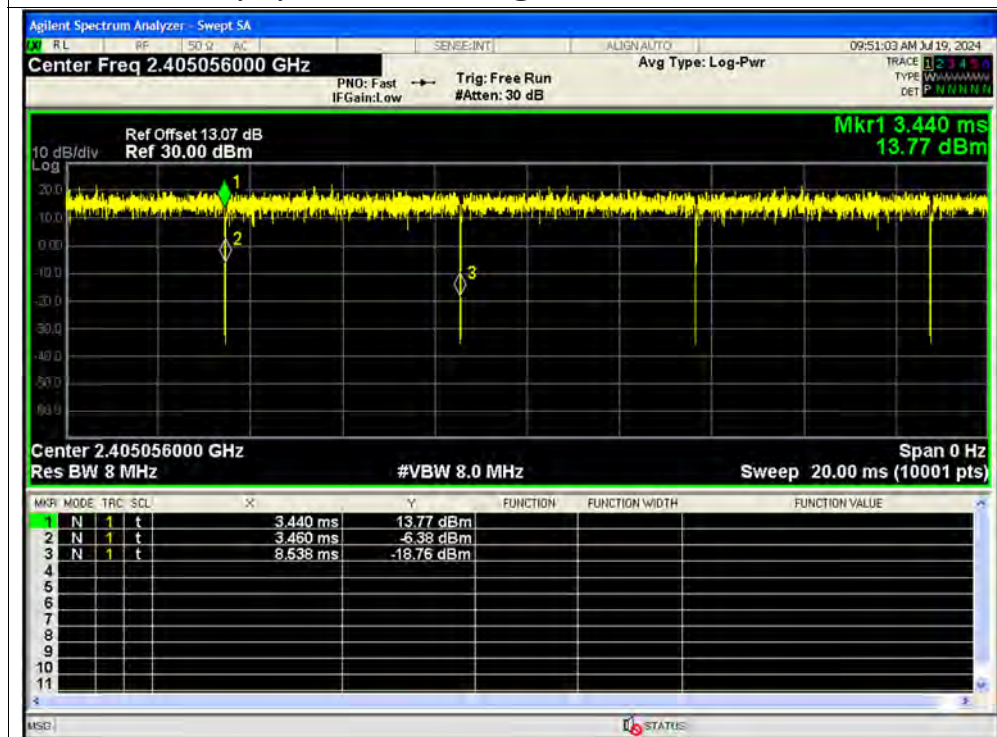
Duty Cycle NVNT ax20 52@37 2412MHz Ant1 SISO



Duty Cycle NVNT ax20 52@37 2412MHz Ant2 SISO

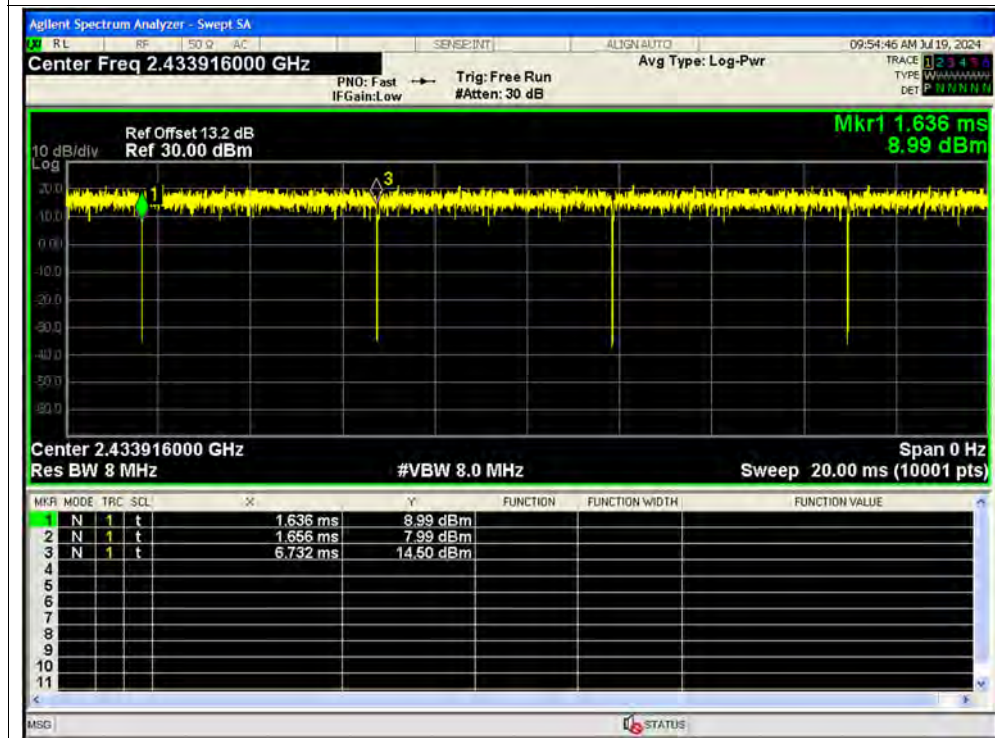


Duty Cycle NVNT ax20 52@37 2412MHz Sum MIMO

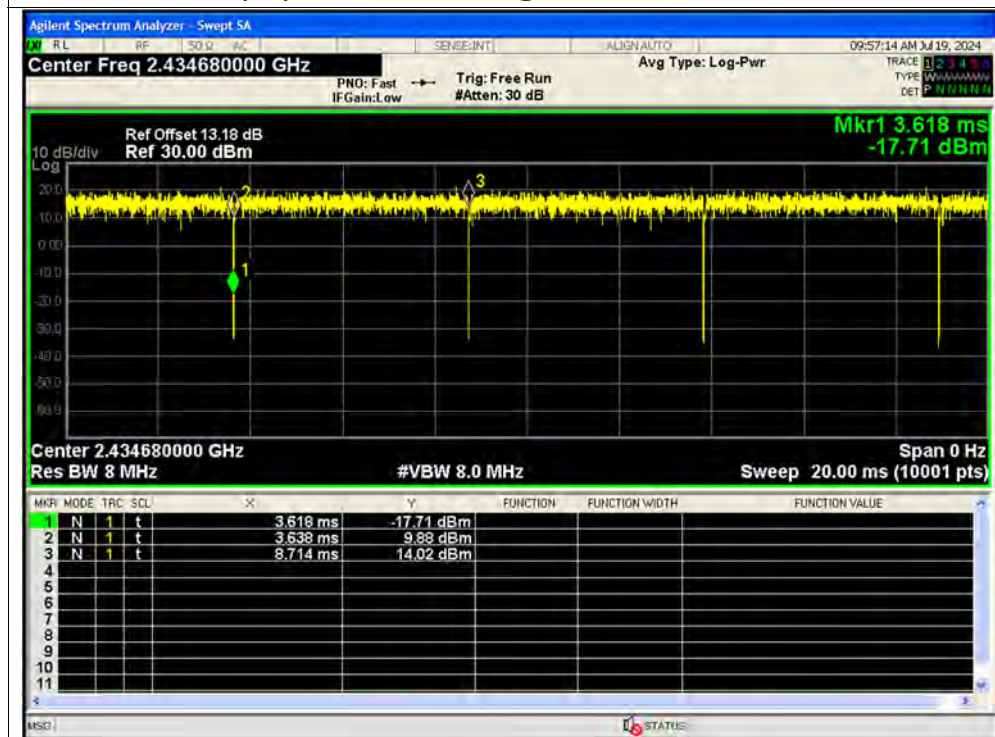




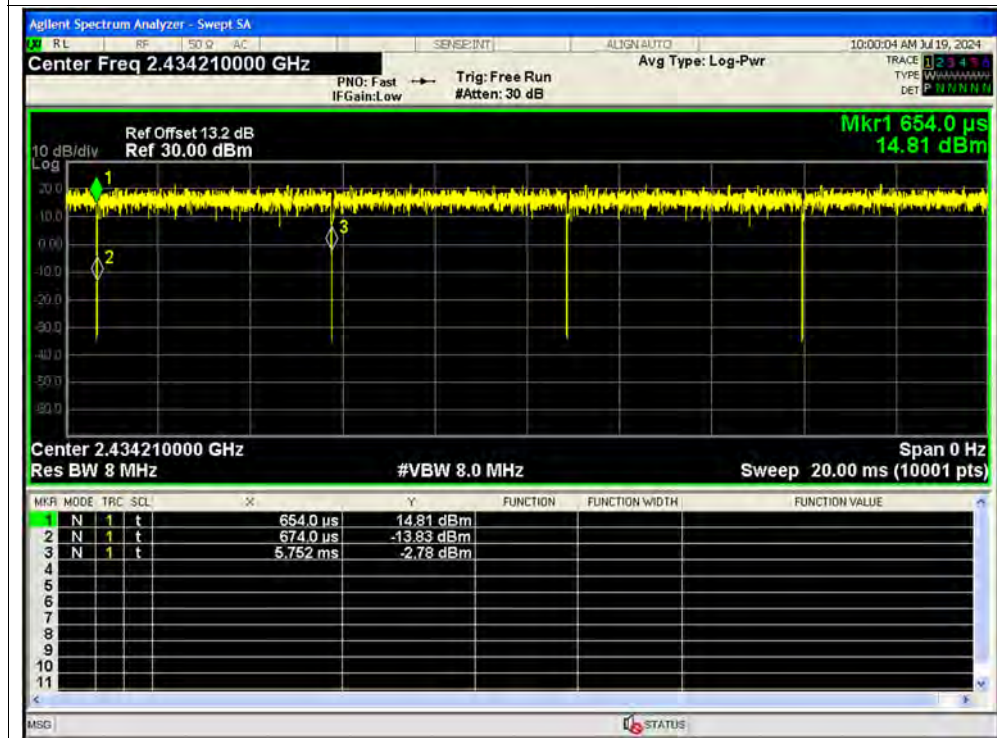
Duty Cycle NVNT ax20 52@38 2442MHz Ant1 SISO



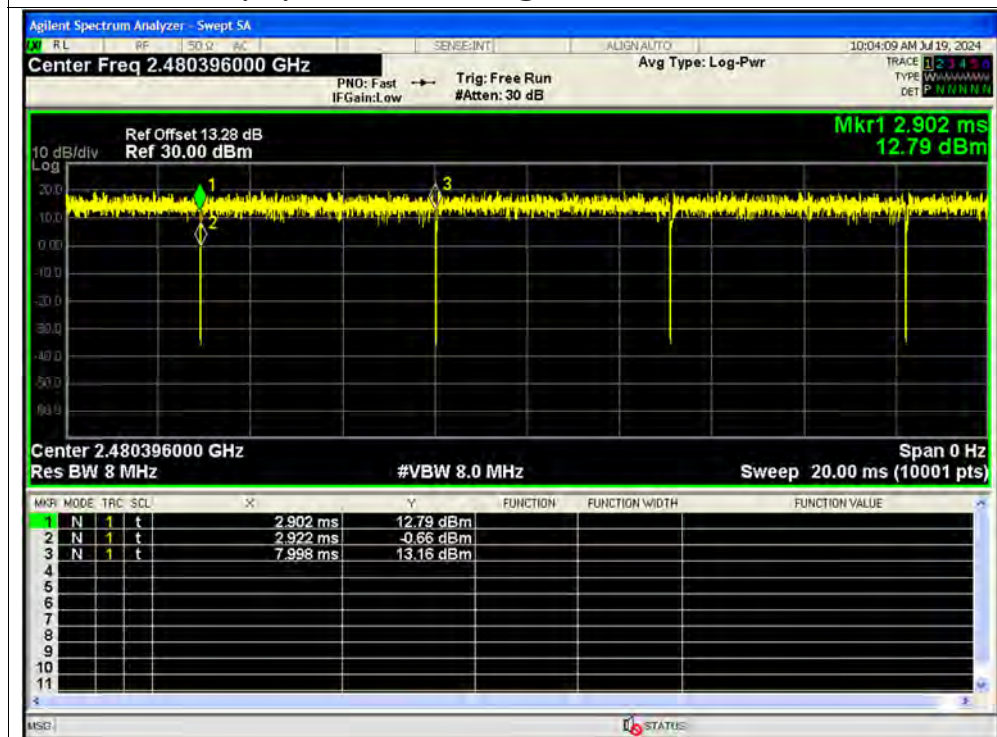
Duty Cycle NVNT ax20 52@38 2442MHz Ant2 SISO



Duty Cycle NVNT ax20 52@38 2442MHz Sum MIMO

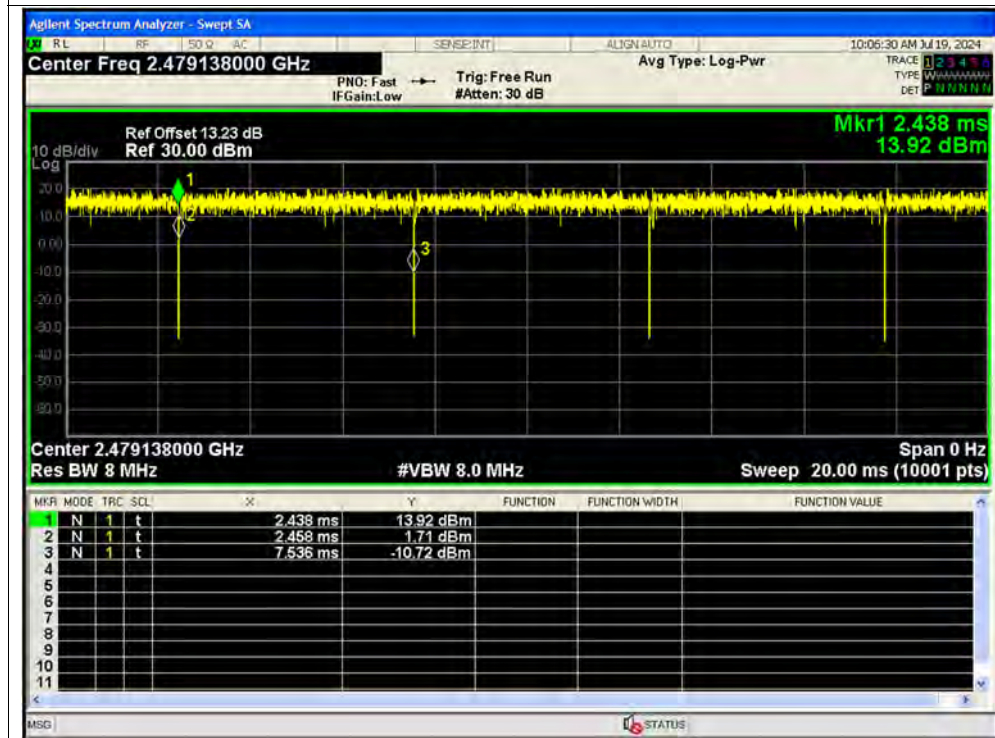


Duty Cycle NVNT ax20 52@40 2472MHz Ant1 SISO

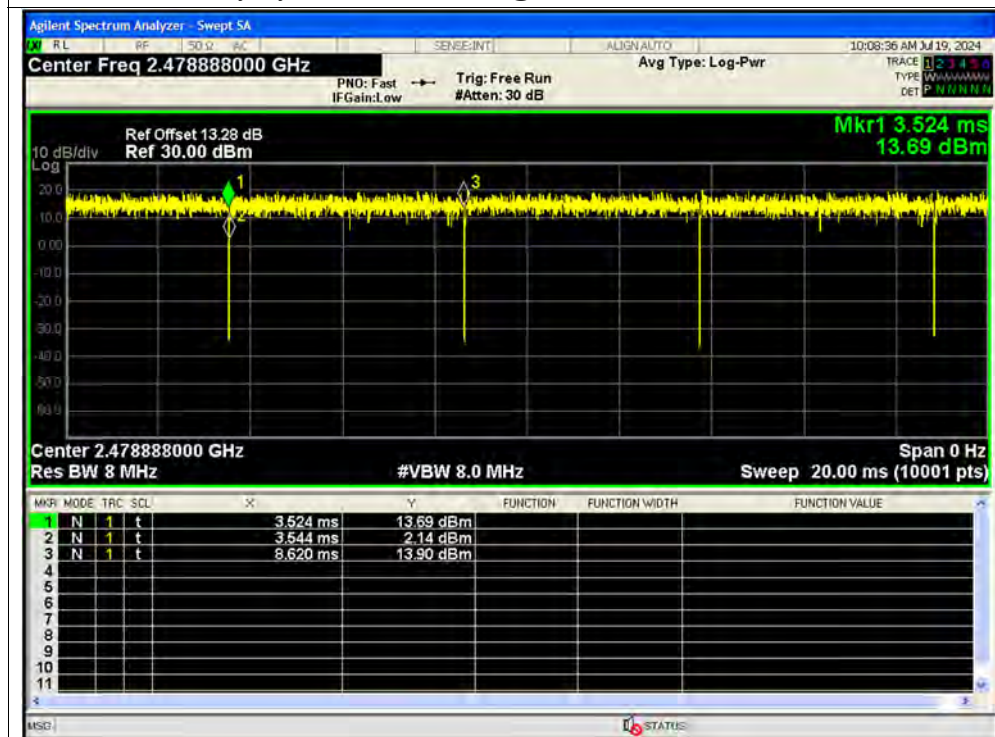




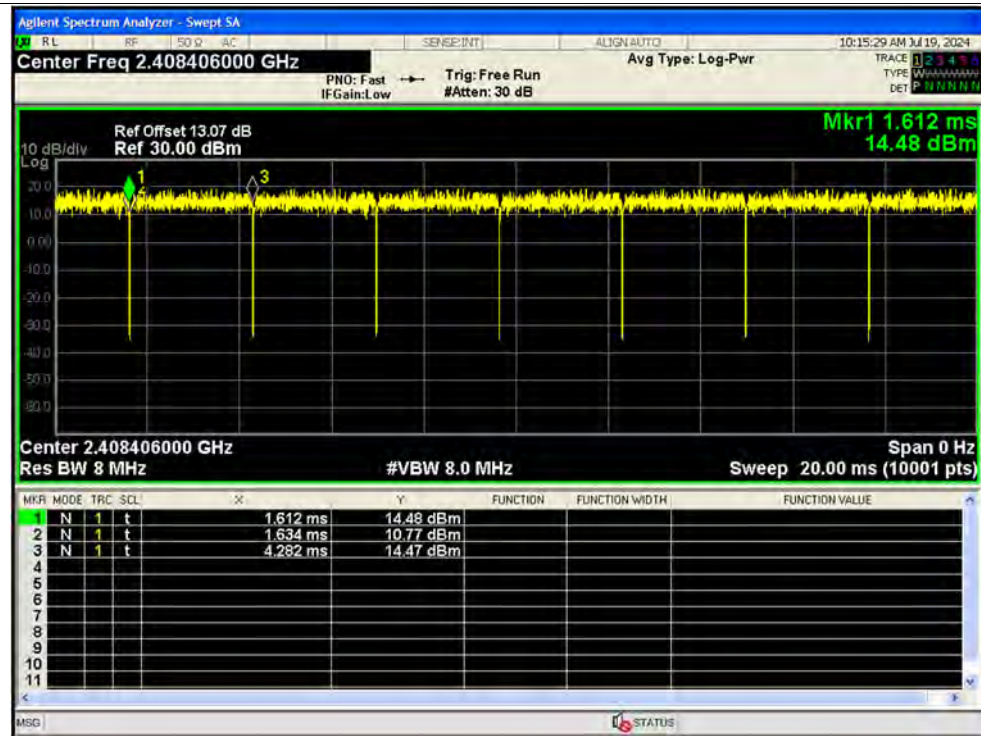
Duty Cycle NVNT ax20 52@40 2472MHz Ant2 SISO



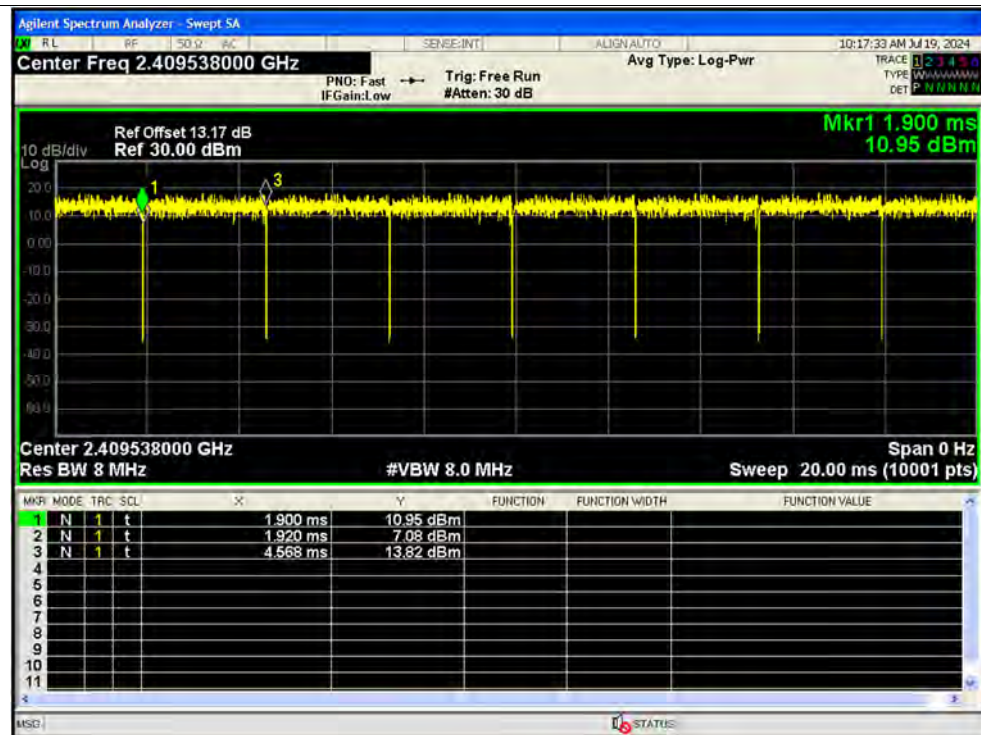
Duty Cycle NVNT ax20 52@40 2472MHz Sum MIMO



Duty Cycle NVNT ax20 106@53 2412MHz Ant1 SISO

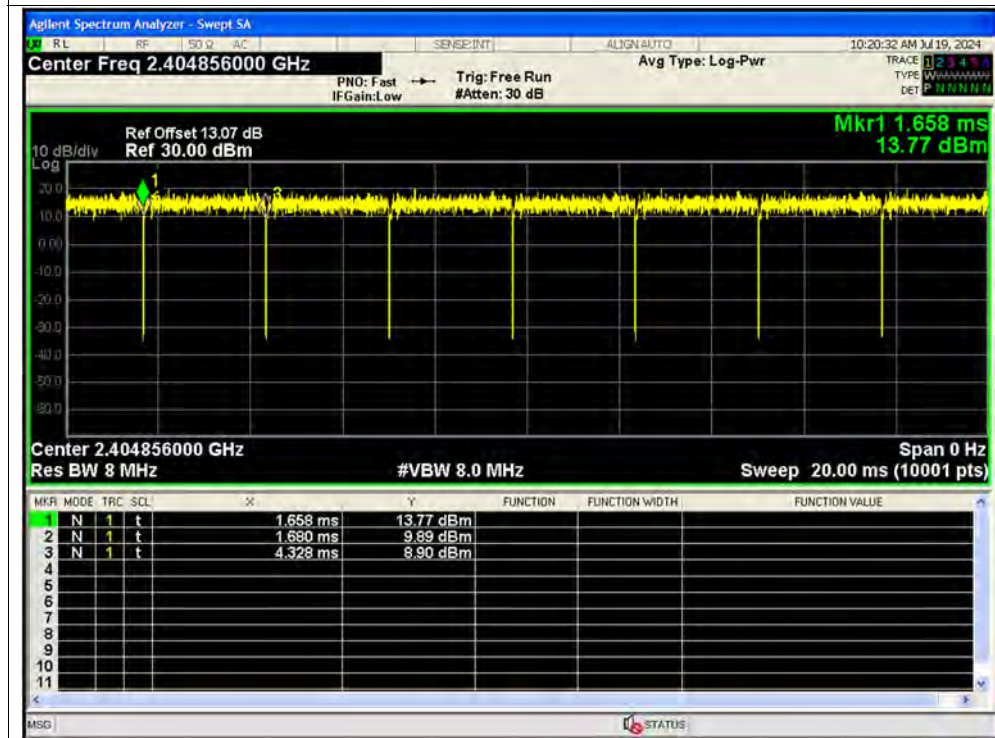


Duty Cycle NVNT ax20 106@53 2412MHz Ant2 SISO

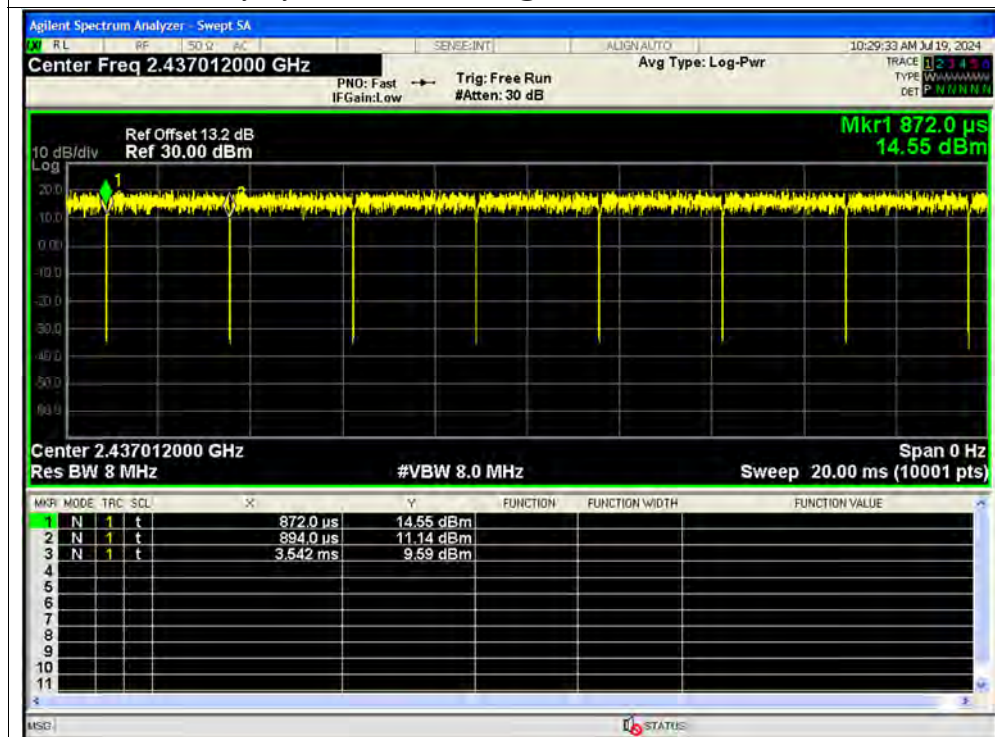




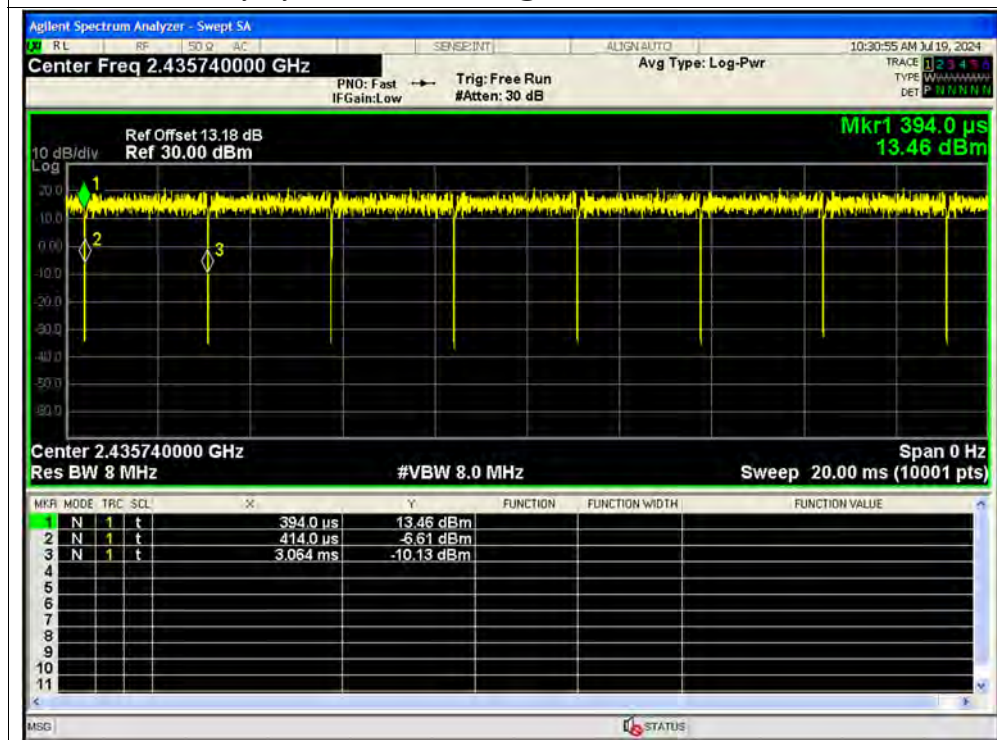
Duty Cycle NVNT ax20 106@53 2412MHz Sum MIMO



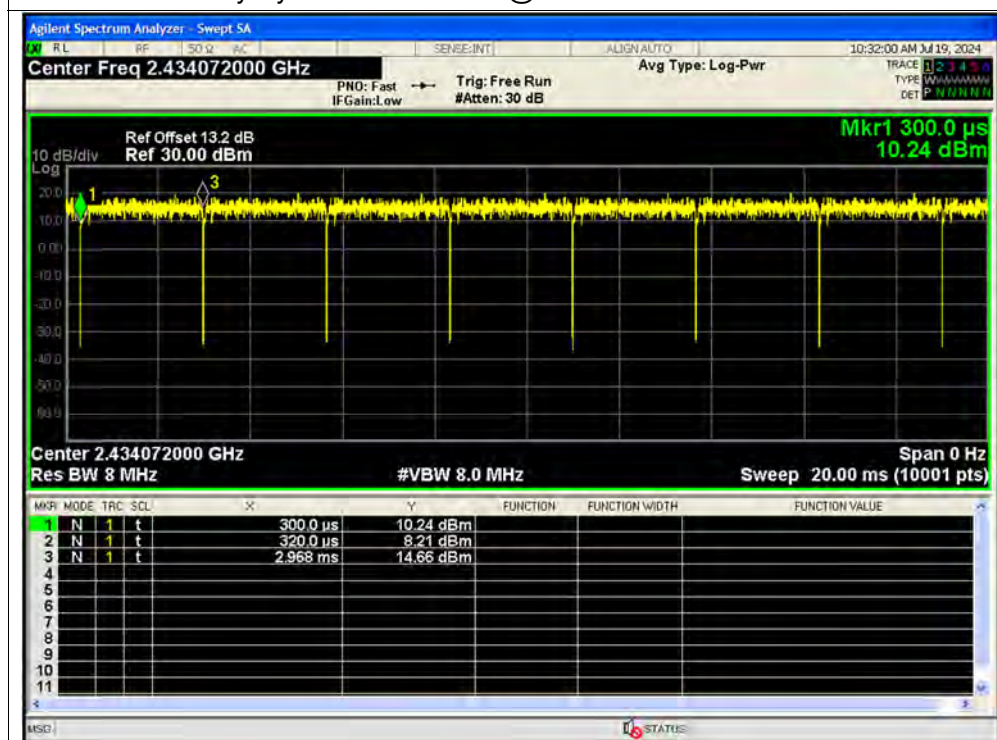
Duty Cycle LVLT ax20 106@53 2442MHz Ant1 SISO



Duty Cycle LVLTL ax20 106@53 2442MHz Ant2 SISO

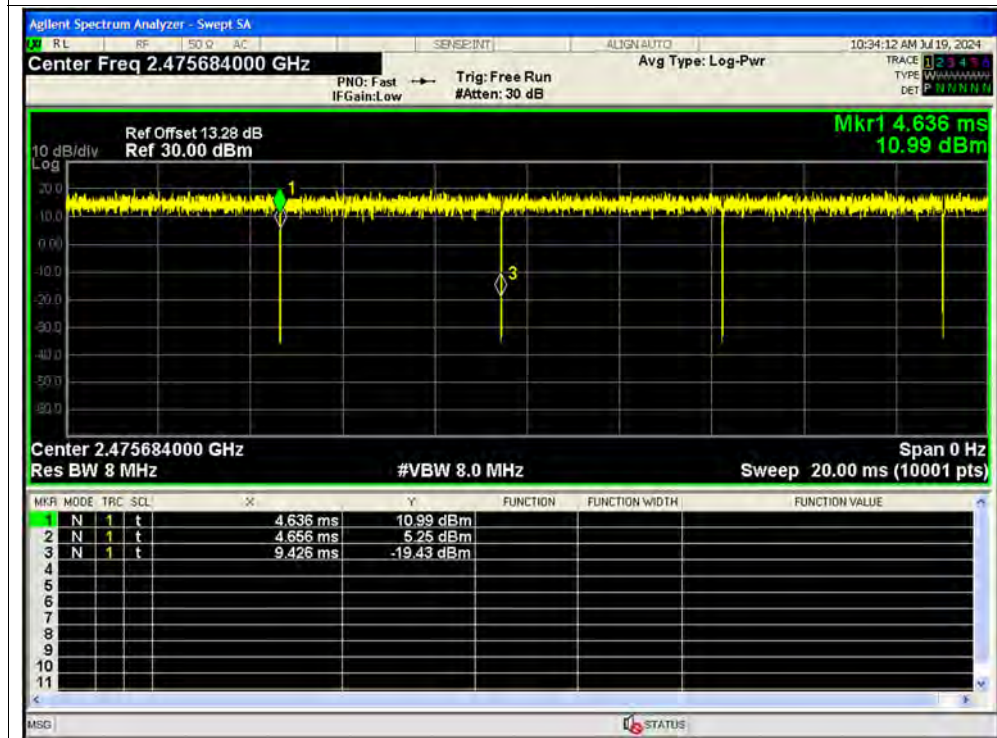


Duty Cycle LVLTL ax20 106@53 2442MHz Sum MIMO

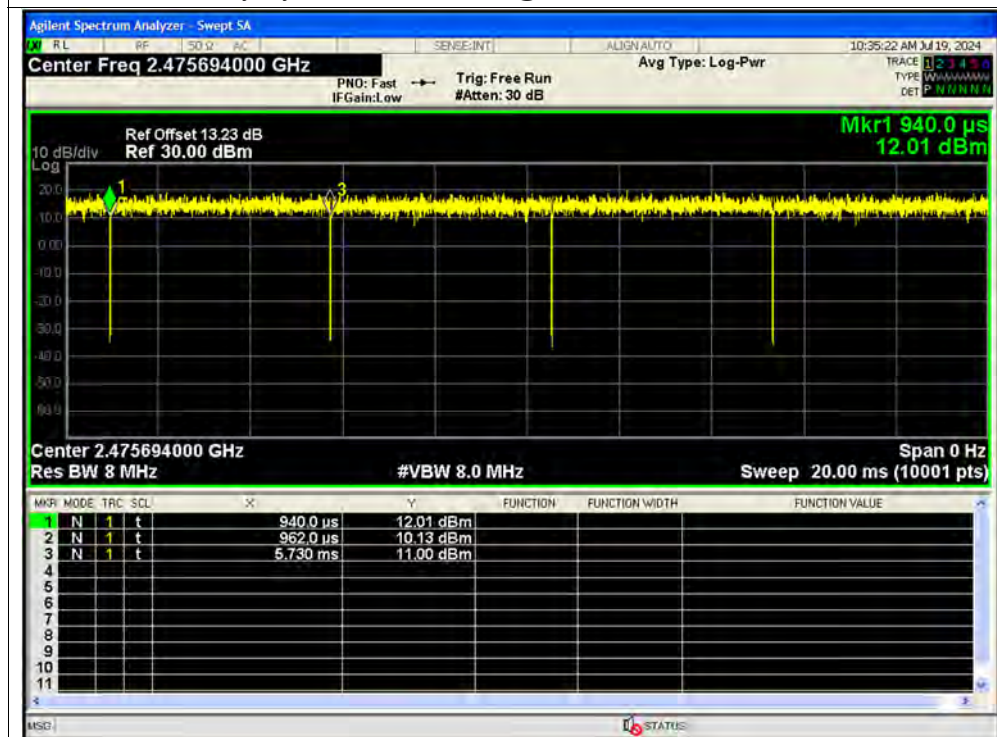




Duty Cycle LVLT ax20 106@54 2472MHz Ant1 SISO

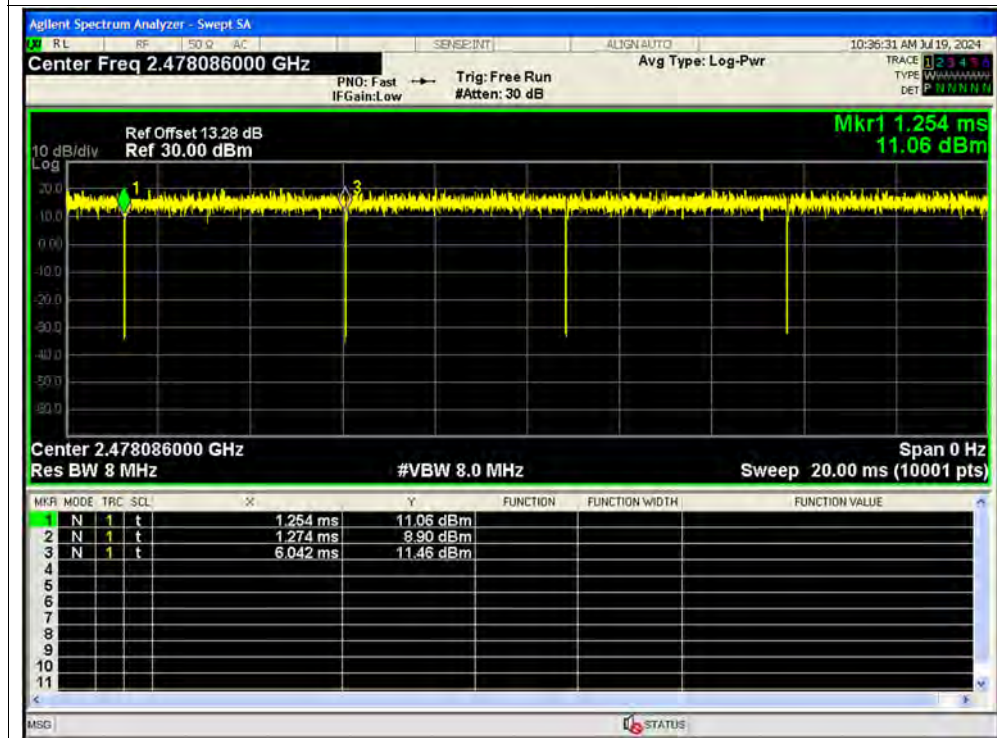


Duty Cycle LVLT ax20 106@54 2472MHz Ant2 SISO

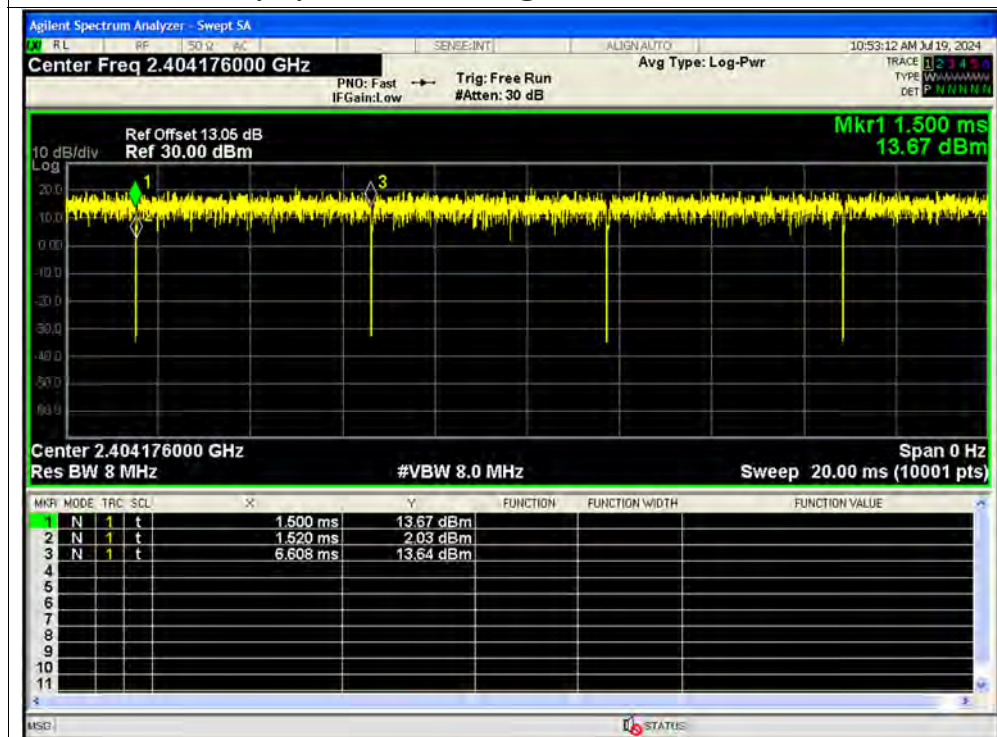




Duty Cycle LVLt ax20 106@54 2472MHz Sum MIMO

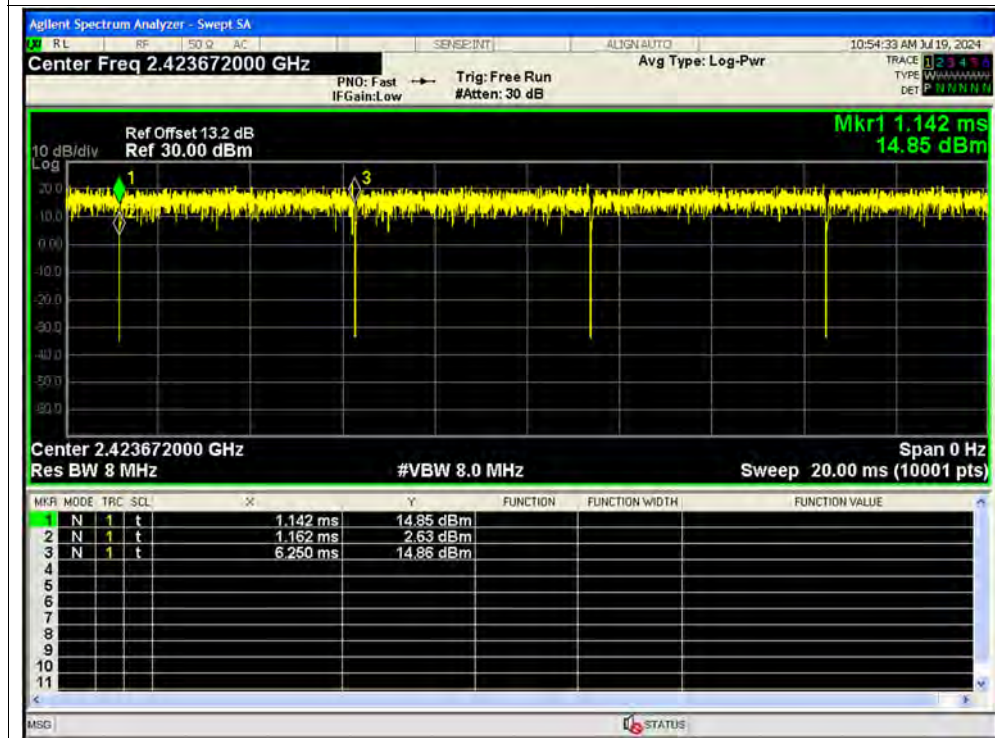


Duty Cycle LVLt ax40 26@0 2422MHz Ant1 SISO

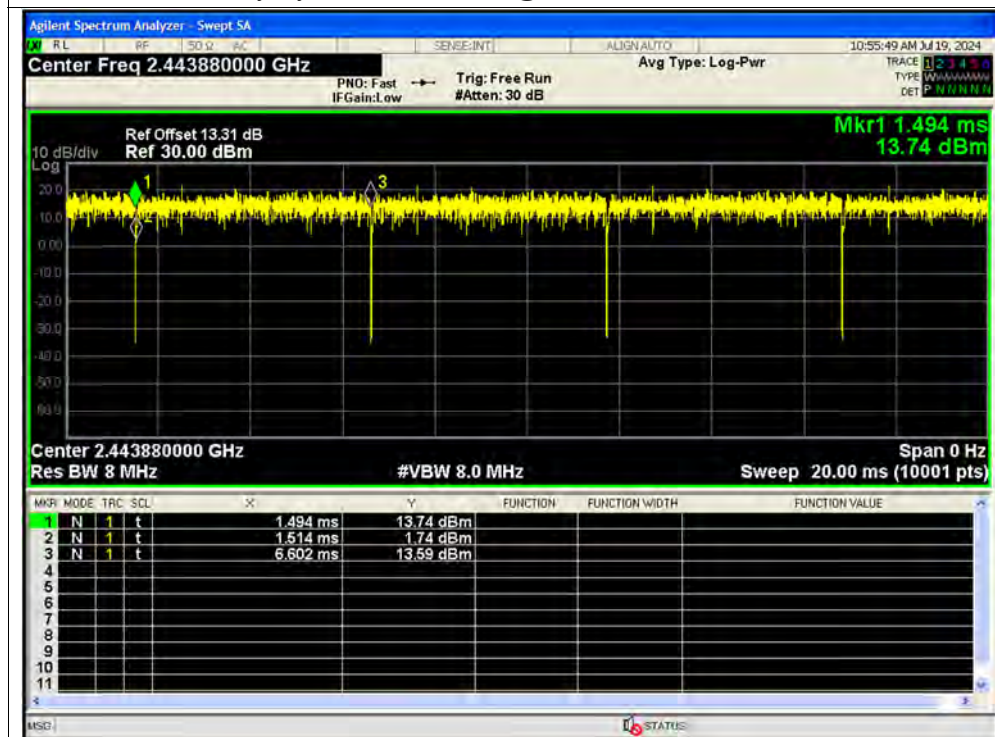




Duty Cycle LVLTL ax40 26@0 2442MHz Ant1 SISO

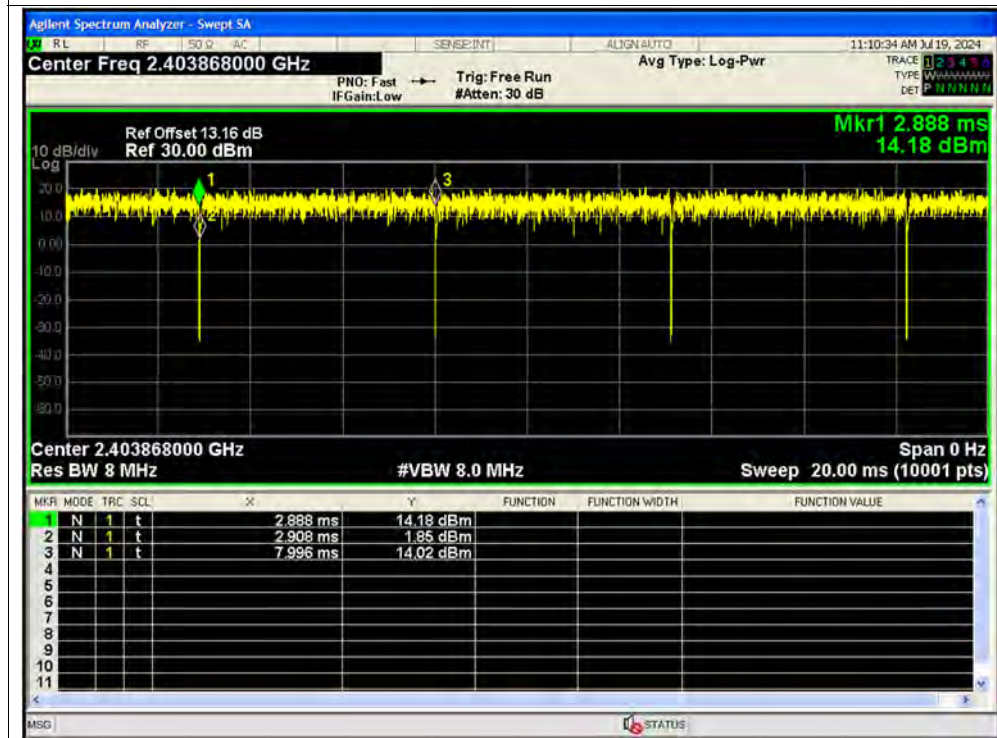


Duty Cycle LVLTL ax40 26@0 2462MHz Ant1 SISO

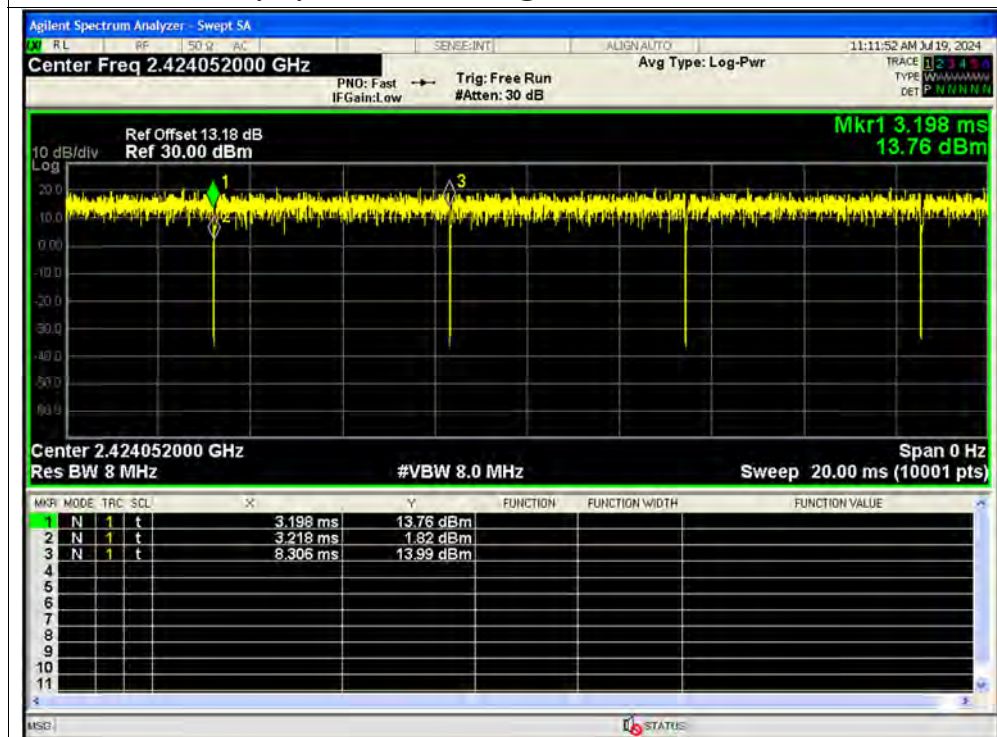




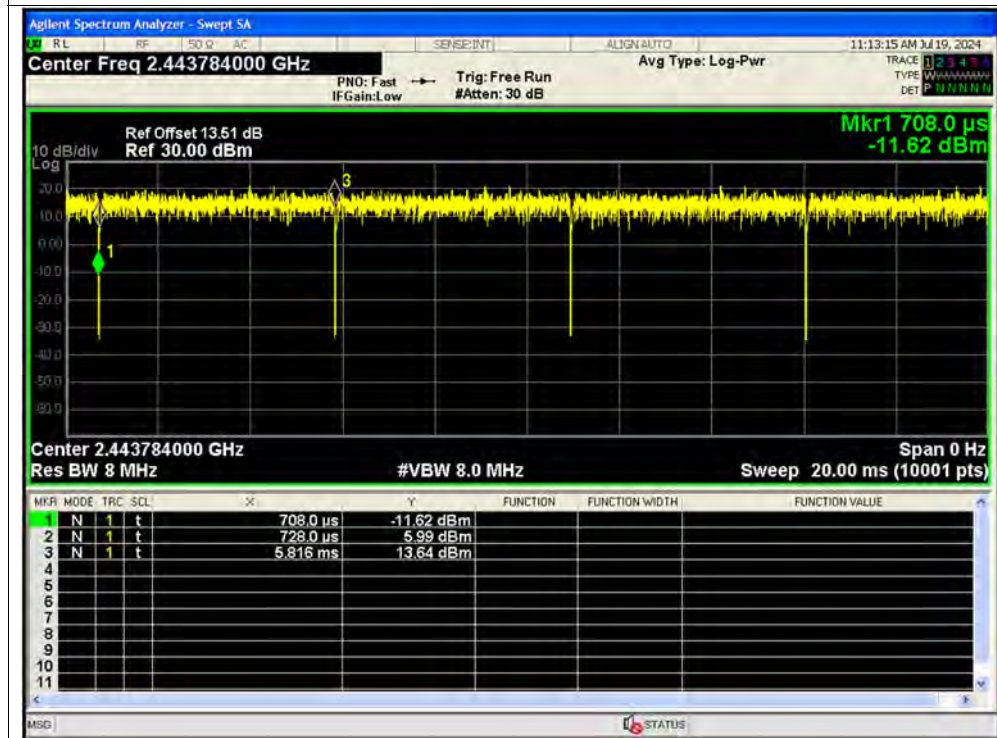
Duty Cycle LVLt ax40 26@0 2422MHz Ant2 SISO



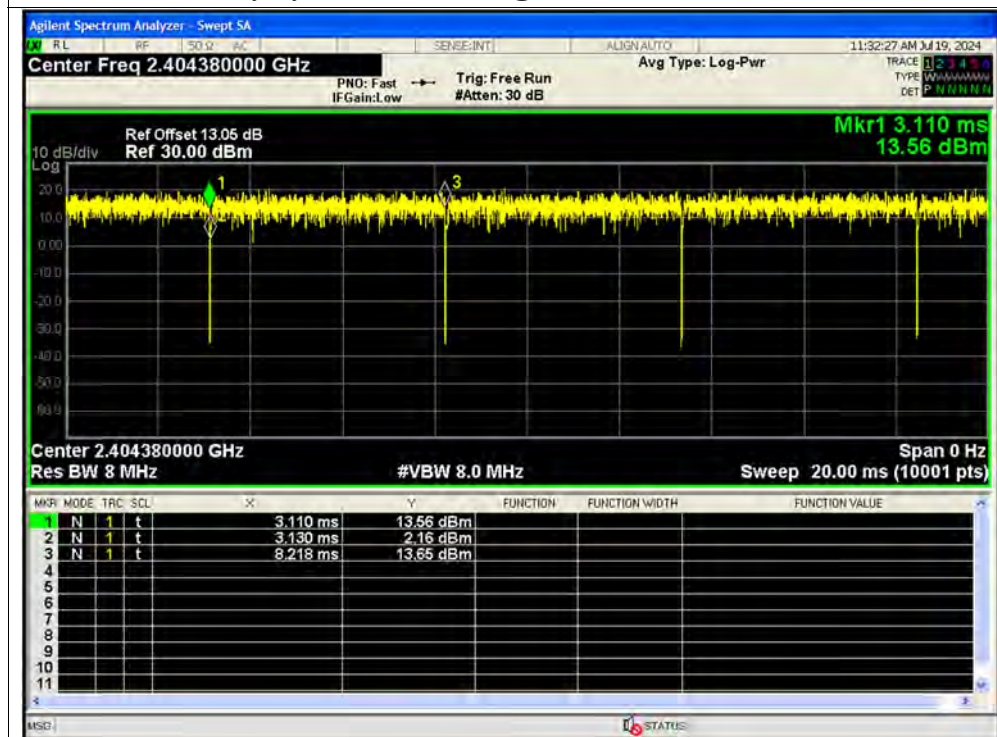
Duty Cycle LVLt ax40 26@0 2442MHz Ant2 SISO



Duty Cycle LVLt ax40 26@0 2462MHz Ant2 SISO

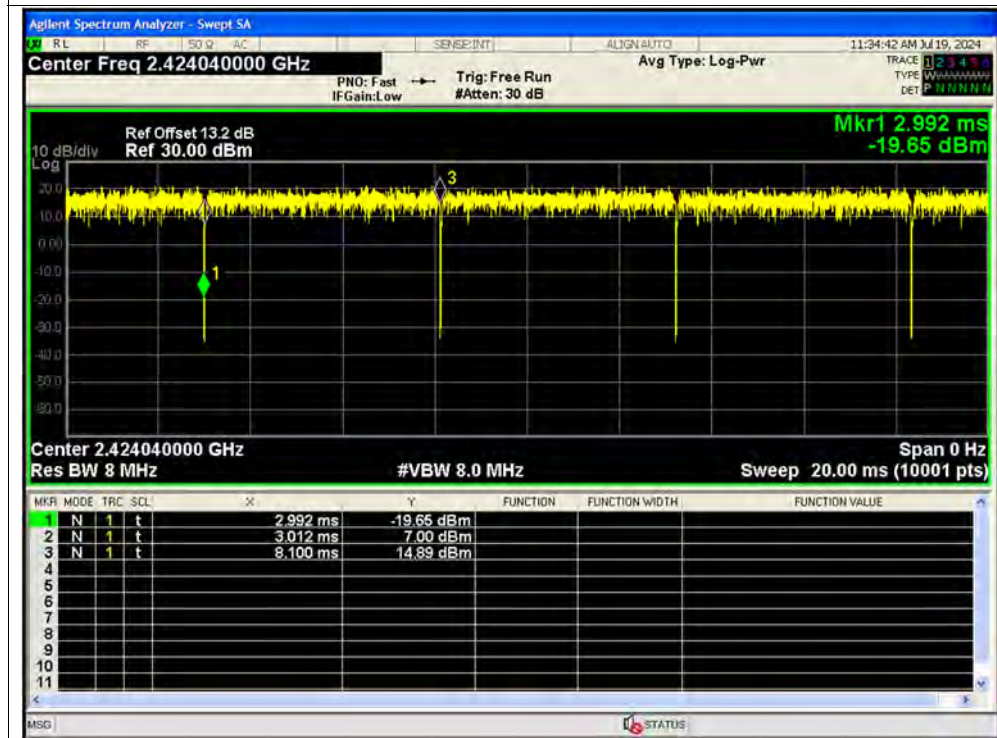


Duty Cycle LVLt ax40 26@0 2422MHz Sum MIMO

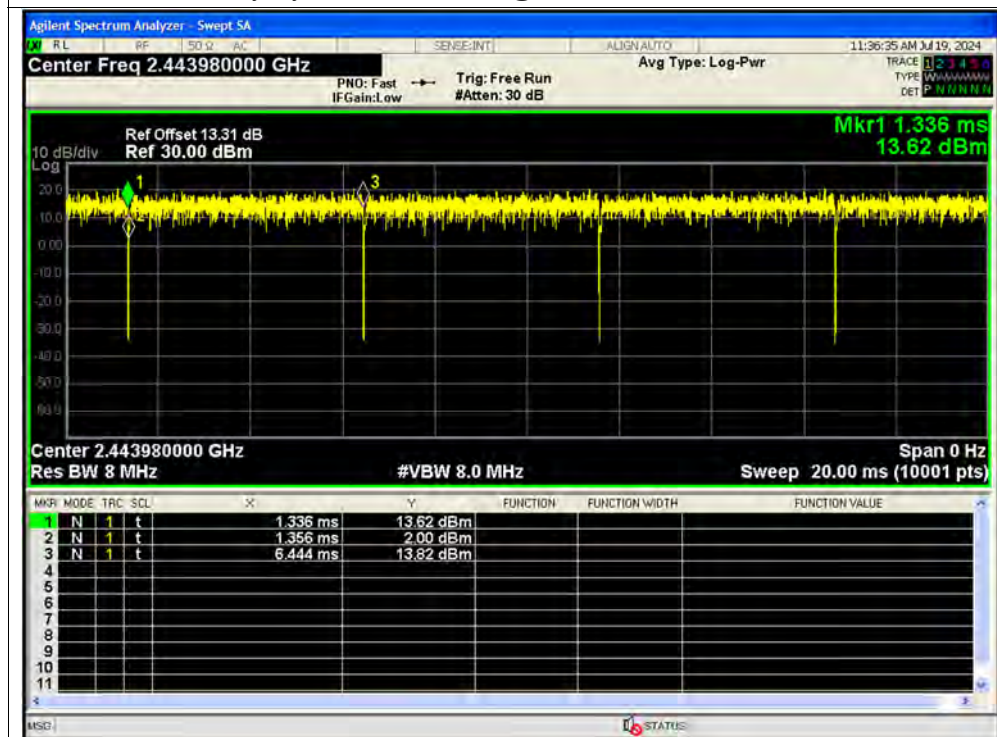




Duty Cycle LVLTL ax40 26@0 2442MHz Sum MIMO

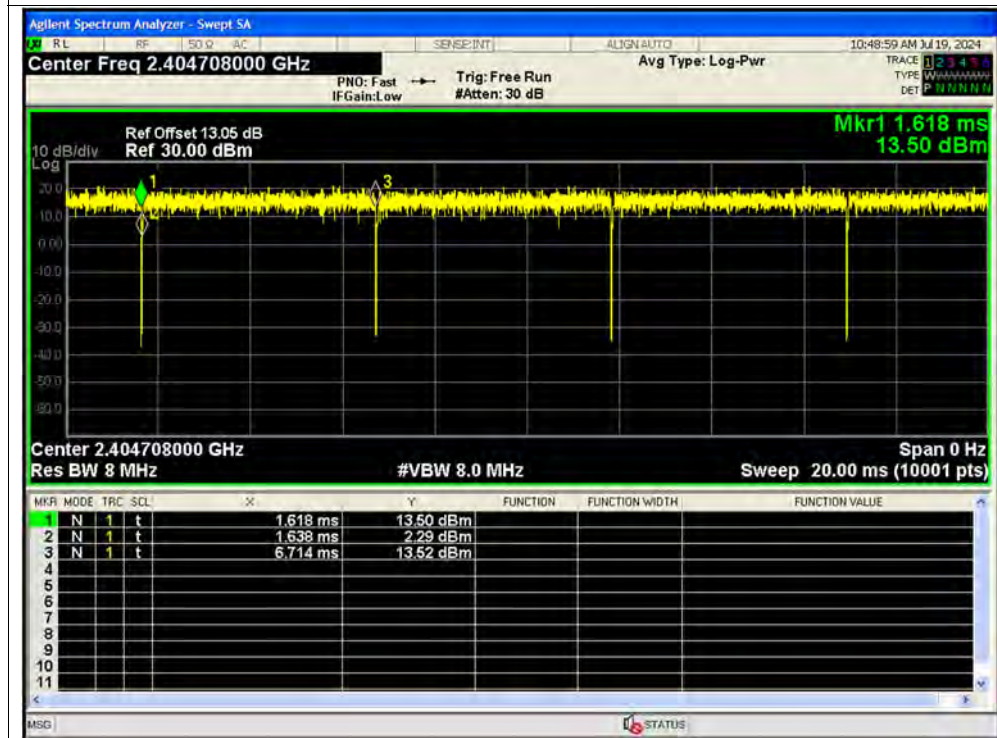


Duty Cycle LVLTL ax40 26@0 2462MHz Sum MIMO

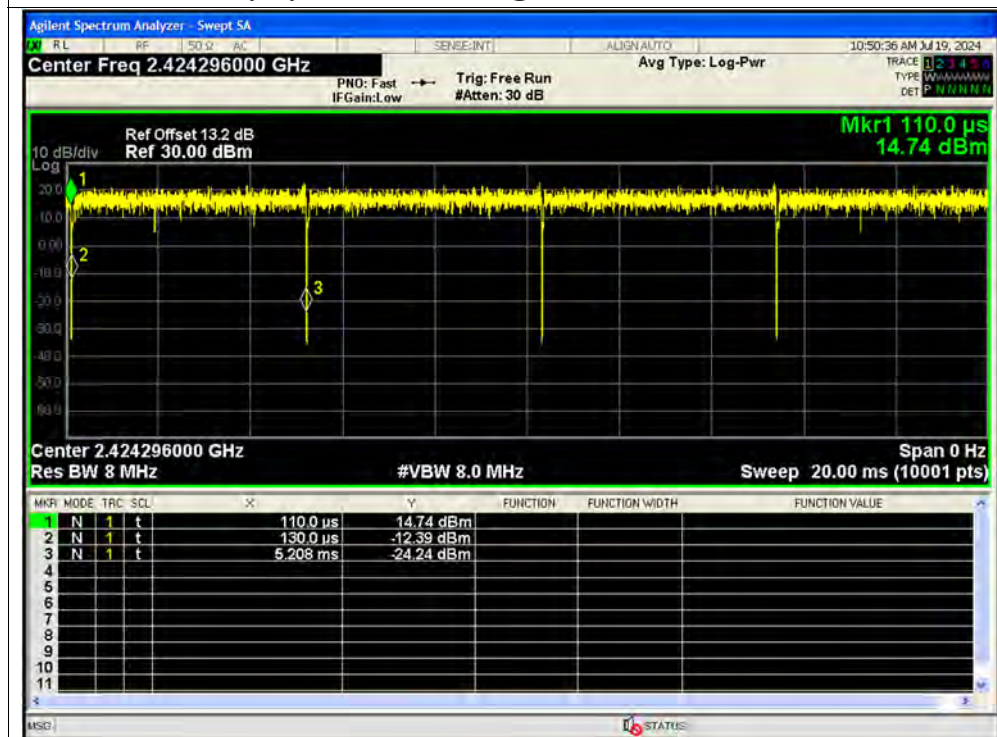




Duty Cycle LVLt ax40 52@37 2422MHz Ant1 SISO

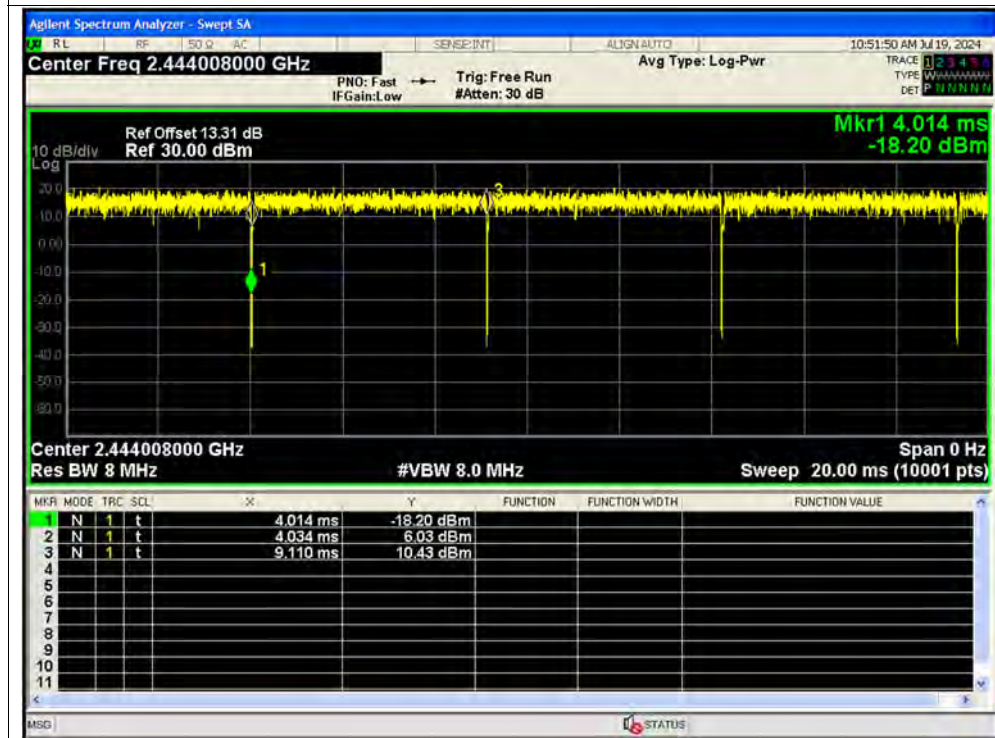


Duty Cycle LVLt ax40 52@37 2442MHz Ant1 SISO

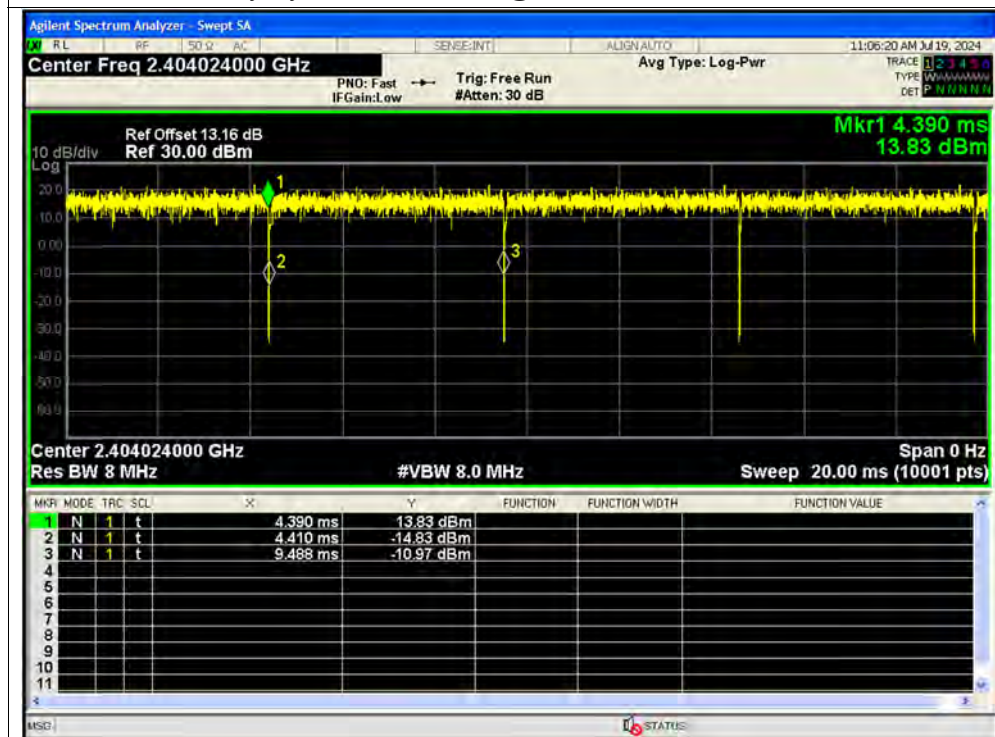




Duty Cycle LVLt ax40 52@37 2462MHz Ant1 SISO

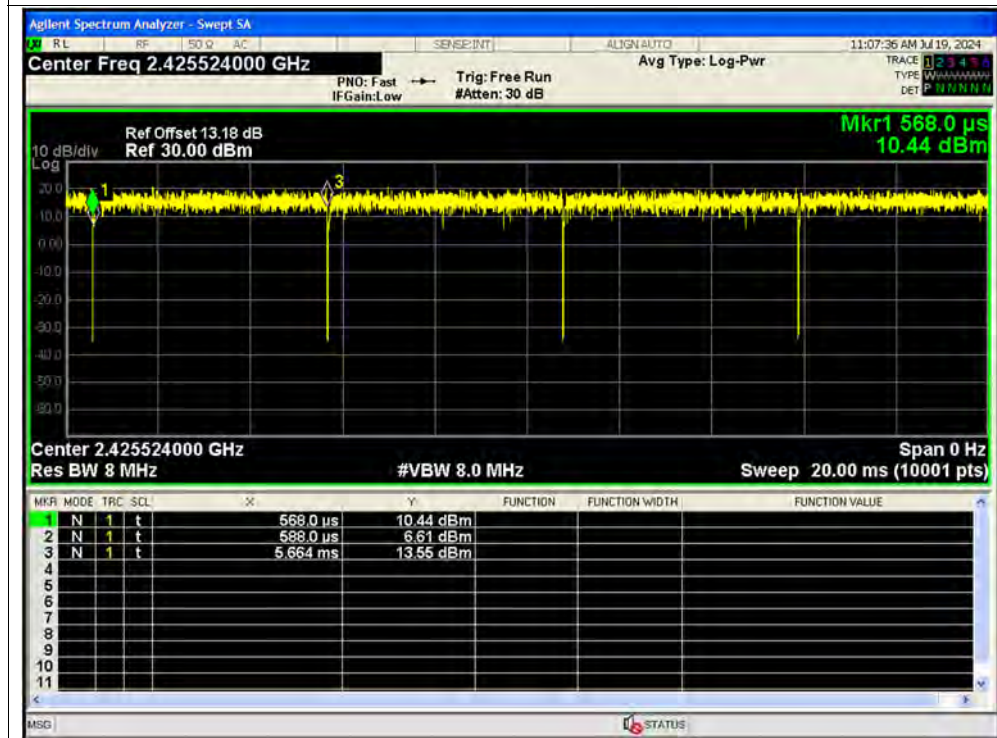


Duty Cycle LVLt ax40 52@37 2422MHz Ant2 SISO

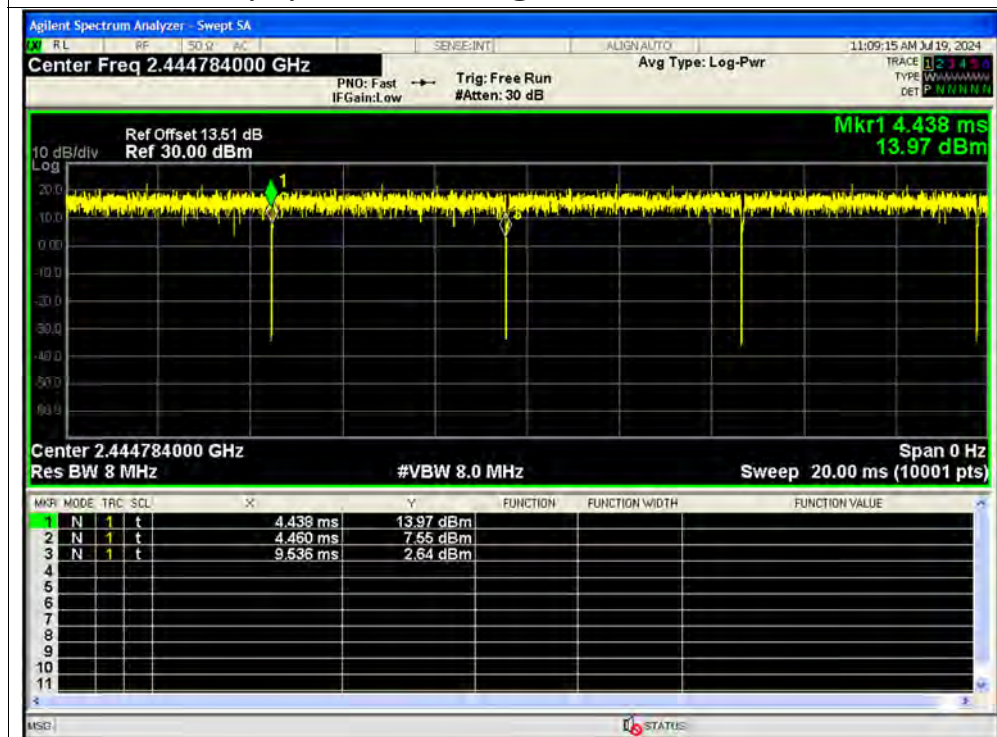




Duty Cycle LVLt ax40 52@37 2442MHz Ant2 SISO

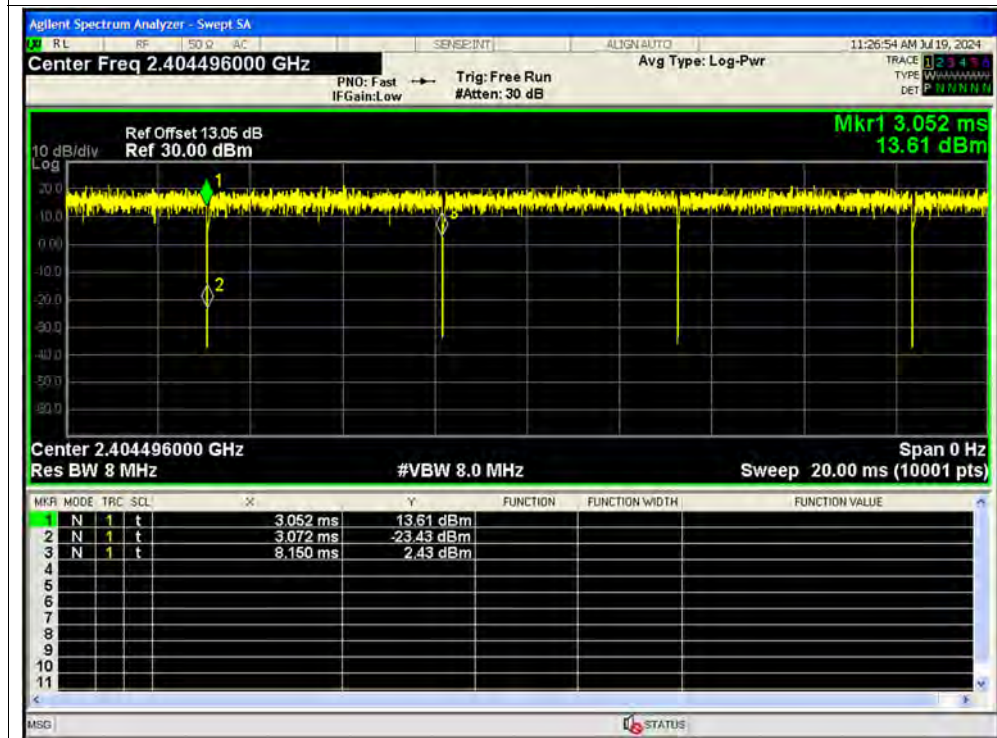


Duty Cycle LVLt ax40 52@37 2462MHz Ant2 SISO

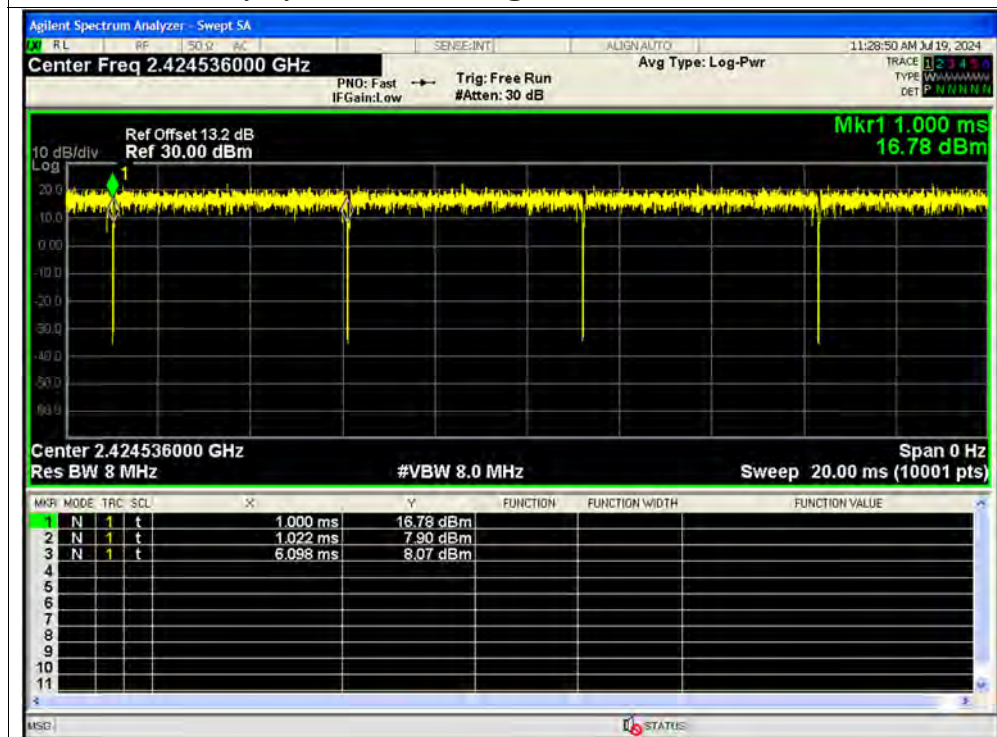




Duty Cycle LVLT ax40 52@37 2422MHz Sum MIMO

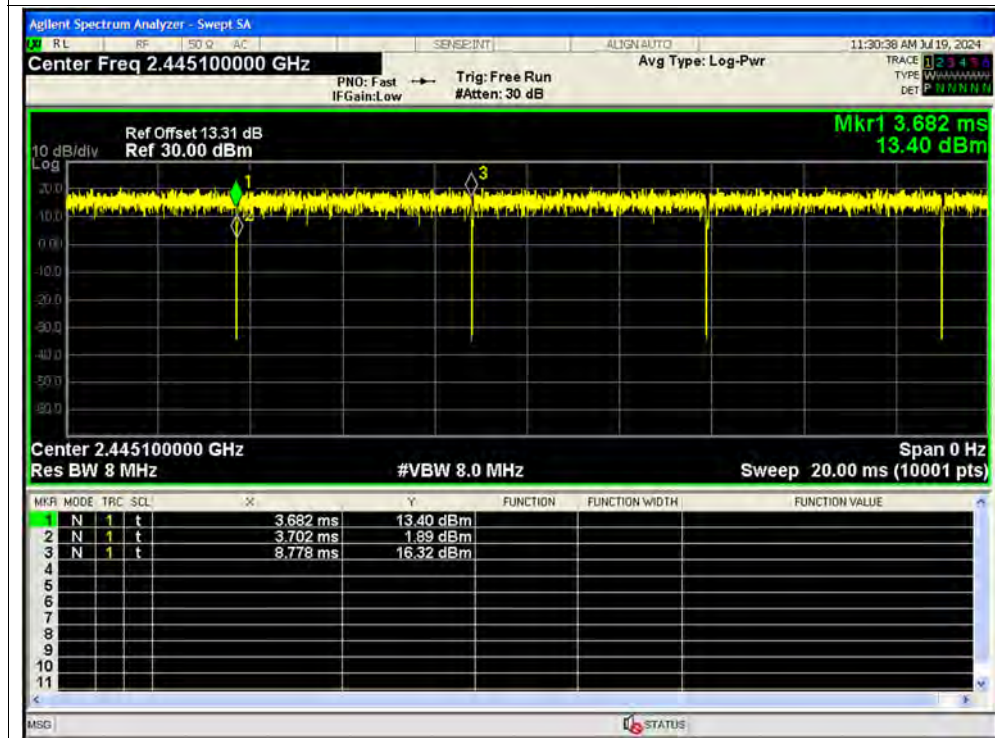


Duty Cycle LVLT ax40 52@37 2442MHz Sum MIMO

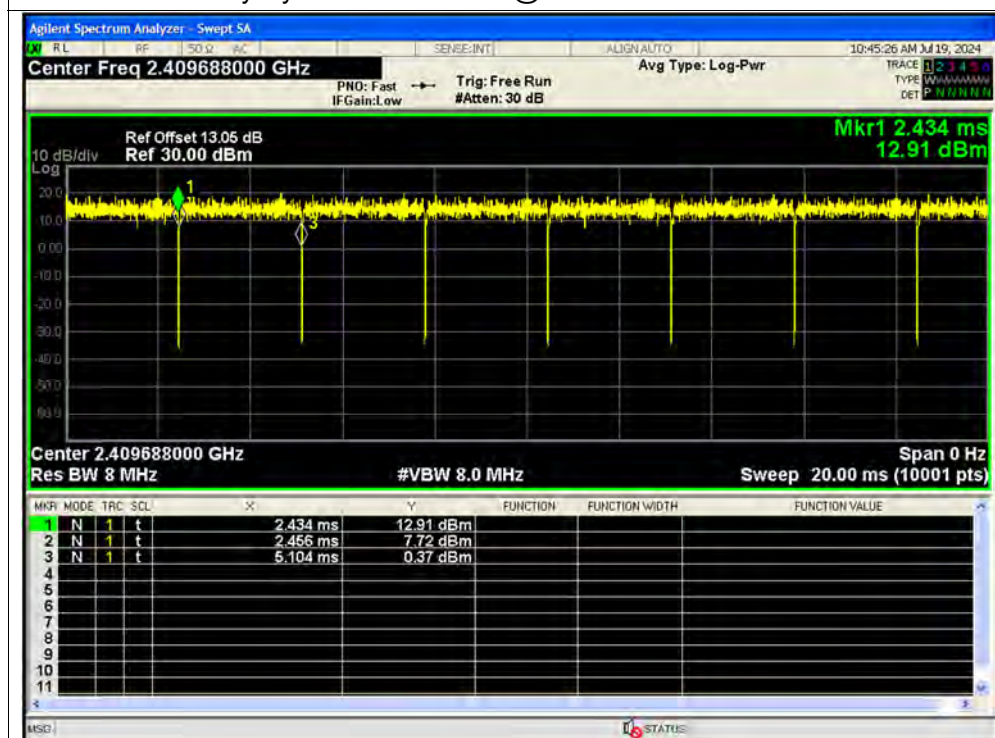




Duty Cycle LVLTL ax40 52@37 2462MHz Sum MIMO

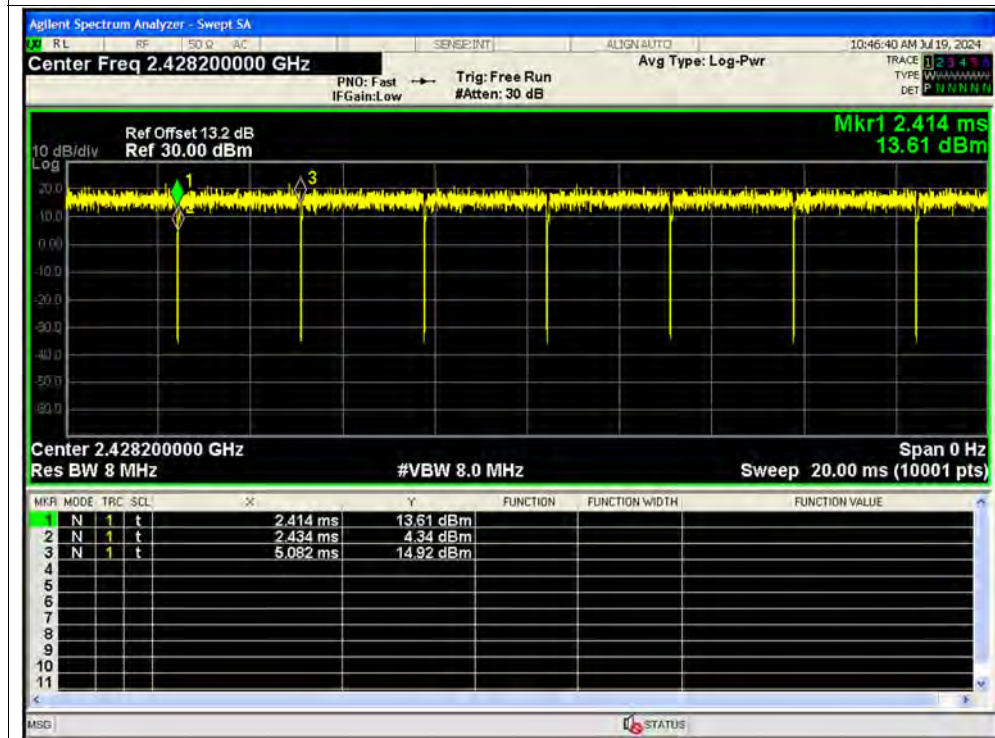


Duty Cycle LVLTL ax40 106@53 2422MHz Ant1 SISO

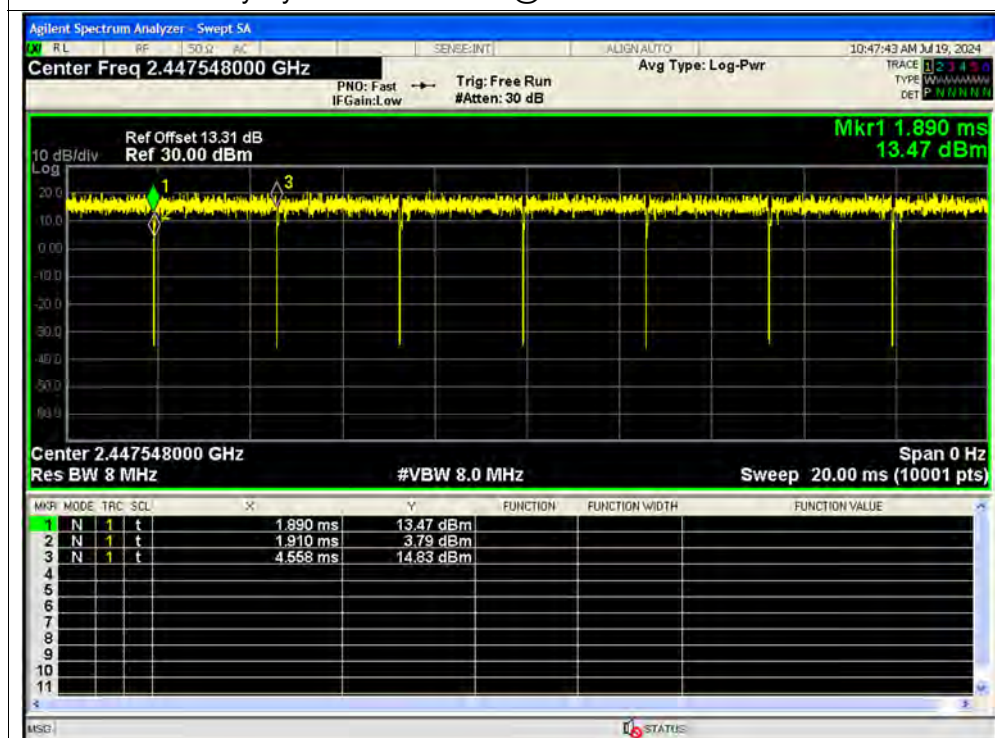




Duty Cycle LVLT ax40 106@53 2442MHz Ant1 SISO

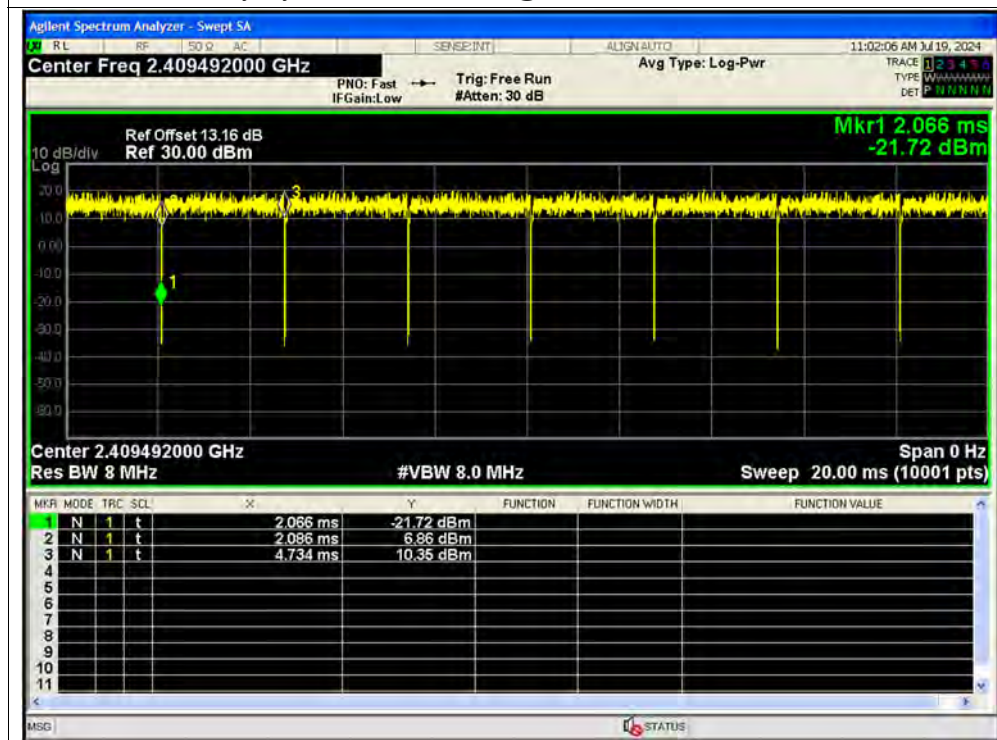


Duty Cycle LVLT ax40 106@53 2462MHz Ant1 SISO

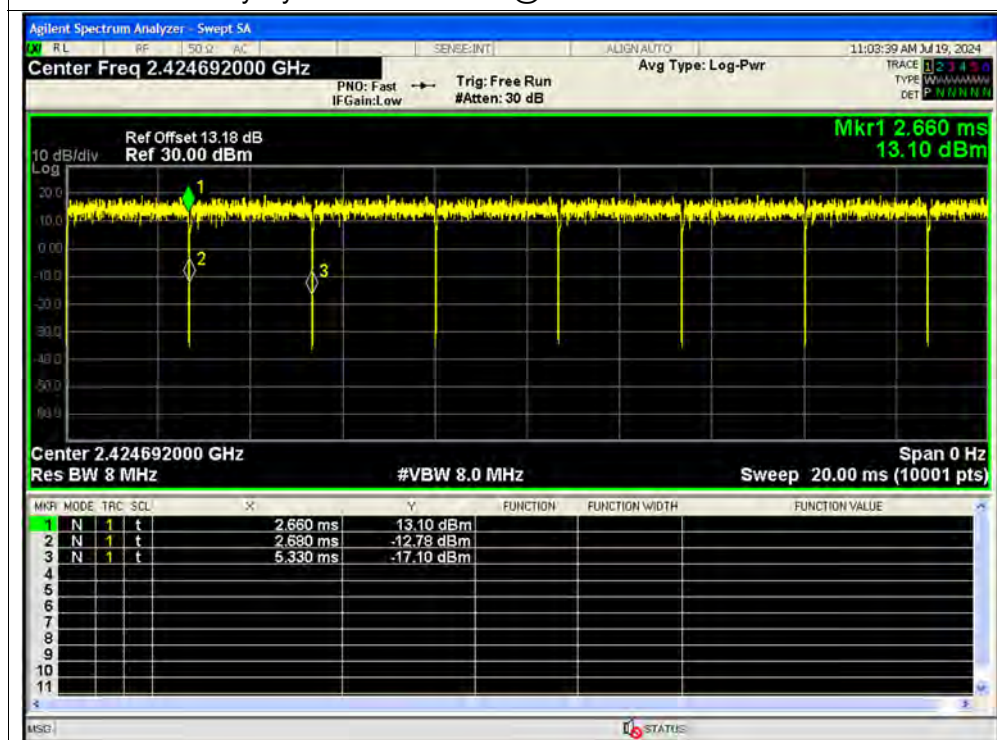




Duty Cycle LVLTL ax40 106@53 2422MHz Ant2 SISO

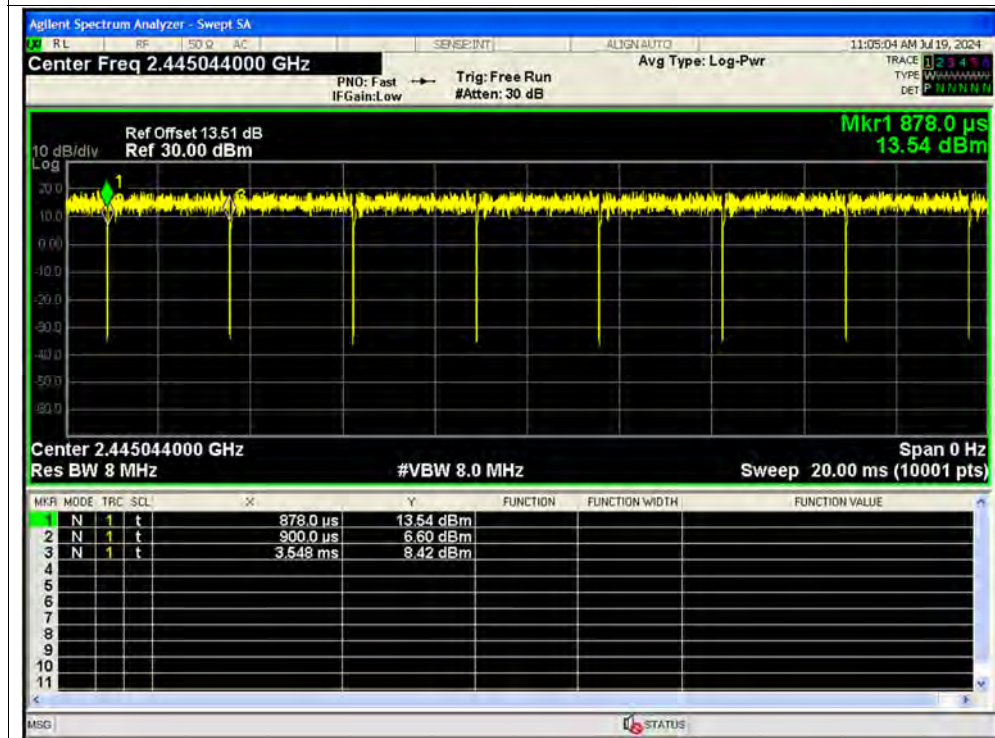


Duty Cycle LVLTL ax40 106@53 2442MHz Ant2 SISO

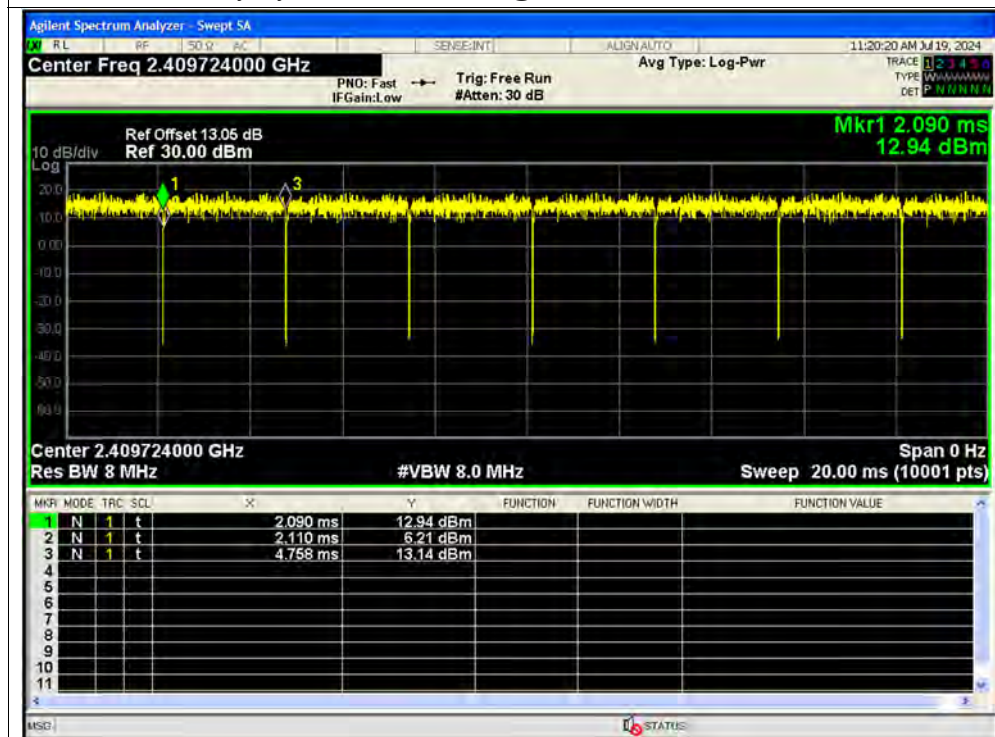




Duty Cycle LVLTL ax40 106@53 2462MHz Ant2 SISO

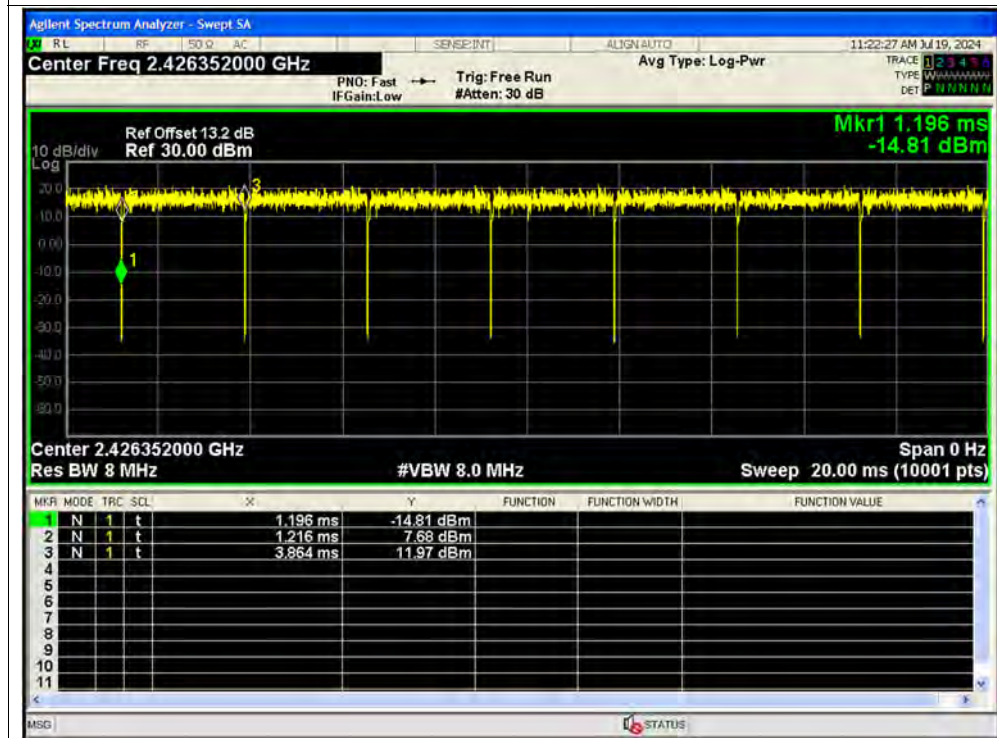


Duty Cycle LVLTL ax40 106@53 2422MHz Sum MIMO

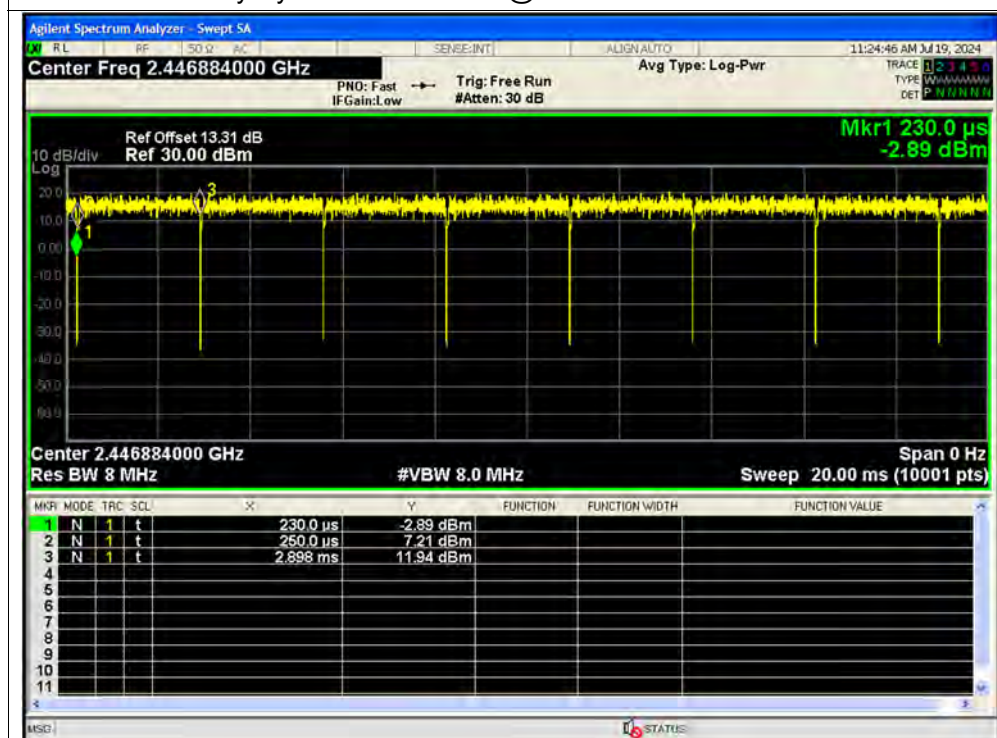




Duty Cycle LVLt ax40 106@53 2442MHz Sum MIMO

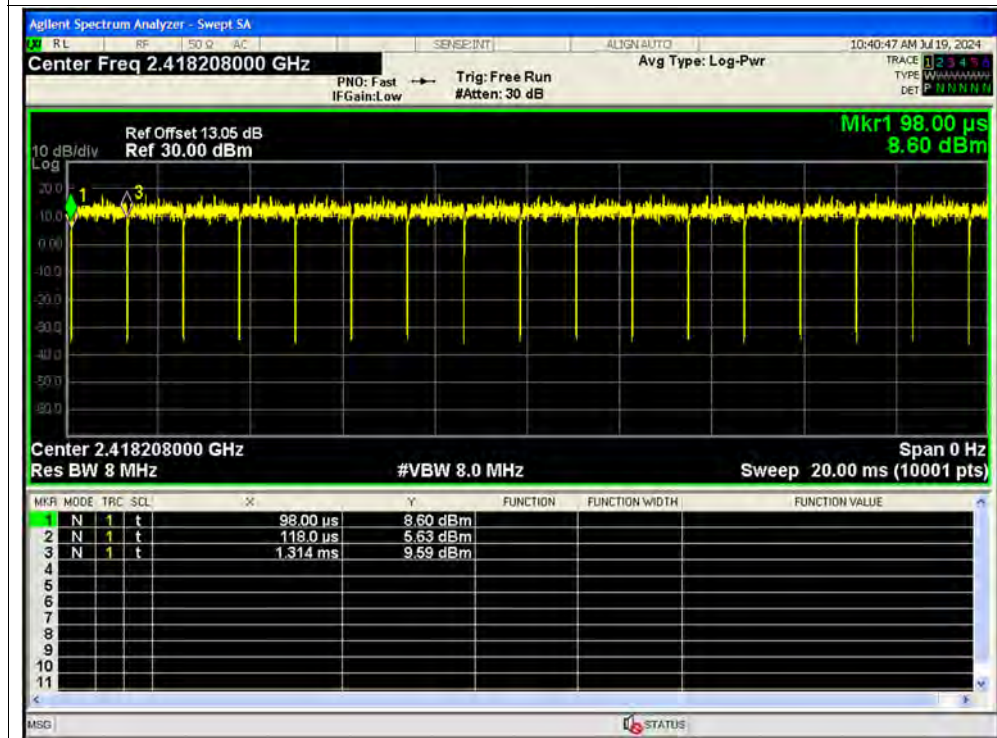


Duty Cycle LVLt ax40 106@53 2462MHz Sum MIMO

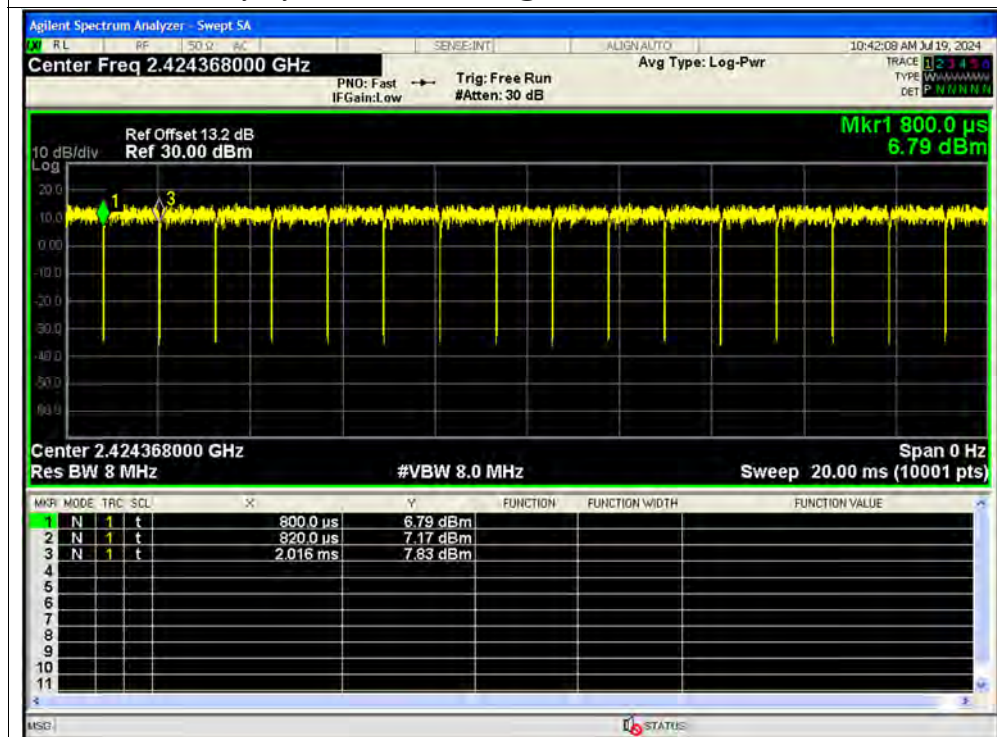




Duty Cycle LVLT ax40 242@61 2422MHz Ant1 SISO

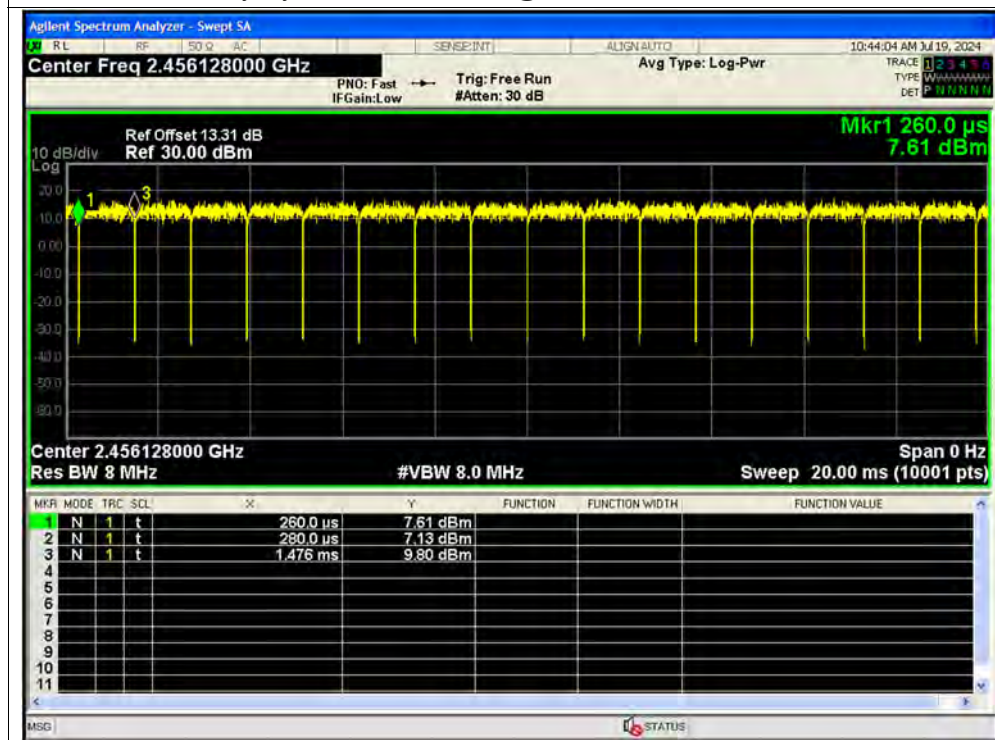


Duty Cycle LVLT ax40 242@61 2442MHz Ant1 SISO

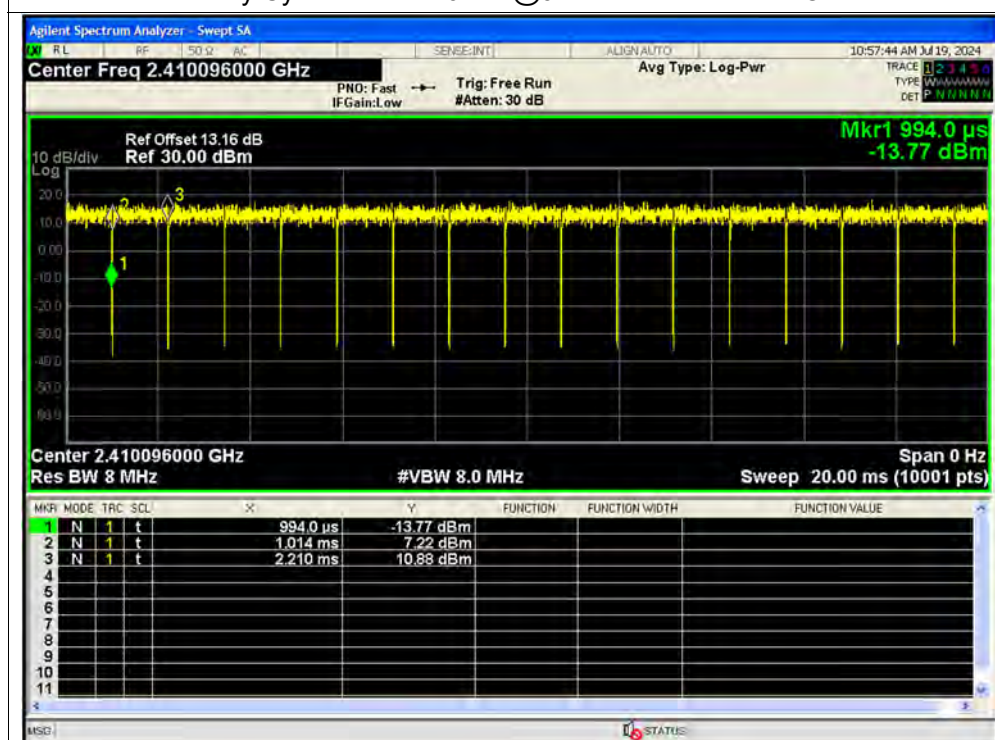




Duty Cycle LVLT ax40 242@61 2462MHz Ant1 SISO

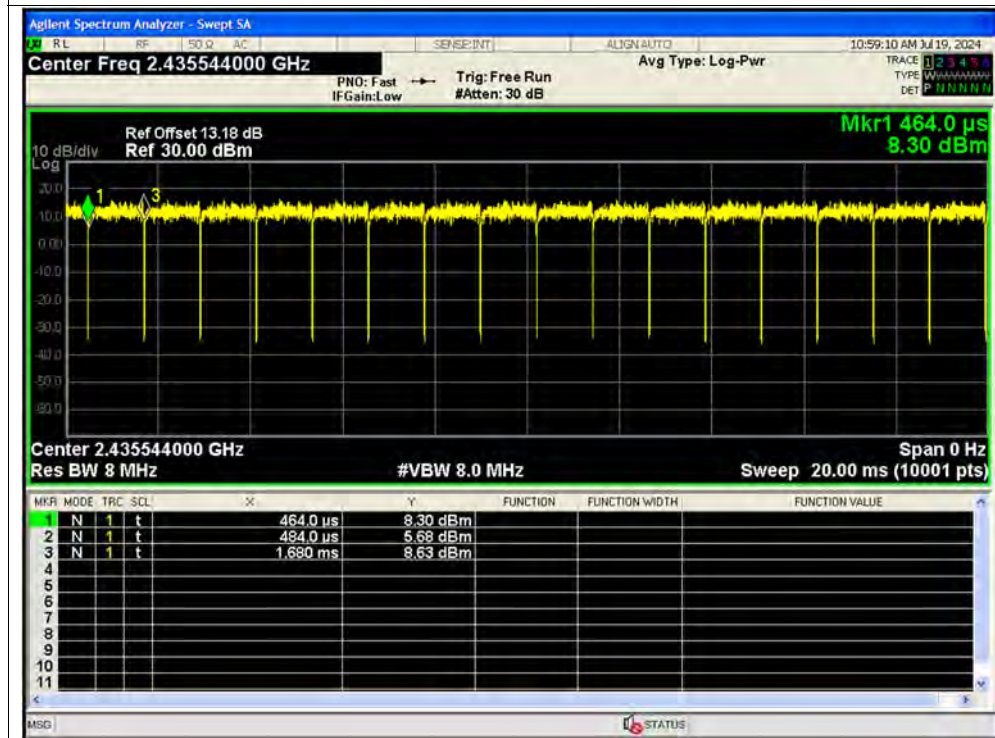


Duty Cycle LVLT ax40 242@61 2422MHz Ant2 SISO

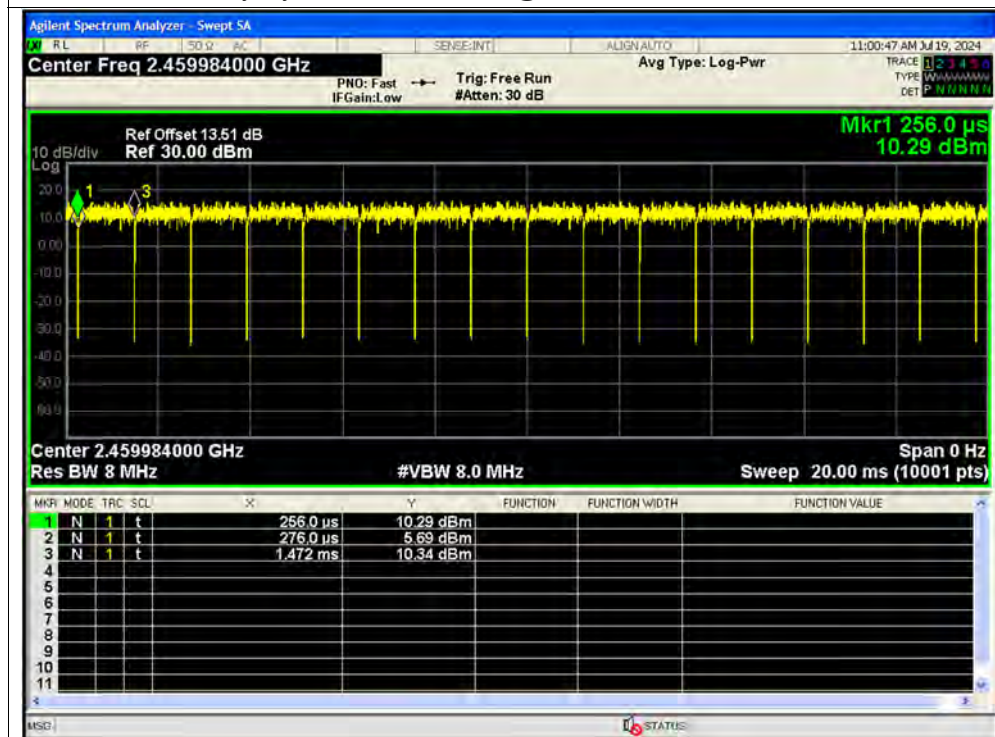




Duty Cycle LVLTL ax40 242@61 2442MHz Ant2 SISO

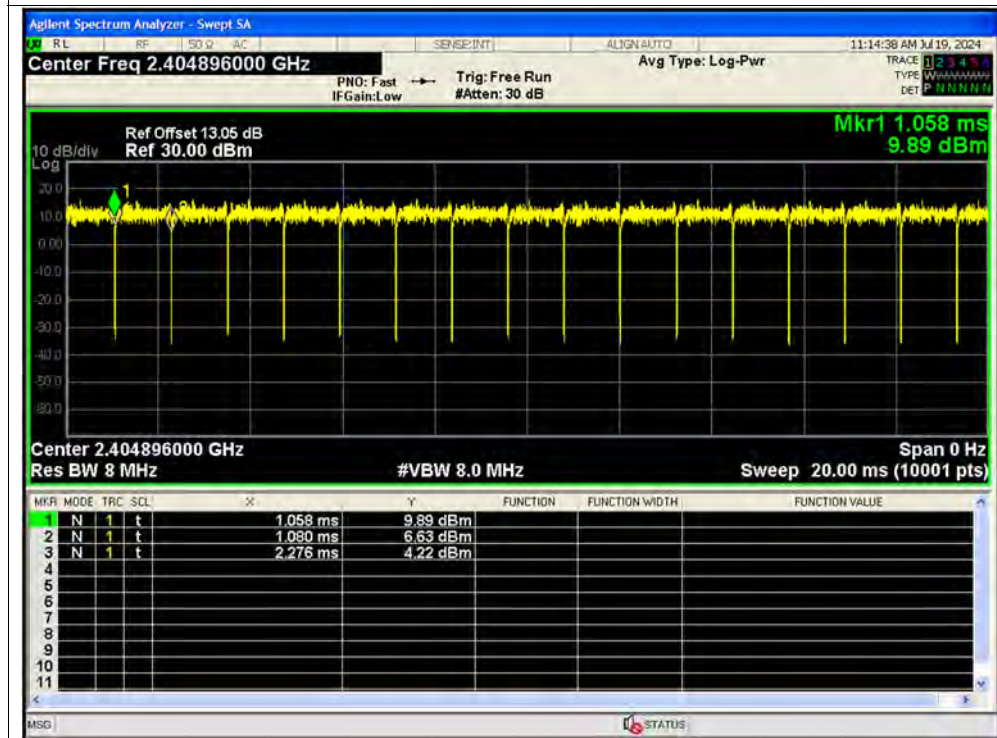


Duty Cycle LVLTL ax40 242@61 2462MHz Ant2 SISO

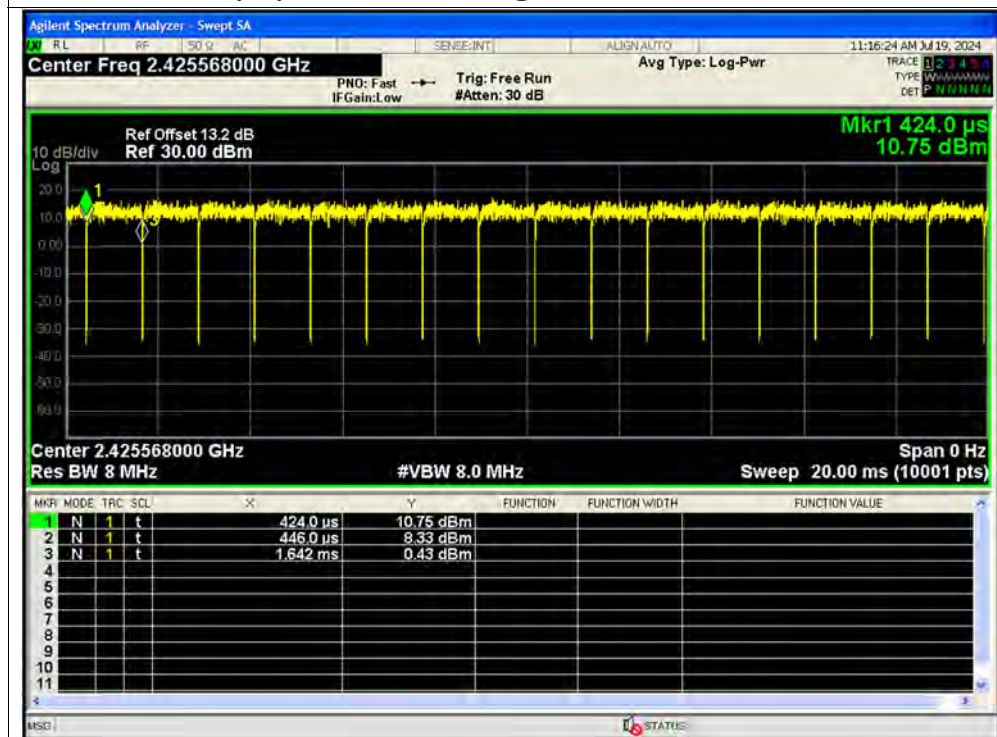




Duty Cycle LVL T ax40 242@61 2422MHz Sum MIMO

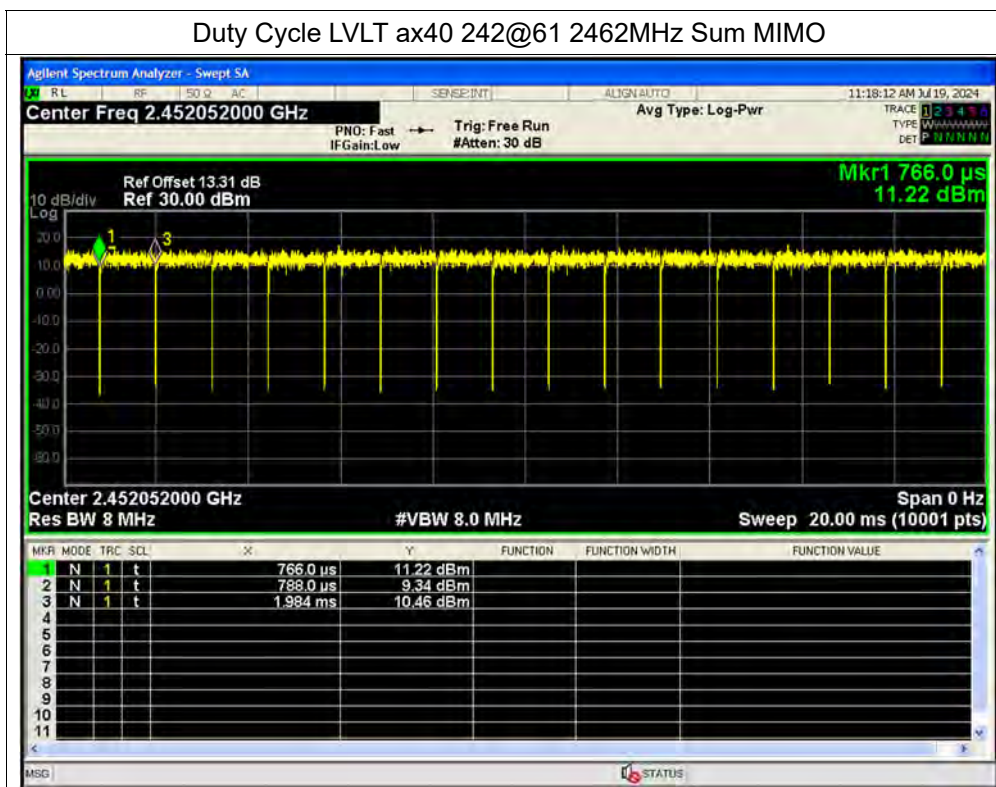


Duty Cycle LVL T ax40 242@61 2442MHz Sum MIMO





Duty Cycle LVLt ax40 242@61 2462MHz Sum MIMO



**A.2. Maximum Peak Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit (dBm)	Verdict
NVNT	b SISO	2412	Ant1	17.96	0	17.96	0.06252	30	Pass
NVNT	b SISO	2442	Ant1	18.71	0	18.71	0.0743	30	Pass
NVNT	b SISO	2472	Ant1	18.41	0	18.41	0.06934	30	Pass
NVNT	b SISO	2412	Ant2	18.26	0	18.26	0.06699	30	Pass
NVNT	b SISO	2442	Ant2	18.2	0	18.2	0.06607	30	Pass
NVNT	b SISO	2472	Ant2	18.33	0	18.33	0.06808	30	Pass
NVNT	g SISO	2412	Ant1	20.88	0	20.88	0.12246	30	Pass
NVNT	g SISO	2442	Ant1	21.25	0	21.25	0.13335	30	Pass
NVNT	g SISO	2472	Ant1	20.92	0	20.92	0.12359	30	Pass
NVNT	g SISO	2412	Ant2	23.04	0	23.04	0.20137	30	Pass
NVNT	g SISO	2442	Ant2	20.9	0	20.9	0.12303	30	Pass
NVNT	g SISO	2472	Ant2	20.91	0	20.91	0.12331	30	Pass
NVNT	n20 SISO	2412	Ant1	19.63	0	19.63	0.09183	30	Pass
NVNT	n20 SISO	2442	Ant1	20.2	0	20.2	0.10471	30	Pass
NVNT	n20 SISO	2472	Ant1	19.67	0	19.67	0.09268	30	Pass
NVNT	n20 SISO	2412	Ant2	19.64	0	19.64	0.09204	30	Pass
NVNT	n20 SISO	2442	Ant2	19.72	0	19.72	0.09376	30	Pass
NVNT	n20 SISO	2472	Ant2	19.75	0	19.75	0.09441	30	Pass
NVNT	n20 MIMO	2412	Ant1	19.58	0	19.58	0.09078	30	Pass
NVNT	n20 MIMO	2412	Ant2	20.06	0	20.06	0.10139	30	Pass
NVNT	n20 MIMO	2412	Sum	NaN	NaN	22.84	0.19217	30	Pass
NVNT	n20 MIMO	2442	Ant1	20.17	0	20.17	0.10399	30	Pass
NVNT	n20 MIMO	2442	Ant2	20.16	0	20.16	0.10375	30	Pass
NVNT	n20 MIMO	2442	Sum	NaN	NaN	23.18	0.20774	30	Pass
NVNT	n20 MIMO	2472	Ant1	19.61	0	19.61	0.09141	30	Pass
NVNT	n20 MIMO	2472	Ant2	20.27	0	20.27	0.10641	30	Pass
NVNT	n20 MIMO	2472	Sum	NaN	NaN	22.96	0.19783	30	Pass
NVNT	n40 SISO	2422	Ant1	19.98	0	19.98	0.09954	30	Pass
NVNT	n40 SISO	2442	Ant1	20.43	0	20.43	0.11041	30	Pass
NVNT	n40 SISO	2462	Ant1	19.82	0	19.82	0.09594	30	Pass
NVNT	n40 SISO	2422	Ant2	20.19	0	20.19	0.10447	30	Pass
NVNT	n40 SISO	2442	Ant2	20.16	0	20.16	0.10375	30	Pass
NVNT	n40 SISO	2462	Ant2	20.35	0	20.35	0.10839	30	Pass



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NVNT	n40 MIMO	2422	Ant1	19.82	0	19.82	0.09594	30	Pass
NVNT	n40 MIMO	2422	Ant2	20.23	0	20.23	0.10544	30	Pass
NVNT	n40 MIMO	2422	Sum	NaN	NaN	23.04	0.20138	30	Pass
NVNT	n40 MIMO	2442	Ant1	20.41	0	20.41	0.1099	30	Pass
NVNT	n40 MIMO	2442	Ant2	20.25	0	20.25	0.10593	30	Pass
NVNT	n40 MIMO	2442	Sum	NaN	NaN	23.34	0.21583	30	Pass
NVNT	n40 MIMO	2462	Ant1	19.65	0	19.65	0.09226	30	Pass
NVNT	n40 MIMO	2462	Ant2	20.71	0	20.71	0.11776	30	Pass
NVNT	n40 MIMO	2462	Sum	NaN	NaN	23.22	0.21002	30	Pass
NVNT	ax20 SISO	2412	Ant1	18.28	0	18.28	0.0673	30	Pass
NVNT	ax20 SISO	2442	Ant1	18.73	0	18.73	0.07464	30	Pass
NVNT	ax20 SISO	2472	Ant1	18.34	0	18.34	0.06823	30	Pass
NVNT	ax20 SISO	2412	Ant2	18.32	0	18.32	0.06792	30	Pass
NVNT	ax20 SISO	2442	Ant2	18.82	0	18.82	0.07621	30	Pass
NVNT	ax20 SISO	2472	Ant2	18.69	0	18.69	0.07396	30	Pass
NVNT	ax20 MIMO	2412	Ant1	18.11	0	18.11	0.06471	30	Pass
NVNT	ax20 MIMO	2412	Ant2	18.63	0	18.63	0.07295	30	Pass
NVNT	ax20 MIMO	2412	Sum	NaN	NaN	21.39	0.13766	30	Pass
NVNT	ax20 MIMO	2442	Ant1	18.71	0	18.71	0.0743	30	Pass
NVNT	ax20 MIMO	2442	Ant2	18.92	0	18.92	0.07798	30	Pass
NVNT	ax20 MIMO	2442	Sum	NaN	NaN	21.83	0.15228	30	Pass
NVNT	ax20 MIMO	2472	Ant1	18.24	0	18.24	0.06668	30	Pass
NVNT	ax20 MIMO	2472	Ant2	18.98	0	18.98	0.07907	30	Pass
NVNT	ax20 MIMO	2472	Sum	NaN	NaN	21.64	0.14575	30	Pass
NVNT	ax40 SISO	2422	Ant1	18.24	0	18.24	0.06668	30	Pass
NVNT	ax40 SISO	2442	Ant1	18.99	0	18.99	0.07925	30	Pass
NVNT	ax40 SISO	2462	Ant1	18.43	0	18.43	0.06966	30	Pass
NVNT	ax40 SISO	2422	Ant2	18.63	0	18.63	0.07295	30	Pass
NVNT	ax40 SISO	2442	Ant2	18.7	0	18.7	0.07413	30	Pass
NVNT	ax40 SISO	2462	Ant2	19.06	0	19.06	0.08054	30	Pass
NVNT	ax40 MIMO	2422	Ant1	18.14	0	18.14	0.06516	30	Pass
NVNT	ax40 MIMO	2422	Ant2	18.71	0	18.71	0.0743	30	Pass
NVNT	ax40 MIMO	2422	Sum	NaN	NaN	21.44	0.13946	30	Pass
NVNT	ax40 MIMO	2442	Ant1	18.8	0	18.8	0.07586	30	Pass
NVNT	ax40 MIMO	2442	Ant2	18.71	0	18.71	0.0743	30	Pass
NVNT	ax40 MIMO	2442	Sum	NaN	NaN	21.77	0.15016	30	Pass
NVNT	ax40 MIMO	2462	Ant1	17.93	0	17.93	0.06209	30	Pass
NVNT	ax40 MIMO	2462	Ant2	19.02	0	19.02	0.0798	30	Pass



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NVNT	ax40 MIMO	2462	Sum	NaN	NaN	21.52	0.14189	30	Pass
NVNT	ax20 26@0 SISO	2412	Ant1	18.07	0	18.07	0.06412	30	Pass
NVNT	ax20 26@0 SISO	2412	Ant2	18.58	0	18.58	0.07211	30	Pass
NVNT	ax20 26@0 MIMO	2412	Ant1	17.94	0	17.94	0.06223	30	Pass
NVNT	ax20 26@0 MIMO	2412	Ant2	18.26	0	18.26	0.06699	30	Pass
NVNT	ax20 26@0 MIMO	2412	Sum	NaN	NaN	21.11	0.12922	30	Pass
NVNT	ax20 26@4 SISO	2442	Ant1	18.03	0	18.03	0.06353	30	Pass
NVNT	ax20 26@4 SISO	2442	Ant2	18.02	0	18.02	0.06339	30	Pass
NVNT	ax20 26@4 MIMO	2442	Ant1	18.78	0	18.78	0.07551	30	Pass
NVNT	ax20 26@4 MIMO	2442	Ant2	18.77	0	18.77	0.07534	30	Pass
NVNT	ax20 26@4 MIMO	2442	Sum	NaN	NaN	21.79	0.15084	30	Pass
NVNT	ax20 26@8 SISO	2472	Ant1	18.03	0	18.03	0.06353	30	Pass
NVNT	ax20 26@8 SISO	2472	Ant2	18.62	0	18.62	0.07278	30	Pass
NVNT	ax20 26@8 MIMO	2472	Ant1	18.05	0	18.05	0.06383	30	Pass
NVNT	ax20 26@8 MIMO	2472	Ant2	18.65	0	18.65	0.07328	30	Pass
NVNT	ax20 26@8 MIMO	2472	Sum	NaN	NaN	21.37	0.13711	30	Pass
NVNT	ax20 52@37 SISO	2412	Ant1	19.81	0	19.81	0.09572	30	Pass
NVNT	ax20 52@37 SISO	2412	Ant2	19.71	0	19.71	0.09354	30	Pass
NVNT	ax20 52@37	2412	Ant1	20.07	0	20.07	0.10162	30	Pass



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	MIMO								
NVNT	ax20 52@37 MIMO	2412	Ant2	20.04	0	20.04	0.10093	30	Pass
NVNT	ax20 52@37 MIMO	2412	Sum	NaN	NaN	23.07	0.20255	30	Pass
NVNT	ax20 52@38 SISO	2442	Ant1	20.69	0	20.69	0.11722	30	Pass
NVNT	ax20 52@38 SISO	2442	Ant2	20.3	0	20.3	0.10715	30	Pass
NVNT	ax20 52@38 MIMO	2442	Ant1	20.77	0	20.77	0.1194	30	Pass
NVNT	ax20 52@38 MIMO	2442	Ant2	19.82	0	19.82	0.09594	30	Pass
NVNT	ax20 52@38 MIMO	2442	Sum	NaN	NaN	23.33	0.21534	30	Pass
NVNT	ax20 52@40 SISO	2472	Ant1	19.89	0	19.89	0.0975	30	Pass
NVNT	ax20 52@40 SISO	2472	Ant2	19.84	0	19.84	0.09638	30	Pass
NVNT	ax20 52@40 MIMO	2472	Ant1	19.68	0	19.68	0.0929	30	Pass
NVNT	ax20 52@40 MIMO	2472	Ant2	20.27	0	20.27	0.10641	30	Pass
NVNT	ax20 52@40 MIMO	2472	Sum	NaN	NaN	23	0.19931	30	Pass
NVNT	ax20 106@53	2412	Ant1	20.24	0	20.24	0.10568	30	Pass



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	SISO								
NVNT	ax20 106@53 SISO	2412	Ant2	20.24	0	20.24	0.10568	30	Pass
NVNT	ax20 106@53 MIMO	2412	Ant1	19.21	0	19.21	0.08337	30	Pass
NVNT	ax20 106@53 MIMO	2412	Ant2	19.55	0	19.55	0.09016	30	Pass
NVNT	ax20 106@53 MIMO	2412	Sum	NaN	NaN	22.39	0.17353	30	Pass
LVLT	ax20 106@53 SISO	2442	Ant1	20.07	0	20.07	0.10162	30	Pass
LVLT	ax20 106@53 SISO	2442	Ant2	19.3	0	19.3	0.08511	30	Pass
LVLT	ax20 106@53 MIMO	2442	Ant1	19.64	0	19.64	0.09204	30	Pass
LVLT	ax20 106@53 MIMO	2442	Ant2	19.42	0	19.42	0.0875	30	Pass
LVLT	ax20 106@53 MIMO	2442	Sum	NaN	NaN	22.54	0.17954	30	Pass
LVLT	ax20 106@54 SISO	2472	Ant1	19.34	0	19.34	0.0859	30	Pass
LVLT	ax20 106@54 SISO	2472	Ant2	18.81	0	18.81	0.07603	30	Pass
LVLT	ax20 106@54 MIMO	2472	Ant1	18.91	0	18.91	0.0778	30	Pass
LVLT	ax20 106@54	2472	Ant2	19.35	0	19.35	0.0861	30	Pass



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	MIMO								
LVL	ax20 106@54 MIMO	2472	Sum	NaN	NaN	22.15	0.1639	30	Pass
LVL	ax40 26@0 SISO	2422	Ant1	17.53	0	17.53	0.05662	30	Pass
LVL	ax40 26@0 SISO	2442	Ant1	19.14	0	19.14	0.08204	30	Pass
LVL	ax40 26@0 SISO	2462	Ant1	17.9	0	17.9	0.06166	30	Pass
LVL	ax40 26@0 SISO	2422	Ant2	17.64	0	17.64	0.05808	30	Pass
LVL	ax40 26@0 SISO	2442	Ant2	18.73	0	18.73	0.07464	30	Pass
LVL	ax40 26@0 SISO	2462	Ant2	18.52	0	18.52	0.07112	30	Pass
LVL	ax40 26@0 MIMO	2422	Ant1	18.14	0	18.14	0.06516	30	Pass
LVL	ax40 26@0 MIMO	2422	Ant2	18.47	0	18.47	0.07031	30	Pass
LVL	ax40 26@0 MIMO	2422	Sum	NaN	NaN	21.32	0.13547	30	Pass
LVL	ax40 26@0 MIMO	2442	Ant1	18.78	0	18.78	0.07551	30	Pass
LVL	ax40 26@0 MIMO	2442	Ant2	17.8	0	17.8	0.06026	30	Pass
LVL	ax40 26@0 MIMO	2442	Sum	NaN	NaN	21.33	0.13577	30	Pass
LVL	ax40 26@0 MIMO	2462	Ant1	18.12	0	18.12	0.06486	30	Pass
LVL	ax40 26@0 MIMO	2462	Ant2	17.67	0	17.67	0.05848	30	Pass
LVL	ax40 26@0 MIMO	2462	Sum	NaN	NaN	20.91	0.12334	30	Pass
LVL	ax40 52@37 SISO	2422	Ant1	19.15	0	19.15	0.08222	30	Pass
LVL	ax40 52@37	2442	Ant1	20.18	0	20.18	0.10423	30	Pass



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	SISO								
LVL	ax40 52@37 SISO	2462	Ant1	17.08	0	17.08	0.05105	30	Pass
LVL	ax40 52@37 SISO	2422	Ant2	18.19	0	18.19	0.06592	30	Pass
LVL	ax40 52@37 SISO	2442	Ant2	18.03	0	18.03	0.06353	30	Pass
LVL	ax40 52@37 SISO	2462	Ant2	17.64	0	17.64	0.05808	30	Pass
LVL	ax40 52@37 MIMO	2422	Ant1	18.99	0	18.99	0.07925	30	Pass
LVL	ax40 52@37 MIMO	2422	Ant2	19.05	0	19.05	0.08035	30	Pass
LVL	ax40 52@37 MIMO	2422	Sum	NaN	NaN	22.03	0.1596	30	Pass
LVL	ax40 52@37 MIMO	2442	Ant1	19.75	0	19.75	0.09441	30	Pass
LVL	ax40 52@37 MIMO	2442	Ant2	18.18	0	18.18	0.06577	30	Pass
LVL	ax40 52@37 MIMO	2442	Sum	NaN	NaN	22.05	0.16017	30	Pass
LVL	ax40 52@37 MIMO	2462	Ant1	19.23	0	19.23	0.08375	30	Pass
LVL	ax40 52@37 MIMO	2462	Ant2	19.47	0	19.47	0.08851	30	Pass
LVL	ax40 52@37	2462	Sum	NaN	NaN	22.36	0.17226	30	Pass



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	MIMO								
LVL	ax40 106@53 SISO	2422	Ant1	19.68	0	19.68	0.0929	30	Pass
LVL	ax40 106@53 SISO	2442	Ant1	20.34	0	20.34	0.10814	30	Pass
LVL	ax40 106@53 SISO	2462	Ant1	19.79	0	19.79	0.09528	30	Pass
LVL	ax40 106@53 SISO	2422	Ant2	20.34	0	20.34	0.10814	30	Pass
LVL	ax40 106@53 SISO	2442	Ant2	19.2	0	19.2	0.08318	30	Pass
LVL	ax40 106@53 SISO	2462	Ant2	19.91	0	19.91	0.09795	30	Pass
LVL	ax40 106@53 MIMO	2422	Ant1	19.62	0	19.62	0.09162	30	Pass
LVL	ax40 106@53 MIMO	2422	Ant2	20.23	0	20.23	0.10544	30	Pass
LVL	ax40 106@53 MIMO	2422	Sum	NaN	NaN	22.95	0.19706	30	Pass
LVL	ax40 106@53 MIMO	2442	Ant1	20.13	0	20.13	0.10304	30	Pass
LVL	ax40 106@53 MIMO	2442	Ant2	19.18	0	19.18	0.08279	30	Pass
LVL	ax40 106@53 MIMO	2442	Sum	NaN	NaN	22.69	0.18583	30	Pass
LVL	ax40 106@53	2462	Ant1	19.4	0	19.4	0.0871	30	Pass



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	MIMO								
LVL	ax40 106@53 MIMO	2462	Ant2	20.04	0	20.04	0.10093	30	Pass
LVL	ax40 106@53 MIMO	2462	Sum	NaN	NaN	22.74	0.18802	30	Pass
LVL	ax40 242@61 SISO	2422	Ant1	20.17	0	20.17	0.10399	30	Pass
LVL	ax40 242@61 SISO	2442	Ant1	19.43	0	19.43	0.0877	30	Pass
LVL	ax40 242@61 SISO	2462	Ant1	20.02	0	20.02	0.10046	30	Pass
LVL	ax40 242@61 SISO	2422	Ant2	19.66	0	19.66	0.09247	30	Pass
LVL	ax40 242@61 SISO	2442	Ant2	19.08	0	19.08	0.08091	30	Pass
LVL	ax40 242@61 SISO	2462	Ant2	20.05	0	20.05	0.10116	30	Pass
LVL	ax40 242@61 MIMO	2422	Ant1	19.91	0	19.91	0.09795	30	Pass
LVL	ax40 242@61 MIMO	2422	Ant2	20.13	0	20.13	0.10304	30	Pass
LVL	ax40 242@61 MIMO	2422	Sum	NaN	NaN	23.03	0.20099	30	Pass
LVL	ax40 242@61 MIMO	2442	Ant1	20.08	0	20.08	0.10186	30	Pass
LVL	ax40 242@61	2442	Ant2	19.33	0	19.33	0.0857	30	Pass



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	MIMO								
LVL	ax40 242@61 MIMO	2442	Sum	NaN	NaN	22.73	0.18756	30	Pass
LVL	ax40 242@61 MIMO	2462	Ant1	19.82	0	19.82	0.09594	30	Pass
LVL	ax40 242@61 MIMO	2462	Ant2	20.05	0	20.05	0.10116	30	Pass
LVL	ax40 242@61 MIMO	2462	Sum	NaN	NaN	22.95	0.1971	30	Pass

**A.3. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit (dBm)	Verdict
NVNT	b SISO	2412	Ant1	15.58	0.08	15.66	0.03681	30	Pass
NVNT	b SISO	2442	Ant1	16.26	0.04	16.3	0.04266	30	Pass
NVNT	b SISO	2472	Ant1	15.83	0.02	15.85	0.03846	30	Pass
NVNT	b SISO	2412	Ant2	15.71	0.08	15.79	0.03793	30	Pass
NVNT	b SISO	2442	Ant2	15.83	0.08	15.91	0.03899	30	Pass
NVNT	b SISO	2472	Ant2	15.89	0.07	15.96	0.03945	30	Pass
NVNT	g SISO	2412	Ant1	13.6	0.03	13.63	0.02307	30	Pass
NVNT	g SISO	2442	Ant1	14.01	0.03	14.04	0.02535	30	Pass
NVNT	g SISO	2472	Ant1	13.67	0.03	13.7	0.02344	30	Pass
NVNT	g SISO	2412	Ant2	15.67	0.03	15.7	0.03715	30	Pass
NVNT	g SISO	2442	Ant2	13.61	0.03	13.64	0.02312	30	Pass
NVNT	g SISO	2472	Ant2	13.66	0.03	13.69	0.02339	30	Pass
NVNT	n20 SISO	2412	Ant1	12.43	0.01	12.44	0.01754	30	Pass
NVNT	n20 SISO	2442	Ant1	12.88	0.01	12.89	0.01945	30	Pass
NVNT	n20 SISO	2472	Ant1	12.44	0.01	12.45	0.01758	30	Pass
NVNT	n20 SISO	2412	Ant2	12.43	0.01	12.44	0.01754	30	Pass
NVNT	n20 SISO	2442	Ant2	12.5	0.01	12.51	0.01782	30	Pass
NVNT	n20 SISO	2472	Ant2	12.53	0.01	12.54	0.01795	30	Pass
NVNT	n20 MIMO	2412	Ant1	12.32	0.01	12.33	0.0171	30	Pass
NVNT	n20 MIMO	2412	Ant2	12.59	0.01	12.6	0.0182	30	Pass
NVNT	n20 MIMO	2412	Sum	NaN	NaN	15.48	0.0353	30	Pass
NVNT	n20 MIMO	2442	Ant1	12.72	0.01	12.73	0.01875	30	Pass
NVNT	n20 MIMO	2442	Ant2	12.72	0.01	12.73	0.01875	30	Pass
NVNT	n20 MIMO	2442	Sum	NaN	NaN	15.74	0.0375	30	Pass
NVNT	n20 MIMO	2472	Ant1	12.4	0.01	12.41	0.01742	30	Pass
NVNT	n20 MIMO	2472	Ant2	12.73	0.01	12.74	0.01879	30	Pass
NVNT	n20 MIMO	2472	Sum	NaN	NaN	15.59	0.03621	30	Pass
NVNT	n40 SISO	2422	Ant1	12.58	0.01	12.59	0.01816	30	Pass
NVNT	n40 SISO	2442	Ant1	13.1	0.01	13.11	0.02046	30	Pass
NVNT	n40 SISO	2462	Ant1	12.5	0.01	12.51	0.01782	30	Pass
NVNT	n40 SISO	2422	Ant2	12.64	0.01	12.65	0.01841	30	Pass
NVNT	n40 SISO	2442	Ant2	12.61	0.01	12.62	0.01828	30	Pass
NVNT	n40 SISO	2462	Ant2	13.28	0.01	13.29	0.02133	30	Pass



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NVNT	n40 MIMO	2422	Ant1	12.37	0.01	12.38	0.0173	30	Pass
NVNT	n40 MIMO	2422	Ant2	12.77	0.01	12.78	0.01897	30	Pass
NVNT	n40 MIMO	2422	Sum	NaN	NaN	15.6	0.03627	30	Pass
NVNT	n40 MIMO	2442	Ant1	12.97	0.01	12.98	0.01986	30	Pass
NVNT	n40 MIMO	2442	Ant2	12.88	0.01	12.89	0.01945	30	Pass
NVNT	n40 MIMO	2442	Sum	NaN	NaN	15.95	0.03931	30	Pass
NVNT	n40 MIMO	2462	Ant1	12.15	0.01	12.16	0.01644	30	Pass
NVNT	n40 MIMO	2462	Ant2	13.34	0.01	13.35	0.02163	30	Pass
NVNT	n40 MIMO	2462	Sum	NaN	NaN	15.81	0.03807	30	Pass
NVNT	ax20 SISO	2412	Ant1	10.43	0.01	10.44	0.01107	30	Pass
NVNT	ax20 SISO	2442	Ant1	10.89	0.01	10.9	0.0123	30	Pass
NVNT	ax20 SISO	2472	Ant1	10.52	0.01	10.53	0.0113	30	Pass
NVNT	ax20 SISO	2412	Ant2	10.54	0.01	10.55	0.01135	30	Pass
NVNT	ax20 SISO	2442	Ant2	10.85	0.01	10.86	0.01219	30	Pass
NVNT	ax20 SISO	2472	Ant2	10.76	0.01	10.77	0.01194	30	Pass
NVNT	ax20 MIMO	2412	Ant1	10.36	0.01	10.37	0.01089	30	Pass
NVNT	ax20 MIMO	2412	Ant2	10.73	0.01	10.74	0.01186	30	Pass
NVNT	ax20 MIMO	2412	Sum	NaN	NaN	13.57	0.02275	30	Pass
NVNT	ax20 MIMO	2442	Ant1	10.83	0.01	10.84	0.01213	30	Pass
NVNT	ax20 MIMO	2442	Ant2	10.81	0.01	10.82	0.01208	30	Pass
NVNT	ax20 MIMO	2442	Sum	NaN	NaN	13.84	0.02421	30	Pass
NVNT	ax20 MIMO	2472	Ant1	10.44	0.01	10.45	0.01109	30	Pass
NVNT	ax20 MIMO	2472	Ant2	10.97	0.01	10.98	0.01253	30	Pass
NVNT	ax20 MIMO	2472	Sum	NaN	NaN	13.73	0.02362	30	Pass
NVNT	ax40 SISO	2422	Ant1	10.26	0.01	10.27	0.01064	30	Pass
NVNT	ax40 SISO	2442	Ant1	10.96	0.01	10.97	0.0125	30	Pass
NVNT	ax40 SISO	2462	Ant1	10.46	0.01	10.47	0.01114	30	Pass
NVNT	ax40 SISO	2422	Ant2	10.61	0.01	10.62	0.01153	30	Pass
NVNT	ax40 SISO	2442	Ant2	10.83	0.01	10.84	0.01213	30	Pass
NVNT	ax40 SISO	2462	Ant2	11.2	0.01	11.21	0.01321	30	Pass
NVNT	ax40 MIMO	2422	Ant1	10.14	0.01	10.15	0.01035	30	Pass
NVNT	ax40 MIMO	2422	Ant2	10.68	0.01	10.69	0.01172	30	Pass
NVNT	ax40 MIMO	2422	Sum	NaN	NaN	13.44	0.02207	30	Pass
NVNT	ax40 MIMO	2442	Ant1	10.77	0.01	10.78	0.01197	30	Pass
NVNT	ax40 MIMO	2442	Ant2	10.84	0.01	10.85	0.01216	30	Pass
NVNT	ax40 MIMO	2442	Sum	NaN	NaN	13.83	0.02413	30	Pass
NVNT	ax40 MIMO	2462	Ant1	10.35	0.01	10.36	0.01086	30	Pass
NVNT	ax40 MIMO	2462	Ant2	11.08	0.01	11.09	0.01285	30	Pass



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NVNT	ax40 MIMO	2462	Sum	NaN	NaN	13.75	0.02372	30	Pass
NVNT	ax20 26@0 SISO	2412	Ant1	10.25	0.02	10.27	0.01064	30	Pass
NVNT	ax20 26@0 SISO	2412	Ant2	10.54	0.02	10.56	0.01138	30	Pass
NVNT	ax20 26@0 MIMO	2412	Ant1	10.29	0.02	10.31	0.01074	30	Pass
NVNT	ax20 26@0 MIMO	2412	Ant2	10.46	0.02	10.48	0.01117	30	Pass
NVNT	ax20 26@0 MIMO	2412	Sum	NaN	NaN	13.41	0.02191	30	Pass
NVNT	ax20 26@4 SISO	2442	Ant1	10.79	0.02	10.81	0.01205	30	Pass
NVNT	ax20 26@4 SISO	2442	Ant2	10.77	0.02	10.79	0.01199	30	Pass
NVNT	ax20 26@4 MIMO	2442	Ant1	10.76	0.02	10.78	0.01197	30	Pass
NVNT	ax20 26@4 MIMO	2442	Ant2	10.82	0.02	10.84	0.01213	30	Pass
NVNT	ax20 26@4 MIMO	2442	Sum	NaN	NaN	13.82	0.0241	30	Pass
NVNT	ax20 26@8 SISO	2472	Ant1	10.12	0.02	10.14	0.01033	30	Pass
NVNT	ax20 26@8 SISO	2472	Ant2	10.43	0.02	10.45	0.01109	30	Pass
NVNT	ax20 26@8 MIMO	2472	Ant1	9.9	0.02	9.92	0.00982	30	Pass
NVNT	ax20 26@8 MIMO	2472	Ant2	10.53	0.02	10.55	0.01135	30	Pass
NVNT	ax20 26@8 MIMO	2472	Sum	NaN	NaN	13.26	0.02117	30	Pass
NVNT	ax20 52@37 SISO	2412	Ant1	10.19	0.02	10.21	0.0105	30	Pass
NVNT	ax20 52@37 SISO	2412	Ant2	10.11	0.02	10.13	0.0103	30	Pass
NVNT	ax20 52@37	2412	Ant1	10.22	0.02	10.24	0.01057	30	Pass



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	MIMO								
NVNT	ax20 52@37 MIMO	2412	Ant2	10.18	0.02	10.2	0.01047	30	Pass
NVNT	ax20 52@37 MIMO	2412	Sum	NaN	NaN	13.23	0.02104	30	Pass
NVNT	ax20 52@38 SISO	2442	Ant1	11.24	0.02	11.26	0.01337	30	Pass
NVNT	ax20 52@38 SISO	2442	Ant2	10.43	0.02	10.45	0.01109	30	Pass
NVNT	ax20 52@38 MIMO	2442	Ant1	11.27	0.02	11.29	0.01346	30	Pass
NVNT	ax20 52@38 MIMO	2442	Ant2	10.32	0.02	10.34	0.01081	30	Pass
NVNT	ax20 52@38 MIMO	2442	Sum	NaN	NaN	13.85	0.02427	30	Pass
NVNT	ax20 52@40 SISO	2472	Ant1	10.07	0.02	10.09	0.01021	30	Pass
NVNT	ax20 52@40 SISO	2472	Ant2	10.23	0.02	10.25	0.01059	30	Pass
NVNT	ax20 52@40 MIMO	2472	Ant1	9.83	0.02	9.85	0.00966	30	Pass
NVNT	ax20 52@40 MIMO	2472	Ant2	10.51	0.02	10.53	0.0113	30	Pass
NVNT	ax20 52@40 MIMO	2472	Sum	NaN	NaN	13.21	0.02096	30	Pass
NVNT	ax20 106@53	2412	Ant1	10.44	0.04	10.48	0.01117	30	Pass



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	SISO								
NVNT	ax20 106@53 SISO	2412	Ant2	10.47	0.03	10.5	0.01122	30	Pass
NVNT	ax20 106@53 MIMO	2412	Ant1	10.41	0.04	10.45	0.01109	30	Pass
NVNT	ax20 106@53 MIMO	2412	Ant2	10.56	0.04	10.6	0.01148	30	Pass
NVNT	ax20 106@53 MIMO	2412	Sum	NaN	NaN	13.54	0.02257	30	Pass
LVLT	ax20 106@53 SISO	2442	Ant1	11.12	0.04	11.16	0.01306	30	Pass
LVLT	ax20 106@53 SISO	2442	Ant2	10.54	0.03	10.57	0.0114	30	Pass
LVLT	ax20 106@53 MIMO	2442	Ant1	11.1	0.03	11.13	0.01297	30	Pass
LVLT	ax20 106@53 MIMO	2442	Ant2	10.63	0.03	10.66	0.01164	30	Pass
LVLT	ax20 106@53 MIMO	2442	Sum	NaN	NaN	13.91	0.02461	30	Pass
LVLT	ax20 106@54 SISO	2472	Ant1	10.24	0.02	10.26	0.01062	30	Pass
LVLT	ax20 106@54 SISO	2472	Ant2	10.3	0.02	10.32	0.01076	30	Pass
LVLT	ax20 106@54 MIMO	2472	Ant1	10.22	0.02	10.24	0.01057	30	Pass
LVLT	ax20 106@54	2472	Ant2	10.42	0.02	10.44	0.01107	30	Pass



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	MIMO								
LVL	ax20 106@54 MIMO	2472	Sum	NaN	NaN	13.35	0.02163	30	Pass
LVL	ax40 26@0 SISO	2422	Ant1	10.46	0.02	10.48	0.01117	30	Pass
LVL	ax40 26@0 SISO	2442	Ant1	11.85	0.02	11.87	0.01538	30	Pass
LVL	ax40 26@0 SISO	2462	Ant1	10.56	0.02	10.58	0.01143	30	Pass
LVL	ax40 26@0 SISO	2422	Ant2	10.73	0.02	10.75	0.01189	30	Pass
LVL	ax40 26@0 SISO	2442	Ant2	10.77	0.02	10.79	0.01199	30	Pass
LVL	ax40 26@0 SISO	2462	Ant2	10.54	0.02	10.56	0.01138	30	Pass
LVL	ax40 26@0 MIMO	2422	Ant1	10.53	0.02	10.55	0.01135	30	Pass
LVL	ax40 26@0 MIMO	2422	Ant2	10.71	0.02	10.73	0.01183	30	Pass
LVL	ax40 26@0 MIMO	2422	Sum	NaN	NaN	13.65	0.02318	30	Pass
LVL	ax40 26@0 MIMO	2442	Ant1	11.74	0.02	11.76	0.015	30	Pass
LVL	ax40 26@0 MIMO	2442	Ant2	10.59	0.02	10.61	0.01151	30	Pass
LVL	ax40 26@0 MIMO	2442	Sum	NaN	NaN	14.23	0.0265	30	Pass
LVL	ax40 26@0 MIMO	2462	Ant1	10.53	0.02	10.55	0.01135	30	Pass
LVL	ax40 26@0 MIMO	2462	Ant2	10.51	0.02	10.53	0.0113	30	Pass
LVL	ax40 26@0 MIMO	2462	Sum	NaN	NaN	13.55	0.02265	30	Pass
LVL	ax40 52@37 SISO	2422	Ant1	10.67	0.02	10.69	0.01172	30	Pass
LVL	ax40 52@37	2442	Ant1	11.75	0.02	11.77	0.01503	30	Pass



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	SISO								
LVL	ax40 52@37 SISO	2462	Ant1	10.59	0.02	10.61	0.01151	30	Pass
LVL	ax40 52@37 SISO	2422	Ant2	10.85	0.02	10.87	0.01222	30	Pass
LVL	ax40 52@37 SISO	2442	Ant2	10.75	0.02	10.77	0.01194	30	Pass
LVL	ax40 52@37 SISO	2462	Ant2	10.73	0.02	10.75	0.01189	30	Pass
LVL	ax40 52@37 MIMO	2422	Ant1	10.81	0.02	10.83	0.01211	30	Pass
LVL	ax40 52@37 MIMO	2422	Ant2	10.95	0.02	10.97	0.0125	30	Pass
LVL	ax40 52@37 MIMO	2422	Sum	NaN	NaN	13.91	0.02461	30	Pass
LVL	ax40 52@37 MIMO	2442	Ant1	11.82	0.02	11.84	0.01528	30	Pass
LVL	ax40 52@37 MIMO	2442	Ant2	10.59	0.02	10.61	0.01151	30	Pass
LVL	ax40 52@37 MIMO	2442	Sum	NaN	NaN	14.28	0.02678	30	Pass
LVL	ax40 52@37 MIMO	2462	Ant1	10.7	0.02	10.72	0.0118	30	Pass
LVL	ax40 52@37 MIMO	2462	Ant2	10.69	0.02	10.71	0.01178	30	Pass
LVL	ax40 52@37	2462	Sum	NaN	NaN	13.73	0.02358	30	Pass



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	MIMO								
LVL	ax40 106@53 SISO	2422	Ant1	10.87	0.04	10.91	0.01233	30	Pass
LVL	ax40 106@53 SISO	2442	Ant1	11.57	0.03	11.6	0.01445	30	Pass
LVL	ax40 106@53 SISO	2462	Ant1	10.75	0.03	10.78	0.01197	30	Pass
LVL	ax40 106@53 SISO	2422	Ant2	11.11	0.03	11.14	0.013	30	Pass
LVL	ax40 106@53 SISO	2442	Ant2	10.52	0.03	10.55	0.01135	30	Pass
LVL	ax40 106@53 SISO	2462	Ant2	10.99	0.04	11.03	0.01268	30	Pass
LVL	ax40 106@53 MIMO	2422	Ant1	10.88	0.03	10.91	0.01233	30	Pass
LVL	ax40 106@53 MIMO	2422	Ant2	11.26	0.03	11.29	0.01346	30	Pass
LVL	ax40 106@53 MIMO	2422	Sum	NaN	NaN	14.11	0.02579	30	Pass
LVL	ax40 106@53 MIMO	2442	Ant1	11.41	0.03	11.44	0.01393	30	Pass
LVL	ax40 106@53 MIMO	2442	Ant2	10.43	0.03	10.46	0.01112	30	Pass
LVL	ax40 106@53 MIMO	2442	Sum	NaN	NaN	13.99	0.02505	30	Pass
LVL	ax40 106@53	2462	Ant1	10.7	0.03	10.73	0.01183	30	Pass



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	MIMO								
LVL	ax40 106@53 MIMO	2462	Ant2	11.07	0.03	11.1	0.01288	30	Pass
LVL	ax40 106@53 MIMO	2462	Sum	NaN	NaN	13.93	0.02471	30	Pass
LVL	ax40 242@61 SISO	2422	Ant1	10.95	0.07	11.02	0.01265	30	Pass
LVL	ax40 242@61 SISO	2442	Ant1	11.02	0.07	11.09	0.01285	30	Pass
LVL	ax40 242@61 SISO	2462	Ant1	10.91	0.07	10.98	0.01253	30	Pass
LVL	ax40 242@61 SISO	2422	Ant2	11.17	0.07	11.24	0.0133	30	Pass
LVL	ax40 242@61 SISO	2442	Ant2	10.1	0.07	10.17	0.0104	30	Pass
LVL	ax40 242@61 SISO	2462	Ant2	11.31	0.07	11.38	0.01374	30	Pass
LVL	ax40 242@61 MIMO	2422	Ant1	10.9	0.08	10.98	0.01253	30	Pass
LVL	ax40 242@61 MIMO	2422	Ant2	11.22	0.08	11.3	0.01349	30	Pass
LVL	ax40 242@61 MIMO	2422	Sum	NaN	NaN	14.15	0.02602	30	Pass
LVL	ax40 242@61 MIMO	2442	Ant1	10.99	0.08	11.07	0.01279	30	Pass
LVL	ax40 242@61	2442	Ant2	10.21	0.08	10.29	0.01069	30	Pass



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	MIMO								
LVL	ax40 242@61 MIMO	2442	Sum	NaN	NaN	13.71	0.02348	30	Pass
LVL	ax40 242@61 MIMO	2462	Ant1	10.83	0.08	10.91	0.01233	30	Pass
LVL	ax40 242@61 MIMO	2462	Ant2	11.43	0.08	11.51	0.01416	30	Pass
LVL	ax40 242@61 MIMO	2462	Sum	NaN	NaN	14.23	0.02649	30	Pass

**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	b SISO	2412	Ant1	7.597	0.5	Pass
NVNT	b SISO	2442	Ant1	8.084	0.5	Pass
NVNT	b SISO	2472	Ant1	8.543	0.5	Pass
NVNT	b SISO	2412	Ant2	8.049	0.5	Pass
NVNT	b SISO	2442	Ant2	8.056	0.5	Pass
NVNT	b SISO	2472	Ant2	8.036	0.5	Pass
NVNT	g SISO	2412	Ant1	16.128	0.5	Pass
NVNT	g SISO	2442	Ant1	16.334	0.5	Pass
NVNT	g SISO	2472	Ant1	16.315	0.5	Pass
NVNT	g SISO	2412	Ant2	16.304	0.5	Pass
NVNT	g SISO	2442	Ant2	16.335	0.5	Pass
NVNT	g SISO	2472	Ant2	16.318	0.5	Pass
NVNT	n20 SISO	2412	Ant1	17.546	0.5	Pass
NVNT	n20 SISO	2442	Ant1	17.546	0.5	Pass
NVNT	n20 SISO	2472	Ant1	16.925	0.5	Pass
NVNT	n20 SISO	2412	Ant2	17.53	0.5	Pass
NVNT	n20 SISO	2442	Ant2	17.559	0.5	Pass
NVNT	n20 SISO	2472	Ant2	17.186	0.5	Pass
NVNT	n20 MIMO	2412	Ant1	17.582	0.5	Pass
NVNT	n20 MIMO	2412	Ant2	17.66	0.5	Pass
NVNT	n20 MIMO	2442	Ant1	17.572	0.5	Pass
NVNT	n20 MIMO	2442	Ant2	17.283	0.5	Pass
NVNT	n20 MIMO	2472	Ant1	17.592	0.5	Pass
NVNT	n20 MIMO	2472	Ant2	17.24	0.5	Pass
NVNT	n40 SISO	2422	Ant1	36.29	0.5	Pass
NVNT	n40 SISO	2442	Ant1	36.292	0.5	Pass
NVNT	n40 SISO	2462	Ant1	35.939	0.5	Pass
NVNT	n40 SISO	2422	Ant2	36.273	0.5	Pass
NVNT	n40 SISO	2442	Ant2	35.955	0.5	Pass
NVNT	n40 SISO	2462	Ant2	33.534	0.5	Pass
NVNT	n40 MIMO	2422	Ant1	35.938	0.5	Pass
NVNT	n40 MIMO	2422	Ant2	35.365	0.5	Pass
NVNT	n40 MIMO	2442	Ant1	36.415	0.5	Pass
NVNT	n40 MIMO	2442	Ant2	36.343	0.5	Pass
NVNT	n40 MIMO	2462	Ant1	34.647	0.5	Pass



NVNT	n40 MIMO	2462	Ant2	35.838	0.5	Pass
NVNT	ax20 SISO	2412	Ant1	18.801	0.5	Pass
NVNT	ax20 SISO	2442	Ant1	19.011	0.5	Pass
NVNT	ax20 SISO	2472	Ant1	18.872	0.5	Pass
NVNT	ax20 SISO	2412	Ant2	18.781	0.5	Pass
NVNT	ax20 SISO	2442	Ant2	18.929	0.5	Pass
NVNT	ax20 SISO	2472	Ant2	18.876	0.5	Pass
NVNT	ax20 MIMO	2412	Ant1	18.203	0.5	Pass
NVNT	ax20 MIMO	2412	Ant2	18.881	0.5	Pass
NVNT	ax20 MIMO	2442	Ant1	18.855	0.5	Pass
NVNT	ax20 MIMO	2442	Ant2	18.755	0.5	Pass
NVNT	ax20 MIMO	2472	Ant1	18.475	0.5	Pass
NVNT	ax20 MIMO	2472	Ant2	18.603	0.5	Pass
NVNT	ax40 SISO	2422	Ant1	36.7	0.5	Pass
NVNT	ax40 SISO	2442	Ant1	37.973	0.5	Pass
NVNT	ax40 SISO	2462	Ant1	37.19	0.5	Pass
NVNT	ax40 SISO	2422	Ant2	37.66	0.5	Pass
NVNT	ax40 SISO	2442	Ant2	37.688	0.5	Pass
NVNT	ax40 SISO	2462	Ant2	36.279	0.5	Pass
NVNT	ax40 MIMO	2422	Ant1	37.813	0.5	Pass
NVNT	ax40 MIMO	2422	Ant2	36.864	0.5	Pass
NVNT	ax40 MIMO	2442	Ant1	37.911	0.5	Pass
NVNT	ax40 MIMO	2442	Ant2	37.174	0.5	Pass
NVNT	ax40 MIMO	2462	Ant1	34.415	0.5	Pass
NVNT	ax40 MIMO	2462	Ant2	35.211	0.5	Pass
NVNT	ax20 26@0 SISO	2412	Ant1	2.065	0.5	Pass
NVNT	ax20 26@0 SISO	2412	Ant2	2.049	0.5	Pass
NVNT	ax20 26@0 MIMO	2412	Ant1	2.073	0.5	Pass
NVNT	ax20 26@0 MIMO	2412	Ant2	2.086	0.5	Pass
NVNT	ax20 26@4 SISO	2442	Ant1	2.654	0.5	Pass
NVNT	ax20 26@4 SISO	2442	Ant2	2.602	0.5	Pass
NVNT	ax20 26@4 MIMO	2442	Ant1	2.663	0.5	Pass
NVNT	ax20 26@4 MIMO	2442	Ant2	8.854	0.5	Pass
NVNT	ax20 26@8 SISO	2472	Ant1	1.996	0.5	Pass
NVNT	ax20 26@8 SISO	2472	Ant2	2.037	0.5	Pass
NVNT	ax20 26@8 MIMO	2472	Ant1	2.05	0.5	Pass
NVNT	ax20 26@8 MIMO	2472	Ant2	2.024	0.5	Pass
NVNT	ax20 52@37 SISO	2412	Ant1	17.024	0.5	Pass



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NVNT	ax20 52@37 SISO	2412	Ant2	17.068	0.5	Pass
NVNT	ax20 52@37 MIMO	2412	Ant1	17.066	0.5	Pass
NVNT	ax20 52@37 MIMO	2412	Ant2	17.053	0.5	Pass
NVNT	ax20 52@38 SISO	2442	Ant1	17.077	0.5	Pass
NVNT	ax20 52@38 SISO	2442	Ant2	17.075	0.5	Pass
NVNT	ax20 52@38 MIMO	2442	Ant1	17.047	0.5	Pass
NVNT	ax20 52@38 MIMO	2442	Ant2	17.692	0.5	Pass
NVNT	ax20 52@40 SISO	2472	Ant1	17.11	0.5	Pass
NVNT	ax20 52@40 SISO	2472	Ant2	16.985	0.5	Pass
NVNT	ax20 52@40 MIMO	2472	Ant1	17.089	0.5	Pass
NVNT	ax20 52@40 MIMO	2472	Ant2	17.033	0.5	Pass
NVNT	ax20 106@53 SISO	2412	Ant1	17.141	0.5	Pass
NVNT	ax20 106@53 SISO	2412	Ant2	17.132	0.5	Pass
NVNT	ax20 106@53 MIMO	2412	Ant1	17.111	0.5	Pass
NVNT	ax20 106@53 MIMO	2412	Ant2	17.685	0.5	Pass
LVLT	ax20 106@53 SISO	2442	Ant1	17.703	0.5	Pass
LVLT	ax20 106@53 SISO	2442	Ant2	17.731	0.5	Pass
LVLT	ax20 106@53 MIMO	2442	Ant1	17.748	0.5	Pass
LVLT	ax20 106@53 MIMO	2442	Ant2	17.986	0.5	Pass
LVLT	ax20 106@54 SISO	2472	Ant1	17.711	0.5	Pass
LVLT	ax20 106@54 SISO	2472	Ant2	18.356	0.5	Pass
LVLT	ax20 106@54 MIMO	2472	Ant1	18.274	0.5	Pass
LVLT	ax20 106@54 MIMO	2472	Ant2	17.389	0.5	Pass
LVLT	ax40 26@0 SISO	2422	Ant1	2.05	0.5	Pass
LVLT	ax40 26@0 SISO	2442	Ant1	2.039	0.5	Pass
LVLT	ax40 26@0 SISO	2462	Ant1	2.078	0.5	Pass
LVLT	ax40 26@0 SISO	2422	Ant2	2.076	0.5	Pass
LVLT	ax40 26@0 SISO	2442	Ant2	2.045	0.5	Pass
LVLT	ax40 26@0 SISO	2462	Ant2	2.062	0.5	Pass
LVLT	ax40 26@0 MIMO	2422	Ant1	2.099	0.5	Pass
LVLT	ax40 26@0 MIMO	2422	Ant2	2.066	0.5	Pass
LVLT	ax40 26@0 MIMO	2442	Ant1	2.031	0.5	Pass
LVLT	ax40 26@0 MIMO	2442	Ant2	2.09	0.5	Pass
LVLT	ax40 26@0 MIMO	2462	Ant1	2.058	0.5	Pass
LVLT	ax40 26@0 MIMO	2462	Ant2	2.07	0.5	Pass
LVLT	ax40 52@37 SISO	2422	Ant1	4.096	0.5	Pass
LVLT	ax40 52@37 SISO	2442	Ant1	4.116	0.5	Pass
LVLT	ax40 52@37 SISO	2462	Ant1	4.074	0.5	Pass



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LVLT	ax40 52@37 SISO	2422	Ant2	4.095	0.5	Pass
LVLT	ax40 52@37 SISO	2442	Ant2	4.097	0.5	Pass
LVLT	ax40 52@37 SISO	2462	Ant2	4.073	0.5	Pass
LVLT	ax40 52@37 MIMO	2422	Ant1	4.069	0.5	Pass
LVLT	ax40 52@37 MIMO	2422	Ant2	4.147	0.5	Pass
LVLT	ax40 52@37 MIMO	2442	Ant1	4.039	0.5	Pass
LVLT	ax40 52@37 MIMO	2442	Ant2	4.075	0.5	Pass
LVLT	ax40 52@37 MIMO	2462	Ant1	4.086	0.5	Pass
LVLT	ax40 52@37 MIMO	2462	Ant2	16.547	0.5	Pass
LVLT	ax40 106@53 SISO	2422	Ant1	30.273	0.5	Pass
LVLT	ax40 106@53 SISO	2442	Ant1	36.598	0.5	Pass
LVLT	ax40 106@53 SISO	2462	Ant1	36.551	0.5	Pass
LVLT	ax40 106@53 SISO	2422	Ant2	36.59	0.5	Pass
LVLT	ax40 106@53 SISO	2442	Ant2	34.07	0.5	Pass
LVLT	ax40 106@53 SISO	2462	Ant2	34.019	0.5	Pass
LVLT	ax40 106@53 MIMO	2422	Ant1	35.293	0.5	Pass
LVLT	ax40 106@53 MIMO	2422	Ant2	22.763	0.5	Pass
LVLT	ax40 106@53 MIMO	2442	Ant1	36.54	0.5	Pass
LVLT	ax40 106@53 MIMO	2442	Ant2	36.608	0.5	Pass
LVLT	ax40 106@53 MIMO	2462	Ant1	26.545	0.5	Pass
LVLT	ax40 106@53 MIMO	2462	Ant2	31.518	0.5	Pass
LVLT	ax40 242@61 SISO	2422	Ant1	36.663	0.5	Pass
LVLT	ax40 242@61 SISO	2442	Ant1	37.845	0.5	Pass
LVLT	ax40 242@61 SISO	2462	Ant1	36.633	0.5	Pass
LVLT	ax40 242@61 SISO	2422	Ant2	36.613	0.5	Pass
LVLT	ax40 242@61 SISO	2442	Ant2	37.884	0.5	Pass
LVLT	ax40 242@61 SISO	2462	Ant2	36.581	0.5	Pass
LVLT	ax40 242@61 MIMO	2422	Ant1	36.577	0.5	Pass
LVLT	ax40 242@61 MIMO	2422	Ant2	36.627	0.5	Pass
LVLT	ax40 242@61 MIMO	2442	Ant1	37.631	0.5	Pass
LVLT	ax40 242@61 MIMO	2442	Ant2	37.664	0.5	Pass
LVLT	ax40 242@61 MIMO	2462	Ant1	36.608	0.5	Pass
LVLT	ax40 242@61 MIMO	2462	Ant2	36.842	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1 SISO



-6dB Bandwidth NVNT b 2442MHz Ant1 SISO



-6dB Bandwidth NVNT b 2472MHz Ant1 SISO



-6dB Bandwidth NVNT b 2412MHz Ant2 SISO



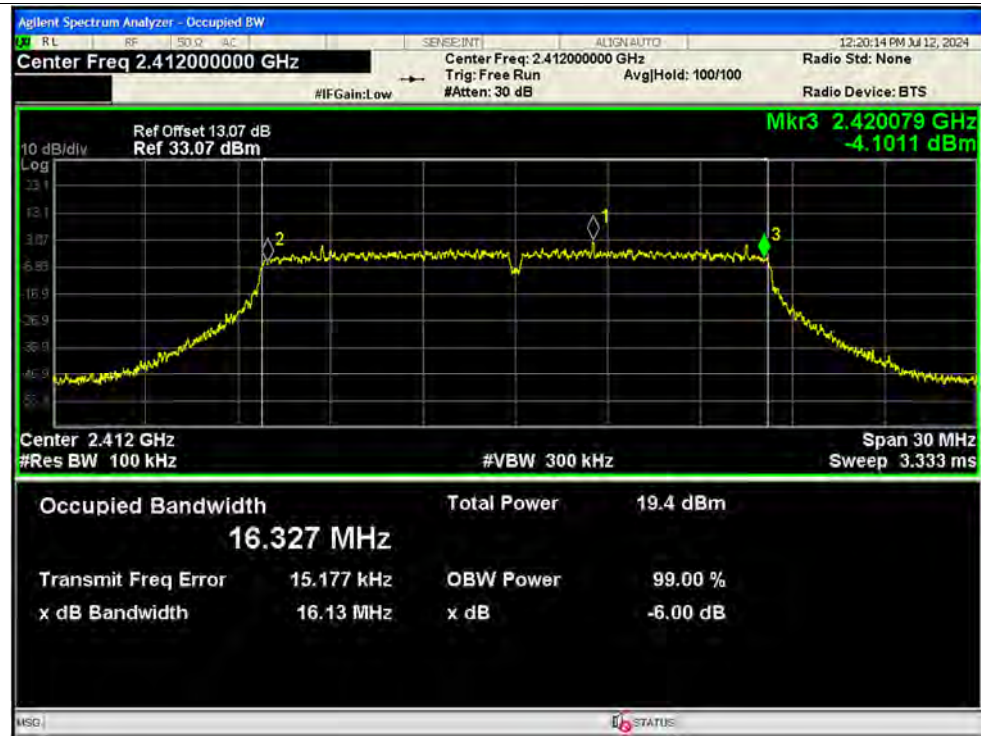
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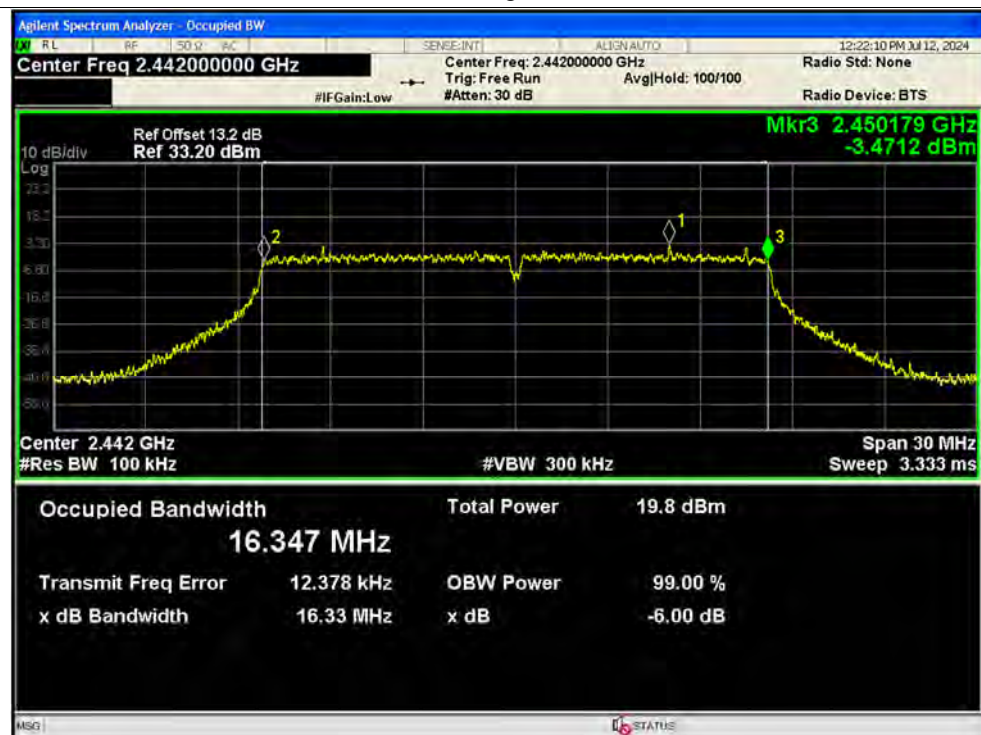
-6dB Bandwidth NVNT b 2472MHz Ant2 SISO



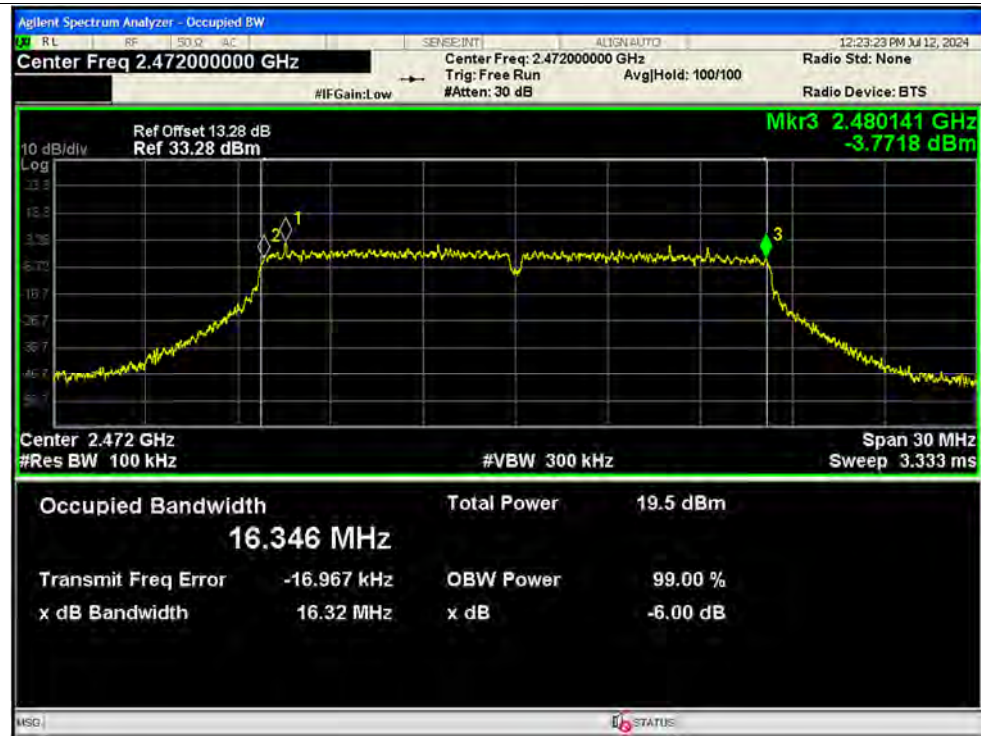
-6dB Bandwidth NVNT g 2412MHz Ant1 SISO



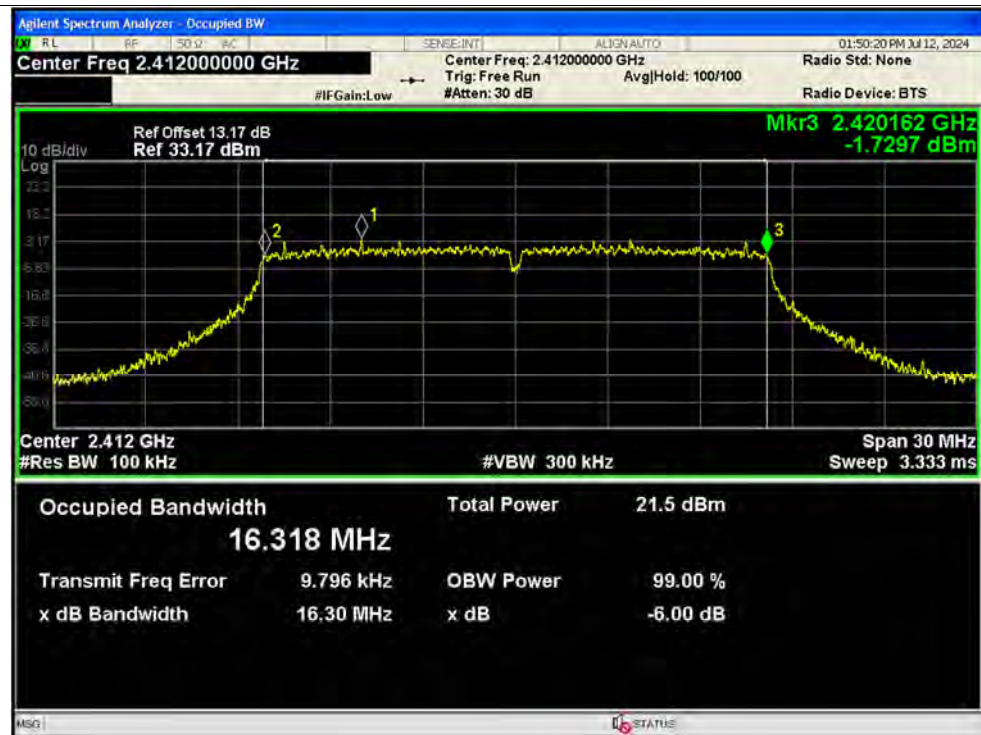
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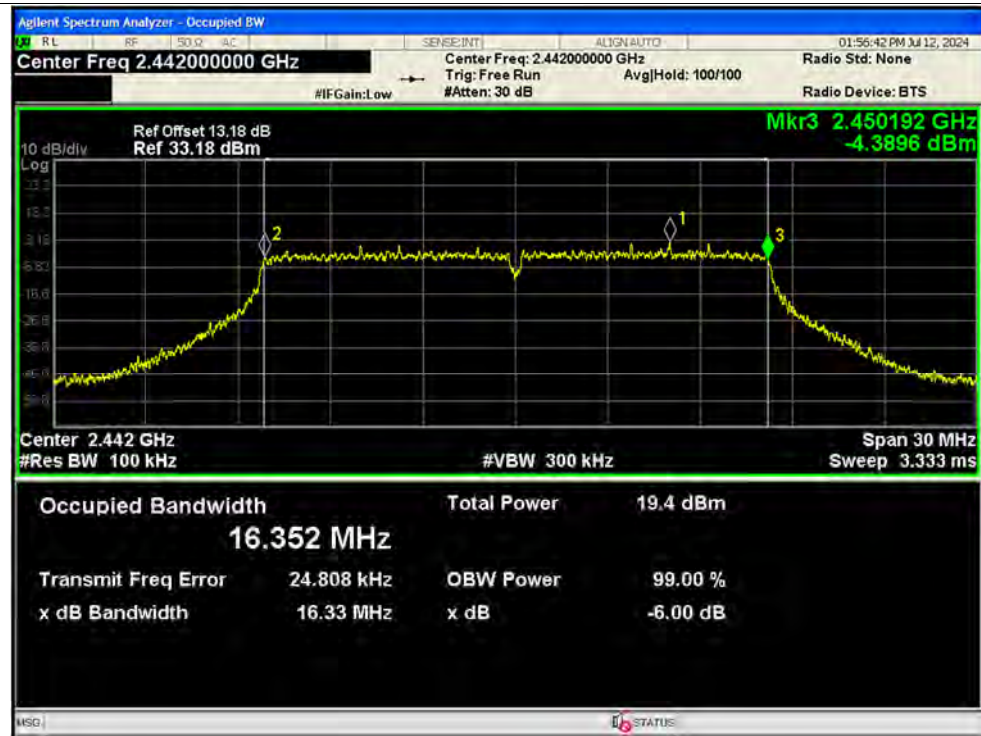
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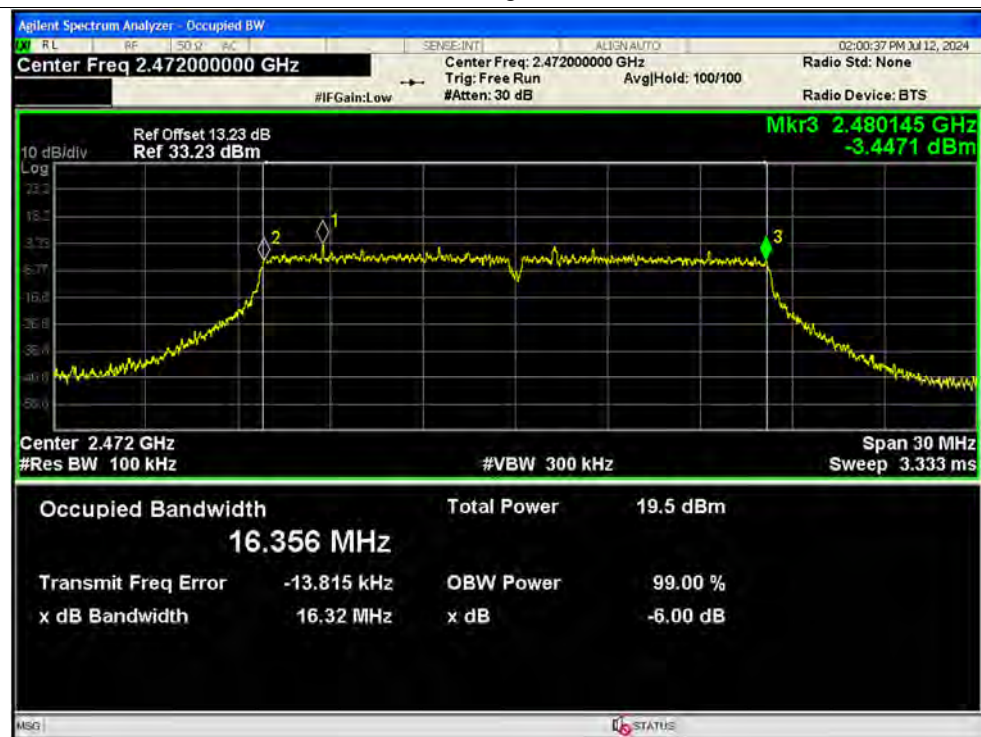
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-6dB Bandwidth NVNT g 2442MHz Ant2 SISO

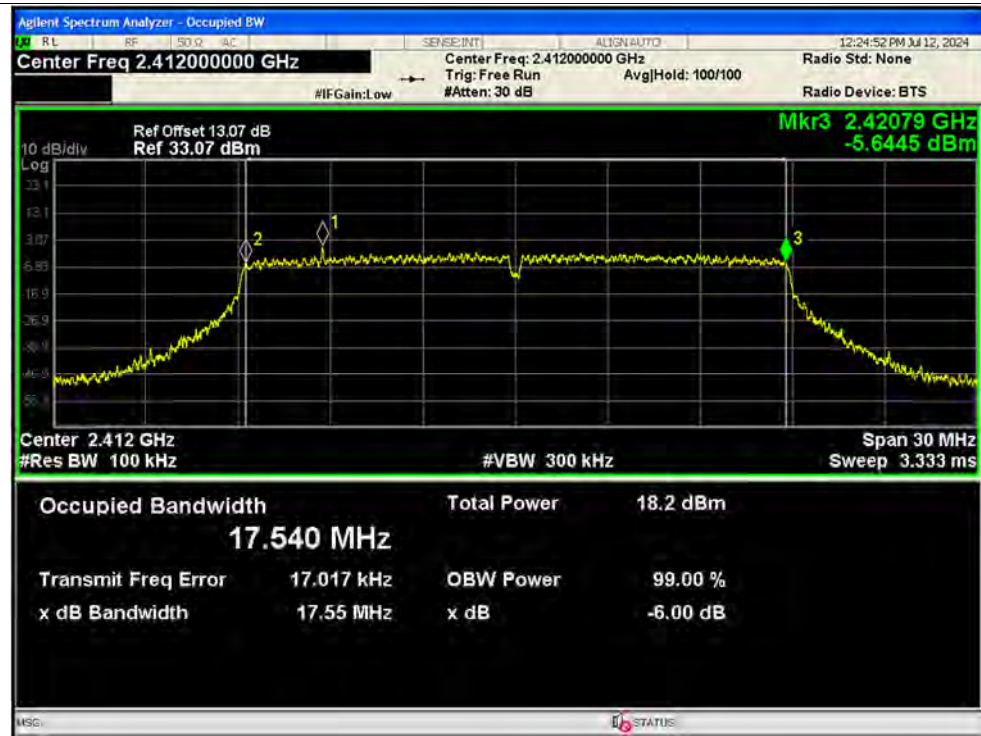


-6dB Bandwidth NVNT g 2472MHz Ant2 SISO

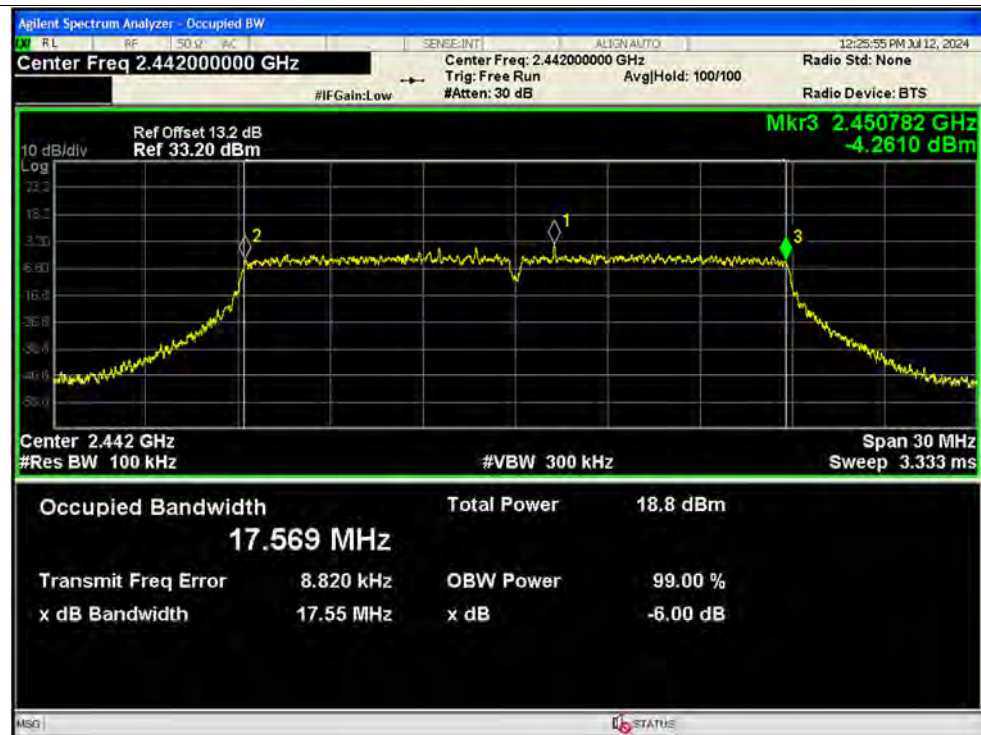




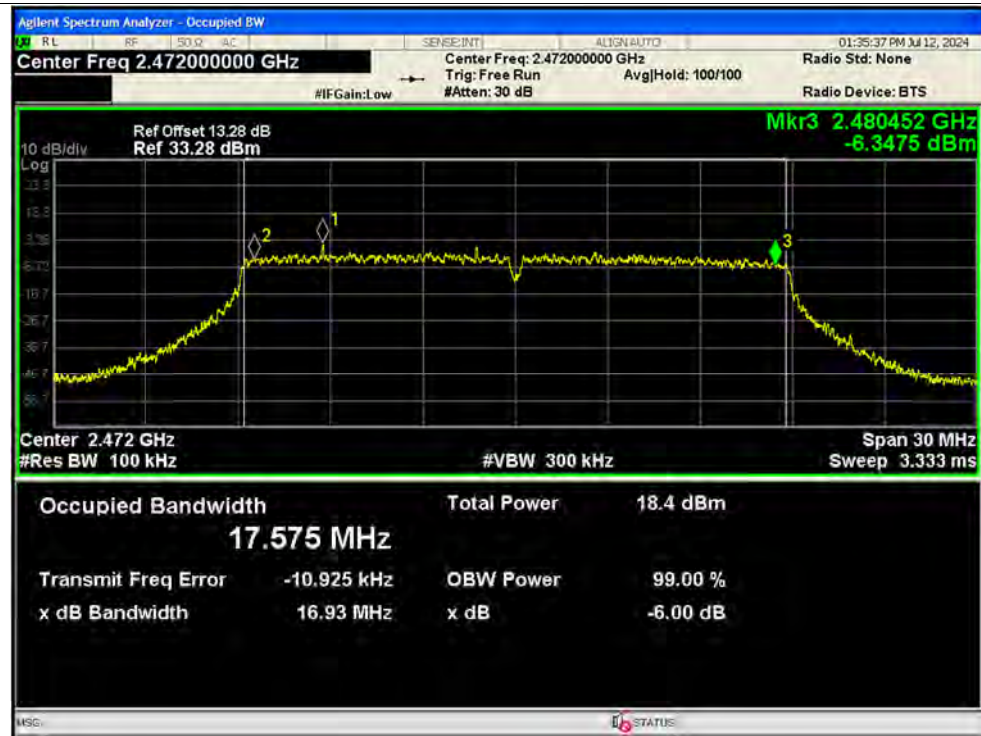
-6dB Bandwidth NVNT n20 2412MHz Ant1 SISO



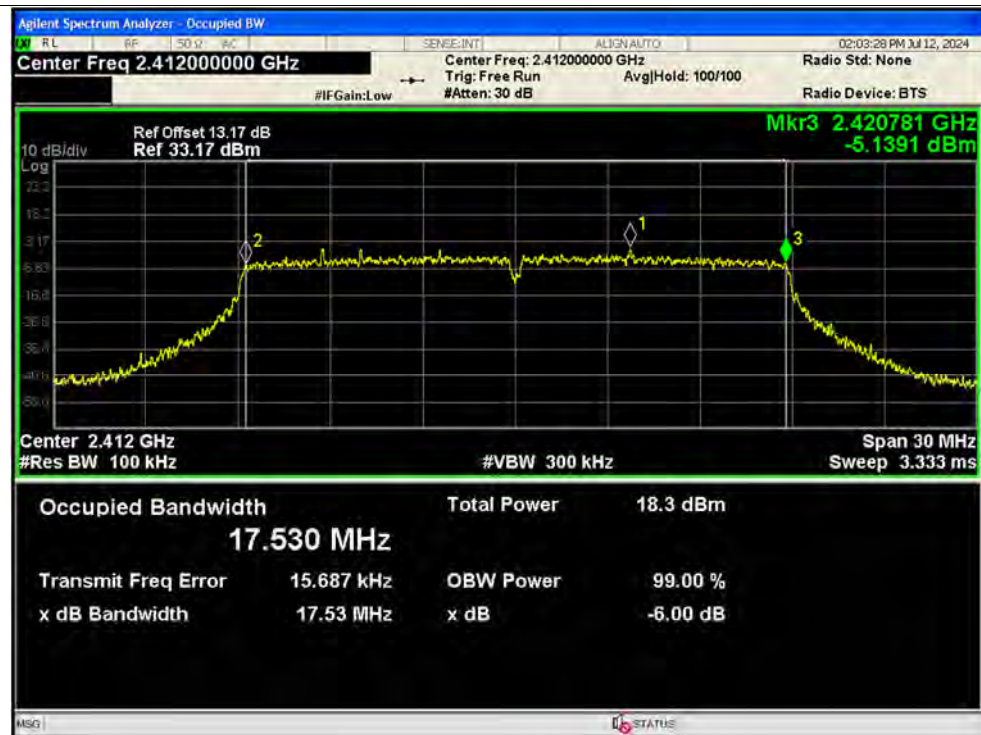
-6dB Bandwidth NVNT n20 2442MHz Ant1 SISO



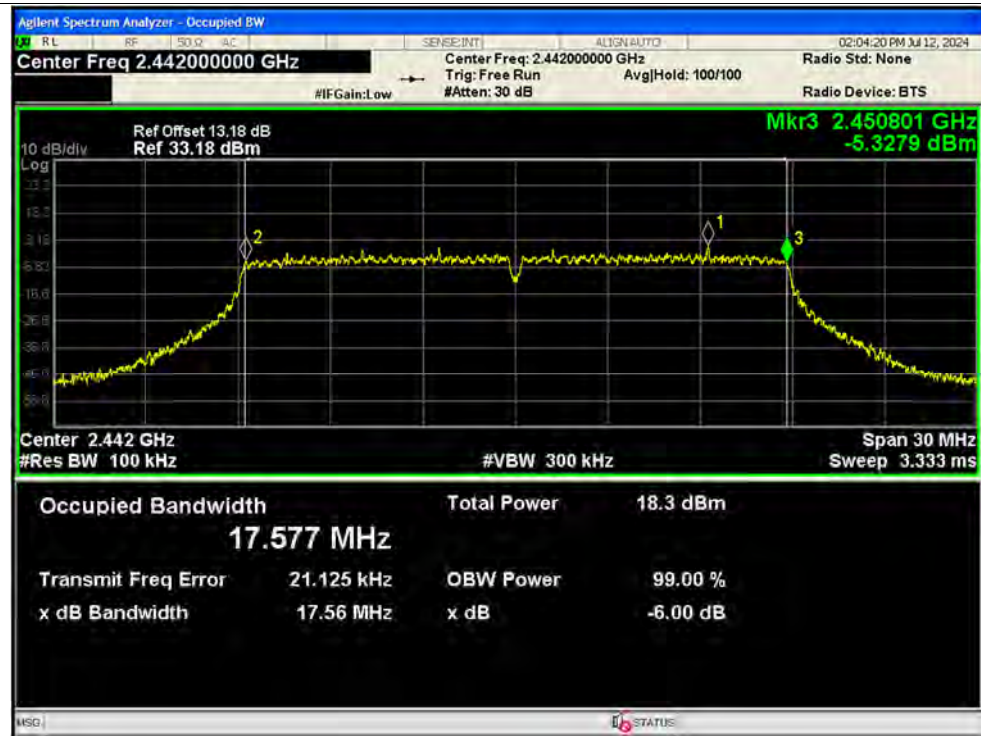
-6dB Bandwidth NVNT n20 2472MHz Ant1 SISO



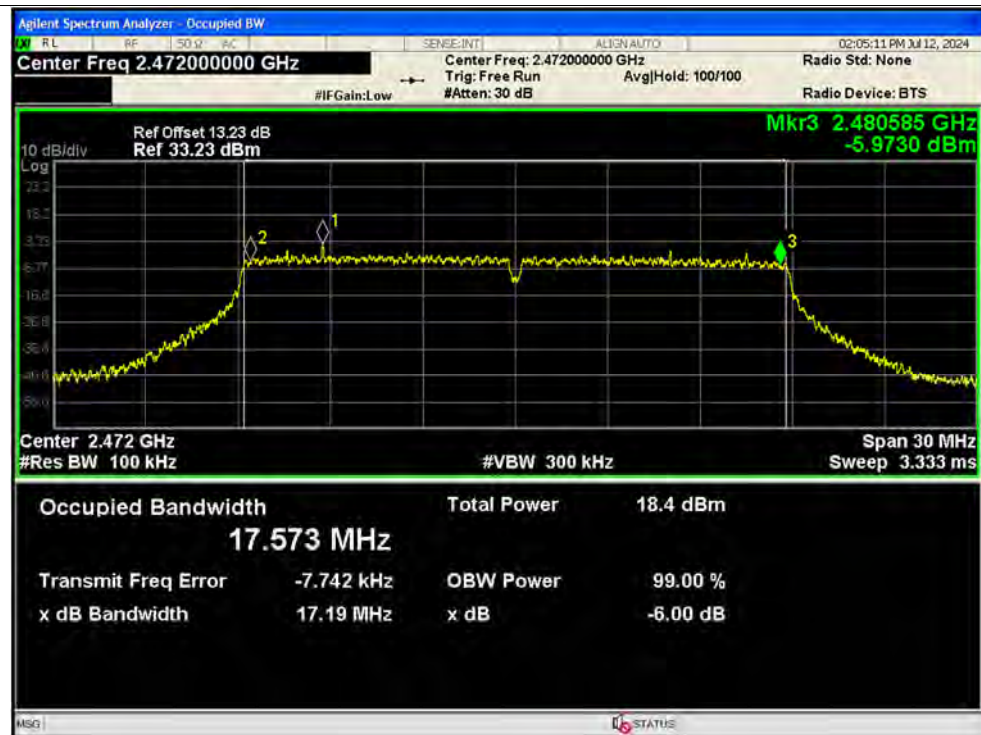
-6dB Bandwidth NVNT n20 2412MHz Ant2 SISO



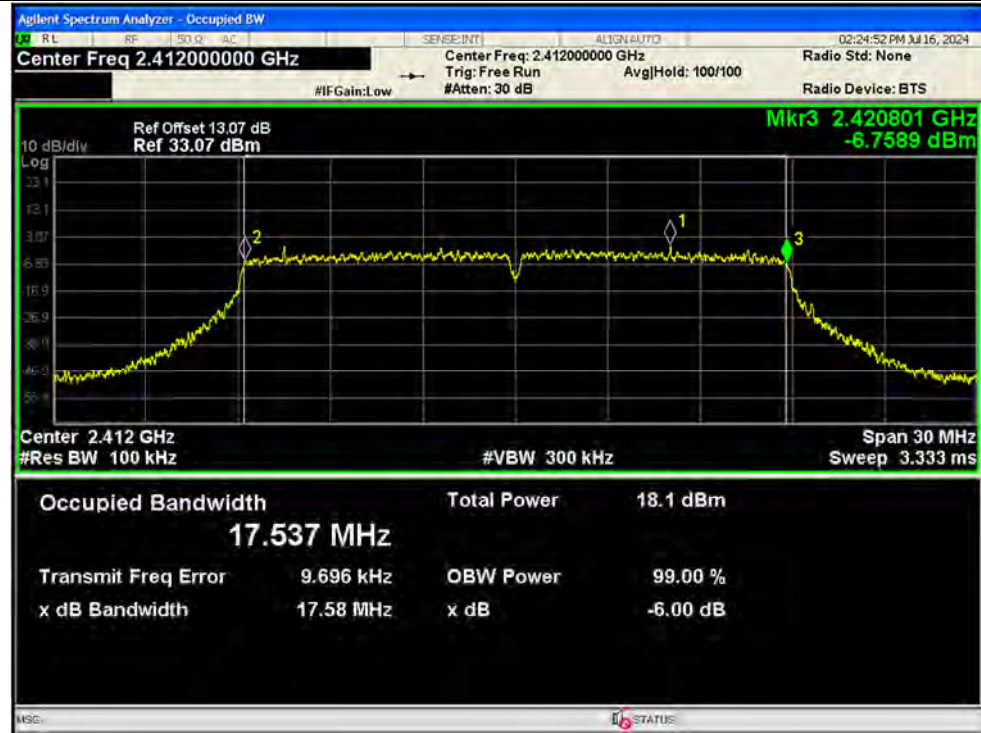
-6dB Bandwidth NVNT n20 2442MHz Ant2 SISO



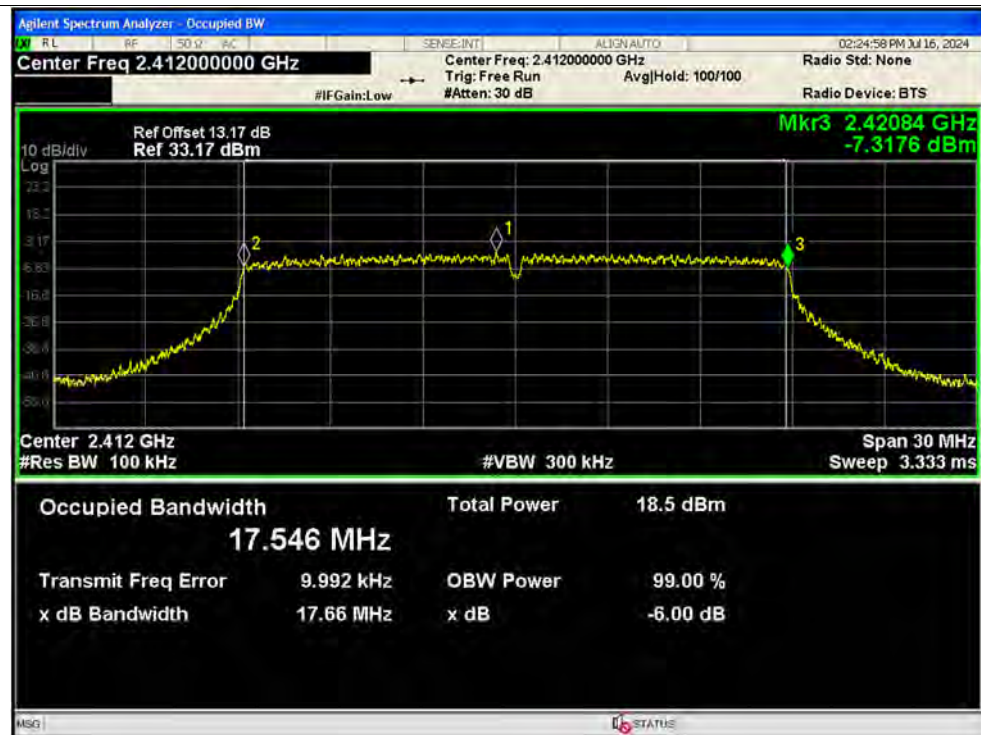
-6dB Bandwidth NVNT n20 2472MHz Ant2 SISO



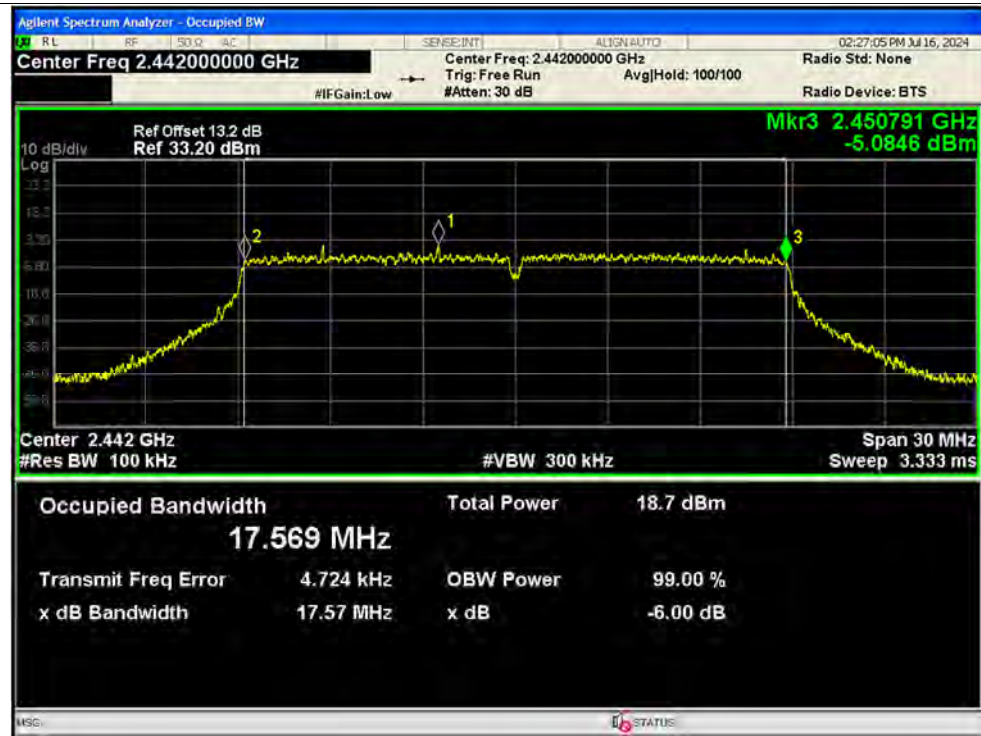
-6dB Bandwidth NVNT n20 2412MHz Ant1 MIMO



-6dB Bandwidth NVNT n20 2412MHz Ant2 MIMO



-6dB Bandwidth NVNT n20 2442MHz Ant1 MIMO



-6dB Bandwidth NVNT n20 2442MHz Ant2 MIMO



-6dB Bandwidth NVNT n20 2472MHz Ant1 MIMO

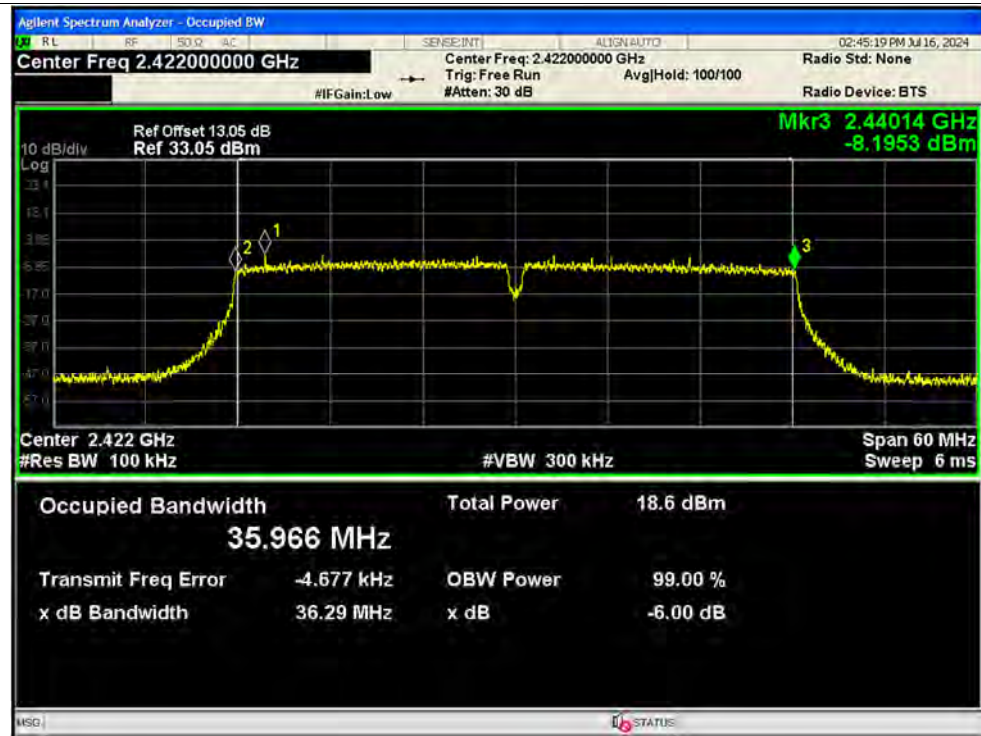


-6dB Bandwidth NVNT n20 2472MHz Ant2 MIMO





-6dB Bandwidth NVNT n40 2422MHz Ant1 SISO



-6dB Bandwidth NVNT n40 2442MHz Ant1 SISO

