



REPORT No.: SZ26090251W03

TEST REPORT

APPLICANT : Aptiv Services Poland S.A.

PRODUCT NAME : P-MIB4

MODEL NAME : P-MIB4

BRAND NAME : APTIV

FCC ID : 2BU79PMIB4

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2026-01-19

TEST DATE : 2026-03-10 to 2026-03-26

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REPORT No.: SZ26090251W03

Change History		
Version	Date	Reason for change
1.0	2026-09-21	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS Note4	/
2	N/A	Duty Cycle of Test Signal	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
3	15.247(b)	Maximum Peak Conducted Output Power	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
4	15.247(b)	Maximum Average Conducted Output Power	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
5	15.247(a)	Bandwidth	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
6	15.247(d)	Conducted Spurious Emission and Band Edge	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
7	15.247(e)	Power Spectral Density	Mar. 10, 2026	Lin Haoyang	PASS Note4	/
8	15.207	Conducted Emission	N/A	N/A	N/A Note1	/
9	15.247(d)	Restricted Frequency Bands	Mar. 13 to 26, 2026	Tian Xin	PASS Note4	/
10	15.209, 15.247(d)	Radiated Emission	Mar. 13 to 26, 2026	Tian Xin	PASS Note4	/

Note 1: Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

Note 2: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2020 and KDB 558074 D01 v05r02.

Note 3: Any additions, deviation, or exclusions from the method shall be noted in the “Remark”.

Note 4: The test results of these test items in this report refer to the test report (Report No.: SZ26030114W03).



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	2025.12.23	2026.12.22
Attenuator	MTJ6004-20	VAT-10+	MTJ Cooperation	N/A	N/A
RF Cable (30MHz-26GHz)	CB01	RF01	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	101052	ESPI	R&S	2025.05.15	2026.05.14
LISN	103131	ENV 216	R&S	2025.03.20	2026.03.19
RF Coaxial Cable (DC-100MHz)	EMC-CE-00514	N/A	N/A	2025.05.06	2026.05.05

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
JS32-RE	Tonscend	5.0.0
TS+ -[JS32-CE]	Tonscend	2.5.0.0

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2025.09.03	2026.09.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2026.04.18



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.1-3, 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:	Aptiv Services Poland S.A.
Applicant Address:	ul. Podgórk Tynieckie 2,30-399 Kraków, Poland
Manufacturer:	Aptiv Services Poland S.A.
Manufacturer Address:	ul. Podgórk Tynieckie 2,30-399 Kraków, Poland

2.2. Information of EUT

Product Name:	P-MIB4		
Sample No.:	13#, 14#, 19#		
Hardware Version:	6		
Software Version:	X021		
Blockchain log:			
Modulation Technology:	DSSS, OFDM, OFDMA		
Modulation Type:	Refer to section 2.4		
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:	Internal Antenna		
Antenna Gain (dBi):	ANT 1	ANT 2	Directional Gain Note 2
	2.51dBi	2.51dBi	5.52

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/ax	2TX

Note 2: Directional gain is calculated based on KDB 662911 D01

KDB 662911 D01 Directional Gain Calculation			
Clause	Type	Correlation	Calculation formula
F.2.a	Equal G_{ANT} & Power	☐ (i). Correlated	$G_{ANT} + 10\log(N_{ANT})$
		☐ (ii). Uncorrelated	G_{ANT}
F.2.d		☒ (i). Correlated	$10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/N_{ANT}]$



	Unequal G_{ANT} & Equal Power	☐ (ii). Uncorrelated	$10\log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$
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Where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

Note 3: All radiation test items for 802.11n and 802.11ax modulation mode operate at MIMO mode during the test. Other modulation modes 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: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

Note 5: This is a variant report of original report (Report No.: SZ26030114W03, FCC ID: 2BU79PMIB4) to request a Class II Permissive change, based on the similarity between before, made the following changes:

- a) Nexperia shortage mitigation many component swaps across RSC/MMX (transistors, MOSFETs, diodes, and logic ICs) replaced with alternates from Diodes Inc., TI, Yangjie, Panjit.
 - b) Smaller design fixes and improvements (I2C fixes, SI tuning, USB fixes, coding updates)
 - c) A few component robustness updates (e.g., higher temperature-rated crystals)
- And Strongbox removal, the others are the same as before.
- d) Change the hardware version.

Due to the above changes, we have evaluated and retested worst case of RF output power and radiated emissions, the test results are better than before, all other test items are no need to be retested. The changes do not affect the test results in this report.

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

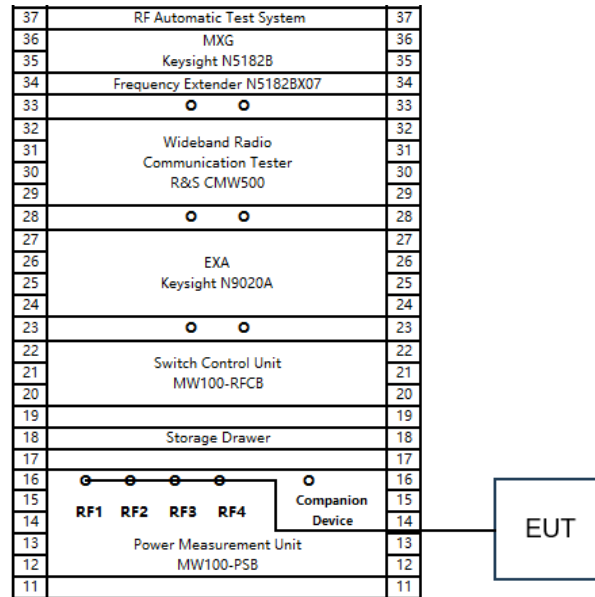
Note3: The RU allocation of 802.11ax mode, only full ru is supported.

2.5. Test Conditions

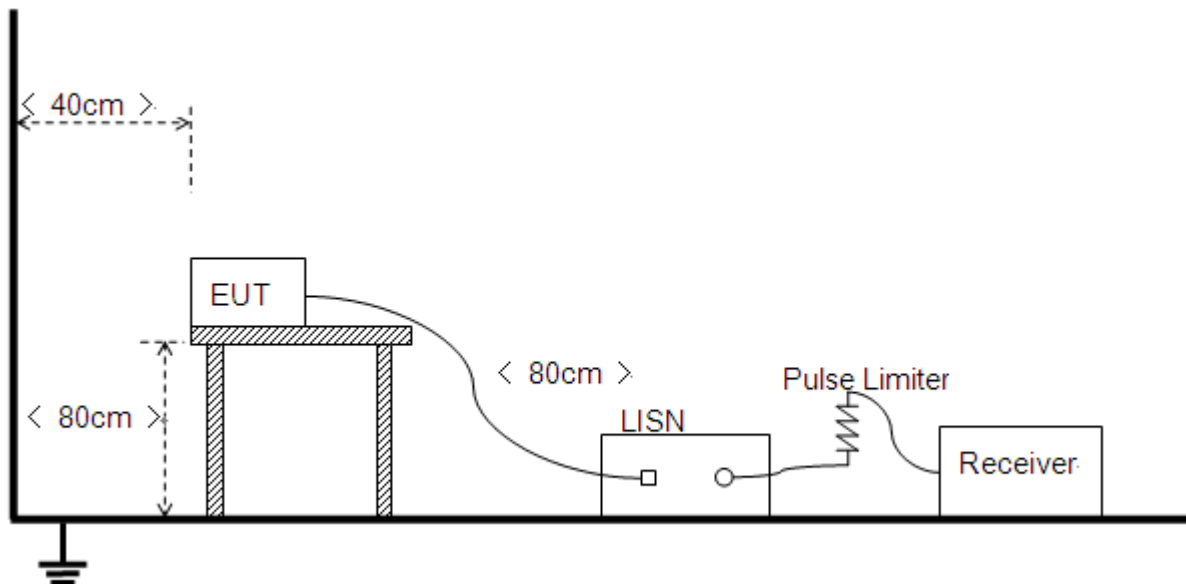
Temperature (°C):	15–35
Relative Humidity (%):	30–60
Atmospheric Pressure (kPa):	86–106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

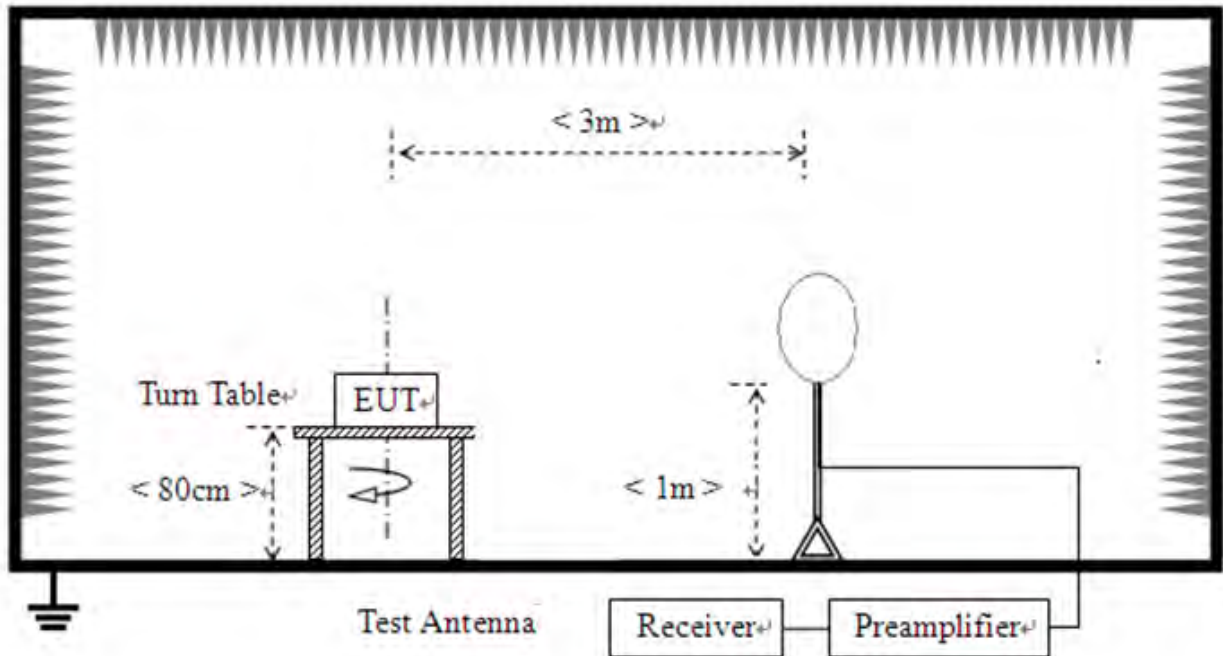


2.6.2. Conducted Emission Measurement

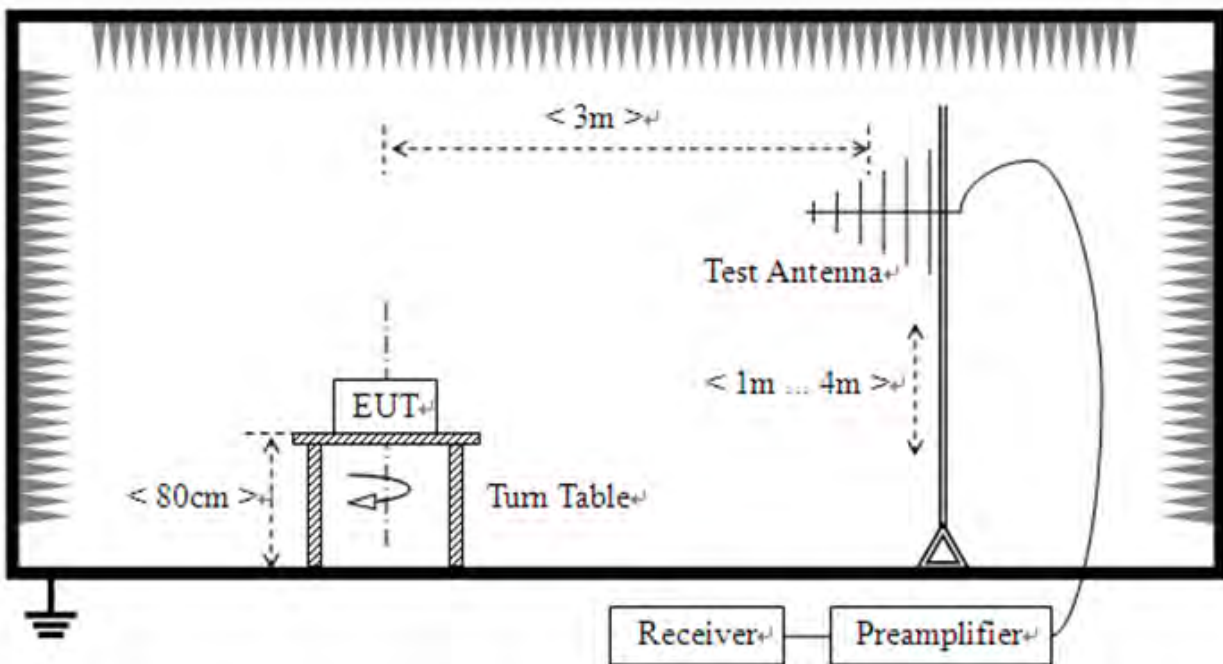


2.6.3.Radiation Measurement

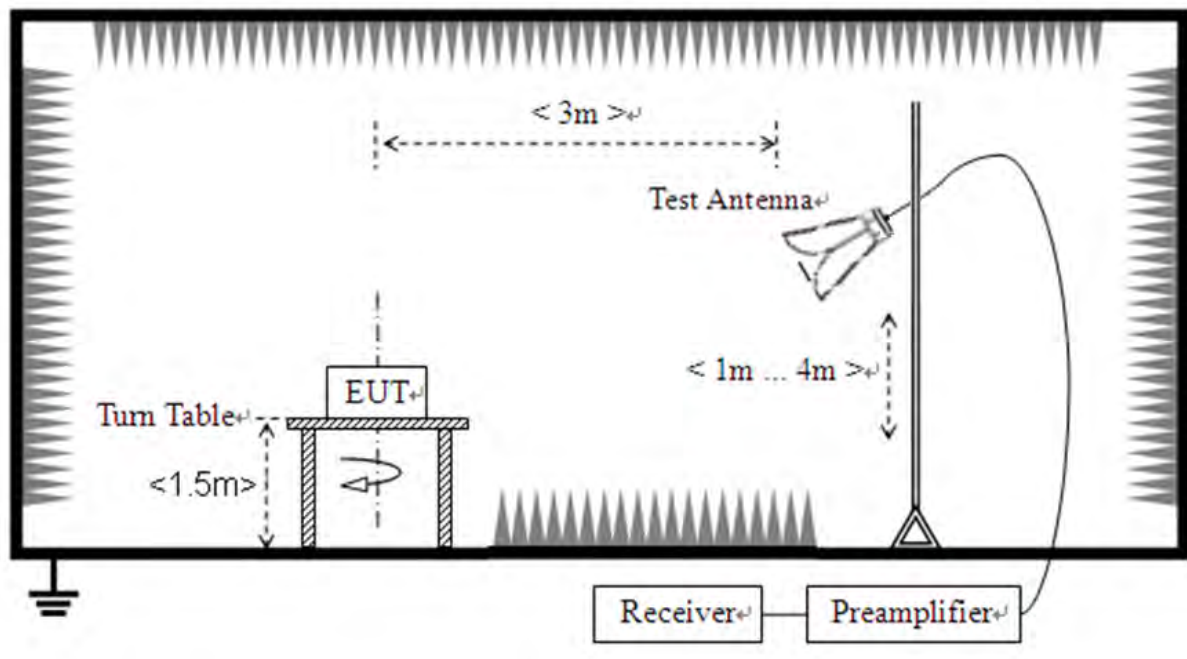
1) For radiated emissions from 9kHz to 30MHz



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 ☒ Internal Antenna	☐ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☒ Metal Shrapnel ☐ Layout



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

This test case does not apply this kind of EUT.

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.8 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 ($\mu\text{V}/\text{m}$)	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.9 in this report.



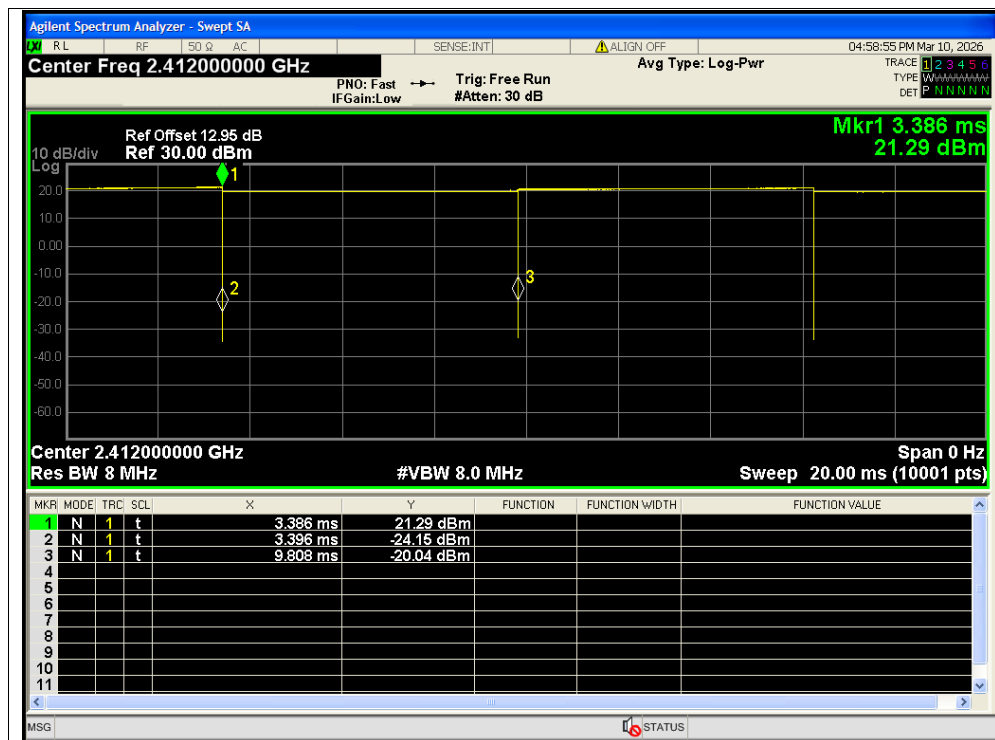
Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

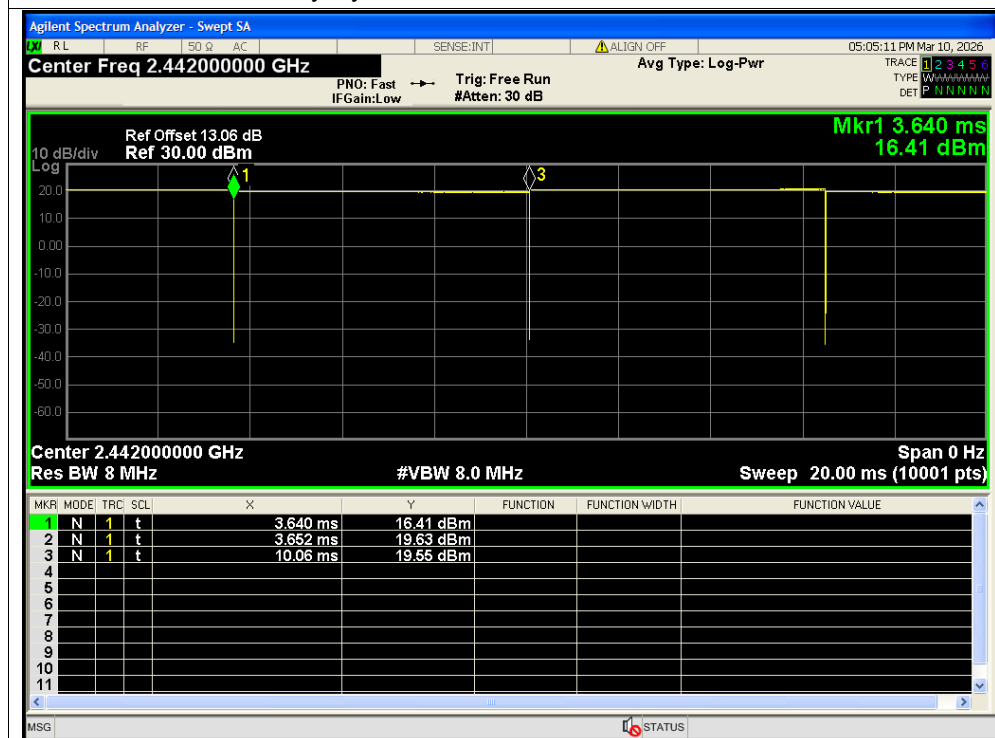
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b SISO	2412	Ant1	99.84	0.01	0.16
NVNT	b SISO	2442	Ant1	99.81	0.01	0.16
NVNT	b SISO	2472	Ant1	99.81	0.01	0.16
NVNT	b SISO	2412	Ant2	99.78	0.01	0.16
NVNT	b SISO	2442	Ant2	99.81	0.01	0.16
NVNT	b SISO	2472	Ant2	99.78	0.01	0.16
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	99.24	0.03	0.48
NVNT	g SISO	2472	Ant2	99.24	0.03	0.48
NVNT	n20 SISO	2412	Ant1	99.71	0.01	0.18
NVNT	n20 SISO	2442	Ant1	99.71	0.01	0.18
NVNT	n20 SISO	2472	Ant1	99.71	0.01	0.18
NVNT	n20 SISO	2412	Ant2	99.71	0.01	0.18
NVNT	n20 SISO	2442	Ant2	99.71	0.01	0.18
NVNT	n20 SISO	2472	Ant2	99.71	0.01	0.18
NVNT	n20 MIMO	2412	Sum	99.71	0.01	0.18
NVNT	n20 MIMO	2442	Sum	99.71	0.01	0.18
NVNT	n20 MIMO	2472	Sum	99.71	0.01	0.18
NVNT	n40 SISO	2422	Ant1	99.71	0.01	0.18
NVNT	n40 SISO	2442	Ant1	99.71	0.01	0.18
NVNT	n40 SISO	2462	Ant1	99.74	0.01	0.18
NVNT	n40 SISO	2422	Ant2	99.71	0.01	0.18
NVNT	n40 SISO	2442	Ant2	99.71	0.01	0.18
NVNT	n40 SISO	2462	Ant2	99.71	0.01	0.18
NVNT	n40 MIMO	2422	Sum	99.71	0.01	0.18
NVNT	n40 MIMO	2442	Sum	99.71	0.01	0.18
NVNT	n40 MIMO	2462	Sum	99.71	0.01	0.18
NVNT	ax20 SISO	2412	Ant1	99.71	0.01	0.18
NVNT	ax20 SISO	2442	Ant1	99.71	0.01	0.18



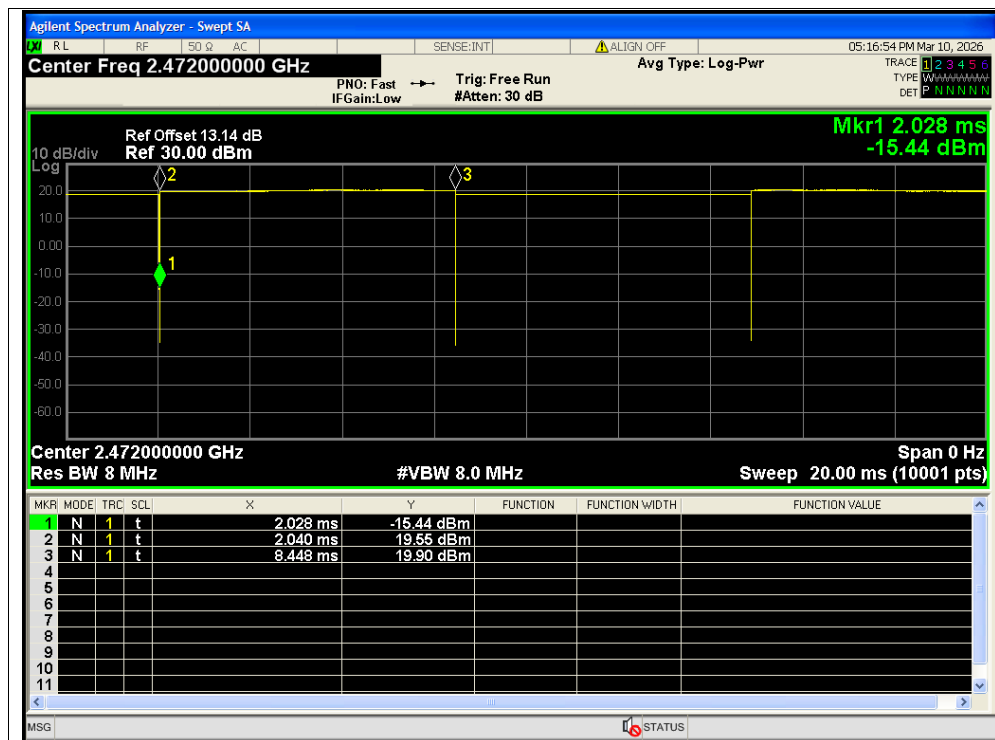
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NVNT	ax20 SISO	2412	Ant2	99.71	0.01	0.18
NVNT	ax20 SISO	2442	Ant2	99.71	0.01	0.18
NVNT	ax20 SISO	2472	Ant2	99.71	0.01	0.18
NVNT	ax20 MIMO	2412	Sum	99.74	0.01	0.18
NVNT	ax20 MIMO	2442	Sum	99.71	0.01	0.18
NVNT	ax20 MIMO	2472	Sum	99.71	0.01	0.18
NVNT	ax40 SISO	2422	Ant1	99.74	0.01	0.18
NVNT	ax40 SISO	2442	Ant1	99.71	0.01	0.18
NVNT	ax40 SISO	2462	Ant1	99.74	0.01	0.18
NVNT	ax40 SISO	2422	Ant2	99.74	0.01	0.18
NVNT	ax40 SISO	2442	Ant2	99.71	0.01	0.18
NVNT	ax40 SISO	2462	Ant2	99.71	0.01	0.18
NVNT	ax40 MIMO	2422	Sum	99.71	0.01	0.18
NVNT	ax40 MIMO	2442	Sum	99.71	0.01	0.18
NVNT	ax40 MIMO	2462	Sum	99.74	0.01	0.18



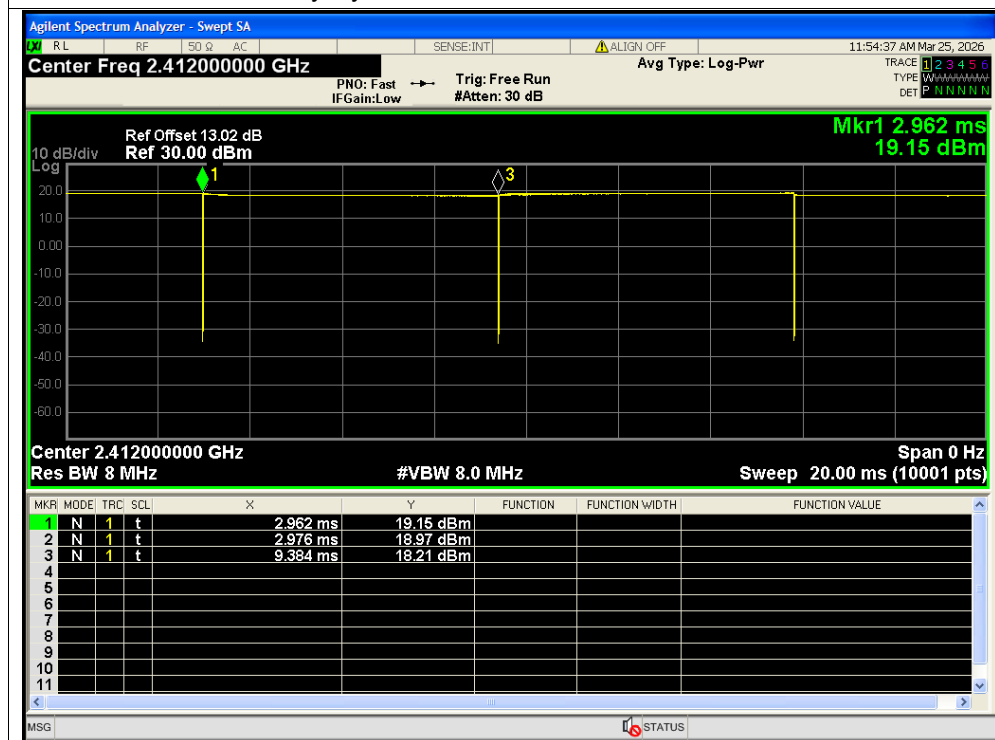
Duty Cycle NVNT b 2412MHz Ant1 SISO



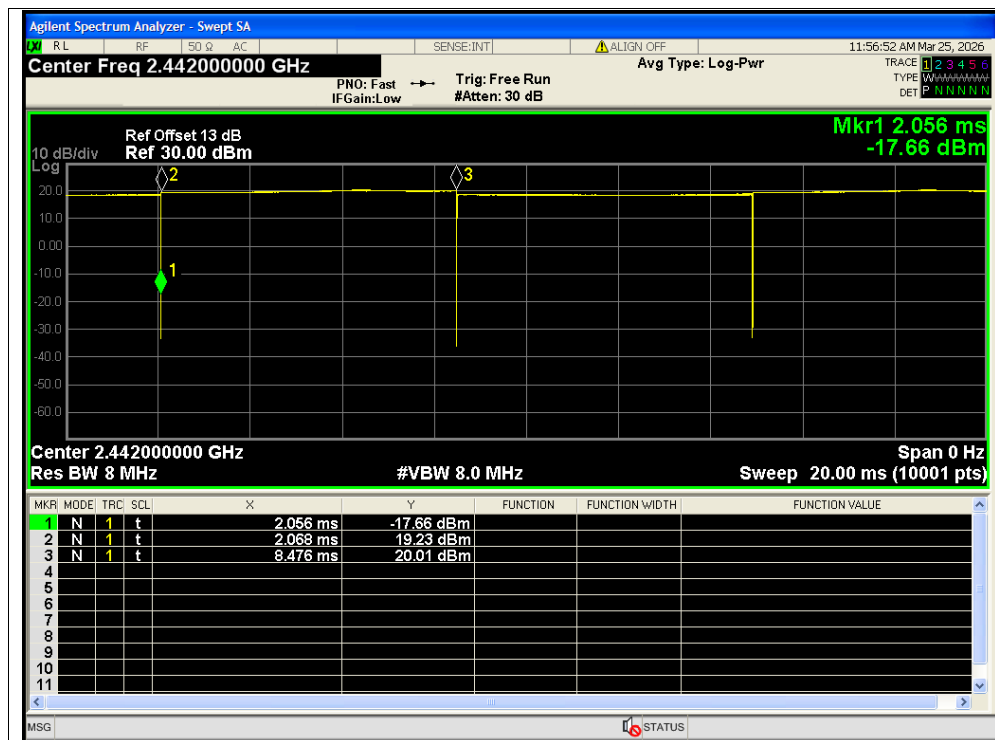
Duty Cycle NVNT b 2442MHz Ant1 SISO



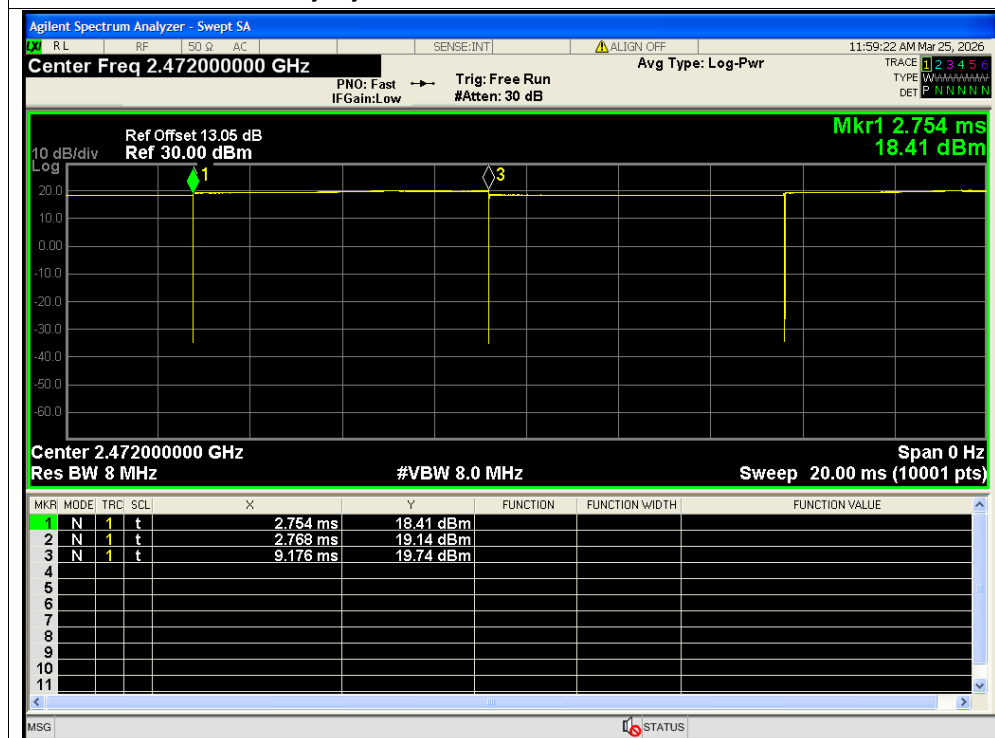
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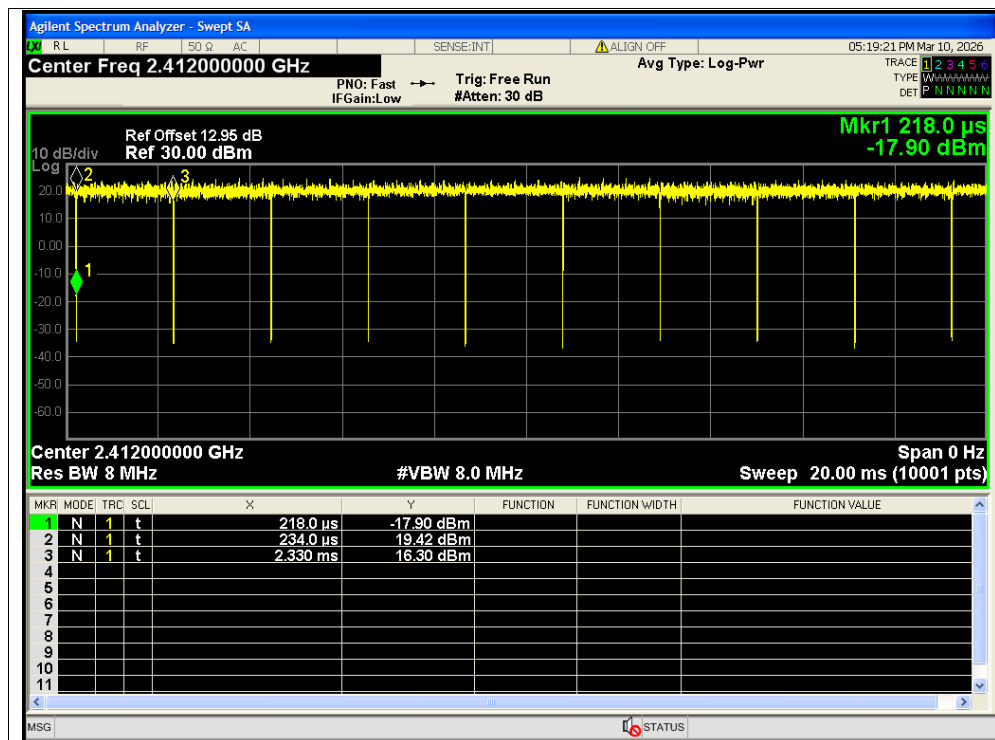
Duty Cycle NVNT b 2412MHz Ant2 SISO



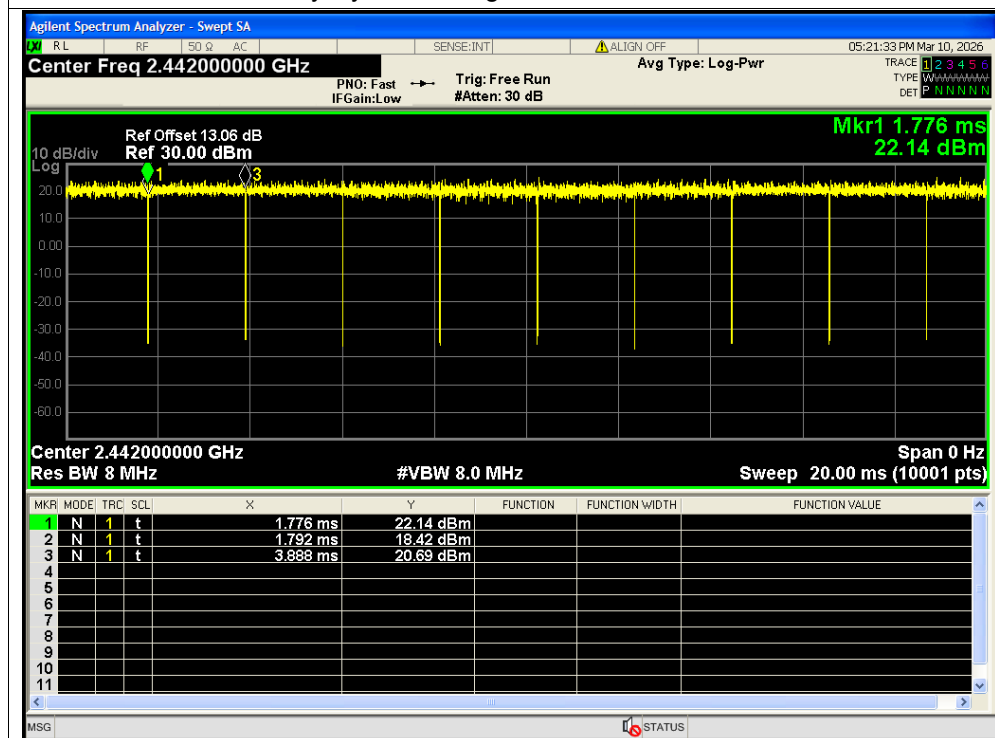
Duty Cycle NVNT b 2442MHz Ant2 SISO



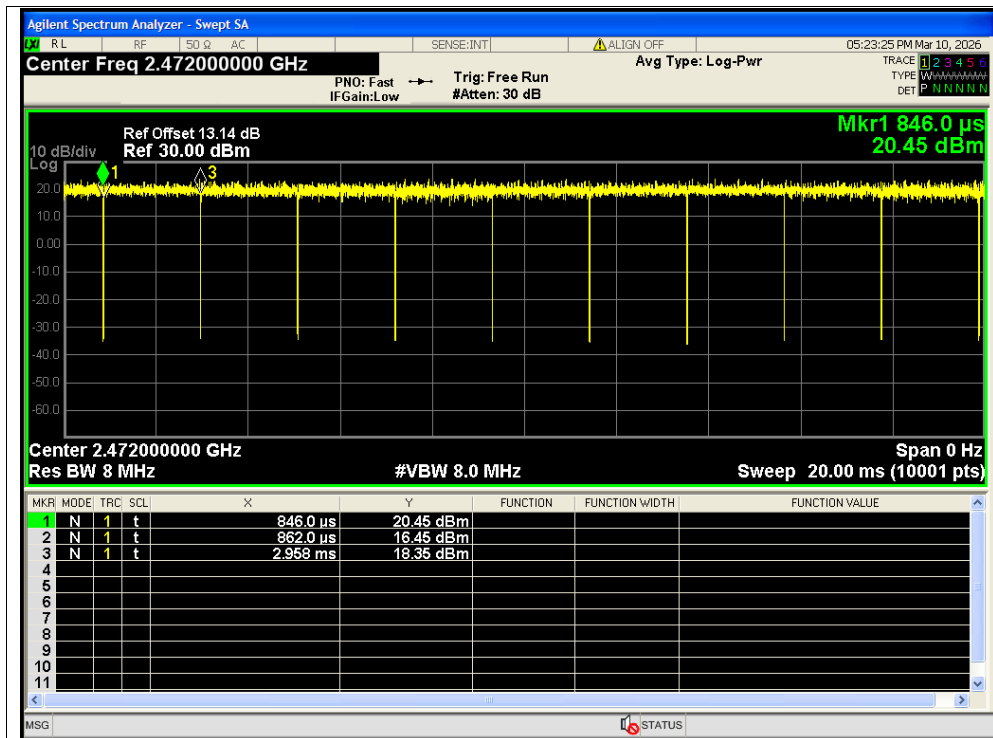
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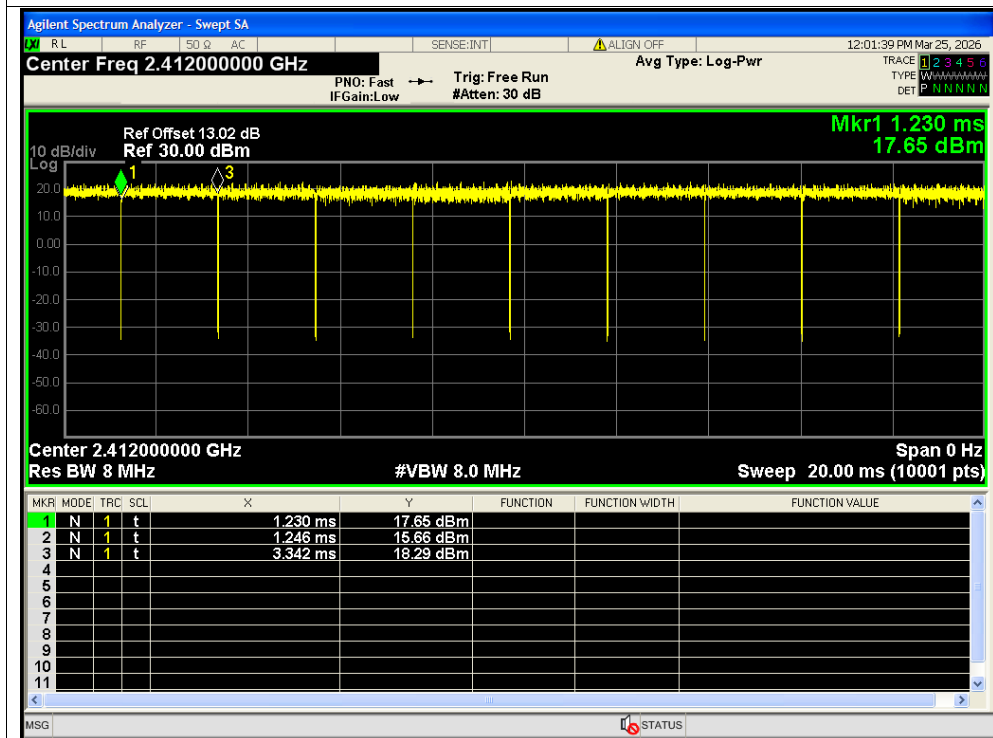
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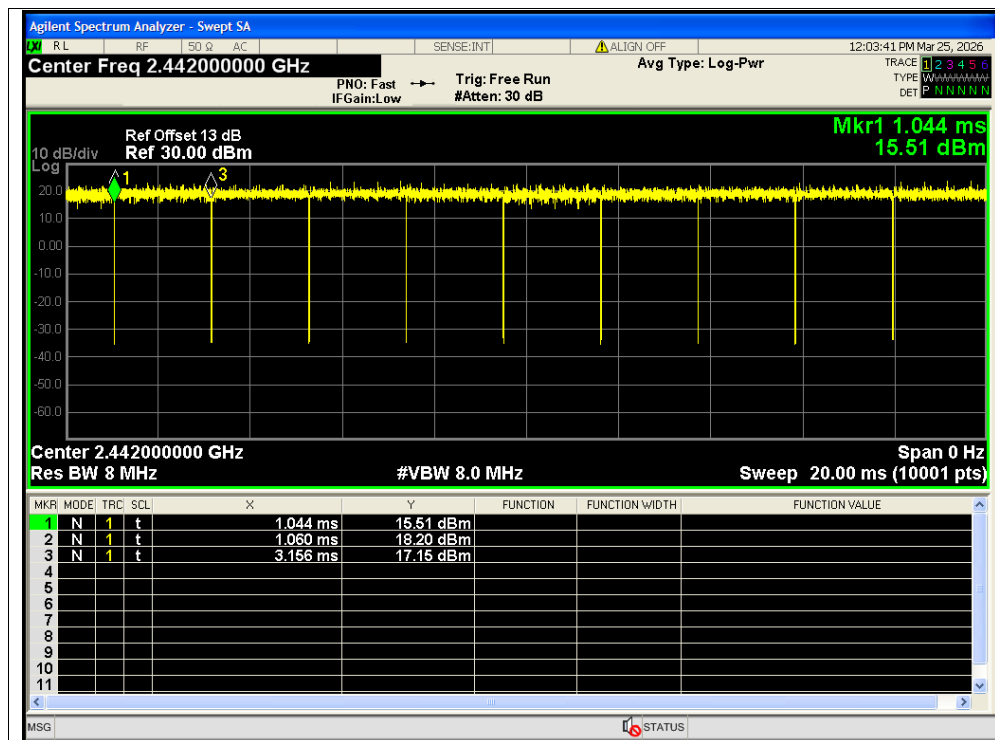
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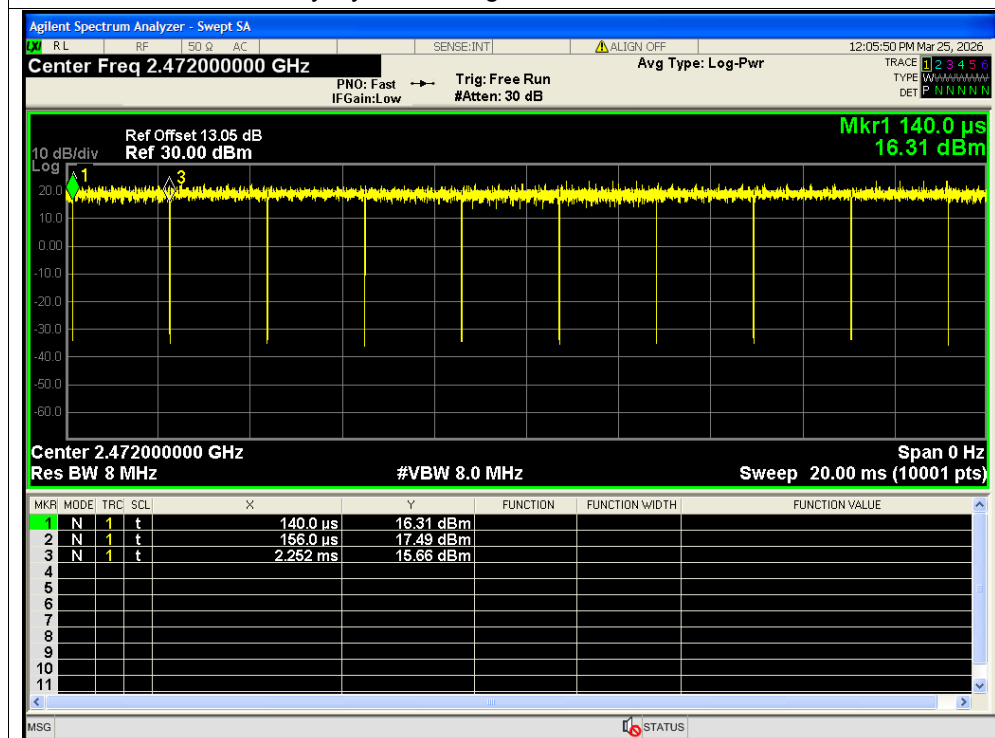
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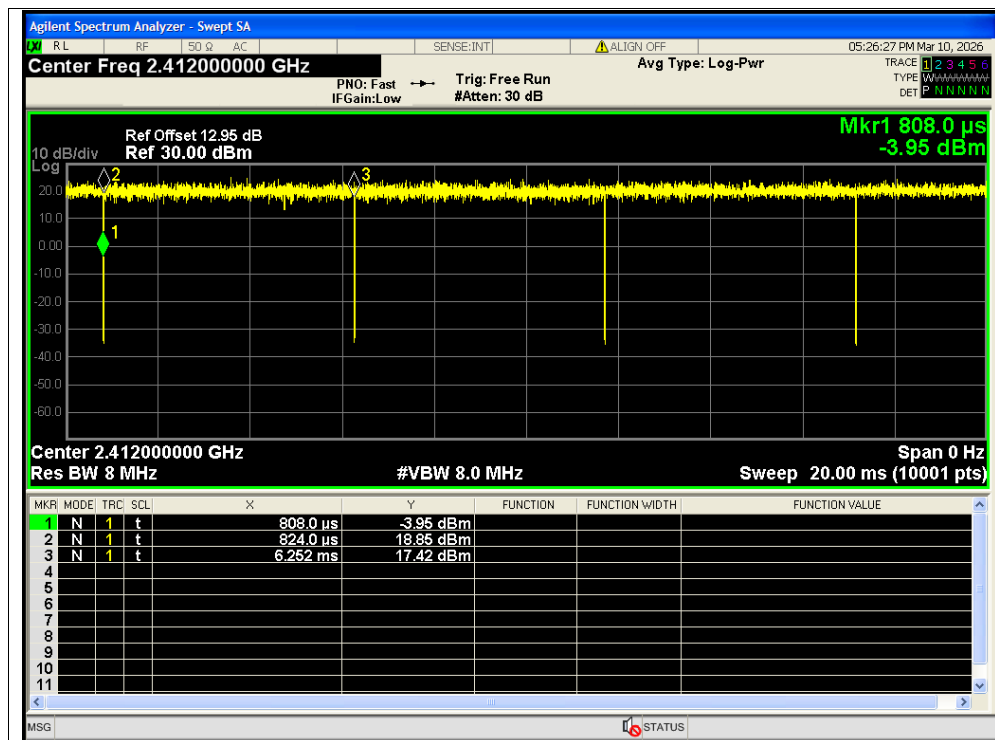
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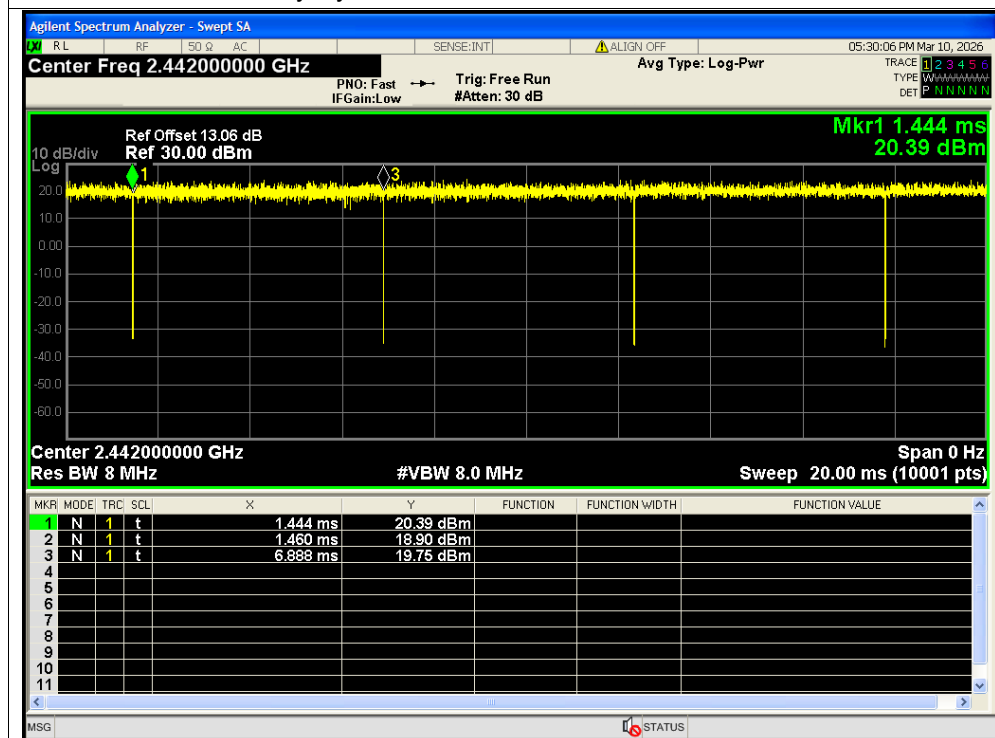
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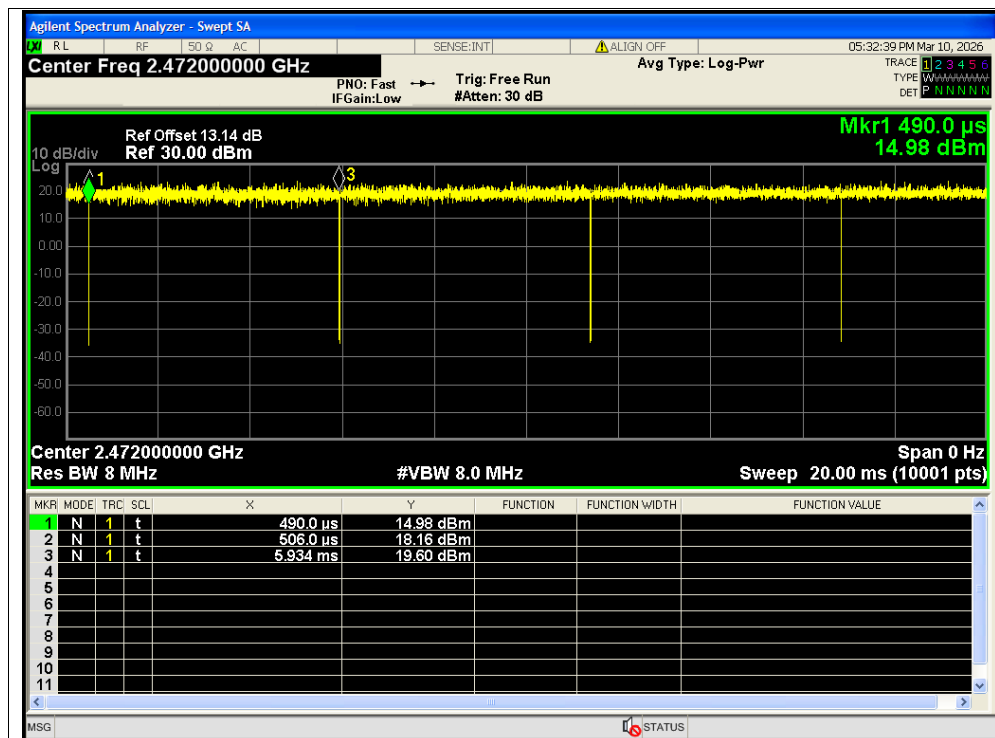
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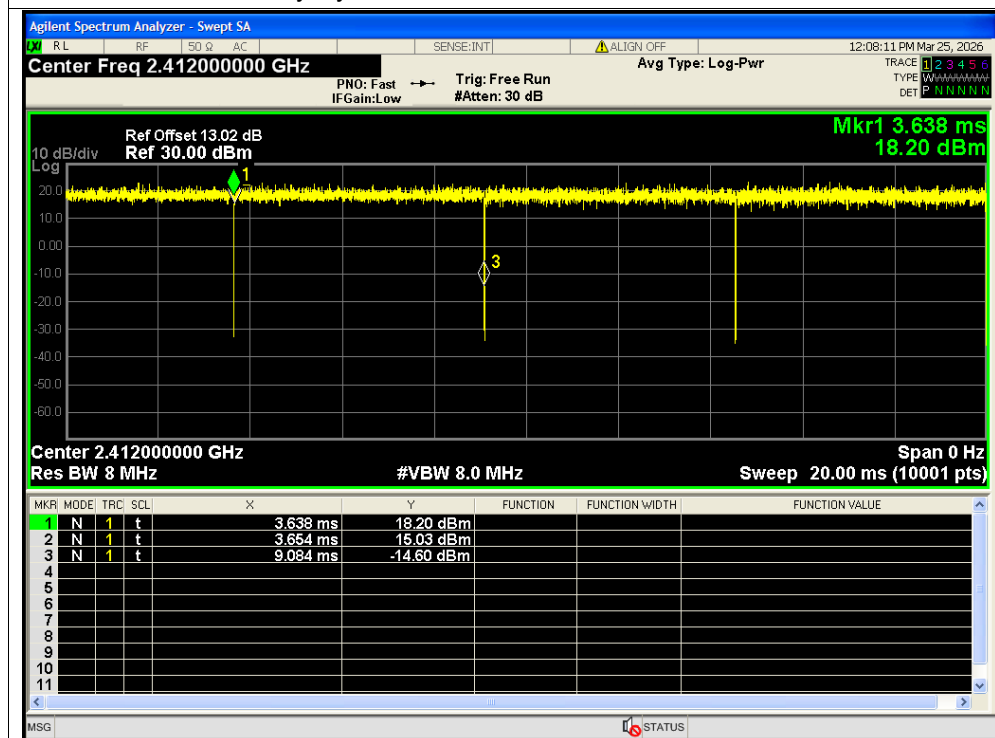
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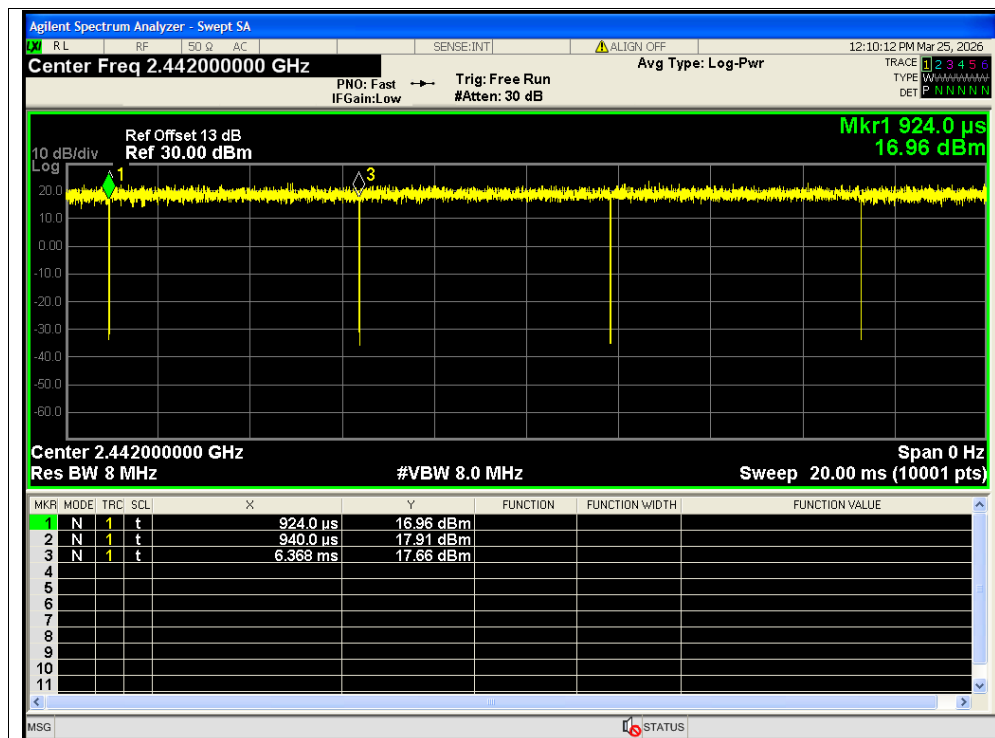
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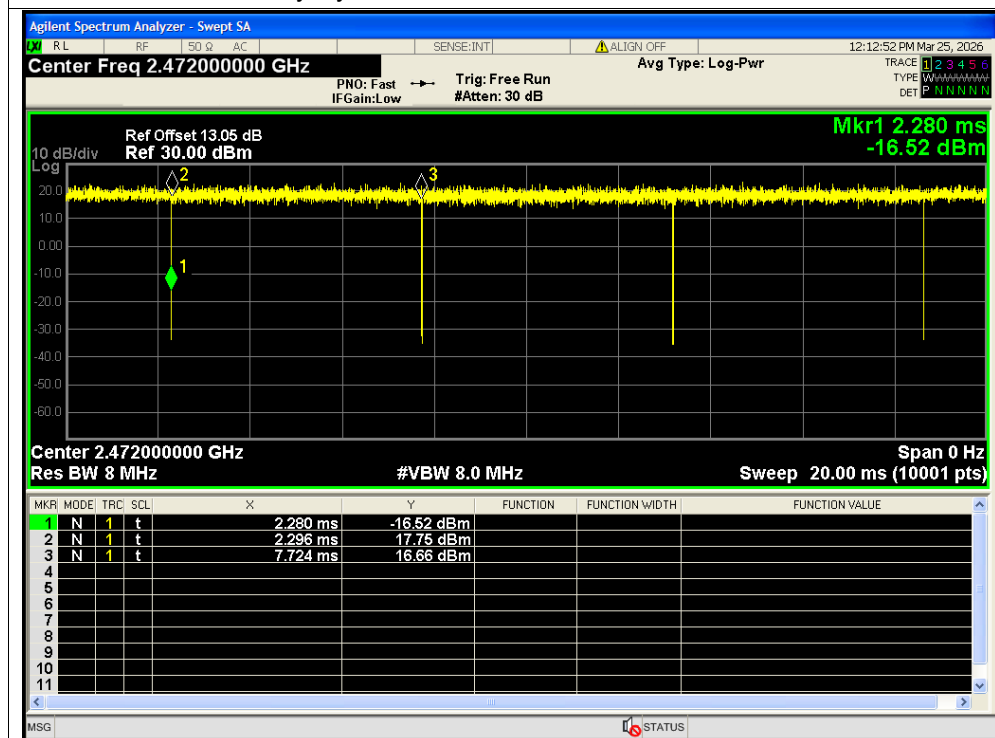
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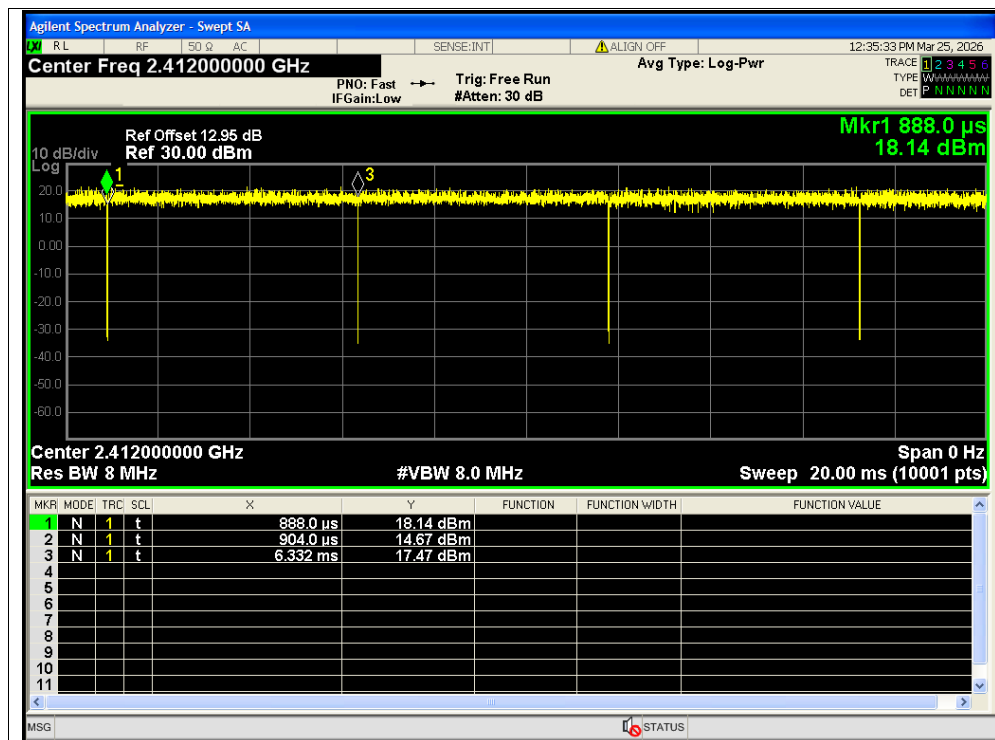
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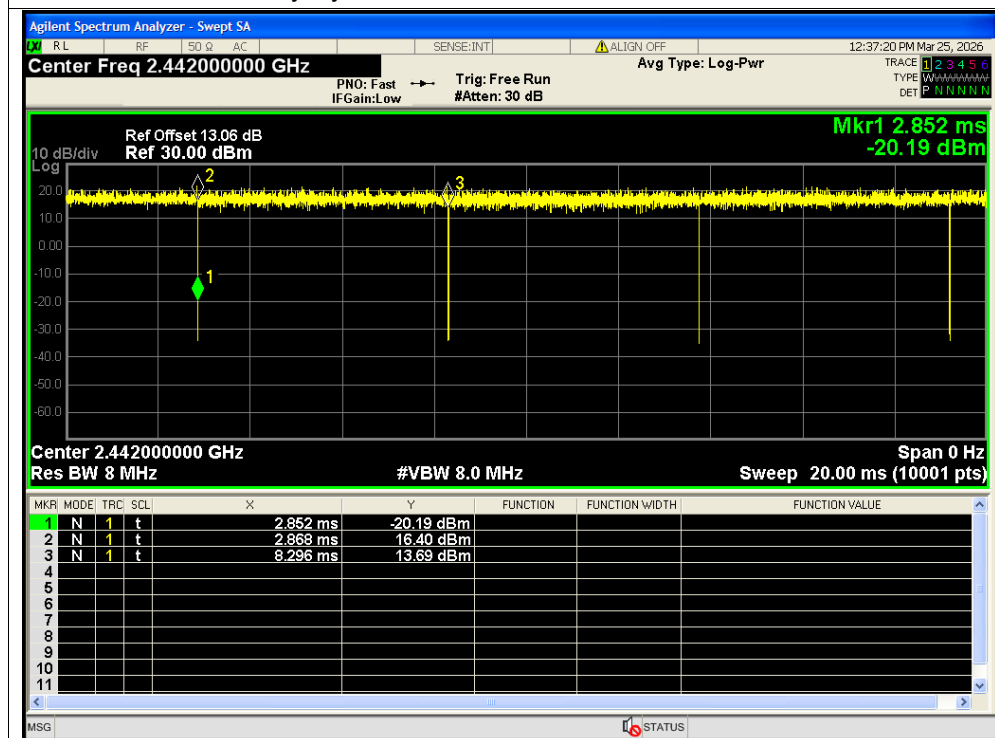
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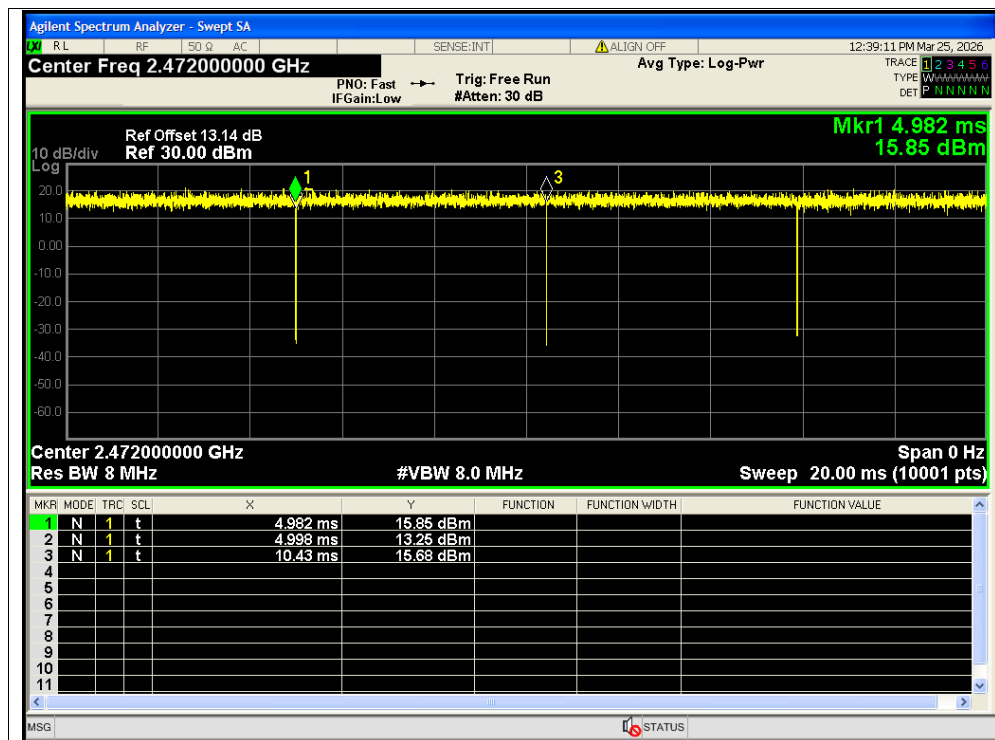
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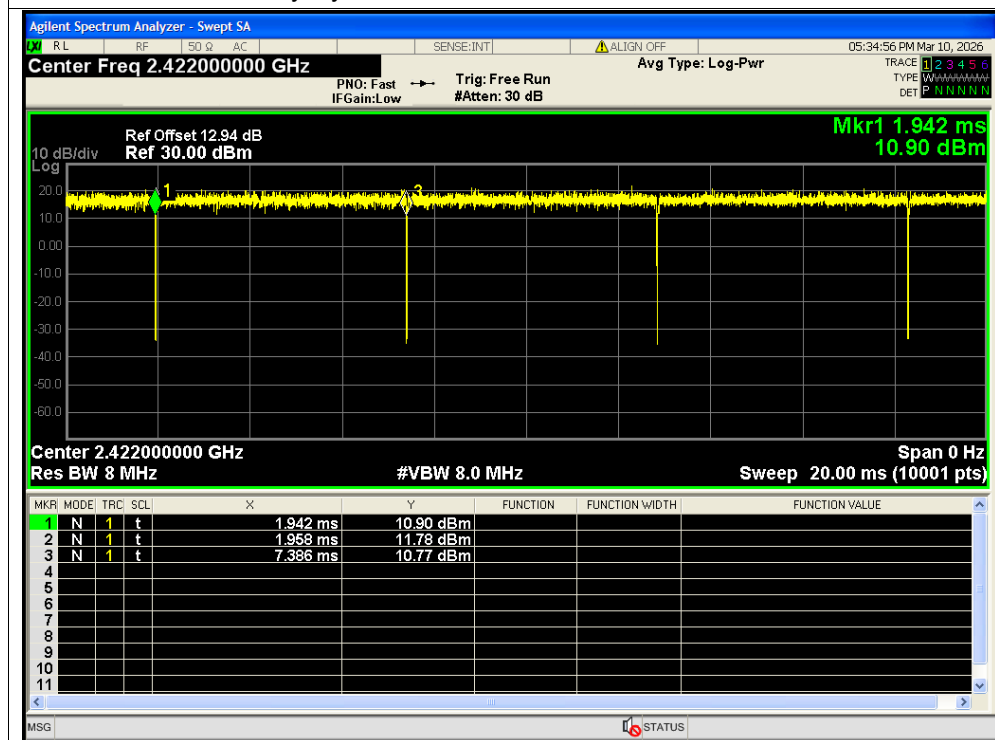
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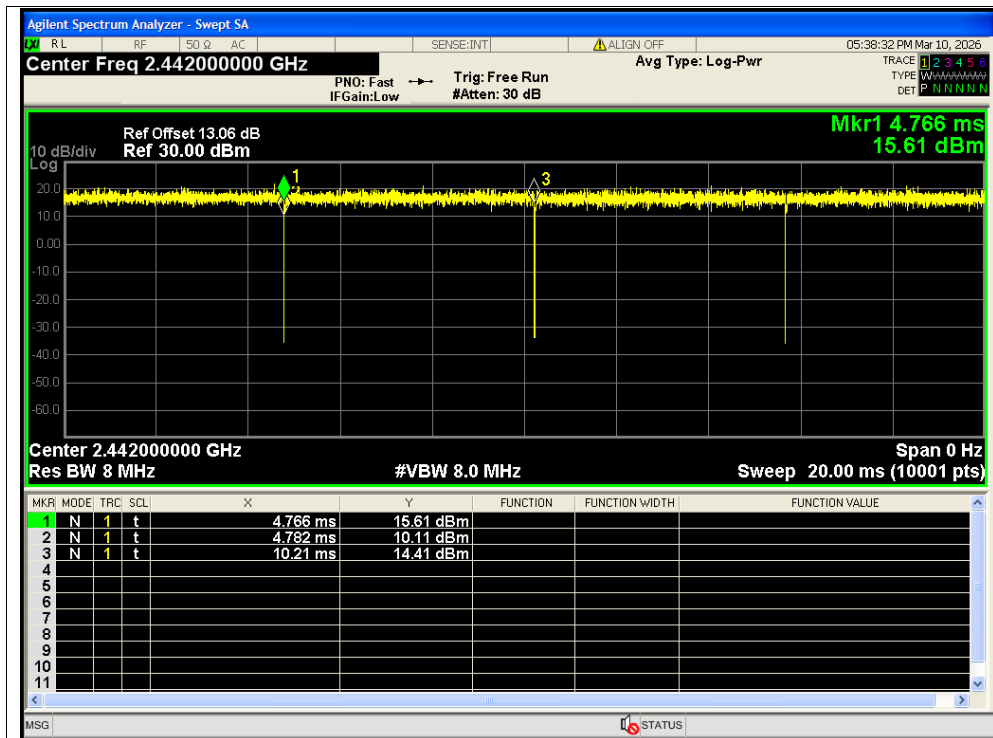
Duty Cycle NVNT n20 2442MHz Sum MIMO



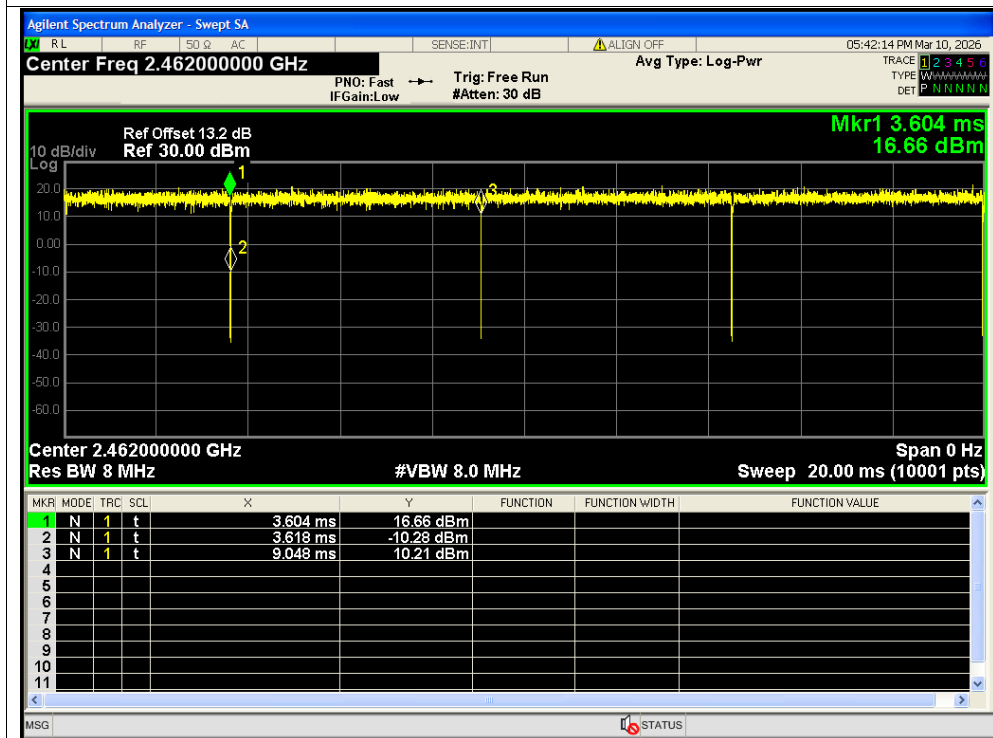
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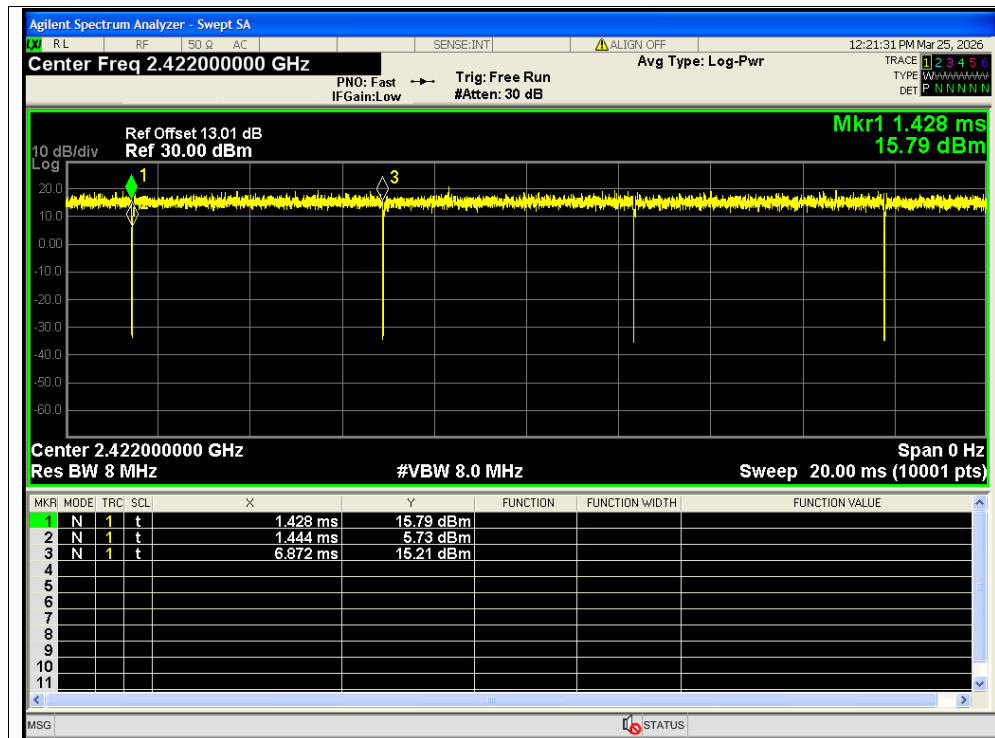
Duty Cycle NVNT n40 2422MHz Ant1 SISO



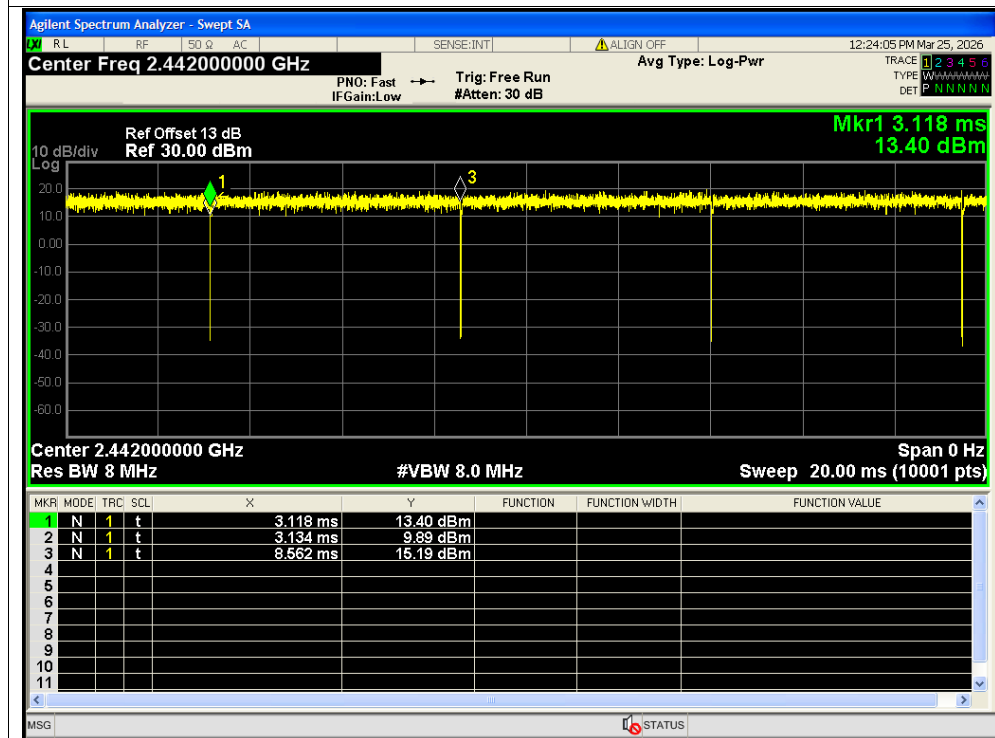
Duty Cycle NVNT n40 2442MHz Ant1 SISO



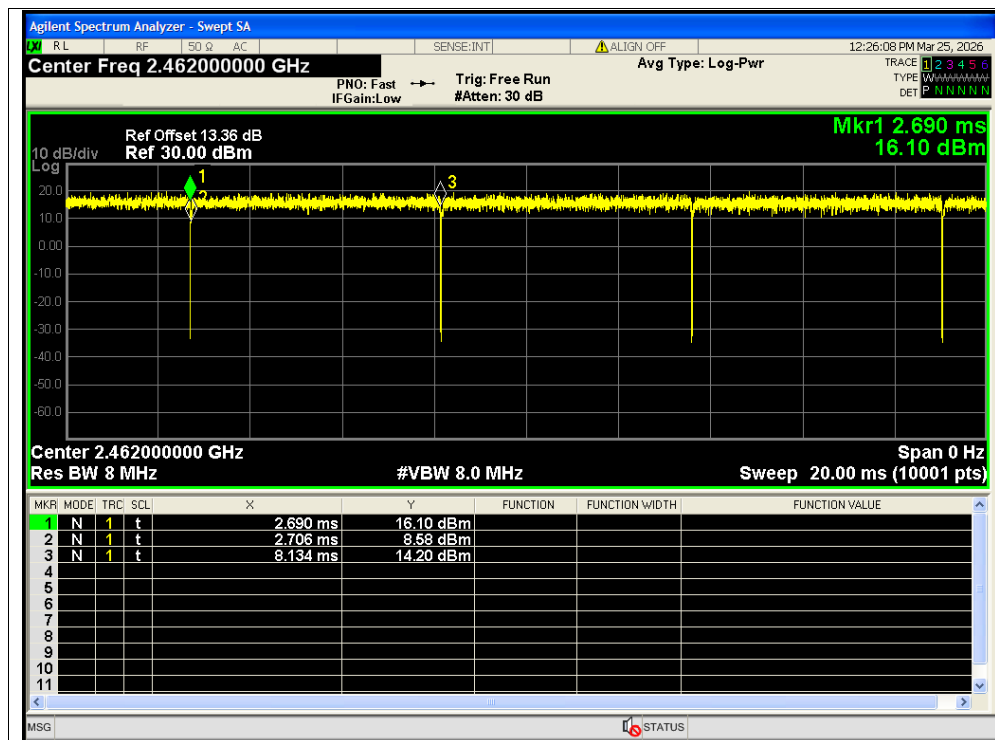
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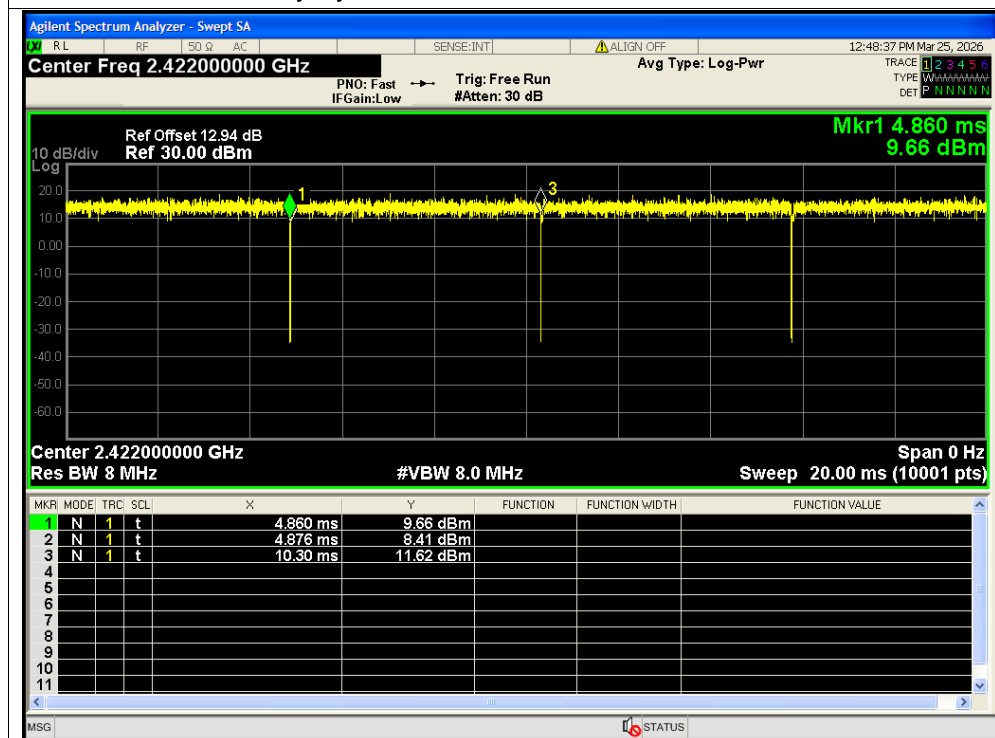
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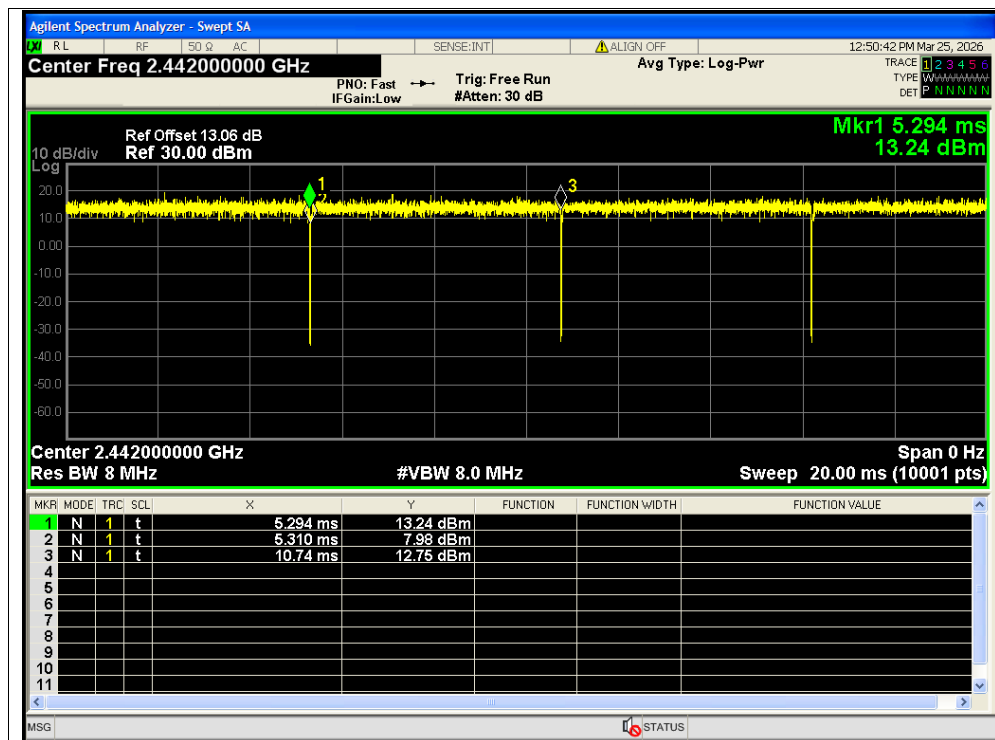
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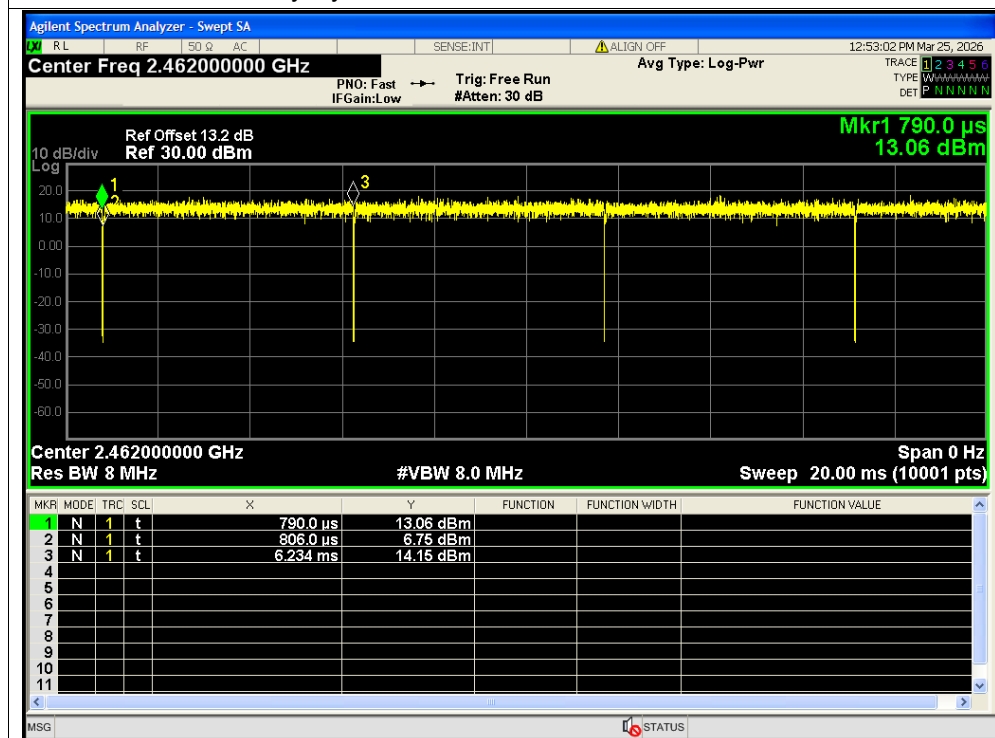
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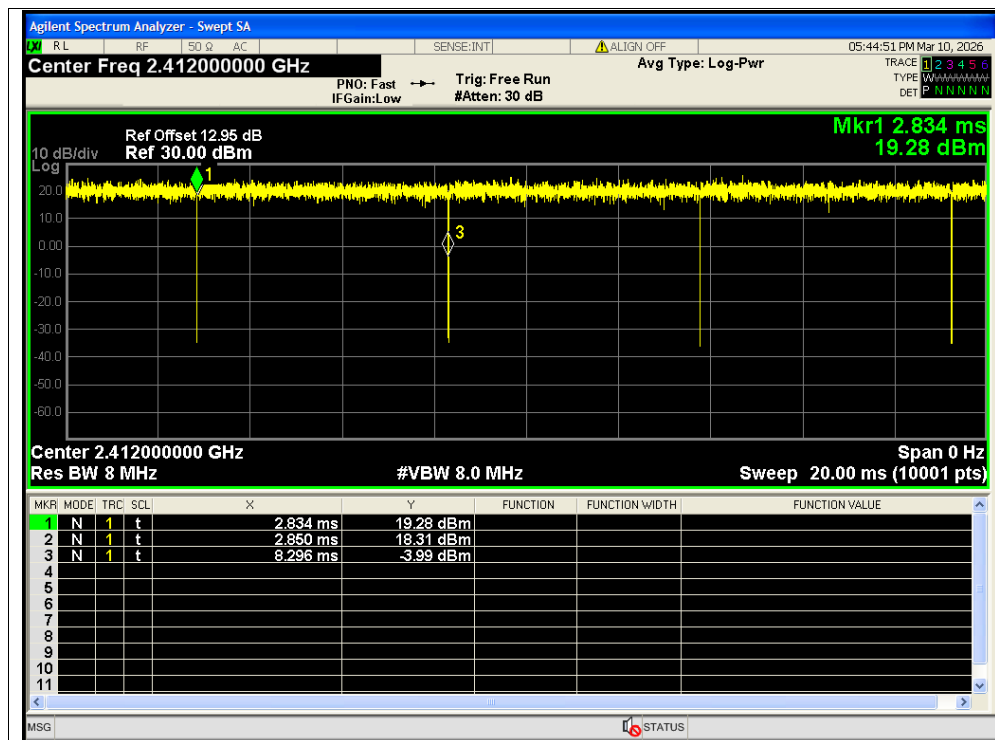
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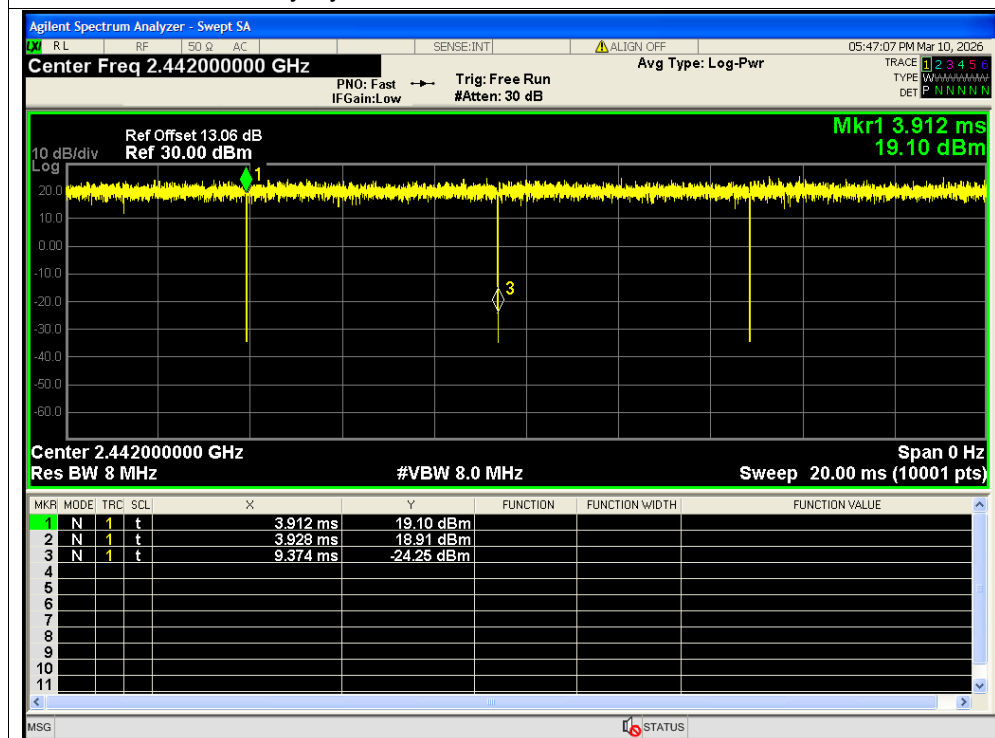
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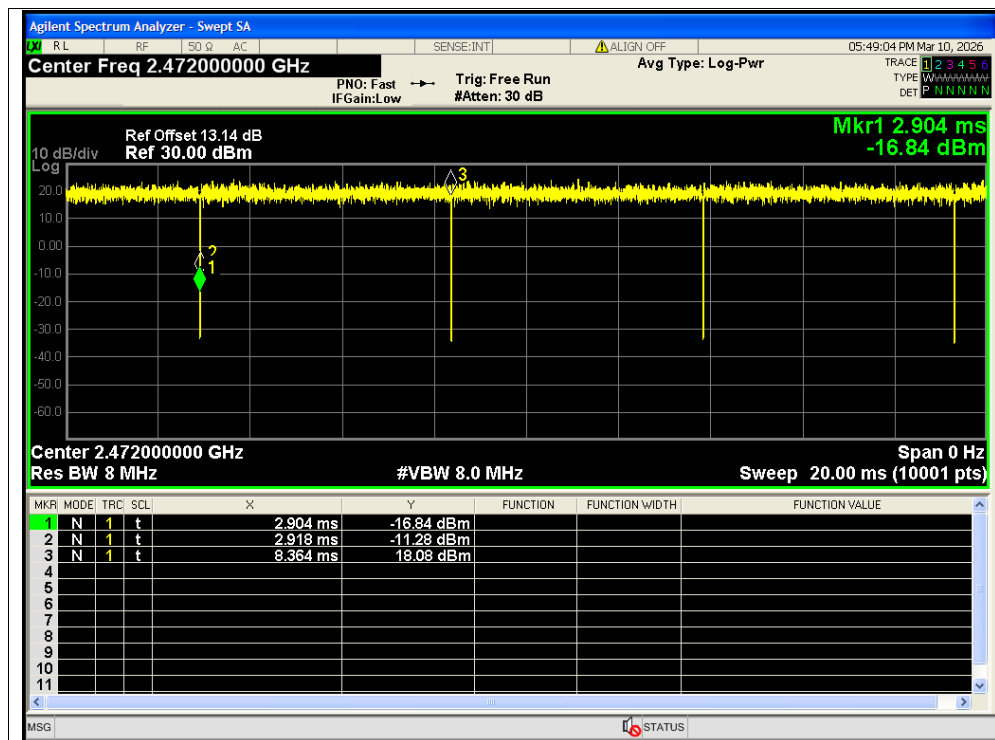
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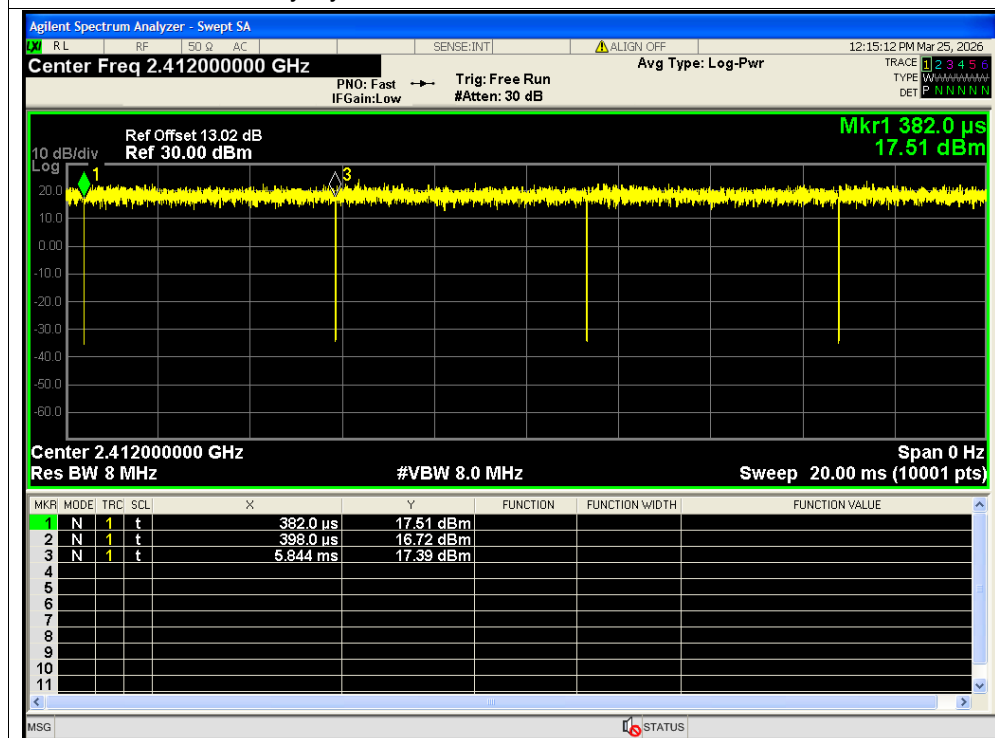
Duty Cycle NVNT ax20 2412MHz Ant1 SISO



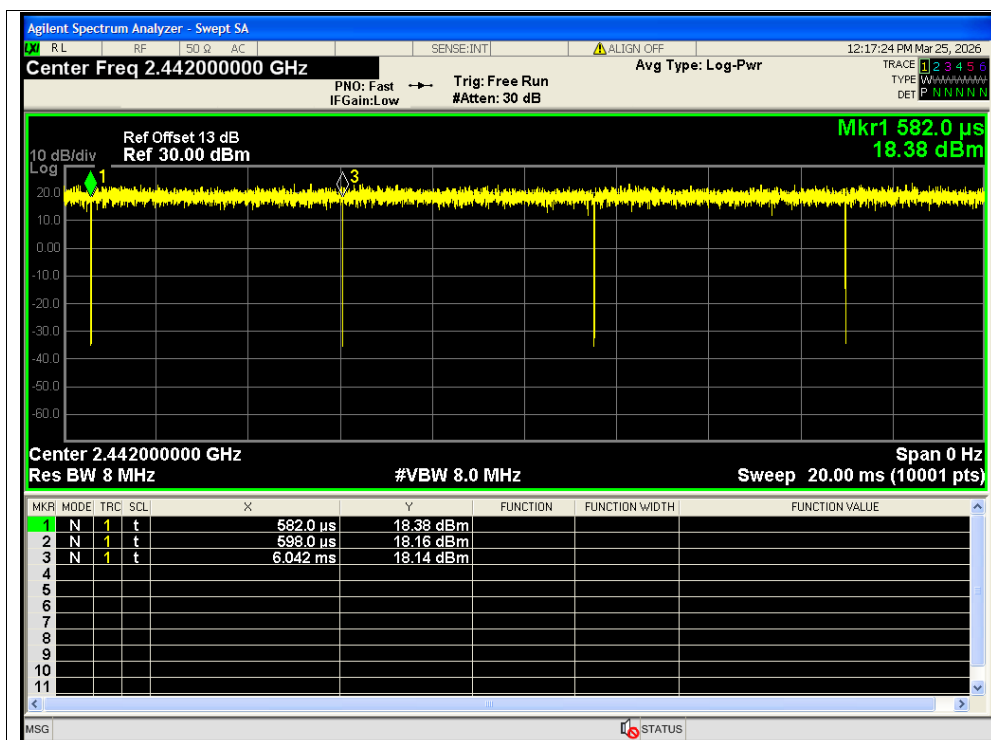
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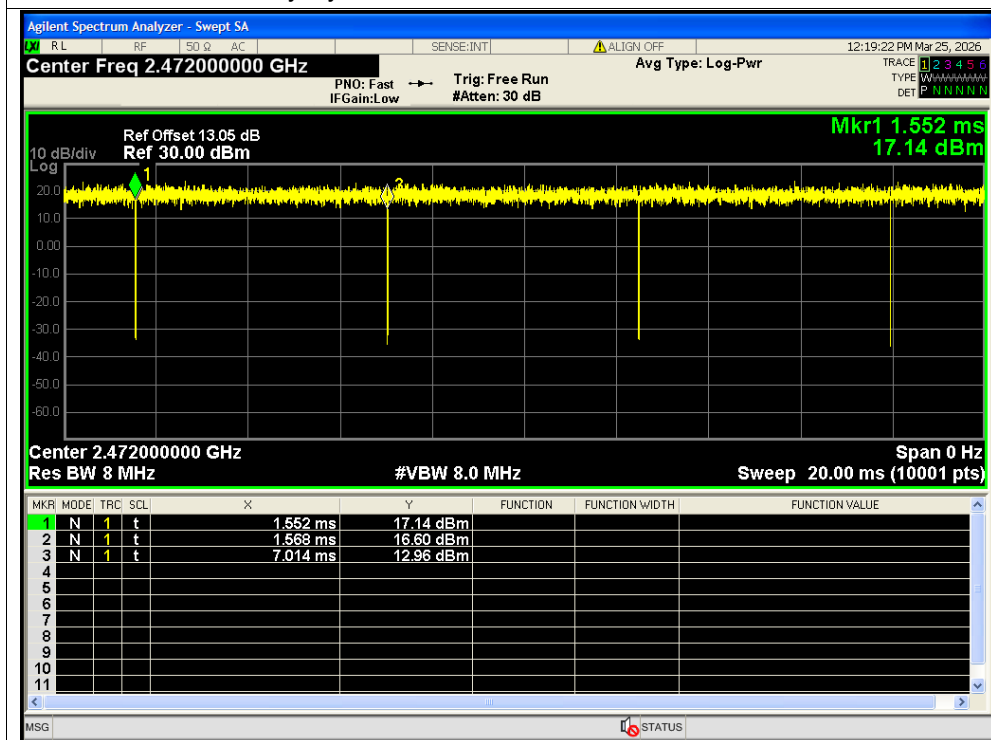
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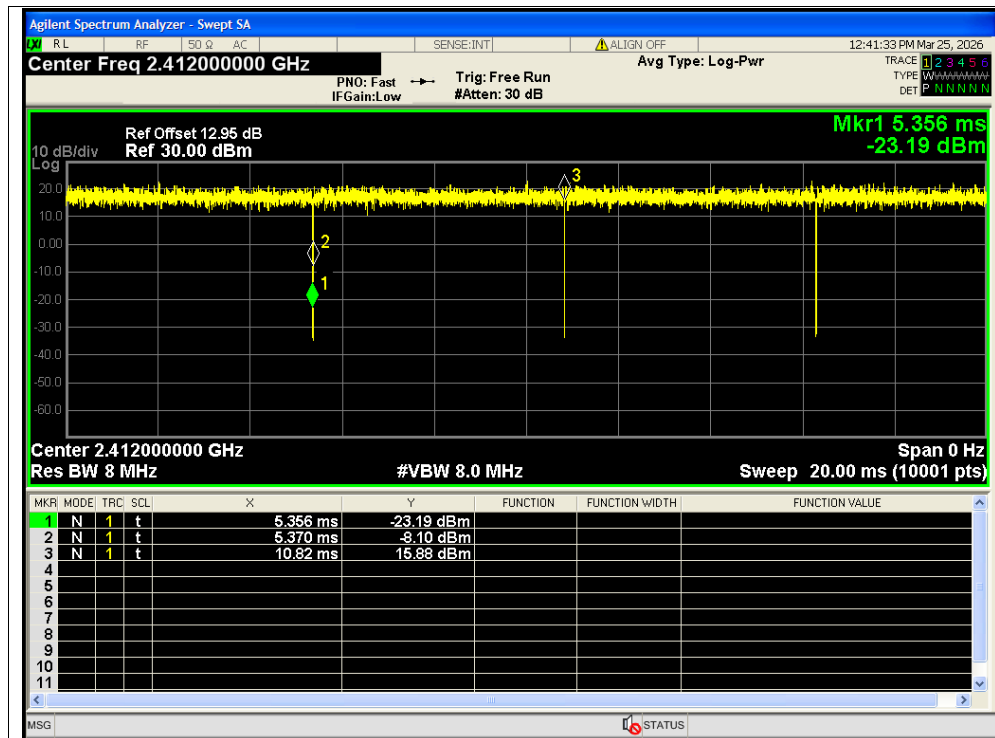
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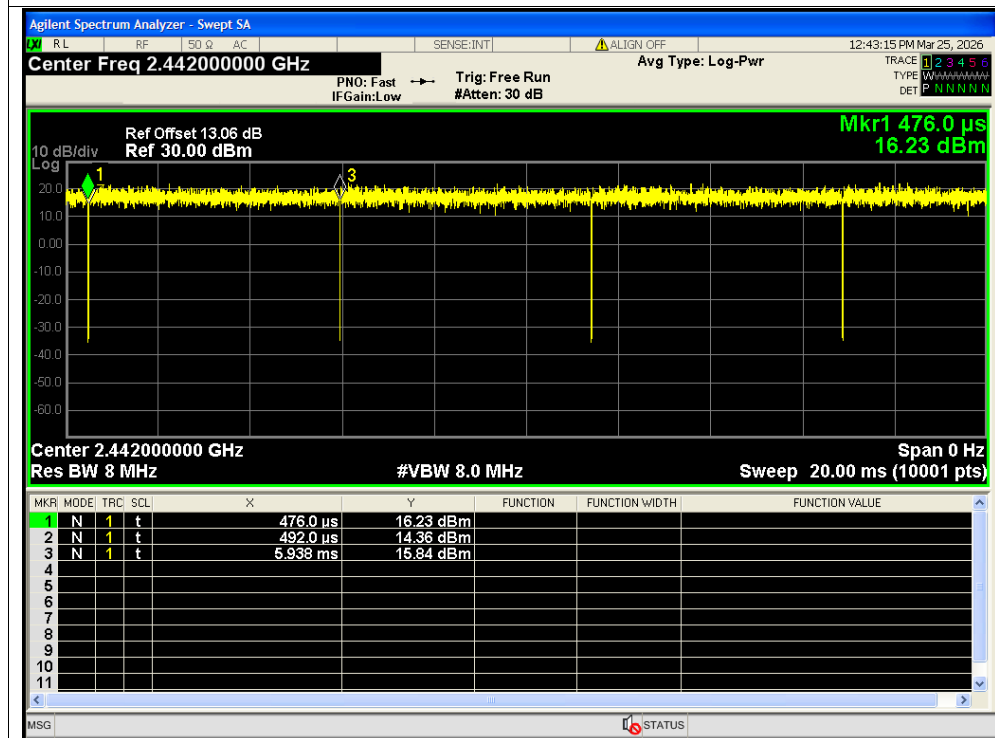
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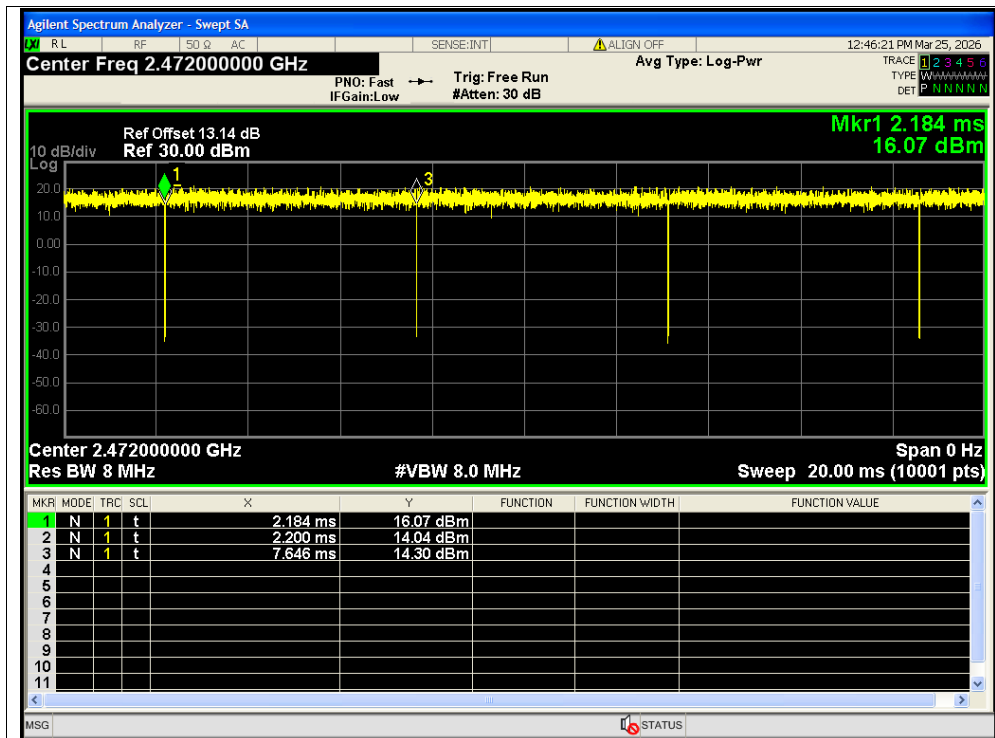
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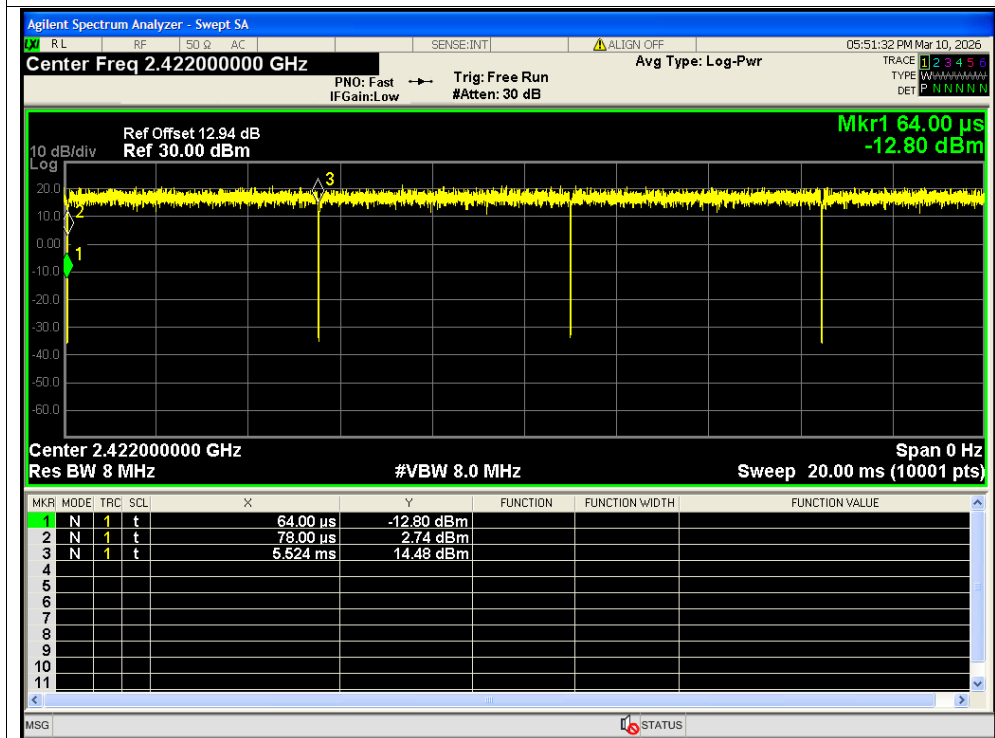
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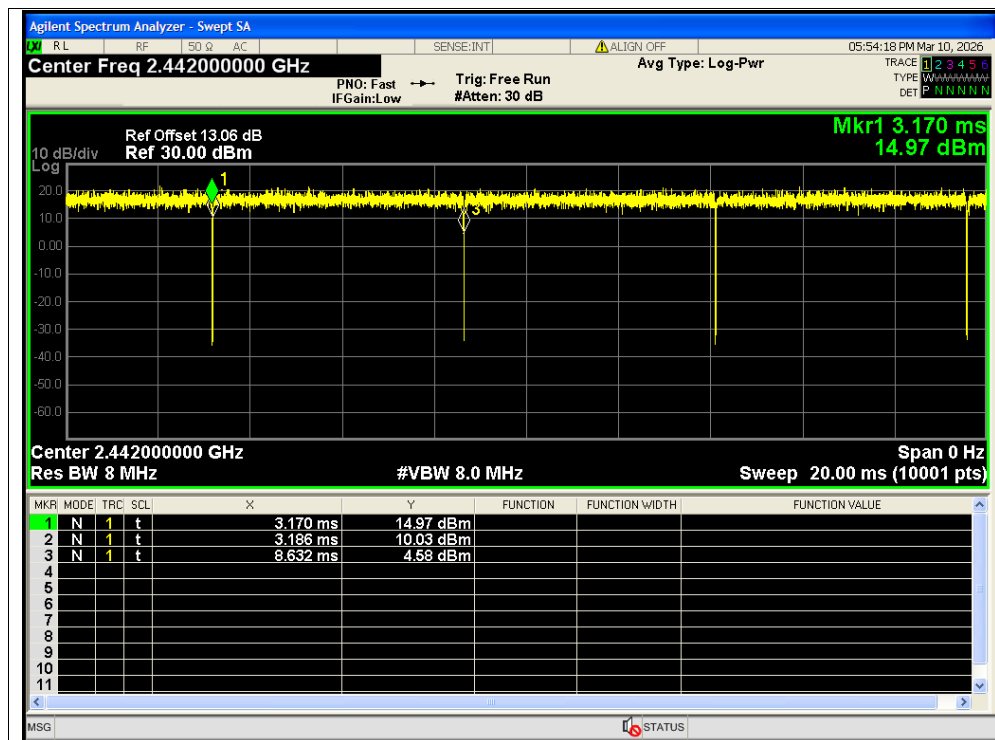
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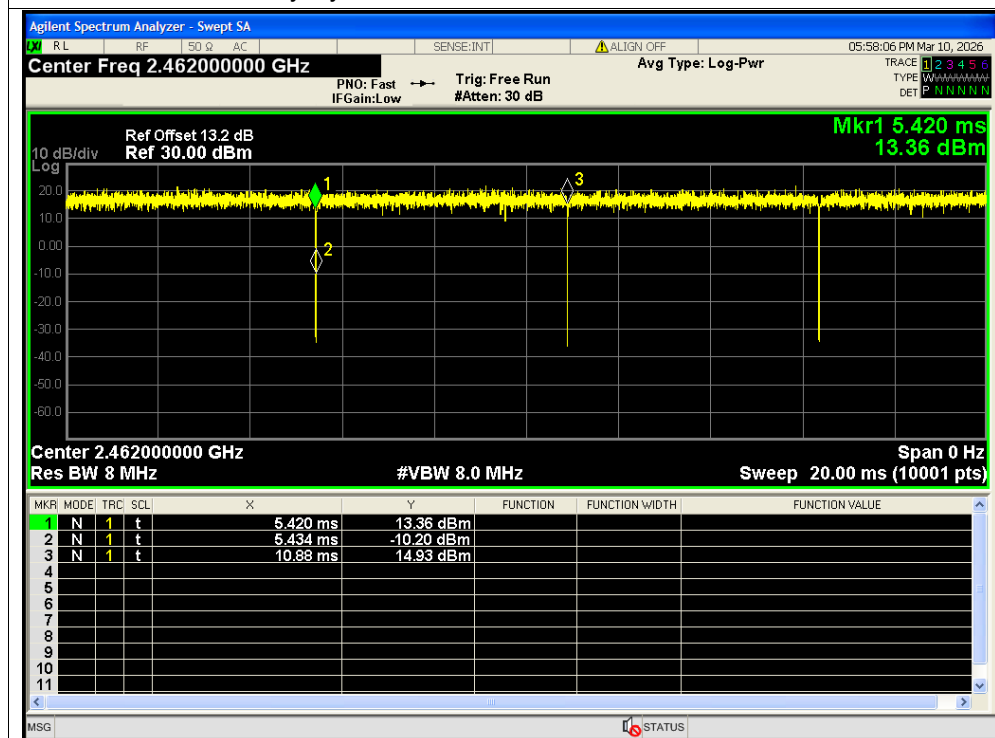
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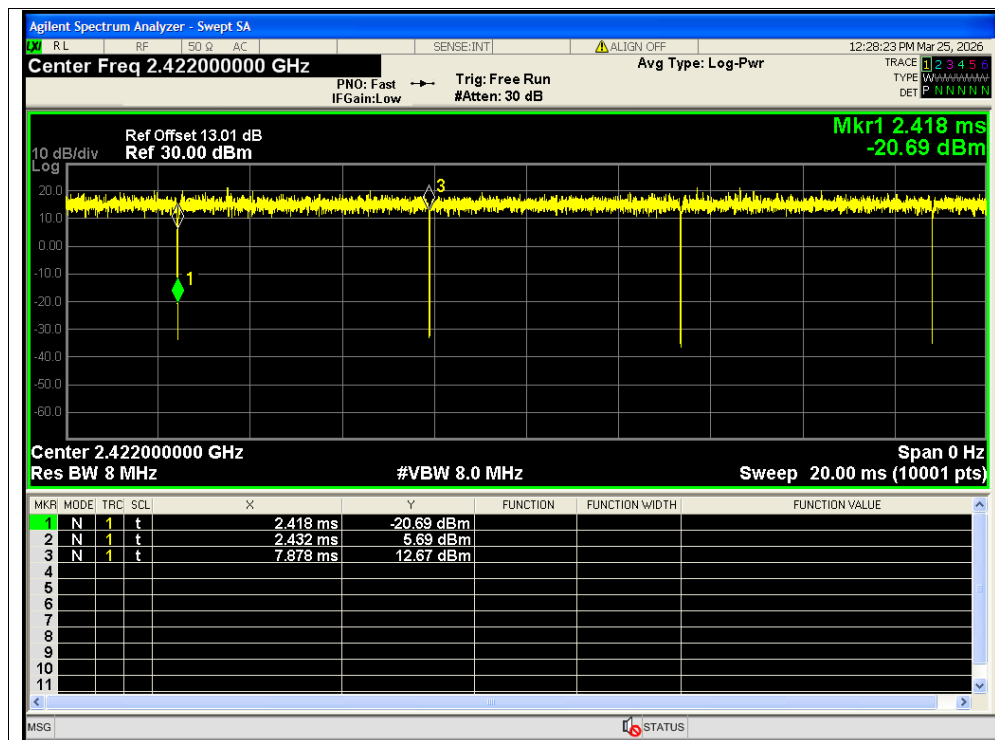
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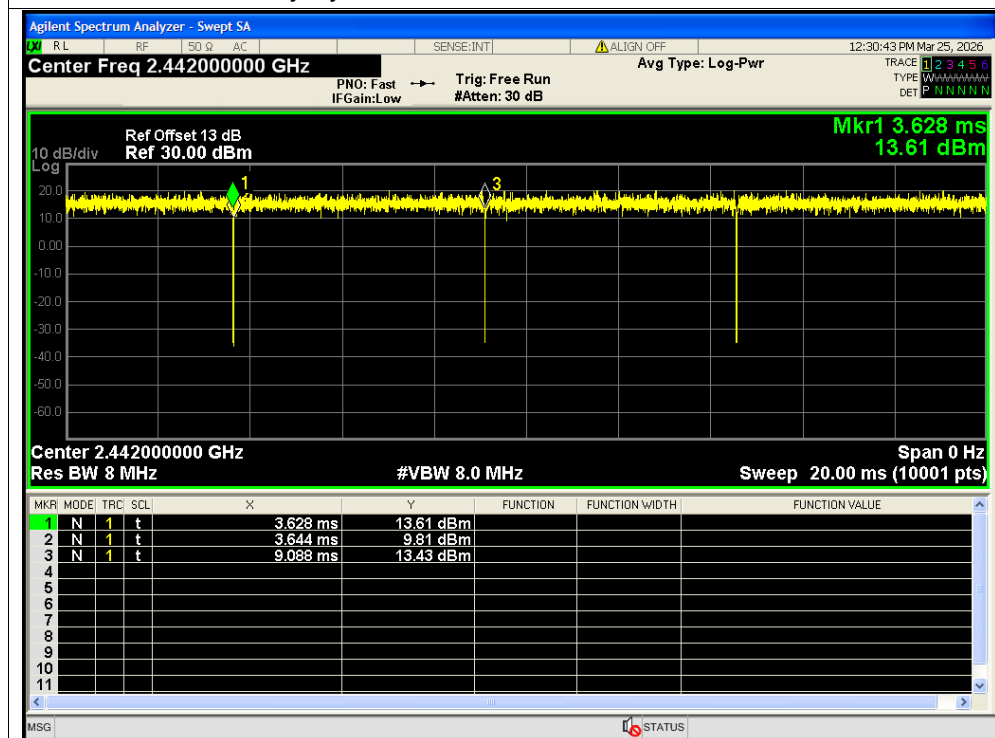
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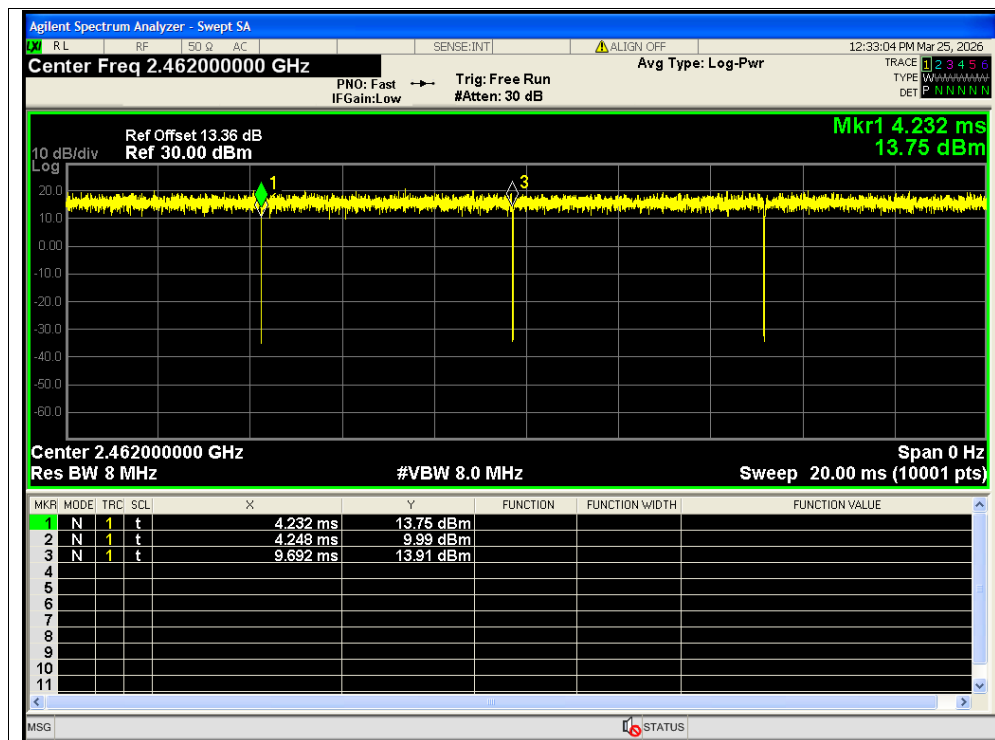
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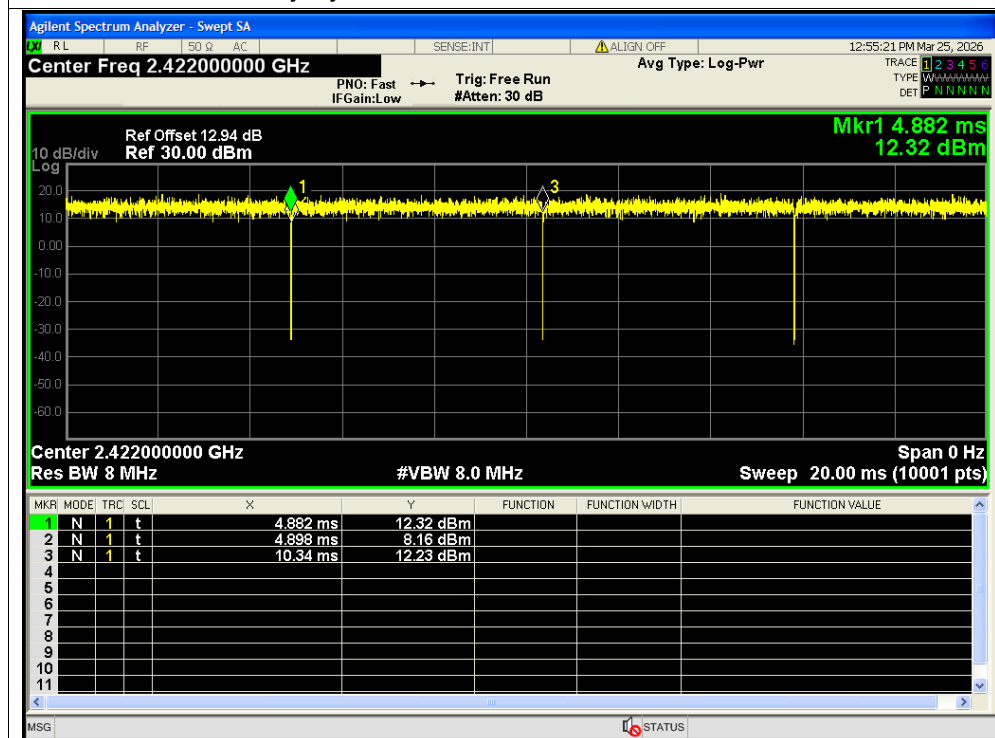
Duty Cycle NVNT ax40 2422MHz Ant2 SISO



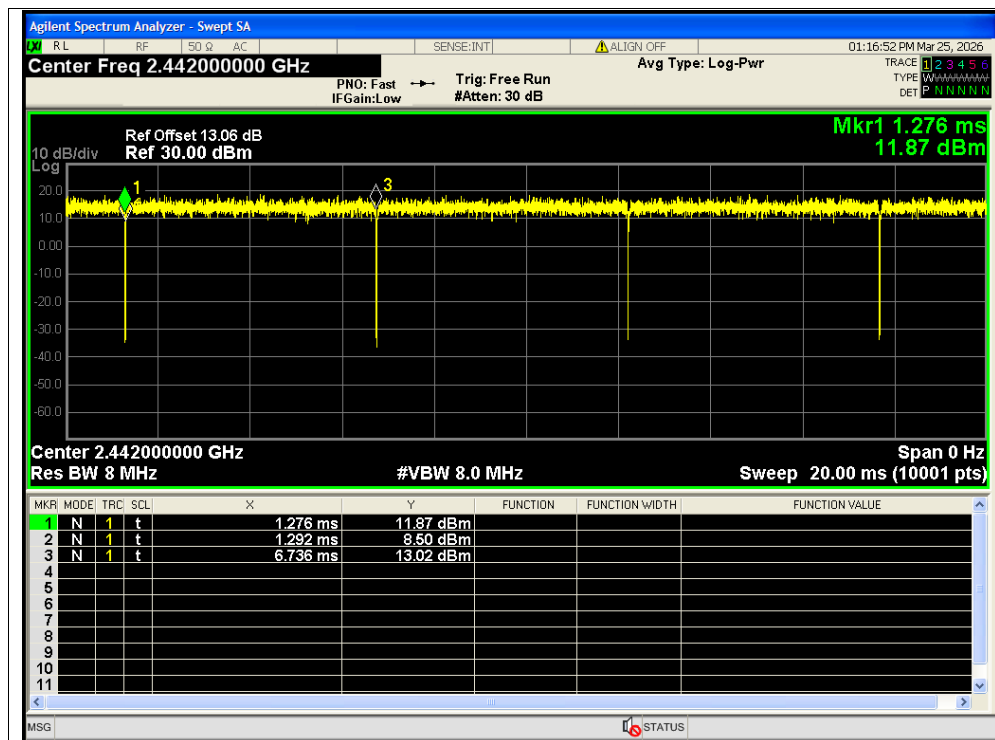
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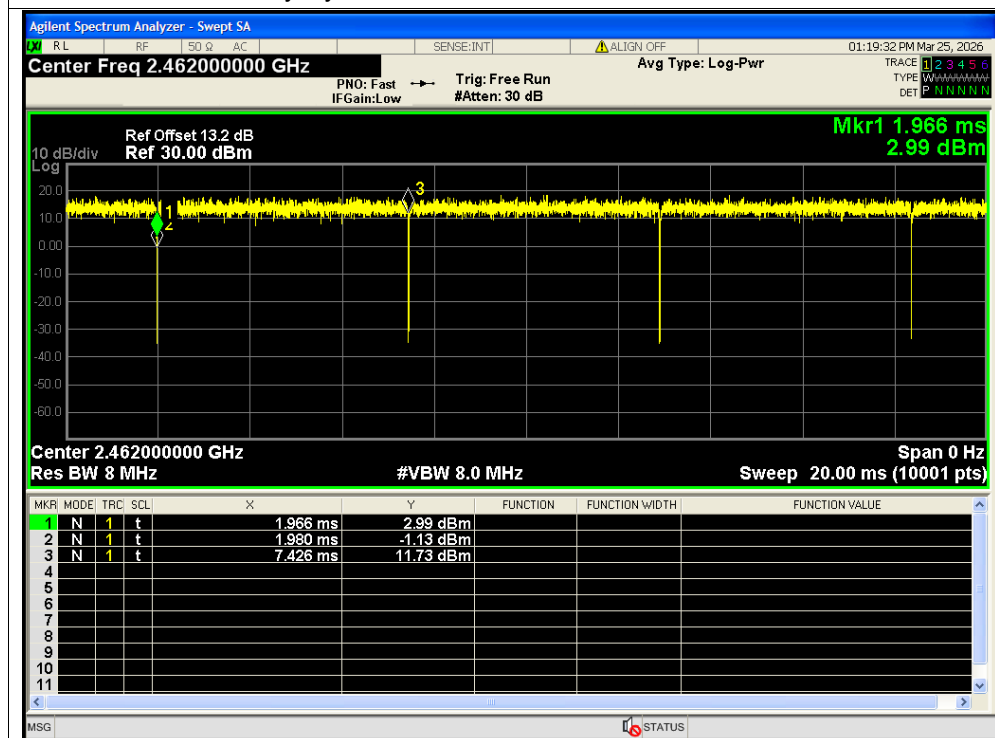
Duty Cycle NVNT ax40 2462MHz Ant2 SISO



Duty Cycle NVNT ax40 2422MHz Sum MIMO



Duty Cycle NVNT ax40 2442MHz Sum MIMO



Duty Cycle NVNT ax40 2462MHz Sum MIMO

**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 Conducted (dBm)	Verdict
NVNT	b SISO	2412	Ant1	19.41	0	19.41	0.0873	30	Pass
NVNT	b SISO	2442	Ant1	19.3	0	19.3	0.08511	30	Pass
NVNT	b SISO	2472	Ant1	18.39	0	18.39	0.06902	30	Pass
NVNT	b SISO	2412	Ant2	17.58	0	17.58	0.05728	30	Pass
NVNT	b SISO	2442	Ant2	18.19	0	18.19	0.06592	30	Pass
NVNT	b SISO	2472	Ant2	17.67	0	17.67	0.05848	30	Pass
NVNT	g SISO	2412	Ant1	24.52	0	24.52	0.28314	30	Pass
NVNT	g SISO	2442	Ant1	24.58	0	24.58	0.28708	30	Pass
NVNT	g SISO	2472	Ant1	23.84	0	23.84	0.2421	30	Pass
NVNT	g SISO	2412	Ant2	22.97	0	22.97	0.19815	30	Pass
NVNT	g SISO	2442	Ant2	23.09	0	23.09	0.2037	30	Pass
NVNT	g SISO	2472	Ant2	23.05	0	23.05	0.20184	30	Pass
NVNT	n20 SISO	2412	Ant1	24.43	0	24.43	0.27733	30	Pass
NVNT	n20 SISO	2442	Ant1	24.56	0	24.56	0.28576	30	Pass
NVNT	n20 SISO	2472	Ant1	23.58	0	23.58	0.22803	30	Pass
NVNT	n20 SISO	2412	Ant2	22.77	0	22.77	0.18923	30	Pass
NVNT	n20	2442	Ant2	22.96	0	22.96	0.1977	30	Pass



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	SISO								
NVNT	n20 SISO	2472	Ant2	22.94	0	22.94	0.19679	30	Pass
NVNT	n20 MIMO	2412	Ant1	21.56	0	21.56	0.14322	30	Pass
NVNT	n20 MIMO	2412	Ant2	20.34	0	20.34	0.10814	30	Pass
NVNT	n20 MIMO	2412	Sum	NaN	NaN	24	0.25136	30	Pass
NVNT	n20 MIMO	2442	Ant1	21	0	21	0.12589	30	Pass
NVNT	n20 MIMO	2442	Ant2	19.95	0	19.95	0.09886	30	Pass
NVNT	n20 MIMO	2442	Sum	NaN	NaN	23.52	0.22475	30	Pass
NVNT	n20 MIMO	2472	Ant1	20.63	0	20.63	0.11561	30	Pass
NVNT	n20 MIMO	2472	Ant2	20.27	0	20.27	0.10641	30	Pass
NVNT	n20 MIMO	2472	Sum	NaN	NaN	23.46	0.22203	30	Pass
NVNT	n40 SISO	2422	Ant1	23.78	0	23.78	0.23878	30	Pass
NVNT	n40 SISO	2442	Ant1	24.24	0	24.24	0.26546	30	Pass
NVNT	n40 SISO	2462	Ant1	23.72	0	23.72	0.2355	30	Pass
NVNT	n40 SISO	2422	Ant2	22.54	0	22.54	0.17947	30	Pass
NVNT	n40 SISO	2442	Ant2	22.65	0	22.65	0.18408	30	Pass
NVNT	n40 SISO	2462	Ant2	22.87	0	22.87	0.19364	30	Pass
NVNT	n40 MIMO	2422	Ant1	21.51	0	21.51	0.14158	30	Pass
NVNT	n40 MIMO	2422	Ant2	19.95	0	19.95	0.09886	30	Pass
NVNT	n40 MIMO	2422	Sum	NaN	NaN	23.81	0.24043	30	Pass



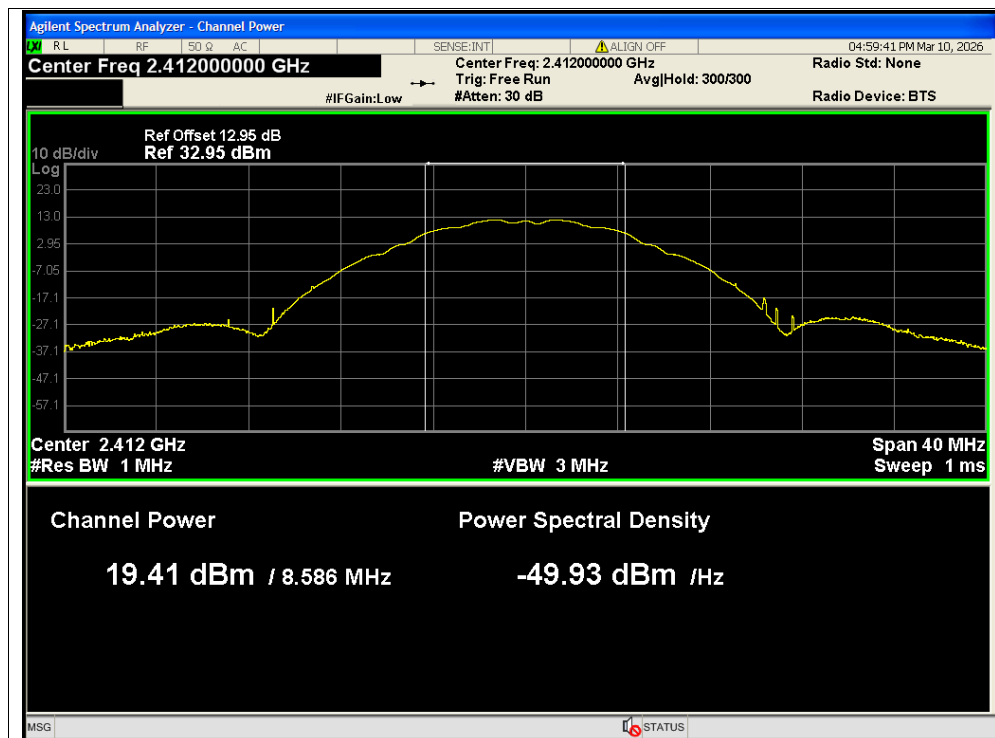
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NVNT	n40 MIMO	2442	Ant1	21.06	0	21.06	0.12764	30	Pass
NVNT	n40 MIMO	2442	Ant2	19.97	0	19.97	0.09931	30	Pass
NVNT	n40 MIMO	2442	Sum	NaN	NaN	23.56	0.22696	30	Pass
NVNT	n40 MIMO	2462	Ant1	20.99	0	20.99	0.1256	30	Pass
NVNT	n40 MIMO	2462	Ant2	20.51	0	20.51	0.11246	30	Pass
NVNT	n40 MIMO	2462	Sum	NaN	NaN	23.77	0.23806	30	Pass
NVNT	ax20 SISO	2412	Ant1	26.06	0	26.06	0.40365	30	Pass
NVNT	ax20 SISO	2442	Ant1	25.65	0	25.65	0.36728	30	Pass
NVNT	ax20 SISO	2472	Ant1	25.23	0	25.23	0.33343	30	Pass
NVNT	ax20 SISO	2412	Ant2	24.15	0	24.15	0.26002	30	Pass
NVNT	ax20 SISO	2442	Ant2	24.65	0	24.65	0.29174	30	Pass
NVNT	ax20 SISO	2472	Ant2	24.45	0	24.45	0.27861	30	Pass
NVNT	ax20 MIMO	2412	Ant1	23.13	0	23.13	0.20559	30	Pass
NVNT	ax20 MIMO	2412	Ant2	21.69	0	21.69	0.14757	30	Pass
NVNT	ax20 MIMO	2412	Sum	NaN	NaN	25.48	0.35316	30	Pass
NVNT	ax20 MIMO	2442	Ant1	22.98	0	22.98	0.19861	30	Pass
NVNT	ax20 MIMO	2442	Ant2	22.03	0	22.03	0.15959	30	Pass
NVNT	ax20 MIMO	2442	Sum	NaN	NaN	25.54	0.3582	30	Pass
NVNT	ax20 MIMO	2472	Ant1	22.32	0	22.32	0.17061	30	Pass
NVNT	ax20	2472	Ant2	21.96	0	21.96	0.15704	30	Pass

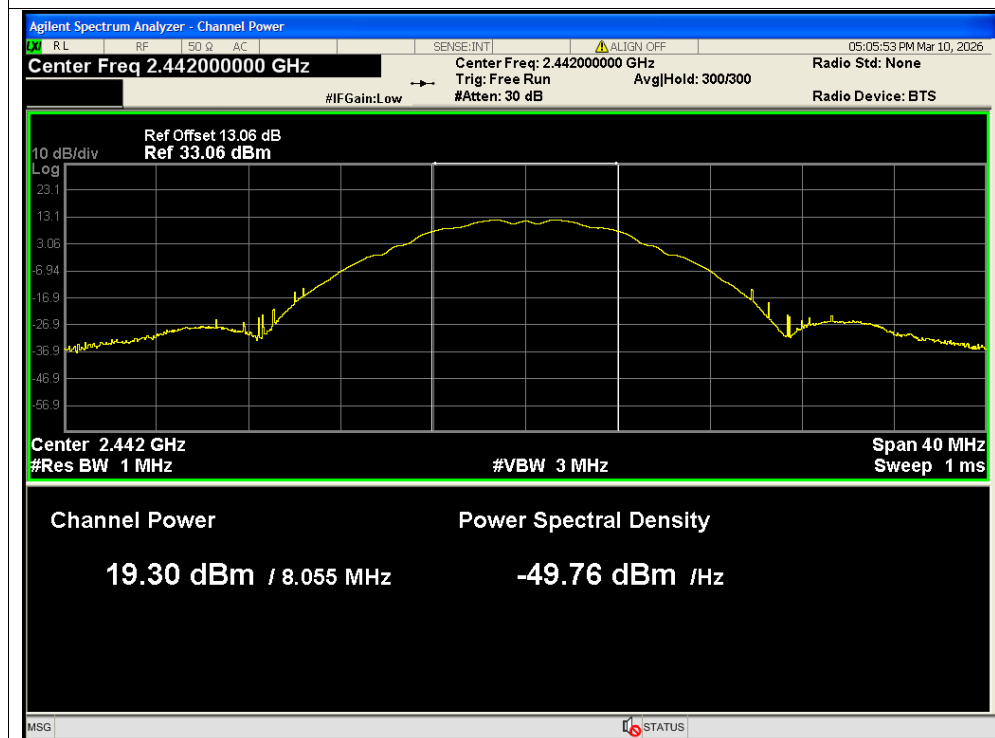


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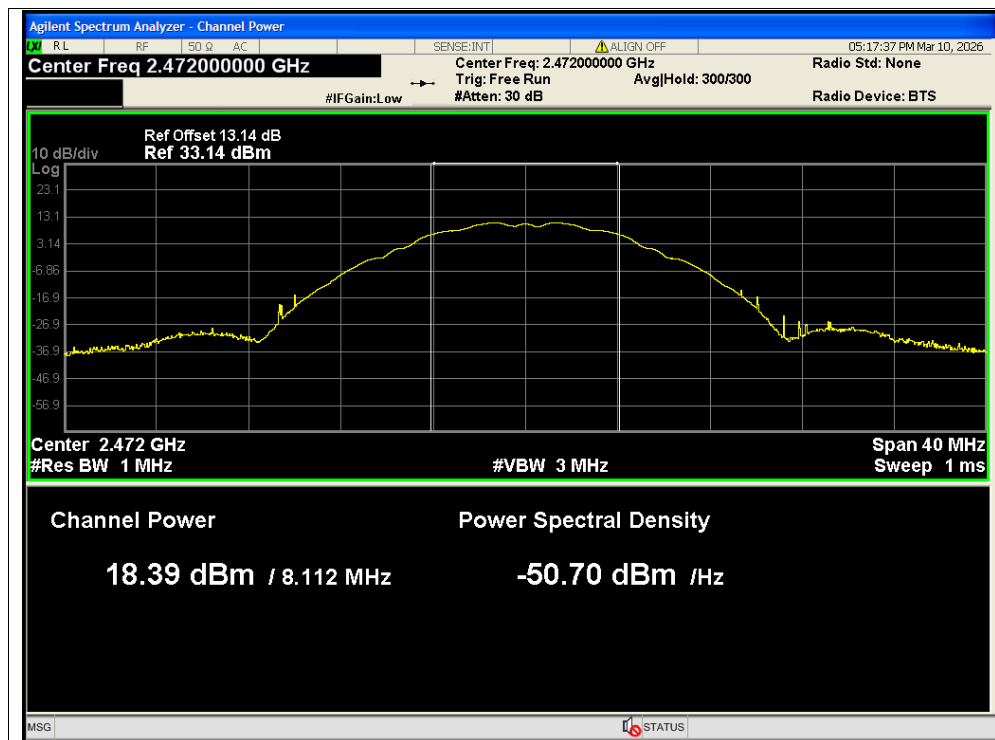
	MIMO								
NVNT	ax20 MIMO	2472	Sum	NaN	NaN	25.15	0.32764	30	Pass
NVNT	ax40 SISO	2422	Ant1	25.06	0	25.06	0.32063	30	Pass
NVNT	ax40 SISO	2442	Ant1	24.7	0	24.7	0.29512	30	Pass
NVNT	ax40 SISO	2462	Ant1	24.84	0	24.84	0.30479	30	Pass
NVNT	ax40 SISO	2422	Ant2	23.2	0	23.2	0.20893	30	Pass
NVNT	ax40 SISO	2442	Ant2	23.53	0	23.53	0.22542	30	Pass
NVNT	ax40 SISO	2462	Ant2	23.96	0	23.96	0.24889	30	Pass
NVNT	ax40 MIMO	2422	Ant1	22.13	0	22.13	0.16331	30	Pass
NVNT	ax40 MIMO	2422	Ant2	20.55	0	20.55	0.1135	30	Pass
NVNT	ax40 MIMO	2422	Sum	NaN	NaN	24.42	0.27681	30	Pass
NVNT	ax40 MIMO	2442	Ant1	21.93	0	21.93	0.15596	30	Pass
NVNT	ax40 MIMO	2442	Ant2	20.54	0	20.54	0.11324	30	Pass
NVNT	ax40 MIMO	2442	Sum	NaN	NaN	24.3	0.2692	30	Pass
NVNT	ax40 MIMO	2462	Ant1	21.77	0	21.77	0.15031	30	Pass
NVNT	ax40 MIMO	2462	Ant2	21.02	0	21.02	0.12647	30	Pass
NVNT	ax40 MIMO	2462	Sum	NaN	NaN	24.42	0.27679	30	Pass



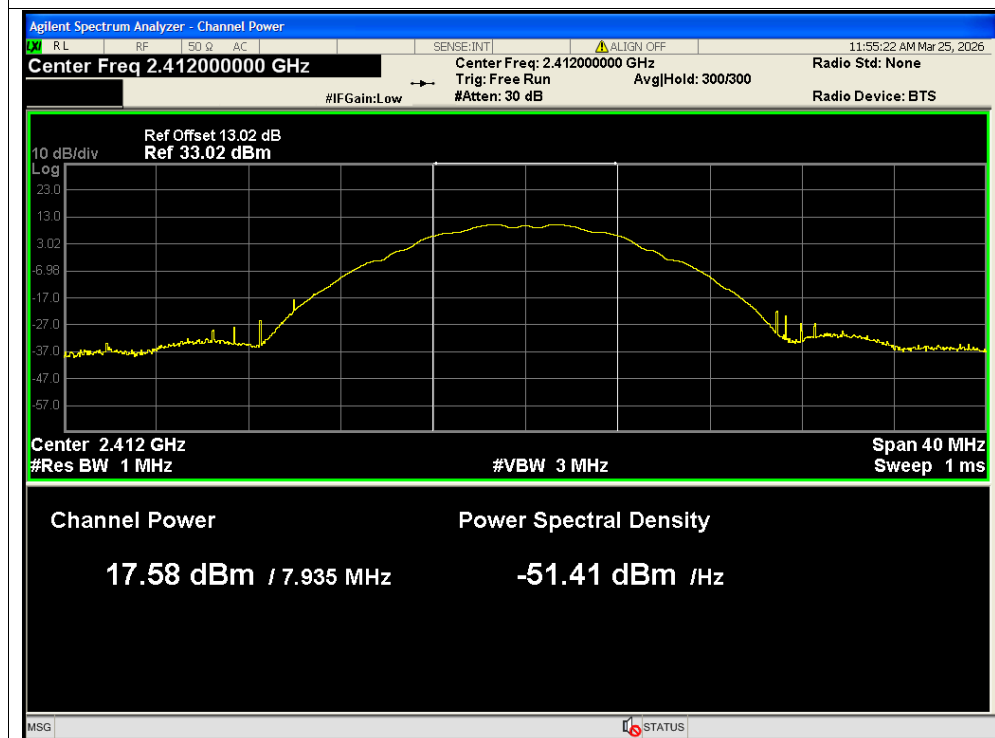
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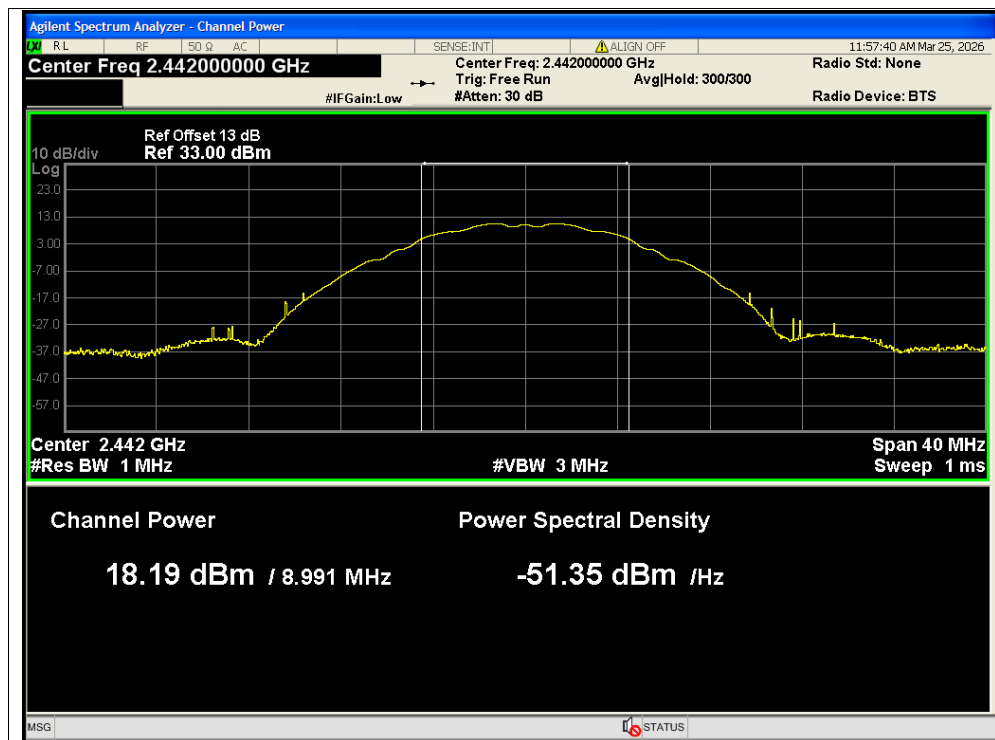
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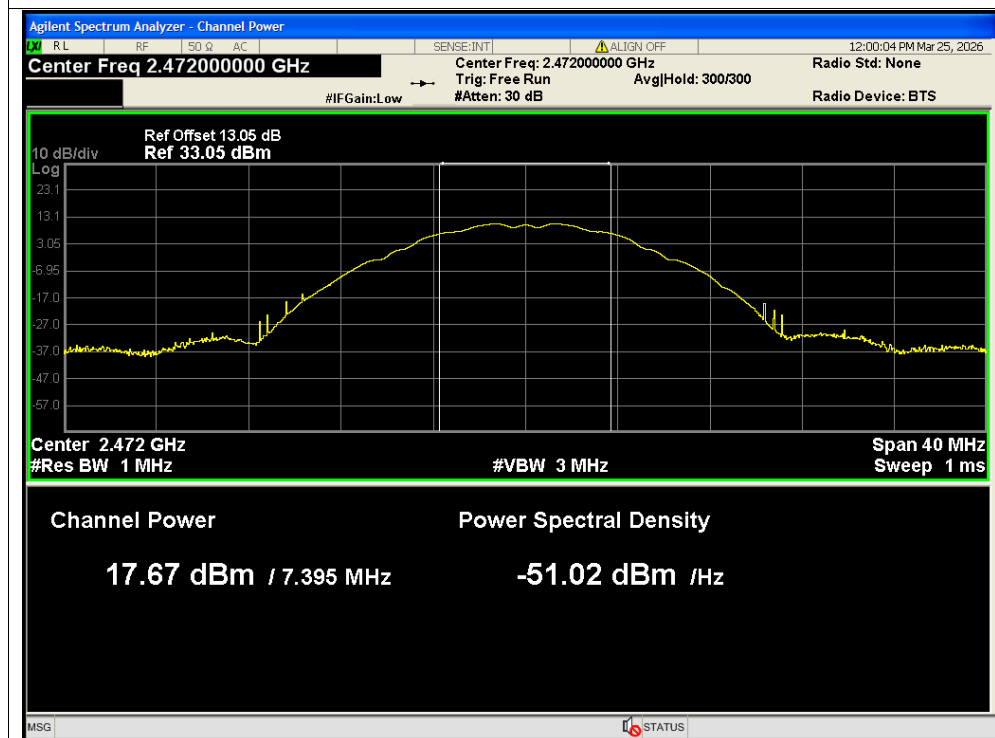
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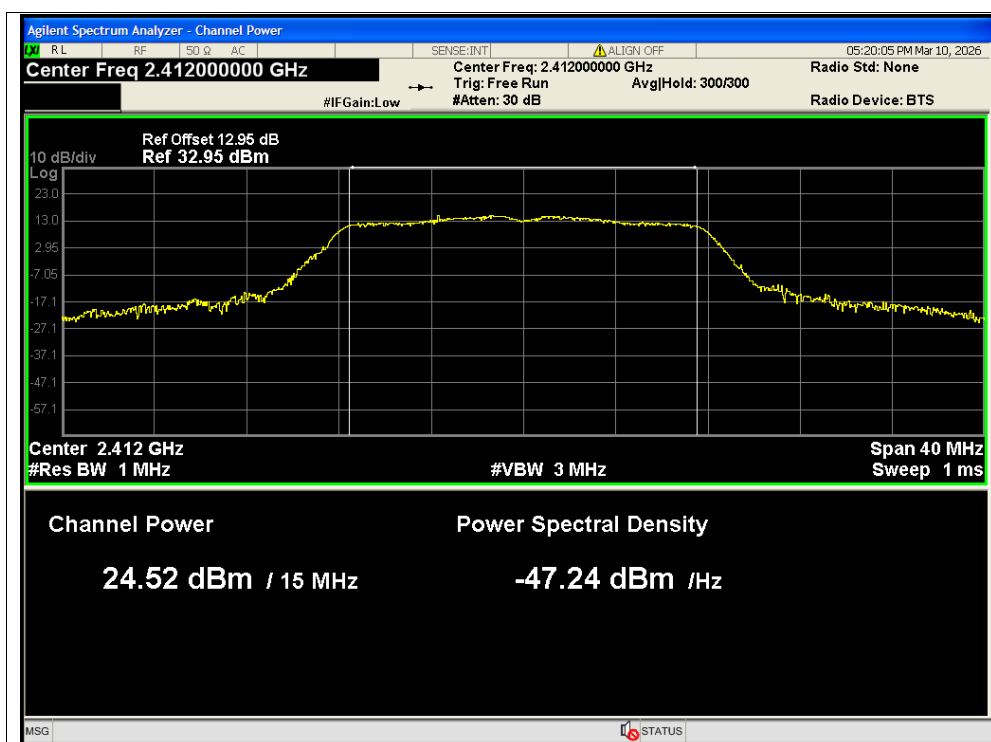
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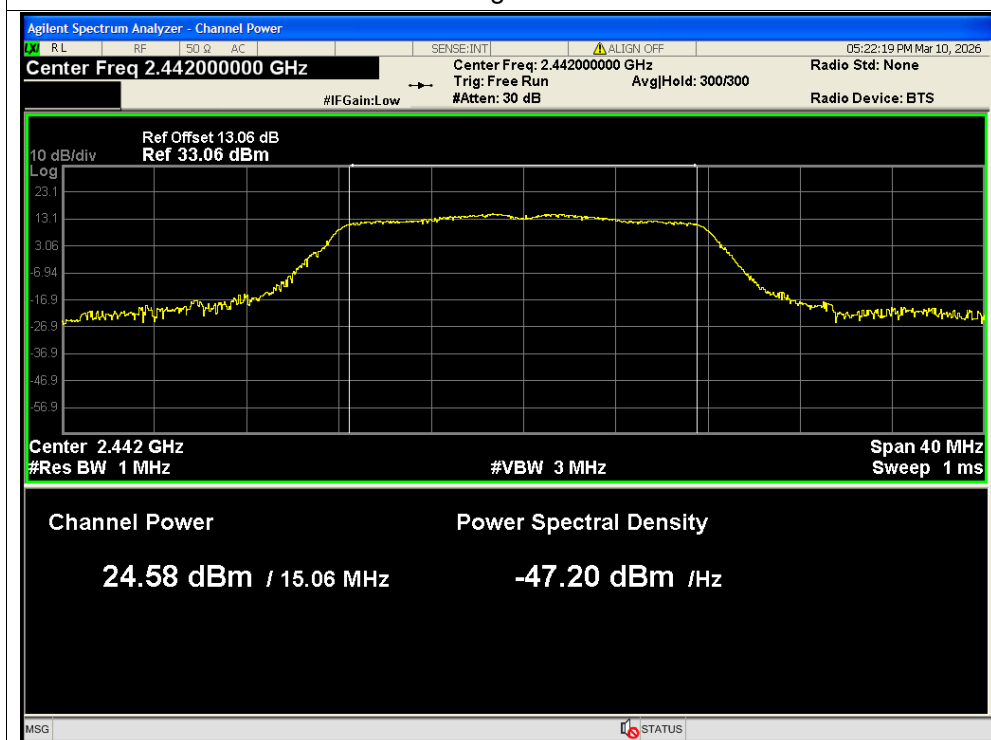
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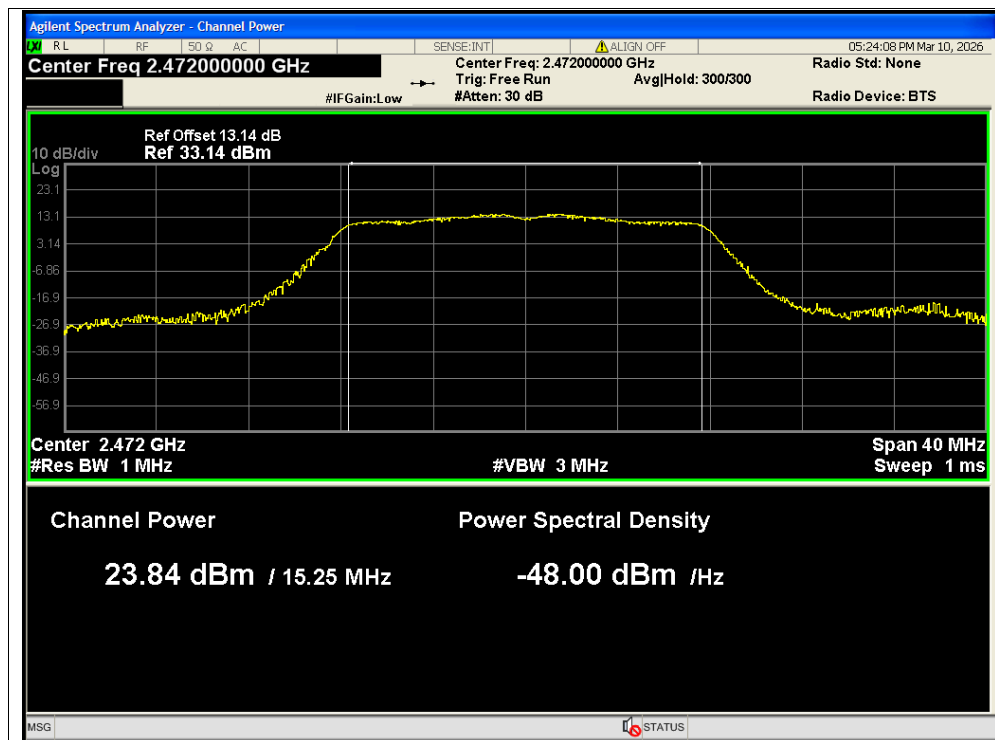
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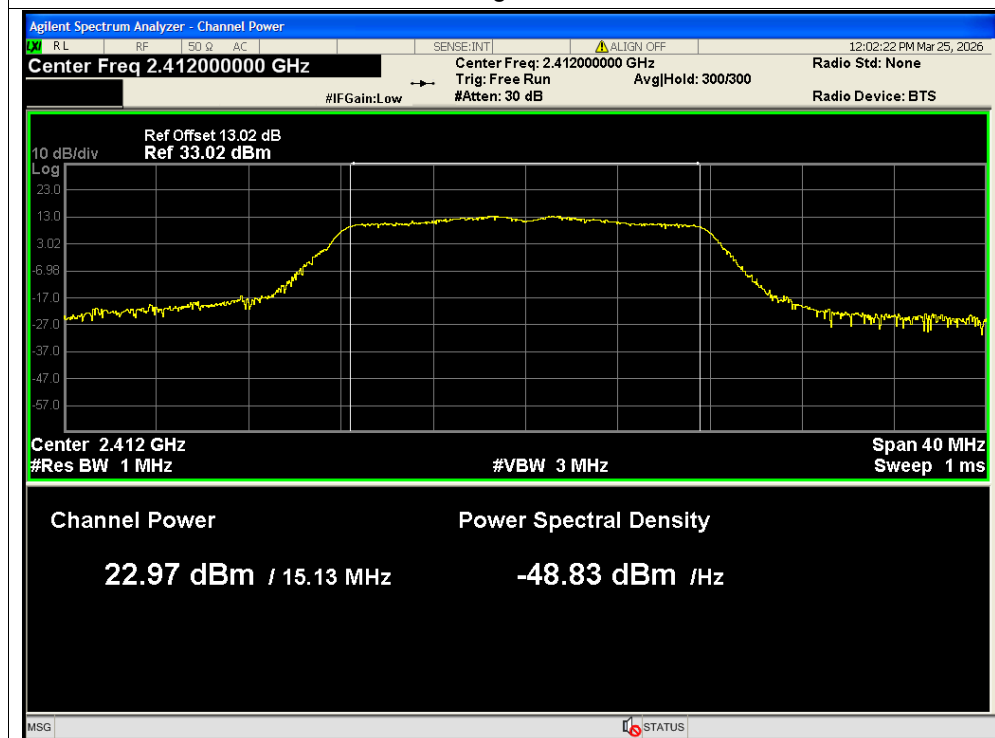
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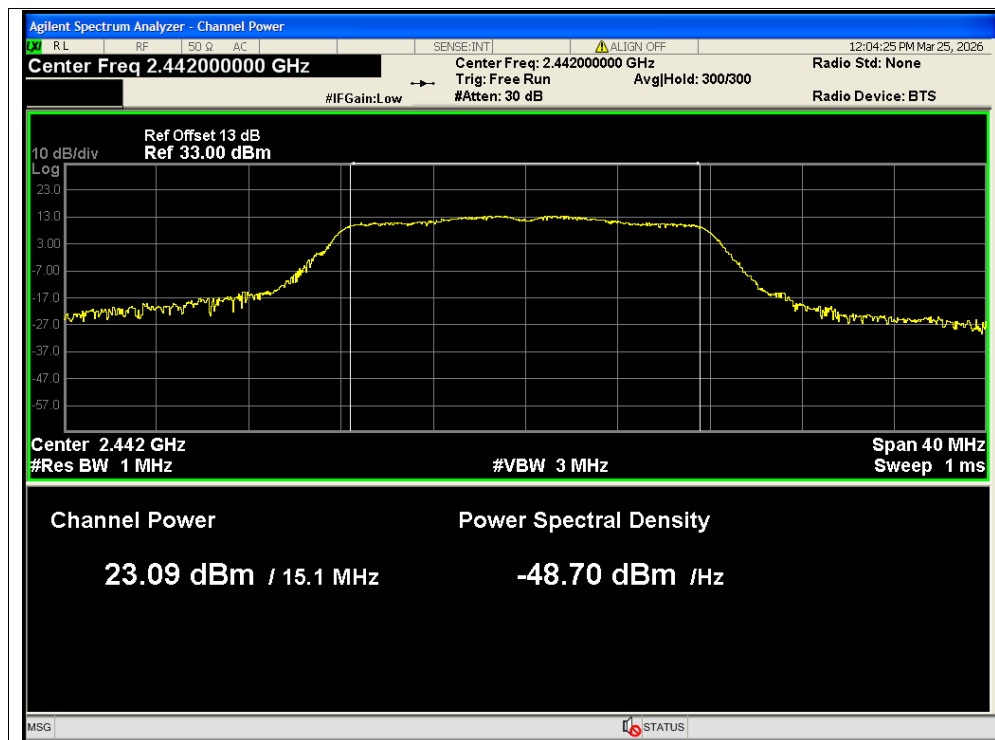
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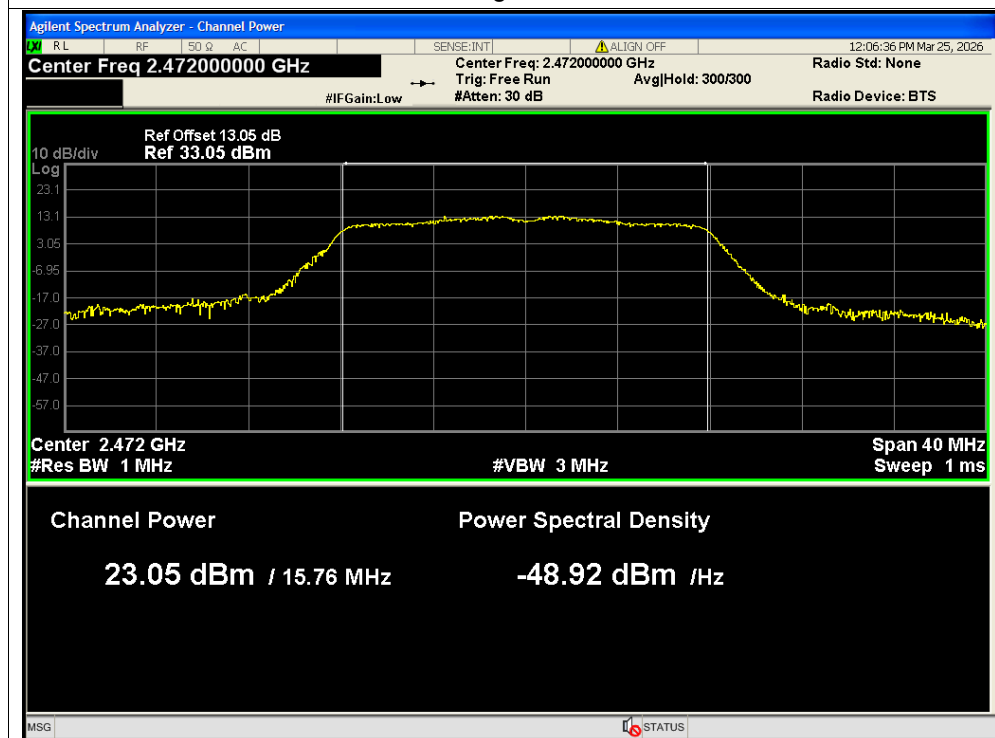
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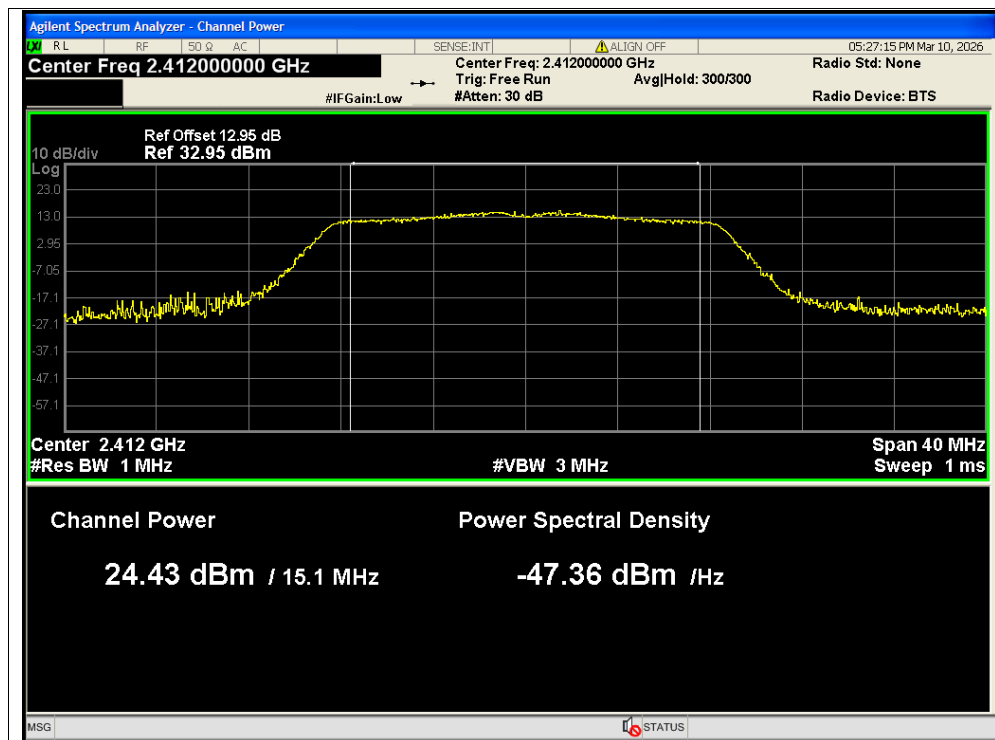
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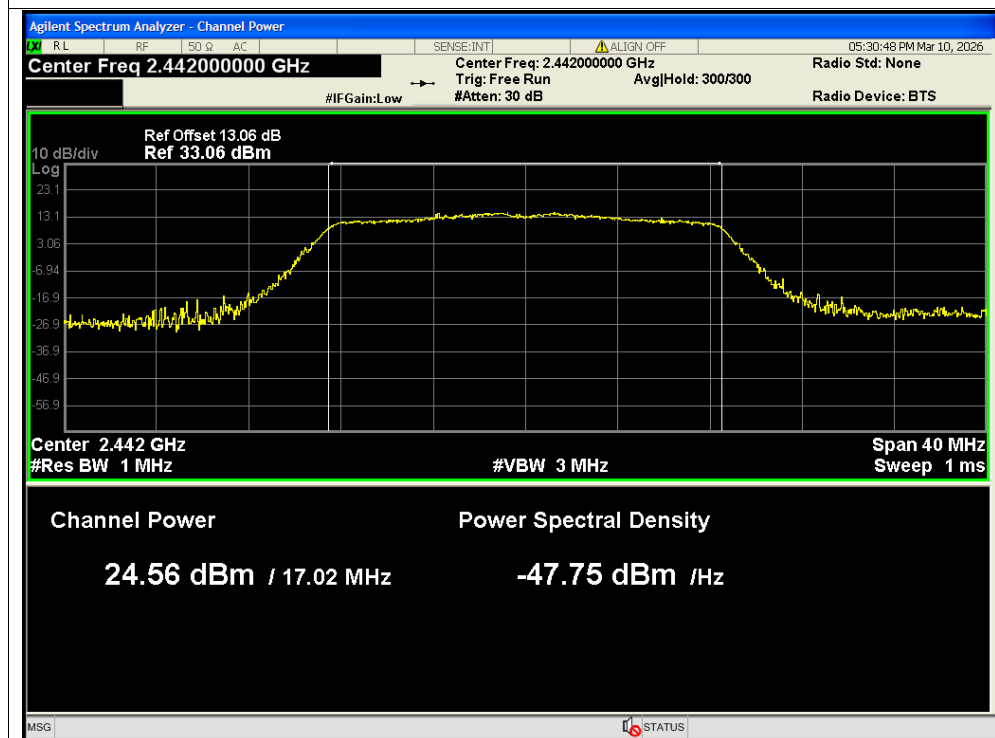
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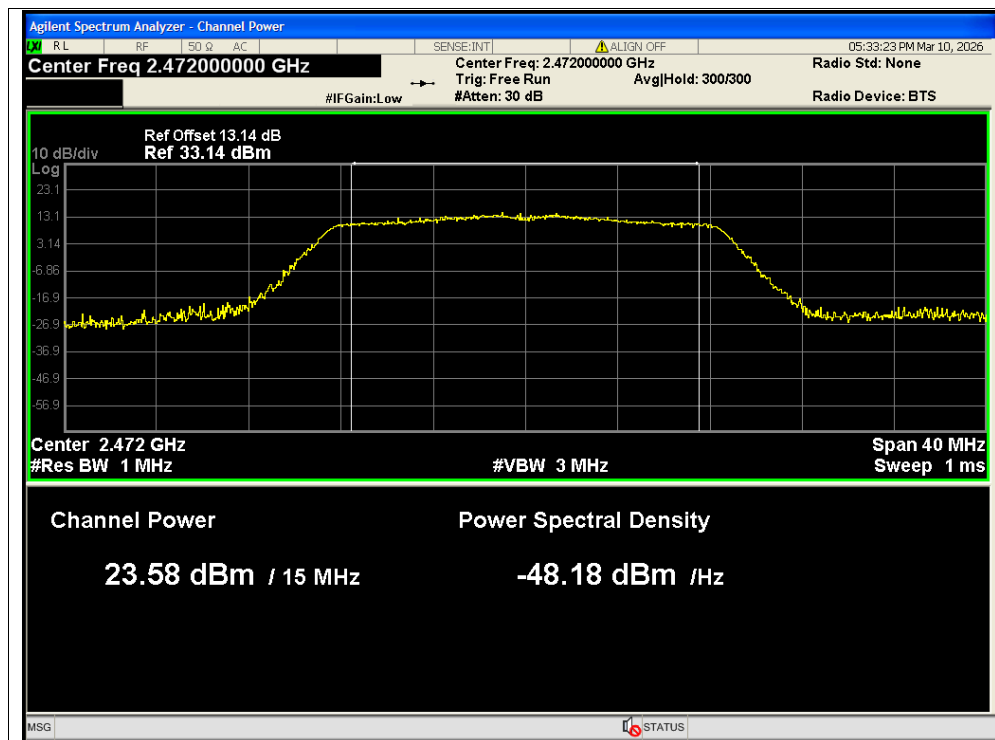
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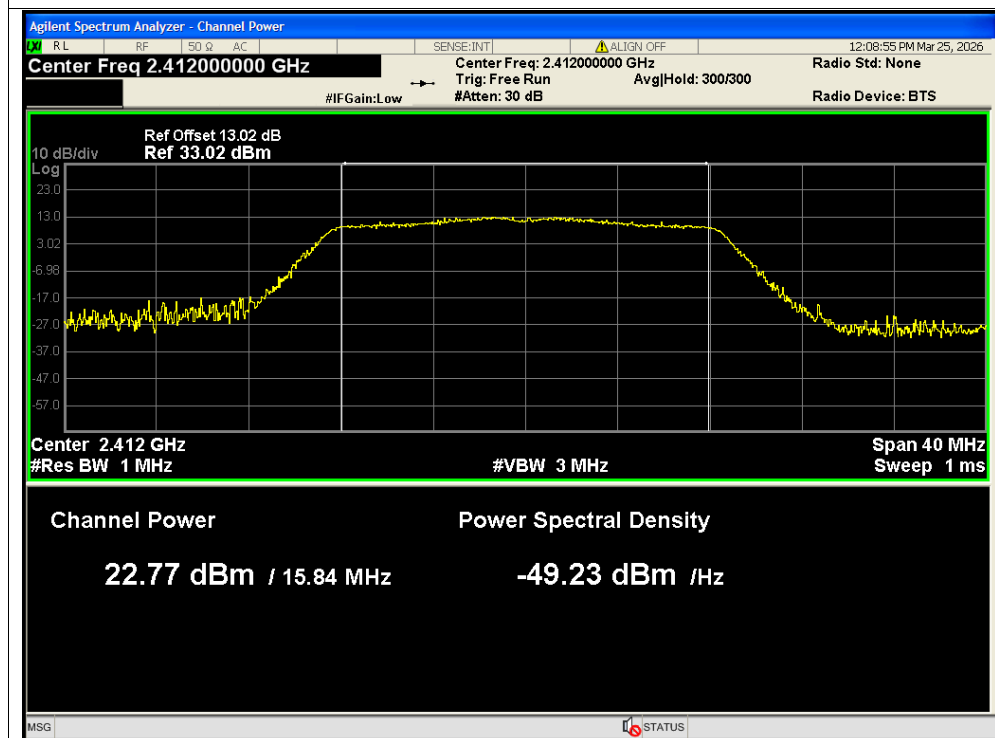
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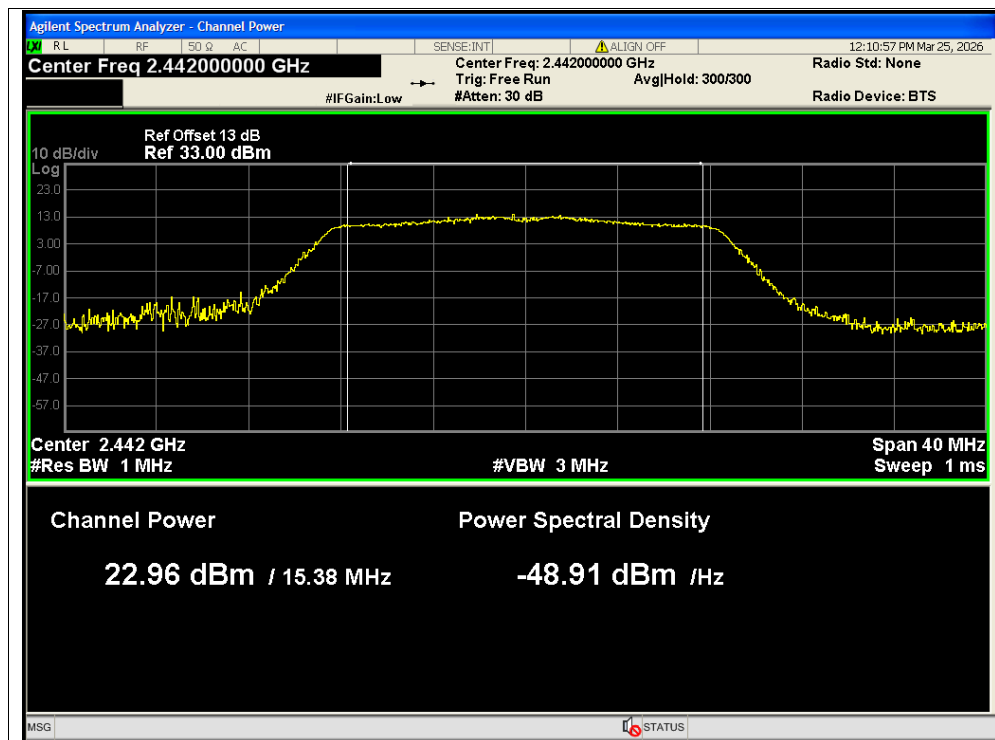
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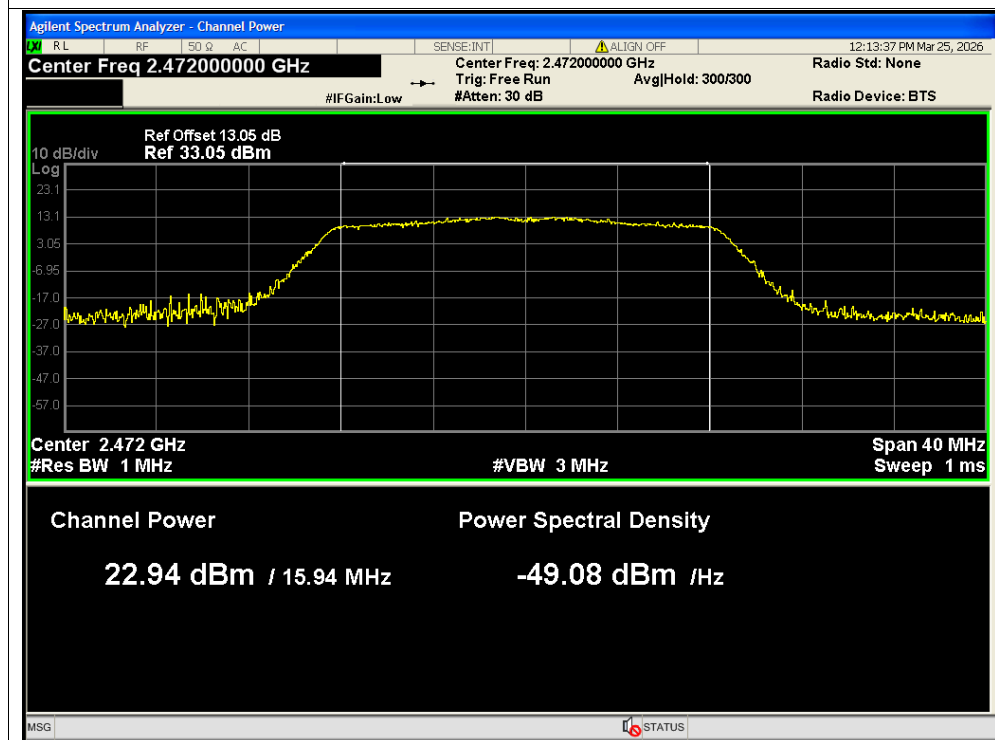
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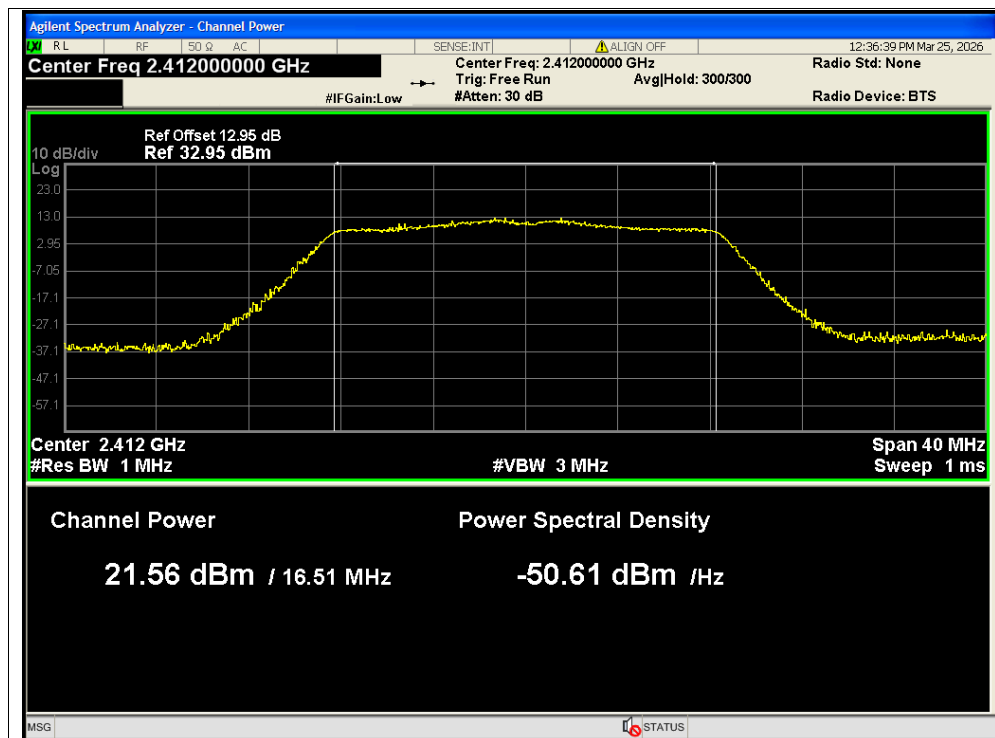
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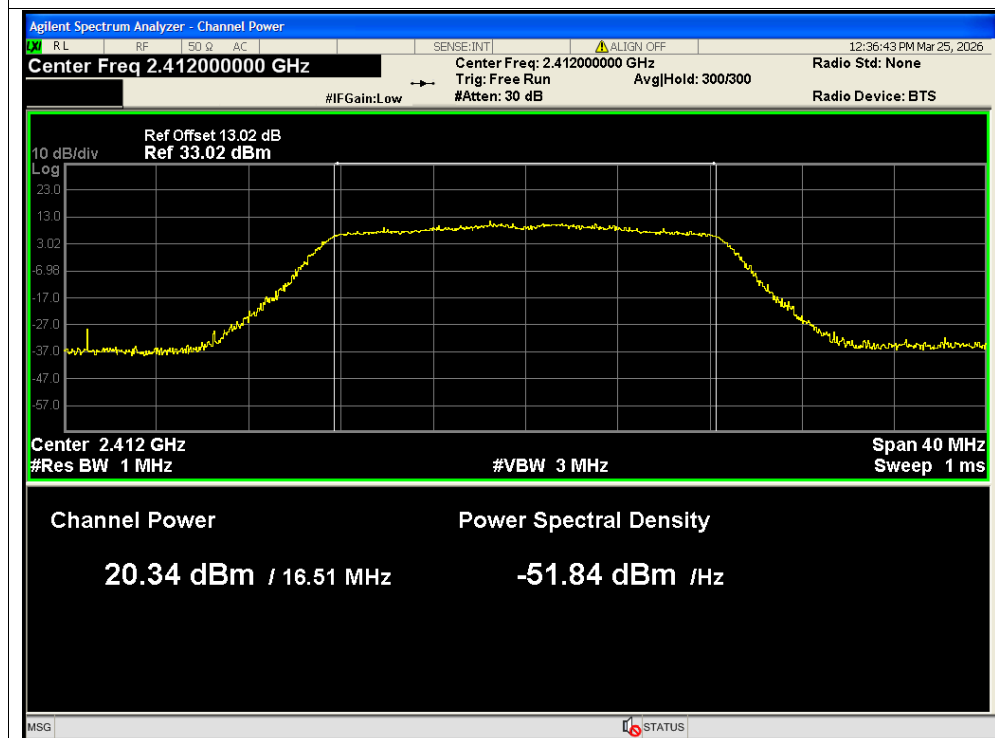
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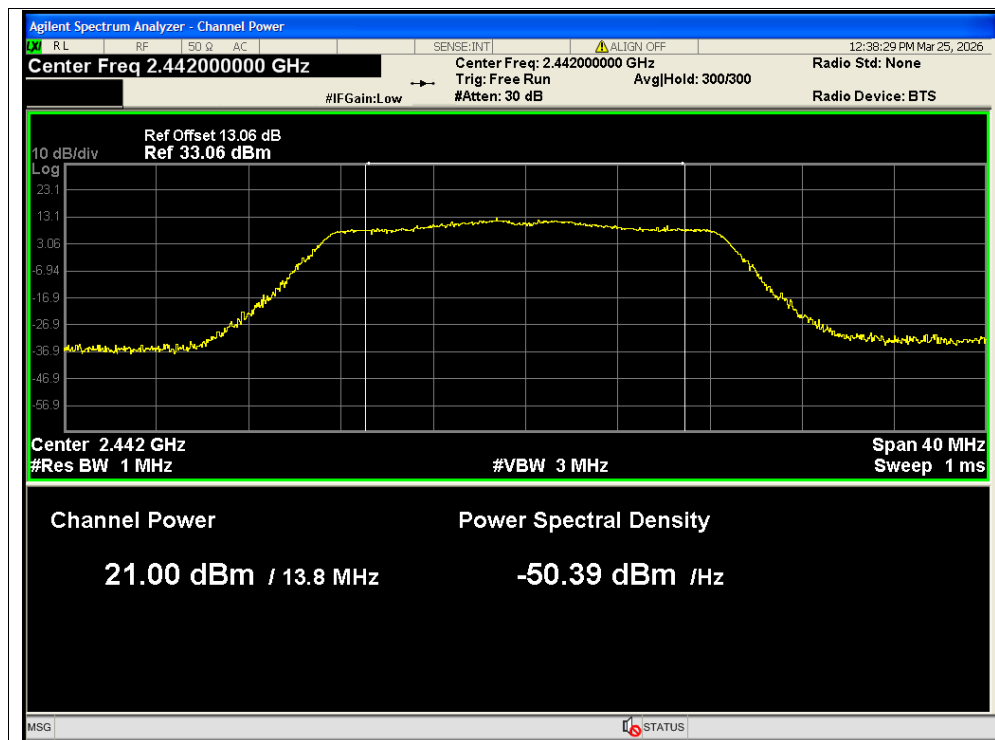
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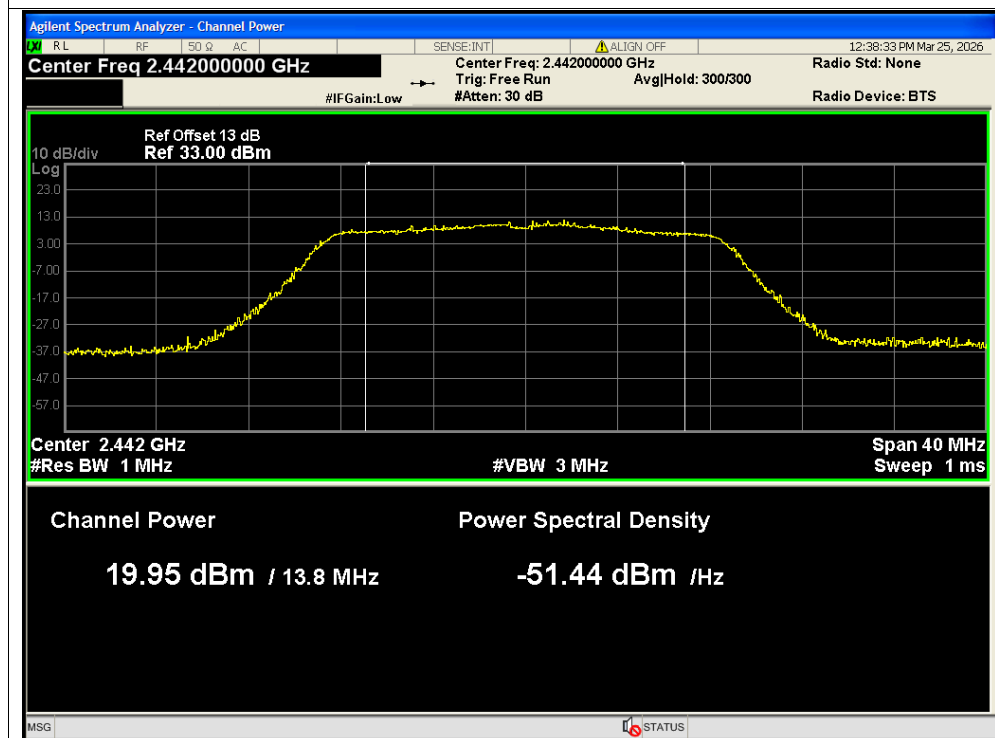
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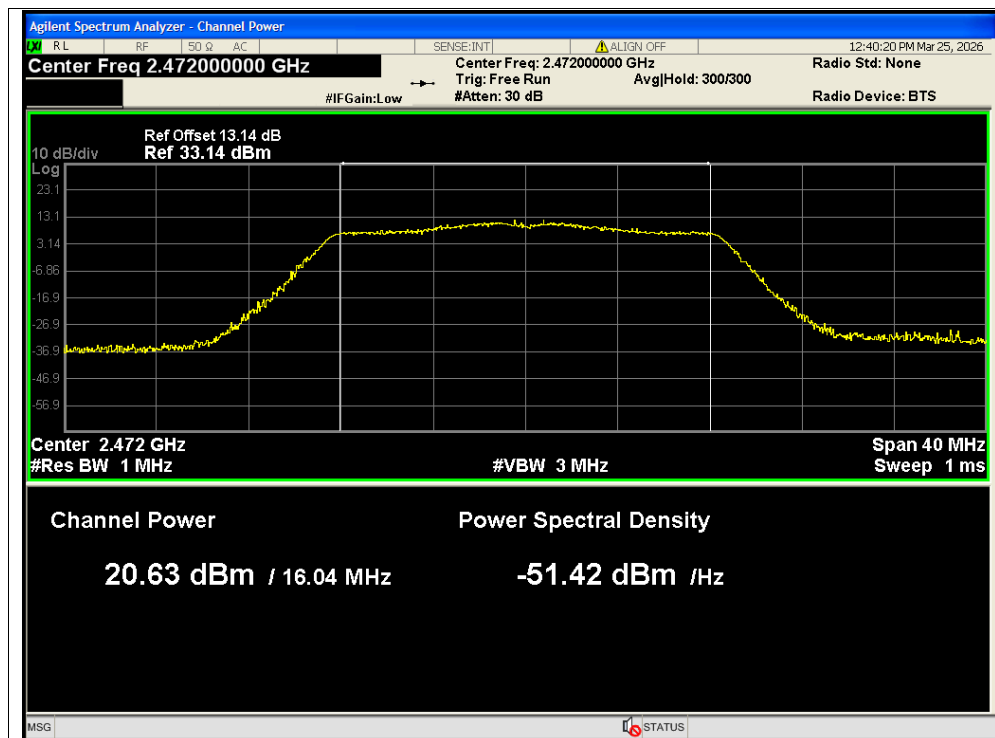
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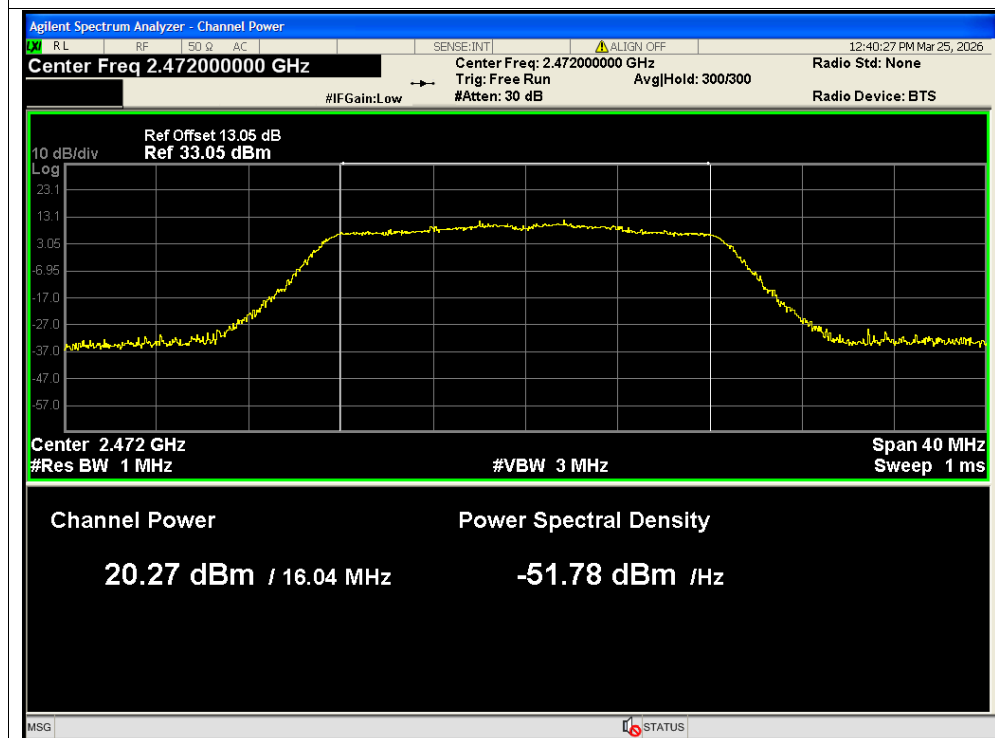
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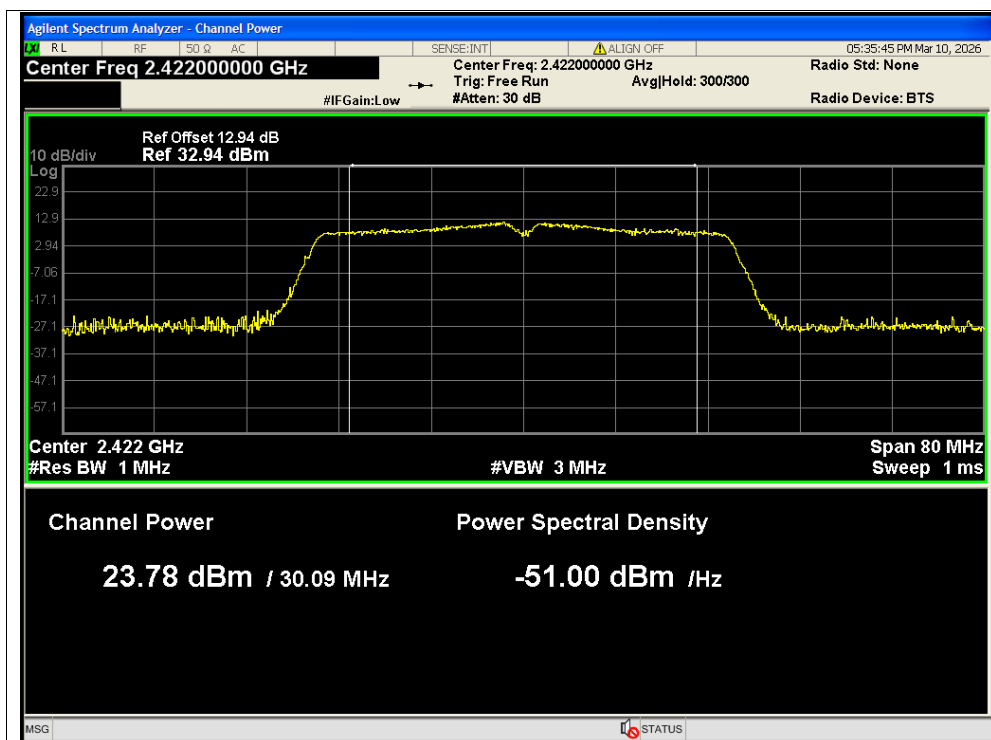
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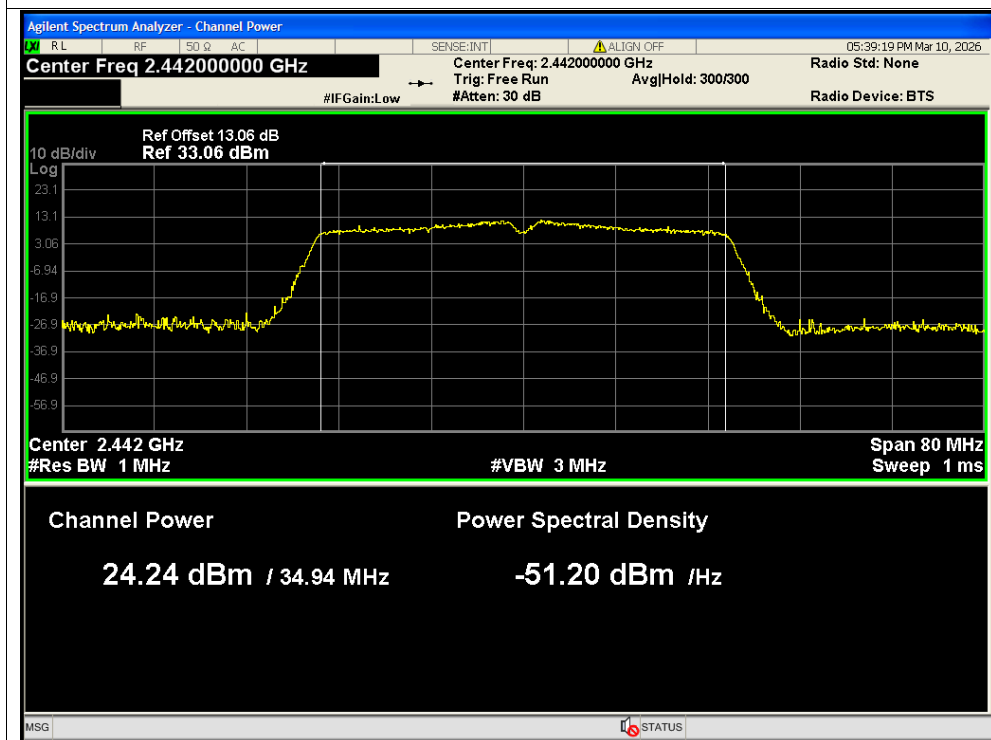
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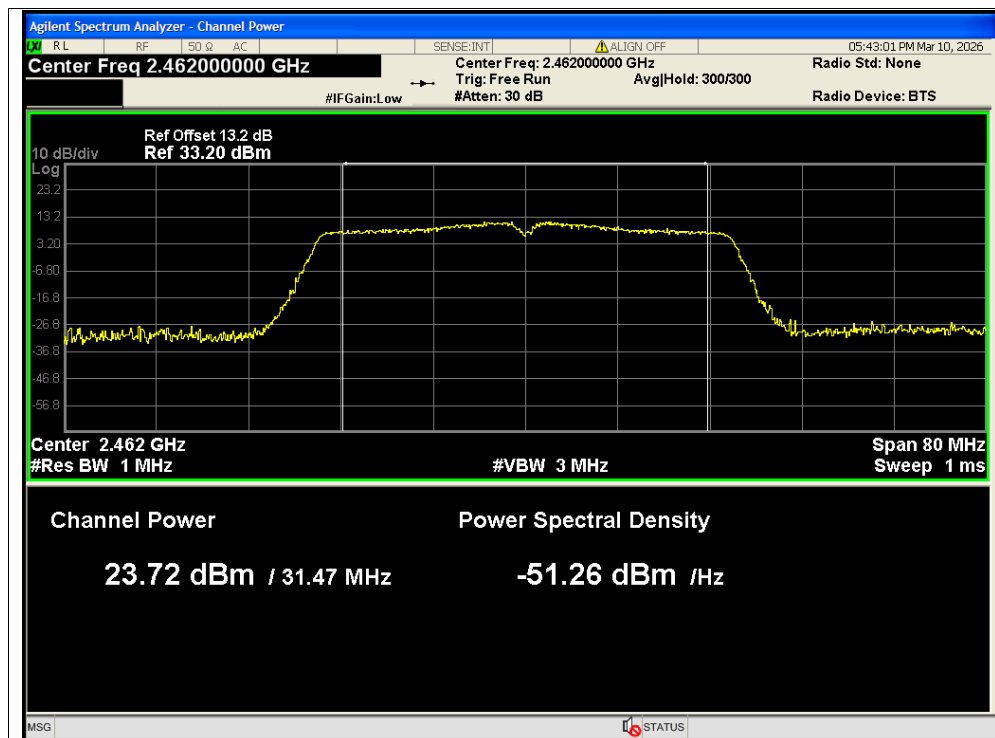
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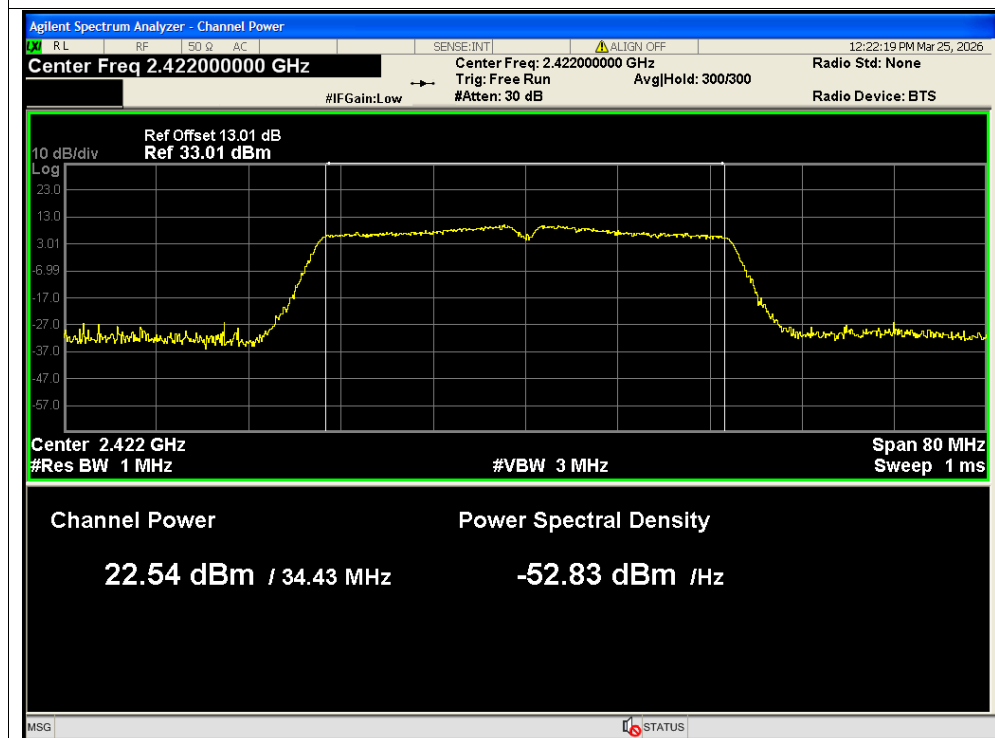
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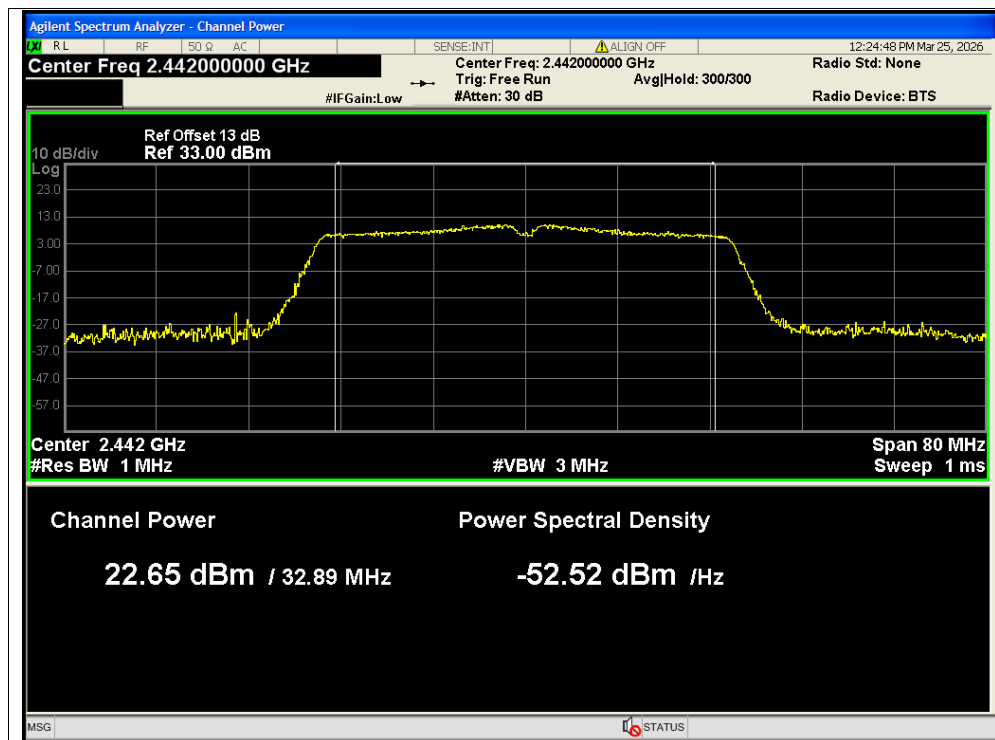
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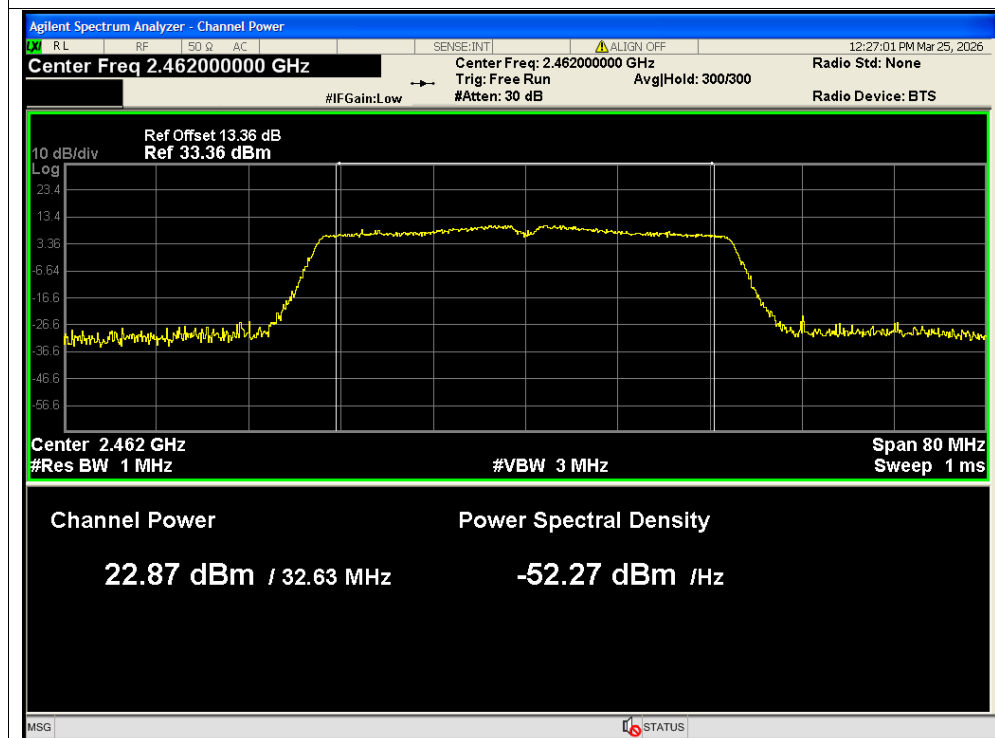
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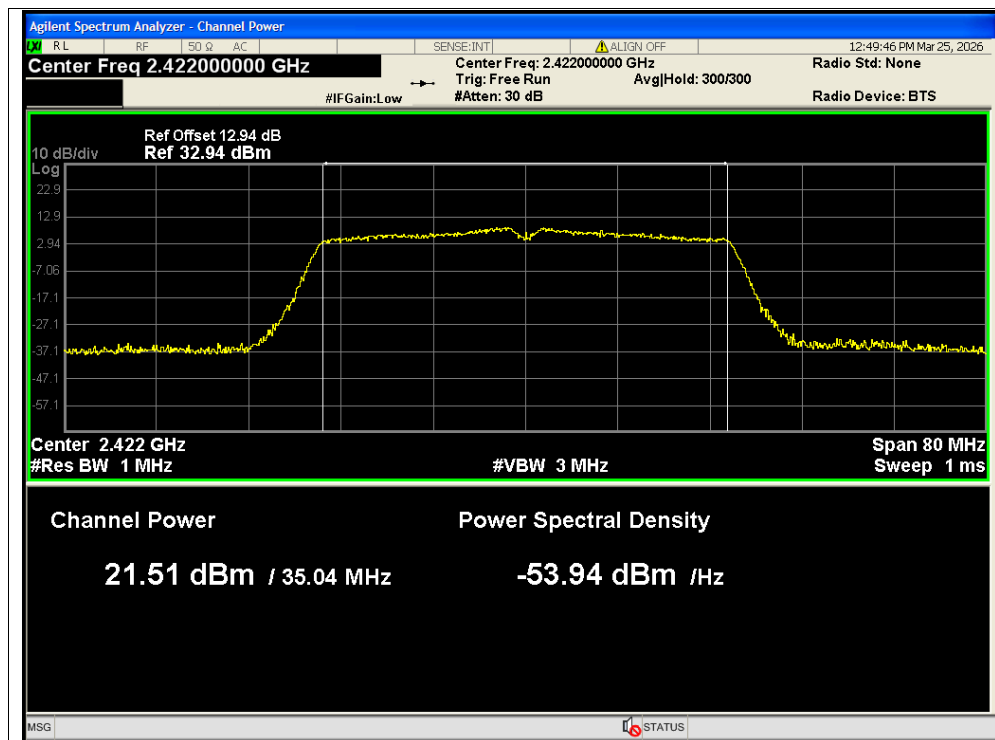
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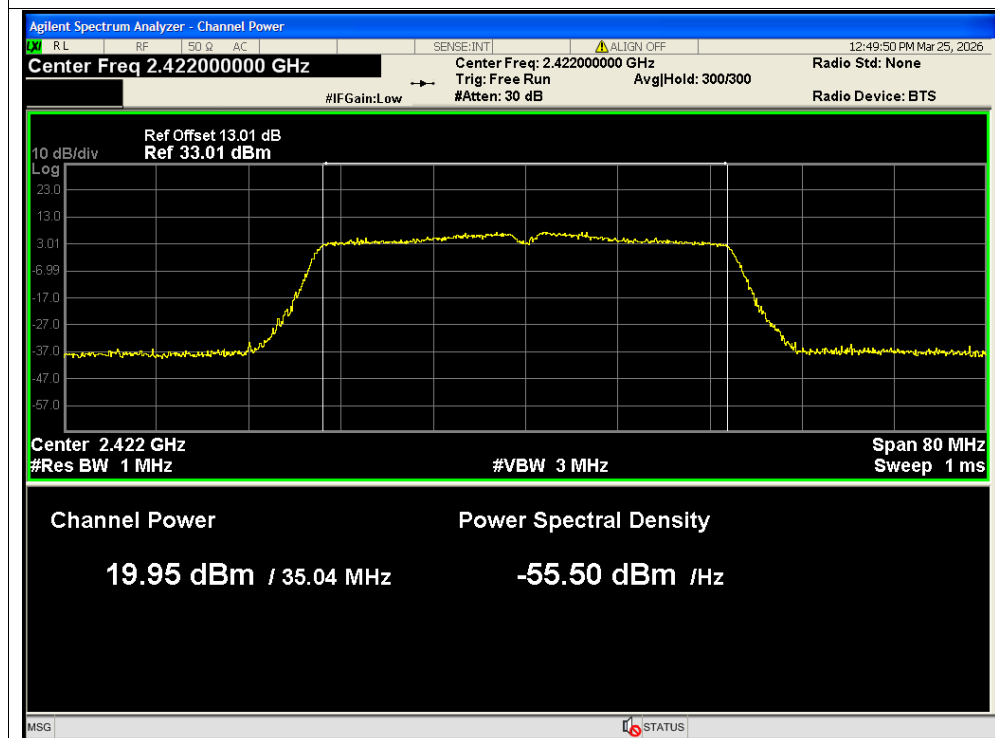
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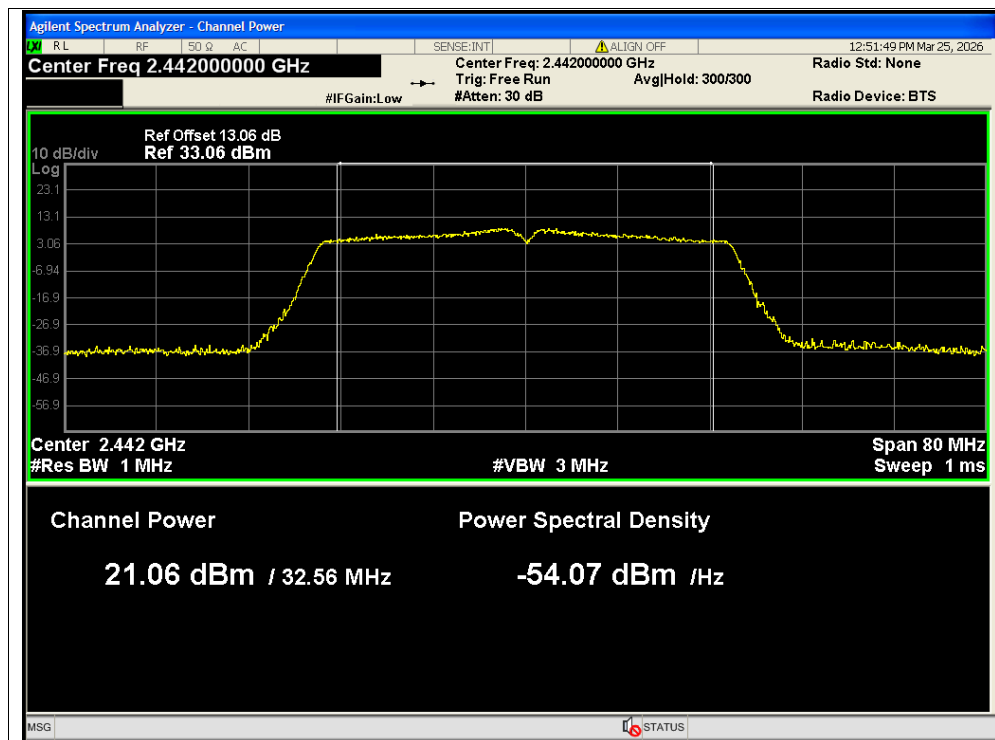
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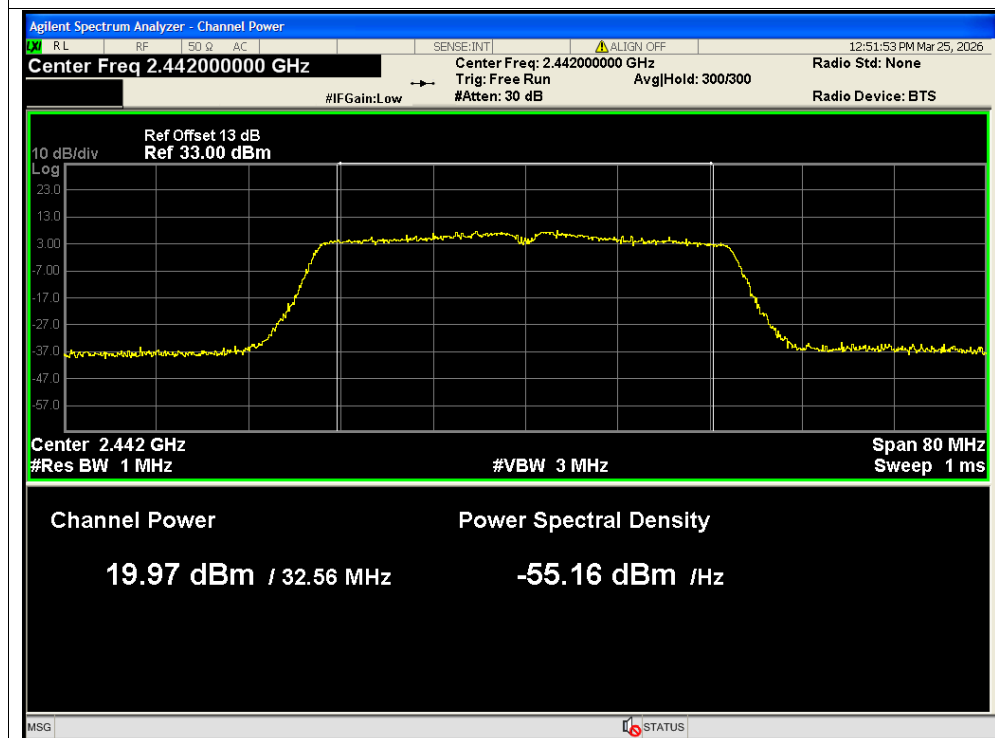
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Peak Power NVNT n40 2422MHz Ant2 MIMO



Peak Power NVNT n40 2442MHz Ant1 MIMO



Peak Power NVNT n40 2442MHz Ant2 MIMO