



REPORT No.: SZ25070325W03

TEST REPORT

APPLICANT : FJ Dynamics Co.,Ltd.

PRODUCT NAME : LiDAR Scanner

MODEL NAME : P2

BRAND NAME : FJDTTrion

FCC ID : 2A2LL-FJDP2

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-08-05

TEST DATE : 2025-08-25 to 2025-09-05

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REPORT No.: SZ25070325W03

Change History		
Version	Date	Reason for change
1.0	2025-09-29	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	/
2	N/A	Duty Cycle of Test Signal	Aug. 26, 2025	Lin Haoyang	PASS	/
3	15.247(b)	Maximum Peak Conducted Output Power	Aug. 26, 2025	Lin Haoyang	PASS	/
4	15.247(b)	Maximum Average Conducted Output Power	Aug. 26, 2025	Lin Haoyang	PASS	/
5	15.247(a)	Bandwidth	Aug. 26, 2025	Lin Haoyang	PASS	/
6	15.247(d)	Conducted Spurious Emission and Band Edge	Aug. 26, 2025	Lin Haoyang	PASS	/
7	15.247(e)	Power Spectral Density	Aug. 26, 2025	Lin Haoyang	PASS	/
8	15.207	Conducted Emission	Aug. 26, 2025	Wang Yapeng	PASS	/
9	15.247(d)	Restricted Frequency Bands	Sep. 05, 2025	Wang Deyong	PASS	/
10	15.209, 15.247(d)	Radiated Emission	Sep. 04&05, 2025	Wang Deyong	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2020 and KDB 558074 D01 v05r02.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the “Remark”.

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	2025.01.15	2026.01.14
Power Sensor	MY54180008	U2021XA	Agilent	2024.09.11	2025.09.10
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
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	R&S	2025.05.13	2026.05.12
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	2024.09.11	2025.09.10
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.09.11	2025.09.10
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.09.11	2025.09.10
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	2022.11.30	2025.11.29



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:	FJ Dynamics Co.,Ltd.
Applicant Address:	21F, Das Tower, No. 28, 1st South Keji Road, Nanshan District , Shenzhen, China
Manufacturer:	FJ Dynamics Co.,Ltd.
Manufacturer Address:	21F, Das Tower, No. 28, 1st South Keji Road, Nanshan District , Shenzhen, China

2.2. Information of EUT

Product Name:	LiDAR Scanner	
Sample No.:	1#, 2#, 5#	
Hardware Version:	V1.0	
Software Version:	V1.1	
Modulation Technology:	DSSS, OFDM, OFDMA	
Modulation Type:	Refer to section 2.4.1	
Wireless Technology:	802.11b, 802.11g, 802.11n (HT20), 802.11ax (HEW20)	
Operating Frequency Range:	2412MHz-2462MHz	
Antenna Type:	FPC Antenna	
Antenna Gain:	5.53dBi	
Accessory Information:	Battery	
	Brand Name:	FJD Trion
	Model No.:	BP0030-3
	Serial No.:	N/A
	Capacity:	3000mAh
	Rated Voltage:	10.8V
	Charge Limit:	12.6V
	Manufacturer:	FJ Dynamics Technology (Fujian) Co., Ltd.



Accessory Information:	AC Adapter	
	Brand Name:	Huizhou Fujia
	Model No.:	FJ-GN265C87N
	Serial No.:	N/A
	Rated Output:	5V $\overline{\text{---}}$ 3A; 9V $\overline{\text{---}}$ 3A; 12V $\overline{\text{---}}$ 3A; 15V $\overline{\text{---}}$ 3A; 20V $\overline{\text{---}}$ 3.25A
	Rated Input:	100-240V $\sim$ 50/60Hz, 1.5A
	Manufacturer:	Huizhou Fujia Appliance Tech. Co.,Ltd.

Note 1: 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.



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		
	6	2437		
	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 (HEW20)	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.

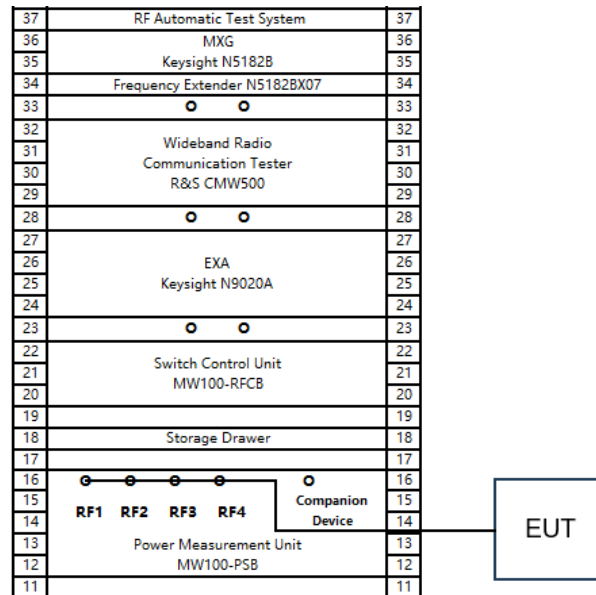
Note3: Not supports partial RU.

2.5. Test Conditions

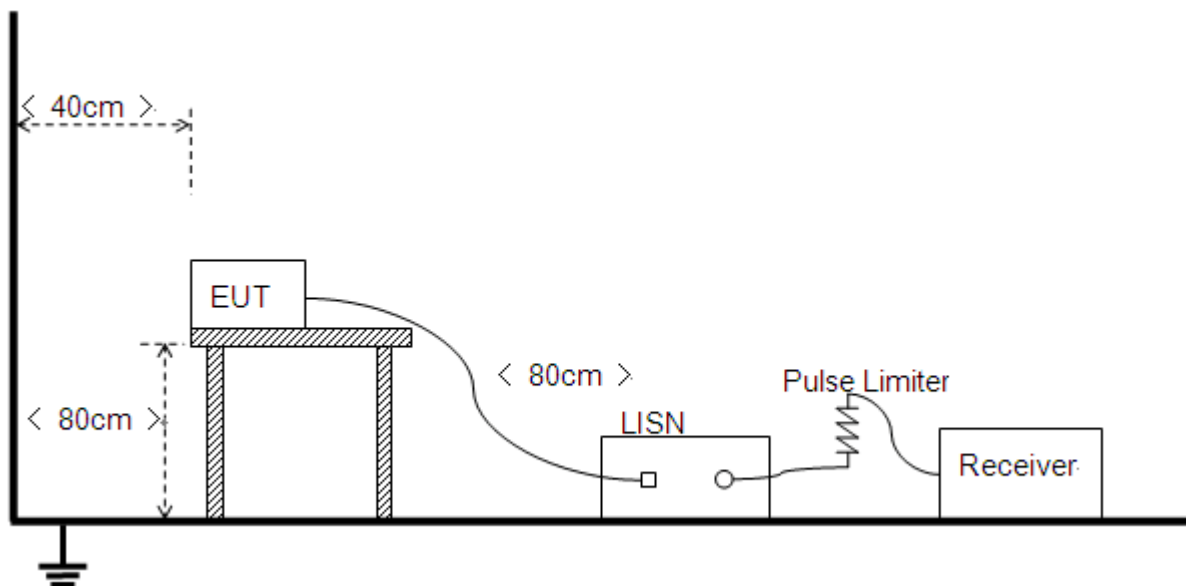
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

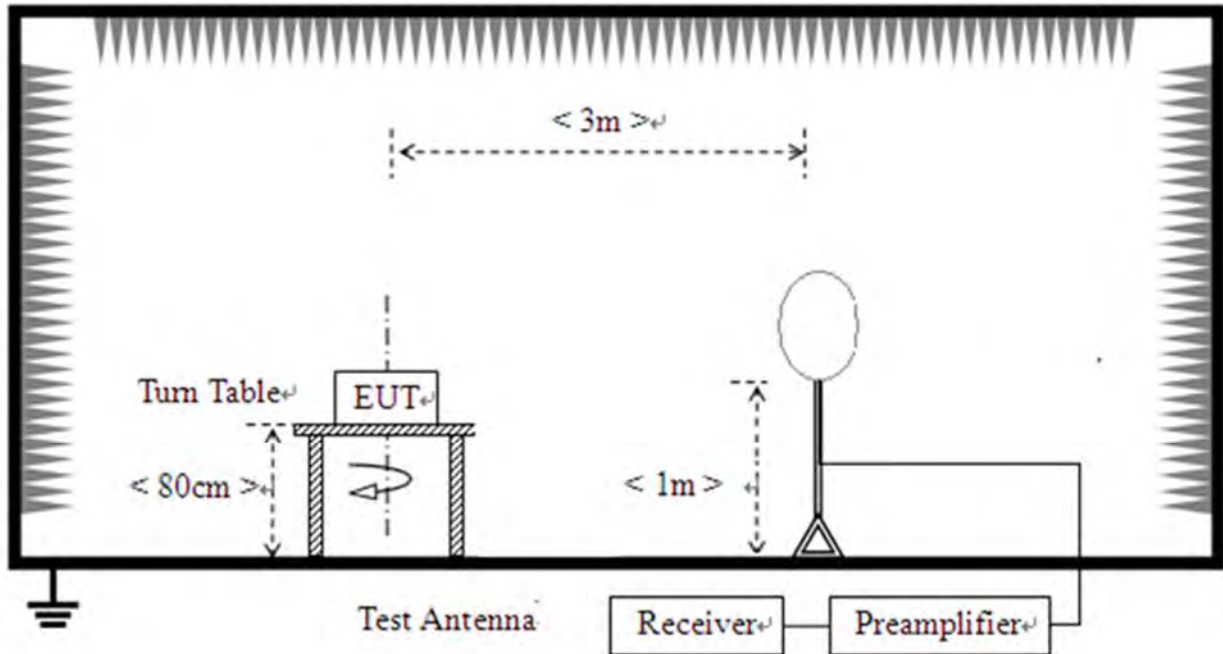


2.6.2. Conducted Emission Measurement

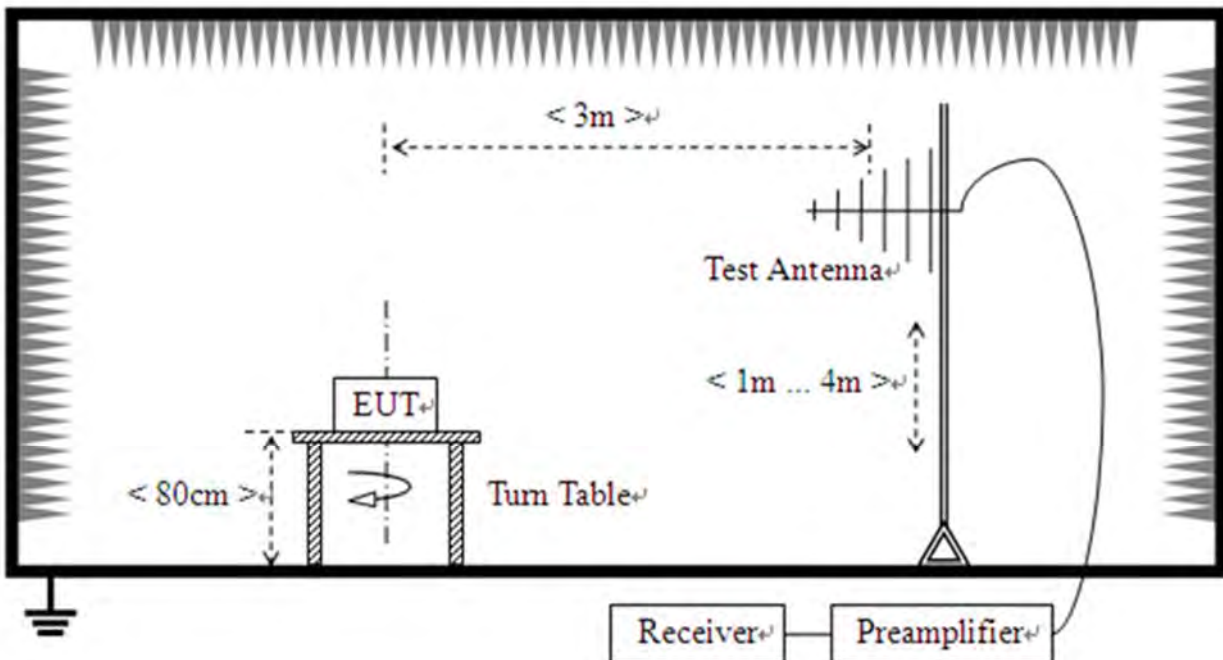


2.6.3.Radiation Measurement

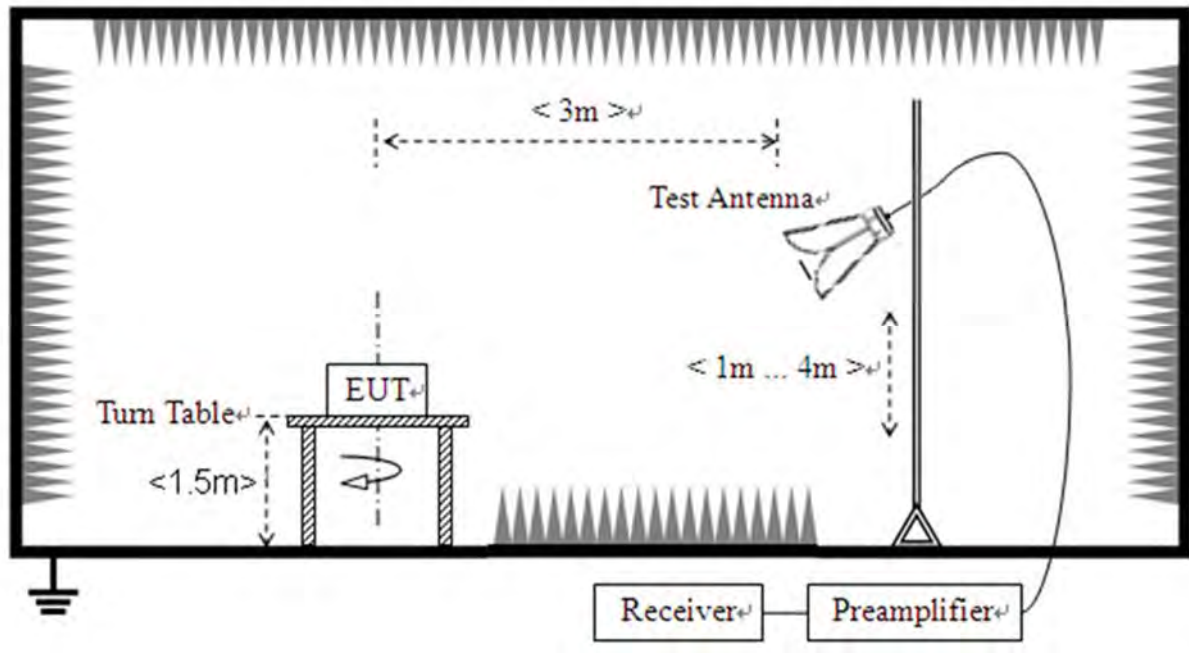
1) For radiated emissions from 9kHz to 30MHz



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	☒ 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.

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.

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

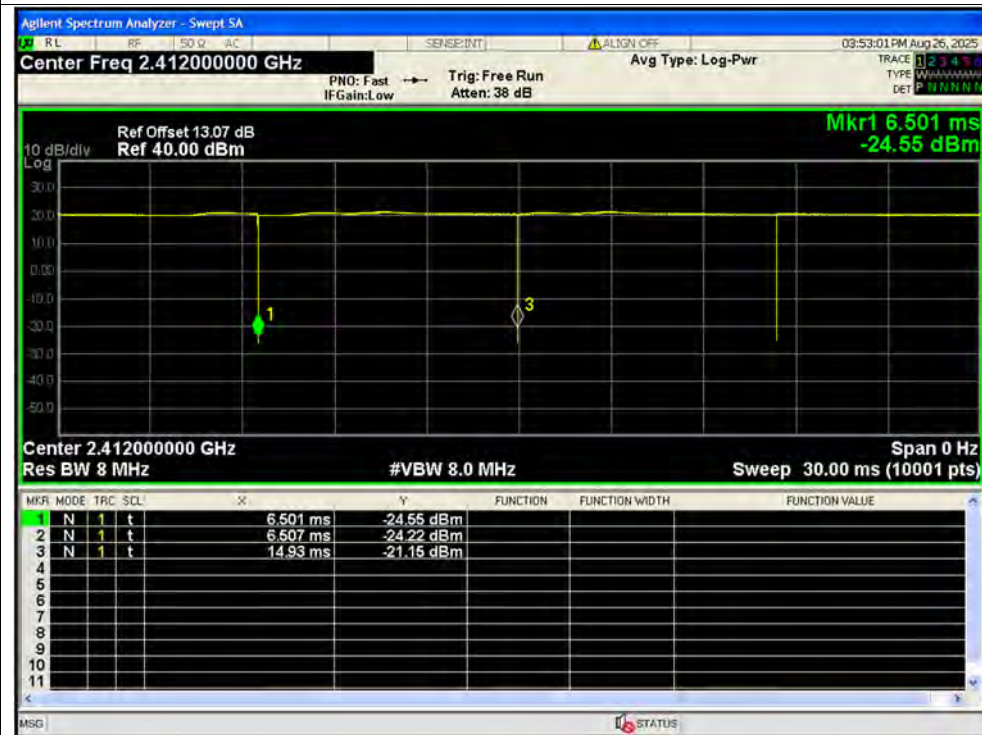
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.93	0	0.12
NVNT	b	2437	Ant1	98.91	0.05	0.12
NVNT	b	2462	Ant1	98.91	0.05	0.12
NVNT	g	2412	Ant1	98.57	0.06	0.48
NVNT	g	2437	Ant1	98.57	0.06	0.48
NVNT	g	2462	Ant1	98.57	0.06	0.48
NVNT	n20	2412	Ant1	93.03	0.31	0.76
NVNT	n20	2437	Ant1	92.9	0.32	0.76
NVNT	n20	2462	Ant1	92.9	0.32	0.76
NVNT	ax20	2412	Ant1	91.09	0.41	0.98
NVNT	ax20	2437	Ant1	91.25	0.4	0.98
NVNT	ax20	2462	Ant1	91.09	0.41	0.98

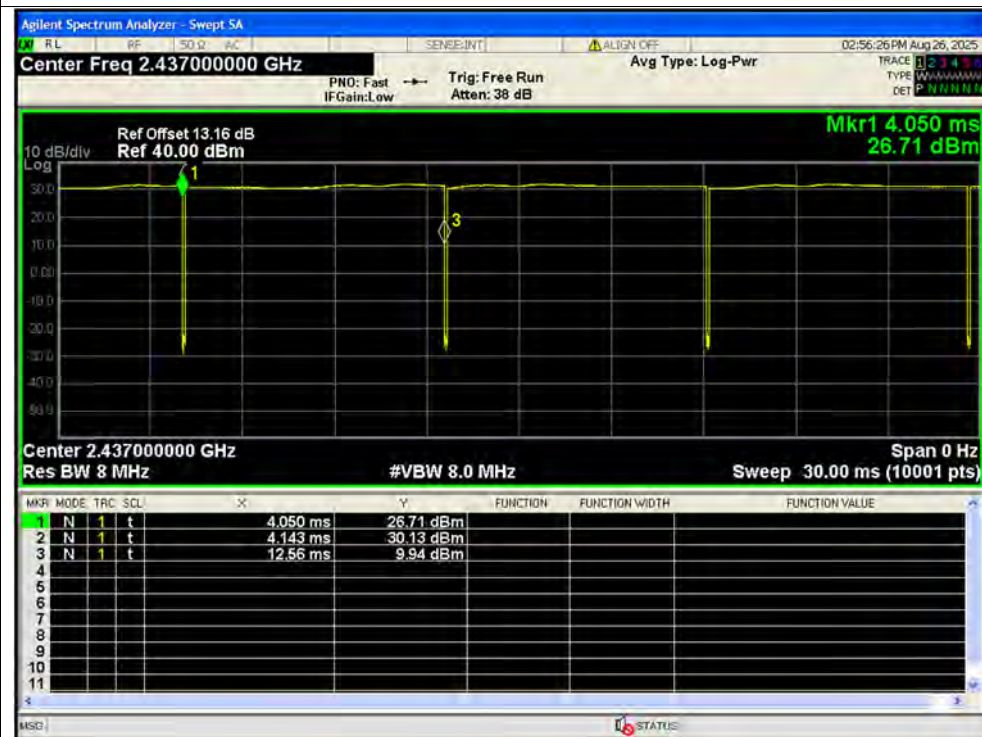


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

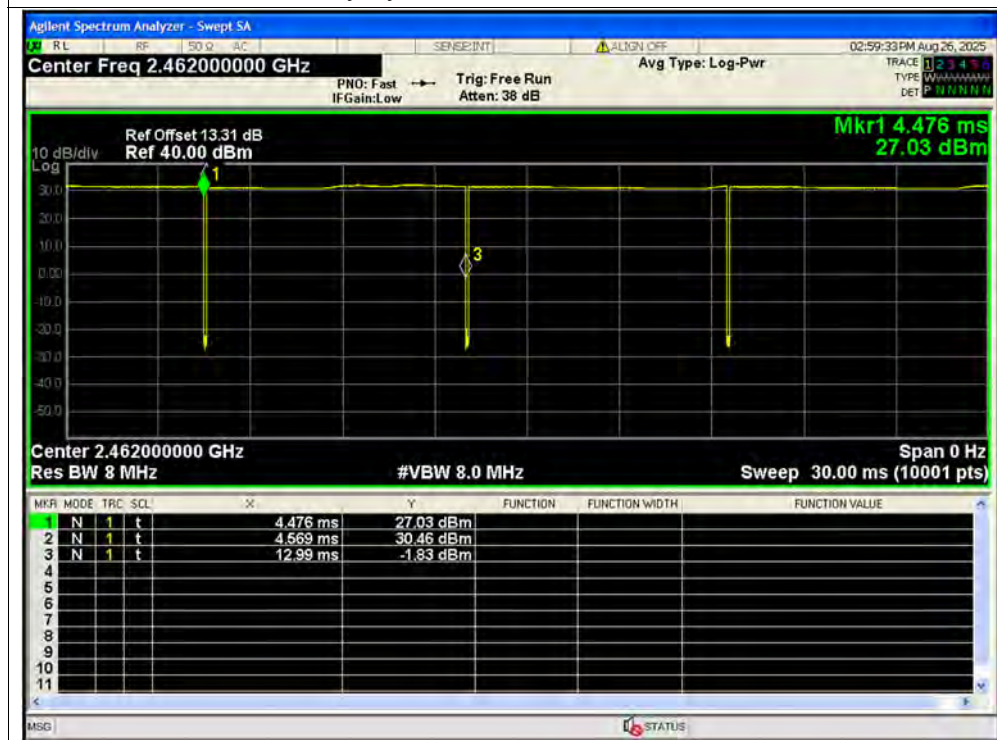


Duty Cycle NVNT b 2437MHz Ant1

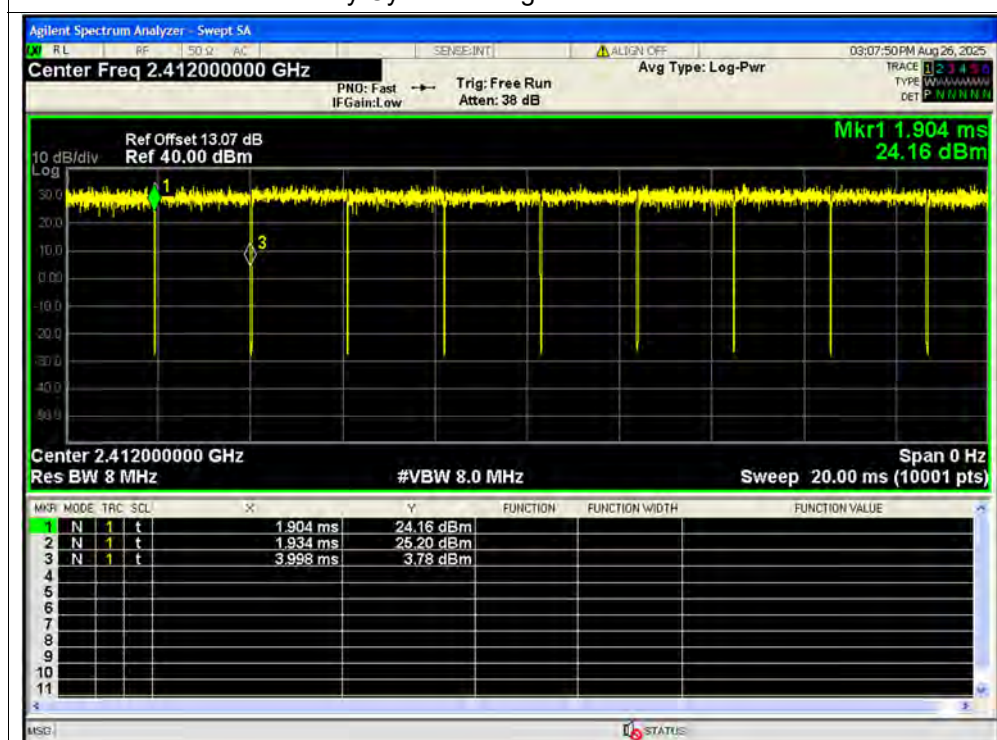




Duty Cycle NVNT b 2462MHz Ant1

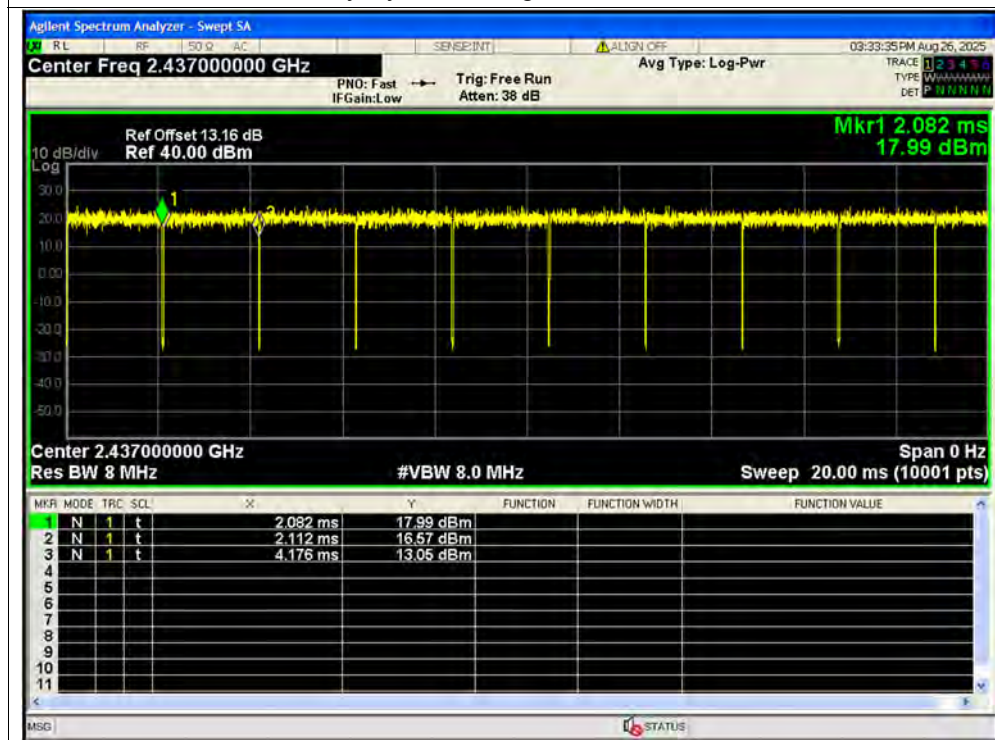


Duty Cycle NVNT g 2412MHz Ant1

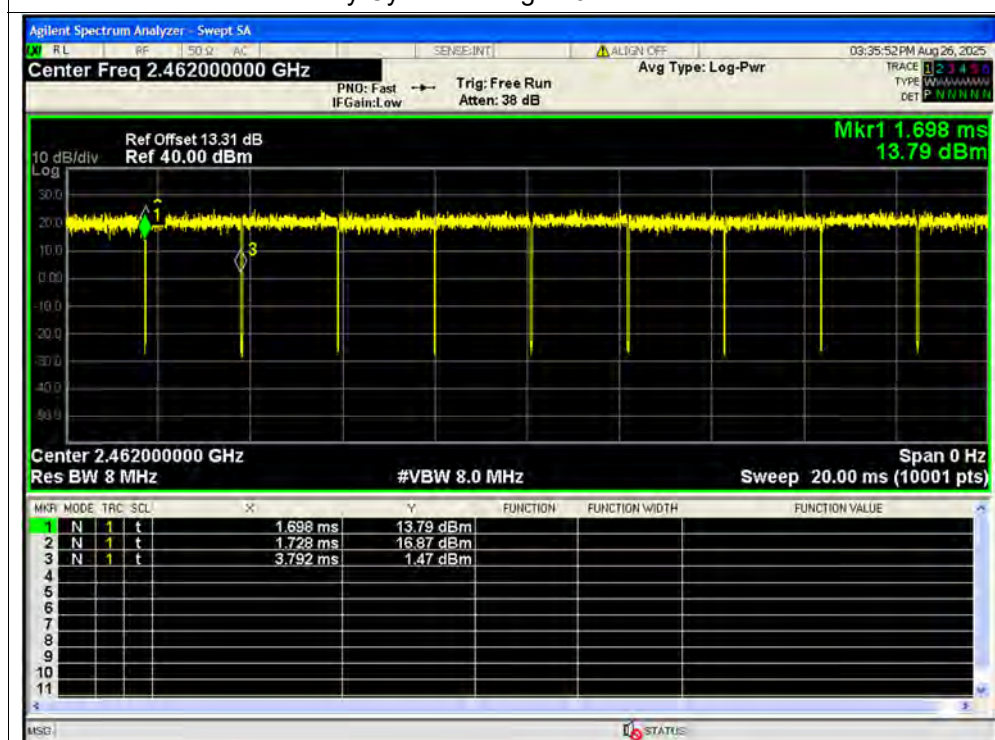




Duty Cycle NVNT g 2437MHz Ant1

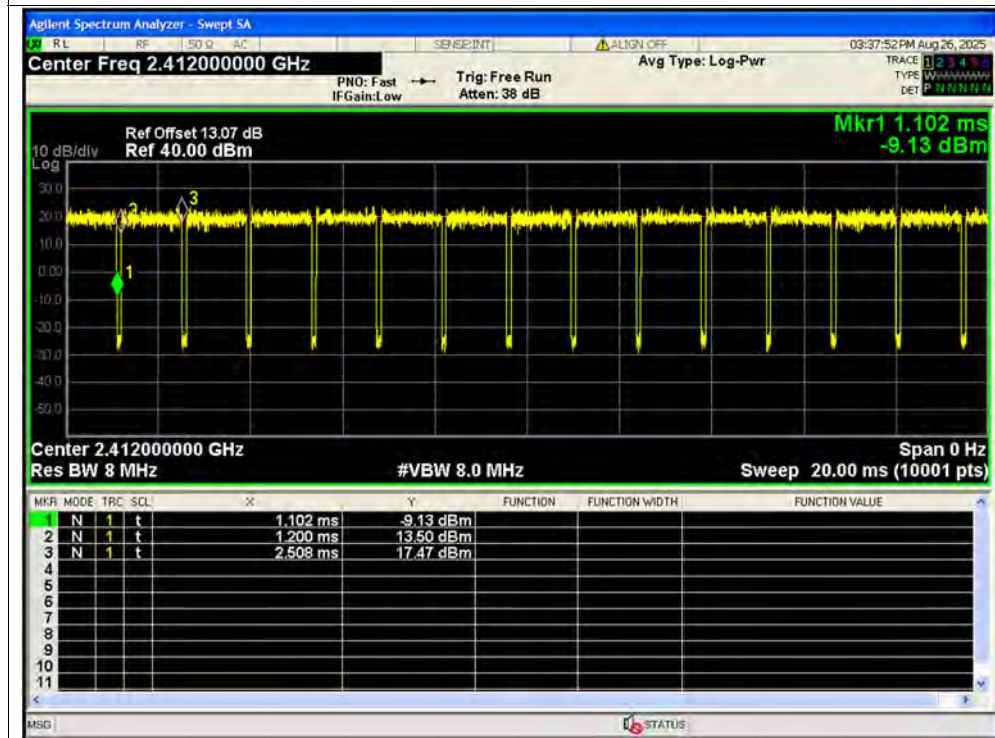


Duty Cycle NVNT g 2462MHz Ant1

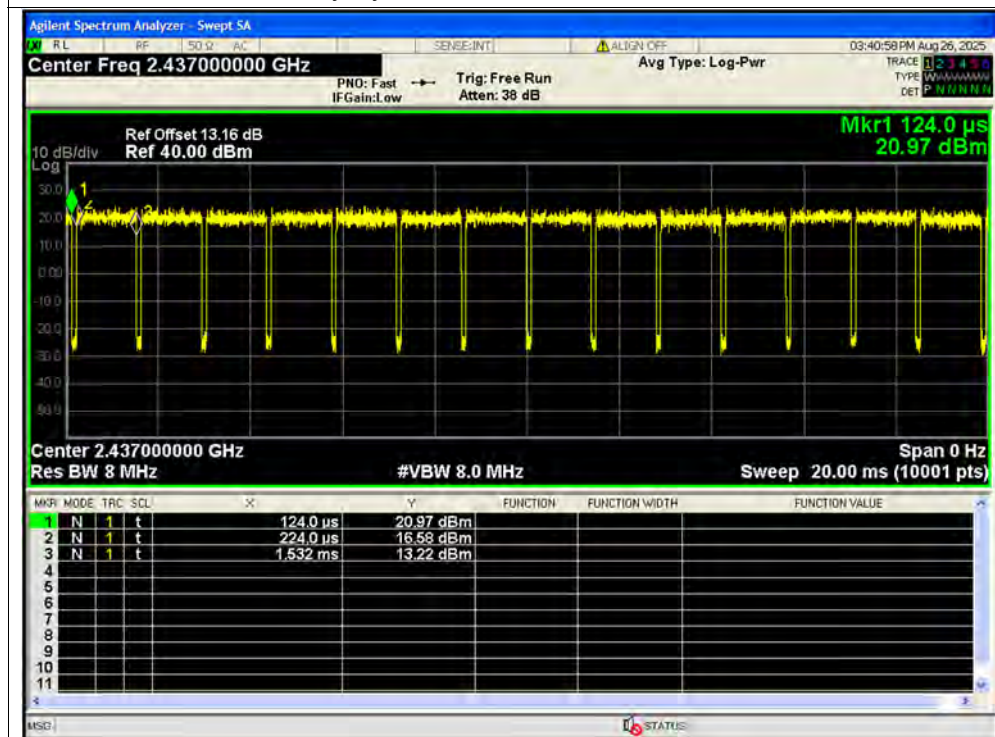




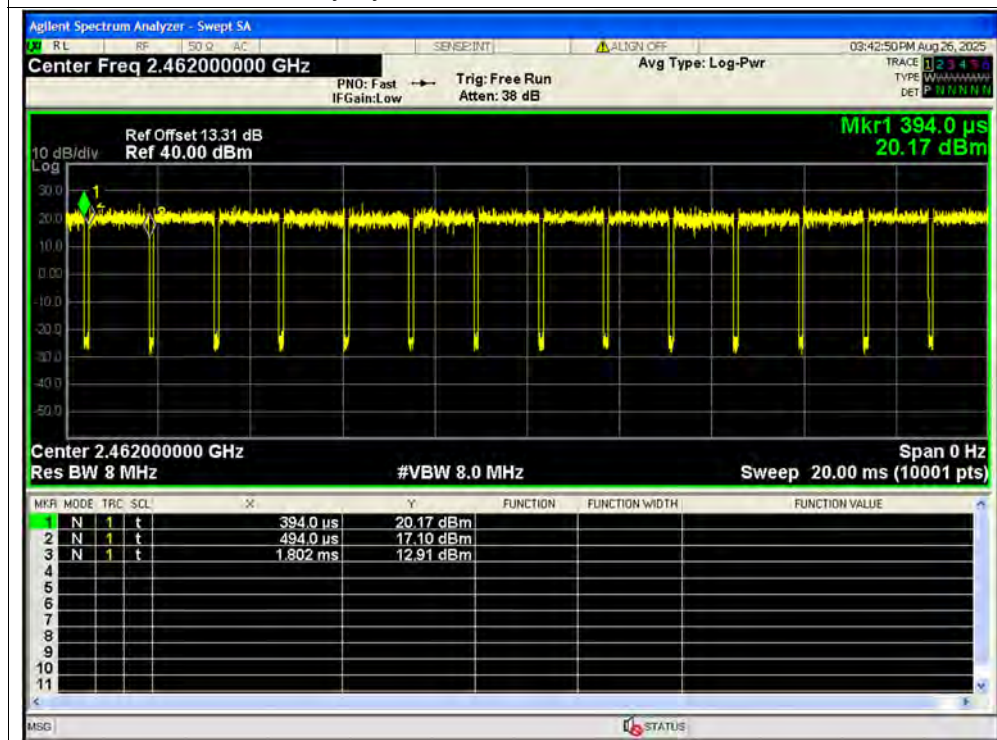
Duty Cycle NVNT n20 2412MHz Ant1



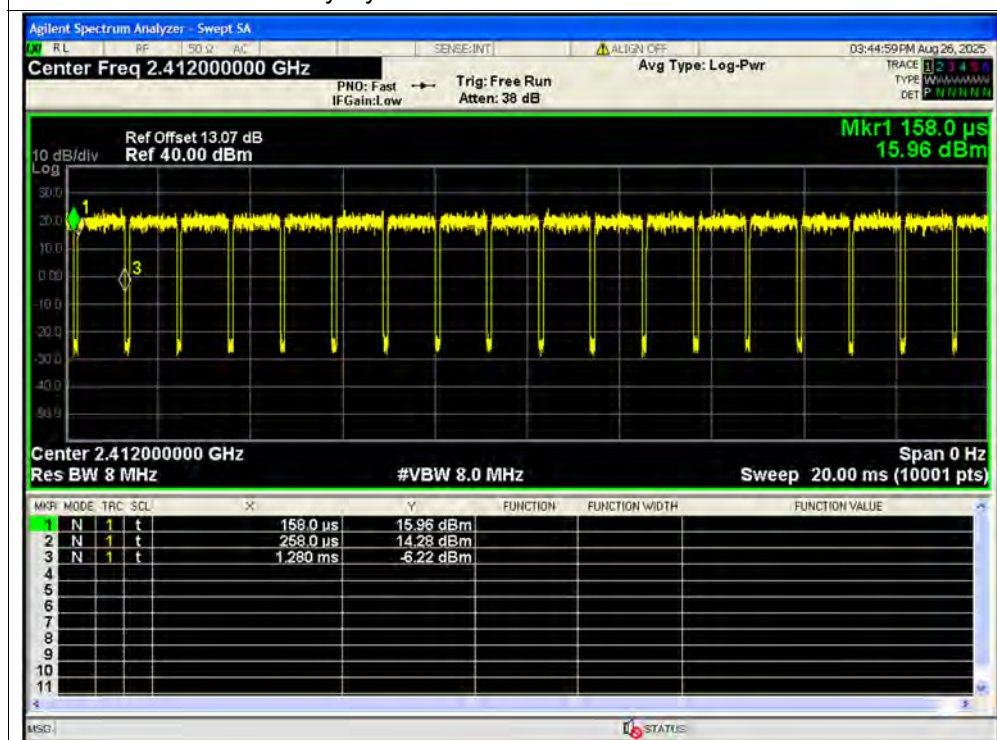
Duty Cycle NVNT n20 2437MHz Ant1



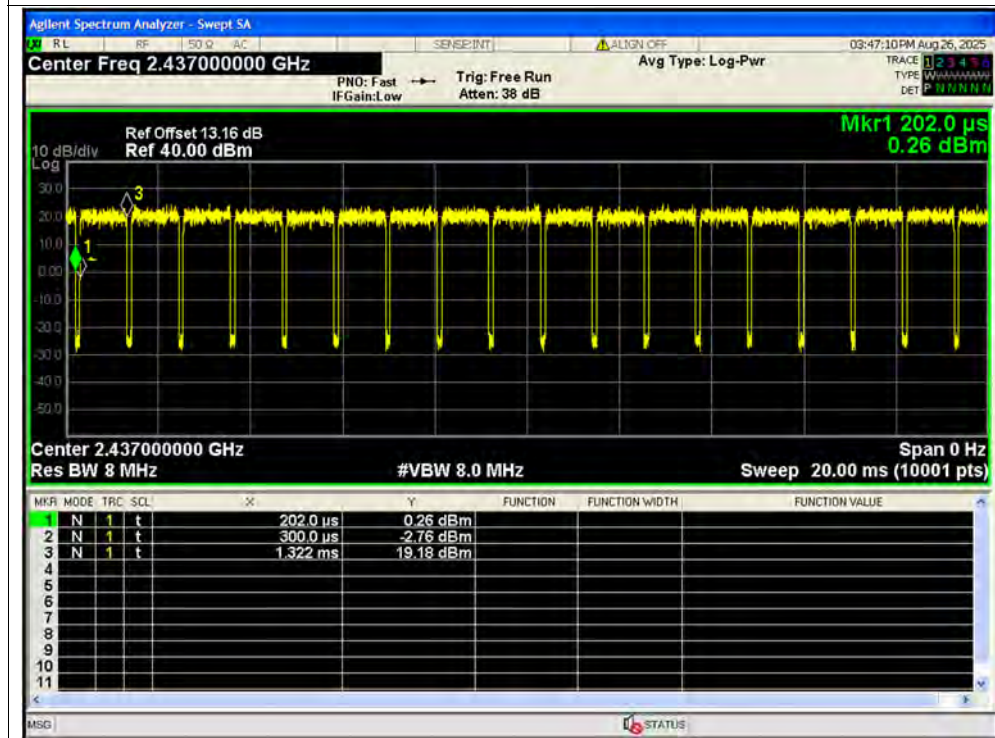
Duty Cycle NVNT n20 2462MHz Ant1



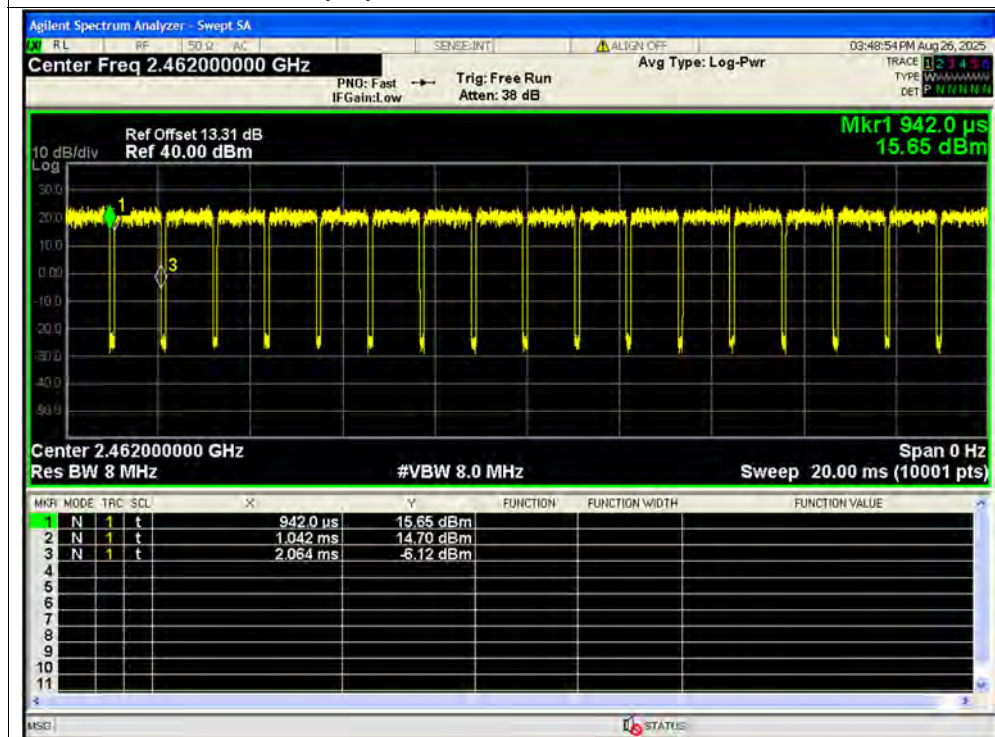
Duty Cycle NVNT ax20 2412MHz Ant1



Duty Cycle NVNT ax20 2437MHz Ant1



Duty Cycle NVNT ax20 2462MHz Ant1



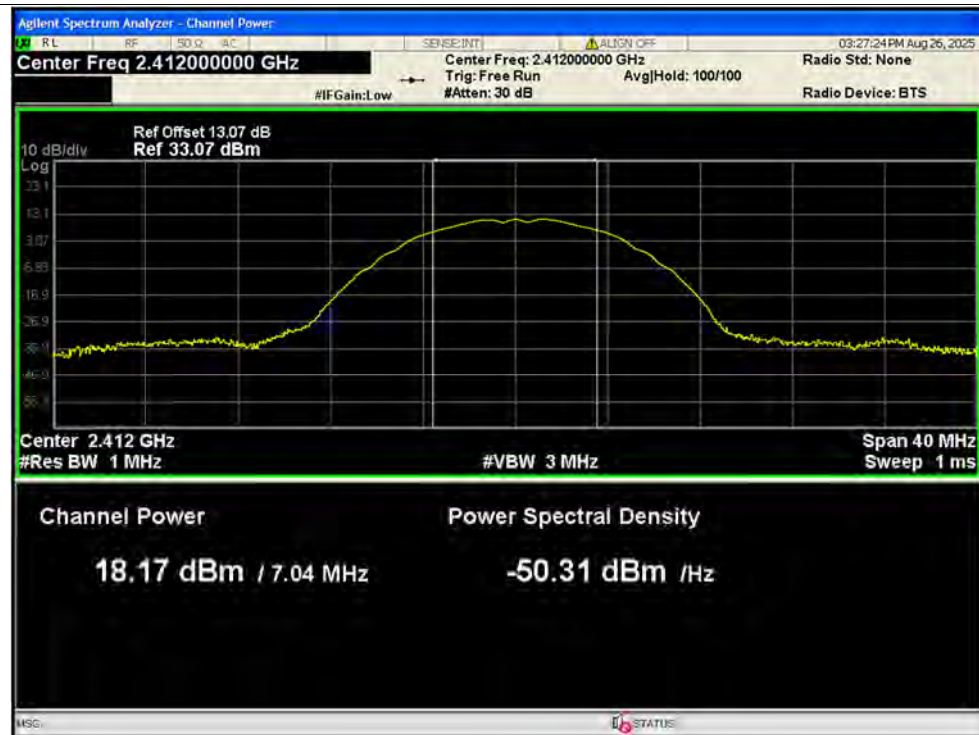
**A.2. Maximum Peak Conducted Output Power**

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	2412	Ant1	18.17	0	18.17	0.06561	30	Pass
NVNT	b	2437	Ant1	18.92	0	18.92	0.07798	30	Pass
NVNT	b	2462	Ant1	19.61	0	19.61	0.09141	30	Pass
NVNT	g	2412	Ant1	23.6	0	23.6	0.22909	30	Pass
NVNT	g	2437	Ant1	24.14	0	24.14	0.25942	30	Pass
NVNT	g	2462	Ant1	24.58	0	24.58	0.28708	30	Pass
NVNT	n20	2412	Ant1	23.7	0	23.7	0.23442	30	Pass
NVNT	n20	2437	Ant1	24.18	0	24.18	0.26182	30	Pass
NVNT	n20	2462	Ant1	24.51	0	24.51	0.28249	30	Pass
NVNT	ax20	2412	Ant1	24.69	0	24.69	0.29444	30	Pass
NVNT	ax20	2437	Ant1	25.04	0	25.04	0.31915	30	Pass
NVNT	ax20	2462	Ant1	25.36	0	25.36	0.34356	30	Pass

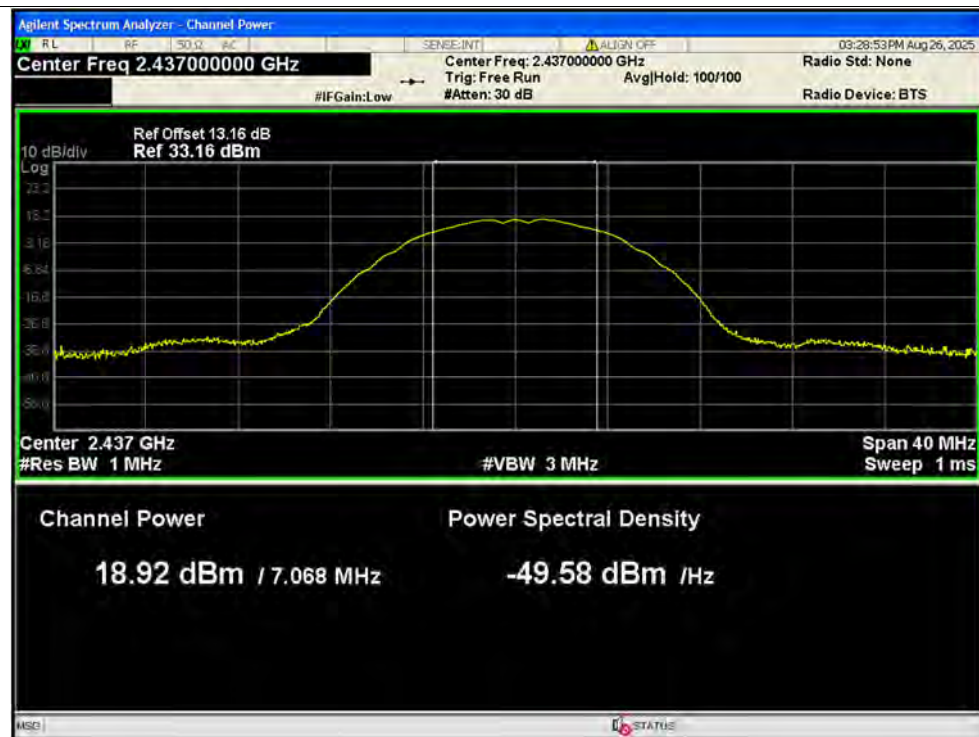


Test Graphs

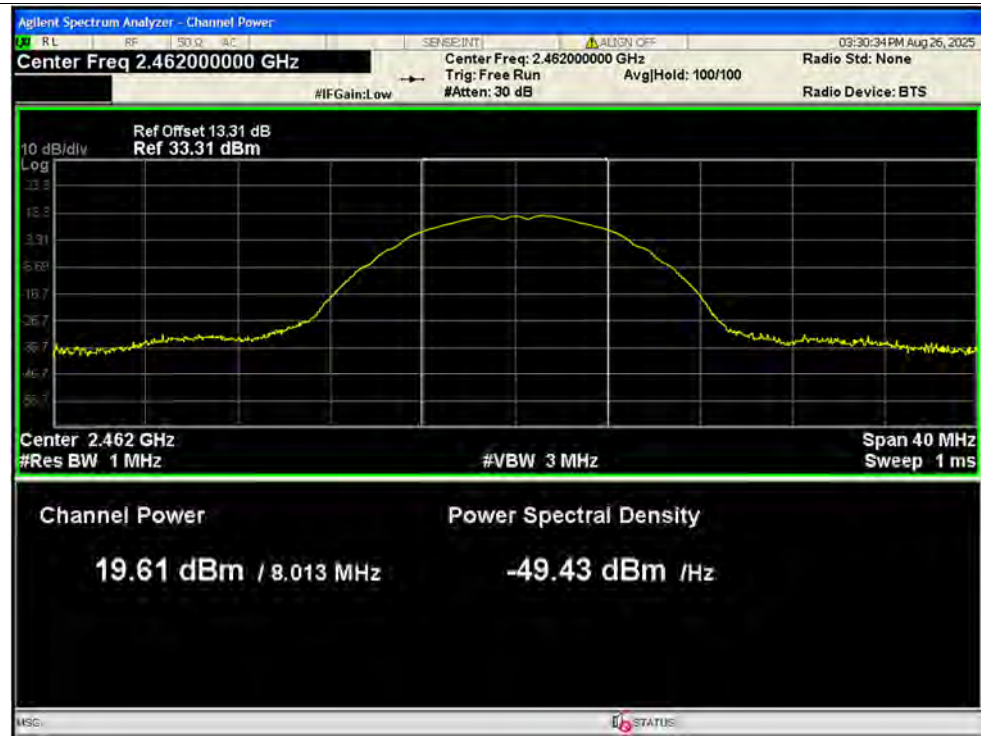
Peak Power NVNT b 2412MHz Ant1



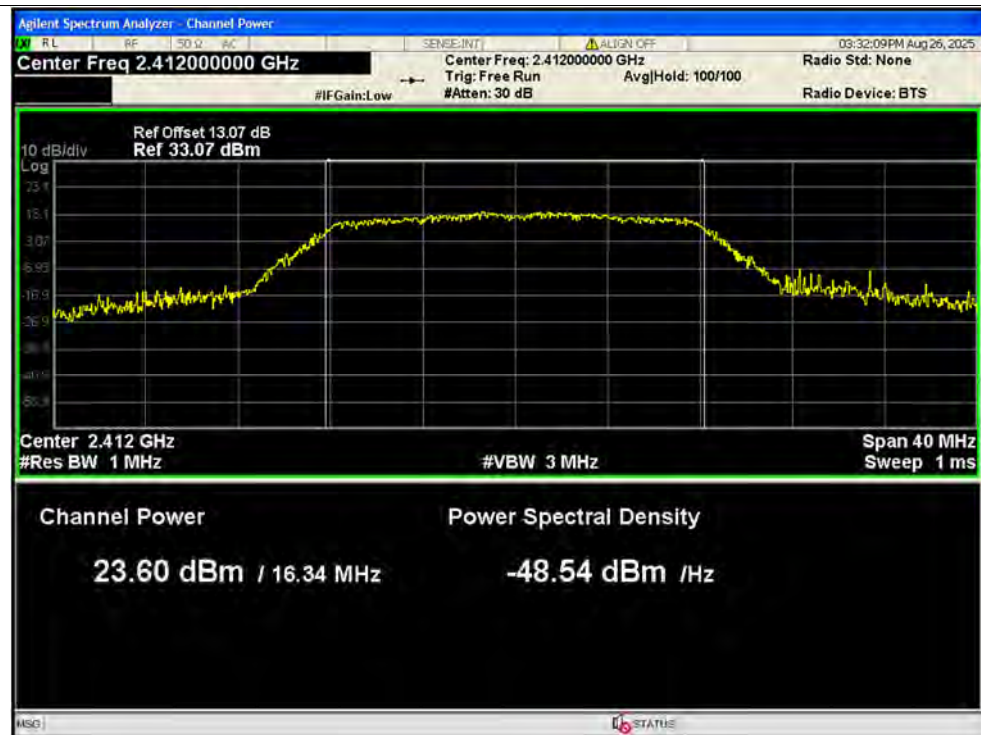
Peak Power NVNT b 2437MHz Ant1



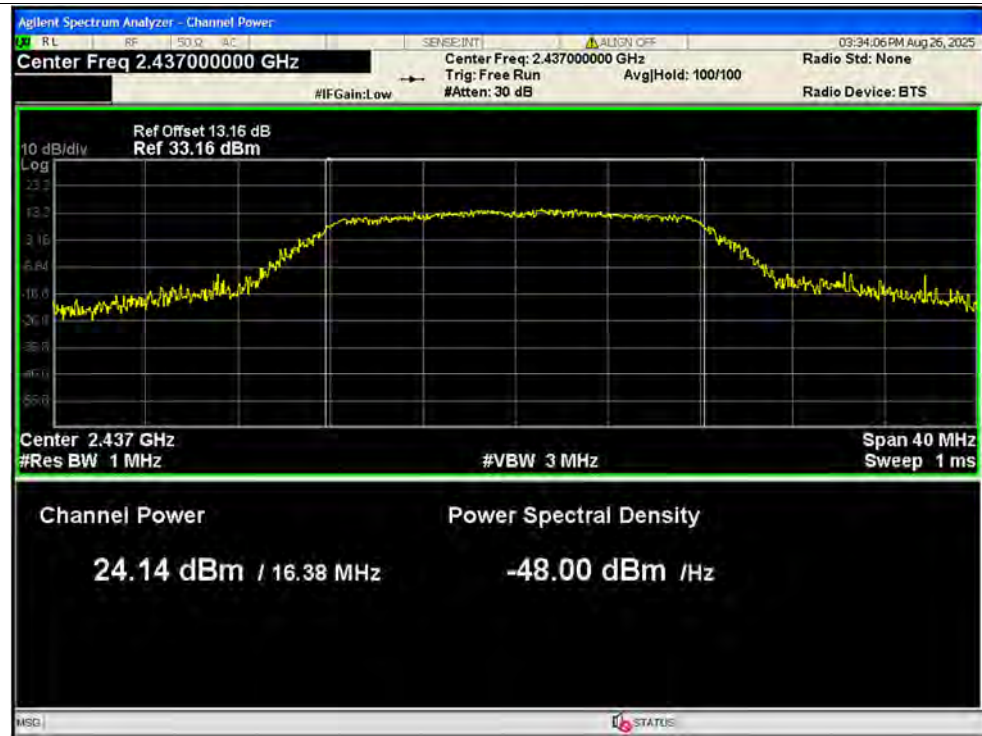
Peak Power NVNT b 2462MHz Ant1



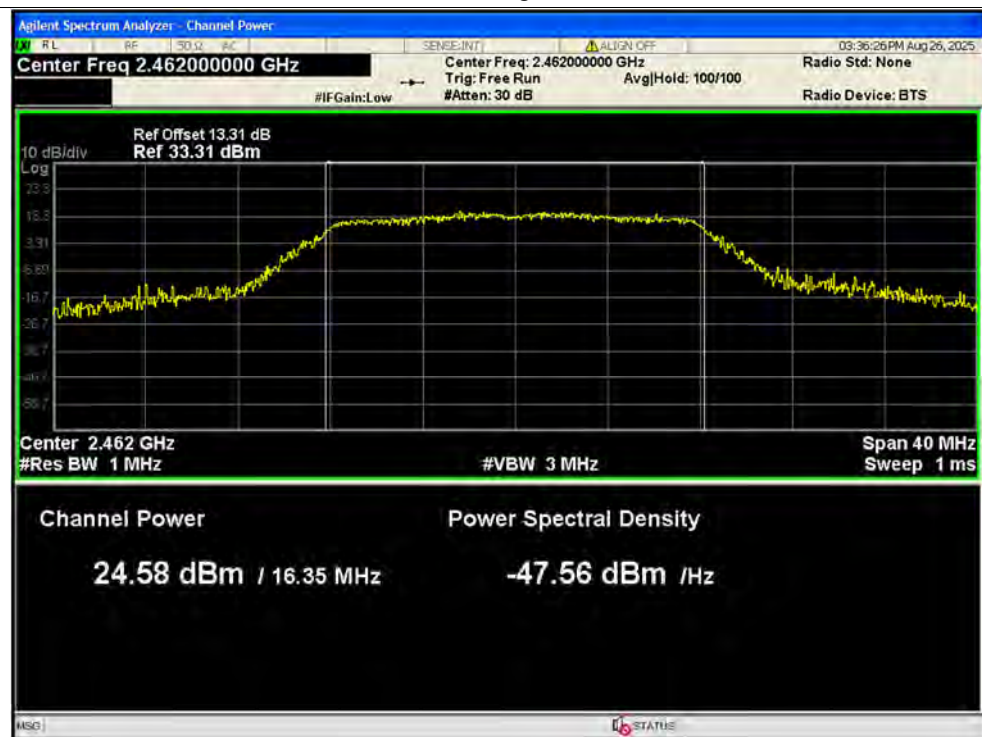
Peak Power NVNT g 2412MHz Ant1



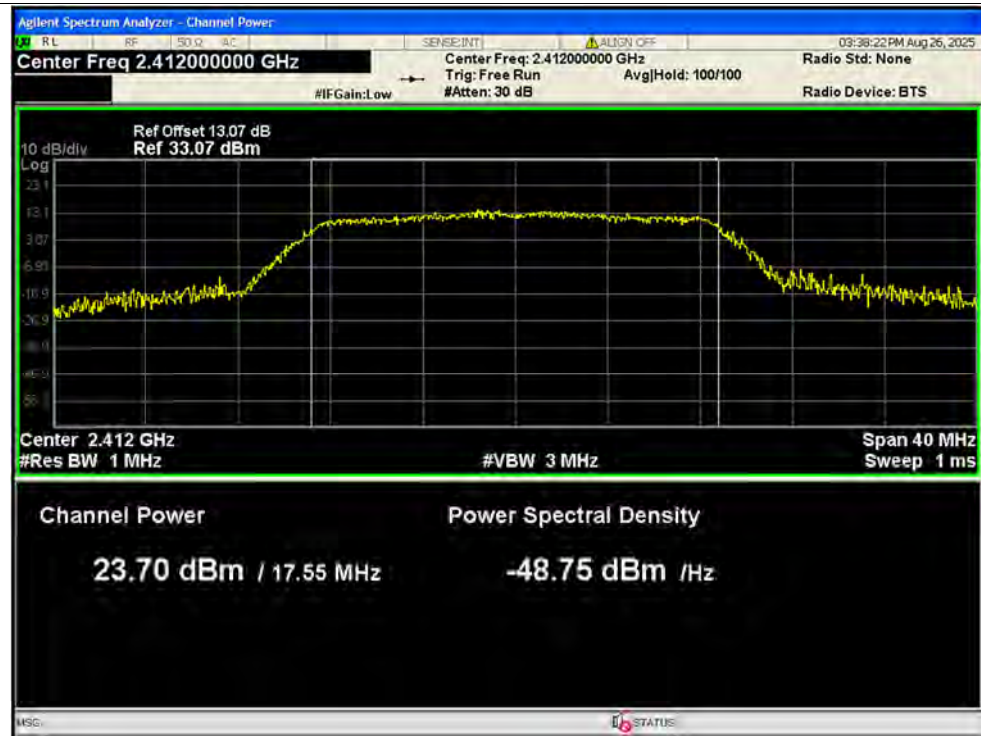
Peak Power NVNT g 2437MHz Ant1



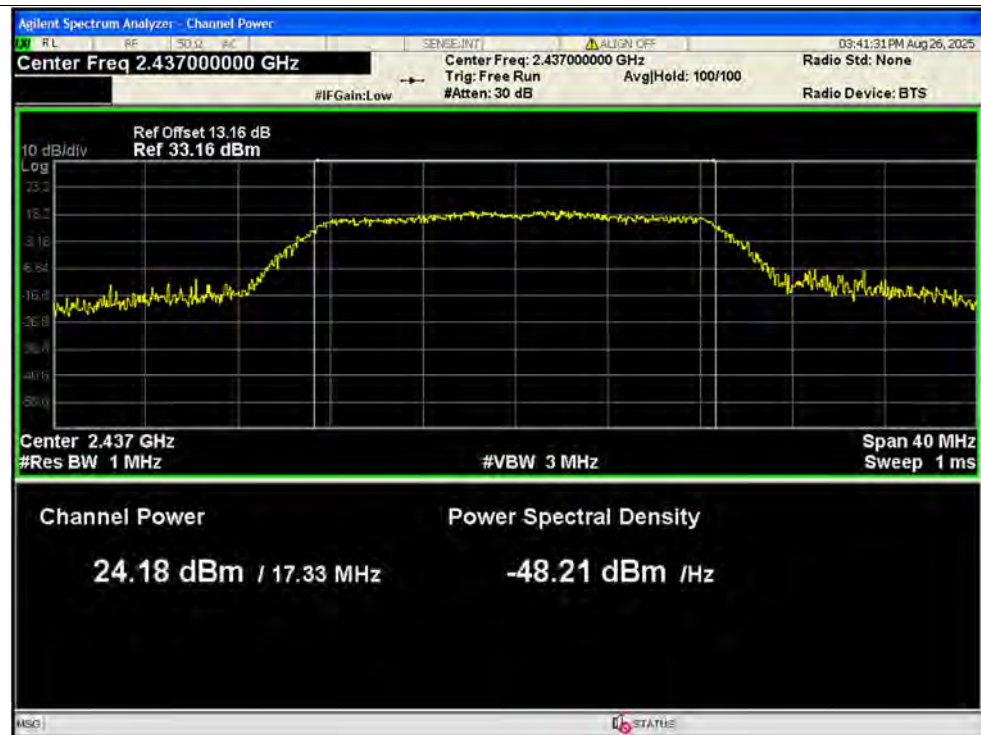
Peak Power NVNT g 2462MHz Ant1



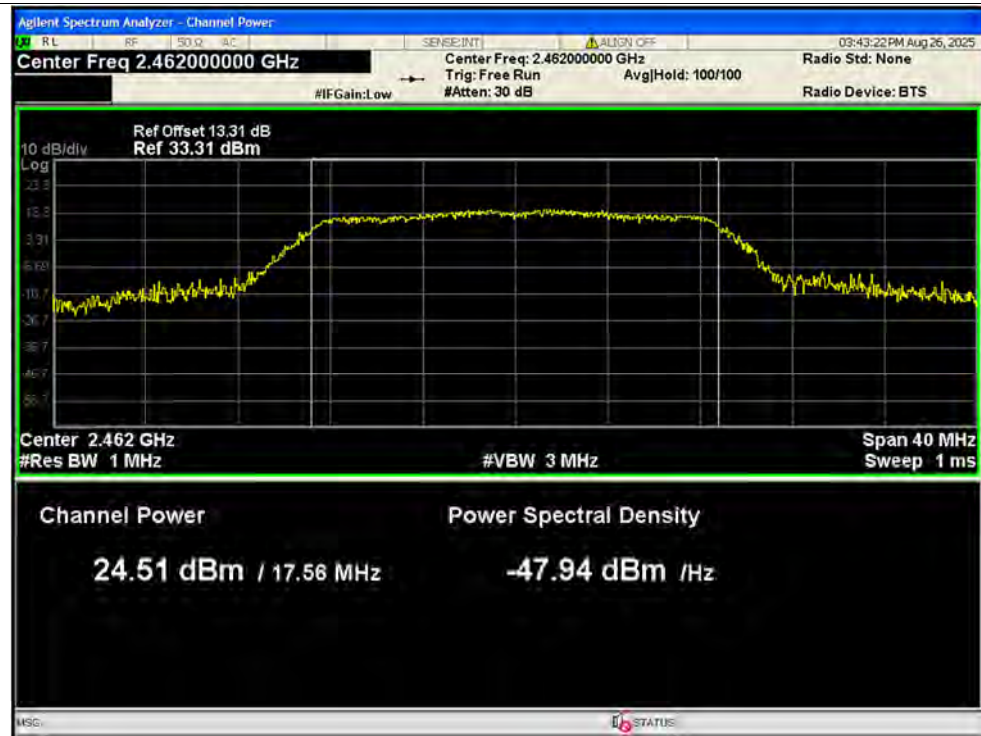
Peak Power NVNT n20 2412MHz Ant1



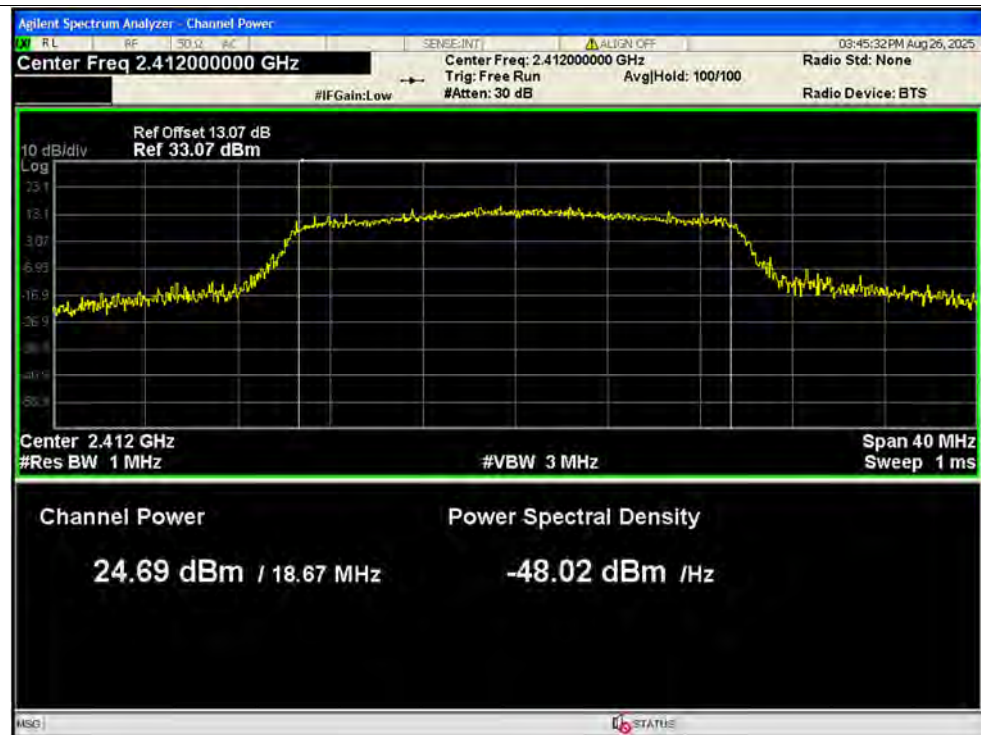
Peak Power NVNT n20 2437MHz Ant1



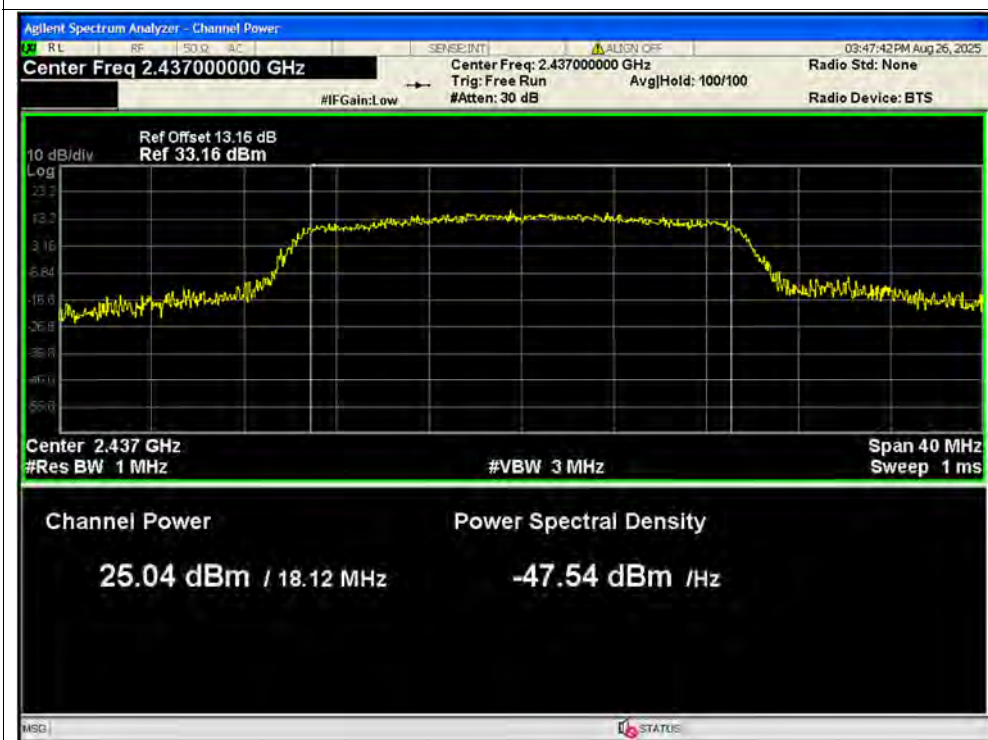
Peak Power NVNT n20 2462MHz Ant1



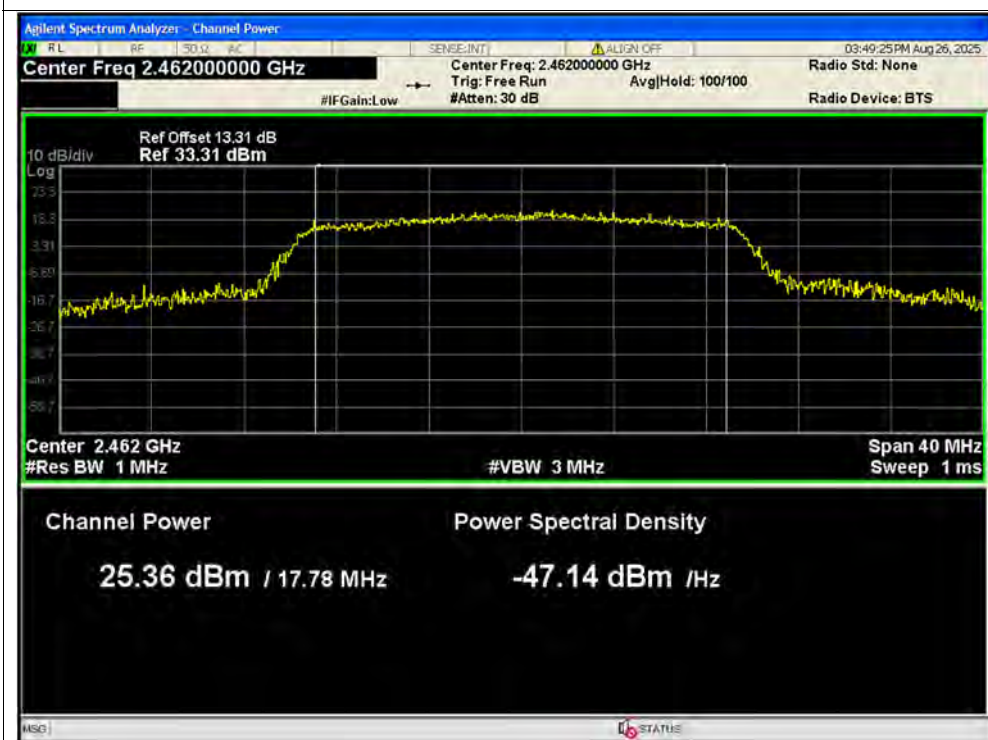
Peak Power NVNT ax20 2412MHz Ant1



Peak Power NVNT ax20 2437MHz Ant1



Peak Power NVNT ax20 2462MHz Ant1



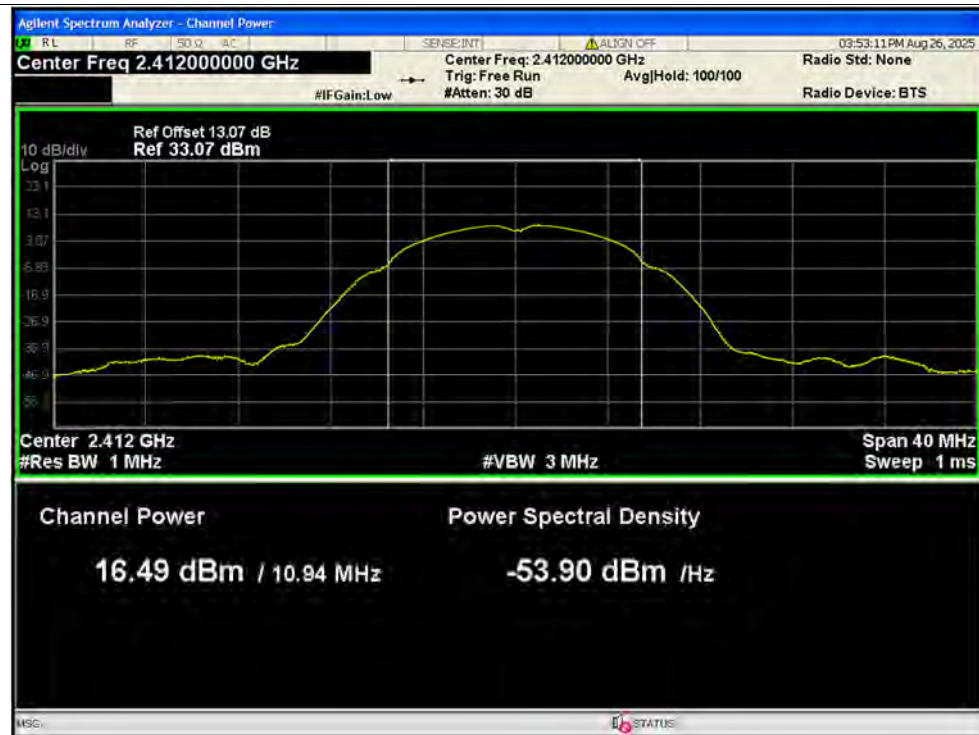
**A.3. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	16.49	0	16.49	0.04457	30	Pass
NVNT	b	2437	Ant1	16.47	0.05	16.52	0.04487	30	Pass
NVNT	b	2462	Ant1	16.78	0.05	16.83	0.04819	30	Pass
NVNT	g	2412	Ant1	16.32	0.06	16.38	0.04345	30	Pass
NVNT	g	2437	Ant1	16.83	0.06	16.89	0.04887	30	Pass
NVNT	g	2462	Ant1	17.25	0.06	17.31	0.05383	30	Pass
NVNT	n20	2412	Ant1	16.18	0.31	16.49	0.04457	30	Pass
NVNT	n20	2437	Ant1	16.79	0.32	17.11	0.0514	30	Pass
NVNT	n20	2462	Ant1	17.06	0.32	17.38	0.0547	30	Pass
NVNT	ax20	2412	Ant1	16.49	0.41	16.9	0.04898	30	Pass
NVNT	ax20	2437	Ant1	16.87	0.4	17.27	0.05333	30	Pass
NVNT	ax20	2462	Ant1	17.35	0.41	17.76	0.0597	30	Pass

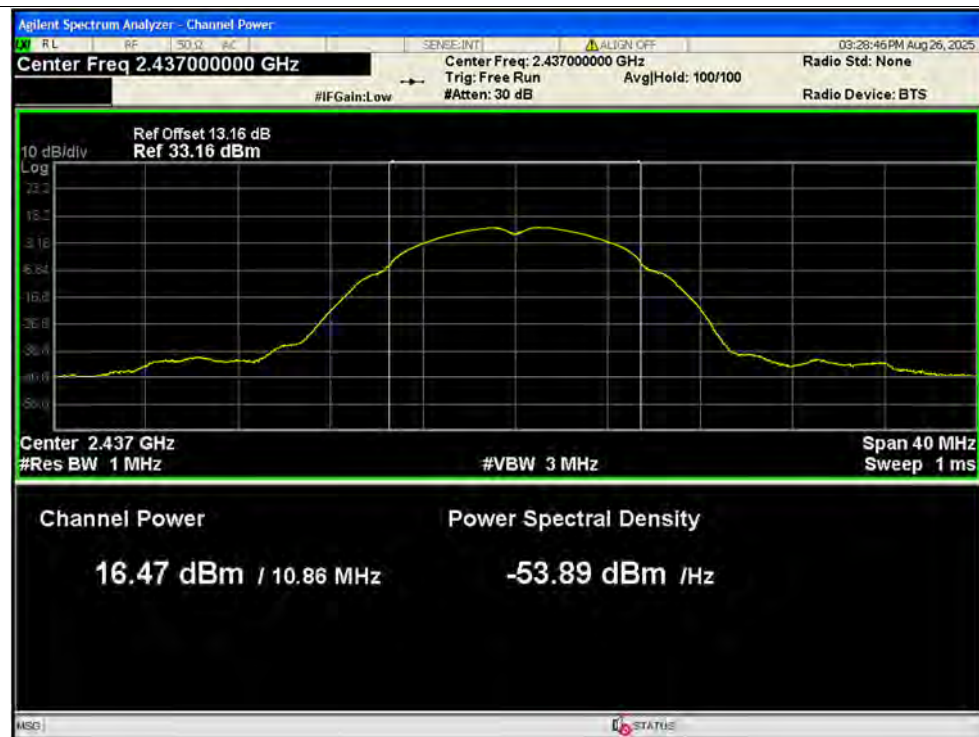


Test Graphs

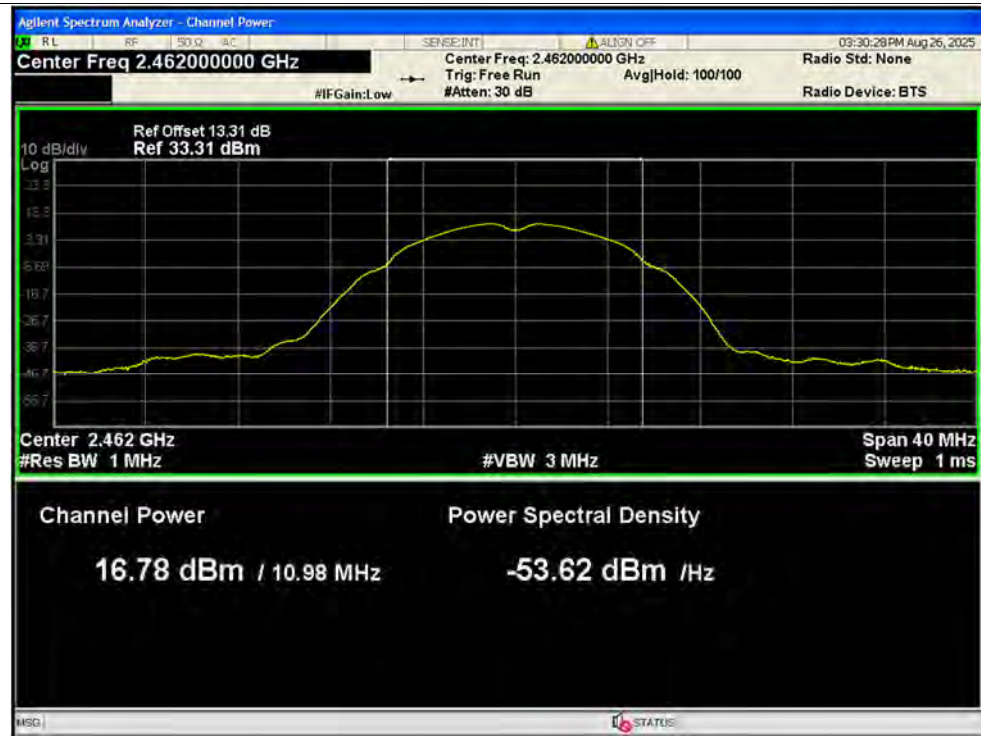
Average Power NVNT b 2412MHz Ant1



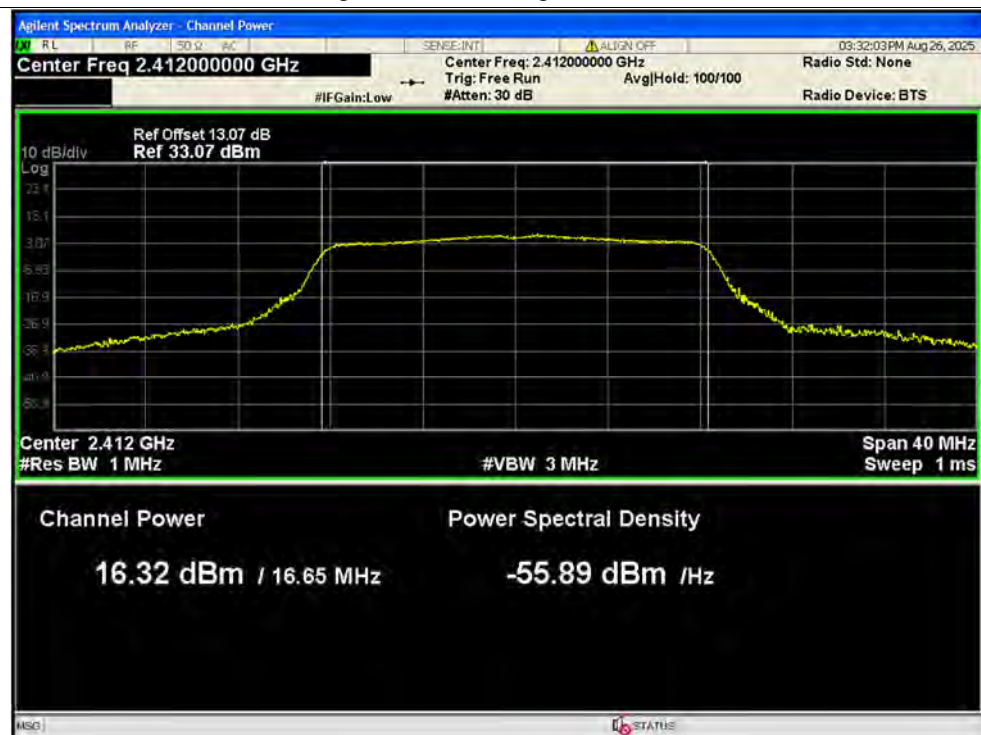
Average Power NVNT b 2437MHz Ant1



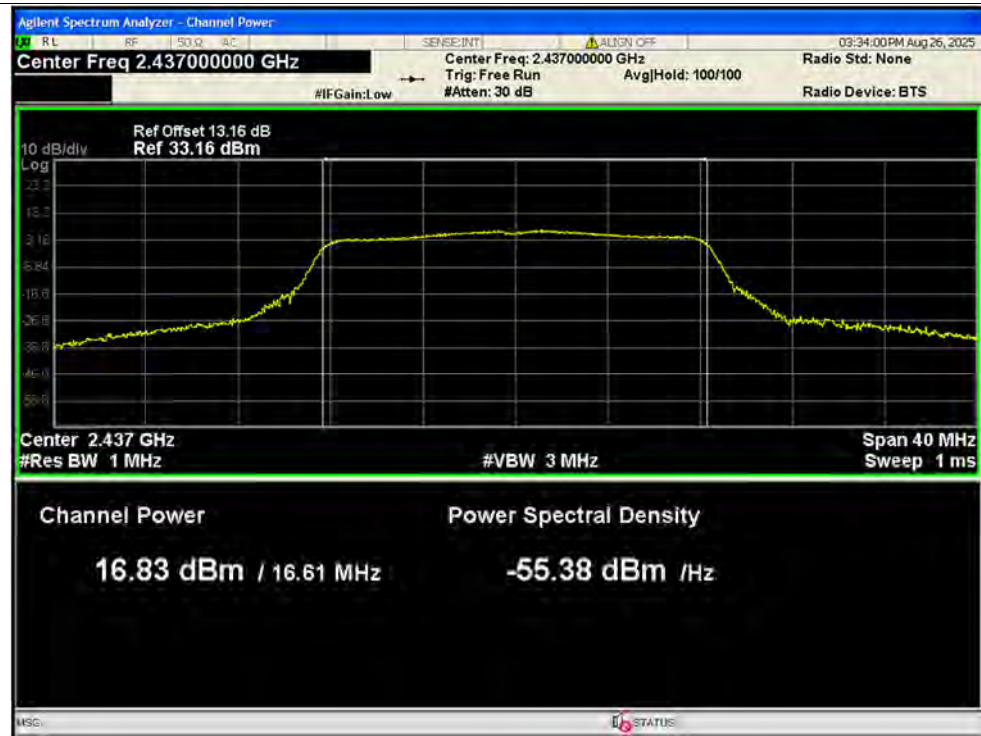
Average Power NVNT b 2462MHz Ant1



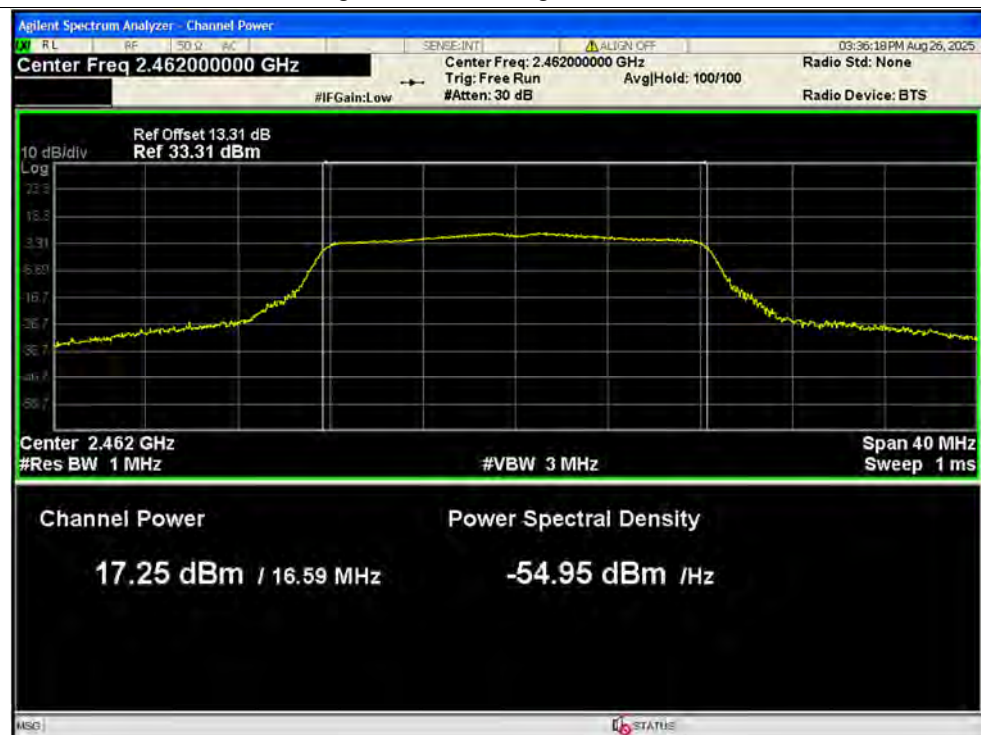
Average Power NVNT g 2412MHz Ant1



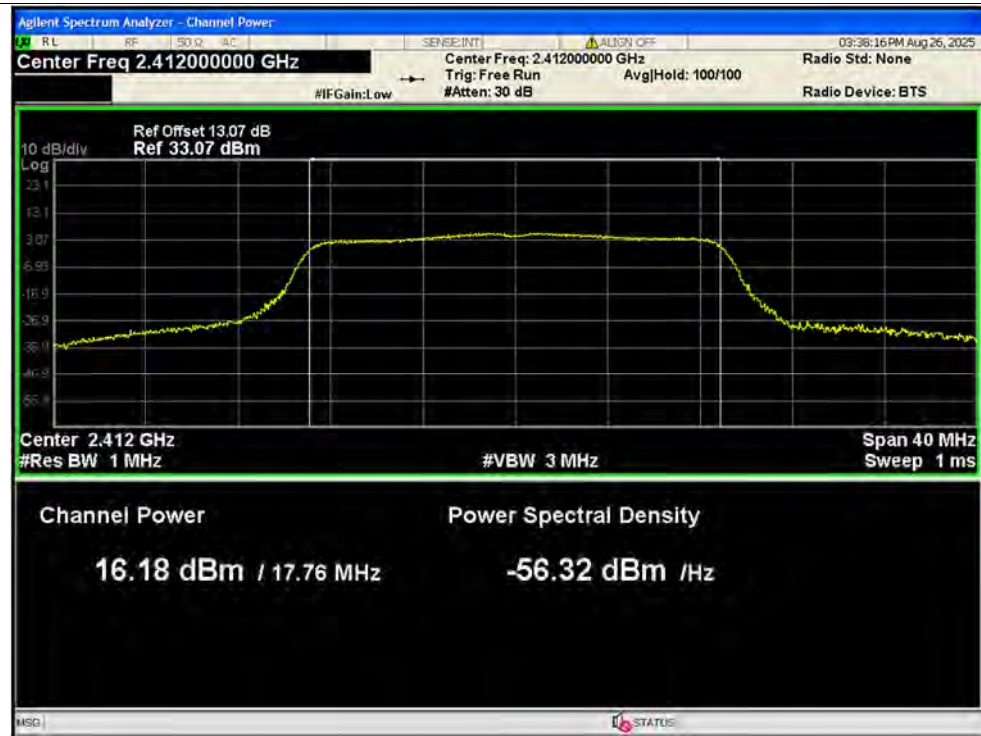
Average Power NVNT g 2437MHz Ant1



Average Power NVNT g 2462MHz Ant1



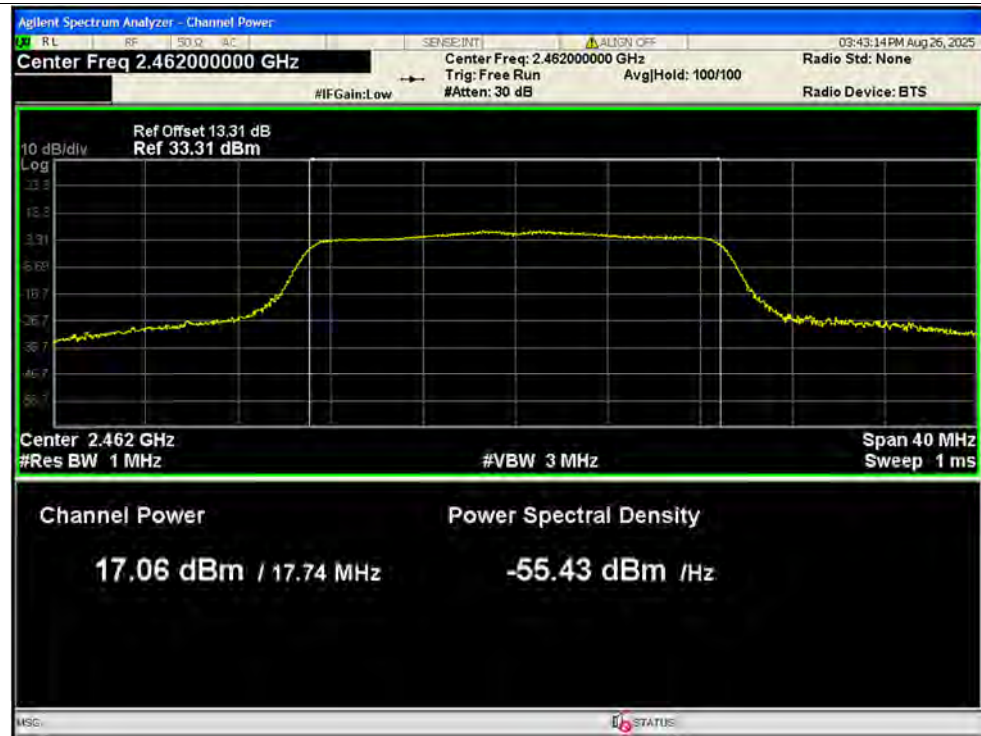
Average Power NVNT n20 2412MHz Ant1



Average Power NVNT n20 2437MHz Ant1



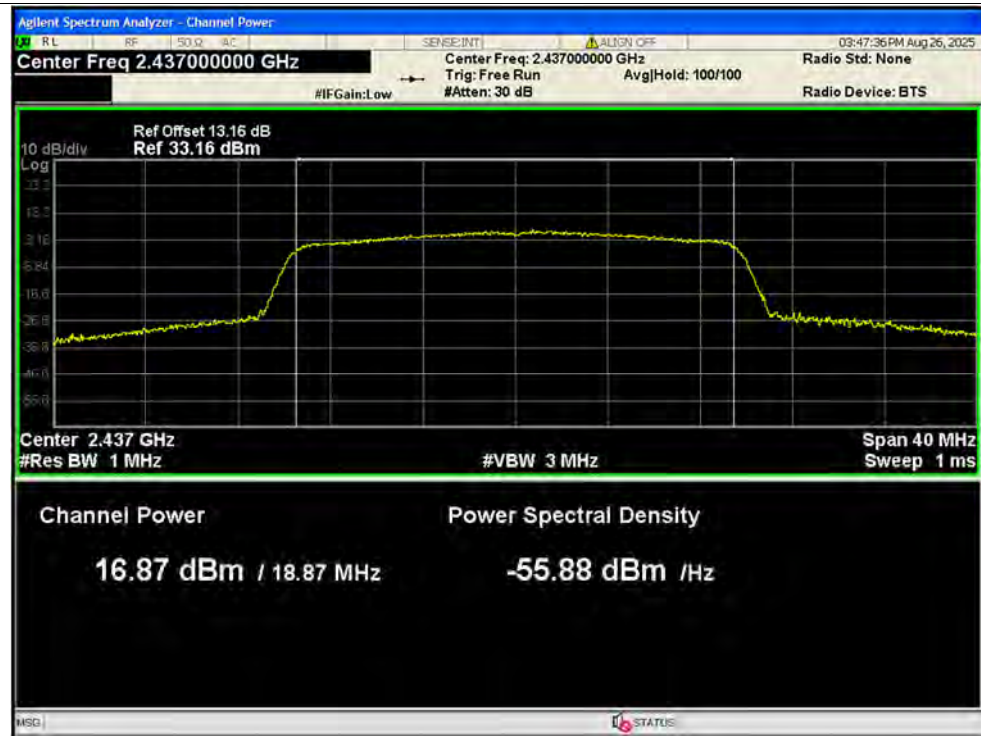
Average Power NVNT n20 2462MHz Ant1



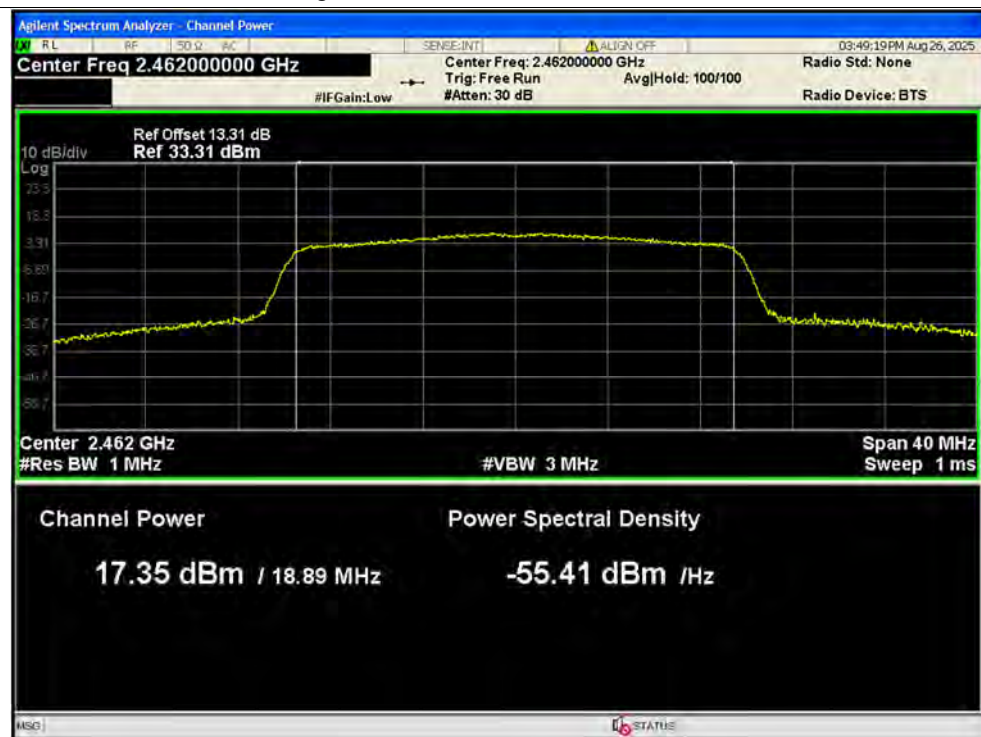
Average Power NVNT ax20 2412MHz Ant1



Average Power NVNT ax20 2437MHz Ant1



Average Power NVNT ax20 2462MHz Ant1



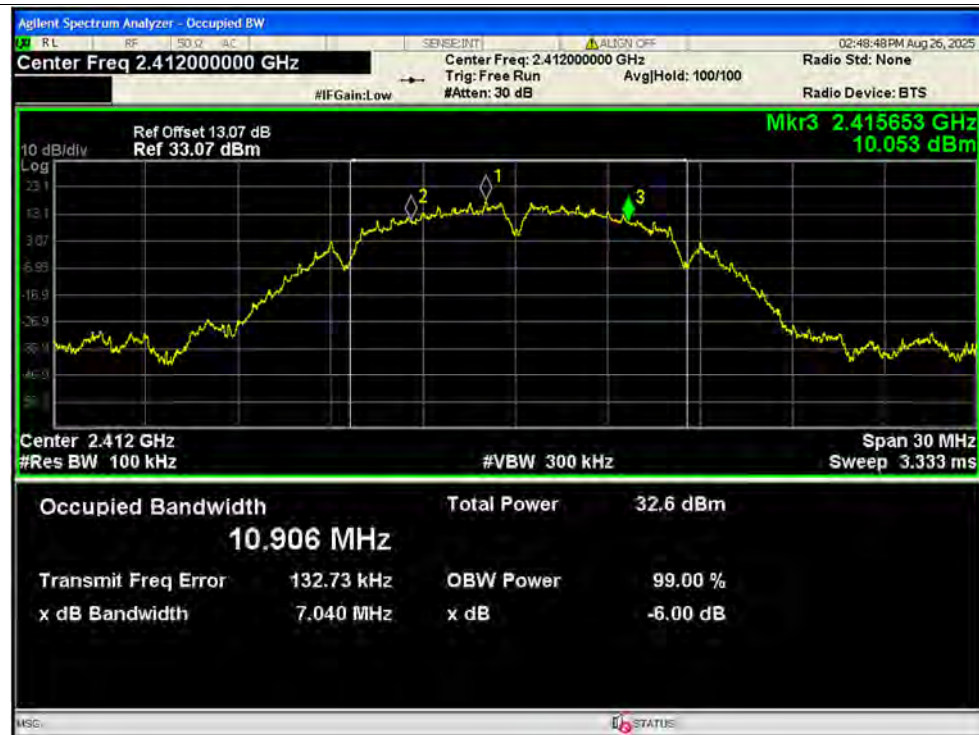
**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.04	0.5	Pass
NVNT	b	2437	Ant1	7.068	0.5	Pass
NVNT	b	2462	Ant1	8.013	0.5	Pass
NVNT	g	2412	Ant1	16.34	0.5	Pass
NVNT	g	2437	Ant1	16.38	0.5	Pass
NVNT	g	2462	Ant1	16.35	0.5	Pass
NVNT	n20	2412	Ant1	17.55	0.5	Pass
NVNT	n20	2437	Ant1	17.33	0.5	Pass
NVNT	n20	2462	Ant1	17.56	0.5	Pass
NVNT	ax20	2412	Ant1	18.67	0.5	Pass
NVNT	ax20	2437	Ant1	18.12	0.5	Pass
NVNT	ax20	2462	Ant1	17.78	0.5	Pass



Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



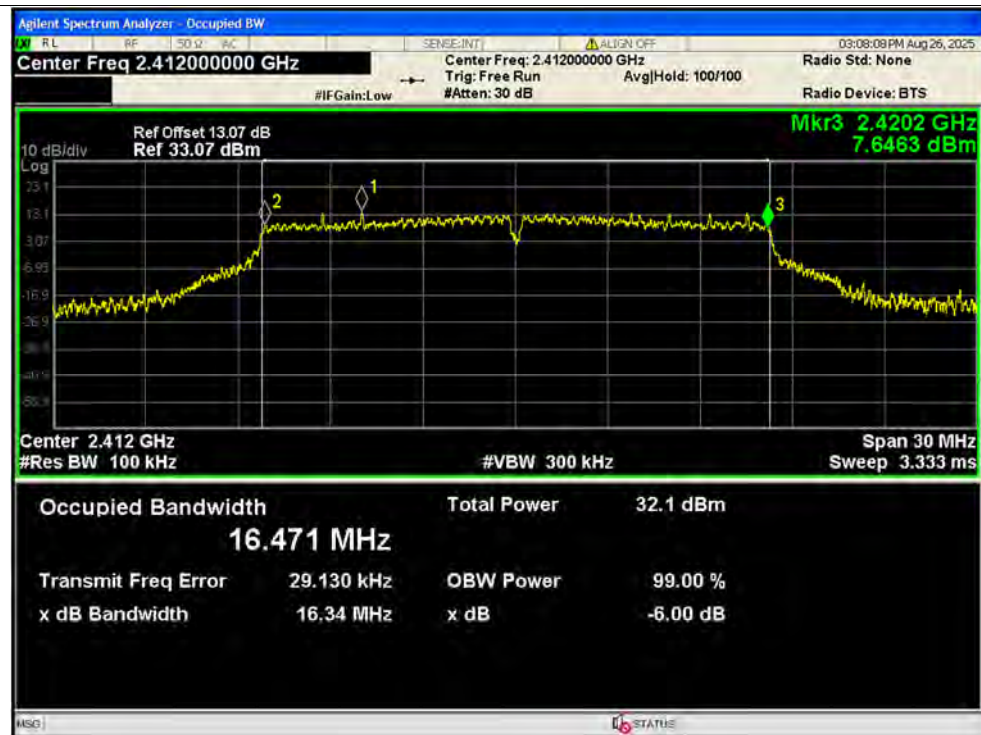
-6dB Bandwidth NVNT b 2437MHz Ant1



-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1

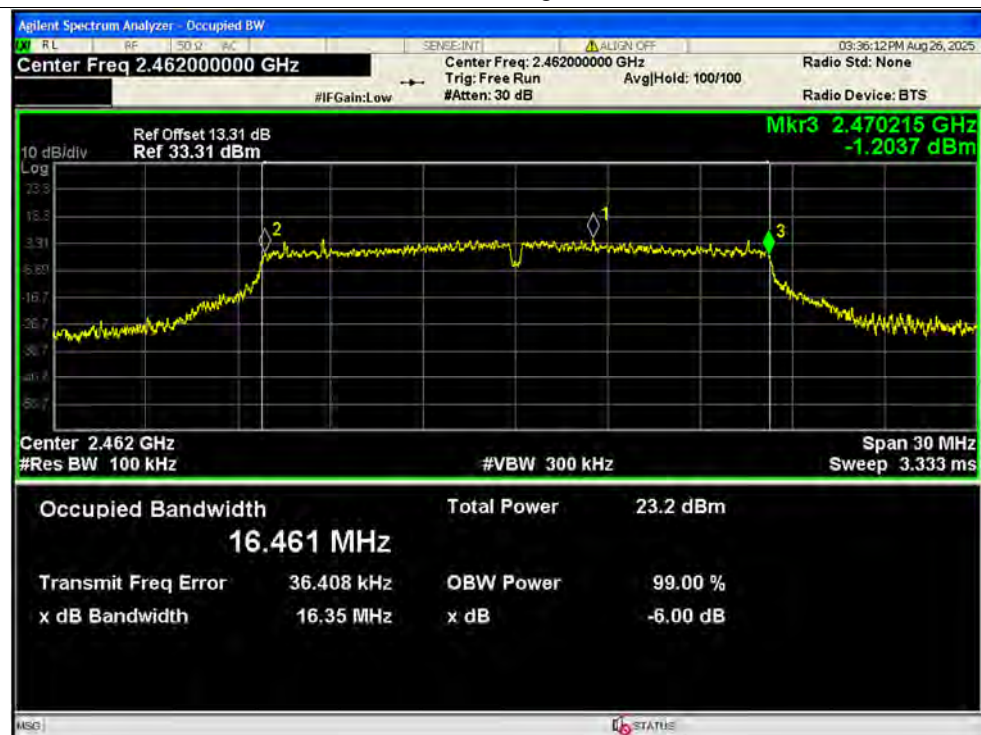




-6dB Bandwidth NVNT g 2437MHz Ant1

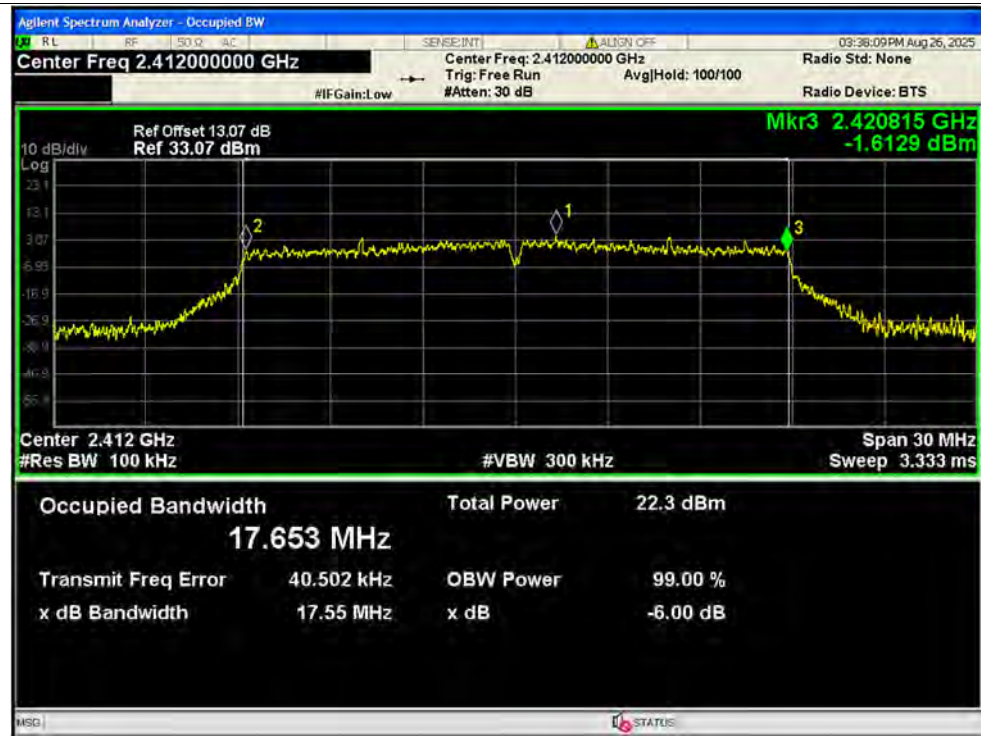


-6dB Bandwidth NVNT g 2462MHz Ant1





-6dB Bandwidth NVNT n20 2412MHz Ant1

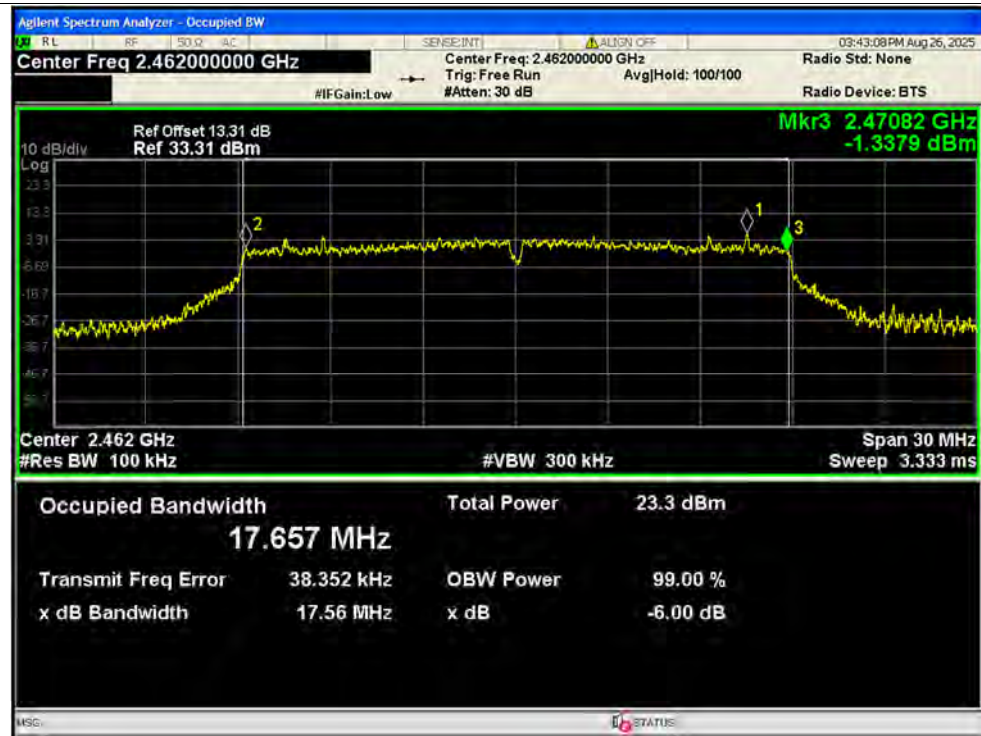


-6dB Bandwidth NVNT n20 2437MHz Ant1

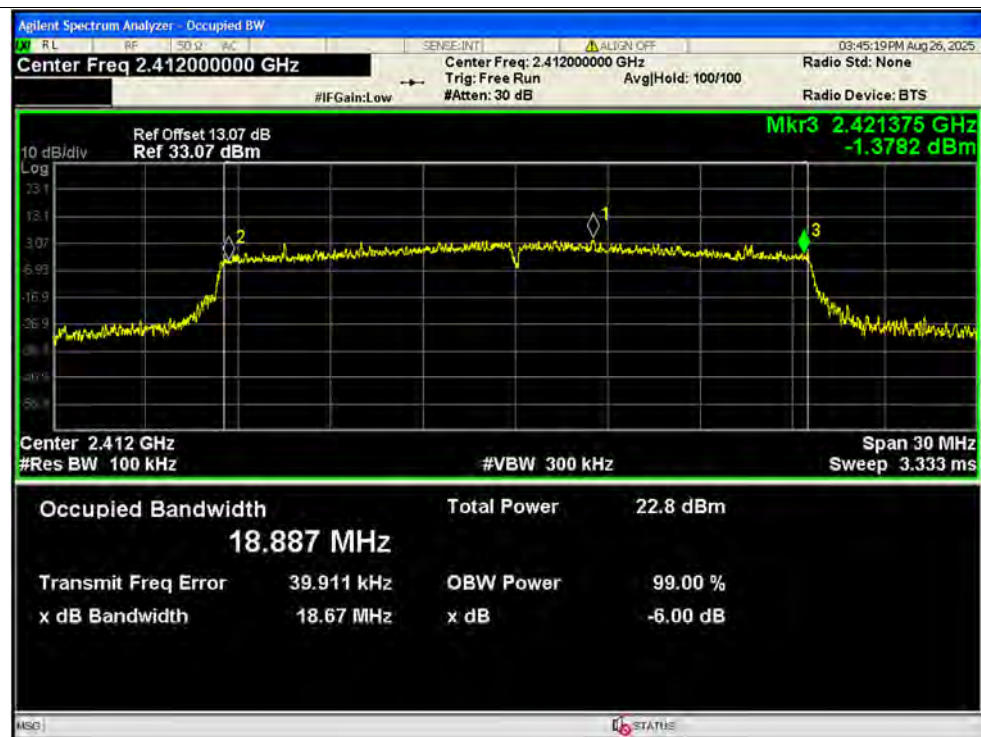




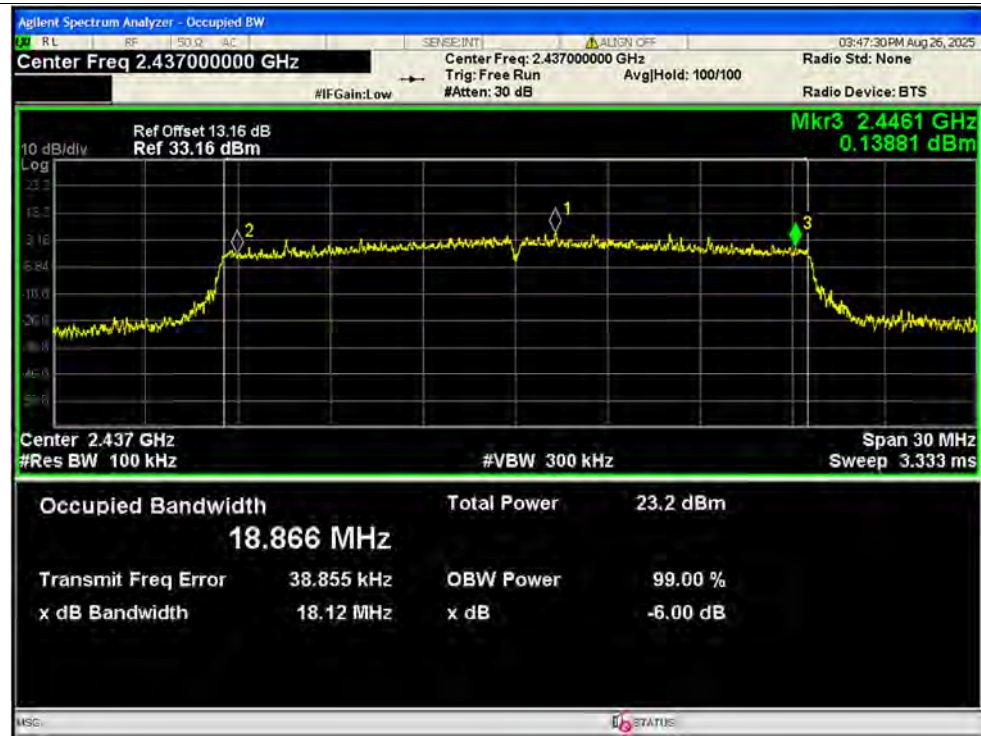
-6dB Bandwidth NVNT n20 2462MHz Ant1



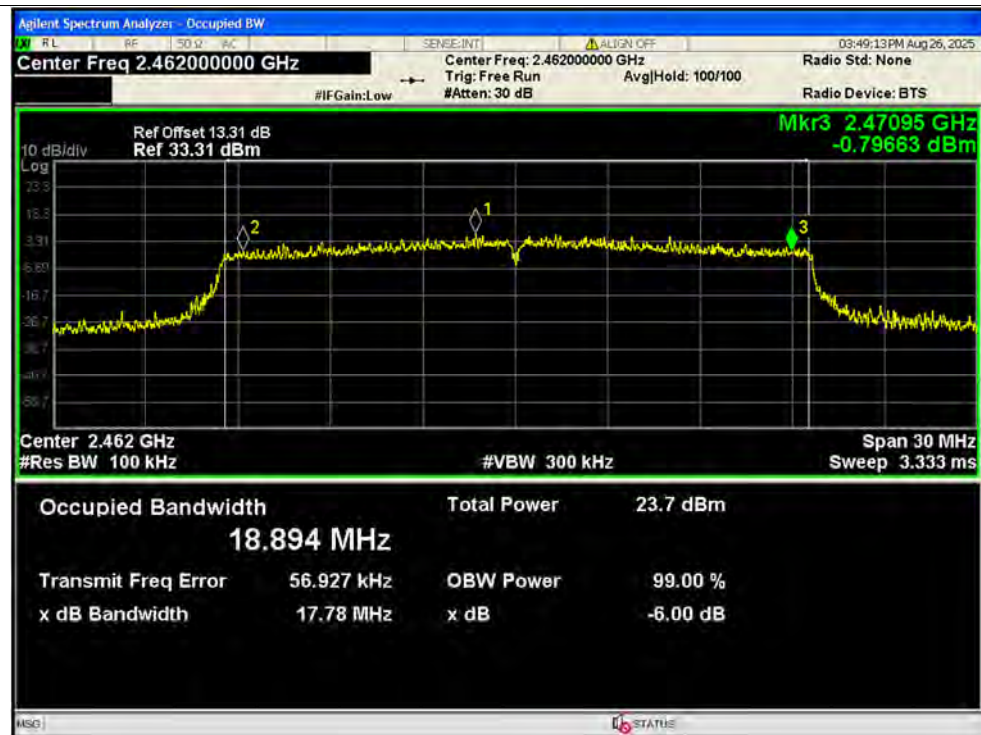
-6dB Bandwidth NVNT ax20 2412MHz Ant1



-6dB Bandwidth NVNT ax20 2437MHz Ant1



-6dB Bandwidth NVNT ax20 2462MHz Ant1



**A.5. Conducted Spurious Emissions**

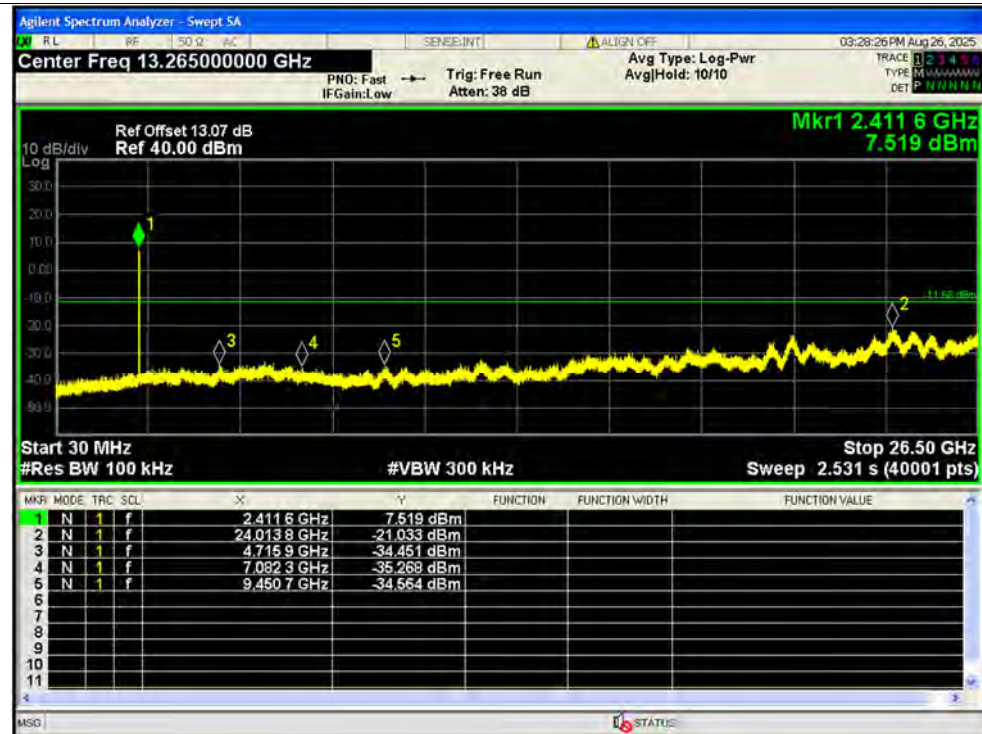
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-29.35	-20	Pass
NVNT	b	2437	Ant1	-29.97	-20	Pass
NVNT	b	2462	Ant1	-30.01	-20	Pass
NVNT	g	2412	Ant1	-33.46	-20	Pass
NVNT	g	2437	Ant1	-33.11	-20	Pass
NVNT	g	2462	Ant1	-33.76	-20	Pass
NVNT	n20	2412	Ant1	-33.3	-20	Pass
NVNT	n20	2437	Ant1	-33.83	-20	Pass
NVNT	n20	2462	Ant1	-34.48	-20	Pass
NVNT	ax20	2412	Ant1	-34.23	-20	Pass
NVNT	ax20	2437	Ant1	-34.77	-20	Pass
NVNT	ax20	2462	Ant1	-35.08	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



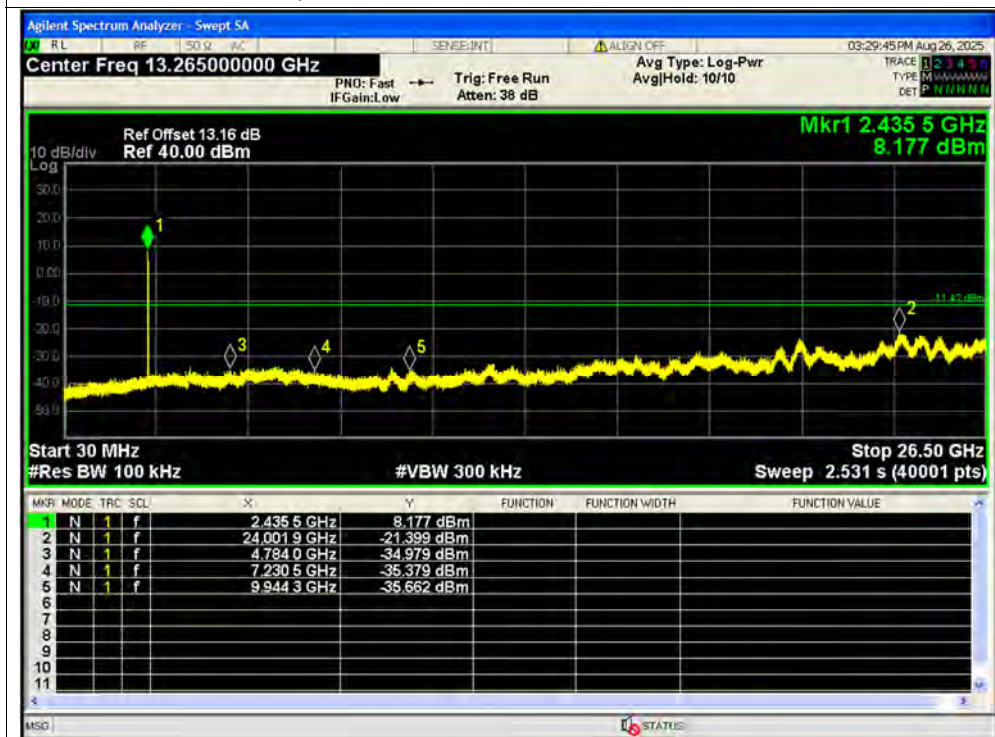
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



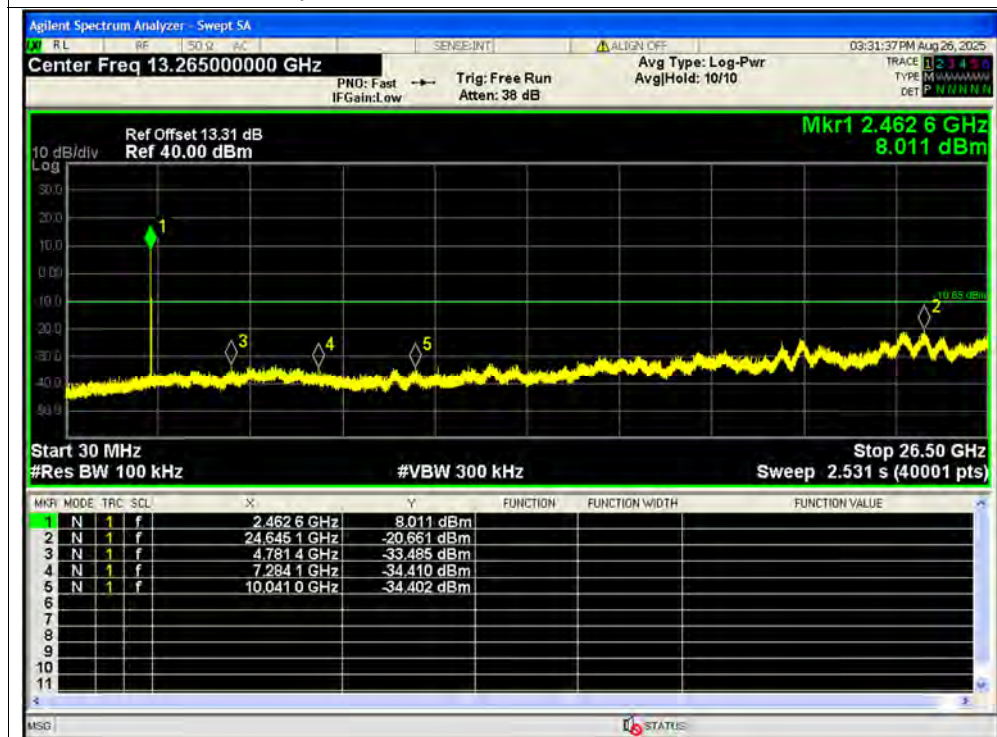
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



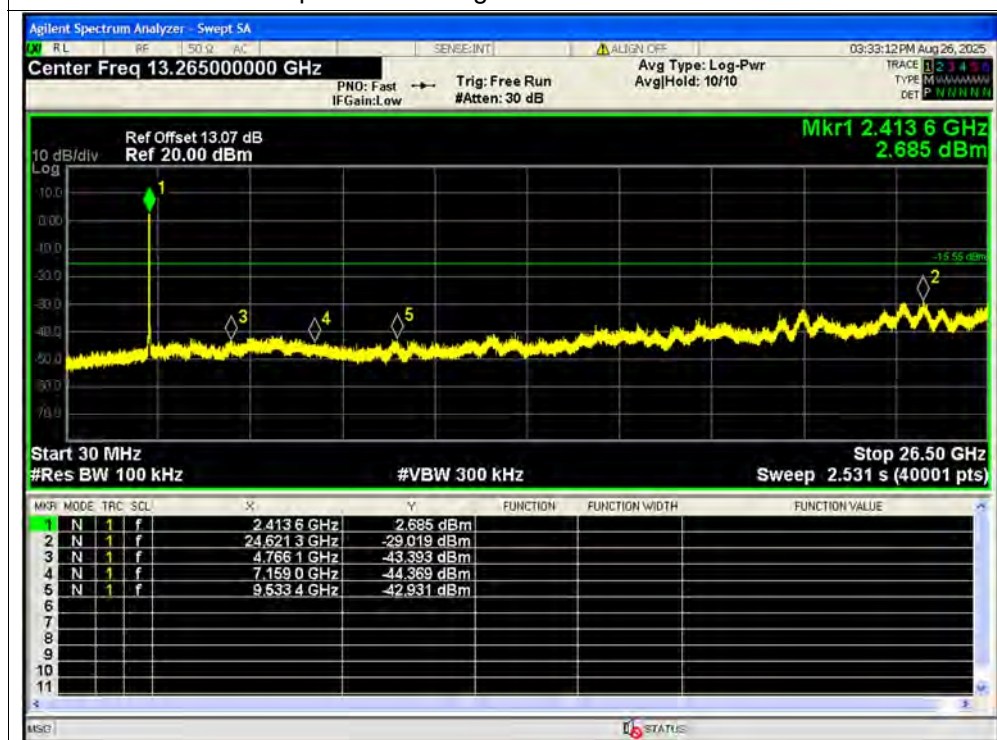
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



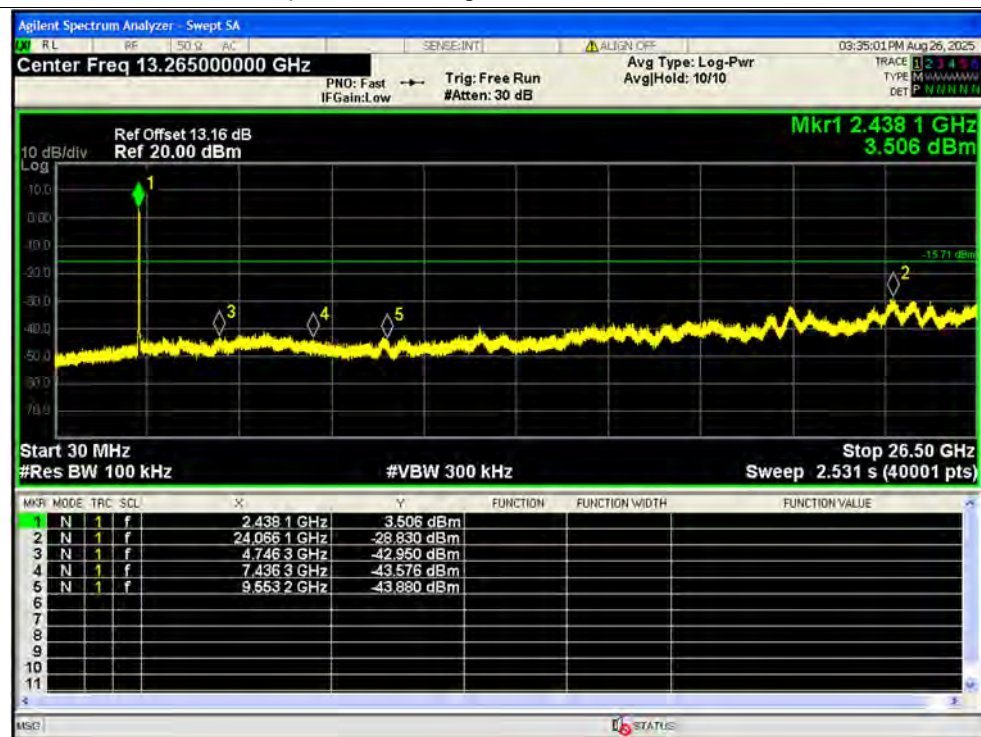
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref



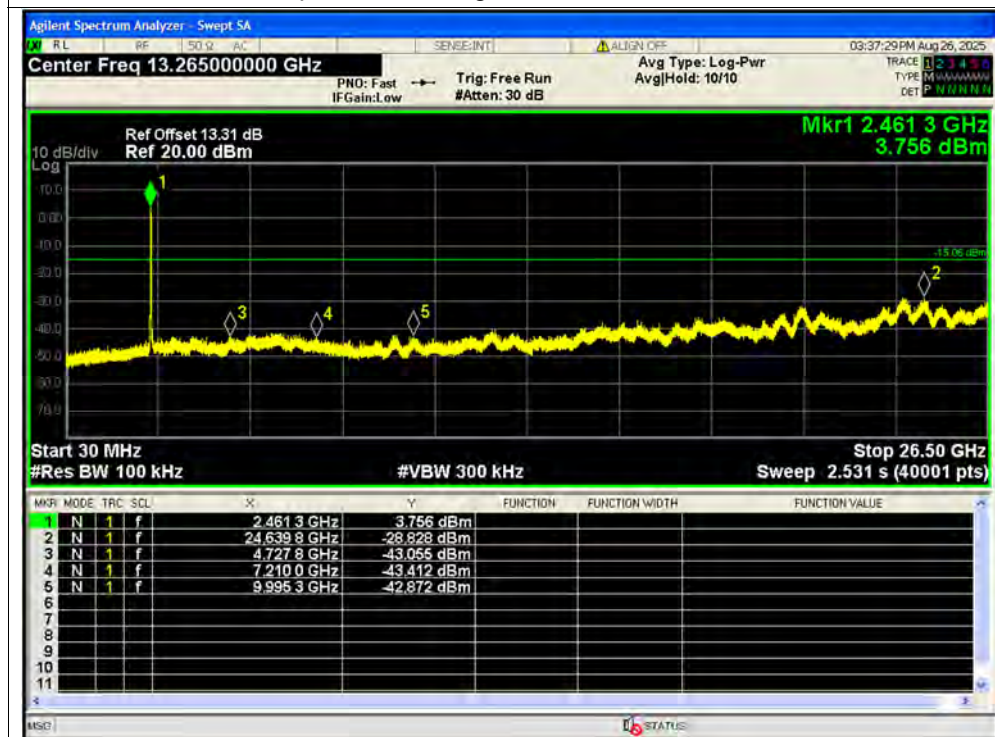
Tx. Spurious NVNT g 2437MHz Ant1 Emission



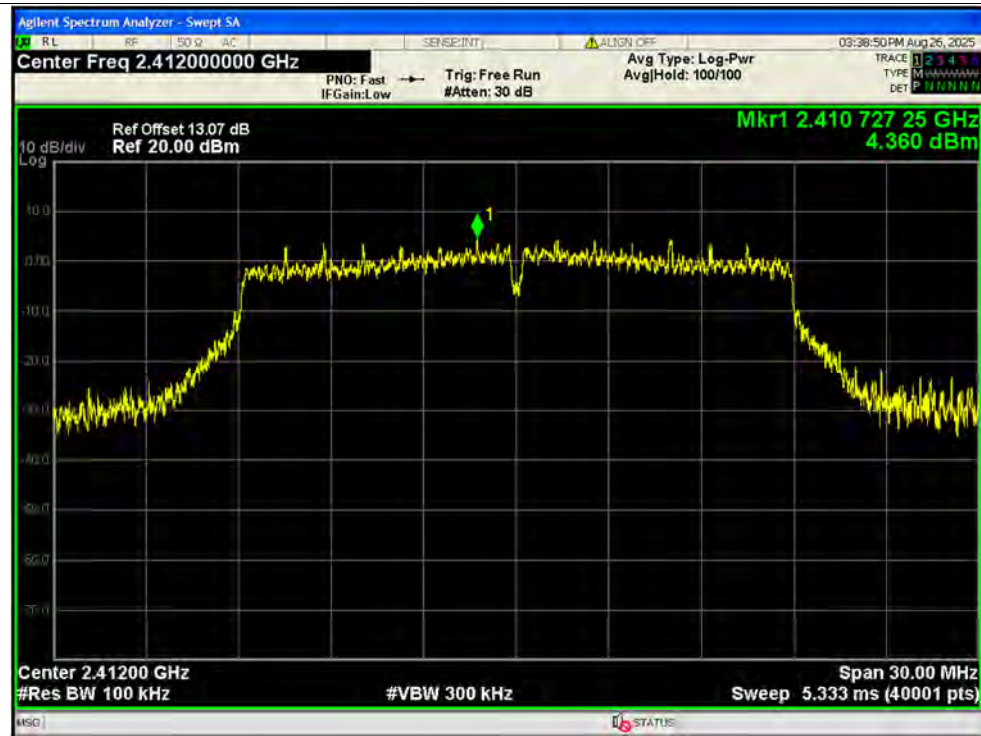
Tx. Spurious NVNT g 2462MHz Ant1 Ref



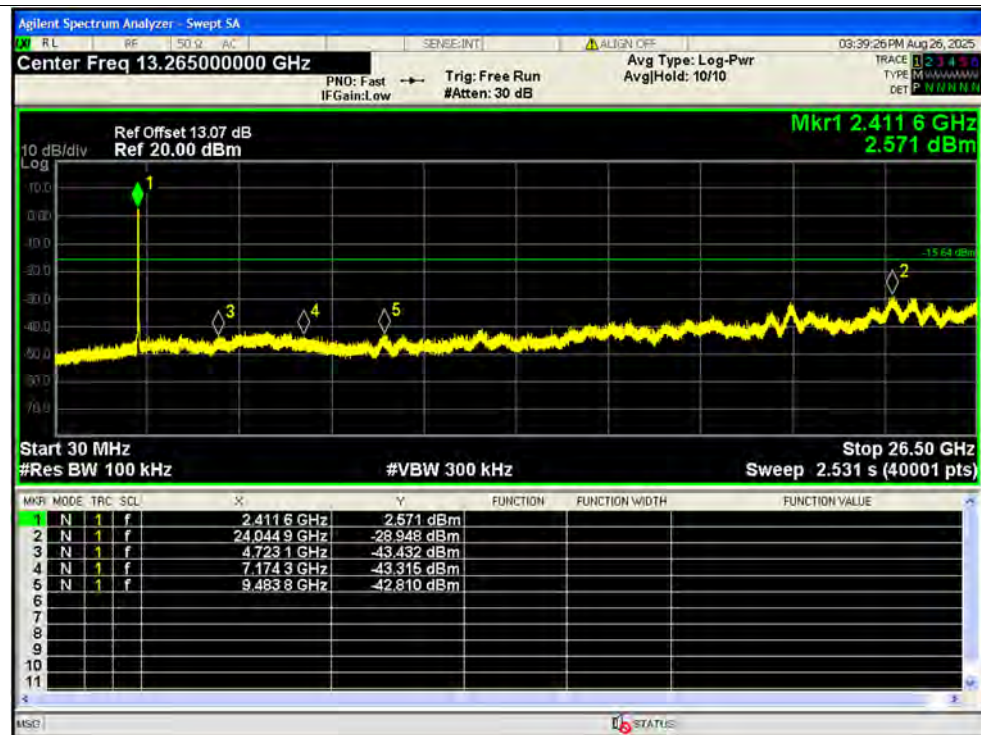
Tx. Spurious NVNT g 2462MHz Ant1 Emission



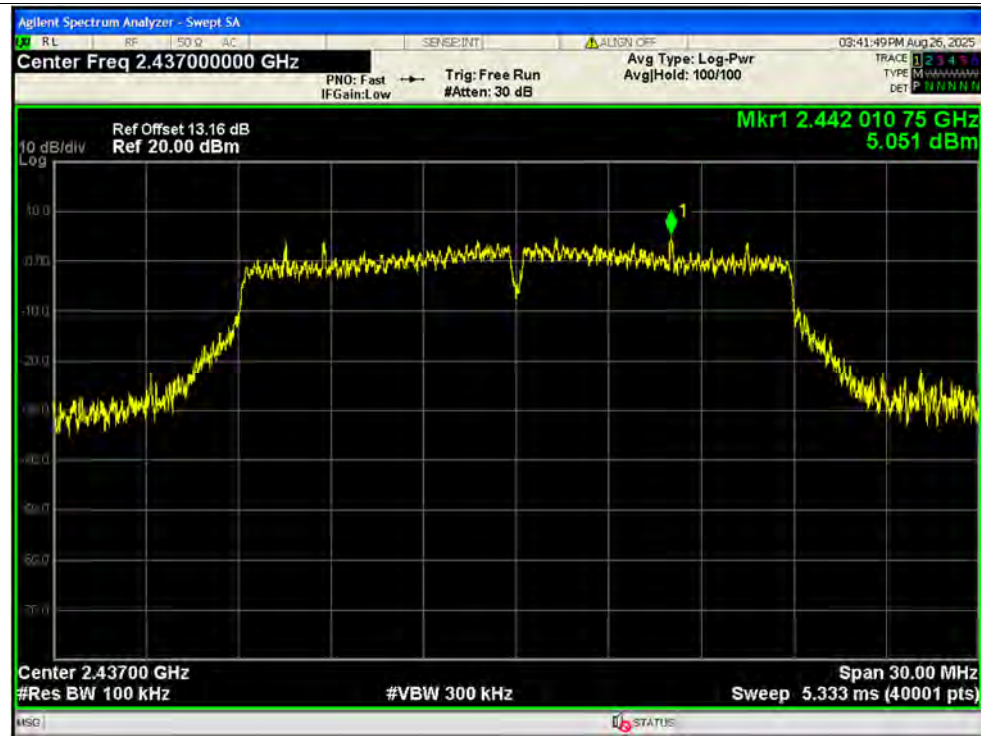
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



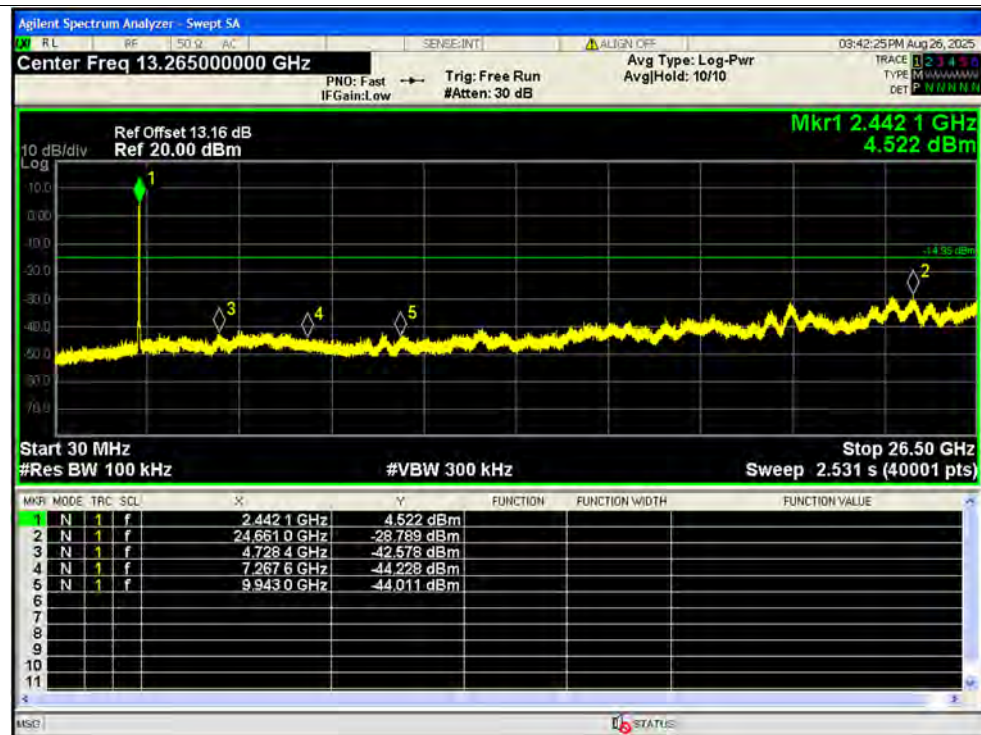
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



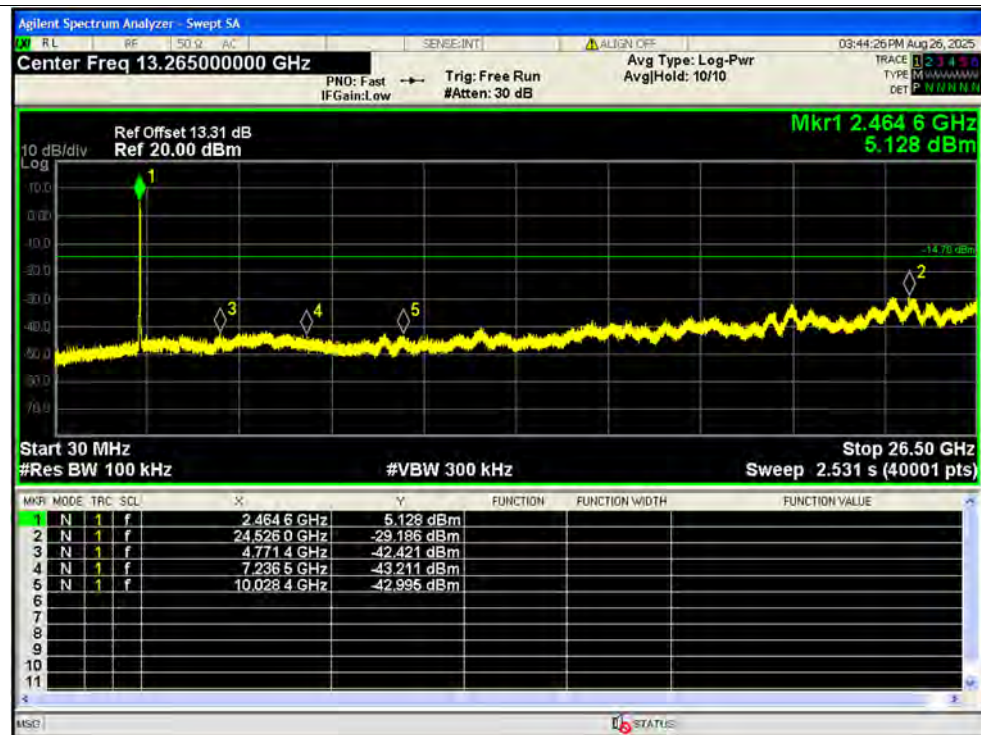
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



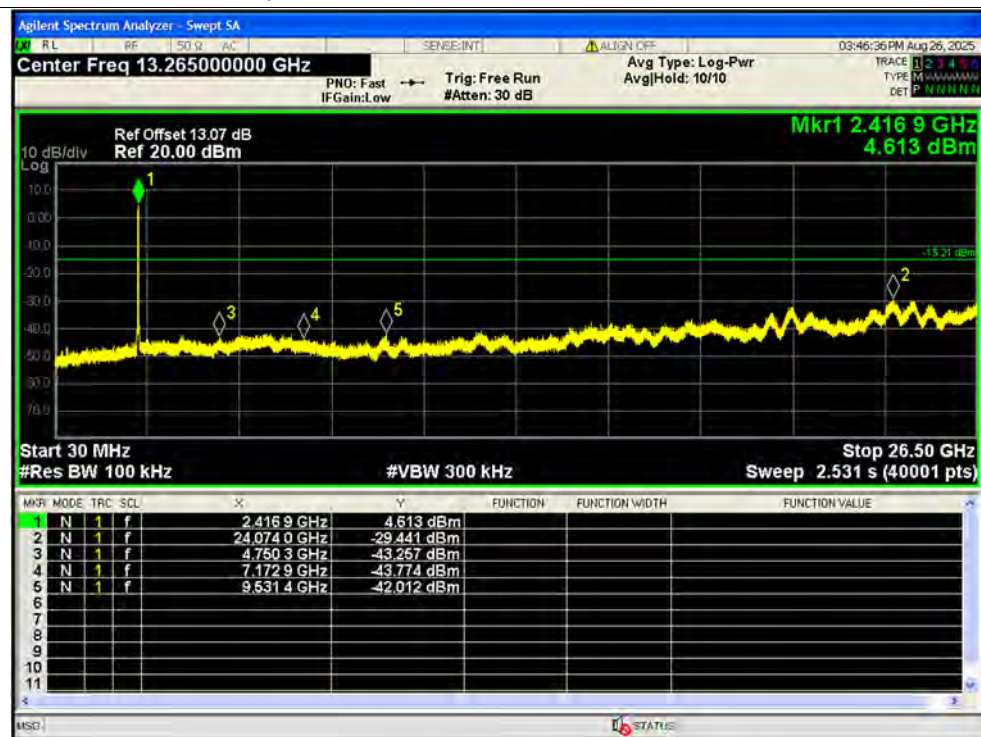
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



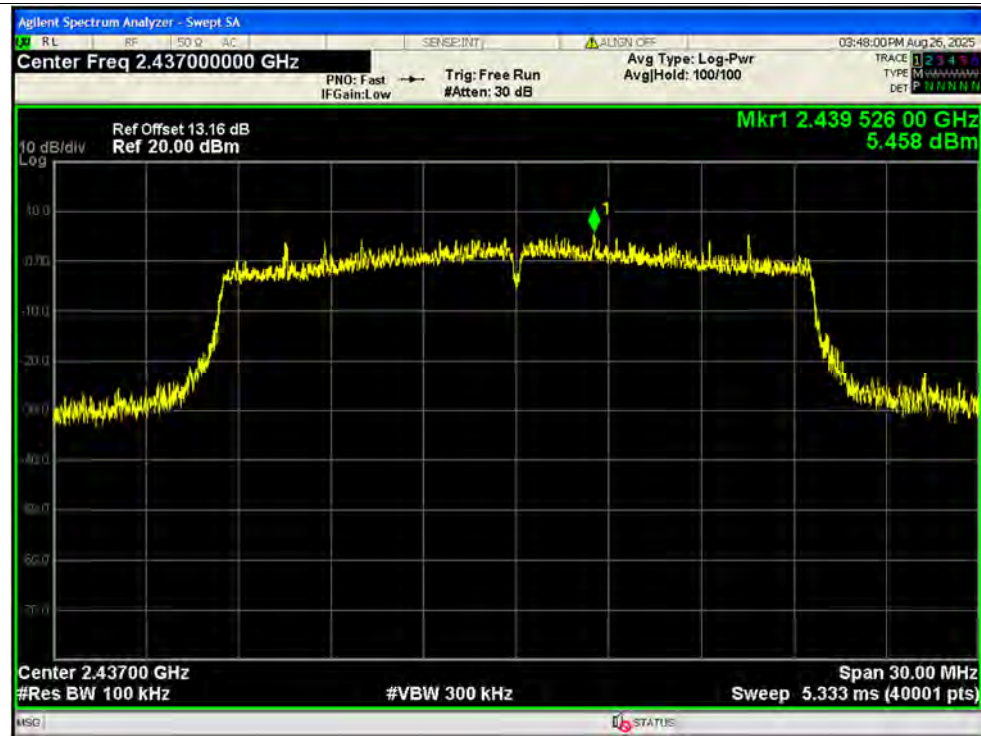
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



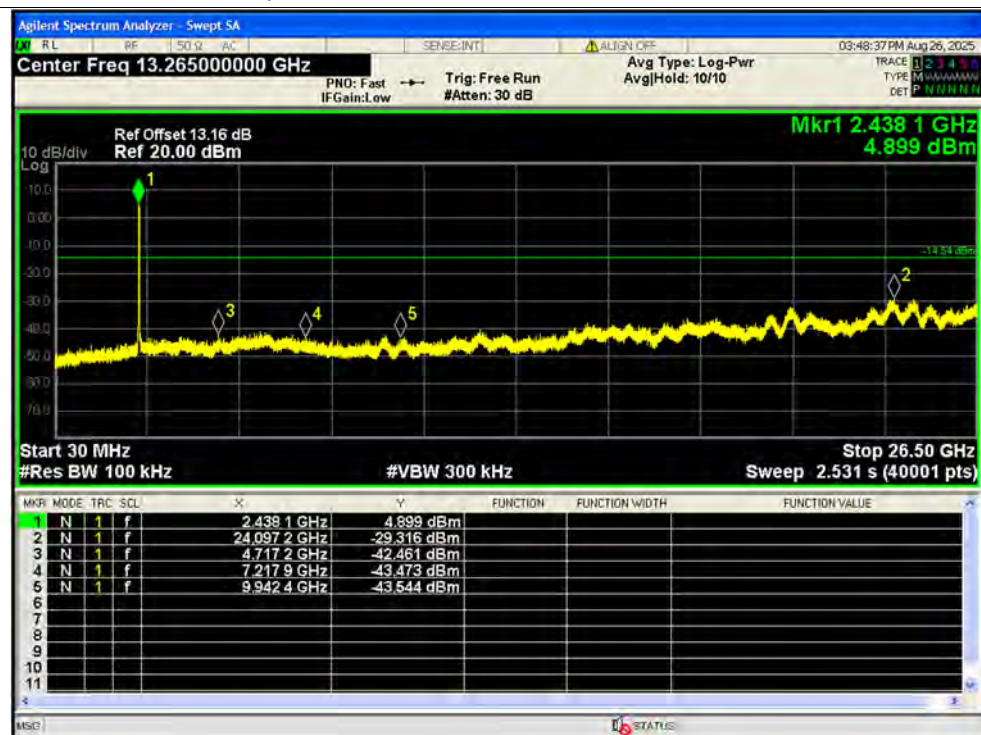
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



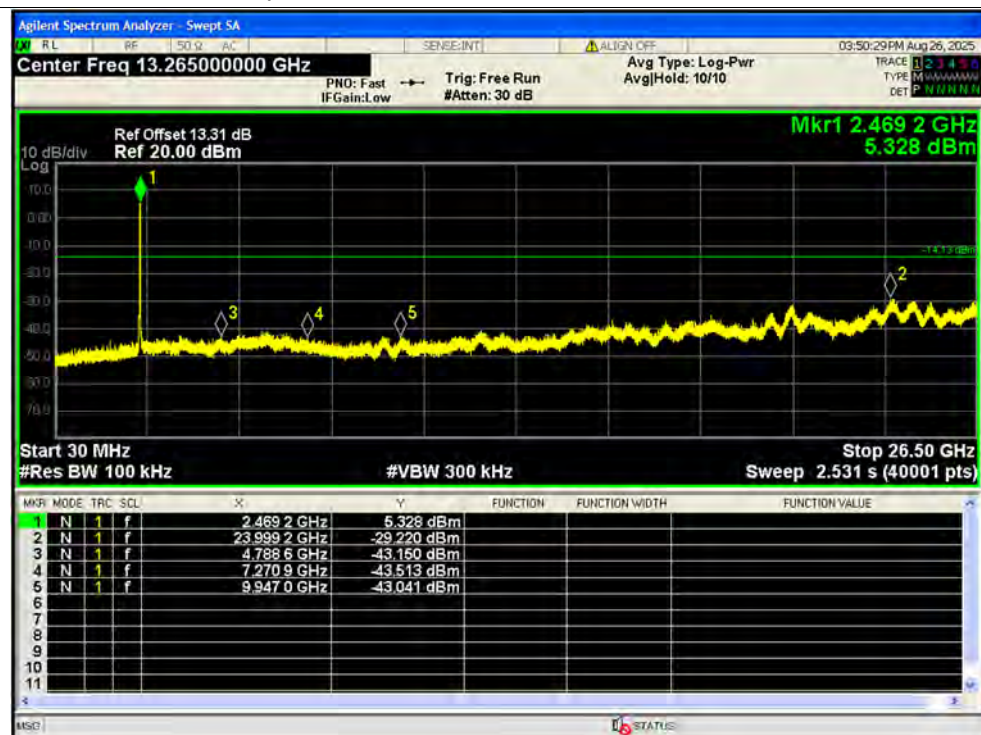
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



**A.6. Band Edge**

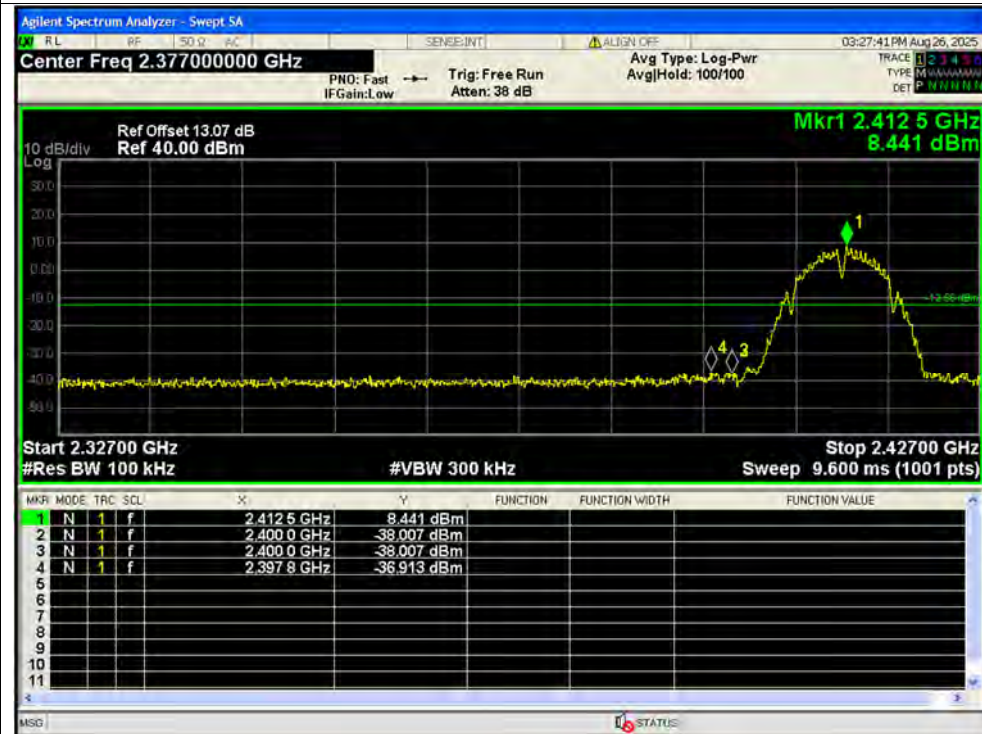
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.35	-20	Pass
NVNT	b	2462	Ant1	-47.49	-20	Pass
NVNT	g	2412	Ant1	-29.66	-20	Pass
NVNT	g	2462	Ant1	-38.04	-20	Pass
NVNT	n20	2412	Ant1	-31.23	-20	Pass
NVNT	n20	2462	Ant1	-35.5	-20	Pass
NVNT	ax20	2412	Ant1	-31.41	-20	Pass
NVNT	ax20	2462	Ant1	-37.47	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



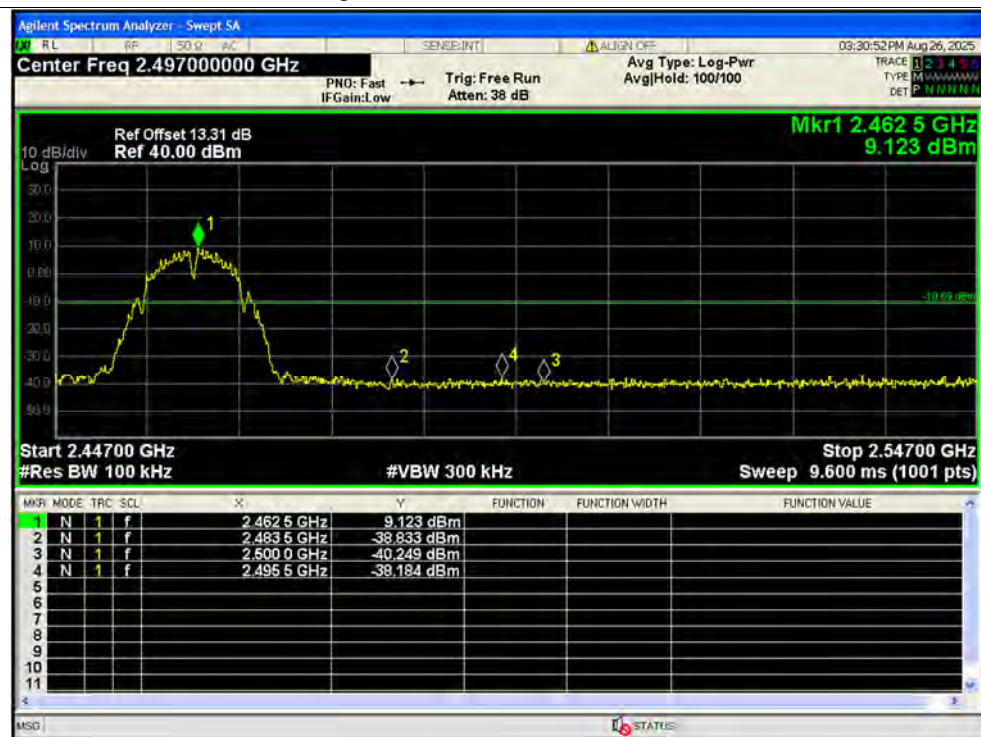
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



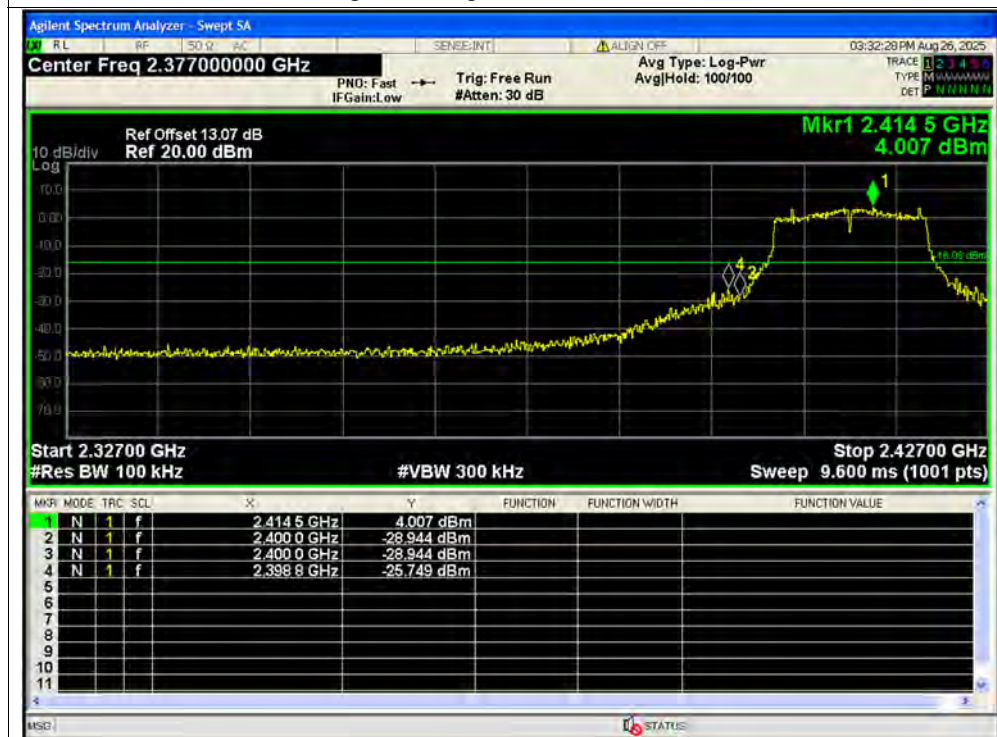
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



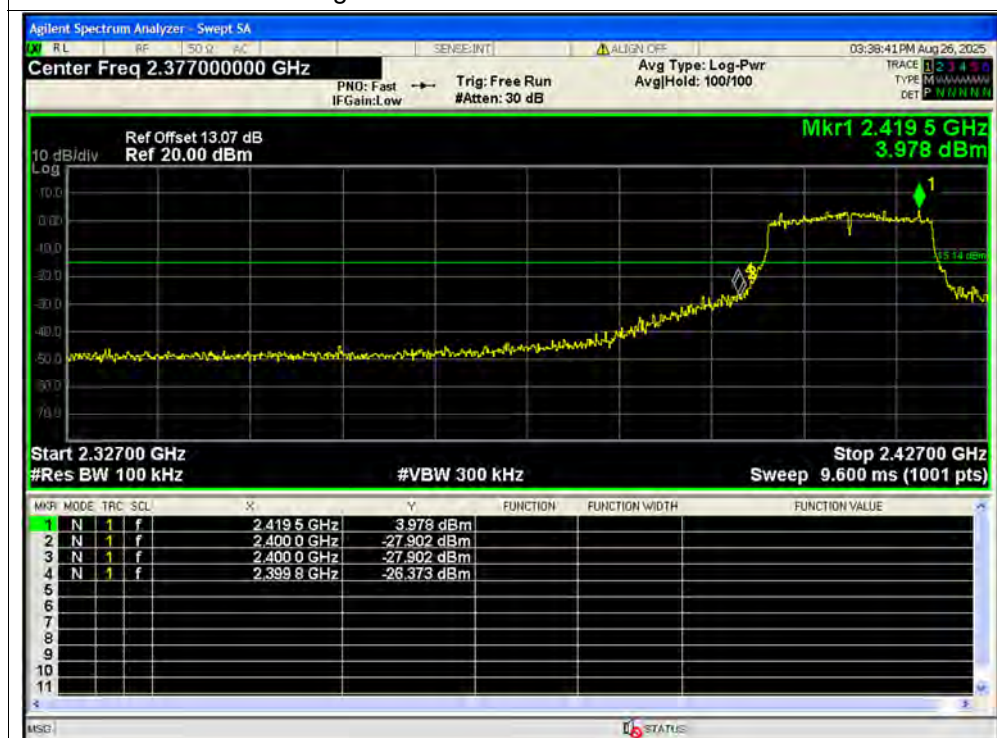
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission





Band Edge NVNT ax20 2412MHz Ant1 Ref



Band Edge NVNT ax20 2412MHz Ant1 Emission



Band Edge NVNT ax20 2462MHz Ant1 Ref



Band Edge NVNT ax20 2462MHz Ant1 Emission



**A.7. Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-6.71	0	-6.71	8	Pass
NVNT	b	2437	Ant1	-4.74	0	-4.74	8	Pass
NVNT	b	2462	Ant1	-5.63	0	-5.63	8	Pass
NVNT	g	2412	Ant1	-8.71	0	-8.71	8	Pass
NVNT	g	2437	Ant1	-8.15	0	-8.15	8	Pass
NVNT	g	2462	Ant1	-7.7	0	-7.7	8	Pass
NVNT	n20	2412	Ant1	-8.28	0	-8.28	8	Pass
NVNT	n20	2437	Ant1	-8.06	0	-8.06	8	Pass
NVNT	n20	2462	Ant1	-7.25	0	-7.25	8	Pass
NVNT	ax20	2412	Ant1	-8.8	0	-8.8	8	Pass
NVNT	ax20	2437	Ant1	-8.41	0	-8.41	8	Pass
NVNT	ax20	2462	Ant1	-8	0	-8	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

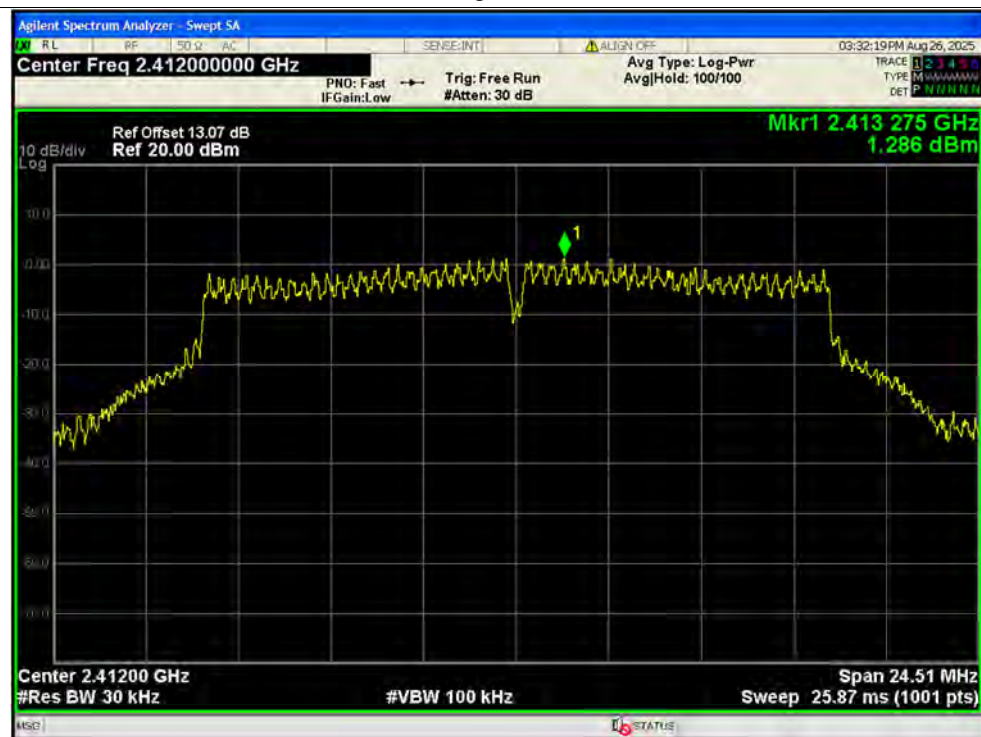




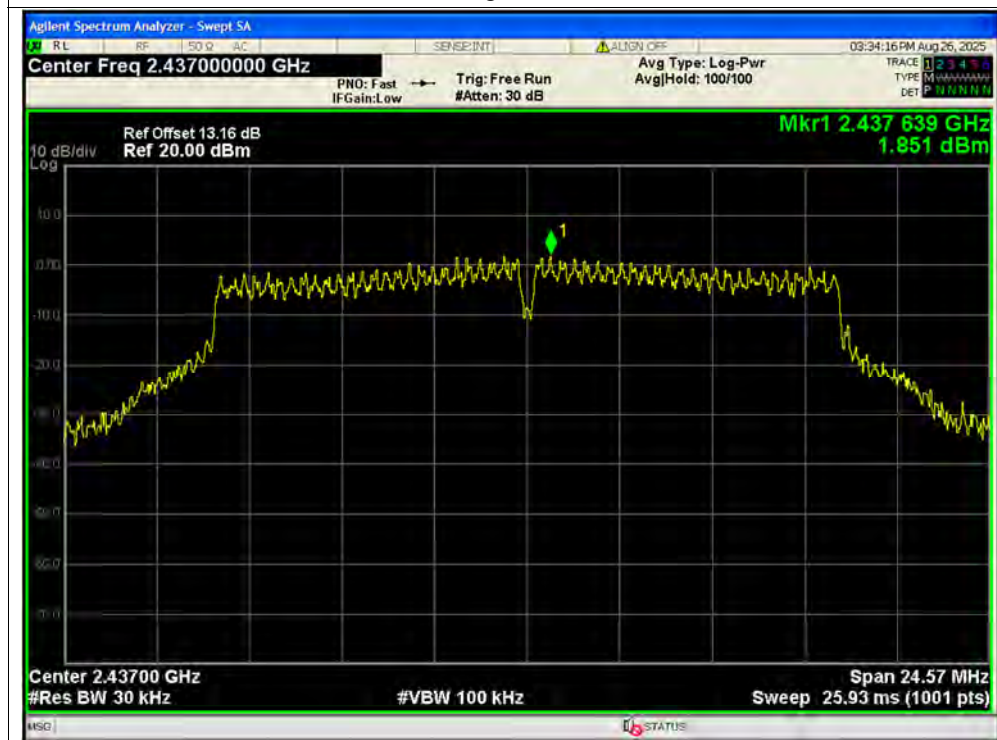
PSD NVNT b 2462MHz Ant1



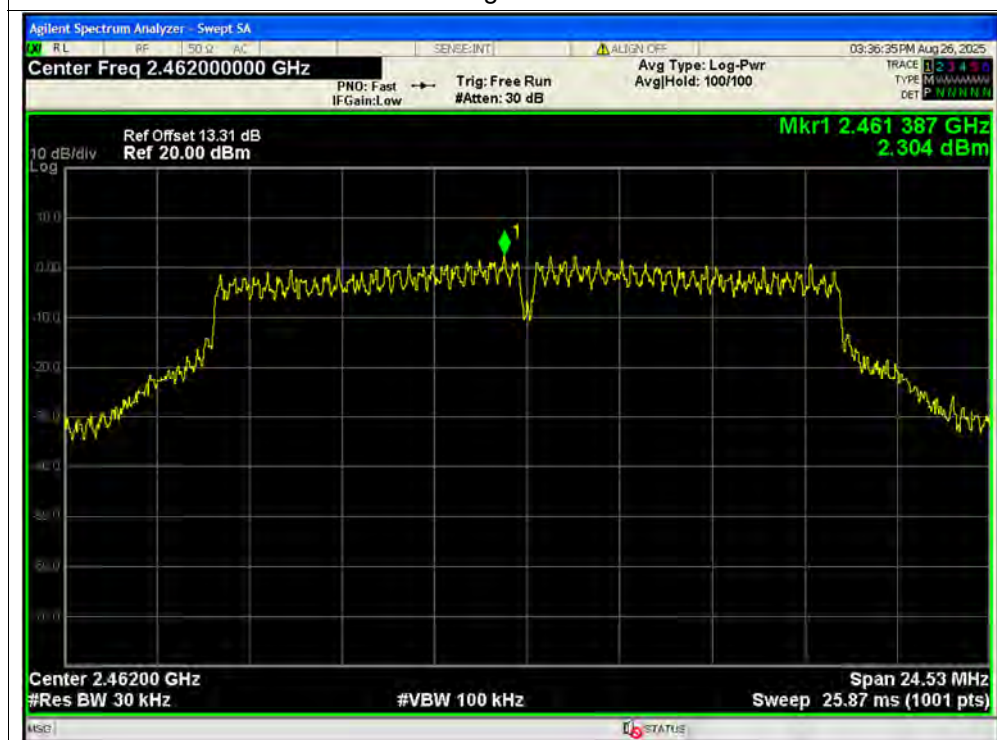
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1





PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



PSD NVNT ax20 2412MHz Ant1







A.8. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT+PC+PC adapter+Data cable + WIFI TX

Test voltage: AC 120V/60Hz

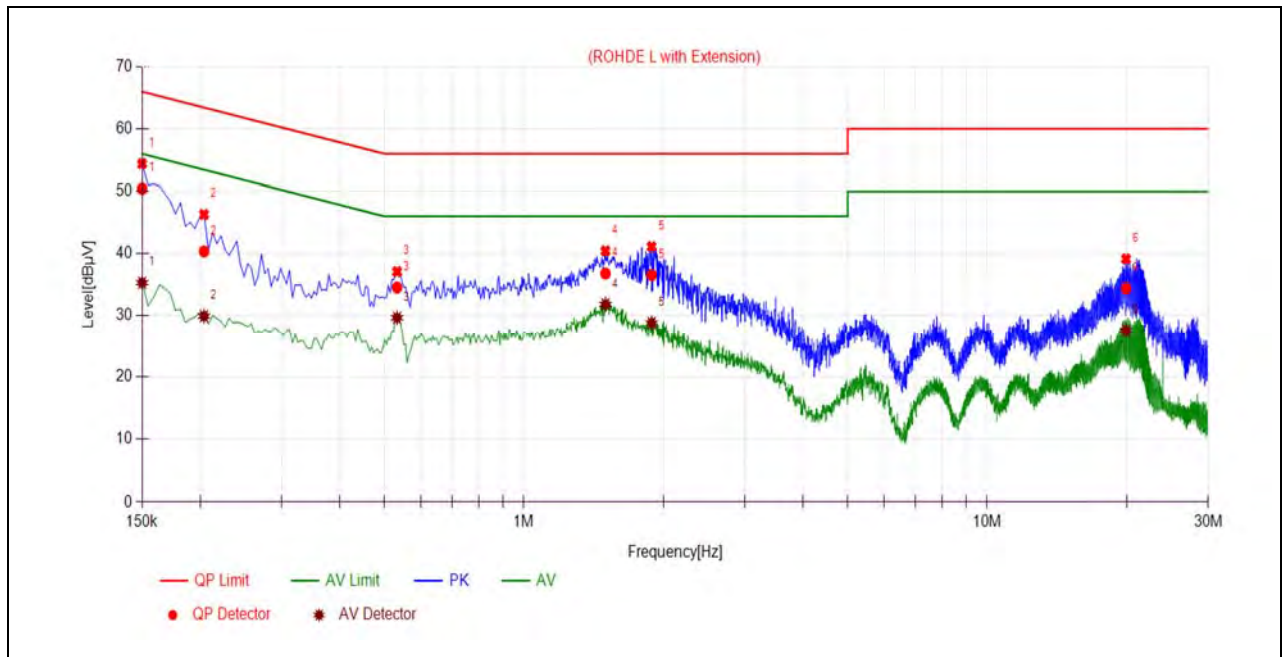
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

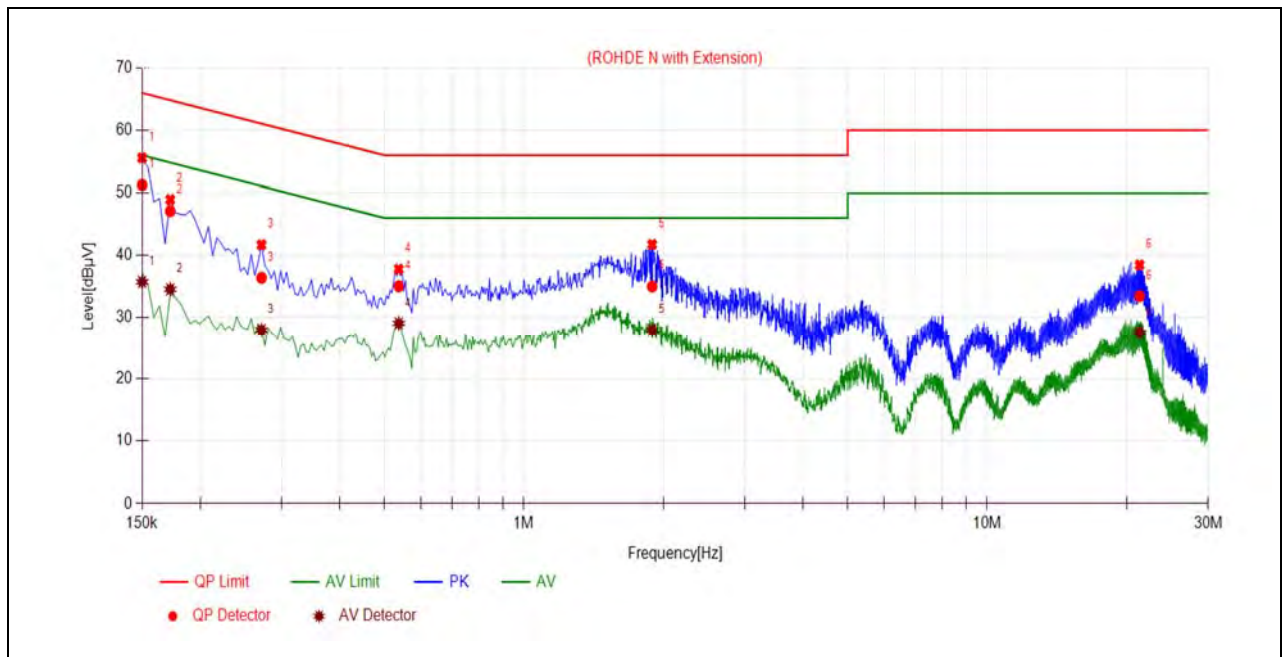
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1500	50.41	35.32	66.00	56.00	Line	PASS
2	0.2040	40.37	29.94	63.45	53.45		PASS
3	0.5325	34.56	29.67	56.00	46.00		PASS
4	1.5001	36.81	31.85	56.00	46.00		PASS
5	1.8871	36.57	28.83	56.00	46.00		PASS
6	19.9412	34.42	27.56	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1500	51.27	35.76	66.00	56.00	Neutral	PASS
2	0.1725	47.12	34.57	64.84	54.84		PASS
3	0.2715	36.41	27.99	61.07	51.07		PASS
4	0.5371	35.07	29.08	56.00	46.00		PASS
5	1.8915	35.03	27.95	56.00	46.00		PASS
6	21.3301	33.47	27.60	60.00	50.00		PASS

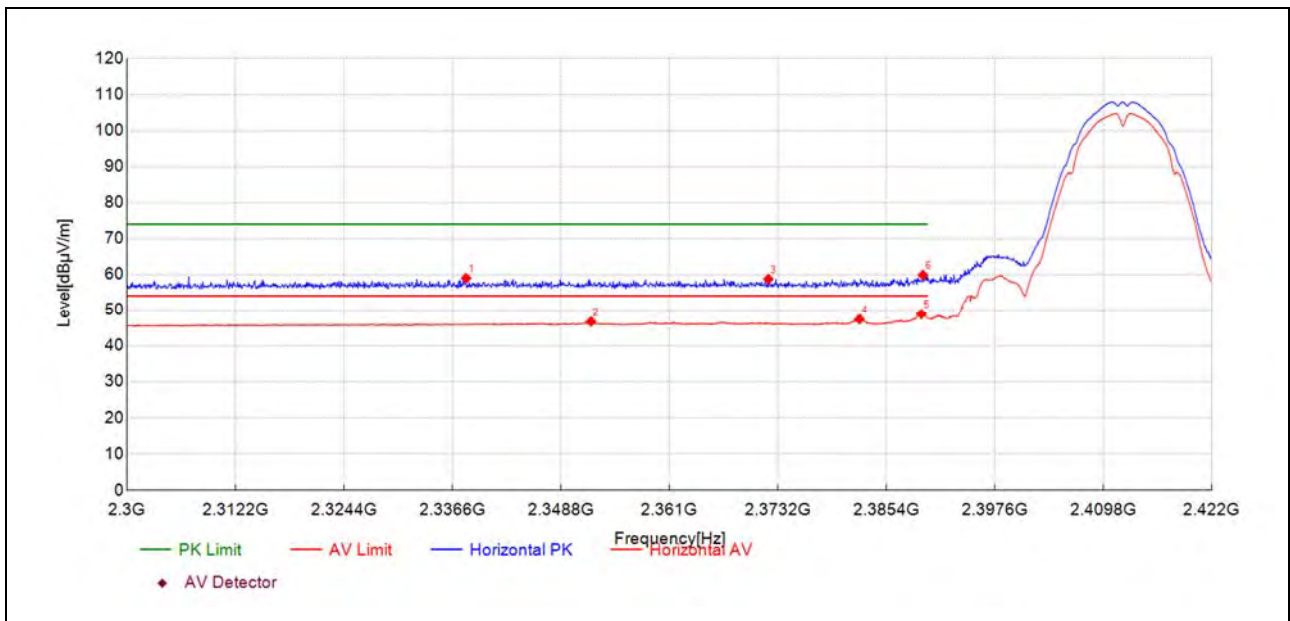
A.9. Restricted Frequency Bands

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (Vertical) was recorded in this test report.

Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11b Mode

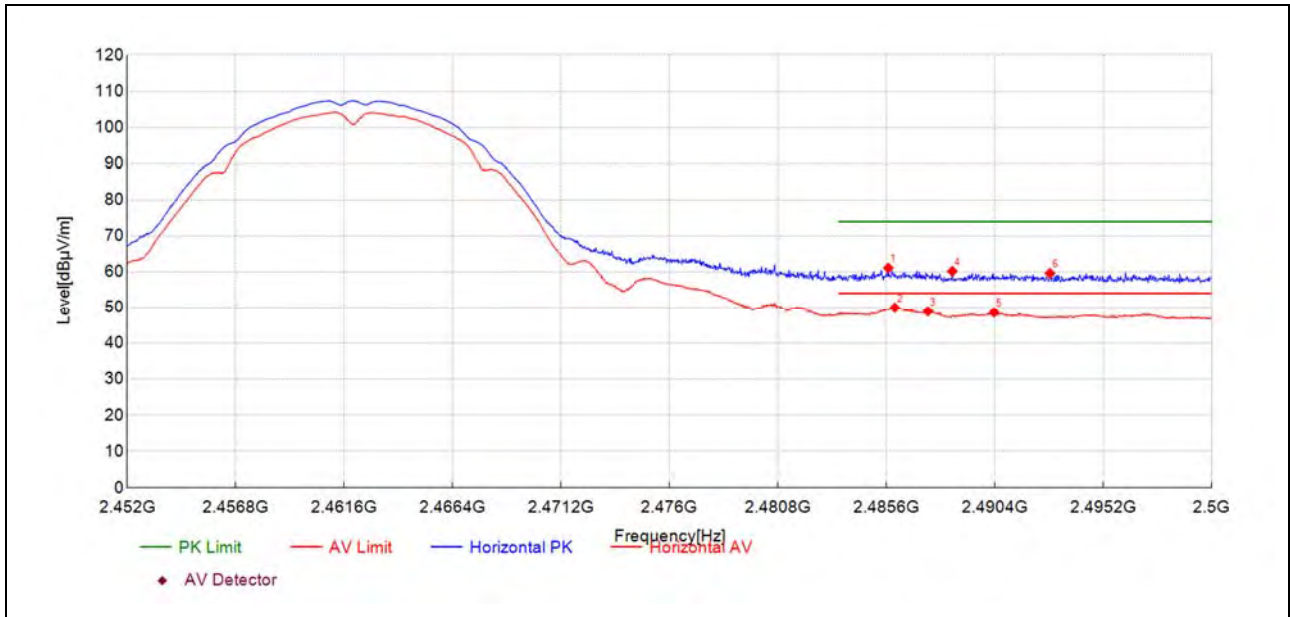
Plot for Channel 1



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
2338.14	21.6	58.99	37.350	74.00	15.01	287	PK	Horizontal	PASS
2352.18	9.3	46.75	37.460	54.00	7.25	296	AV	Horizontal	PASS
2372.14	21.3	58.74	37.470	74.00	15.26	202	PK	Horizontal	PASS
2382.39	9.9	47.40	37.480	54.00	6.60	296	AV	Horizontal	PASS
2389.35	11.4	48.89	37.490	54.00	5.11	296	AV	Horizontal	PASS
2389.53	22.4	59.85	37.490	74.00	14.15	287	PK	Horizontal	PASS



Plot for Channel 11



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
2485.69	22.9	61.12	38.270	74.00	12.88	279	PK	Horizontal	PASS
2485.98	11.7	49.98	38.270	54.00	4.02	293	AV	Horizontal	PASS
2487.44	10.7	48.96	38.270	54.00	5.04	293	AV	Horizontal	PASS
2488.52	22.0	60.23	38.270	74.00	13.77	303	PK	Horizontal	PASS
2490.37	10.4	48.62	38.270	54.00	5.38	298	AV	Horizontal	PASS
2492.84	21.4	59.64	38.260	74.00	14.36	312	PK	Horizontal	PASS



A.10. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note 1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

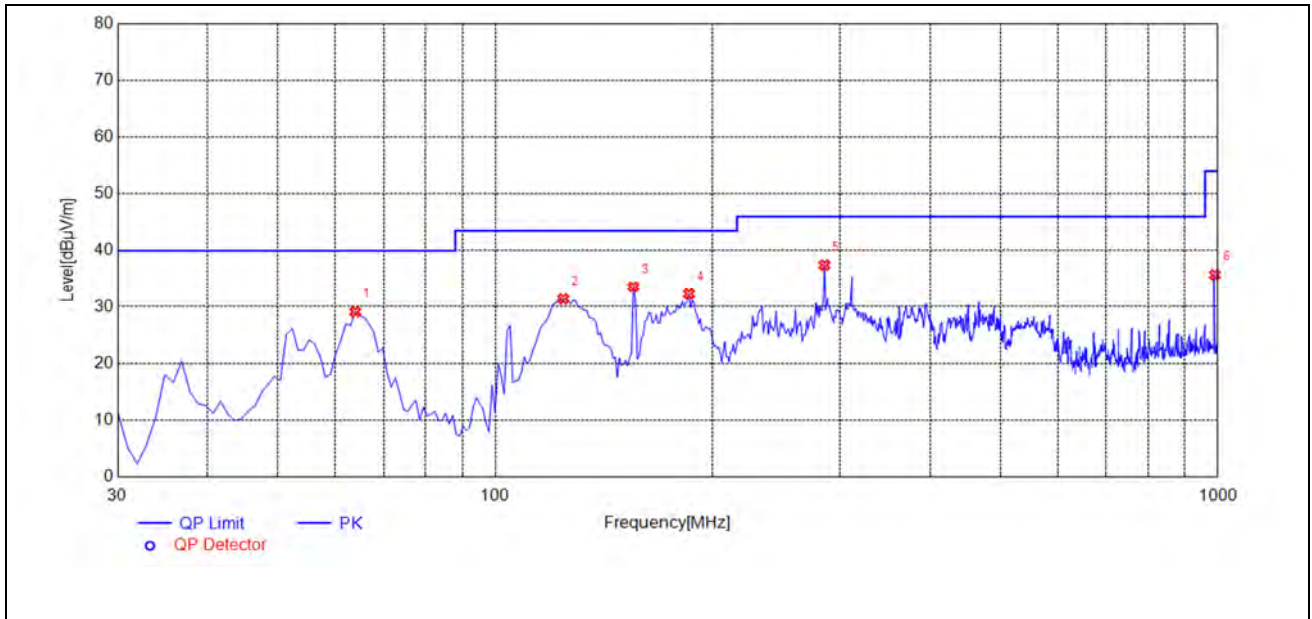
Note 3: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.



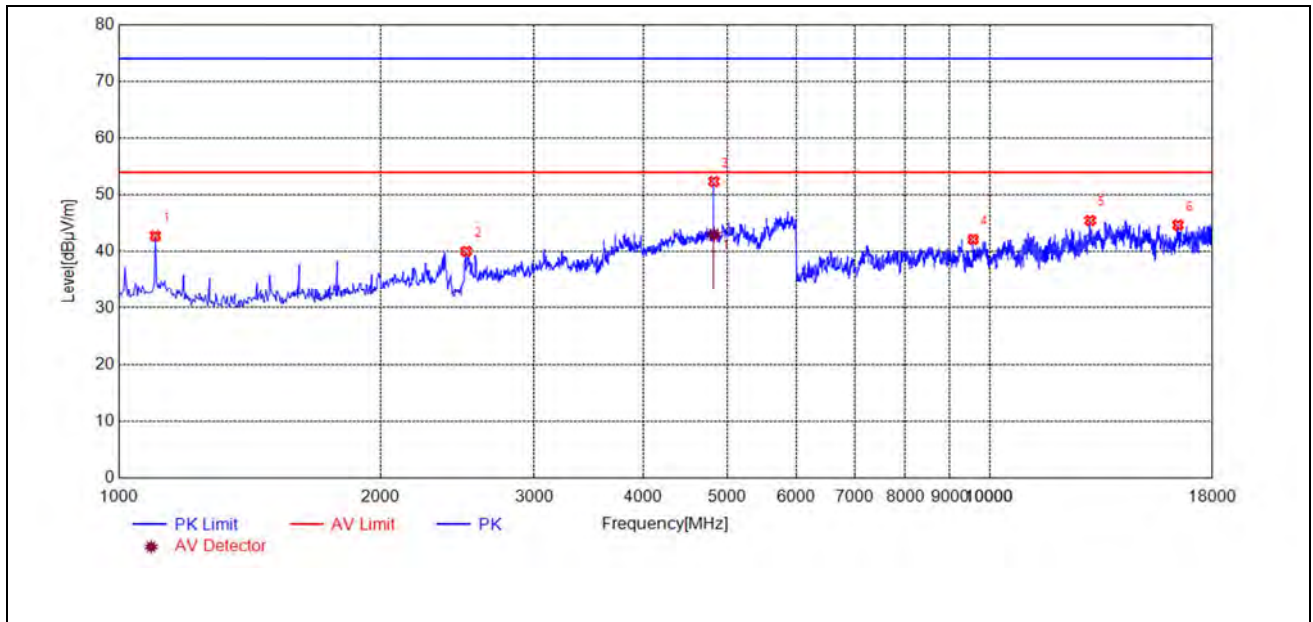
802.11b Mode

Plot for Channel 1



(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
63.9840	29.08	-30.20	40.00	10.92	150	315	PK	Horizontal	PASS
124.1842	31.36	-32.81	43.50	12.14	150	255	PK	Horizontal	PASS
155.2553	33.57	-34.11	43.50	9.93	150	237	PK	Horizontal	PASS
185.3554	32.27	-32.56	43.50	11.23	150	92	PK	Horizontal	PASS
285.3654	37.48	-29.55	46.00	8.52	150	118	PK	Horizontal	PASS
990.2903	35.76	-18.25	54.00	18.24	150	195	PK	Horizontal	PASS

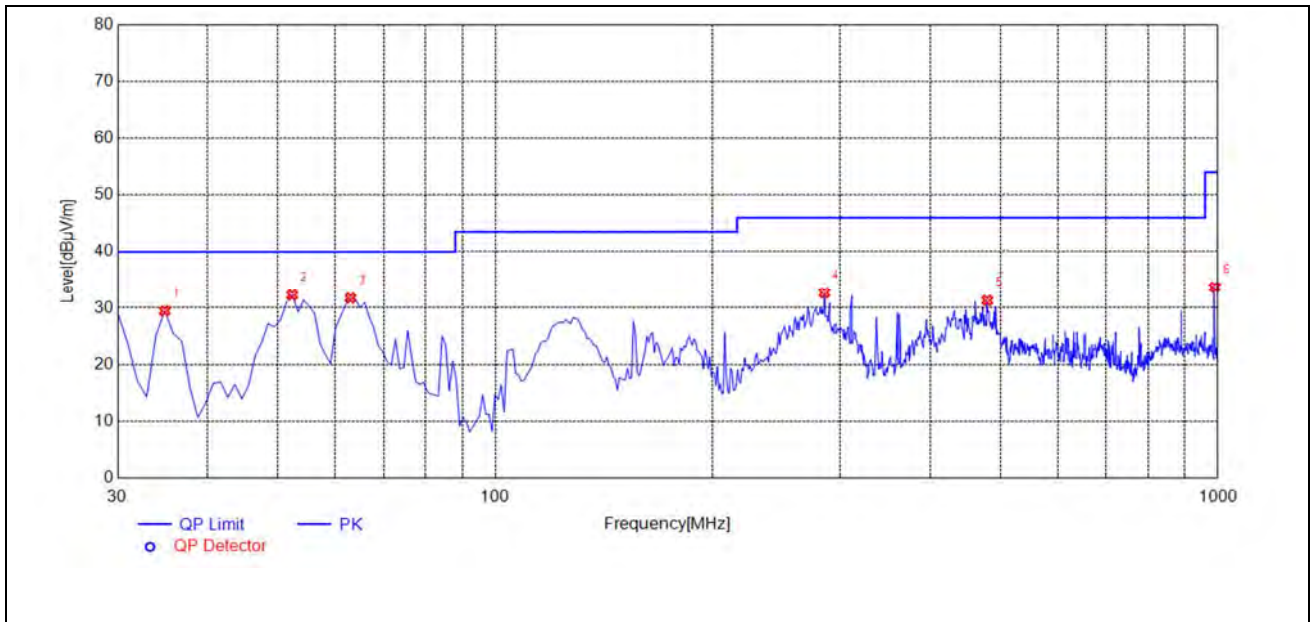


(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1102.0204	42.79	-24.49	74.00	31.21	150	219	PK	Horizontal	PASS
2506.5013	40.08	-19.57	74.00	33.92	150	143	PK	Horizontal	PASS
4822.3645	52.36	-10.35	74.00	21.64	150	15	PK	Horizontal	PASS
9569.7139	42.19	0.23	74.00	31.81	150	15	PK	Horizontal	PASS
13041.8084	45.52	6.37	74.00	28.48	150	34	PK	Horizontal	PASS
16445.8892	44.72	6.90	74.00	29.28	150	100	PK	Horizontal	PASS

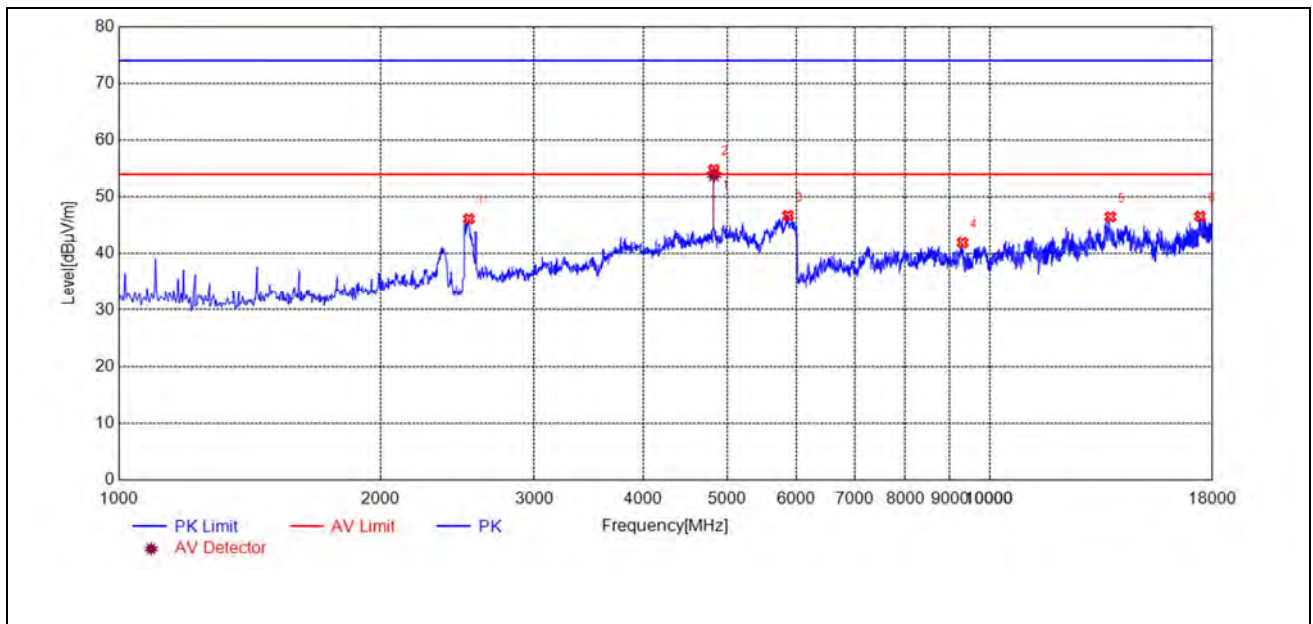
Freq. [MHz]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4823.8838	-10.33	150	59	Horizontal	PASS

Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4823.8838	-10.33	43.02	54.00	10.98	150	59	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
34.8549	29.44	-40.91	40.00	10.56	150	336	PK	Vertical	PASS
52.3323	32.28	-28.72	40.00	7.72	150	242	PK	Vertical	PASS
63.0130	31.72	-30.53	40.00	8.28	150	156	PK	Vertical	PASS
285.3654	32.67	-29.55	46.00	13.33	150	311	PK	Vertical	PASS
479.5596	31.32	-24.97	46.00	14.68	150	259	PK	Vertical	PASS
990.2903	33.72	-18.25	54.00	20.28	150	147	PK	Vertical	PASS



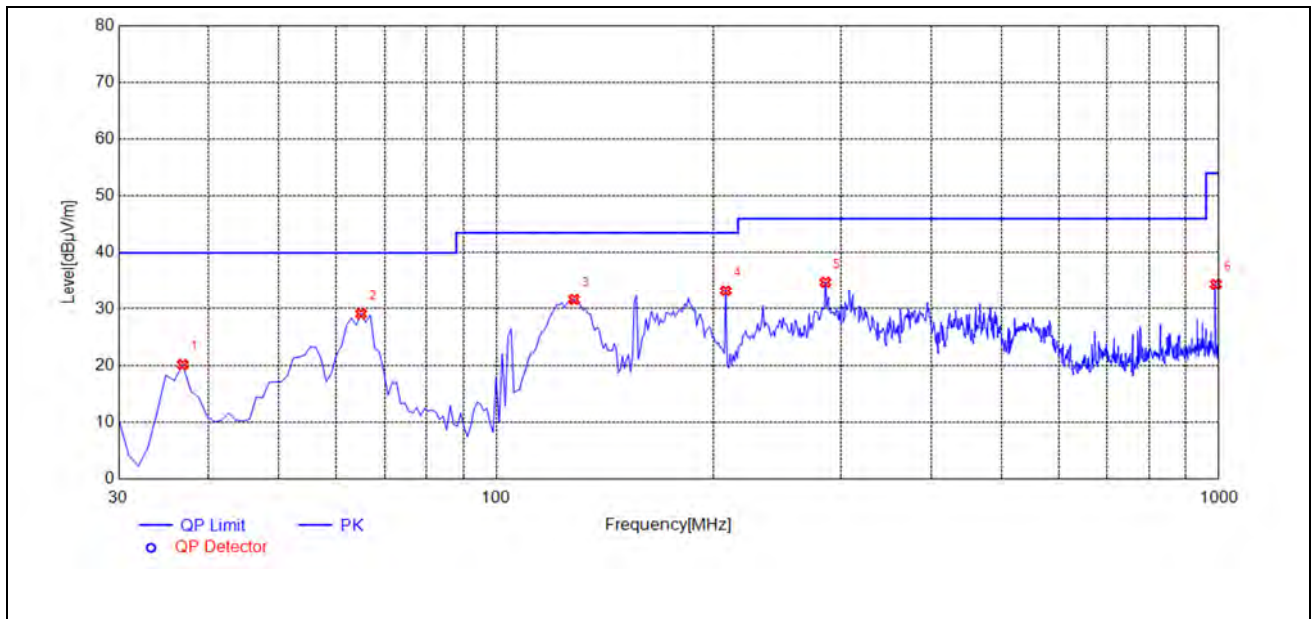
(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
2523.5047	46.16	-19.73	74.00	27.84	150	79	PK	Vertical	PASS
4822.3645	54.83	-10.35	74.00	19.17	150	4	PK	Vertical	PASS
5866.3733	46.73	-6.95	74.00	27.27	150	162	PK	Vertical	PASS
9304.4609	41.95	1.26	74.00	32.05	150	245	PK	Vertical	PASS
13752.5505	46.50	7.20	74.00	27.50	150	254	PK	Vertical	PASS
17428.6857	46.60	8.86	74.00	27.40	150	29	PK	Vertical	PASS

Freq. [MHz]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4824.0864	-10.33	150	15	Vertical	PASS

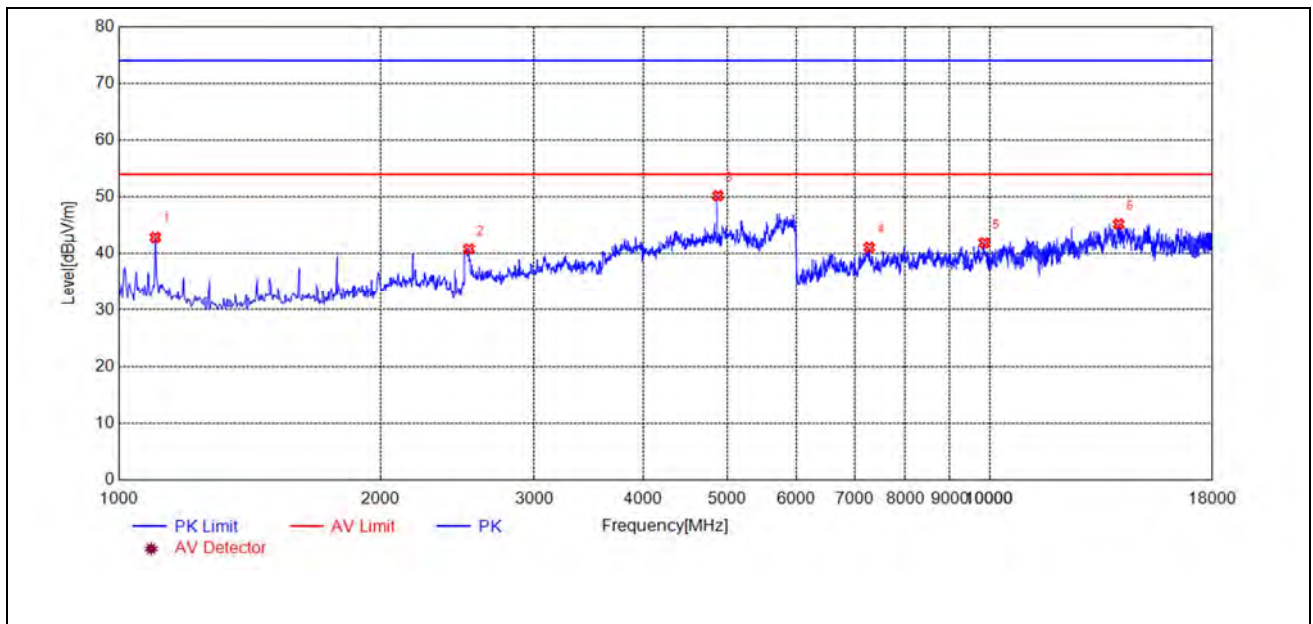
Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4824.0864	-10.33	53.84	54.00	0.16	150	15	Vertical	PASS

Plot for Channel 6



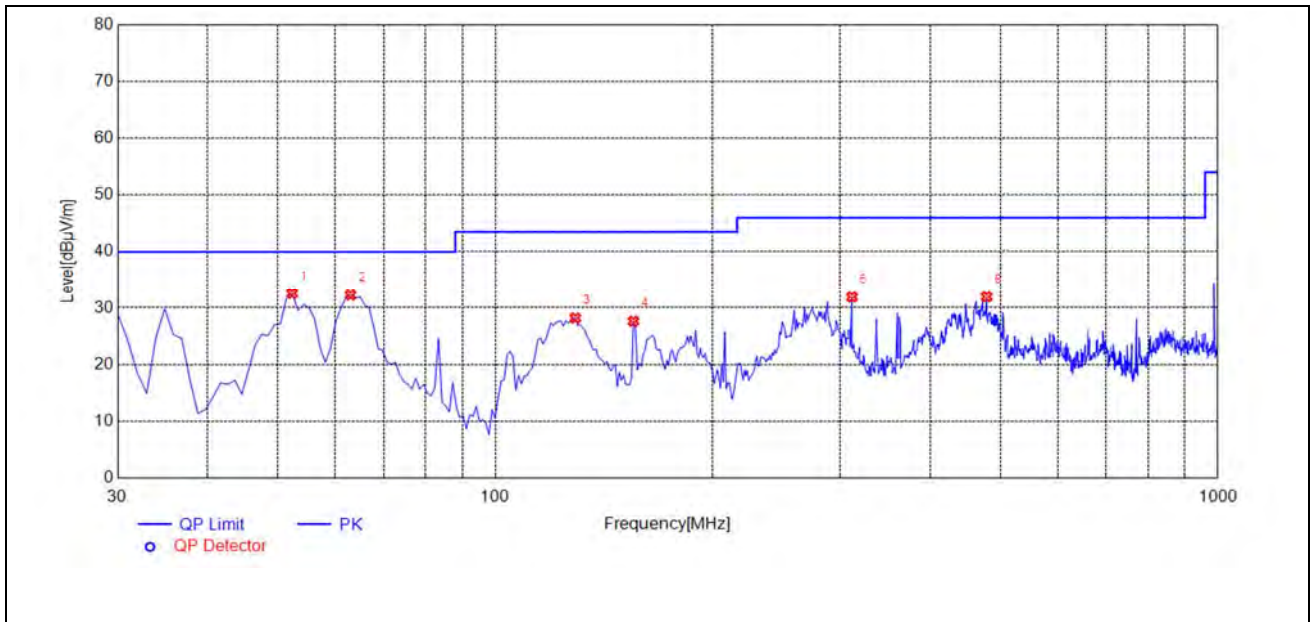
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
36.7968	20.14	-37.54	40.00	19.86	150	191	PK	Horizontal	PASS
64.9550	29.08	-30.25	40.00	10.92	150	319	PK	Horizontal	PASS
128.0681	31.62	-32.12	43.50	11.88	150	268	PK	Horizontal	PASS
207.6877	33.24	-32.30	43.50	10.26	150	251	PK	Horizontal	PASS
285.3654	34.82	-29.55	46.00	11.18	150	105	PK	Horizontal	PASS
990.2903	34.44	-18.25	54.00	19.56	150	217	PK	Horizontal	PASS



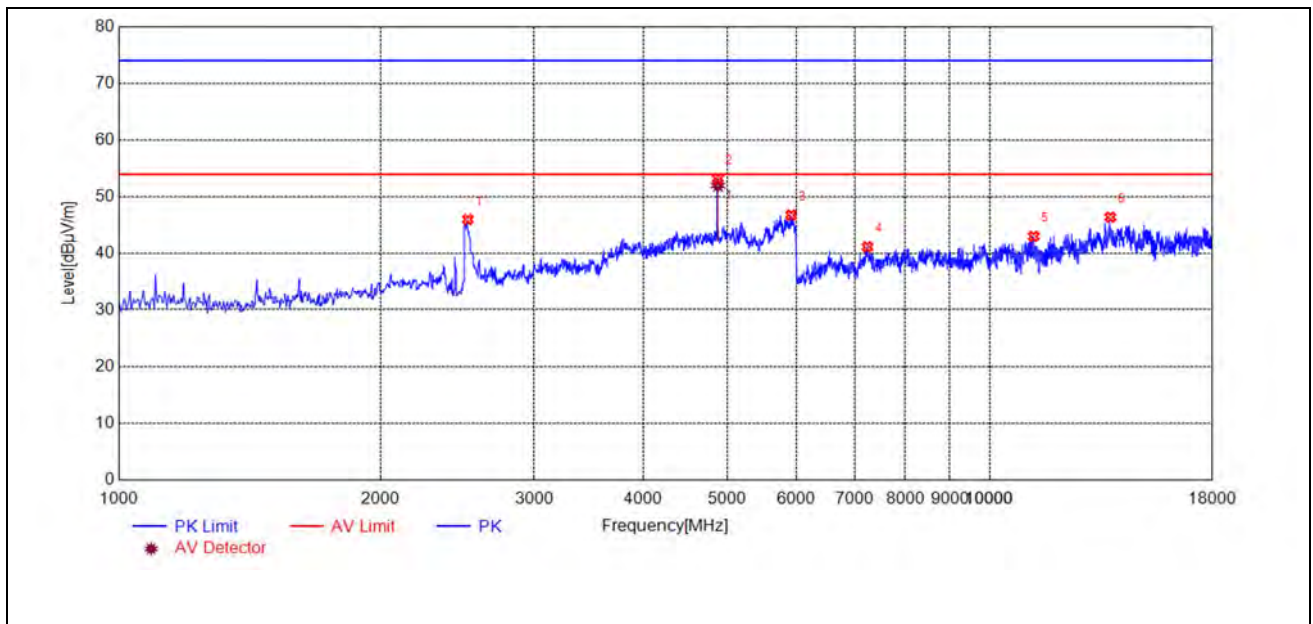
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1102.0204	42.87	-24.49	74.00	31.13	150	248	PK	Horizontal	PASS
2523.5047	40.87	-19.73	74.00	33.13	150	156	PK	Horizontal	PASS
4873.3747	50.22	-10.80	74.00	23.78	150	15	PK	Horizontal	PASS
7270.8542	41.14	-2.93	74.00	32.86	150	123	PK	Horizontal	PASS
9851.9704	41.92	1.59	74.00	32.08	150	314	PK	Horizontal	PASS
14055.2110	45.25	7.34	74.00	28.75	150	131	PK	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
52.3323	32.51	-28.72	40.00	7.49	150	118	PK	Vertical	PASS
63.0130	32.24	-30.53	40.00	7.76	150	203	PK	Vertical	PASS
129.0390	28.17	-32.25	43.50	15.33	150	144	PK	Vertical	PASS
155.2553	27.62	-34.11	43.50	15.88	150	135	PK	Vertical	PASS
311.5816	31.90	-29.04	46.00	14.10	150	331	PK	Vertical	PASS
478.5886	31.94	-24.92	46.00	14.06	150	246	PK	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

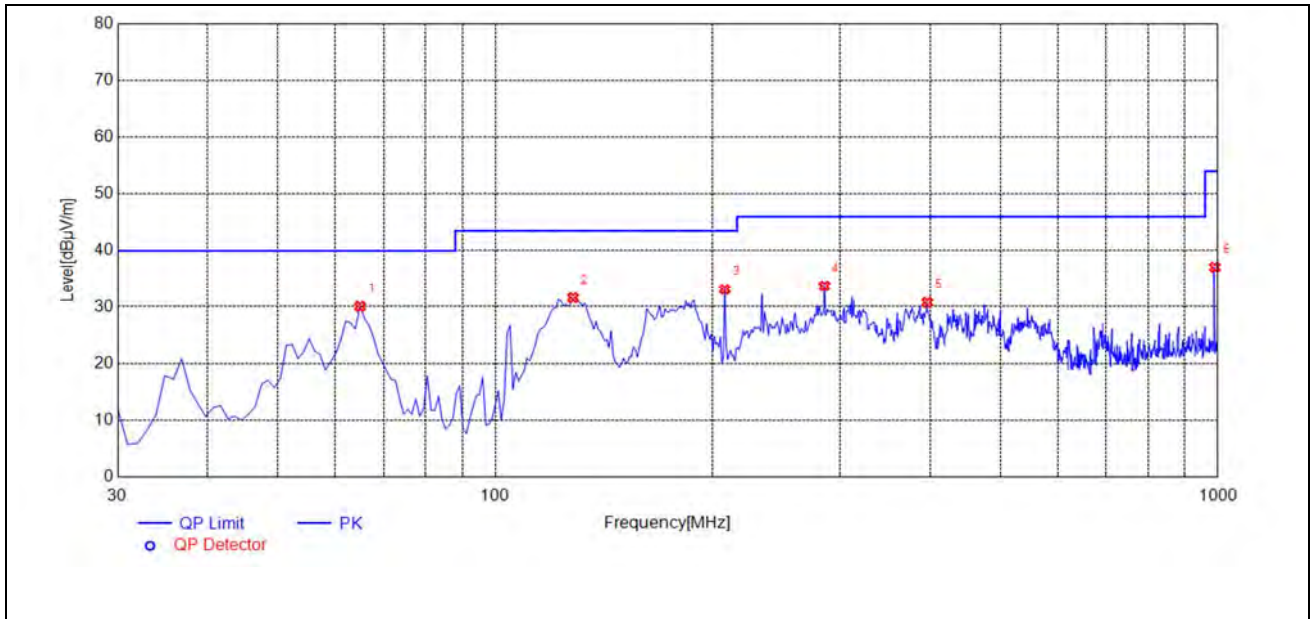
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
2516.7033	46.03	-19.67	74.00	27.97	150	79	PK	Vertical	PASS
4873.3747	53.25	-10.80	74.00	20.75	150	21	PK	Vertical	PASS
5913.9828	46.83	-6.82	74.00	27.17	150	63	PK	Vertical	PASS
7236.8474	41.24	-2.69	74.00	32.76	150	187	PK	Vertical	PASS
11229.2458	43.07	3.91	74.00	30.93	150	138	PK	Vertical	PASS
13752.5505	46.45	7.20	74.00	27.55	150	21	PK	Vertical	PASS

Freq. [MHz]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4874.0035	-10.82	150	36	Vertical	PASS

Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4874.0035	-10.82	52.03	54.00	1.97	150	36	Vertical	PASS

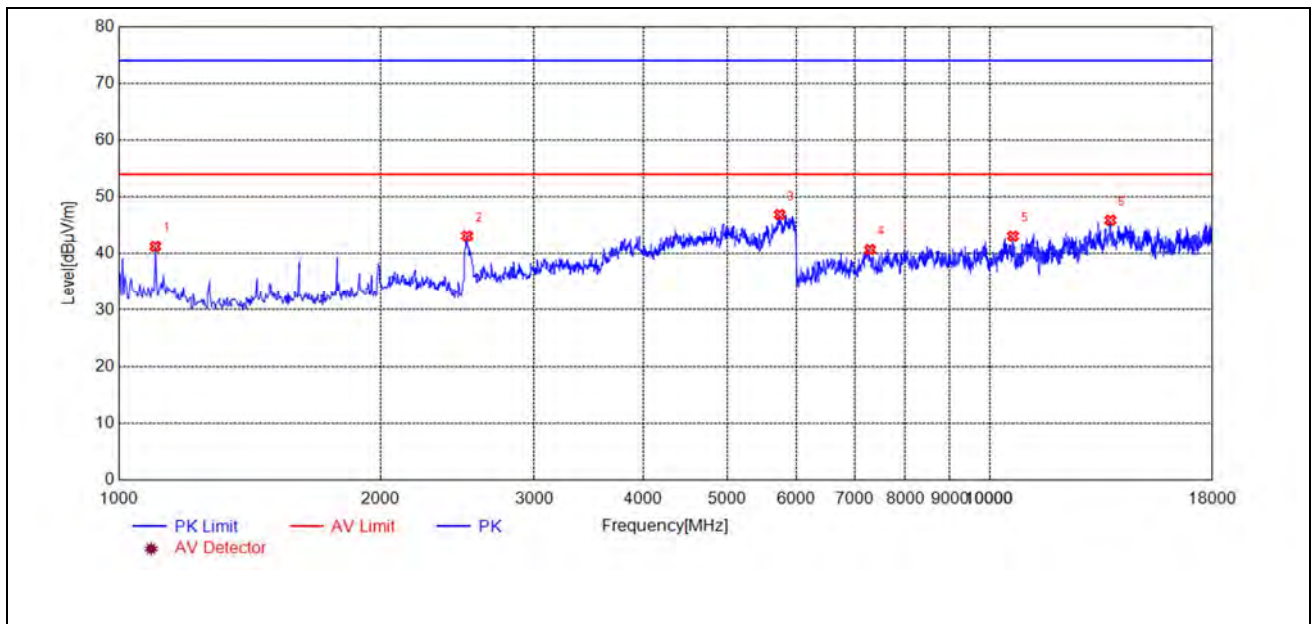


Plot for Channel 11



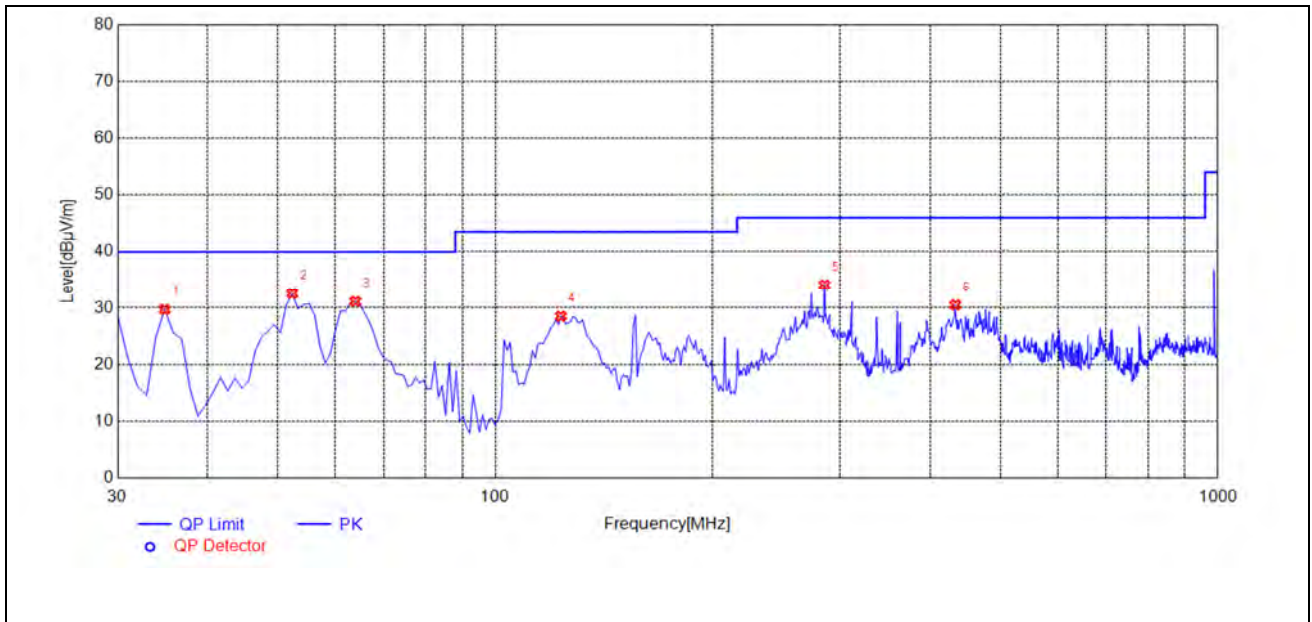
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
64.9550	30.05	-30.25	40.00	9.95	150	297	PK	Horizontal	PASS
128.0681	31.59	-32.12	43.50	11.91	150	272	PK	Horizontal	PASS
207.6877	33.10	-32.30	43.50	10.40	150	237	PK	Horizontal	PASS
285.3654	33.73	-29.55	46.00	12.27	150	152	PK	Horizontal	PASS
396.0561	30.76	-25.37	46.00	15.24	150	84	PK	Horizontal	PASS
990.2903	37.10	-18.25	54.00	16.90	150	315	PK	Horizontal	PASS



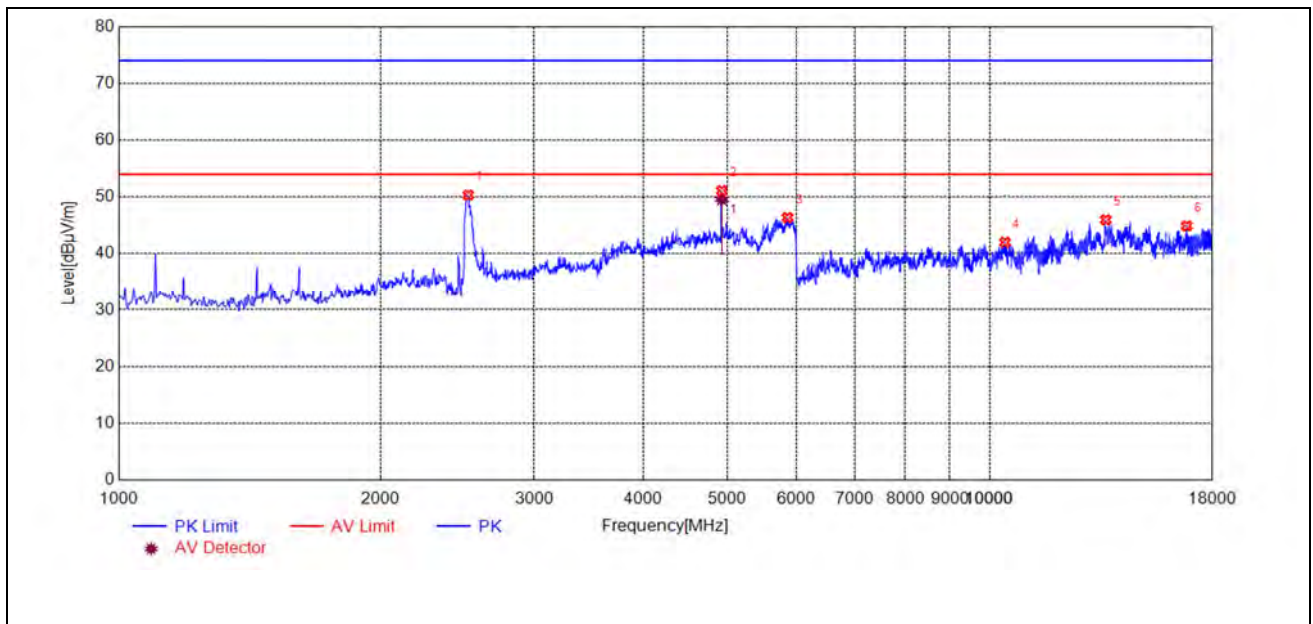
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1102.0204	41.29	-24.49	74.00	32.71	150	248	PK	Horizontal	PASS
2513.3027	43.14	-19.64	74.00	30.86	150	148	PK	Horizontal	PASS
5740.5481	46.90	-6.88	74.00	27.10	150	106	PK	Horizontal	PASS
7287.8576	40.75	-3.22	74.00	33.25	150	248	PK	Horizontal	PASS
10630.7261	43.11	3.05	74.00	30.89	150	240	PK	Horizontal	PASS
13755.9512	45.92	7.13	74.00	28.08	150	306	PK	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
34.8549	29.69	-40.91	40.00	10.31	150	156	PK	Vertical	PASS
52.3323	32.54	-28.72	40.00	7.46	150	200	PK	Vertical	PASS
63.9840	31.13	-30.20	40.00	8.87	150	225	PK	Vertical	PASS
123.2132	28.51	-32.53	43.50	14.99	150	183	PK	Vertical	PASS
285.3654	34.11	-29.55	46.00	11.89	150	293	PK	Vertical	PASS
432.9530	30.51	-25.25	46.00	15.49	150	131	PK	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
2520.1040	50.33	-19.70	74.00	23.67	150	90	PK	Vertical	PASS
4924.3849	51.14	-10.59	74.00	22.86	150	15	PK	Vertical	PASS
5859.5719	46.38	-6.94	74.00	27.62	150	357	PK	Vertical	PASS
10409.6819	42.03	2.45	74.00	31.97	150	98	PK	Vertical	PASS
13589.3179	45.98	7.09	74.00	28.02	150	207	PK	Vertical	PASS
16826.7654	44.91	7.47	74.00	29.09	150	340	PK	Vertical	PASS

Freq. [MHz]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4924.0155	-10.61	150	15	Vertical	PASS

Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
4924.0155	-10.61	49.60	54.00	4.40	150	15	Vertical	PASS

— END OF REPORT —