



REPORT No.: SZ25030399W02

TEST REPORT

APPLICANT : Suunto Sports
Technology(Dongguan)Co., Ltd.

PRODUCT NAME : Outdoor Watch

MODEL NAME : OW244

BRAND NAME : SUUNTO

FCC ID : 2BBLIOW244

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-03-31

TEST DATE : 2025-04-22 to 2025-05-30

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DIRECTORY

1. Summary of Test Result	4
1.1. Testing Applied Standards	4
1.2. Test Equipment List	5
1.3. Measurement Uncertainty	7
1.4. Testing Laboratory	7
2. General Description	8
2.1. Information of Applicant and Manufacturer	8
2.2. Information of EUT	8
2.3. Channel List of EUT	9
2.4. Test Configuration of EUT	9
2.5. Test Conditions	10
2.6. Test Setup Layout Diagram	11
3. Test Results	14
3.1. Antenna Requirement	14
3.2. Duty Cycle of Test Signal	15
3.3. Maximum Peak and Average Conducted Output Power	16
3.4. 6 dB Bandwidth	17
3.5. Conducted Spurious Emissions and Band Edge	18
3.6. Power Spectral Density	19
3.7. Conducted Emission	20
3.8. Restricted Frequency Bands	21
3.9. Radiated Emission	22
Annex A Test Data and Result	24



REPORT No.: SZ25030399W02

Change History		
Version	Date	Reason for change
1.0	2025-07-28	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	Apr. 23, 2025	Li Zikai	PASS	/
3	15.247(b)	Maximum Peak Conducted Output Power	Apr. 23, 2025	Li Zikai	PASS	/
4	15.247(b)	Maximum Average Conducted Output Power	Apr. 23, 2025	Li Zikai	PASS	/
5	15.247(a)	Bandwidth	Apr. 23, 2025	Li Zikai	PASS	/
6	15.247(d)	Conducted Spurious Emission and Band Edge	Apr. 23, 2025	Li Zikai	PASS	/
7	15.247(e)	Power Spectral Density	Apr. 23, 2025	Li Zikai	PASS	/
8	15.207	Conducted Emission	May 30, 2025	Fan Shengquan	PASS	/
9	15.247(d)	Restricted Frequency Bands	May 23, 2025	Gao Jianrou	PASS	/
10	15.209, 15.247(d)	Radiated Emission	May 23, 2025	Gao Jianrou	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013 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	MY56400093	N9038A	KEYSIGHT	2025.01.06	2026.01.05
LISN	8127449	NSLK 8127	Schwarzbeck	2025.01.09	2026.01.08
Pulse Limiter (10dB)	VTSD 9561 F- B #206	VTSD 9561-F	Schwarzbeck	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2024.07.02	2025.07.01

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
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	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
				2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18
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
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:	Suunto Sports Technology(Dongguan)Co., Ltd.
Applicant Address:	Room 108, No. 5, Longxi Road, Nancheng Street, Dongguan City, Guangdong Province, China
Manufacturer:	Suunto Oy
Manufacturer Address:	Tammiston kauppatie 7 A, FIN-01510 Vantaa, Finland

2.2. Information of EUT

Product Name:	Outdoor Watch	
Sample No.:	1#, 4#, 15#	
Hardware Version:	MB244	
Software Version:	2.42.15	
Modulation Technology:	DSSS, OFDM	
Modulation Type:	Refer to section 2.4.1	
Wireless Technology:	802.11b, 802.11g, 802.11n (HT20)	
Operating Frequency Range:	2412MHz–2462MHz	
Antenna Type:	Metal Frame Antenna	
Antenna Gain:	-8.95dBi	
Accessory Information:	Battery	
	Brand Name:	VDL
	Model No.:	562827PN5
	Serial No.:	N/A
	Capacity:	620mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Chongqing VDL Electronics Co., LTD.
	USB Cable	
	Model No.:	CC246
	Manufacturer:	Suunto OY

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
802.11b	20	DSSS	DBPSK	1/2/5.5/11Mbps
			DQPSK	
			CCK	
802.11g	20	OFDM	BPSK	6/9/12/18/24/36/48/54Mbps
			QPSK	
			16QAM	
			64QAM	
802.11n	20 (HT20)	OFDM	BPSK	MCS0~MCS7
			QPSK	
			16QAM	
			64QAM	

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.



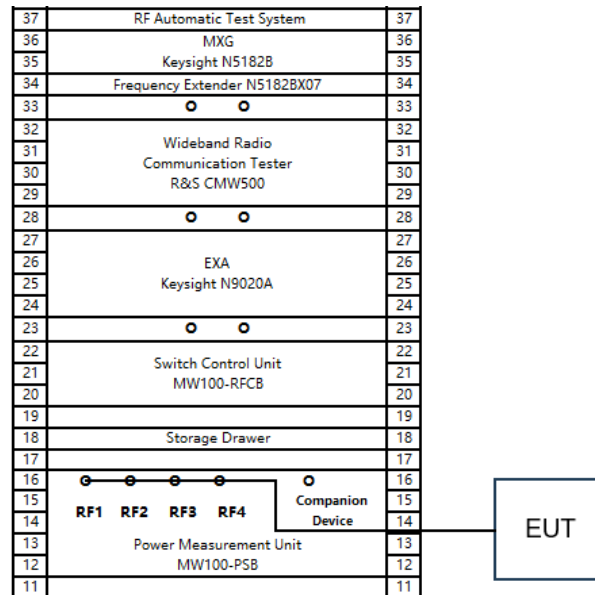
REPORT No.: SZ25030399W02

2.5. Test Conditions

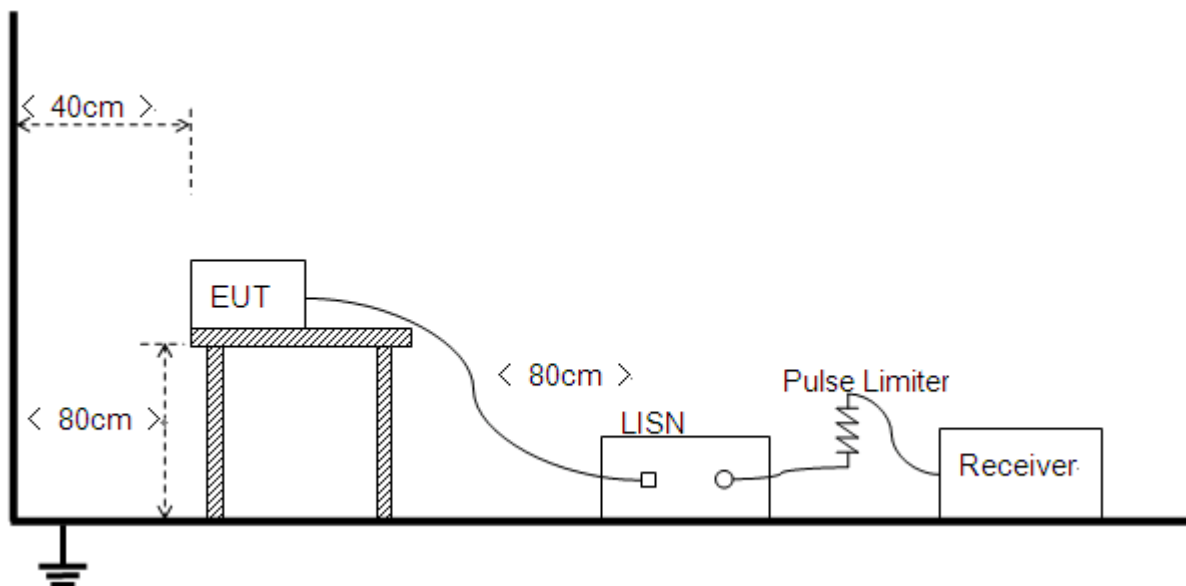
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

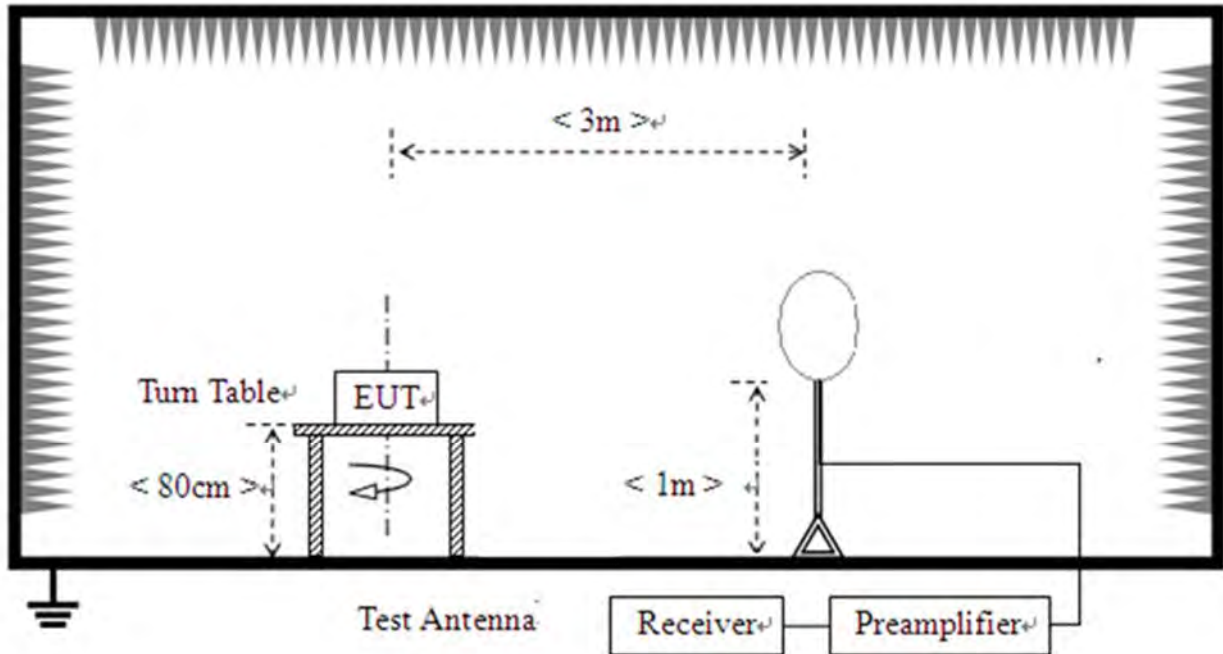


2.6.2. Conducted Emission Measurement

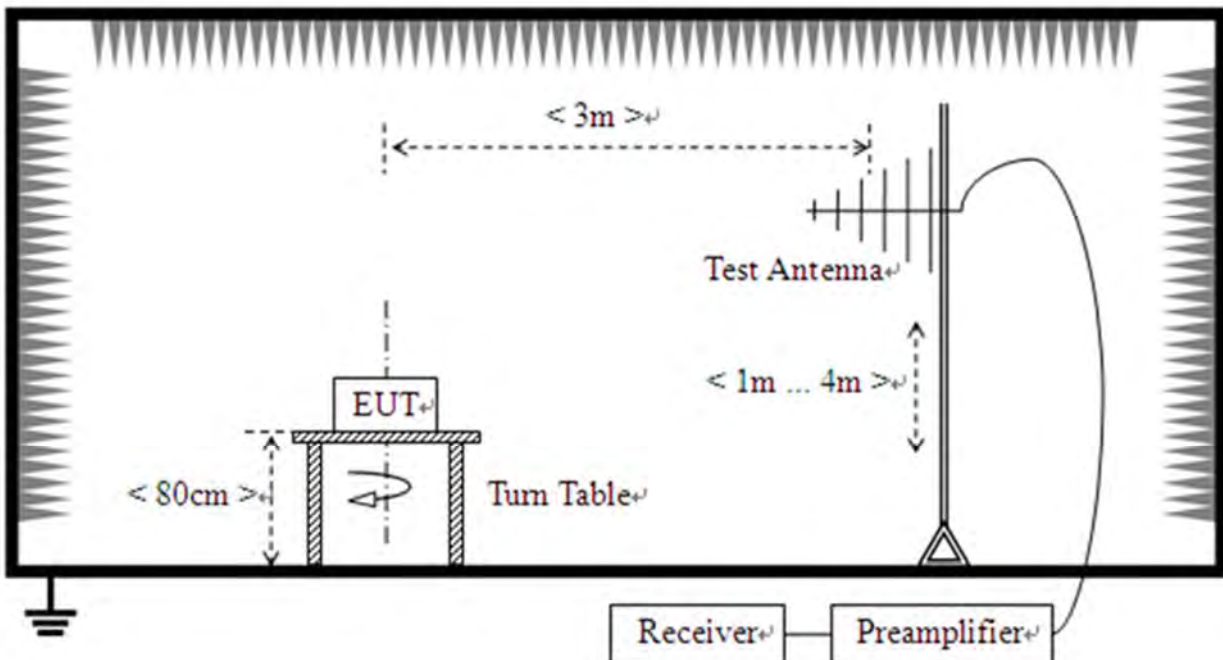


2.6.3.Radiation Measurement

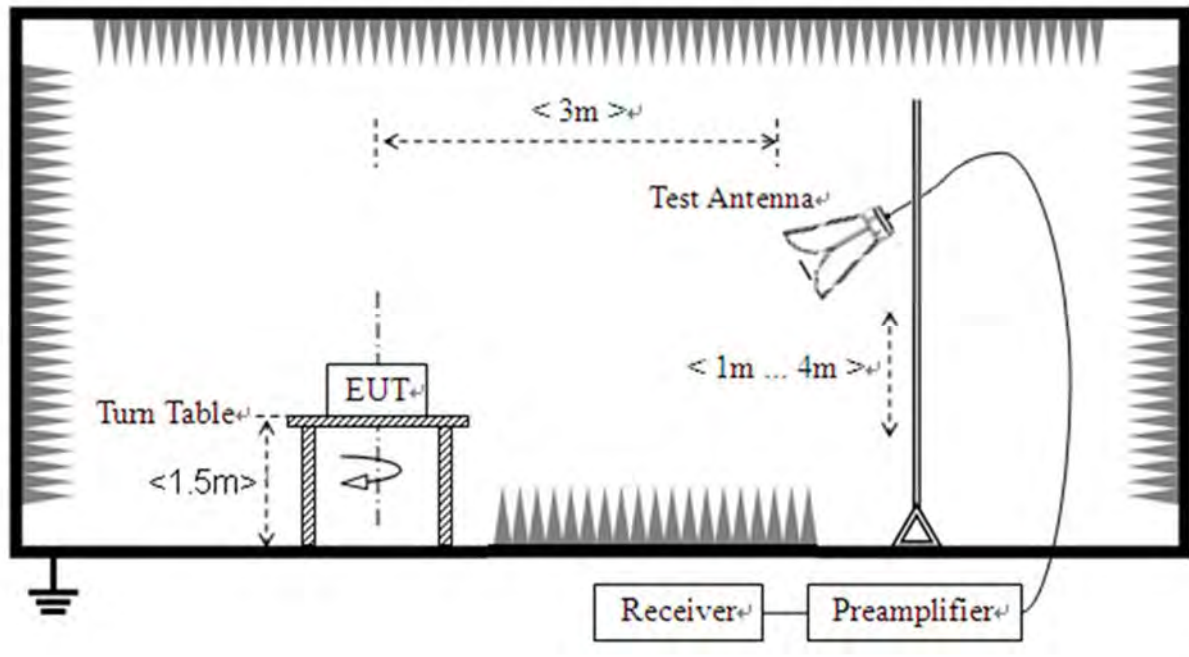
1) For radiated emissions from 9kHz to 30MHz



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 ☒ Metal Frame 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: 2013.

3.7.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.7.4. Test Result

Refer to Annex A.8 in this report.



3.8.Restricted Frequency Bands

3.8.1.Requirement

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

3.8.2.Test Procedures

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

For the Test Antenna:

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

Span = wide enough to fully capture the emission being measured

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

VBW = 3 MHz

Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.8.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.8.4.Test Result

Refer to Annex A.9 in this report.



3.9. Radiated Emission

3.9.1. Requirement

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

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note1: For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

Note2: For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK). In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).



3.9.2.Test Procedures

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

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

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

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

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

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.10 in this report.



Annex A Test Data and Result

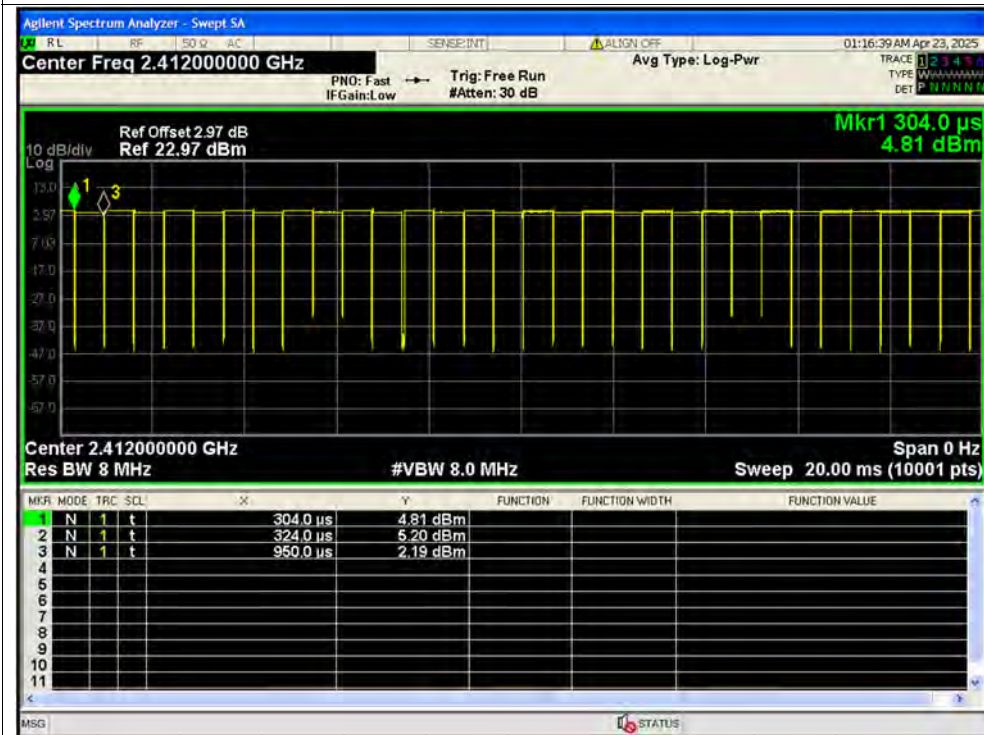
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	96.9	0.14	1.6
NVNT	b	2437	Ant1	96.89	0.14	1.6
NVNT	b	2462	Ant1	96.59	0.15	1.6
NVNT	g	2412	Ant1	96.4	0.16	1.44
NVNT	g	2437	Ant1	96.4	0.16	1.44
NVNT	g	2462	Ant1	96.4	0.16	1.44
NVNT	n20	2412	Ant1	96.21	0.17	1.52
NVNT	n20	2437	Ant1	96.21	0.17	1.52
NVNT	n20	2462	Ant1	96.21	0.17	1.52

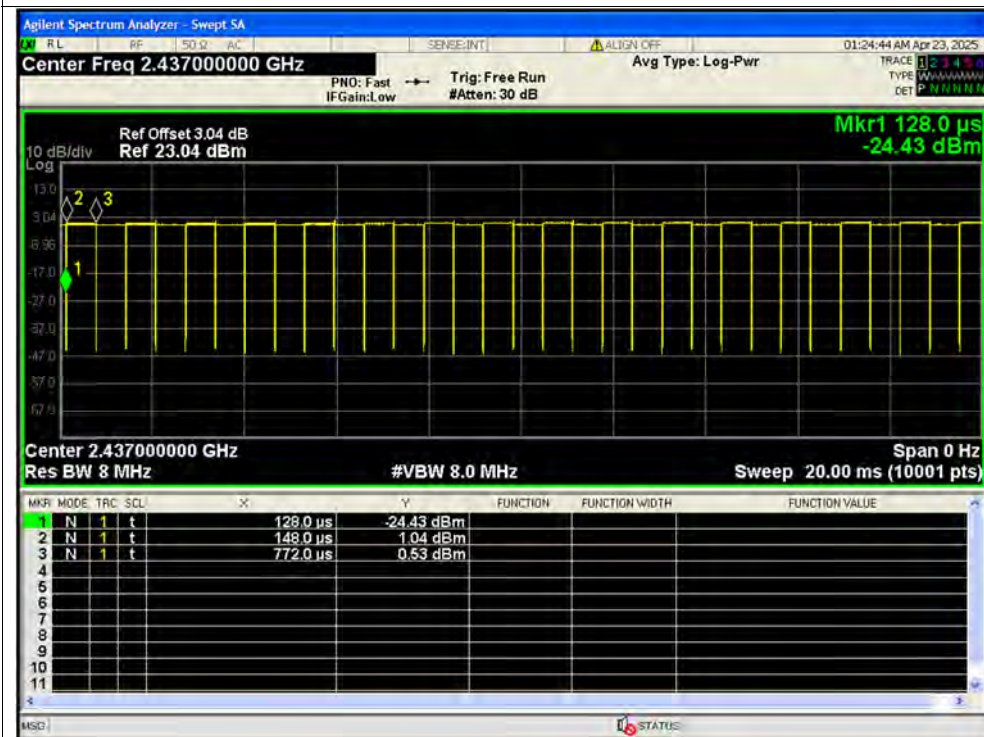


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

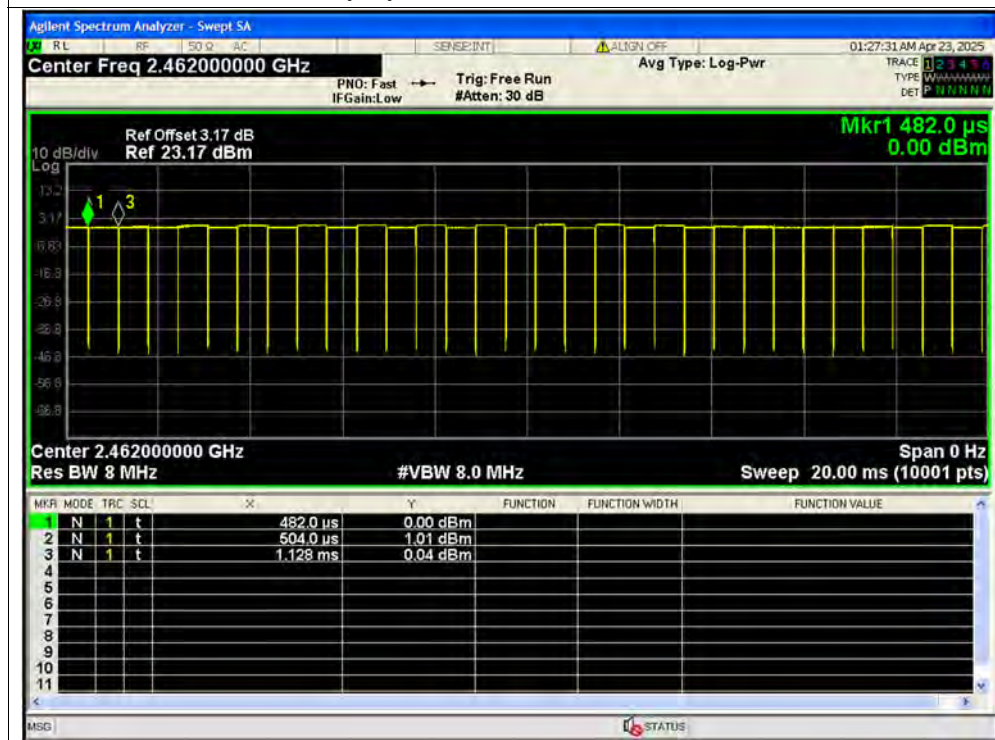


Duty Cycle NVNT b 2437MHz Ant1

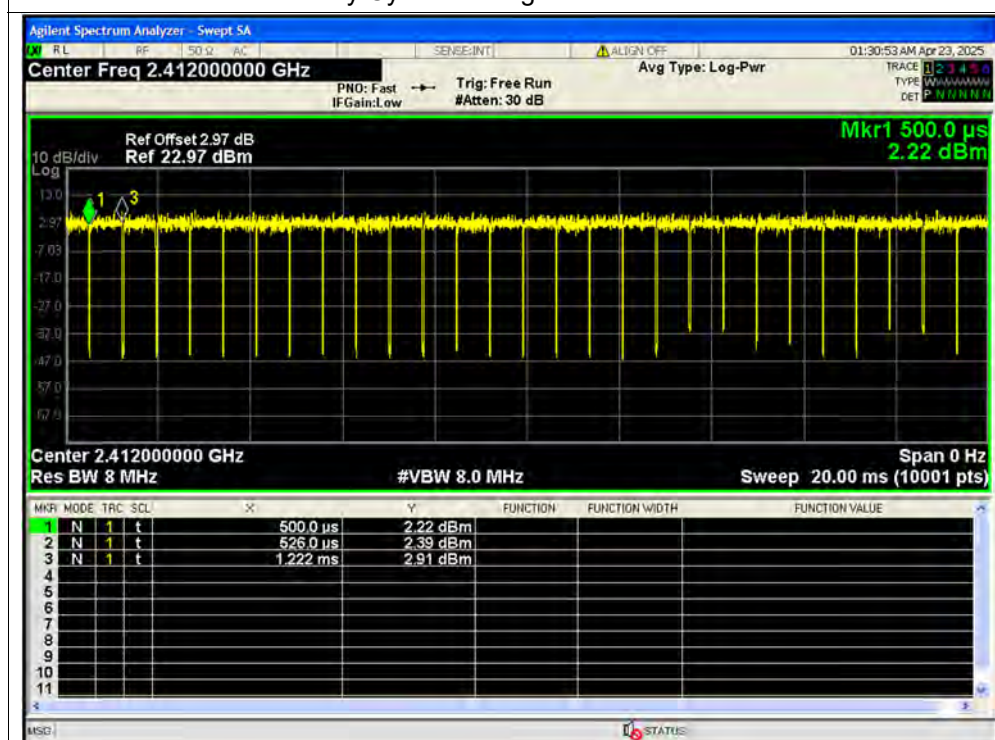




Duty Cycle NVNT b 2462MHz Ant1

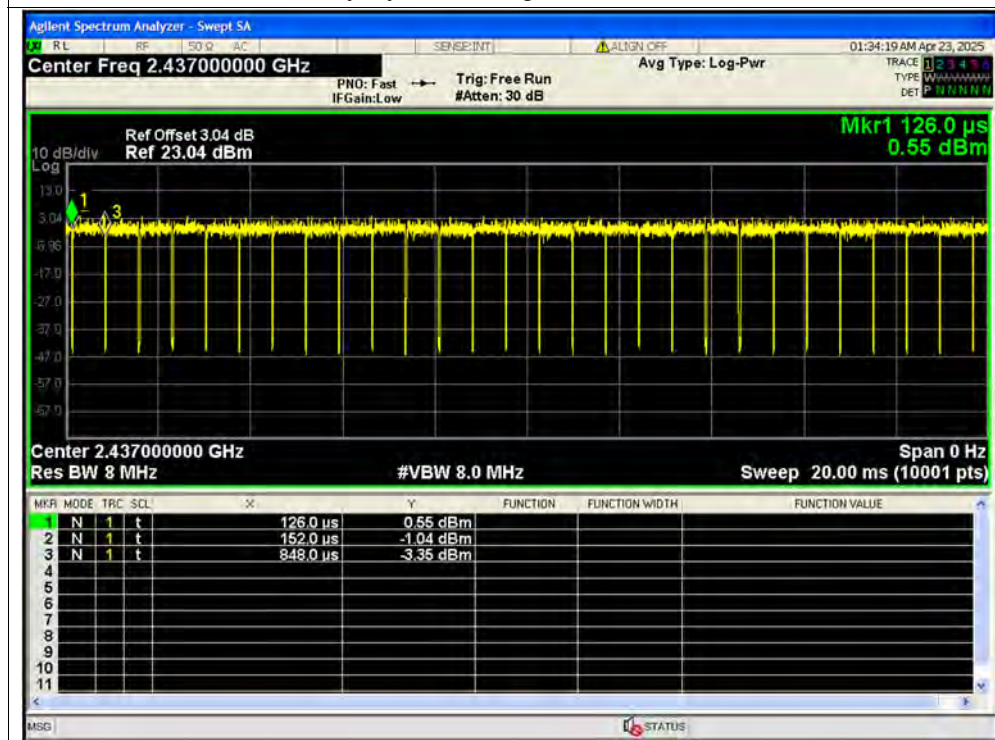


Duty Cycle NVNT g 2412MHz Ant1

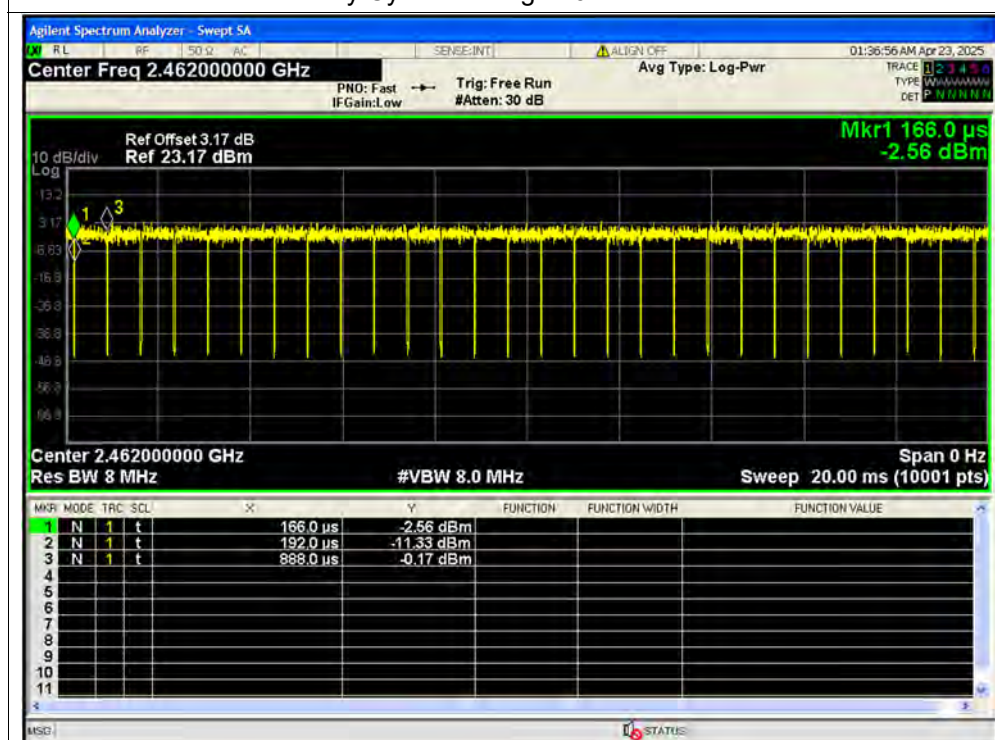




Duty Cycle NVNT g 2437MHz Ant1

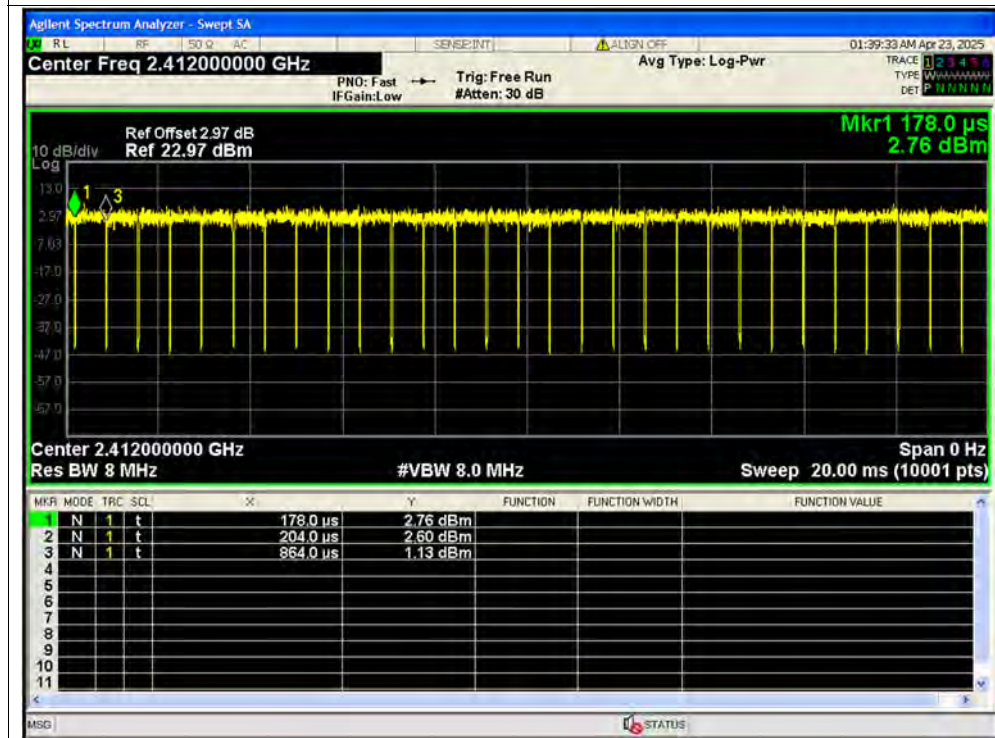


Duty Cycle NVNT g 2462MHz Ant1

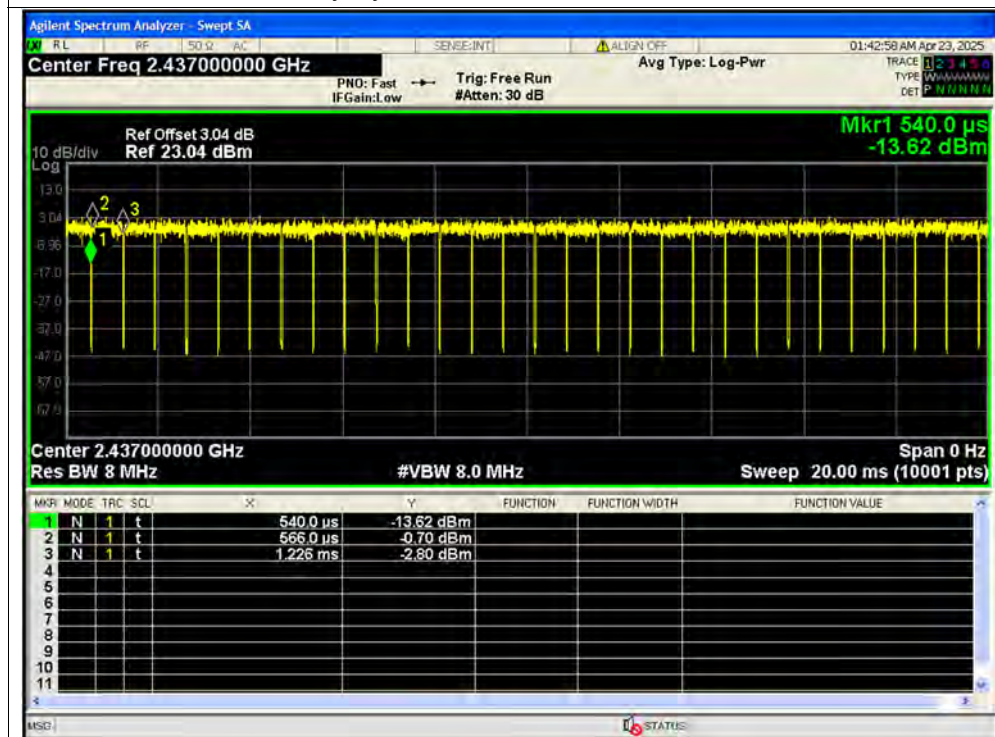




Duty Cycle NVNT n20 2412MHz Ant1

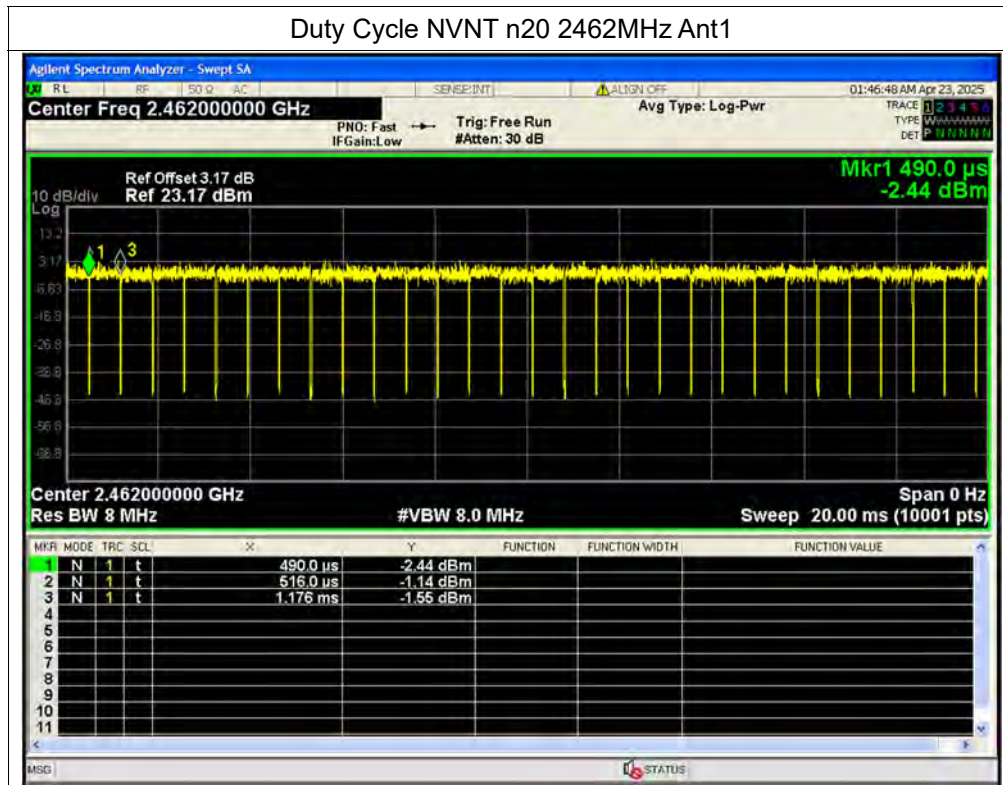


Duty Cycle NVNT n20 2437MHz Ant1





Duty Cycle NVNT n20 2462MHz Ant1

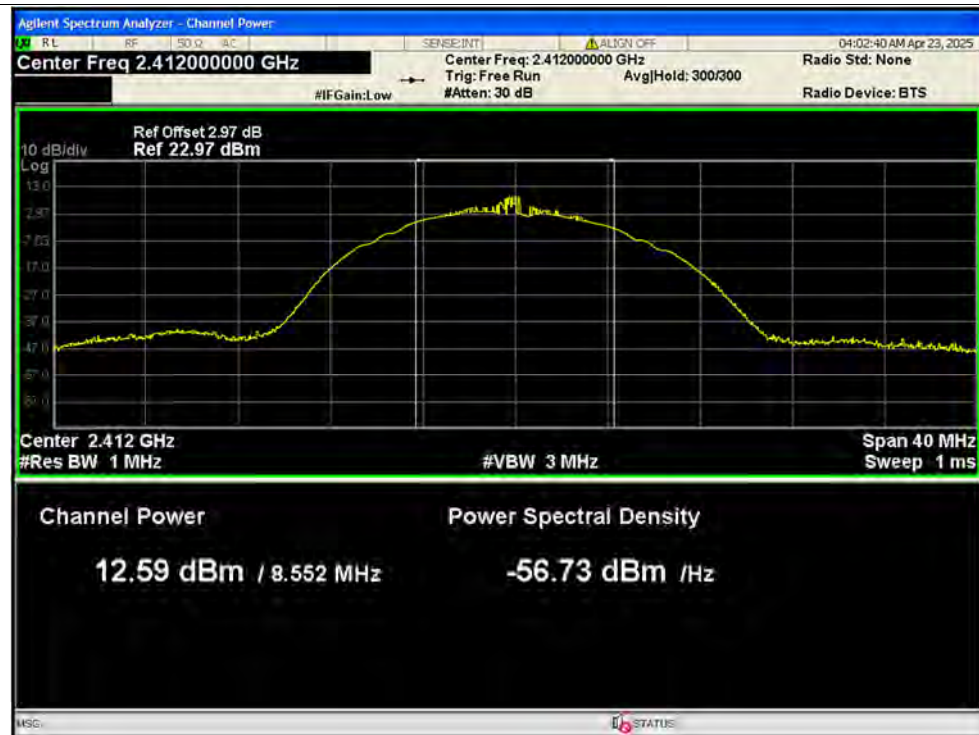


**A.2. Maximum Peak Conducted Output Power**

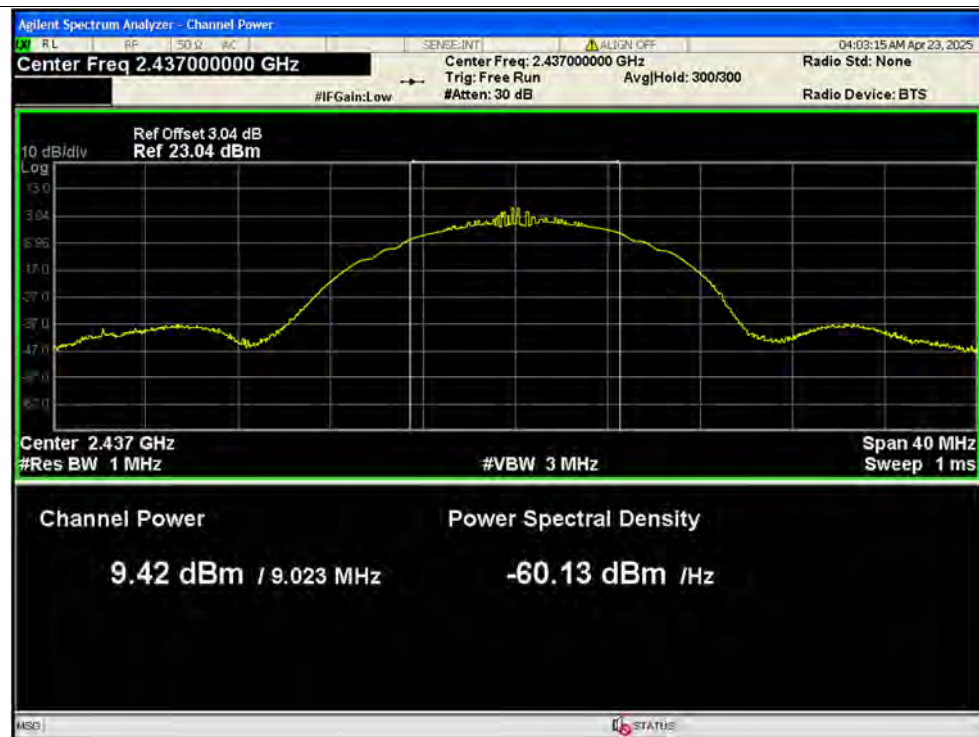
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	12.59	0	12.59	0.01816	30	Pass
NVNT	b	2437	Ant1	9.42	0	9.42	0.00875	30	Pass
NVNT	b	2462	Ant1	9.57	0	9.57	0.00906	30	Pass
NVNT	g	2412	Ant1	16.61	0	16.61	0.04581	30	Pass
NVNT	g	2437	Ant1	13.97	0	13.97	0.02495	30	Pass
NVNT	g	2462	Ant1	13.42	0	13.42	0.02198	30	Pass
NVNT	n20	2412	Ant1	16.33	0	16.33	0.04295	30	Pass
NVNT	n20	2437	Ant1	12.95	0	12.95	0.01972	30	Pass
NVNT	n20	2462	Ant1	12.75	0	12.75	0.01884	30	Pass

Test Graphs

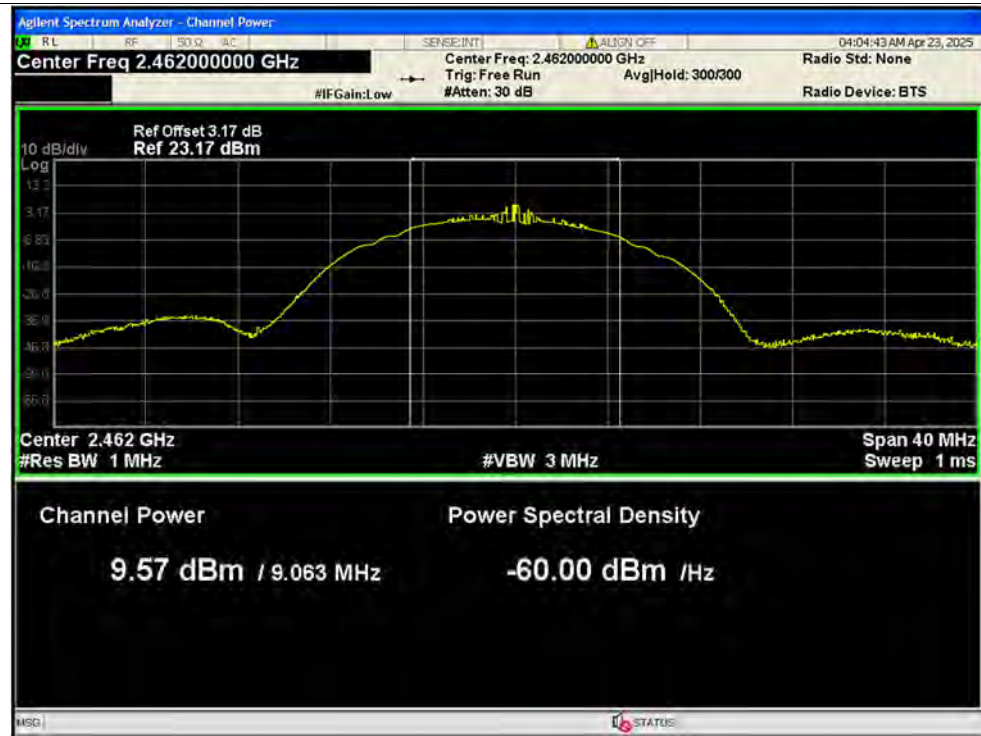
Peak Power NVNT b 2412MHz Ant1



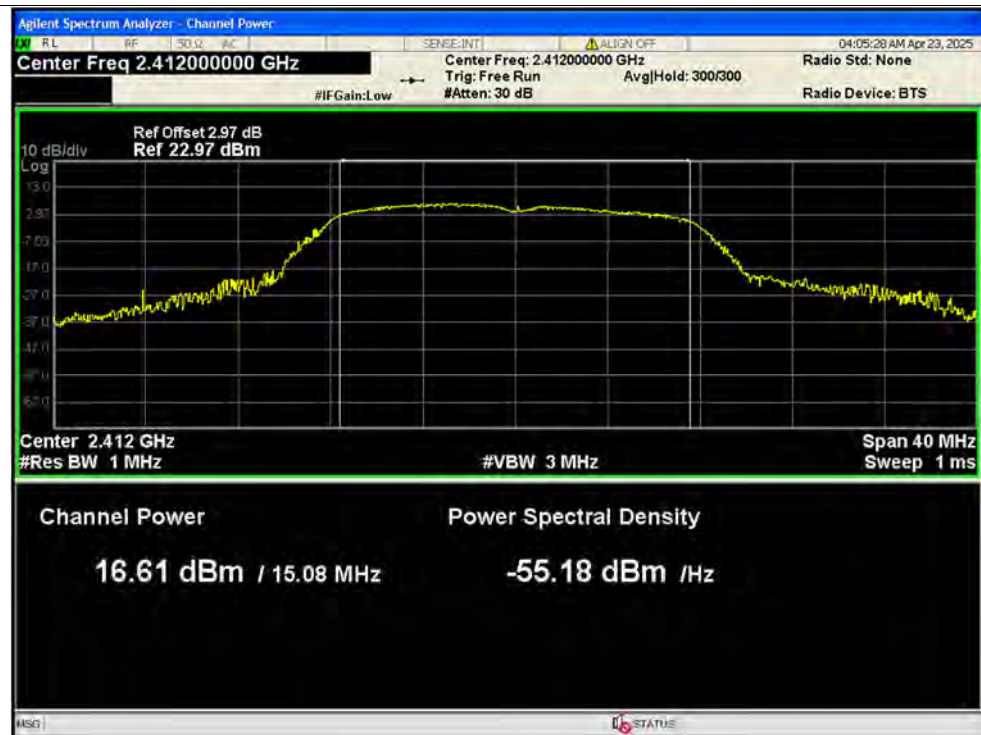
Peak Power NVNT b 2437MHz Ant1



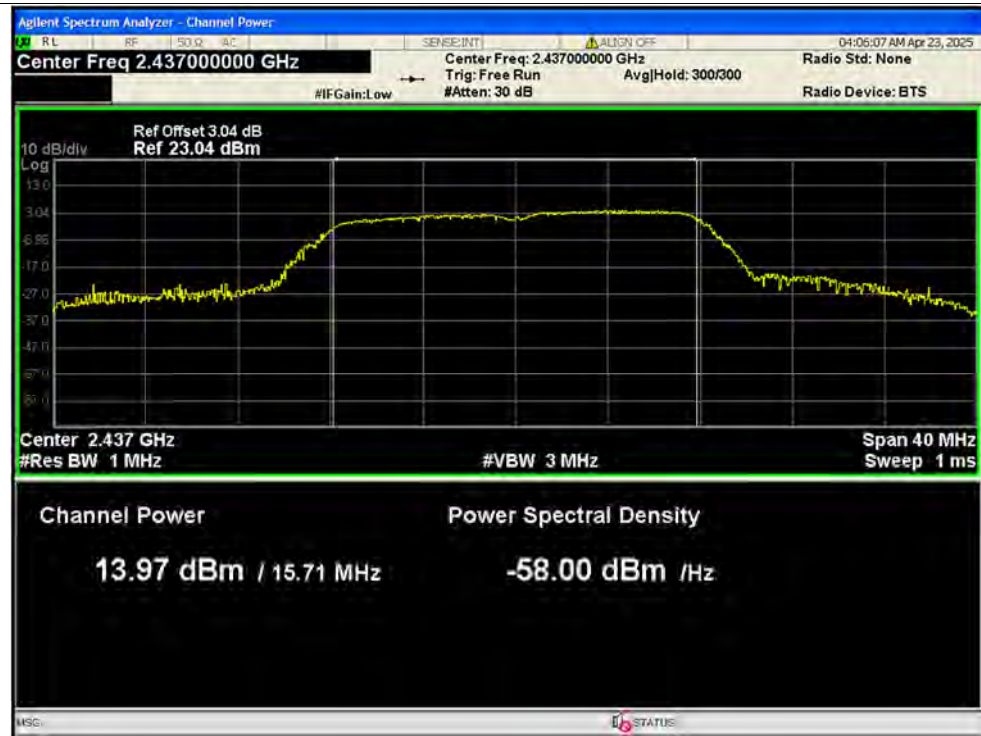
Peak Power NVNT b 2462MHz Ant1



Peak Power NVNT g 2412MHz Ant1



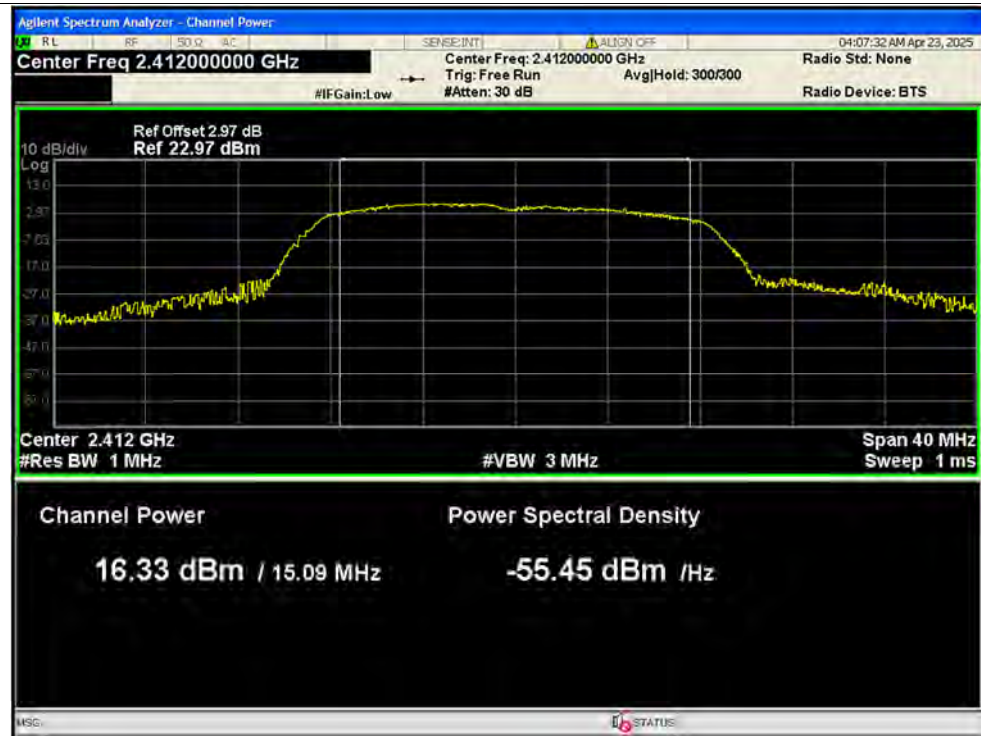
Peak Power NVNT g 2437MHz Ant1



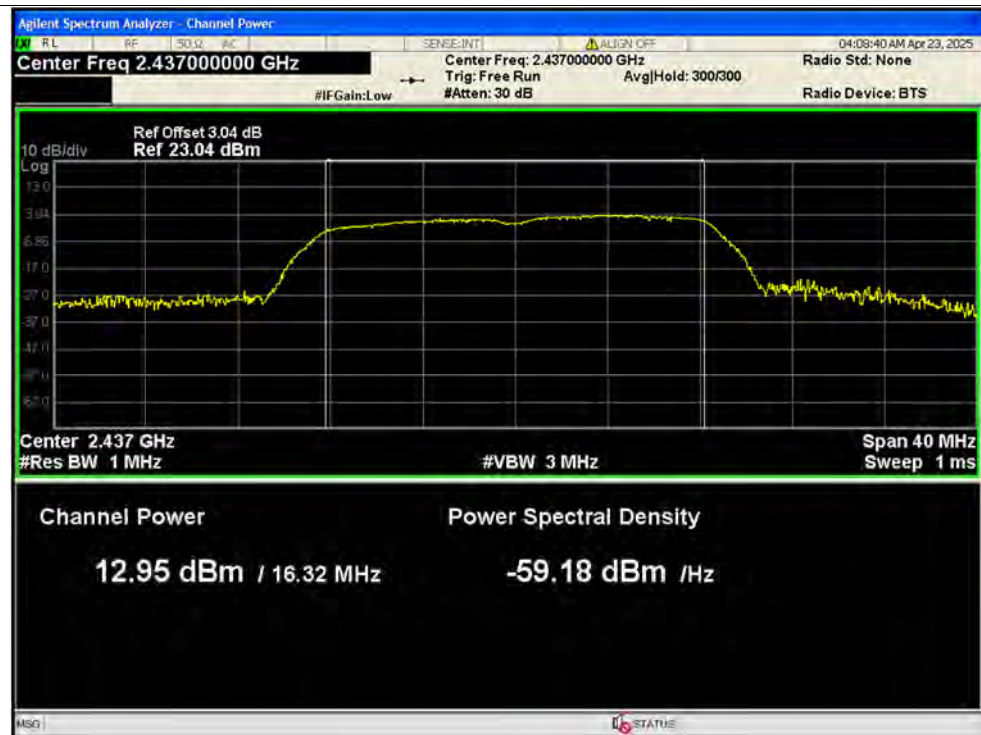
Peak Power NVNT g 2462MHz Ant1



Peak Power NVNT n20 2412MHz Ant1

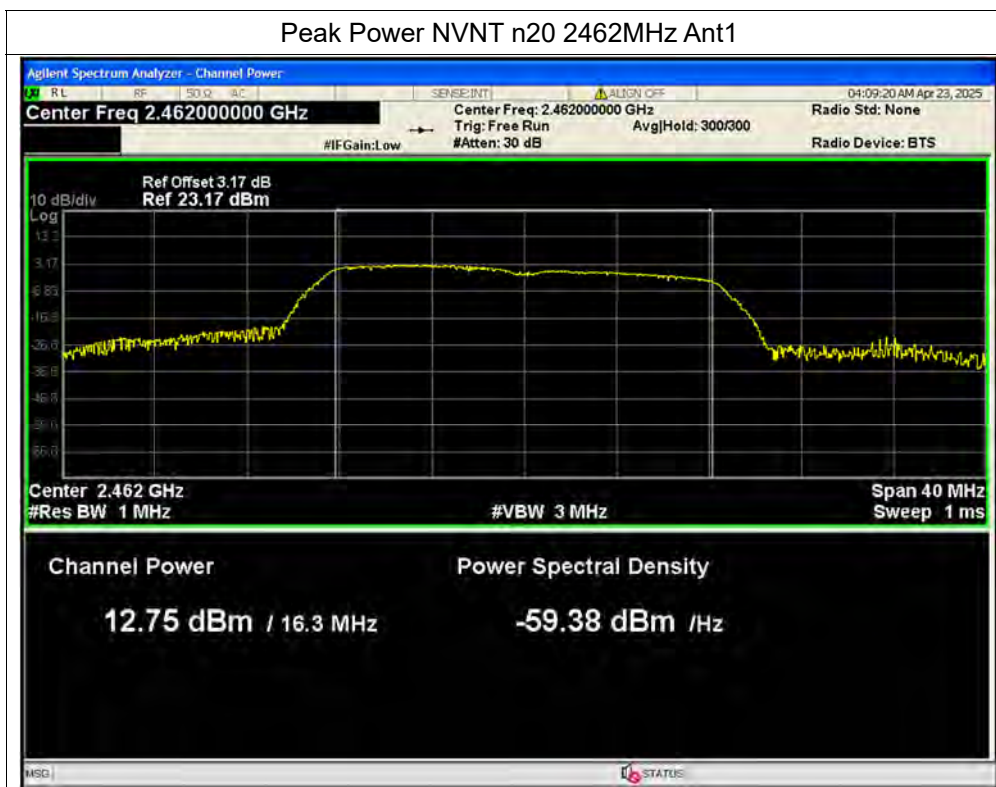


Peak Power NVNT n20 2437MHz Ant1





Peak Power NVNT n20 2462MHz Ant1

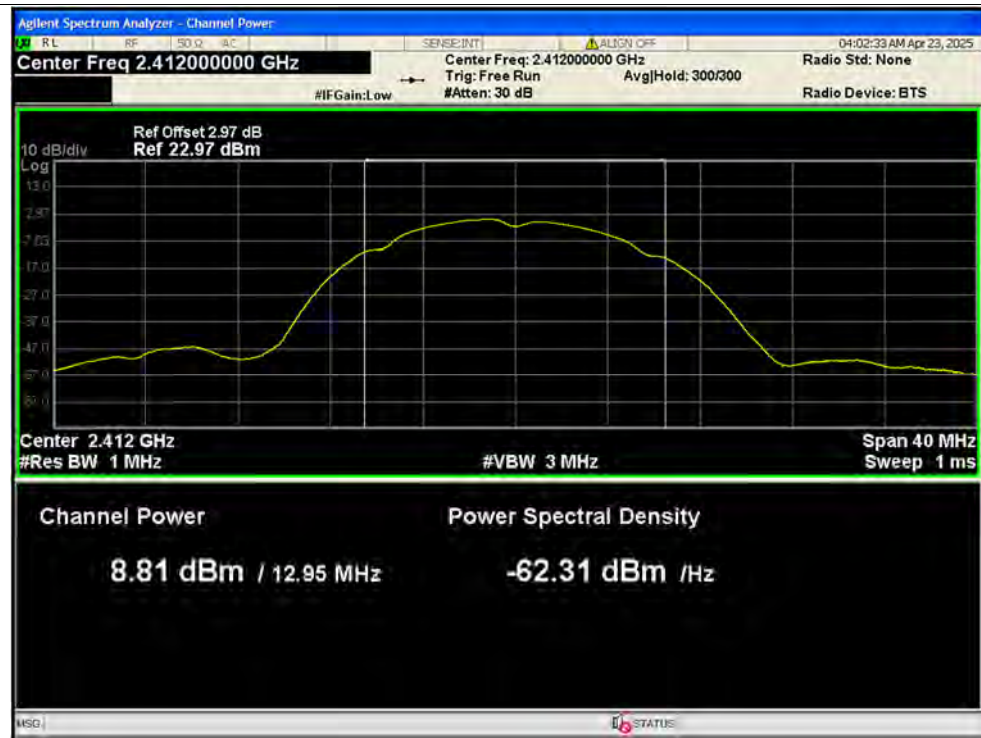


**A.3. Maximum Average Conducted Output Power**

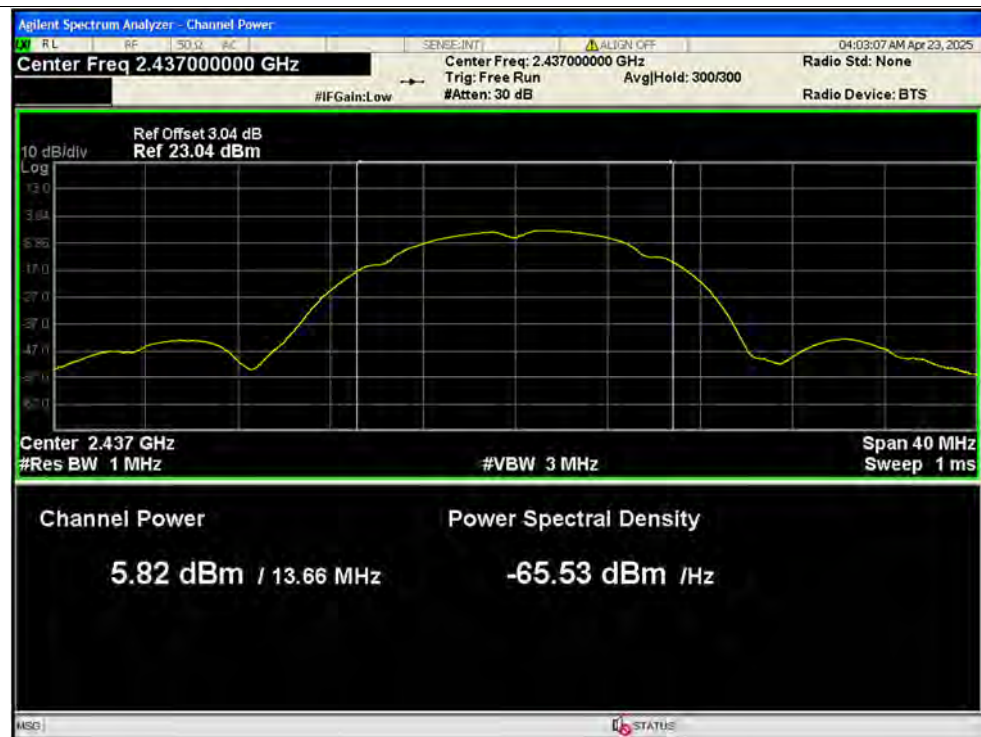
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	8.81	0.14	8.95	0.00785	30	Pass
NVNT	b	2437	Ant1	5.82	0.14	5.96	0.00394	30	Pass
NVNT	b	2462	Ant1	6.11	0.15	6.26	0.00423	30	Pass
NVNT	g	2412	Ant1	9.06	0.16	9.22	0.00836	30	Pass
NVNT	g	2437	Ant1	6.33	0.16	6.49	0.00446	30	Pass
NVNT	g	2462	Ant1	5.88	0.16	6.04	0.00402	30	Pass
NVNT	n20	2412	Ant1	8.75	0.17	8.92	0.0078	30	Pass
NVNT	n20	2437	Ant1	5.13	0.17	5.3	0.00339	30	Pass
NVNT	n20	2462	Ant1	5.02	0.17	5.19	0.0033	30	Pass

Test Graphs

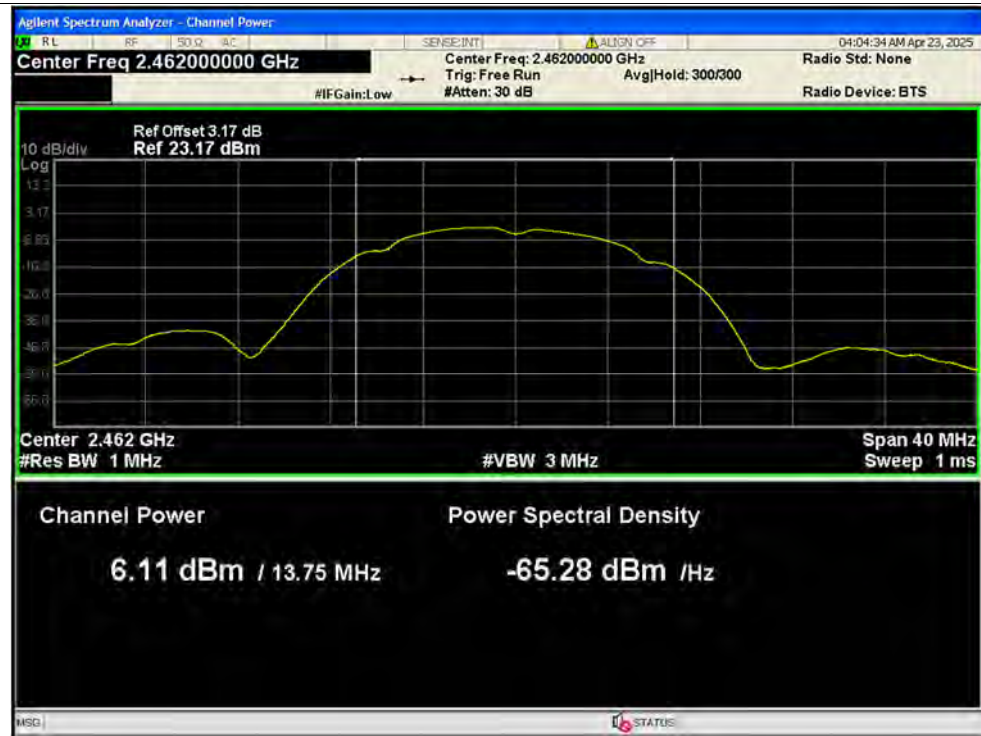
Average Power NVNT b 2412MHz Ant1



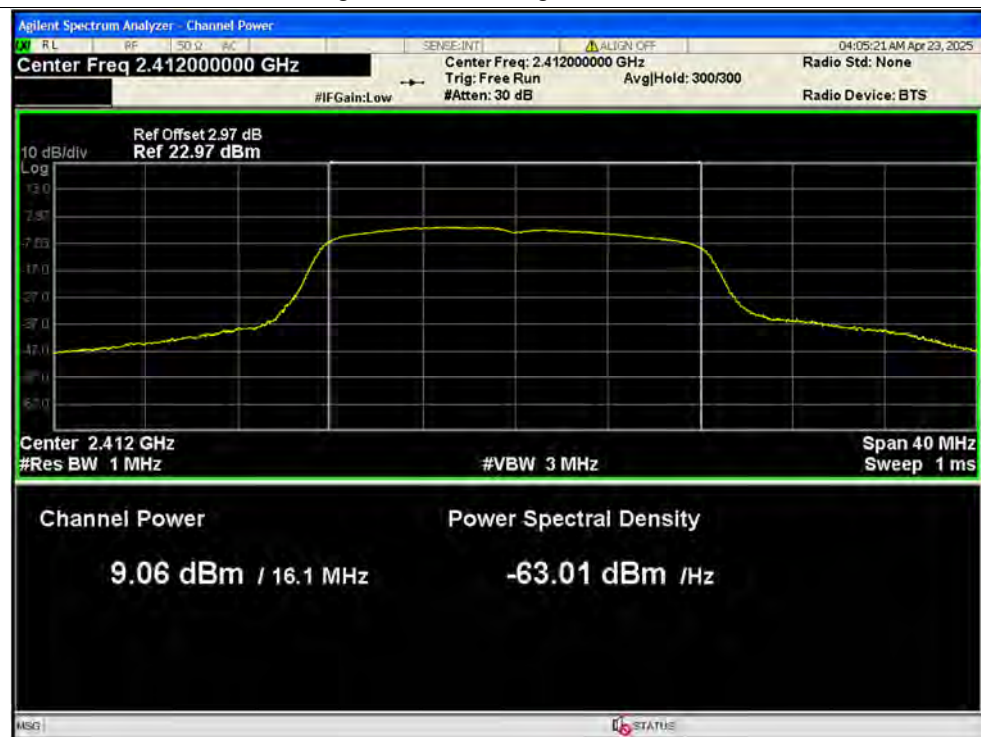
Average Power NVNT b 2437MHz Ant1



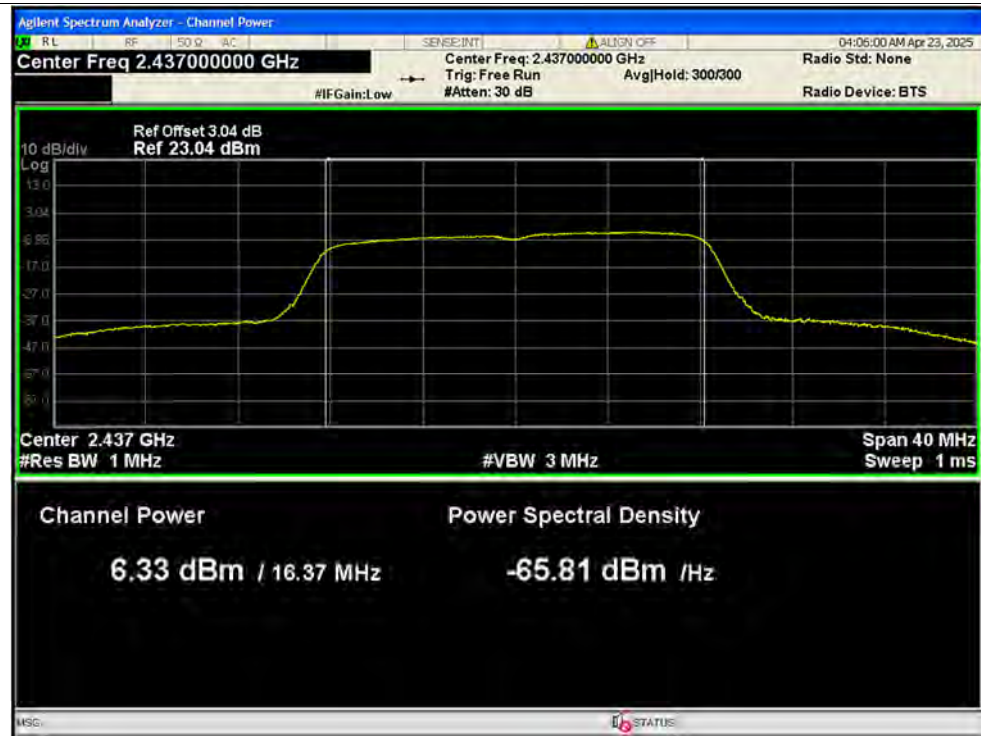
Average Power NVNT b 2462MHz Ant1



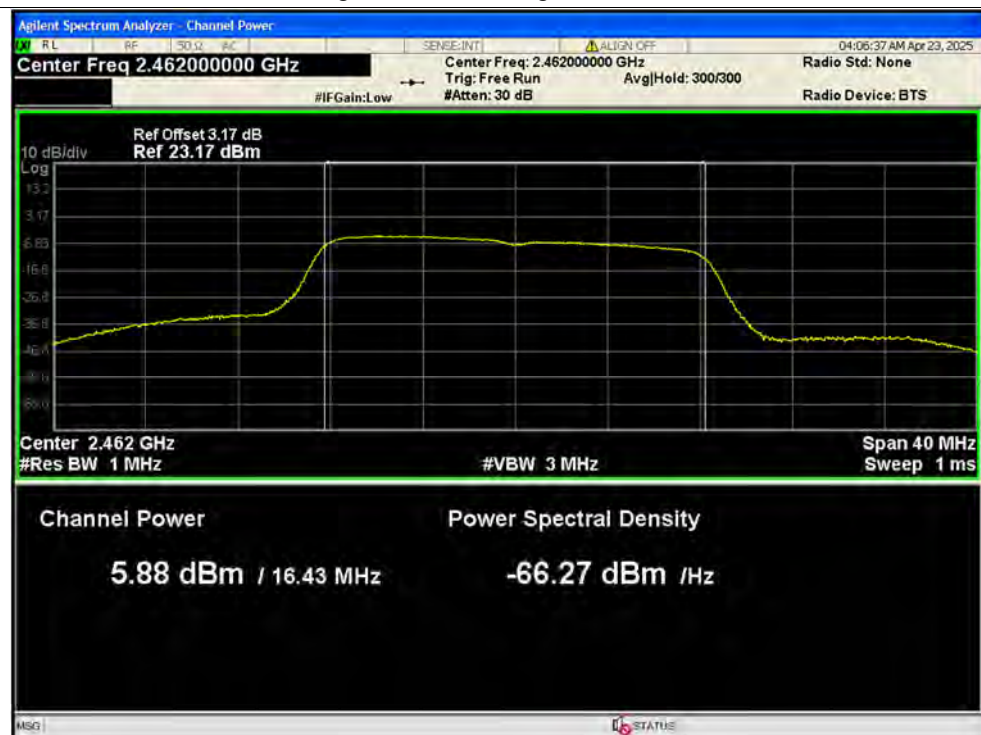
Average Power NVNT g 2412MHz Ant1



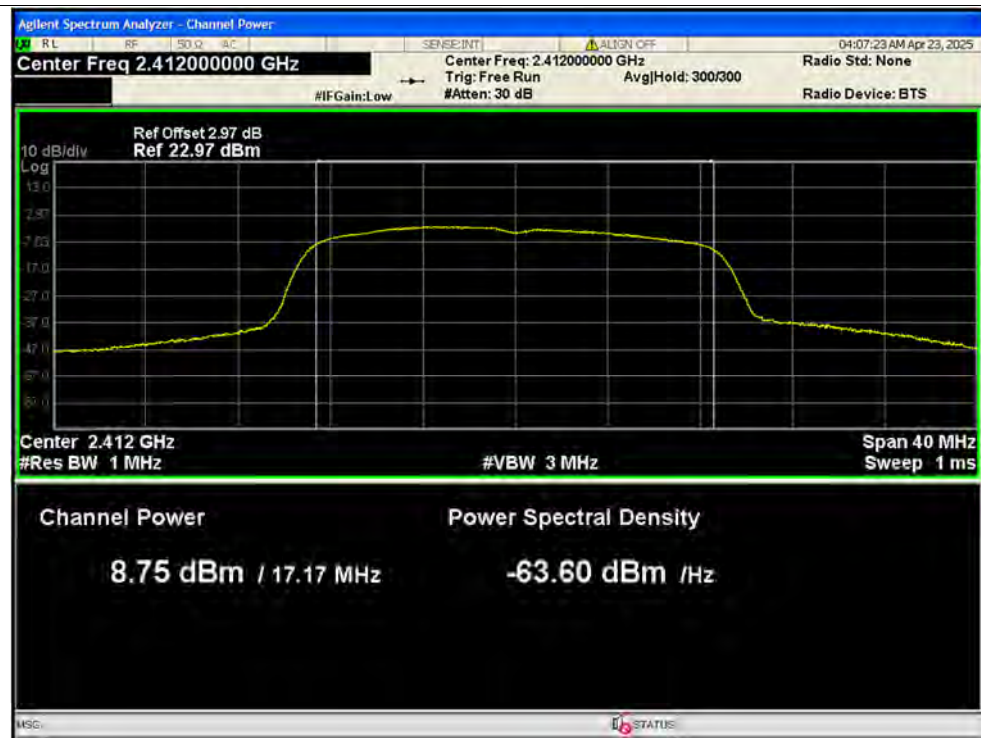
Average Power NVNT g 2437MHz Ant1



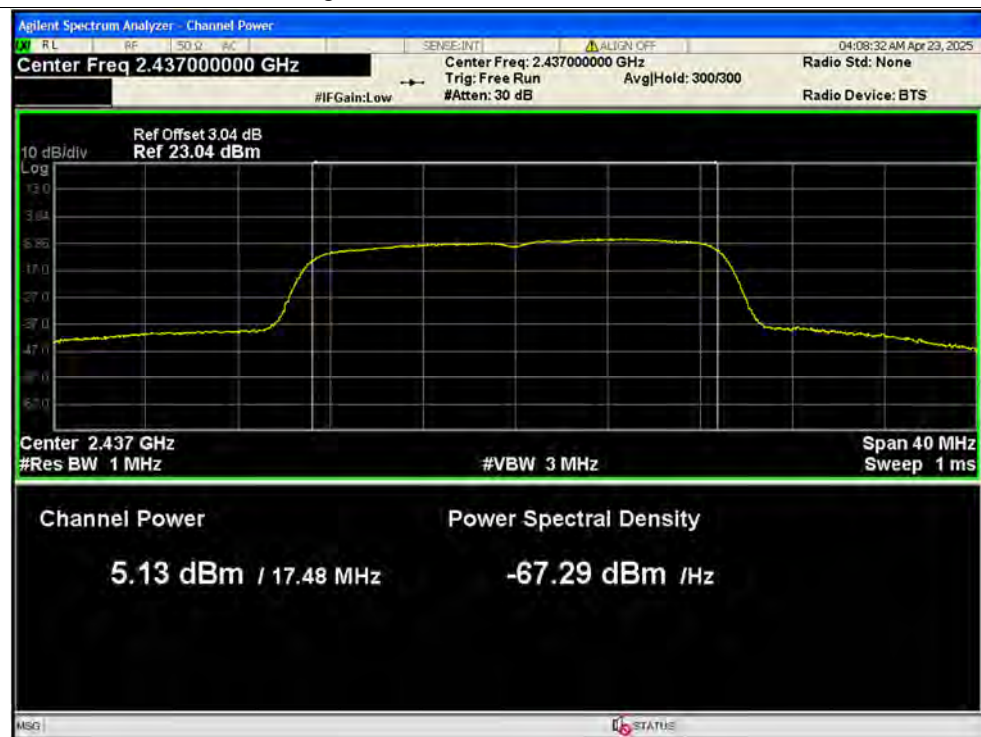
Average Power NVNT g 2462MHz Ant1



Average Power NVNT n20 2412MHz Ant1

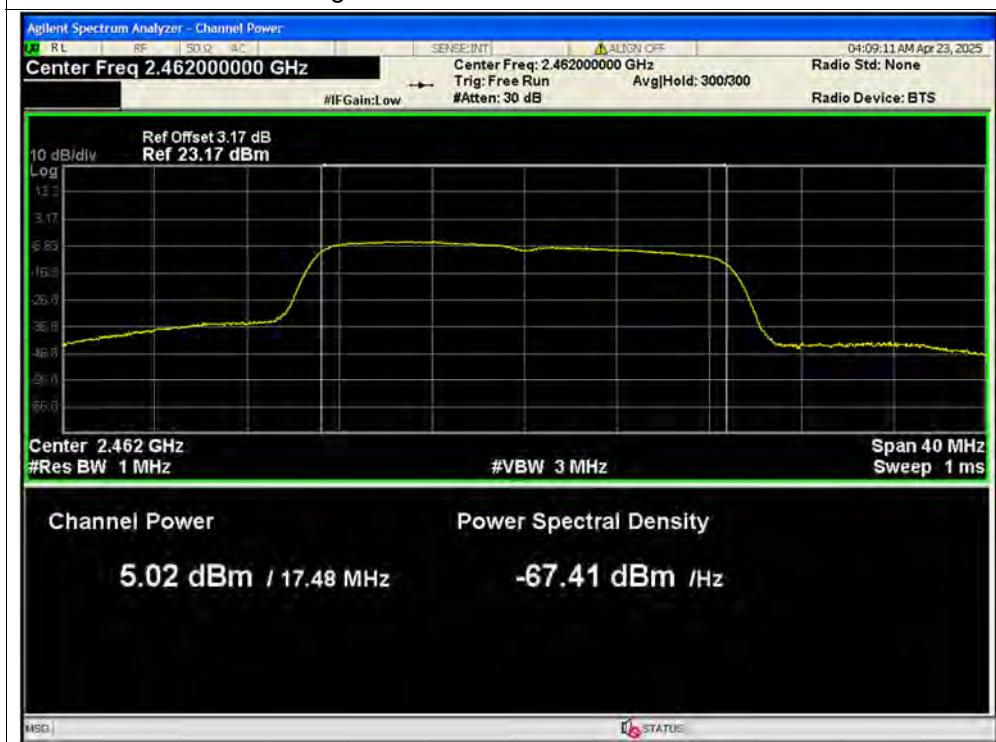


Average Power NVNT n20 2437MHz Ant1





Average Power NVNT n20 2462MHz Ant1



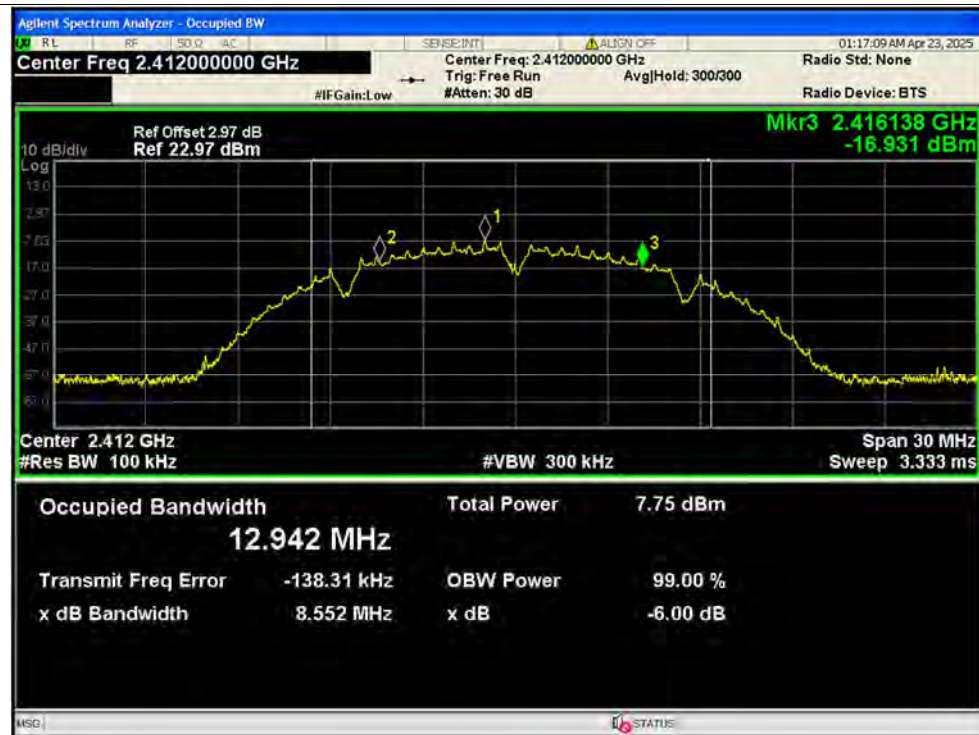
**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.552	0.5	Pass
NVNT	b	2437	Ant1	9.023	0.5	Pass
NVNT	b	2462	Ant1	9.063	0.5	Pass
NVNT	g	2412	Ant1	15.08	0.5	Pass
NVNT	g	2437	Ant1	15.71	0.5	Pass
NVNT	g	2462	Ant1	15.66	0.5	Pass
NVNT	n20	2412	Ant1	15.09	0.5	Pass
NVNT	n20	2437	Ant1	16.32	0.5	Pass
NVNT	n20	2462	Ant1	16.3	0.5	Pass



Test Graphs

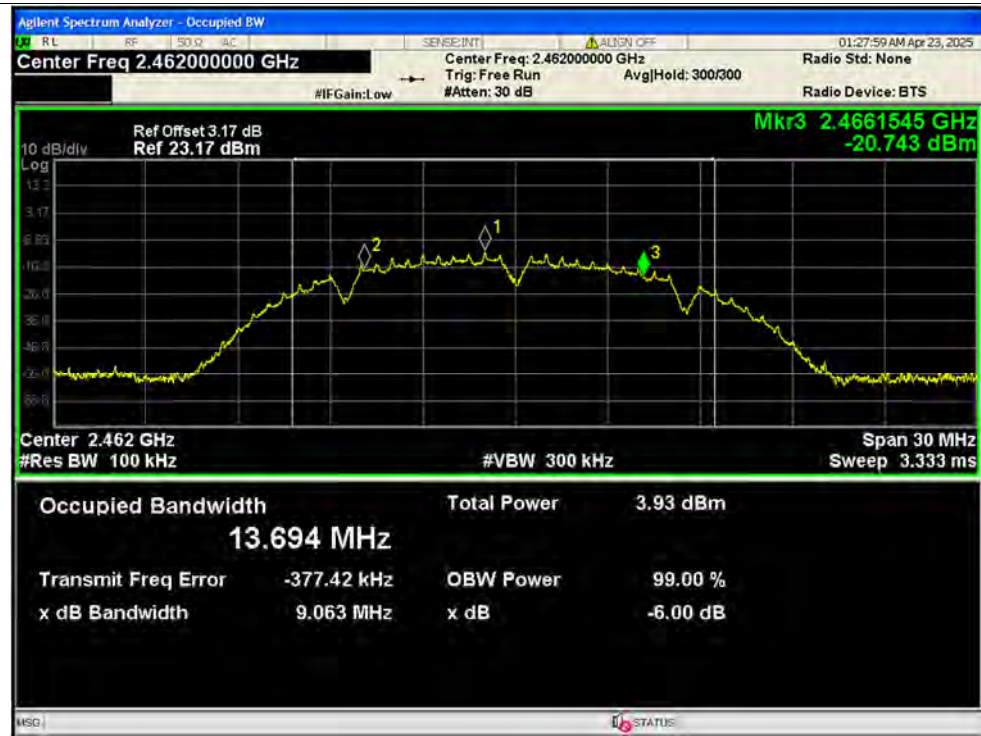
-6dB Bandwidth NVNT b 2412MHz Ant1



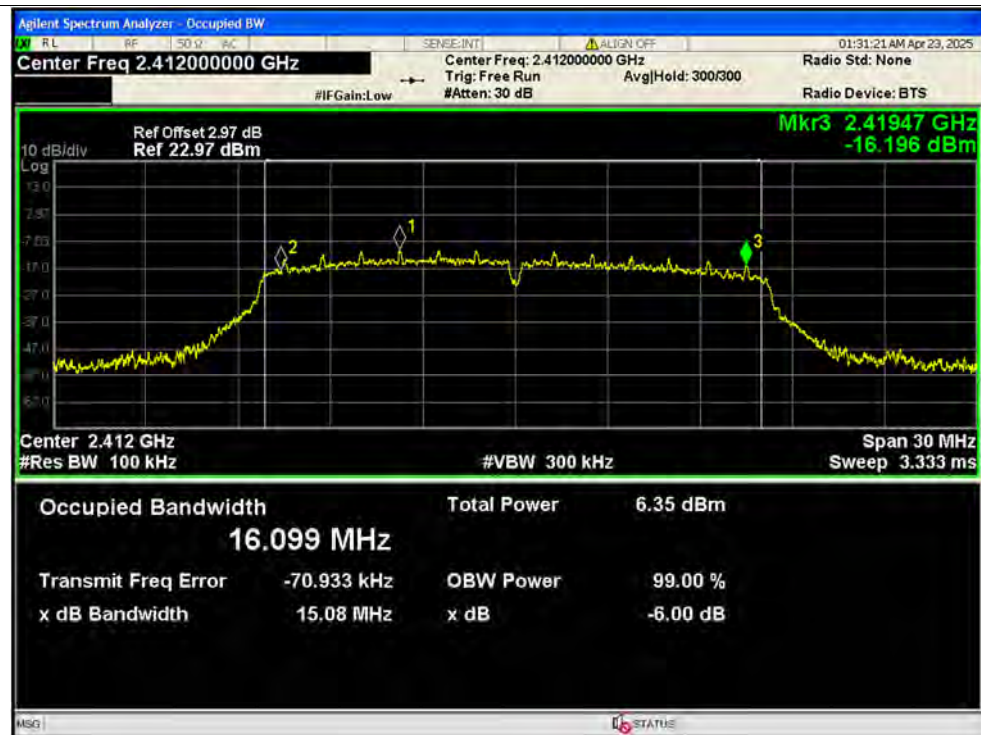
-6dB Bandwidth NVNT b 2437MHz Ant1



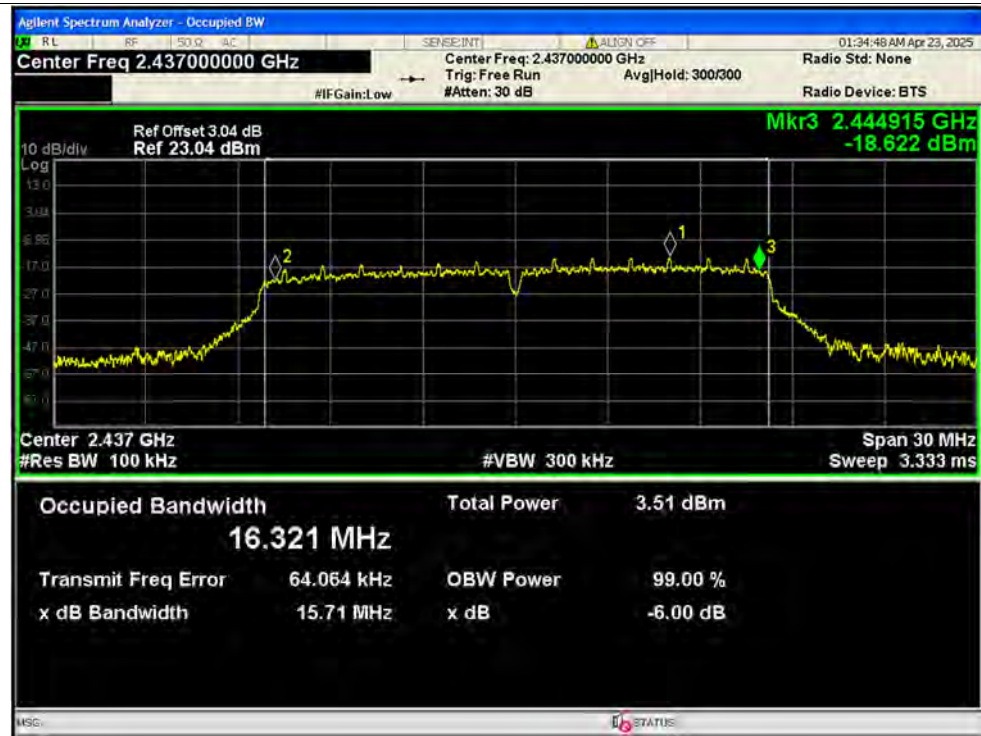
-6dB Bandwidth NVNT b 2462MHz Ant1



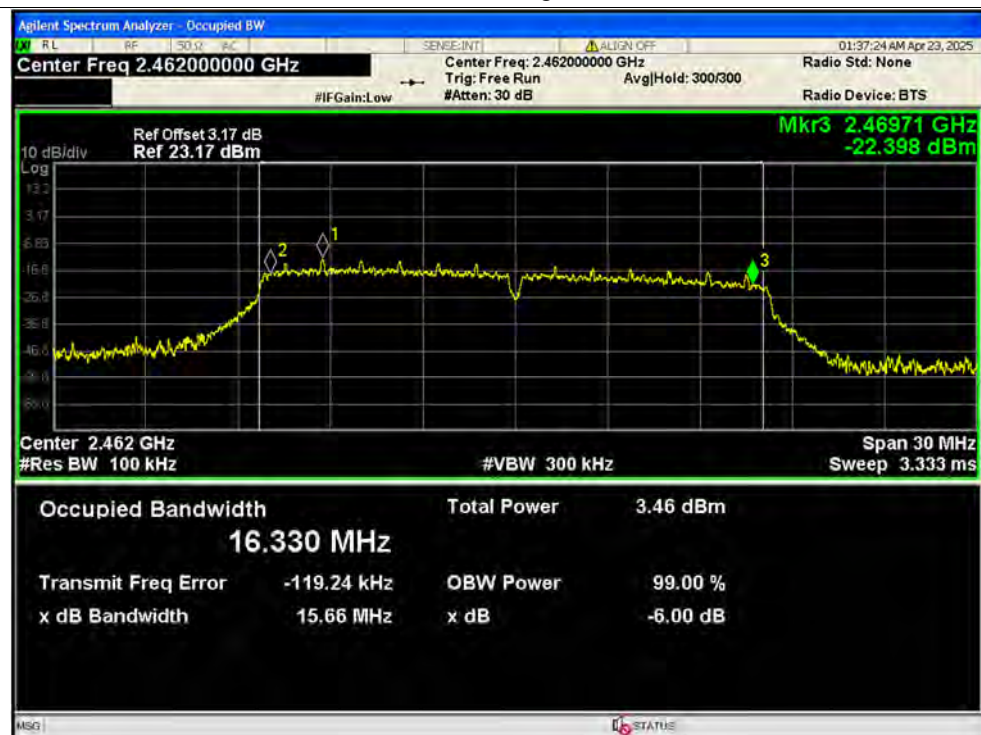
-6dB Bandwidth NVNT g 2412MHz Ant1



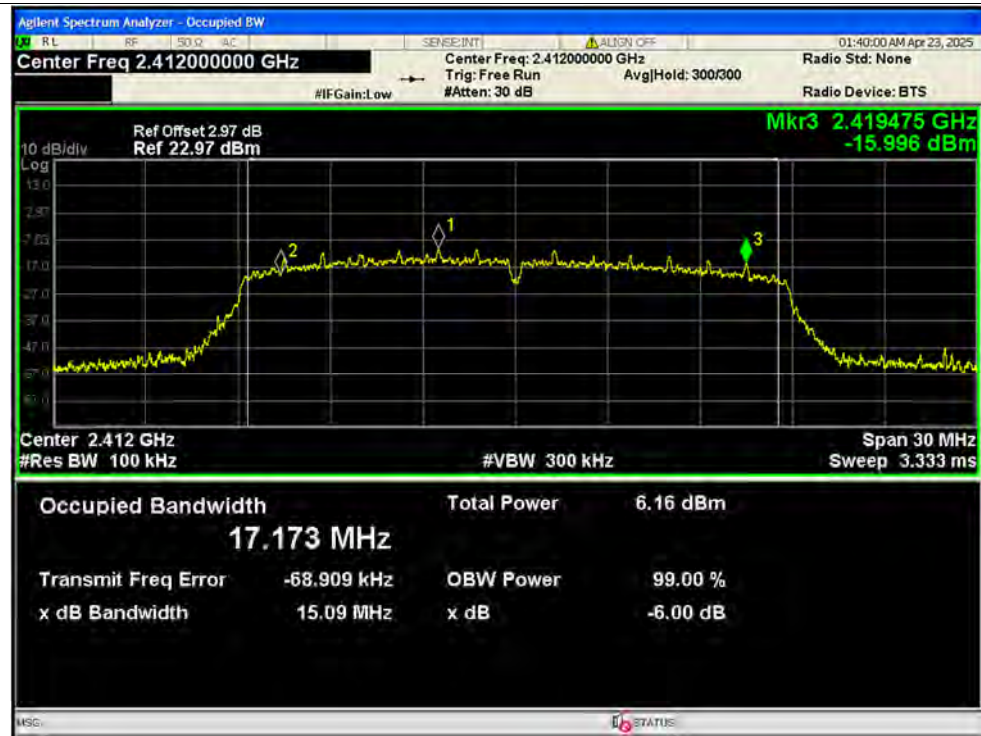
-6dB Bandwidth NVNT g 2437MHz Ant1



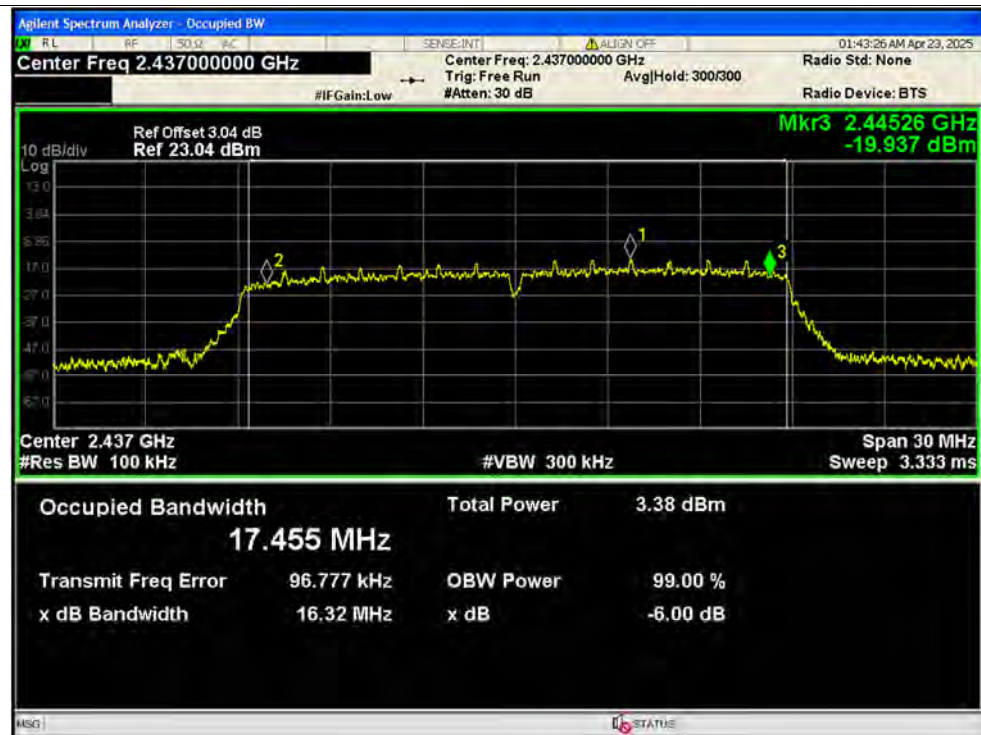
-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1

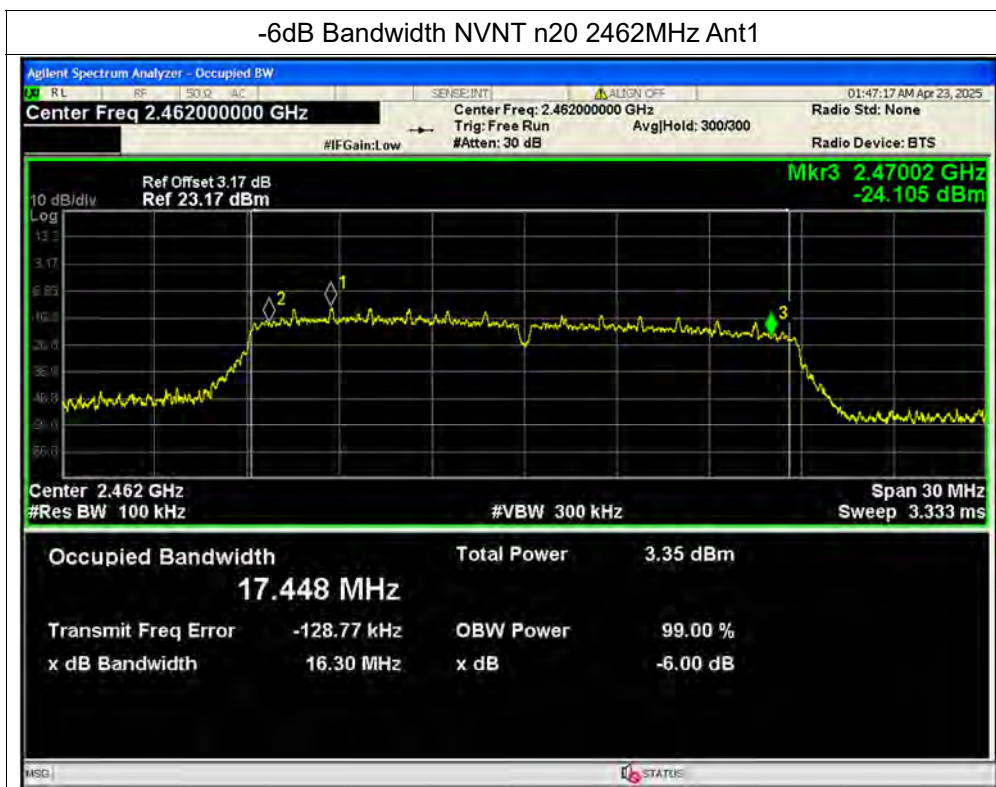


-6dB Bandwidth NVNT n20 2437MHz Ant1





-6dB Bandwidth NVNT n20 2462MHz Ant1



**A.5. Conducted Spurious Emissions**

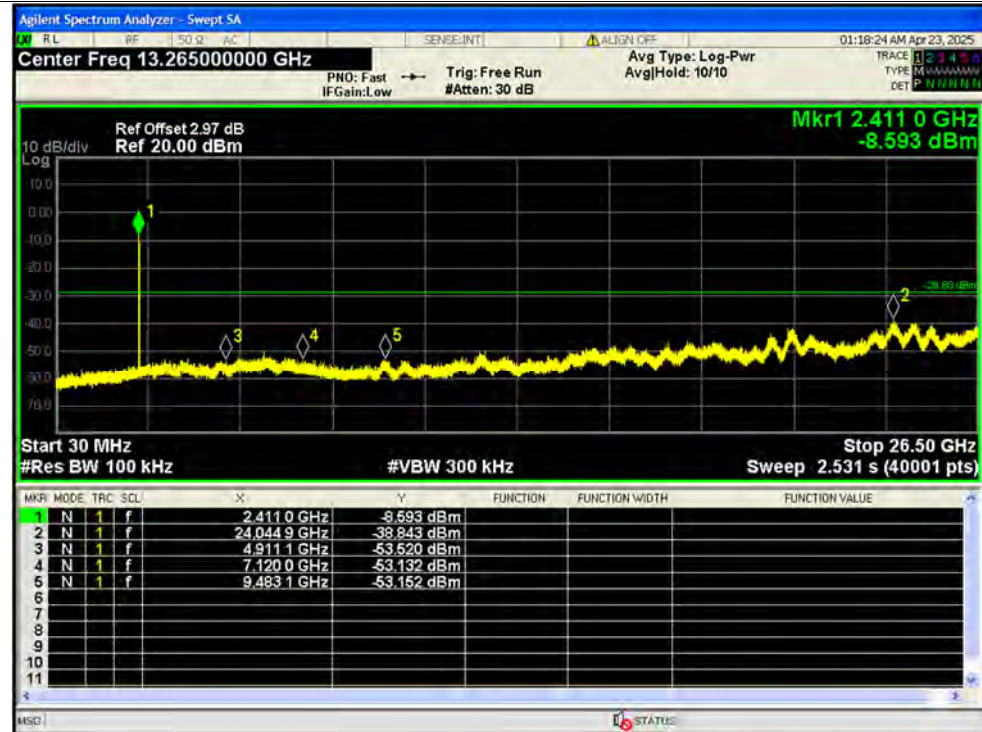
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-30.04	-20	Pass
NVNT	b	2437	Ant1	-26.86	-20	Pass
NVNT	b	2462	Ant1	-26.98	-20	Pass
NVNT	g	2412	Ant1	-28.13	-20	Pass
NVNT	g	2437	Ant1	-25.83	-20	Pass
NVNT	g	2462	Ant1	-25.17	-20	Pass
NVNT	n20	2412	Ant1	-28.39	-20	Pass
NVNT	n20	2437	Ant1	-25.52	-20	Pass
NVNT	n20	2462	Ant1	-22.06	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



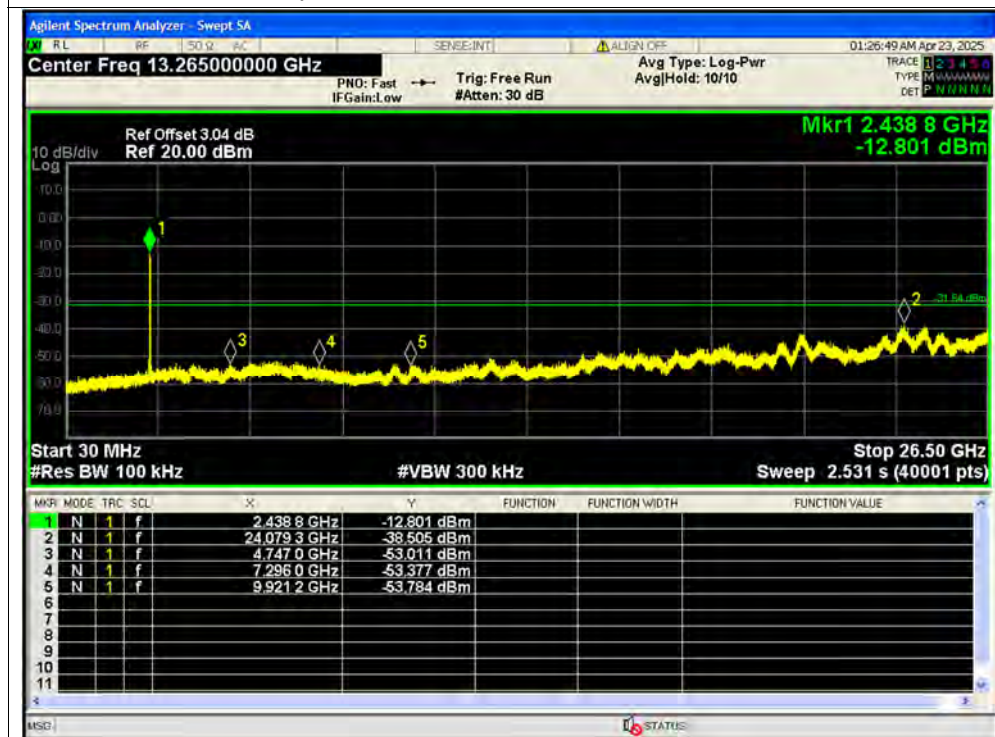
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



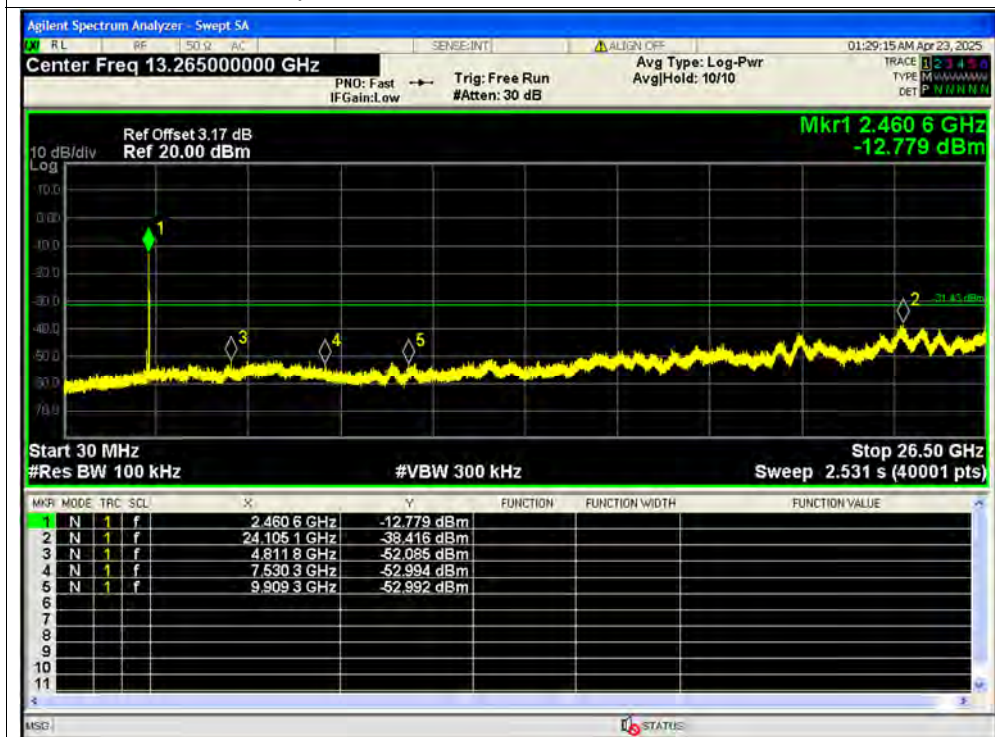
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



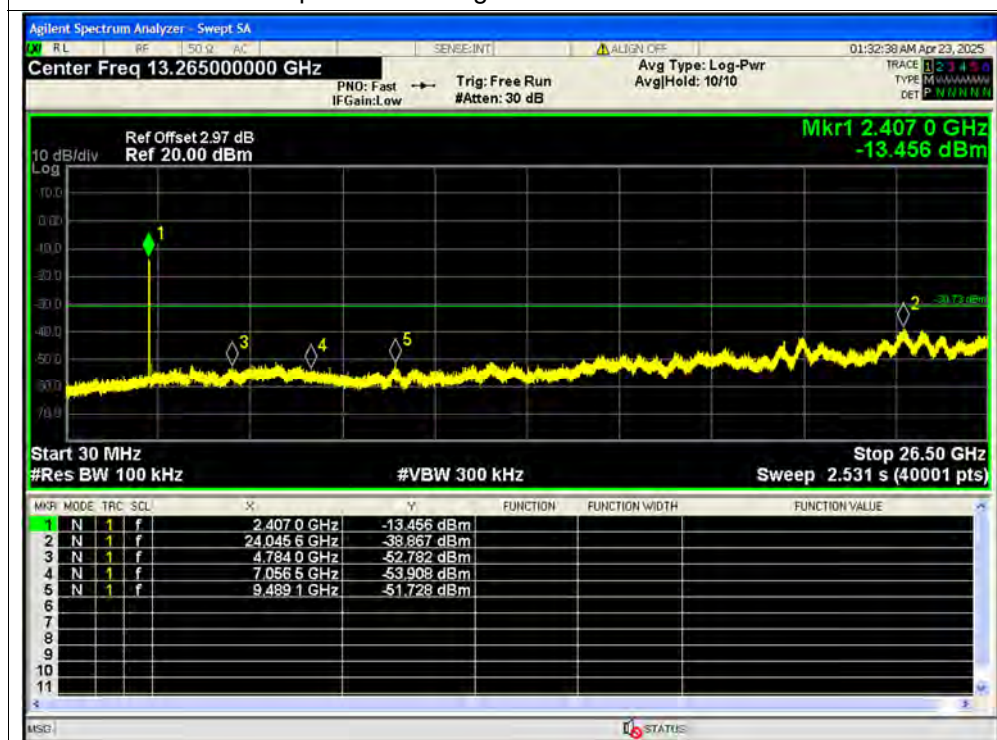
Tx. Spurious NVNT b 2462MHz Ant1 Emission



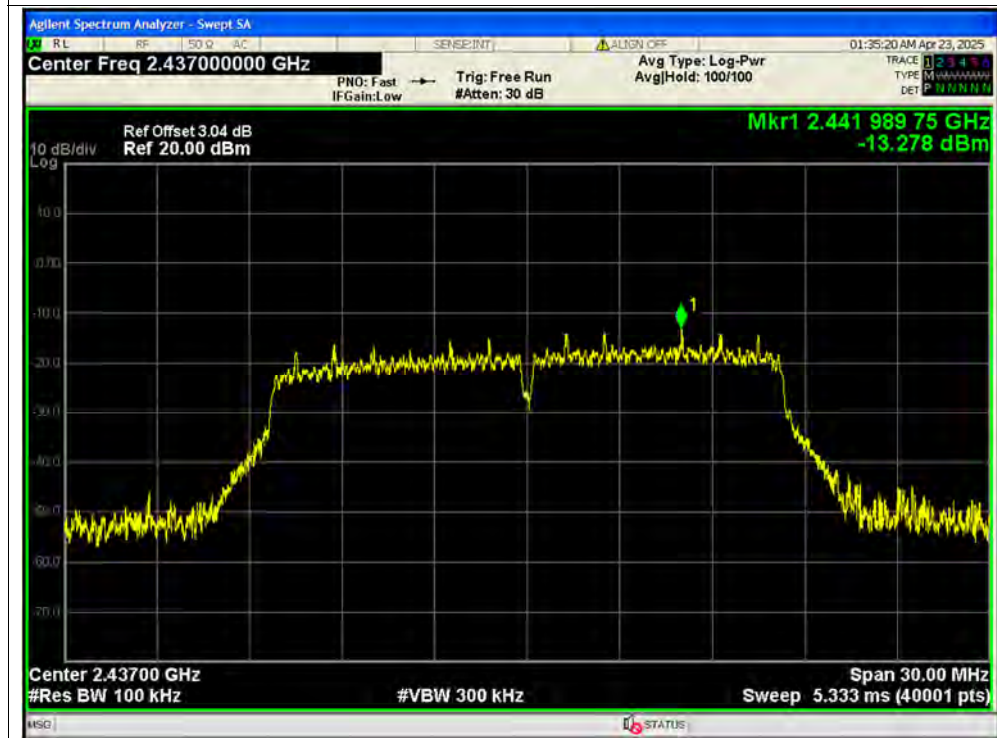
Tx. Spurious NVNT g 2412MHz Ant1 Ref



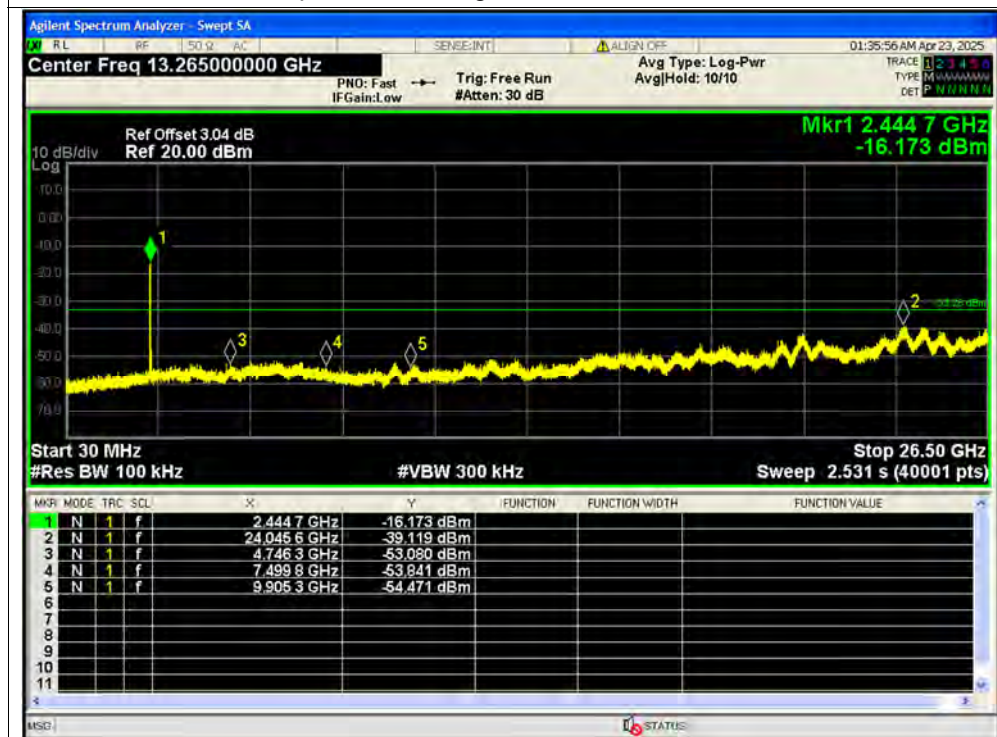
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref



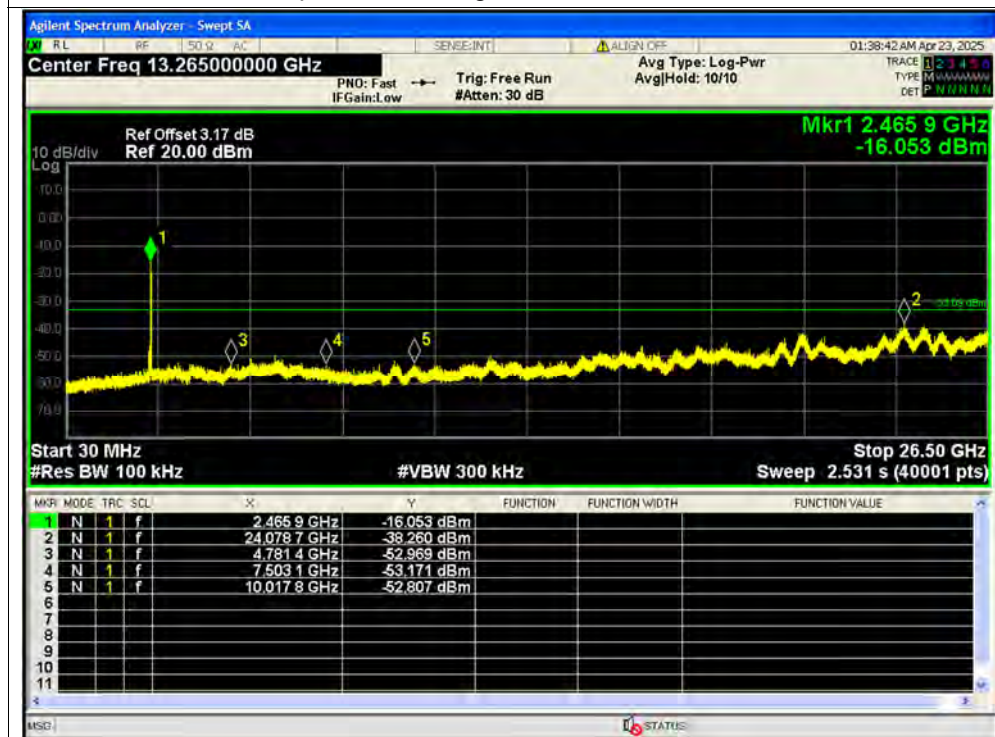
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



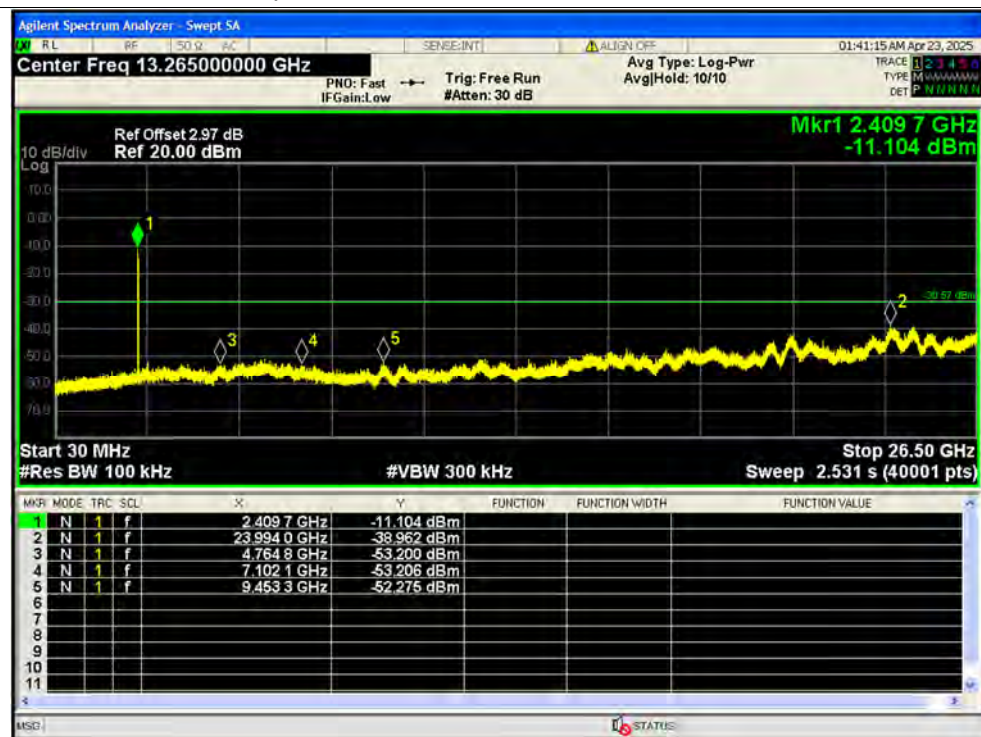
Tx. Spurious NVNT g 2462MHz Ant1 Emission



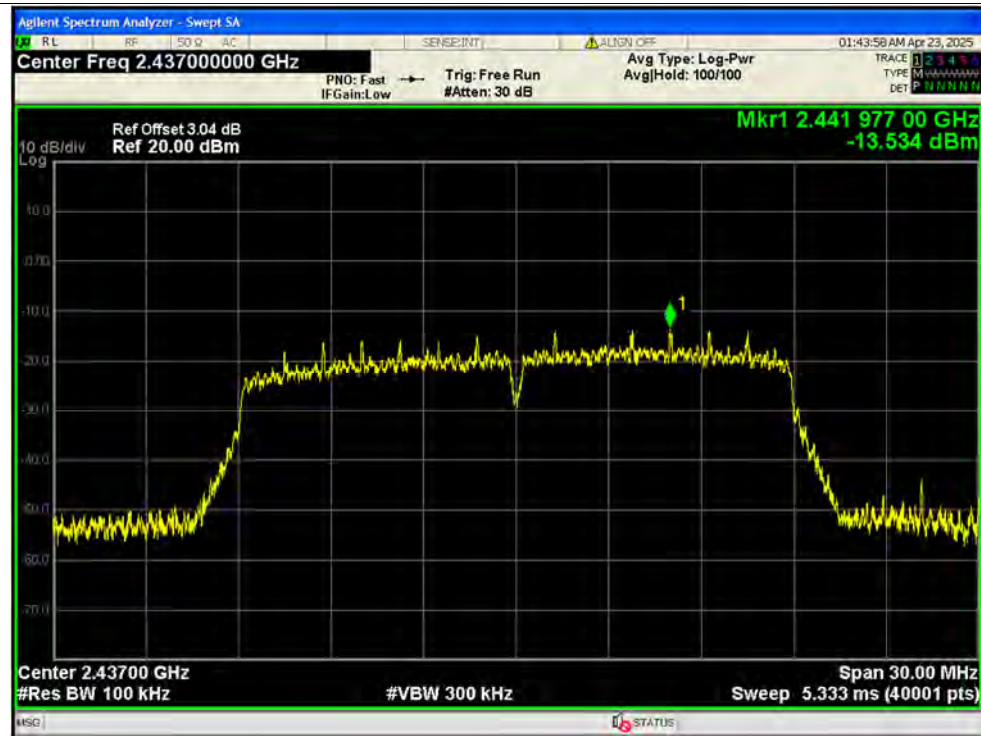
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



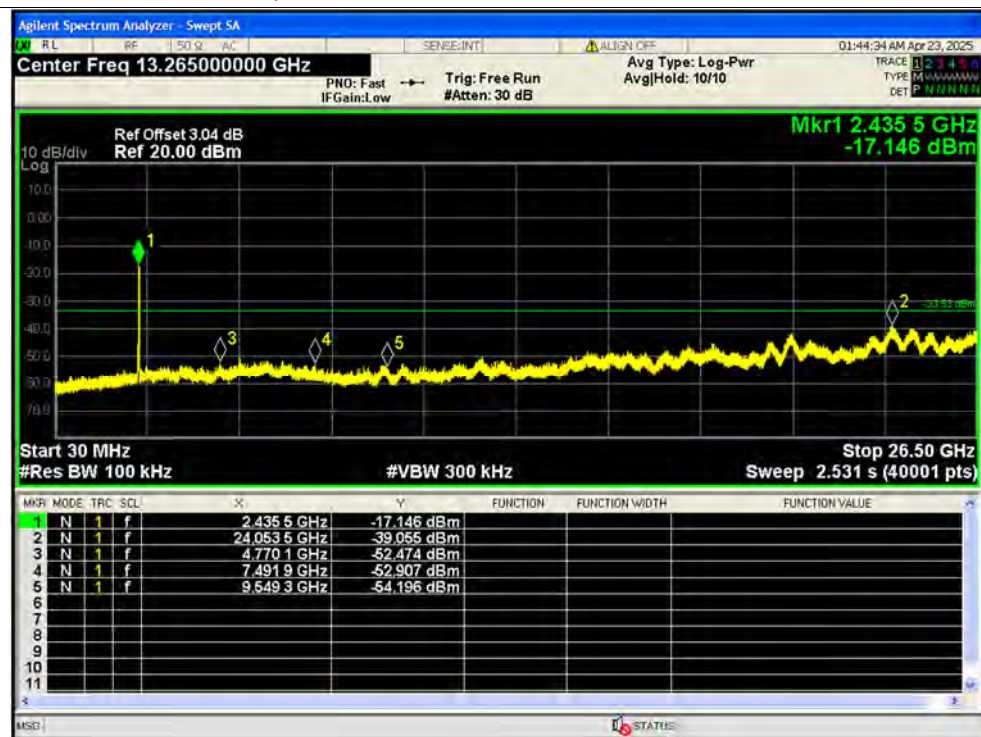
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



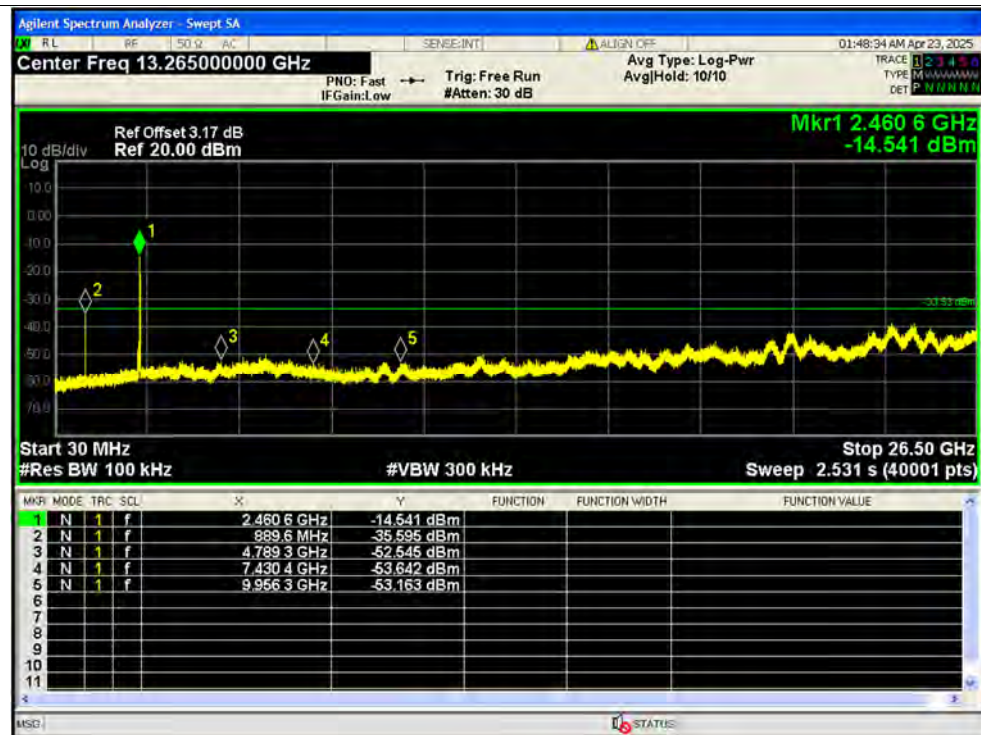
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission



**A.6. Band Edge**

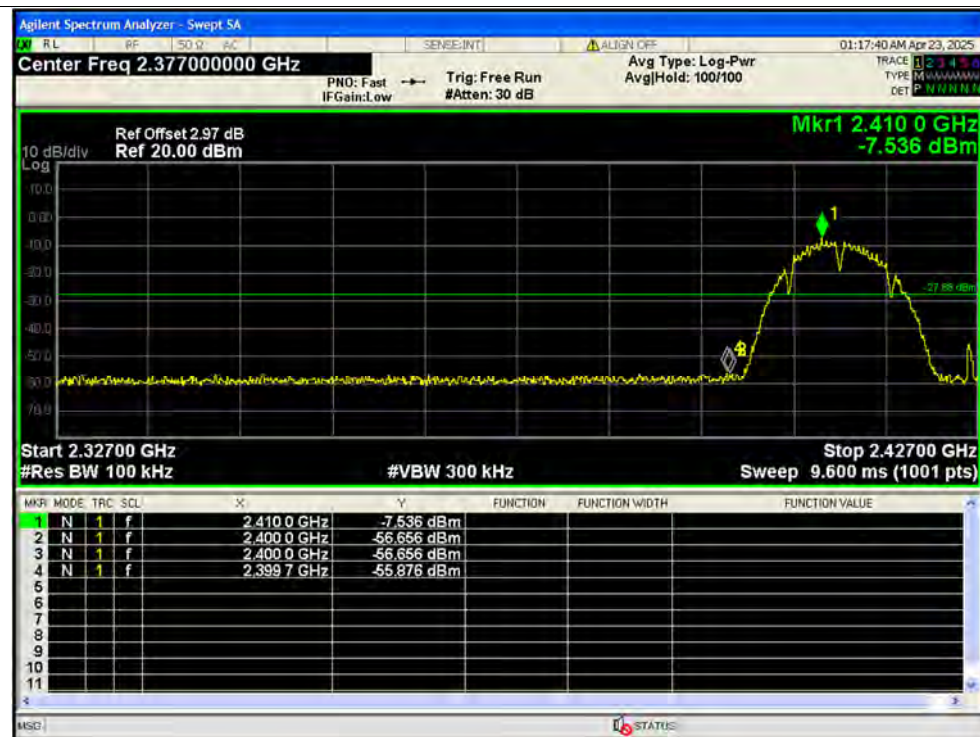
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.99	-20	Pass
NVNT	b	2462	Ant1	-44.02	-20	Pass
NVNT	g	2412	Ant1	-36.64	-20	Pass
NVNT	g	2462	Ant1	-43.53	-20	Pass
NVNT	n20	2412	Ant1	-38.56	-20	Pass
NVNT	n20	2462	Ant1	-42.56	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



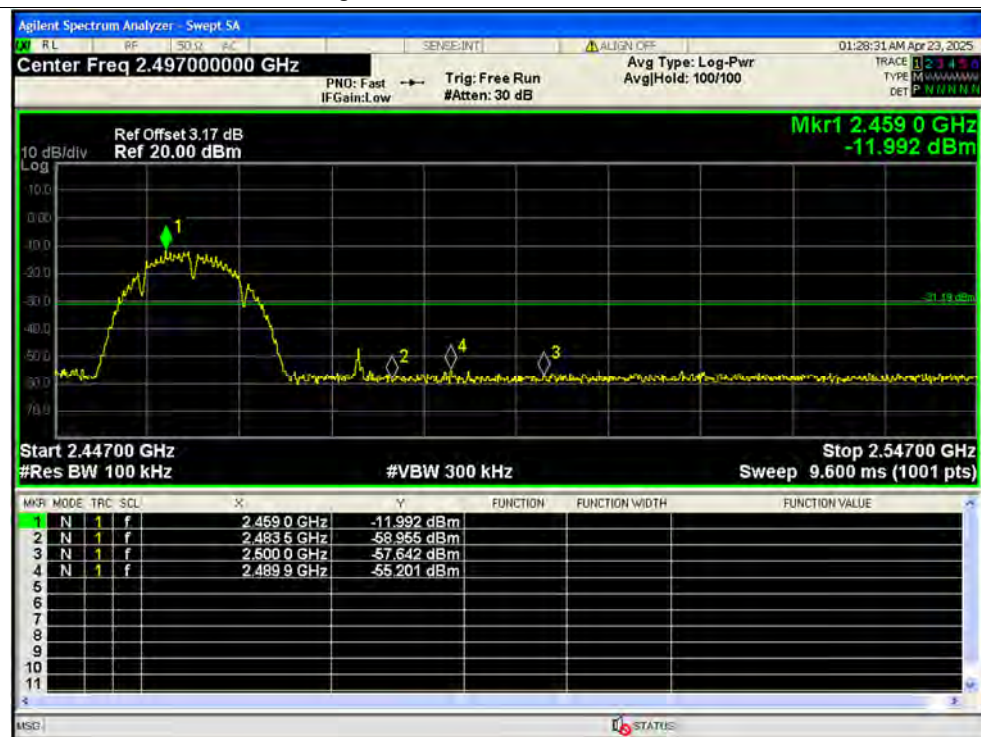
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



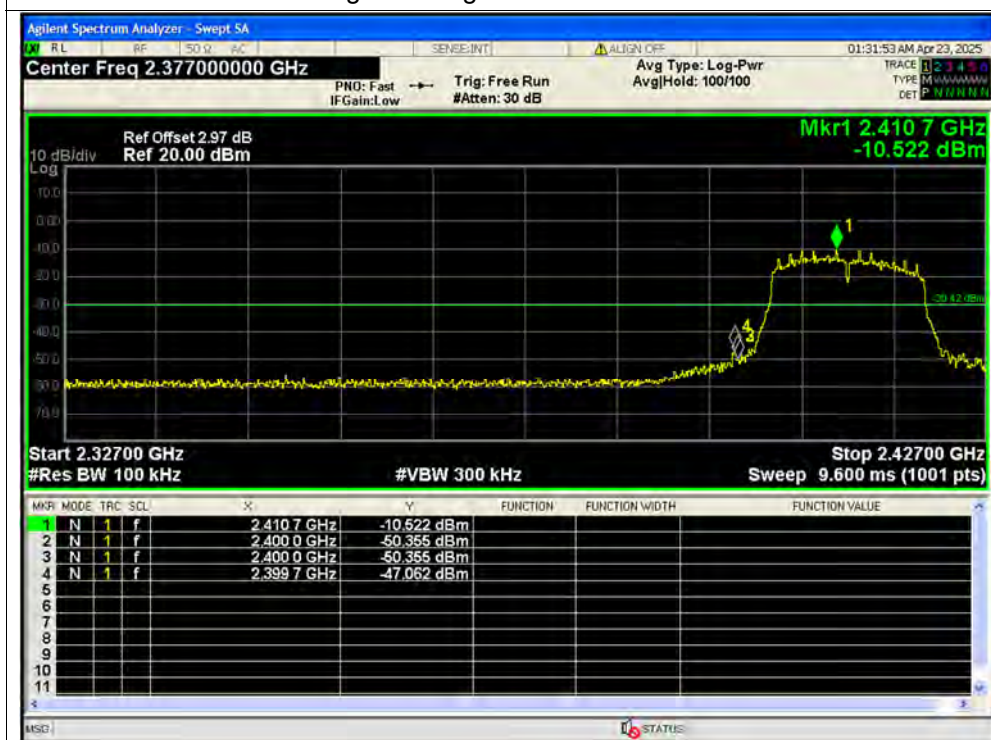
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



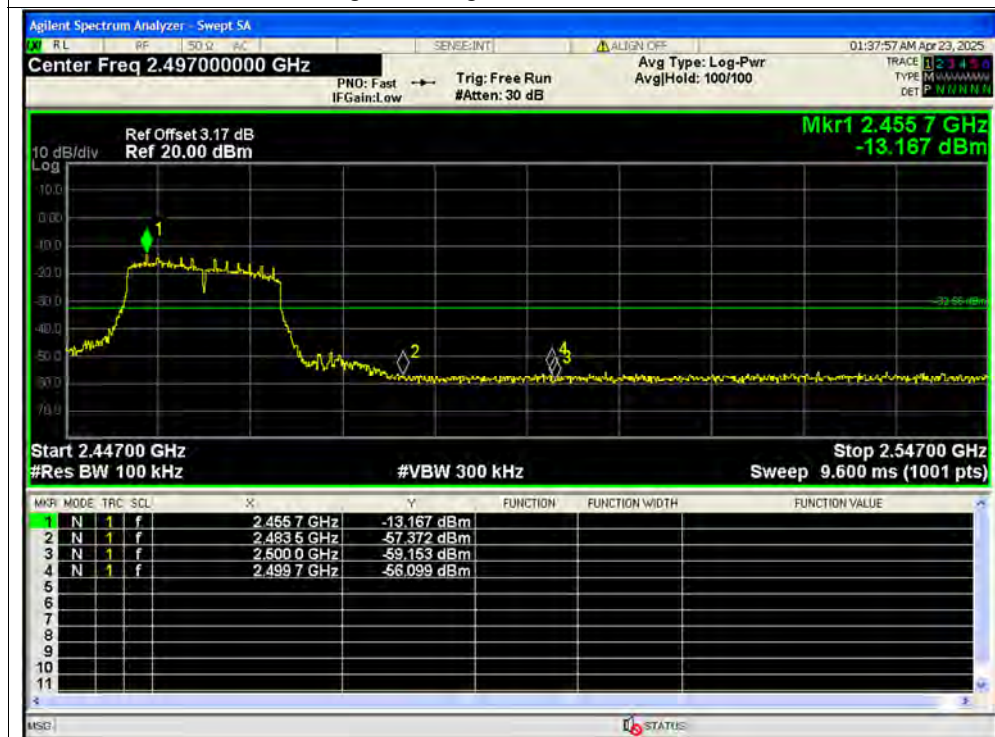
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



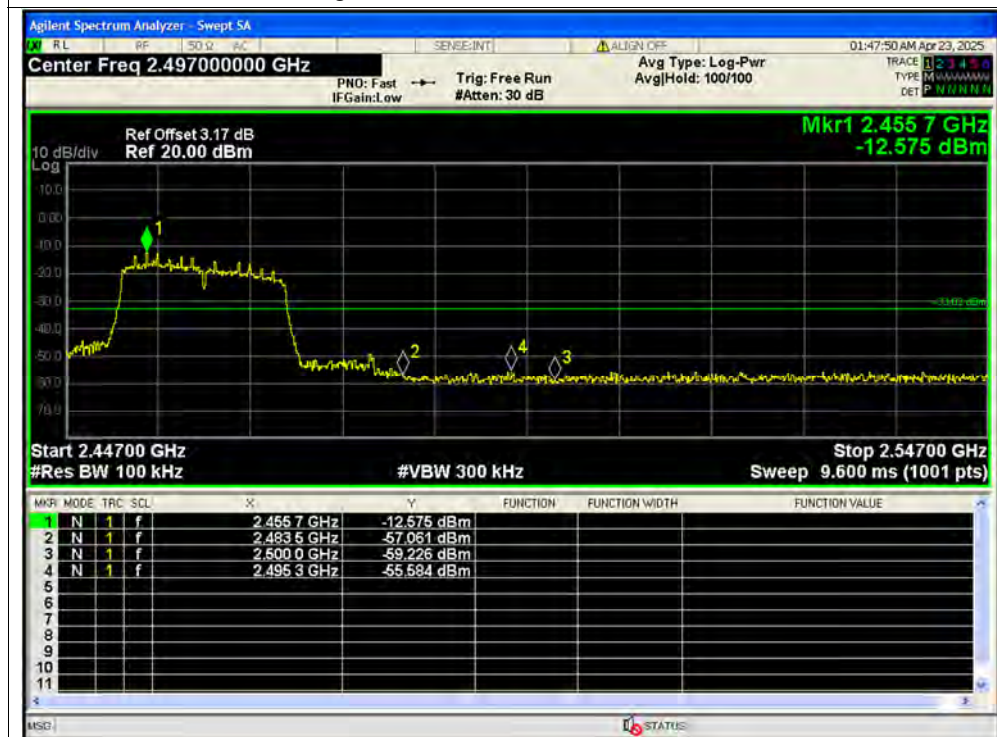
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission

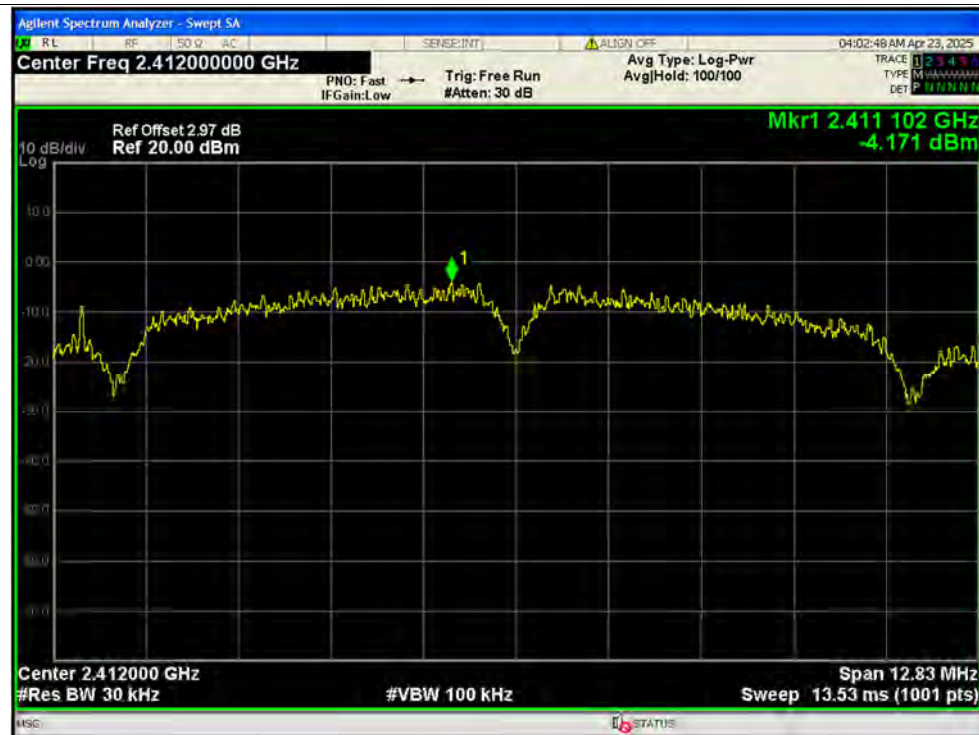


**A.7. Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-14.17	0	-14.17	8	Pass
NVNT	b	2437	Ant1	-15.18	0	-15.18	8	Pass
NVNT	b	2462	Ant1	-17	0	-17	8	Pass
NVNT	g	2412	Ant1	-16.33	0	-16.33	8	Pass
NVNT	g	2437	Ant1	-18.43	0	-18.43	8	Pass
NVNT	g	2462	Ant1	-18.77	0	-18.77	8	Pass
NVNT	n20	2412	Ant1	-15.81	0	-15.81	8	Pass
NVNT	n20	2437	Ant1	-20.56	0	-20.56	8	Pass
NVNT	n20	2462	Ant1	-20.2	0	-20.2	8	Pass

Test Graphs

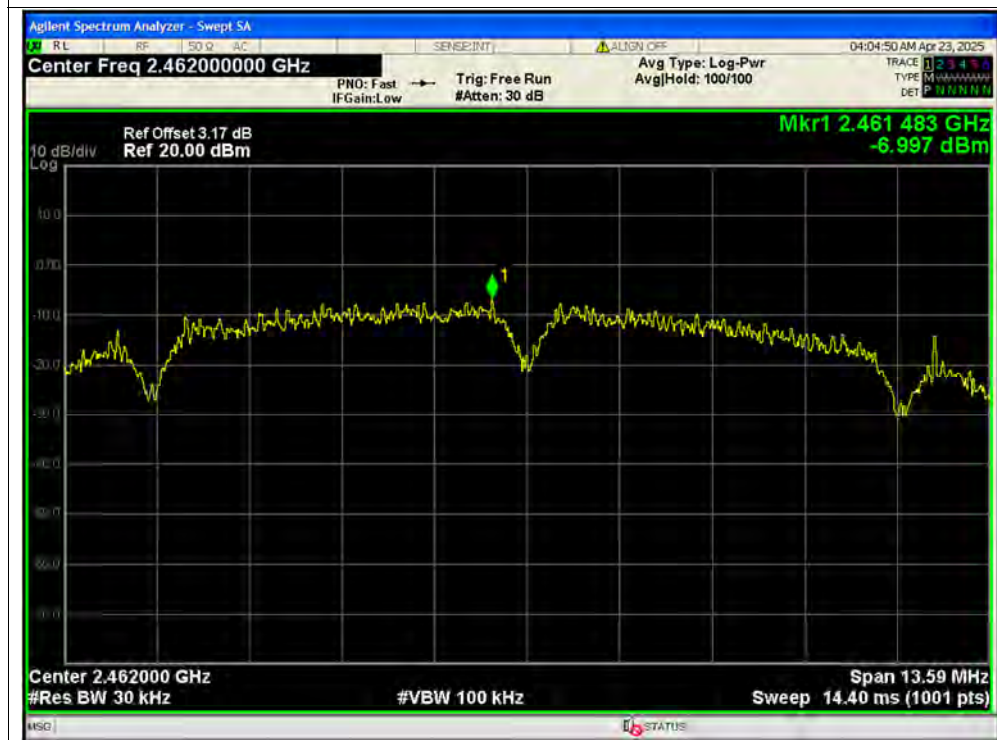
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



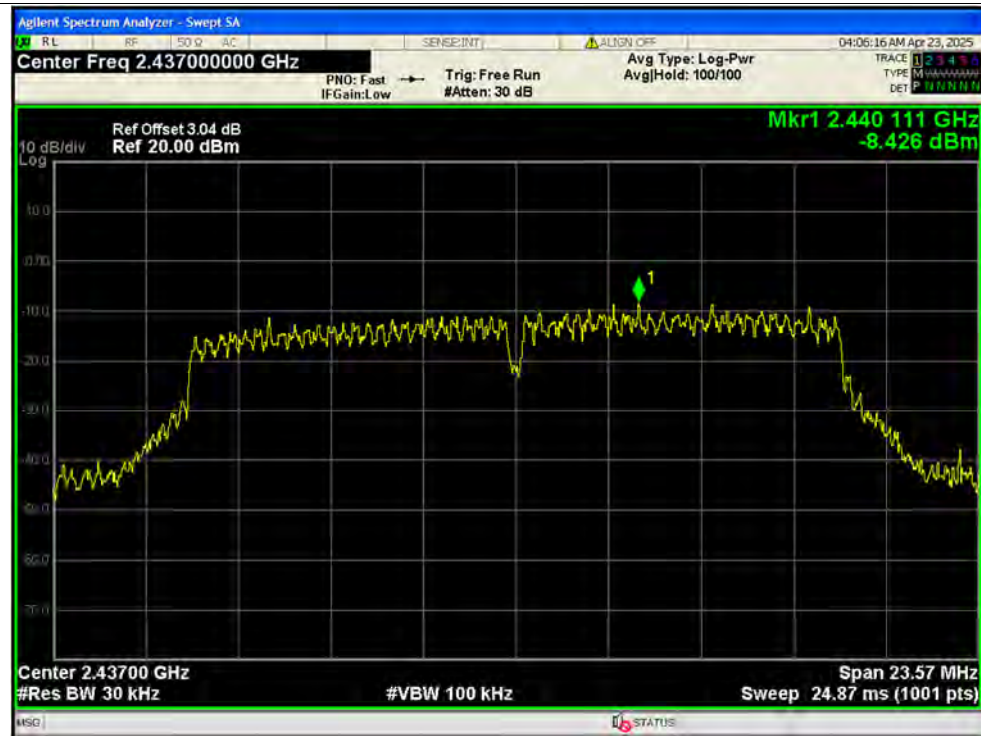
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



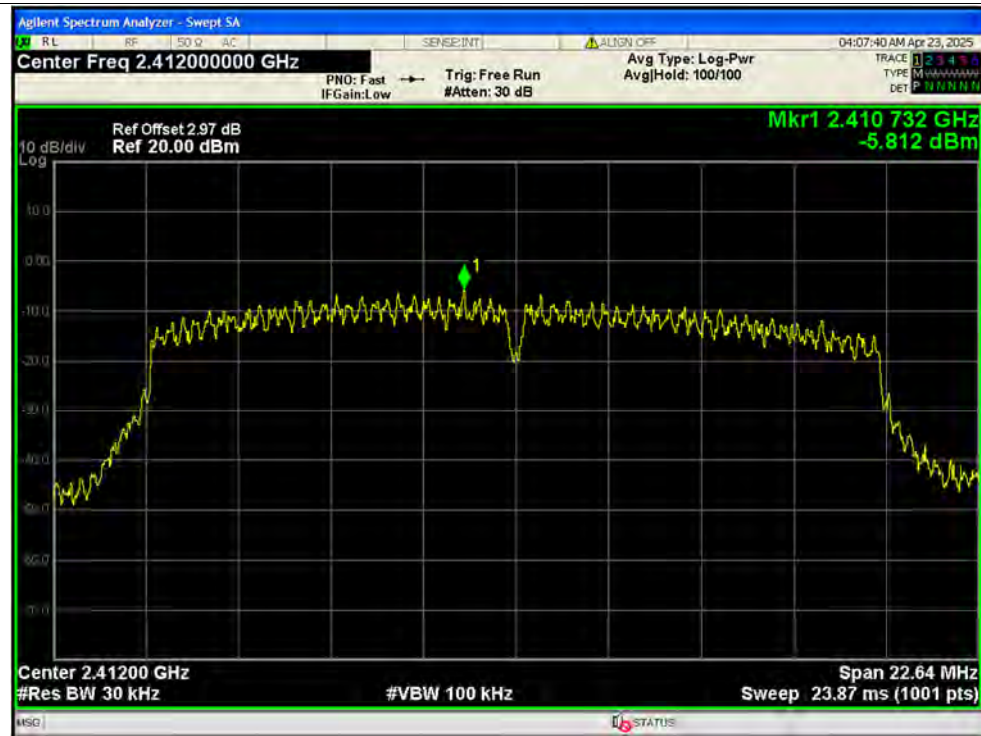
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1





PSD NVNT n20 2462MHz Ant1





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+Adapter+Charging base+Mobile phone+WIFI TX

Test voltage: AC 120V/60Hz

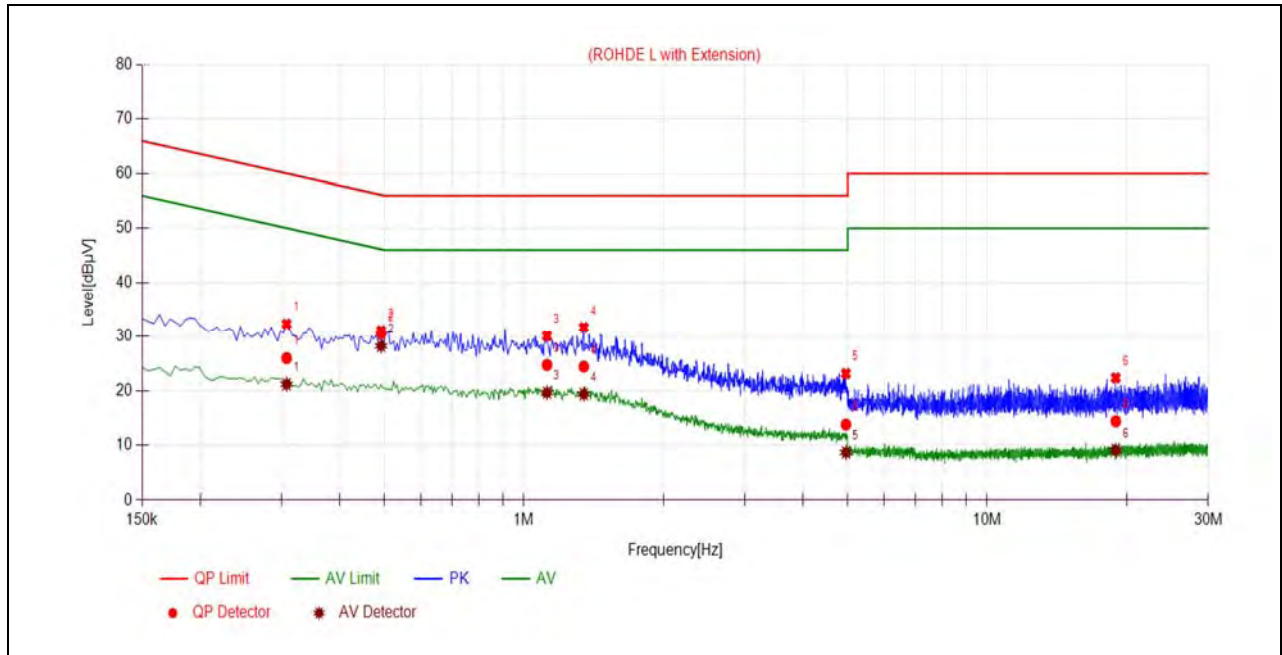
The measurement results are obtained as below:

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

U_R : Receiver Reading

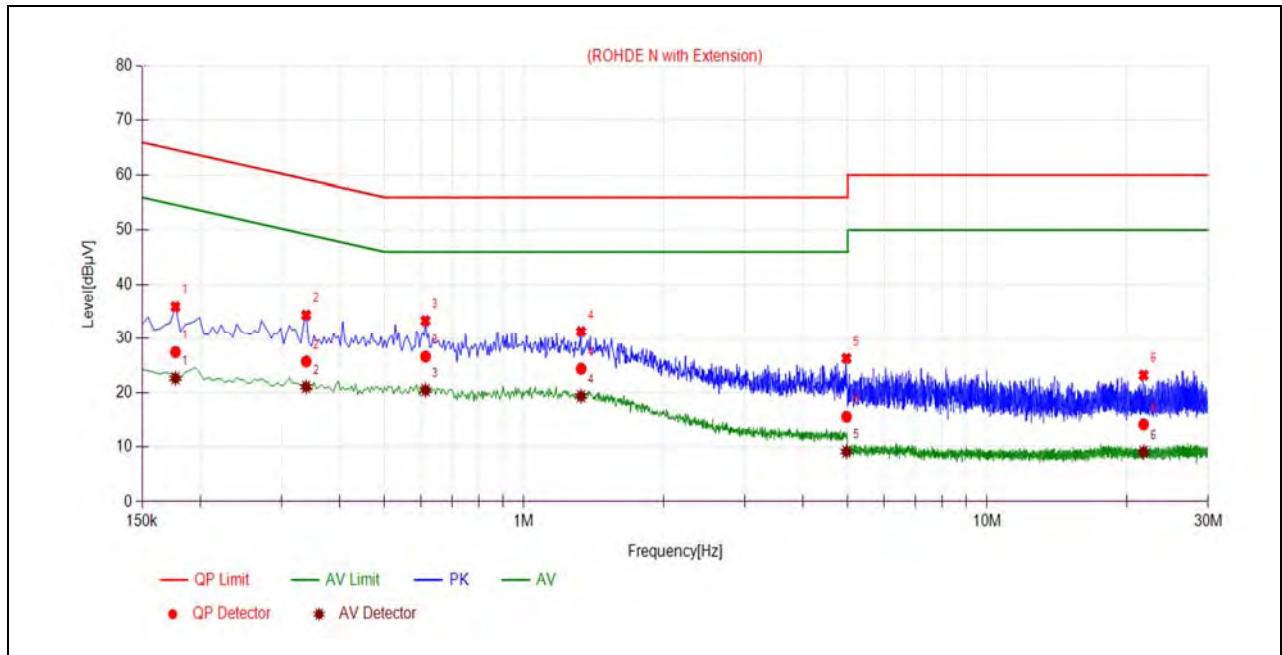
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.3075	25.97	21.16	60.04	50.04	Line	PASS
2	0.4920	30.57	28.22	56.13	46.13		PASS
3	1.1220	24.71	19.62	56.00	46.00		PASS
4	1.3471	24.41	19.35	56.00	46.00		PASS
5	4.9563	13.77	8.65	56.00	46.00		PASS
6	18.9492	14.37	9.06	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	0.1770	27.46	22.60	64.62	54.62	Neutral	PASS
2	0.3390	25.72	21.04	59.23	49.23		PASS
3	0.6135	26.62	20.42	56.00	46.00		PASS
4	1.3291	24.35	19.32	56.00	46.00		PASS
5	4.9697	15.52	9.11	56.00	46.00		PASS
6	21.7595	14.12	9.04	60.00	50.00		PASS



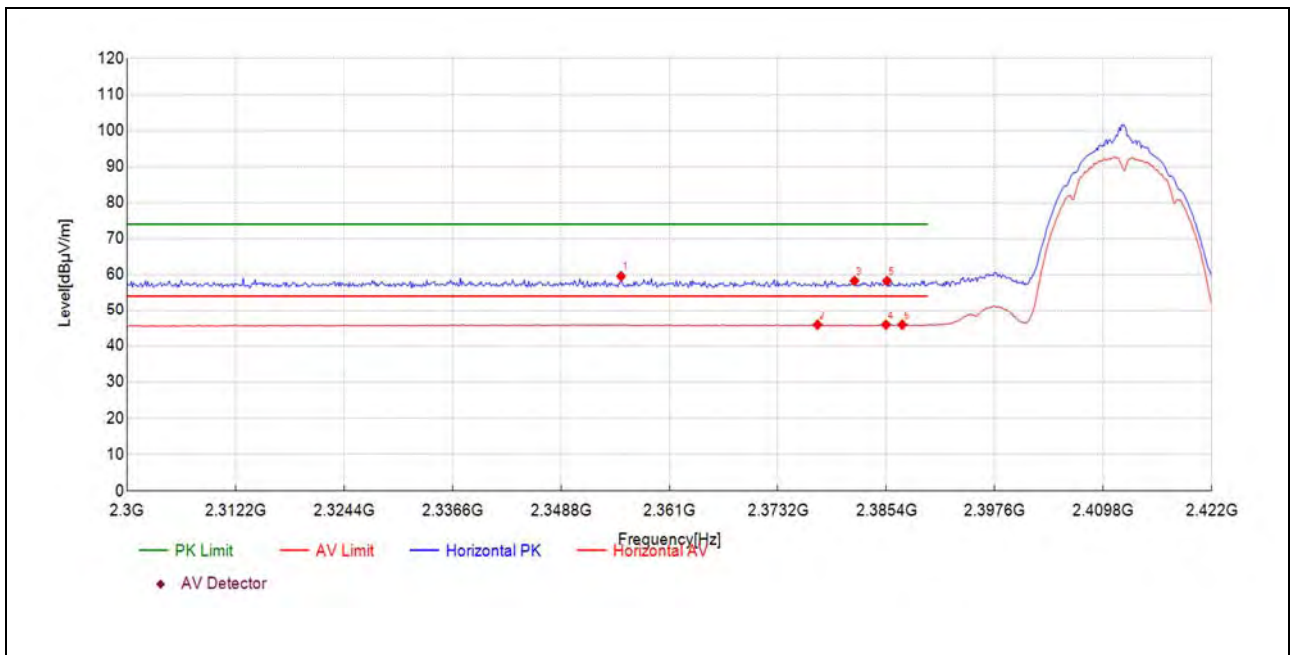
A.9. Restricted Frequency Bands

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (Horizontal) 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

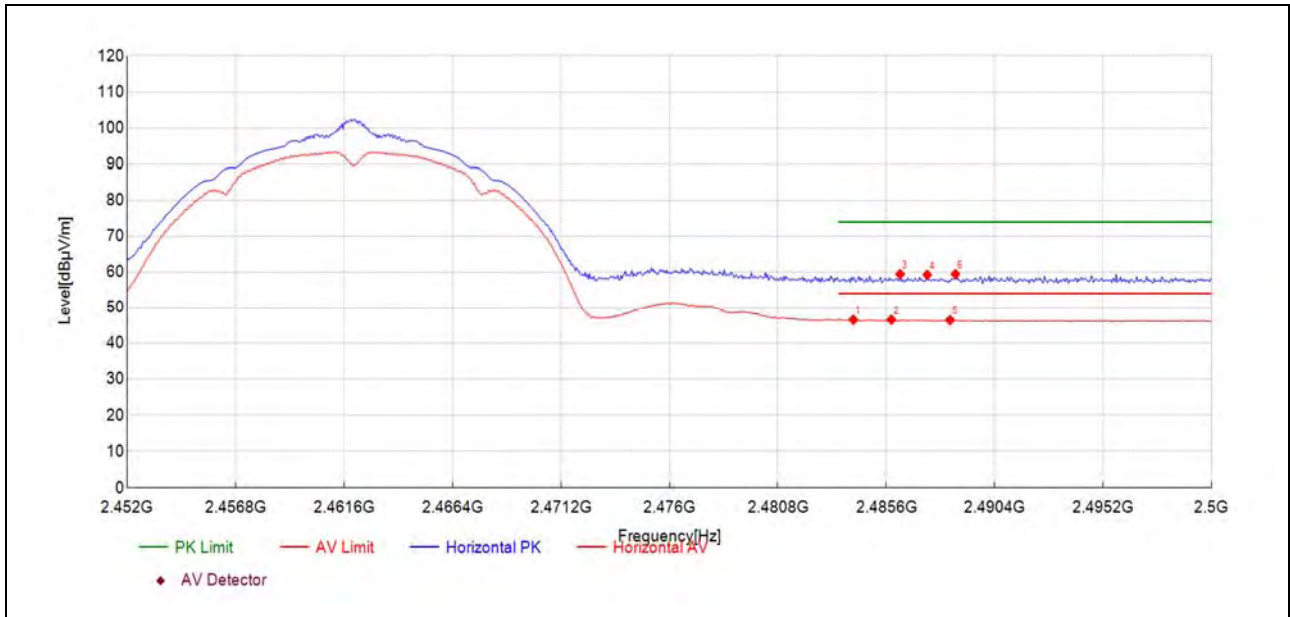
Plot for Channel 1



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2355.57	22.1	59.55	37.460	74.00	14.45	150	231	PK	PASS
2377.67	8.3	45.82	37.480	54.00	8.18	150	179	AV	PASS
2381.82	20.8	58.27	37.480	74.00	15.73	150	214	PK	PASS
2385.36	8.4	45.84	37.490	54.00	8.16	150	306	AV	PASS
2385.49	20.8	58.26	37.490	74.00	15.74	150	347	PK	PASS
2387.20	8.3	45.81	37.490	54.00	8.19	150	337	AV	PASS



Plot for Channel 11



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2484.14	8.2	46.51	38.270	54.00	7.49	150	89	AV	PASS
2485.83	8.3	46.54	38.270	54.00	7.46	150	320	AV	PASS
2486.21	21.2	59.46	38.280	74.00	14.54	150	261	PK	PASS
2487.41	21.0	59.26	38.270	74.00	14.74	150	106	PK	PASS
2488.42	8.1	46.39	38.270	54.00	7.61	150	159	AV	PASS
2488.66	21.2	59.49	38.270	74.00	14.51	150	257	PK	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.

Note1: 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.

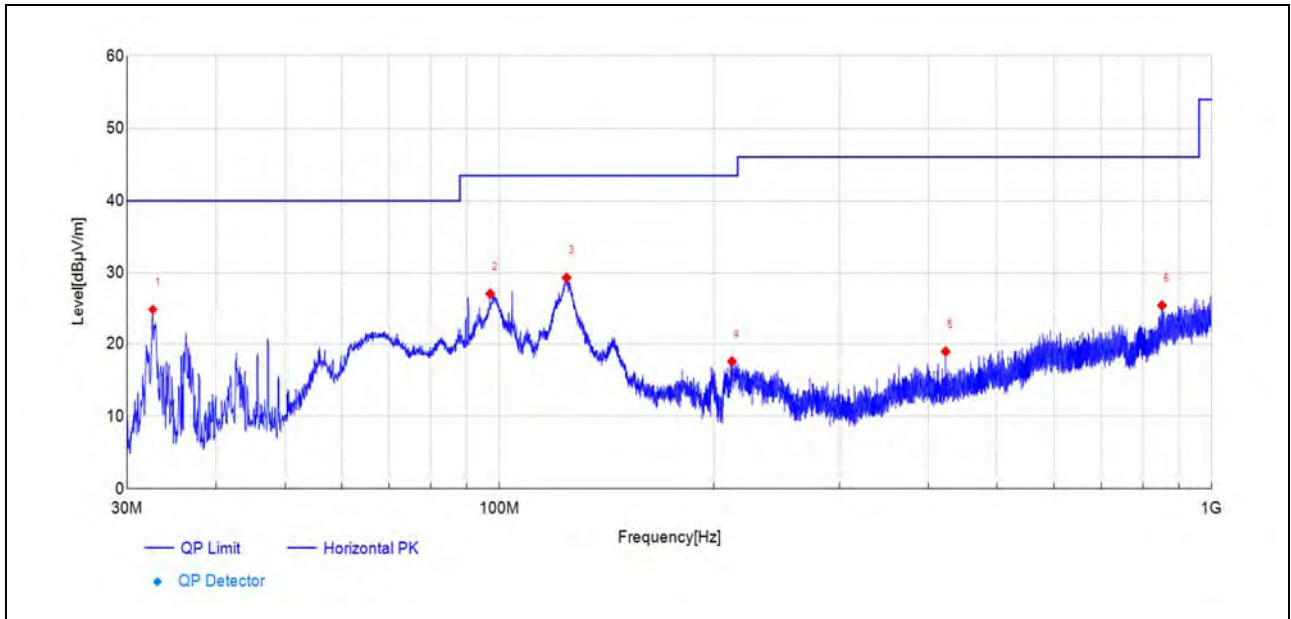
Note 3 For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



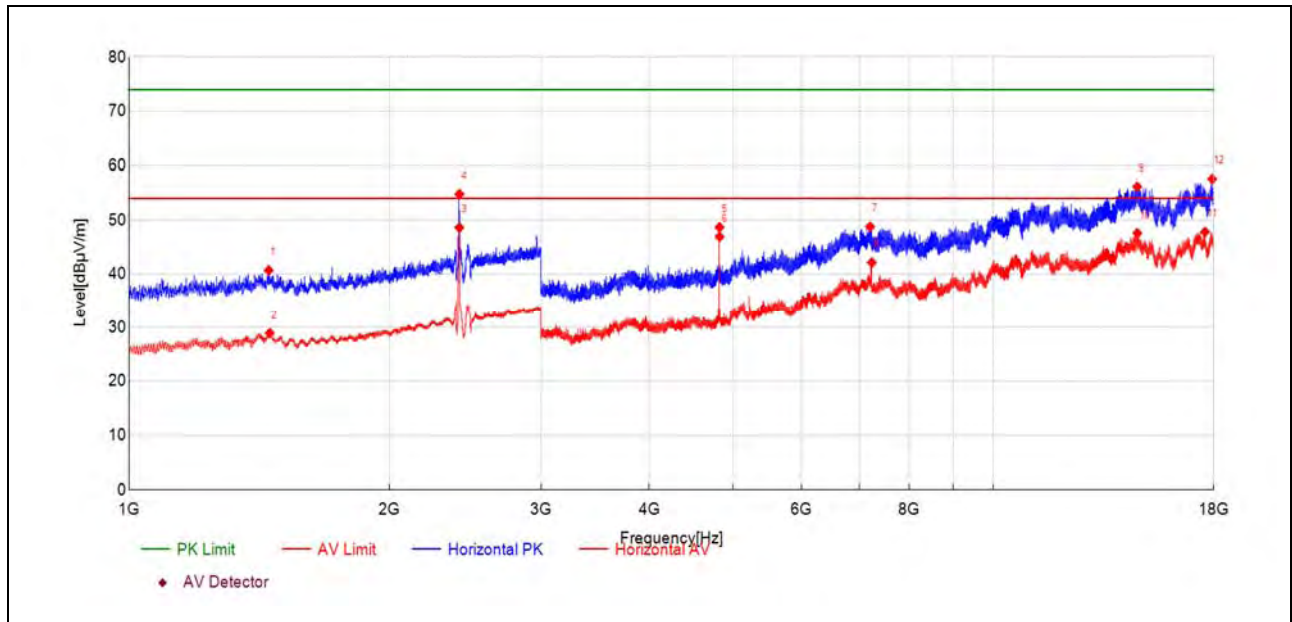
802.11b Mode

Plot for Channel 1



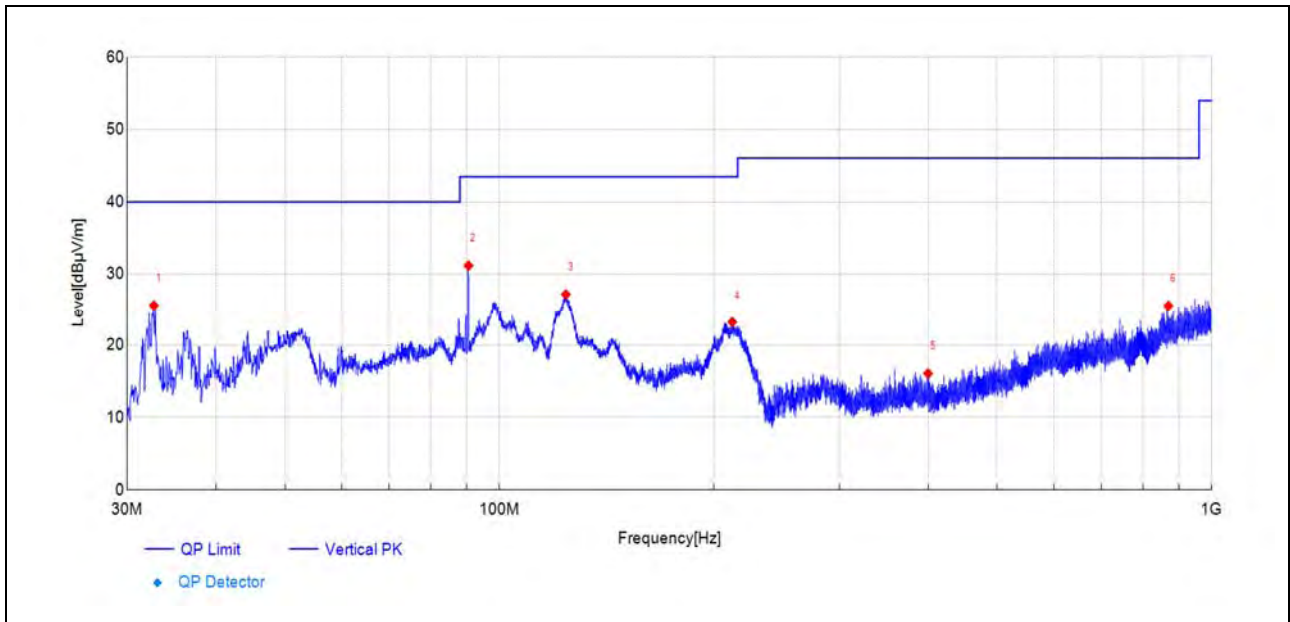
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.62	55.3	24.87	-30.470	40.00	15.13	150	142	PK	PASS
97.08	57.1	27.10	-30.040	43.50	16.40	150	317	PK	PASS
124.24	60.2	29.34	-30.880	43.50	14.16	150	169	PK	PASS
212.08	46.8	17.59	-29.250	43.50	25.91	150	88	PK	PASS
423.11	41.4	18.98	-22.400	46.00	27.02	150	239	PK	PASS
851.44	38.1	25.50	-12.590	46.00	20.50	150	88	PK	PASS



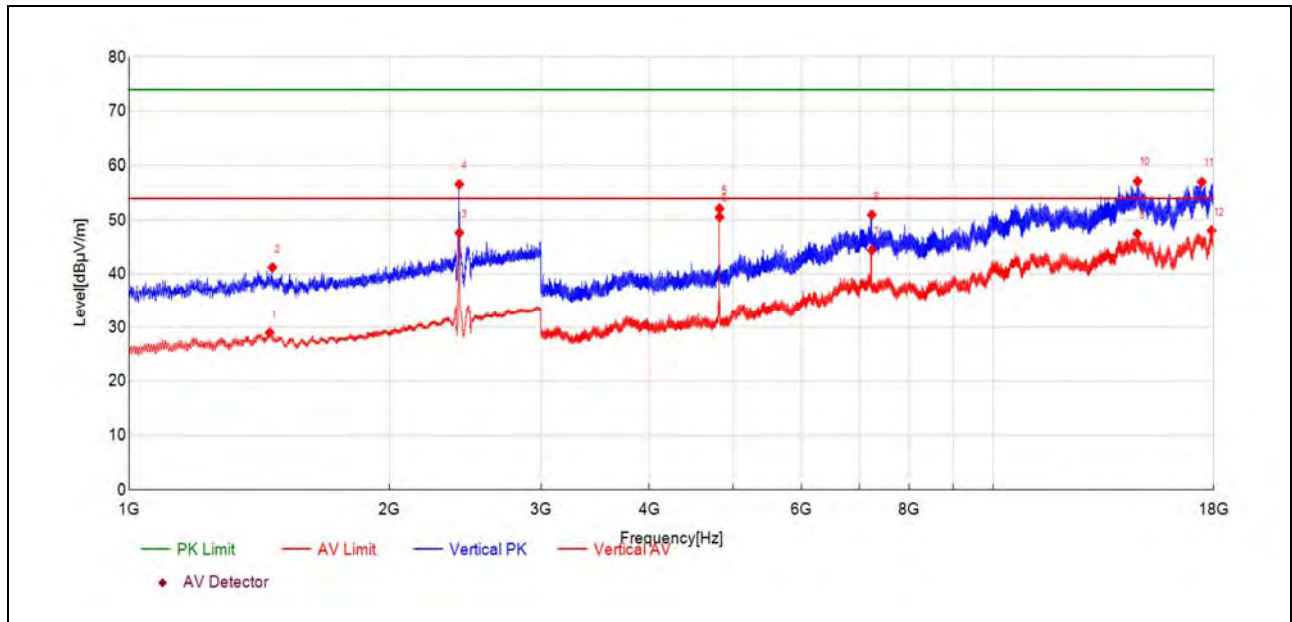
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1450.89	40.5	40.70	0.210	74.00	33.30	150	185	PK	PASS
1454.89	28.8	28.92	0.150	54.00	25.08	150	0	AV	PASS
2411.48	43.2	48.61	5.390	-	-	150	192	AV	NA
2411.88	49.4	54.81	5.400	-	-	150	192	PK	NA
4824.05	53.7	48.67	-5.000	74.00	25.33	150	175	PK	PASS
4824.48	51.9	46.93	-4.990	54.00	7.07	150	175	AV	PASS
7204.41	43.7	48.77	5.060	74.00	25.23	150	139	PK	PASS
7237.41	37.6	42.14	4.550	54.00	11.86	150	192	AV	PASS
14678.91	35.6	56.15	20.540	74.00	17.85	150	101	PK	PASS
14686.19	27.0	47.57	20.560	54.00	6.43	150	82	AV	PASS
17589.42	26.9	47.81	20.920	54.00	6.19	150	212	AV	PASS
17930.14	38.5	57.59	19.050	74.00	16.41	150	340	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

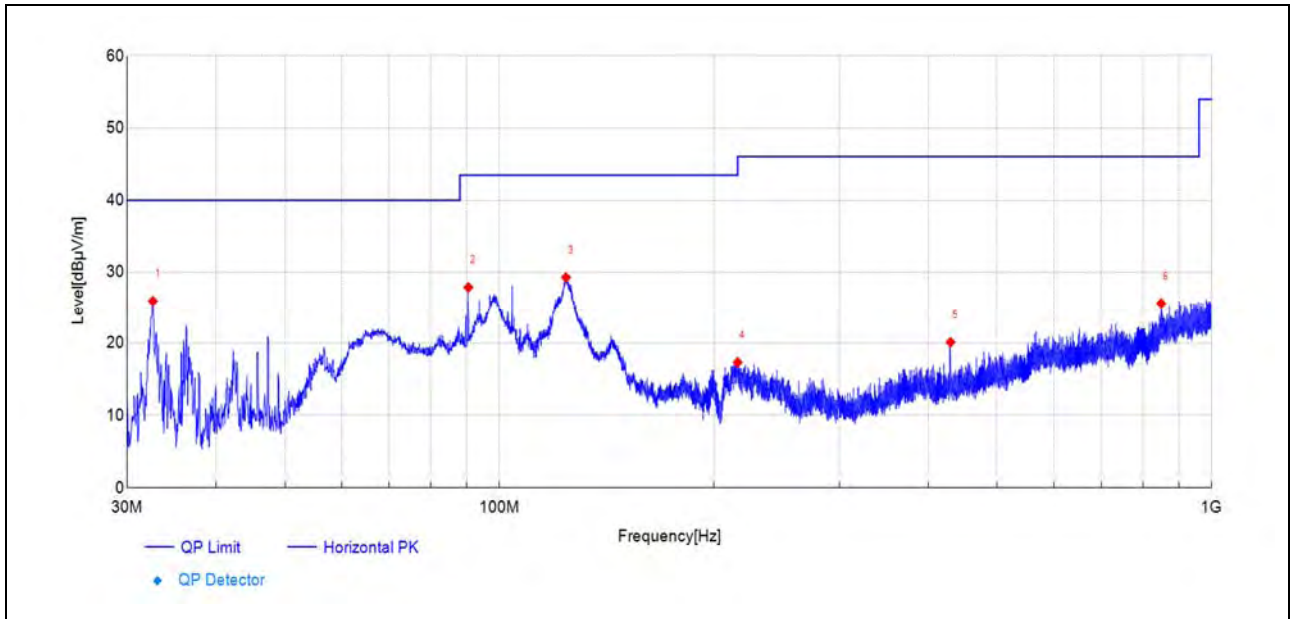
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.72	56.1	25.62	-30.470	40.00	14.38	150	356	PK	PASS
90.48	62.7	31.19	-31.470	43.50	12.31	150	9	PK	PASS
123.95	58.0	27.17	-30.800	43.50	16.33	150	134	PK	PASS
212.27	52.4	23.22	-29.220	43.50	20.28	150	191	PK	PASS
399.73	38.4	16.07	-22.290	46.00	29.93	150	16	PK	PASS
869.09	38.0	25.57	-12.430	46.00	20.43	150	345	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

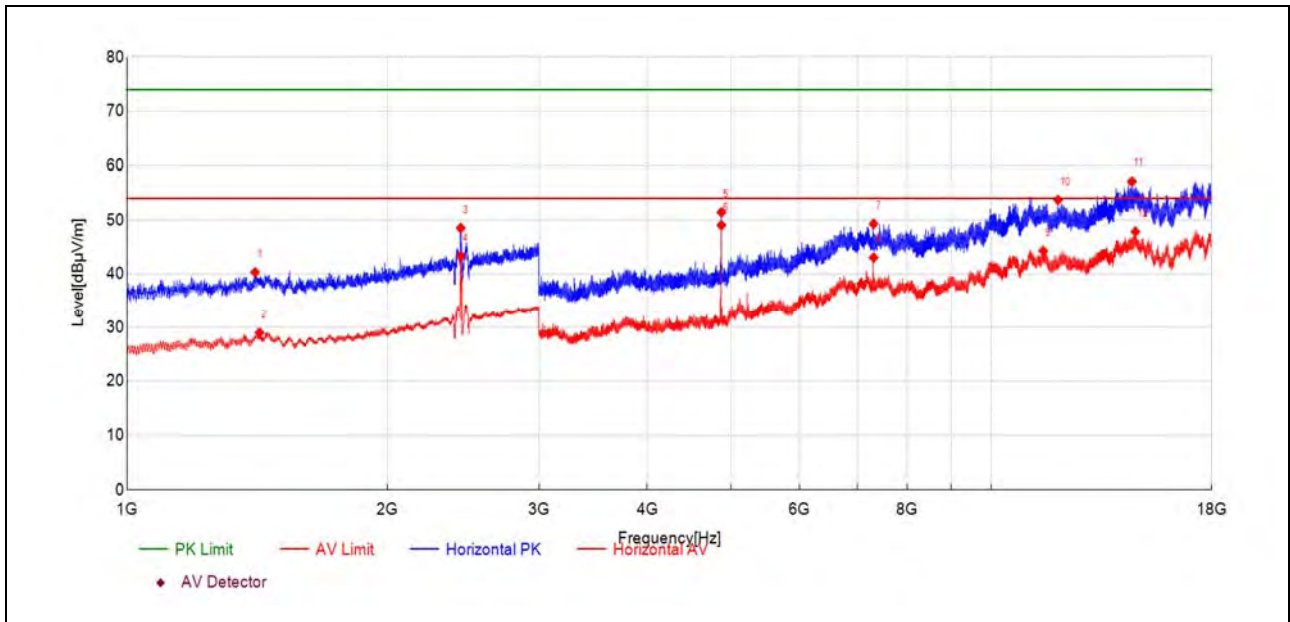
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1454.89	28.8	28.99	0.150	54.00	25.01	150	213	AV	PASS
1465.29	41.2	41.23	0.020	74.00	32.77	150	351	PK	PASS
2411.48	42.3	47.64	5.390	-	-	150	234	AV	NA
2411.48	51.2	56.63	5.390	-	-	150	227	PK	NA
4824.05	57.1	52.12	-5.000	74.00	21.88	150	248	PK	PASS
4824.48	55.6	50.56	-4.990	54.00	3.44	150	44	AV	PASS
7235.69	39.9	44.44	4.580	54.00	9.56	150	302	AV	PASS
7236.12	46.4	50.99	4.570	74.00	23.01	150	323	PK	PASS
14684.91	26.9	47.48	20.560	54.00	6.52	150	80	AV	PASS
14689.62	36.6	57.19	20.570	74.00	16.81	150	302	PK	PASS
17436.41	36.6	57.04	20.400	74.00	16.96	150	302	PK	PASS
17897.57	28.5	48.06	19.520	54.00	5.94	150	138	AV	PASS

Plot for Channel 6



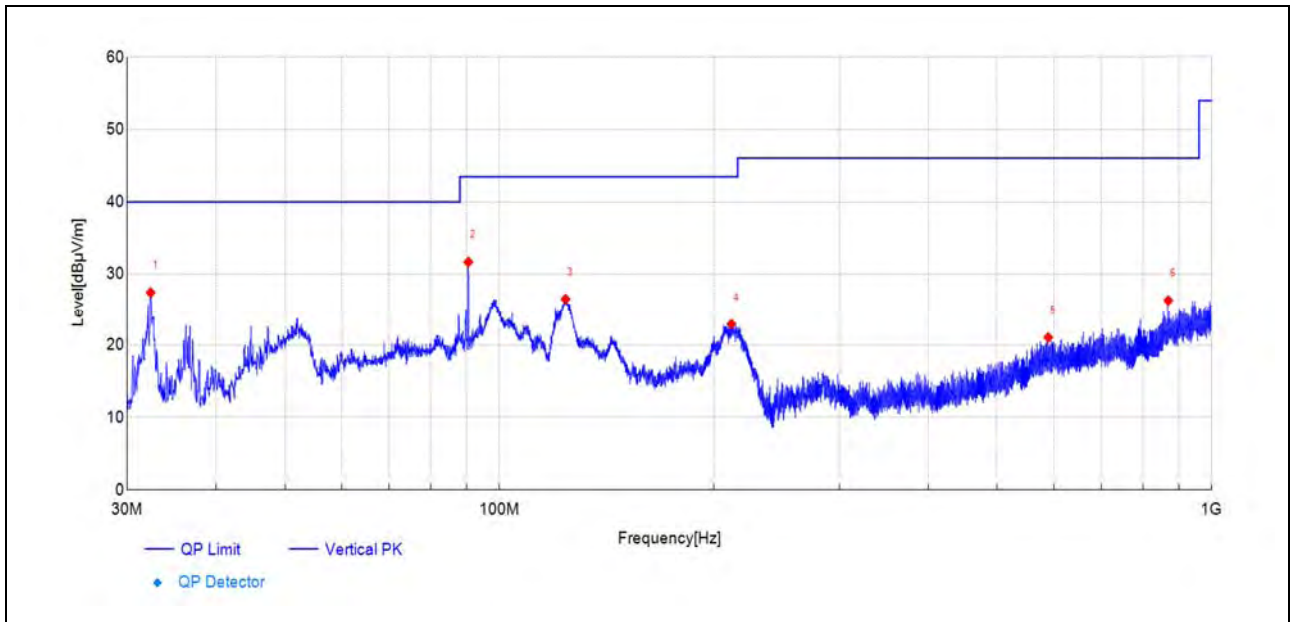
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.62	56.4	25.95	-30.470	40.00	14.05	150	238	PK	PASS
90.43	59.4	27.88	-31.480	43.50	15.62	150	183	PK	PASS
124.00	60.1	29.27	-30.780	43.50	14.23	150	162	PK	PASS
216.06	46.2	17.33	-28.850	46.00	28.67	150	85	PK	PASS
429.95	42.3	20.13	-22.150	46.00	25.87	150	296	PK	PASS
849.40	38.4	25.63	-12.720	46.00	20.37	150	0	PK	PASS



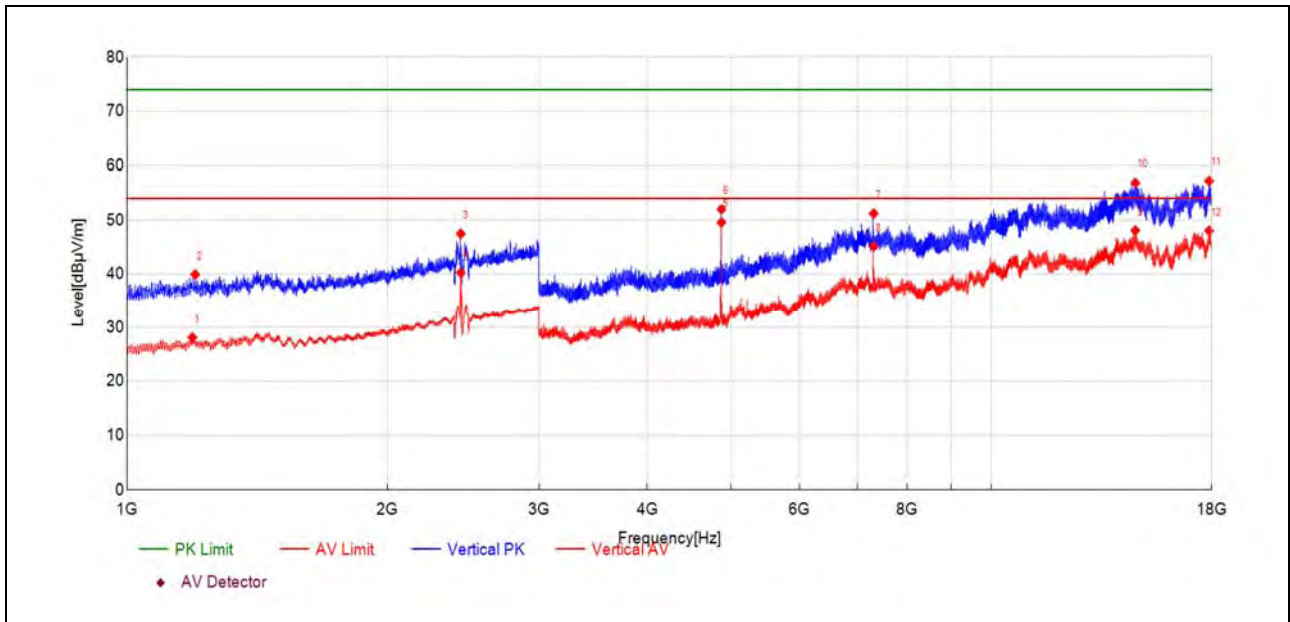
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1406.48	40.5	40.34	-0.150	74.00	33.66	150	87	PK	PASS
1423.68	29.0	29.00	-0.010	54.00	25.00	150	197	AV	PASS
2433.09	42.8	48.52	5.710	-	-	150	138	PK	NA
2433.89	37.6	43.31	5.720	-	-	150	146	AV	NA
4874.20	56.4	51.44	-4.960	74.00	22.56	150	9	PK	PASS
4874.62	54.0	49.06	-4.970	54.00	4.94	150	9	AV	PASS
7311.12	45.1	49.30	4.200	74.00	24.70	150	337	PK	PASS
7312.41	38.9	43.07	4.200	54.00	10.93	150	320	AV	PASS
11489.81	30.1	44.31	14.250	54.00	9.69	150	139	AV	PASS
11951.83	39.8	53.73	13.920	74.00	20.27	150	264	PK	PASS
14553.33	37.0	57.12	20.080	74.00	16.88	150	360	PK	PASS
14688.76	27.3	47.85	20.570	54.00	6.15	150	118	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

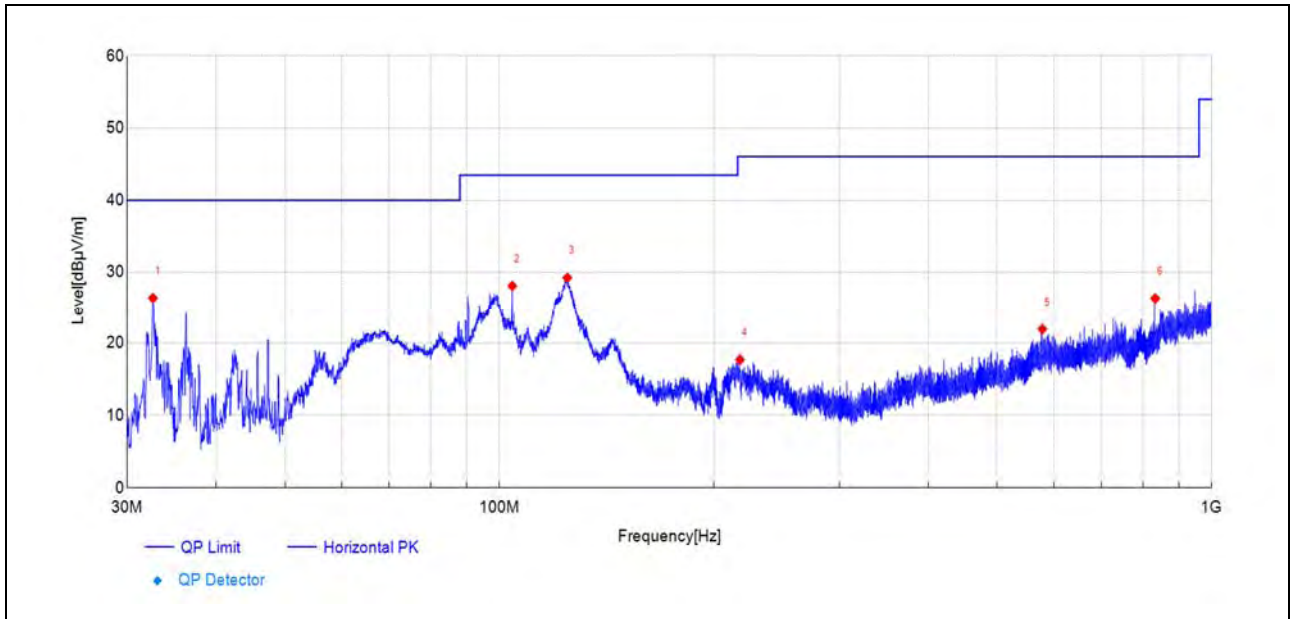
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.38	57.9	27.43	-30.470	40.00	12.57	150	251	PK	PASS
90.43	63.2	31.68	-31.480	43.50	11.82	150	122	PK	PASS
123.80	57.4	26.52	-30.870	43.50	16.98	150	158	PK	PASS
211.74	52.3	22.95	-29.300	43.50	20.55	150	201	PK	PASS
589.57	38.3	21.07	-17.220	46.00	24.93	150	81	PK	PASS
869.04	38.8	26.32	-12.430	46.00	19.68	150	306	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

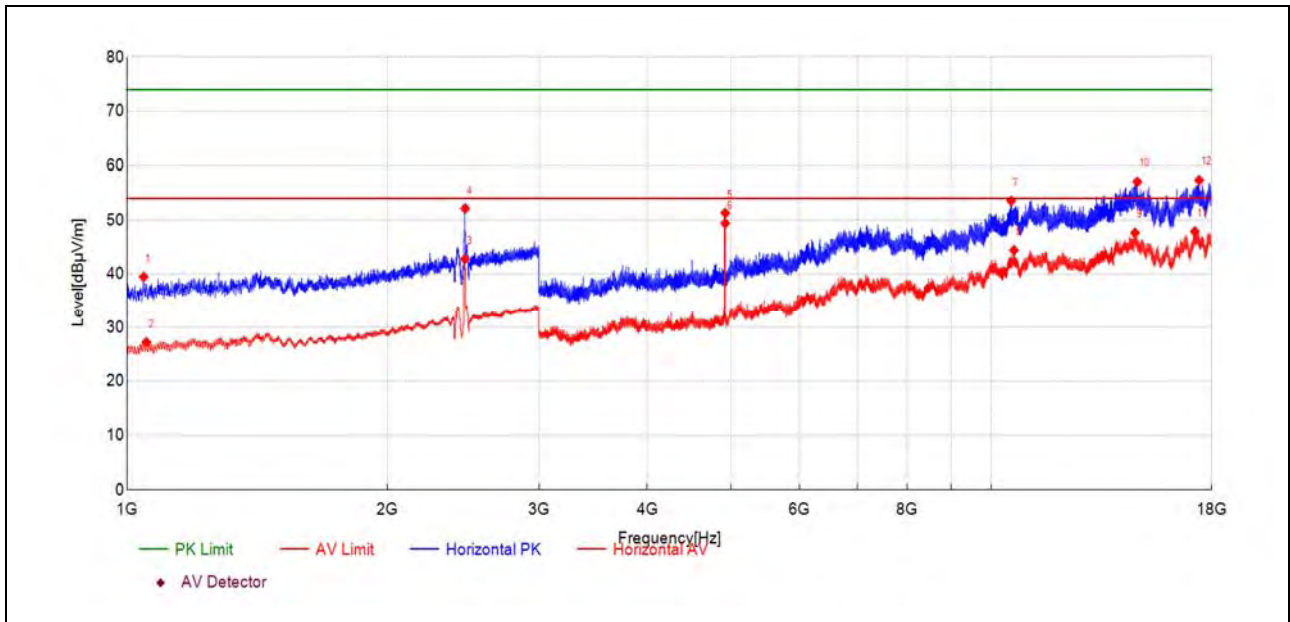
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1190.44	29.3	28.09	-1.250	54.00	25.91	150	270	AV	PASS
1199.24	41.0	39.91	-1.100	74.00	34.09	150	351	PK	PASS
2433.49	41.8	47.47	5.720	-	-	150	262	PK	NA
2433.89	34.5	40.26	5.720	-	-	150	270	AV	NA
4874.20	54.5	49.57	-4.960	54.00	4.43	150	65	AV	PASS
4874.20	57.0	51.99	-4.960	74.00	22.01	150	65	PK	PASS
7311.98	47.0	51.21	4.200	74.00	22.79	150	103	PK	PASS
7312.41	40.9	45.13	4.200	54.00	8.87	150	284	AV	PASS
14683.19	27.5	48.08	20.560	54.00	5.92	150	120	AV	PASS
14686.19	36.3	56.87	20.560	74.00	17.13	150	156	PK	PASS
17874.85	37.9	57.25	19.390	74.00	16.75	150	9	PK	PASS
17875.71	28.6	48.02	19.400	54.00	5.98	150	9	AV	PASS

Plot for Channel 11



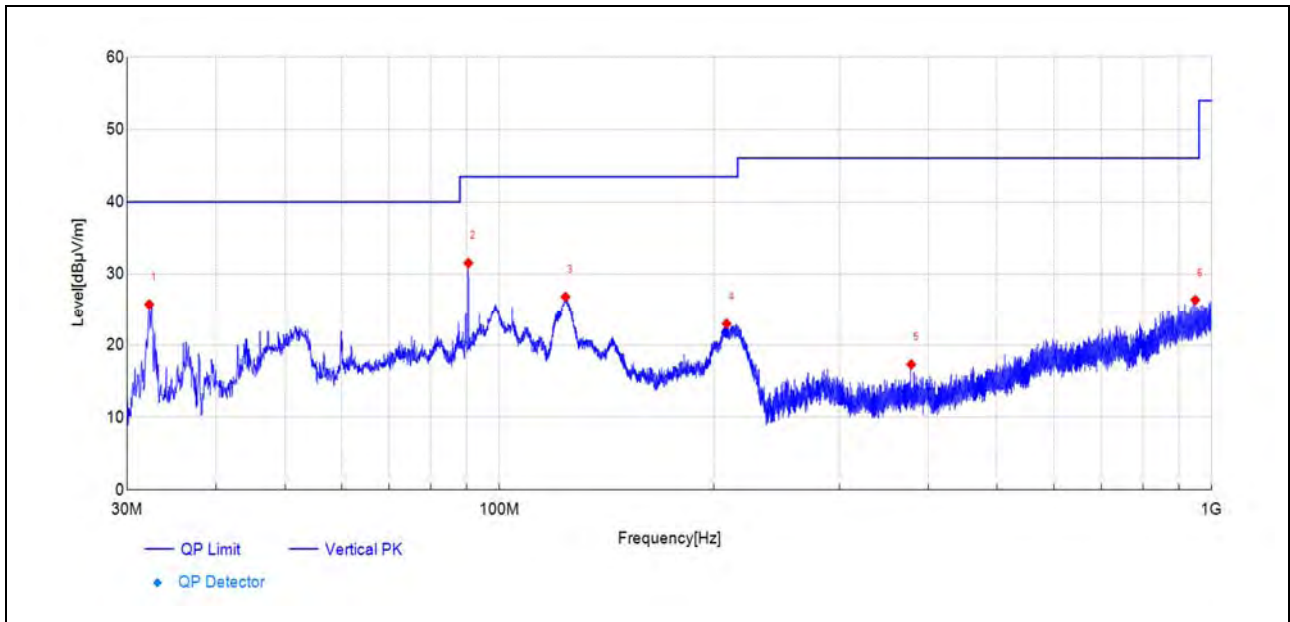
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.62	56.9	26.38	-30.470	40.00	13.62	150	8	PK	PASS
104.26	57.6	28.08	-29.540	43.50	15.42	150	85	PK	PASS
124.53	60.2	29.23	-30.990	43.50	14.27	150	168	PK	PASS
217.66	46.6	17.71	-28.870	46.00	28.29	150	78	PK	PASS
578.42	39.8	21.96	-17.800	46.00	24.04	150	78	PK	PASS
833.05	40.4	26.33	-14.050	46.00	19.67	150	246	PK	PASS



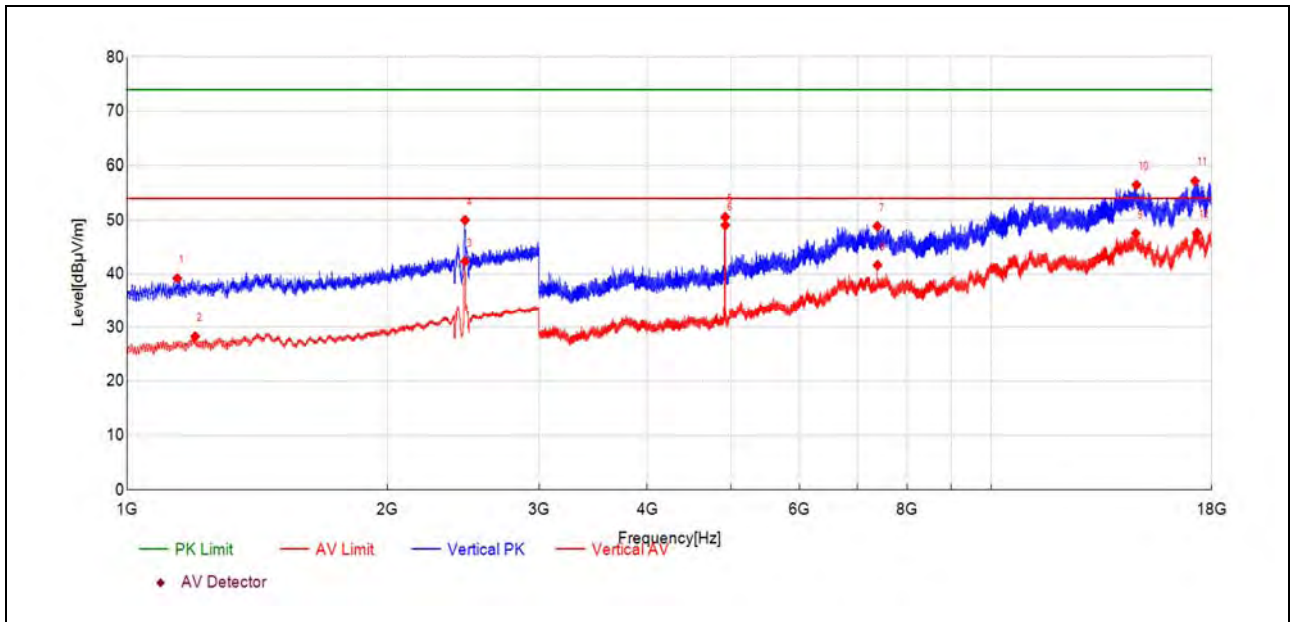
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1045.61	42.3	39.48	-2.780	74.00	34.52	150	247	PK	PASS
1053.21	29.9	27.21	-2.720	54.00	26.79	150	275	AV	PASS
2461.49	36.9	42.79	5.940	-	-	150	232	AV	NA
2461.89	46.2	52.14	5.940	-	-	150	240	PK	NA
4923.91	56.3	51.30	-4.980	74.00	22.70	150	109	PK	PASS
4924.34	54.4	49.38	-4.980	54.00	4.62	150	109	AV	PASS
10549.07	41.5	53.55	12.050	74.00	20.45	150	73	PK	PASS
10628.36	32.2	44.41	12.200	54.00	9.59	150	332	AV	PASS
14674.62	27.1	47.64	20.530	54.00	6.36	150	332	AV	PASS
14762.91	37.0	57.05	20.050	74.00	16.95	150	314	PK	PASS
17208.41	28.1	47.89	19.840	54.00	6.11	150	351	AV	PASS
17407.27	37.2	57.38	20.210	74.00	16.62	150	109	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.23	56.3	25.78	-30.480	40.00	14.22	150	121	PK	PASS
90.43	63.0	31.53	-31.480	43.50	11.97	150	260	PK	PASS
123.80	57.7	26.83	-30.870	43.50	16.67	150	135	PK	PASS
208.44	52.5	23.01	-29.490	43.50	20.49	150	170	PK	PASS
378.54	40.6	17.33	-23.300	46.00	28.67	150	66	PK	PASS
948.30	37.4	26.39	-10.990	46.00	19.61	150	9	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1143.23	41.2	39.23	-2.010	74.00	34.77	150	74	PK	PASS
1199.24	29.4	28.28	-1.100	54.00	25.72	150	322	AV	PASS
2461.49	36.4	42.37	5.940	-	-	150	314	AV	NA
2461.49	44.0	49.98	5.940	-	-	150	256	PK	NA
4923.91	55.5	50.56	-4.980	74.00	23.44	150	185	PK	PASS
4924.34	54.0	49.04	-4.980	54.00	4.96	150	185	AV	PASS
7383.98	44.2	48.87	4.670	74.00	25.13	150	96	PK	PASS
7388.27	37.0	41.66	4.690	54.00	12.34	150	295	AV	PASS
14705.48	27.0	47.54	20.550	54.00	6.46	150	4	AV	PASS
14729.05	36.2	56.50	20.350	74.00	17.50	150	38	PK	PASS
17216.12	37.5	57.22	19.760	74.00	16.78	150	4	PK	PASS
17312.98	28.6	47.65	19.050	54.00	6.35	150	168	AV	PASS

END OF REPORT