



REPORT No.: SZ23080047W07

TEST REPORT

APPLICANT : Rhino Mobility LLC

PRODUCT NAME : Smartphone

MODEL NAME : C6R

BRAND NAME : RHINO

FCC ID : 2AUOUC6R

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2023-08-04

TEST DATE : 2023-10-18 to 2023-11-23

ISSUE DATE : 2023-11-27



Edited by:

Peng Mi

Peng Mi (Rapporteur)

Approved by:

Shen Junsheng

Shen Junsheng (Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.

MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





DIRECTORY

1. Summary of Test Result	4
1.1. Testing Applied Standards	5
1.2. Test Equipment List	6
1.3. Measurement Uncertainty	8
1.4. Testing Laboratory	8
2. General Description	9
2.1. Information of Applicant and Manufacturer	9
2.2. Information of EUT	9
2.3. Channel List of EUT	11
2.4. Test Configuration of EUT	12
2.5. Test Conditions	12
2.6. Test Setup Layout Diagram	13
3. Test Results	16
3.1. Antenna Requirement	16
3.2. Duty Cycle of Test Signal	17
3.3. Maximum Peak and Average Conducted Output Power	18
3.4. 6 dB Bandwidth	19
3.5. Conducted Spurious Emissions and Band Edge	20
3.6. Power Spectral Density	21
3.7. Conducted Emission	22
3.8. Restricted Frequency Bands	23
3.9. Radiated Emission	24
Annex A Test Data and Result	26



REPORT No.: SZ23080047W07

Change History		
Version	Date	Reason for change
1.0	2023-11-27	First edition

1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	N/A	Duty Cycle of Test Signal	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
3	15.247(b)	Maximum Peak Conducted Output Power	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
4	15.247(b)	Maximum Average Conducted Output Power	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
5	15.247(a)	Bandwidth	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
6	15.247(d)	Conducted Spurious Emission and Band Edge	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
7	15.247(e)	Power Spectral Density	Nov. 22, 2023	Zhong Yanshan	PASS	No deviation
8	15.207	Conducted Emission	Oct. 18, 2023	Wang Deyong	PASS	No deviation
9	15.247(d)	Restricted Frequency Bands	Oct. 25, 2023	Gao Jianrou Li Hanbin	PASS	No deviation
10	15.209, 15.247(d)	Radiated Emission	Oct. 26, 2023	Gao Jianrou Li Hanbin	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in ANSIC63.10-2013 and KDB558074 D01 v05r02.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



1.1. Testing Applied Standards

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

- 47 CFR Part 15 Subpart C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2023.02.27	2024.02.26
Power Sensor	MY54180008	U2021XA	Agilent	2023.10.17	2024.10.16
Attenuator	MTJ6004-20	VAT-10+	MTJ Cooperation	N/A	N/A
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2023.02.09	2024.02.08
LISN	8127449	NSLK 8127	Schwarzbeck	2023.02.21	2024.02.20
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2023.06.27	2024.06.26
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	N/A	N/A

1.2.3 List of Software Used

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

**1.2.4 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2023.06.21	2024.06.20
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2023.07.07	2024.06.30
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2023.06.26	2024.06.25
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2023.07.07	2024.06.30
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2023.07.01	2024.06.30
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2023.06.27	2024.06.26
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2023.06.27	2024.06.26
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-N N-5	Qualwave	2023.07.04	2024.07.03
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09



1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Peak Output Power	$\pm 2.22\text{dB}$	Confidence levels of 95%
Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	Confidence levels of 95%
Conducted Spurious Emission	$\pm 2.77\text{dB}$	Confidence levels of 95%
Restricted Frequency Bands	$\pm 5\%$	Confidence levels of 95%
Radiated Emission	$\pm 2.95\text{dB}$	Confidence levels of 95%
Conducted Emission	$\pm 2.44\text{dB}$	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
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	Rhino Mobility LLC
Applicant Address	8 The Green, Suite A, Dover, Delaware, 19901, USA
Manufacturer	Rhino Mobility LLC
Manufacturer Address	8 The Green, Suite A, Dover, Delaware, 19901, USA

2.2. Information of EUT

Product Name:	Smartphone	
Sample No.:	2#	
Hardware Version:	Q6010R_MB_V1.0	
Software Version:	C6R(001)_20231103	
Modulation Technology:	DSSS, OFDM	
Modulation Type:	Refer to section 1.3	
Wireless Technology:	802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40)	
Operating Frequency Range:	2412MHz–2462MHz	
Antenna Type:	PIFA Antenna	
Antenna Gain:	1.64dBi	
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BPC6R
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Phenix New Energy (Huizhou) Co., Ltd.

Accessory Information:	Adaptor	
	Brand Name:	RHINO
	Model No.:	TPA-10S120150UU01
	Serial No.:	N/A
	Rated Output:	3.6V-6.0V=3.0A; 6.0V-9.0V=2.0A; 9.0V-12.0V=1.5A
	Rated Input:	100-240V~50/60Hz, 0.6A
	Manufacturer:	Shenzhen Tianyin Electronics Co., Ltd.
	USB Cable 1	
	Model No.:	188.123022001-09
	Manufacturer:	Yibin Ruirun Electronics Co., Ltd.
	USB Cable 2	
	Model No.:	188.123022002-09
	Manufacturer:	Yibin Ruirun Electronics Co., Ltd.
	USB Cable 3	
	Model No.:	USB TYPE A TO C 2.0 Cable 2.0m
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD.
	USB Cable 4	
	Model No.:	USB TYPE A TO C 2.0 Cable 1.0m
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD.

Note 1: We use the dedicated software to control the EUT continuous transmission.

Note 2: 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

Test Mode	Channel	Frequency (MHz)	Channel	Frequency (MHz)
802.11b/g/n (HT20)	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432		
	6	2437		
	7	2442		
Test Mode	Channel	Frequency (MHz)	Channel	Frequency (MHz)
802.11n (HT40)	3	2422	8	2447
	4	2427	9	2452
	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	20/40 (HT20/40)	OFDM	BPSK	MCS0~MCS7	N/A
			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.

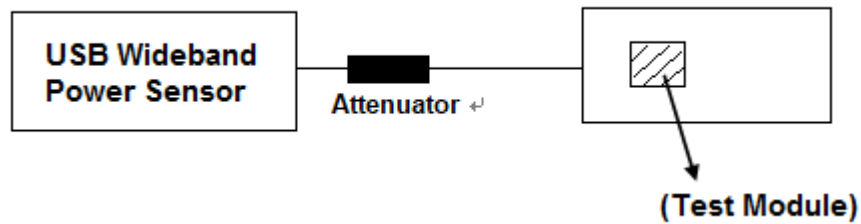
2.5. Test Conditions

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

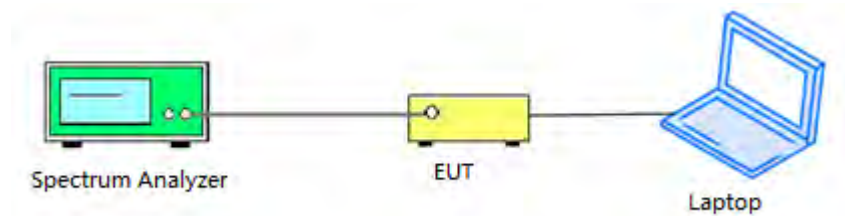
2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

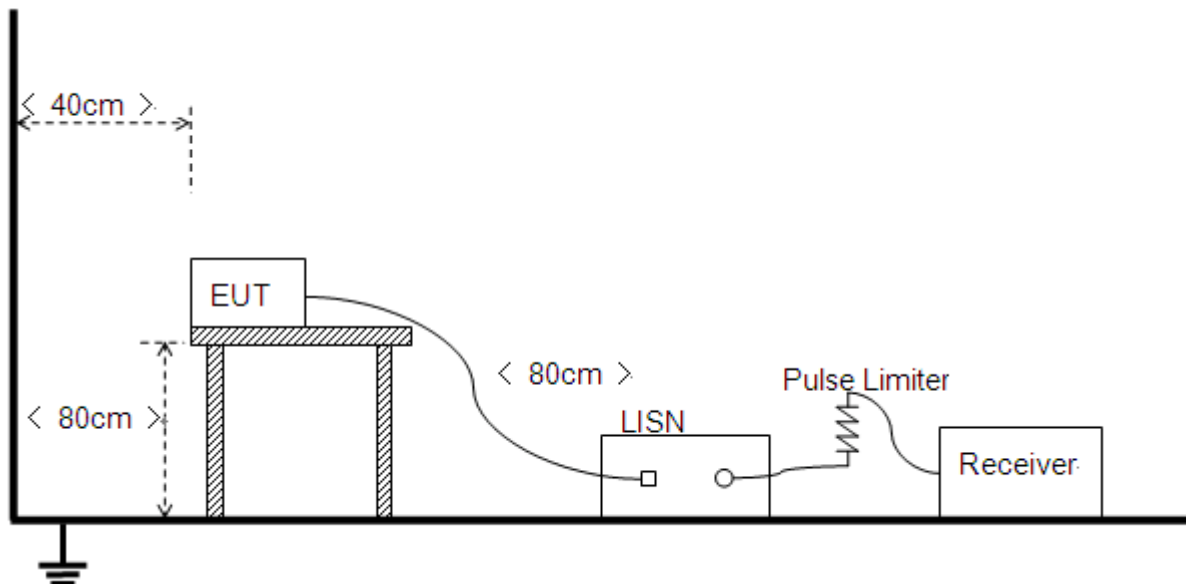
Power item



Other items

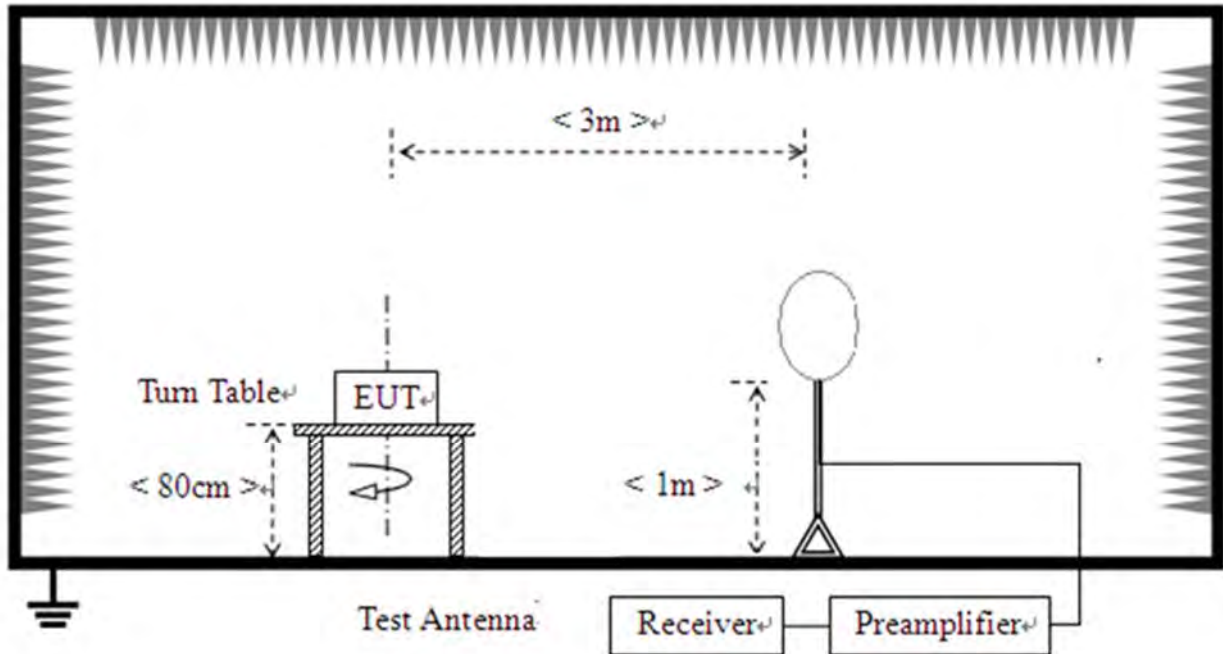


2.6.2. Conducted Emission Measurement

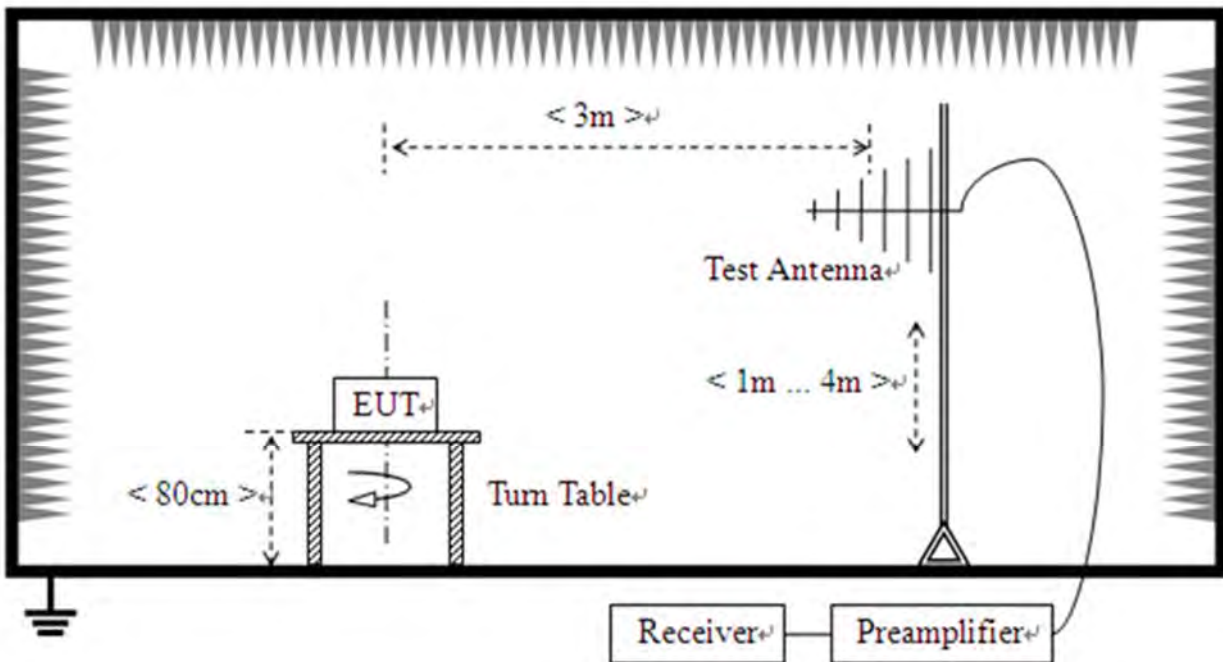


2.6.3.Radiation Measurement

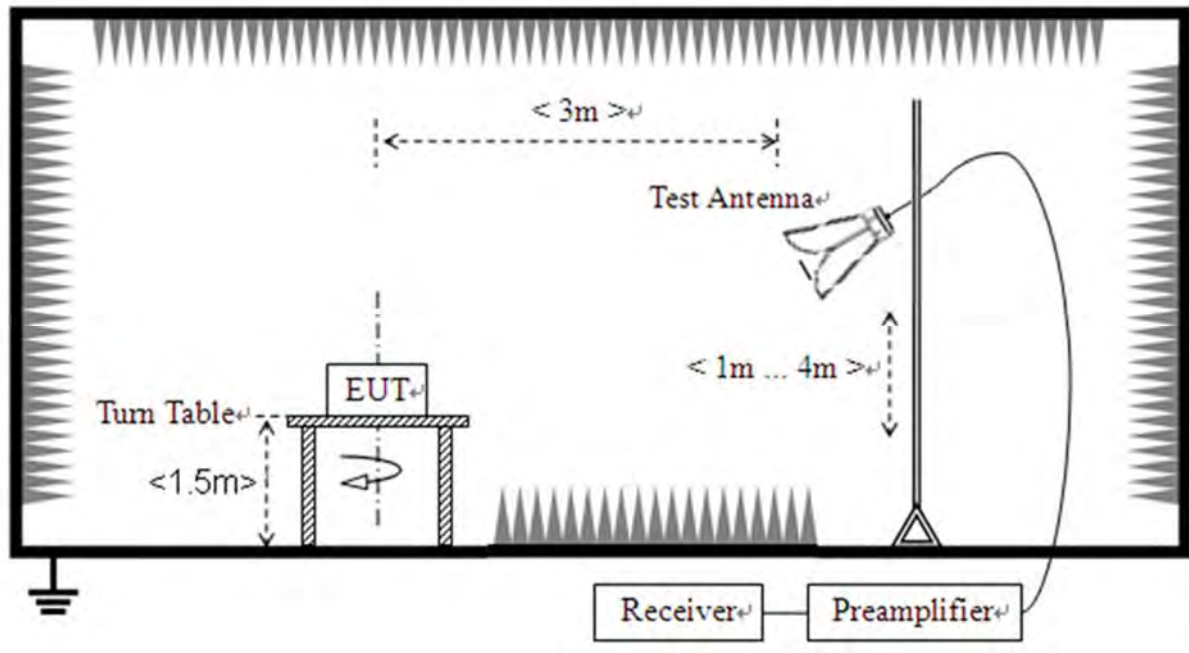
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirement

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.1.2. Test Result

Inside of the EUT has a PIFA antenna coupled with the metal shrapnel. Please refer to the EUT photos.

3.2. Duty Cycle of Test Signal

3.2.1. Requirement

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

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

3.2.2. Test Result

Refer to Annex A.1 in this report.



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

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

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



3.9.2.Test Procedures

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

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

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

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

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

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.10 in this report.



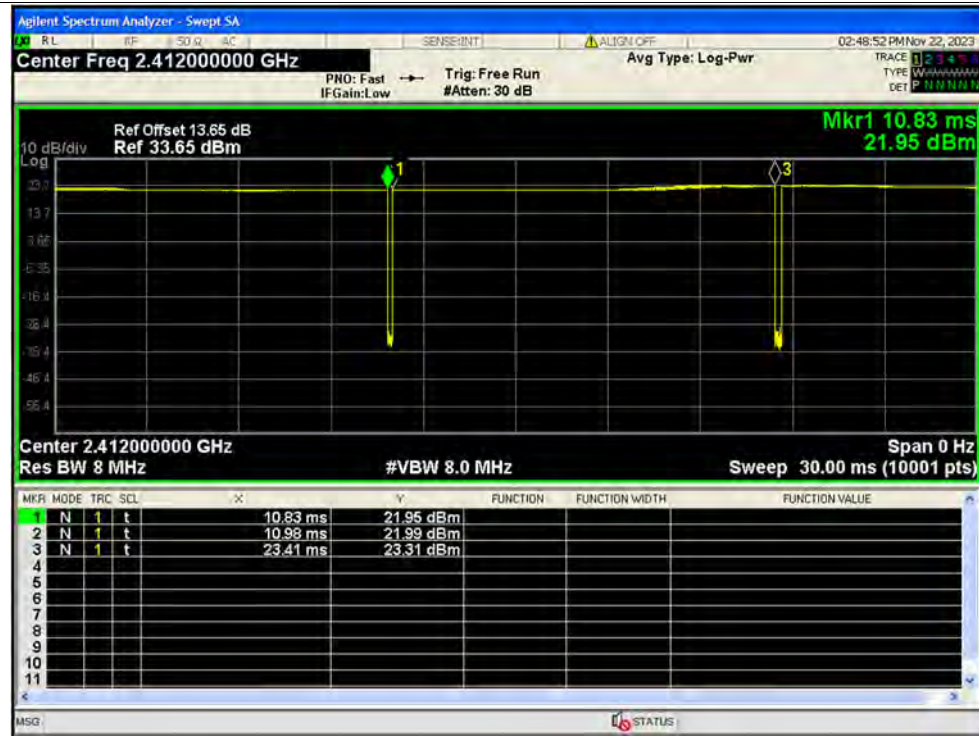
Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

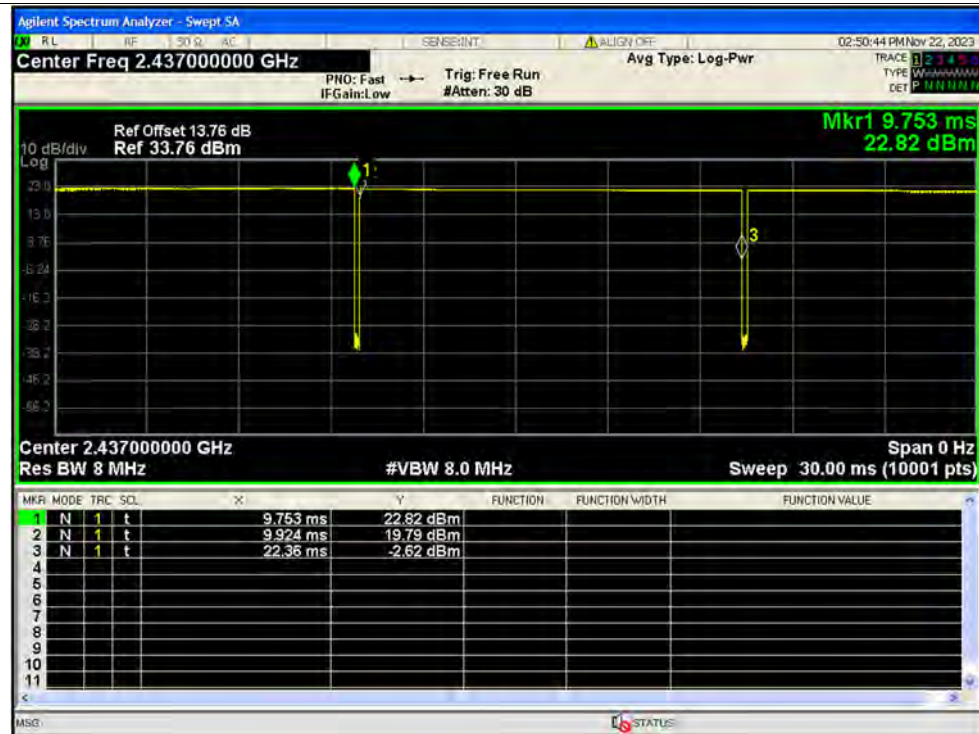
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.83	0.05	0.08
NVNT	b	2437	Ant1	98.64	0.06	0.08
NVNT	b	2462	Ant1	98.6	0.06	0.08
NVNT	g	2412	Ant1	98.29	0.08	0.48
NVNT	g	2437	Ant1	98.29	0.08	0.48
NVNT	g	2462	Ant1	98.29	0.08	0.48
NVNT	n20	2412	Ant1	98.27	0.08	0.52
NVNT	n20	2437	Ant1	98.17	0.08	0.52
NVNT	n20	2462	Ant1	98.27	0.08	0.52
NVNT	n40	2422	Ant1	95.19	0.21	1.05
NVNT	n40	2437	Ant1	95	0.22	1.05
NVNT	n40	2452	Ant1	94.99	0.22	1.05

Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1

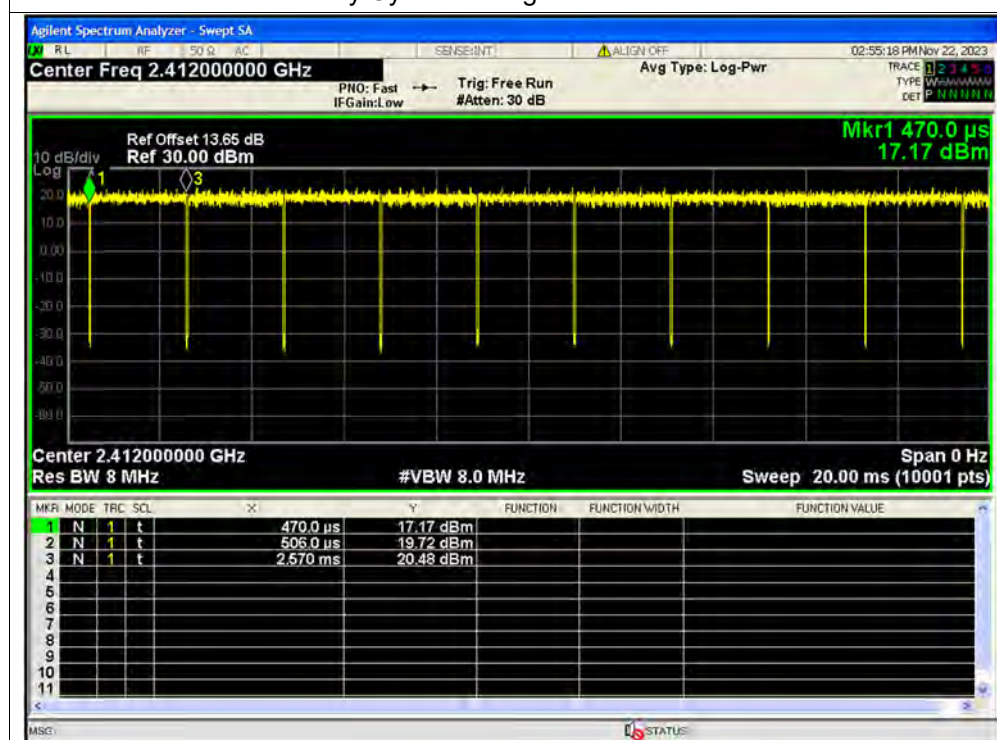




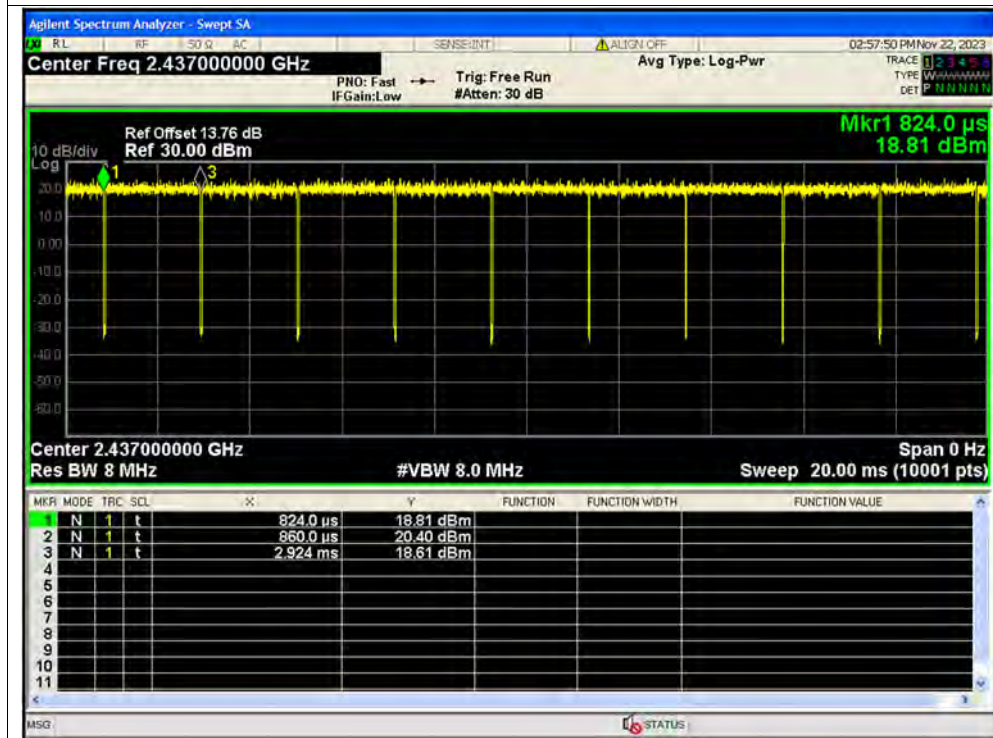
Duty Cycle NVNT b 2462MHz Ant1



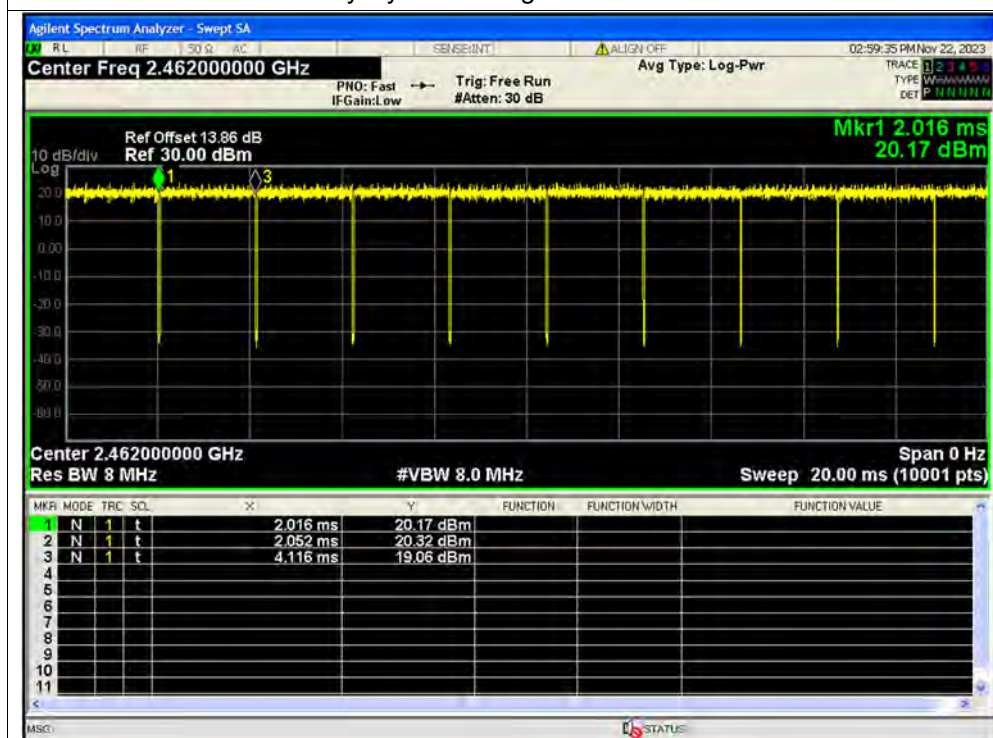
Duty Cycle NVNT g 2412MHz Ant1



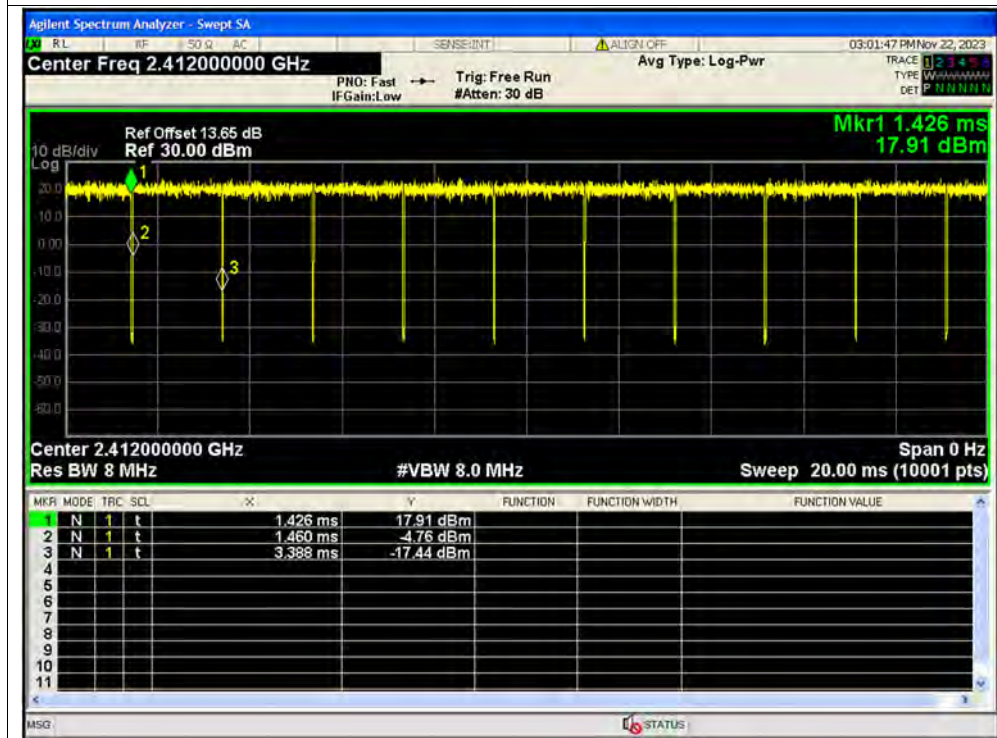
Duty Cycle NVNT g 2437MHz Ant1



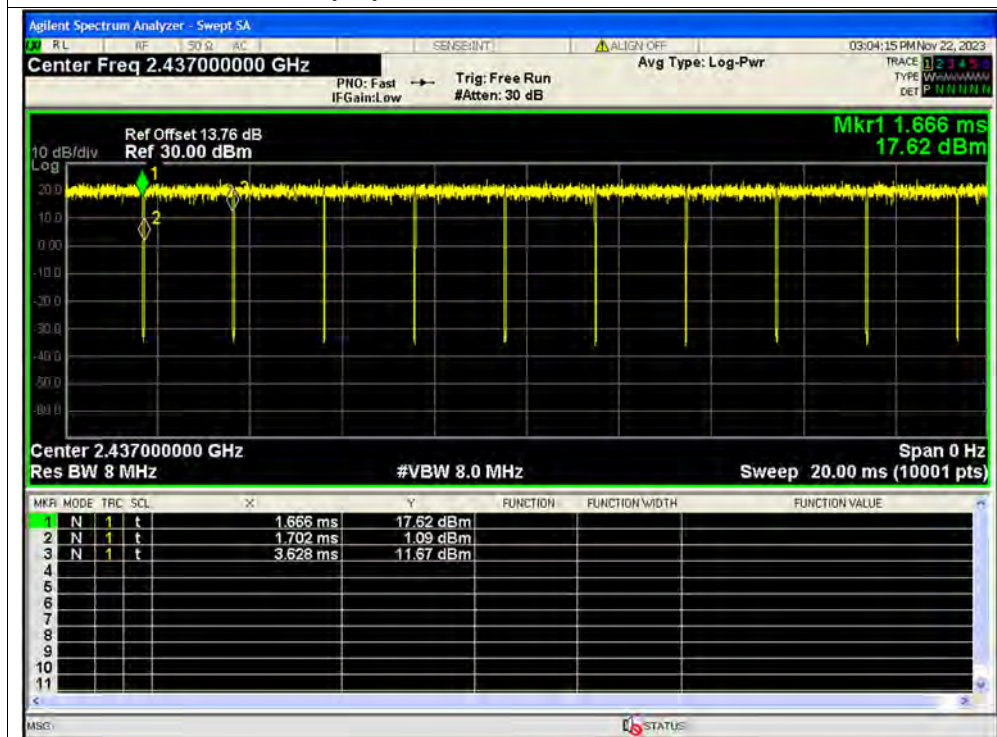
Duty Cycle NVNT g 2462MHz Ant1



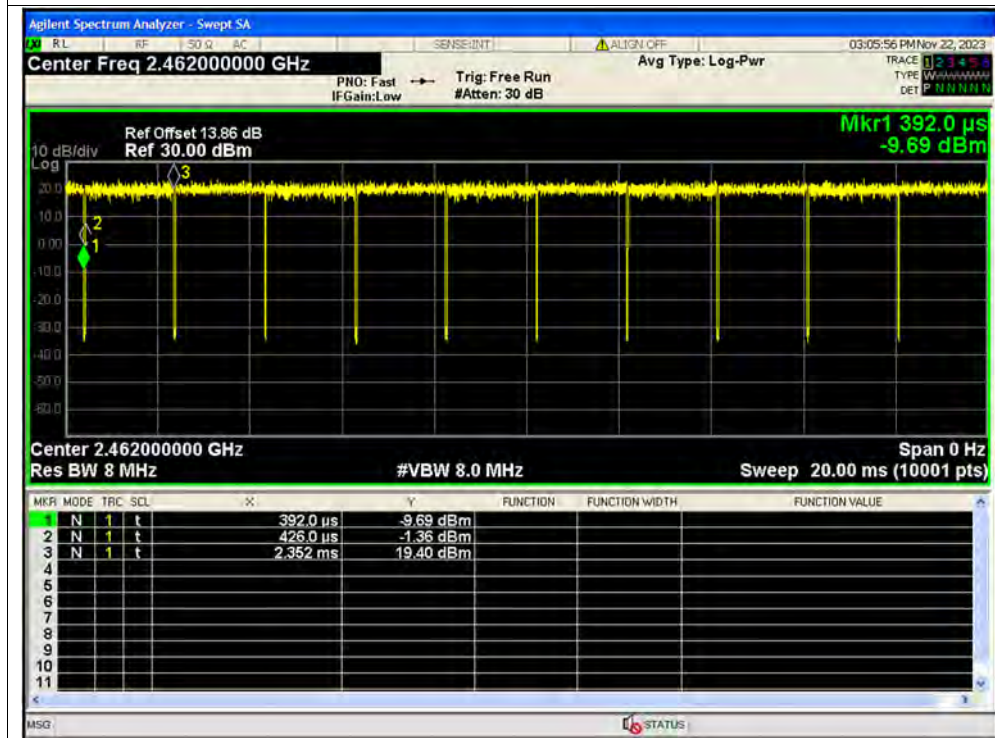
Duty Cycle NVNT n20 2412MHz Ant1



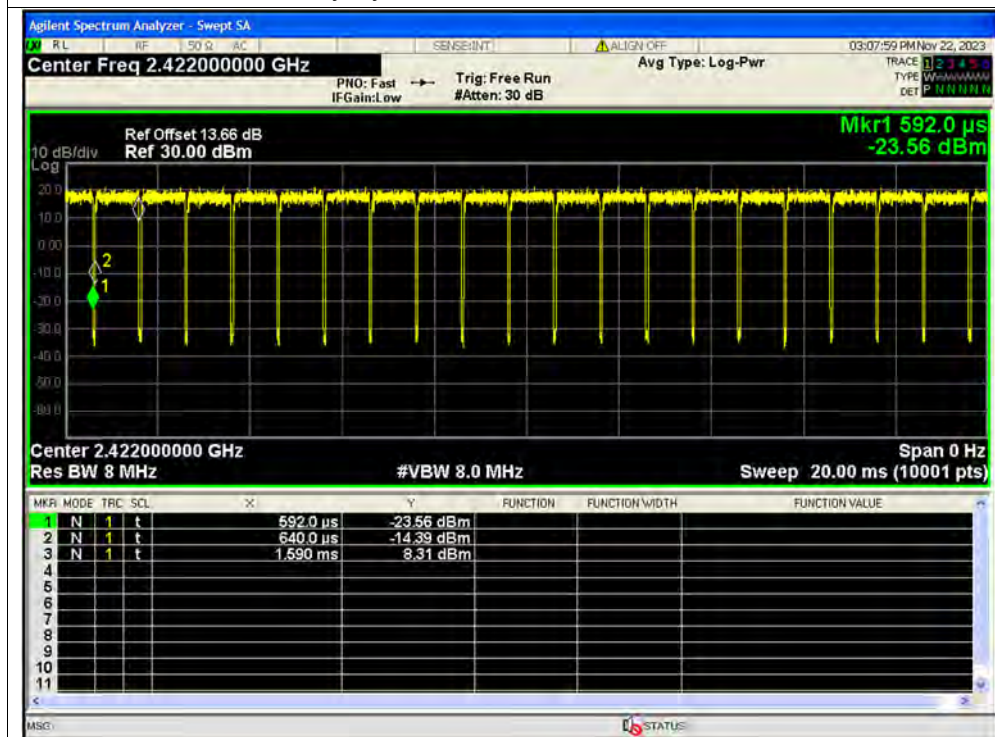
Duty Cycle NVNT n20 2437MHz Ant1



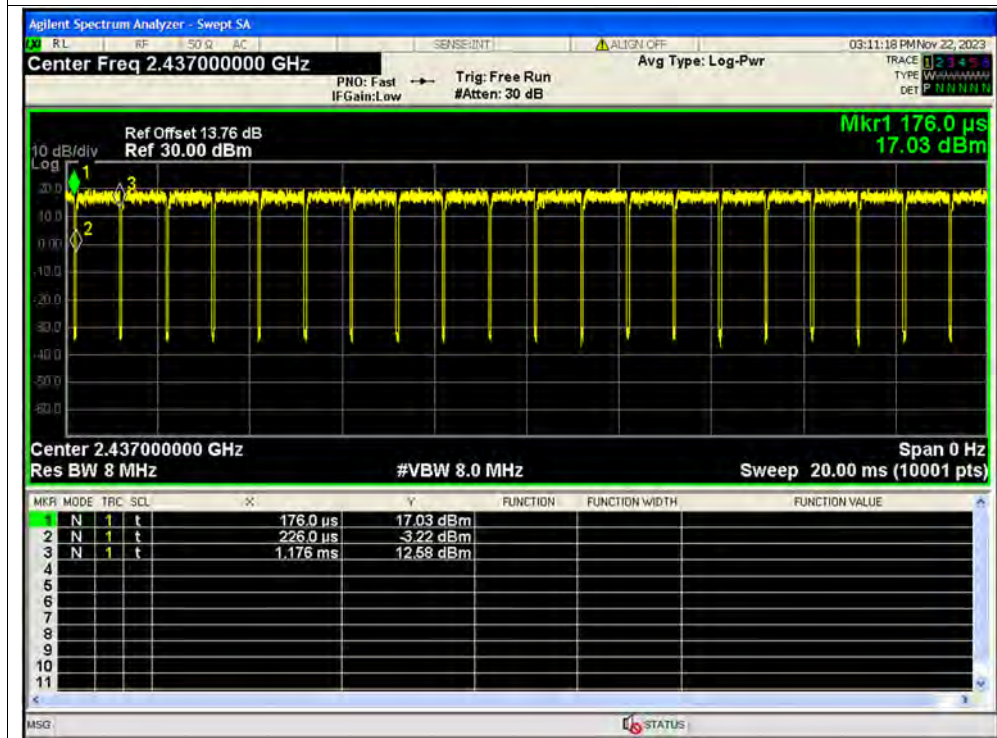
Duty Cycle NVNT n20 2462MHz Ant1



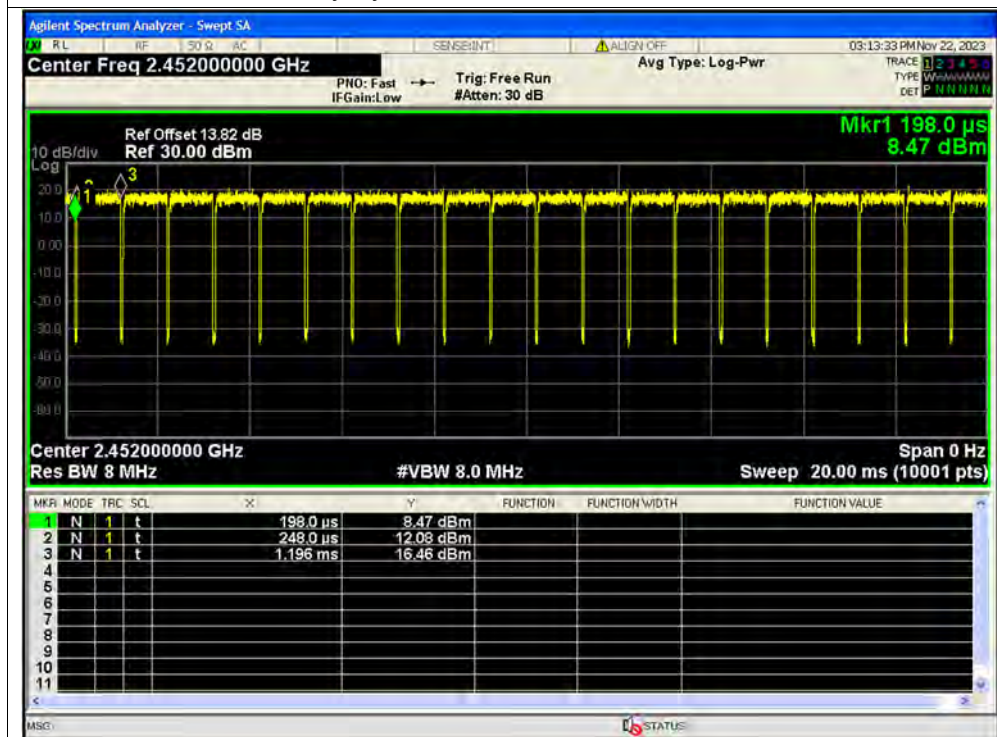
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

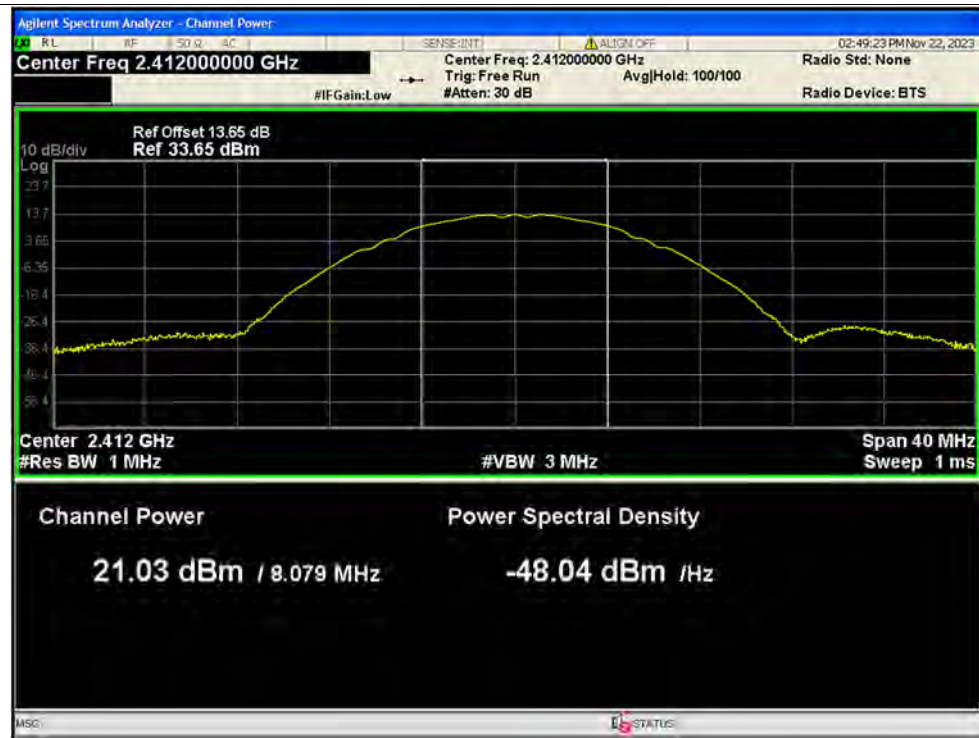


**A.2. Maximum Peak Conducted Output Power**

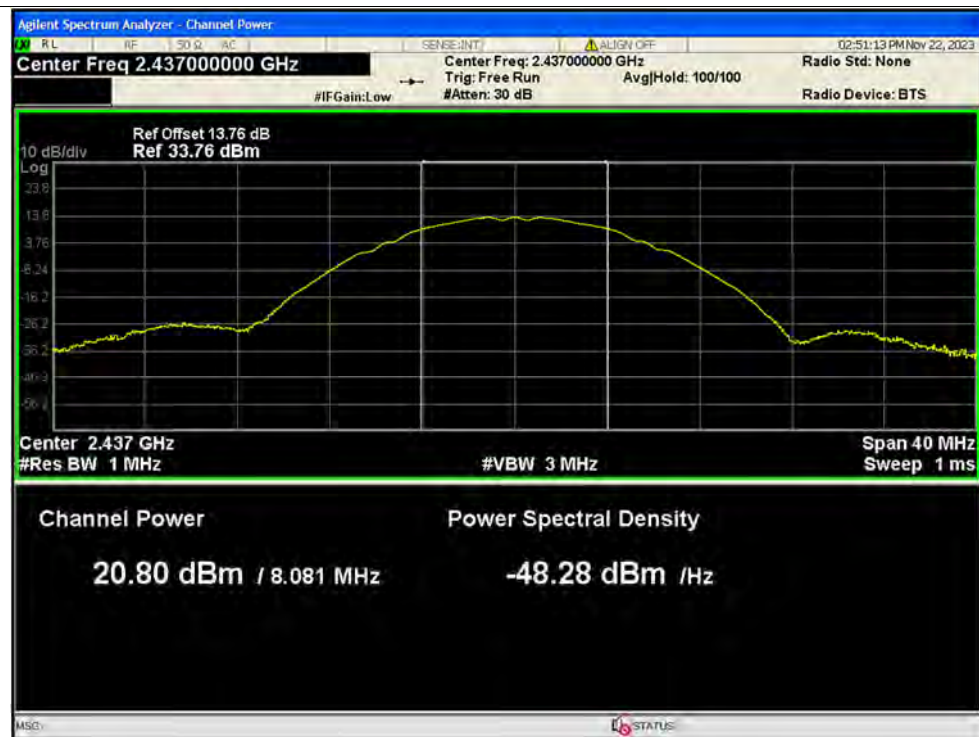
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (W)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	21.03	0	21.03	0.12677	30	Pass
NVNT	b	2437	Ant1	20.8	0	20.8	0.12023	30	Pass
NVNT	b	2462	Ant1	21.02	0	21.02	0.12647	30	Pass
NVNT	g	2412	Ant1	24.04	0	24.04	0.25351	30	Pass
NVNT	g	2437	Ant1	24.33	0	24.33	0.27102	30	Pass
NVNT	g	2462	Ant1	24.03	0	24.03	0.25293	30	Pass
NVNT	n20	2412	Ant1	24.37	0	24.37	0.27353	30	Pass
NVNT	n20	2437	Ant1	24.24	0	24.24	0.26546	30	Pass
NVNT	n20	2462	Ant1	24.29	0	24.29	0.26853	30	Pass
NVNT	n40	2422	Ant1	25.06	0	25.06	0.32063	30	Pass
NVNT	n40	2437	Ant1	25.19	0	25.19	0.33037	30	Pass
NVNT	n40	2452	Ant1	24.63	0	24.63	0.2904	30	Pass

Test Graphs

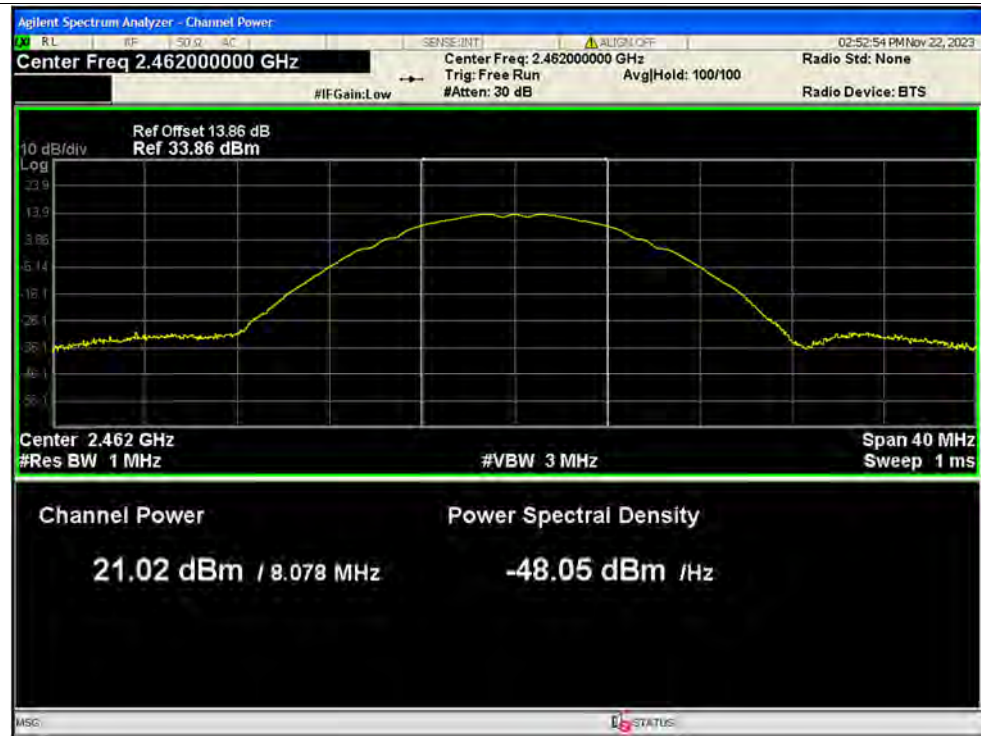
Peak Power NVNT b 2412MHz Ant1



Peak Power NVNT b 2437MHz Ant1



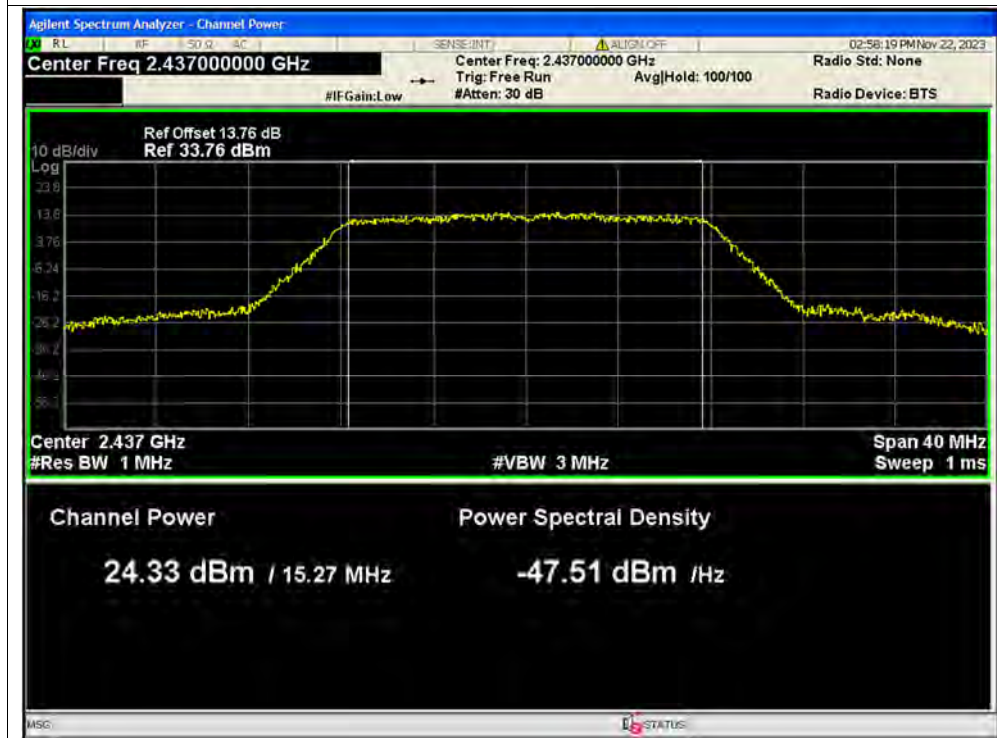
Peak Power NVNT b 2462MHz Ant1



Peak Power NVNT g 2412MHz Ant1



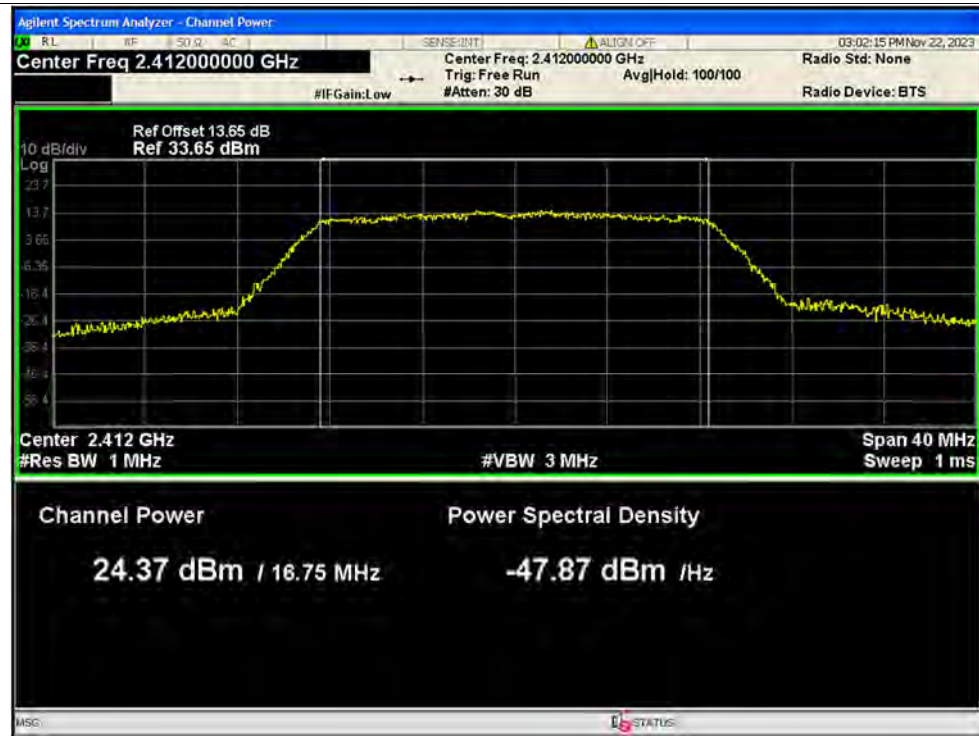
Peak Power NVNT g 2437MHz Ant1



Peak Power NVNT g 2462MHz Ant1



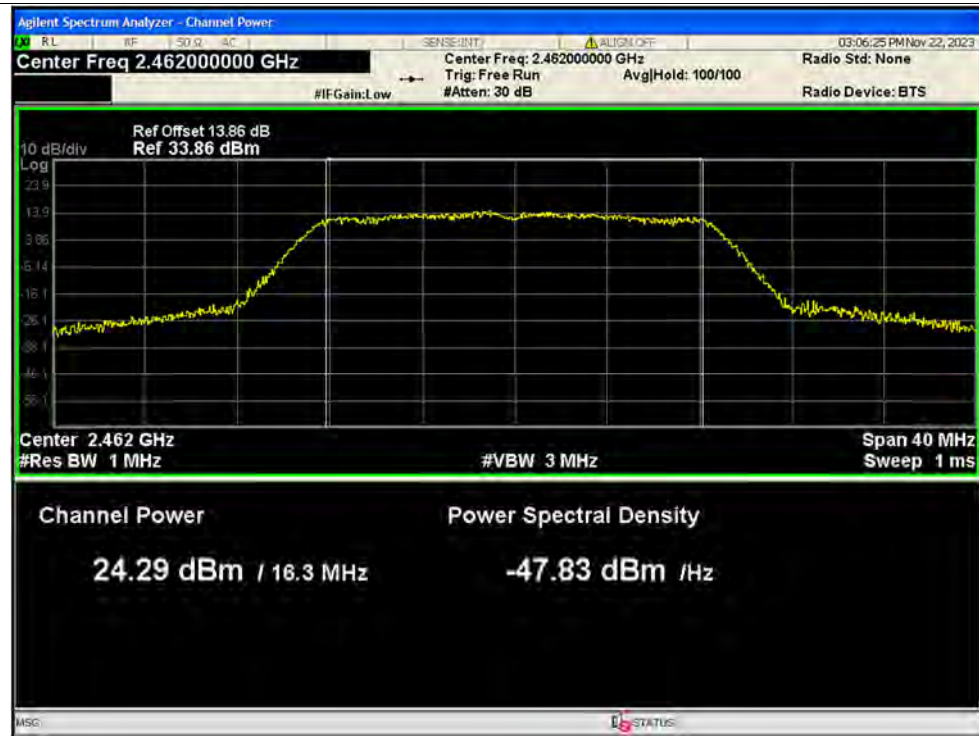
Peak Power NVNT n20 2412MHz Ant1



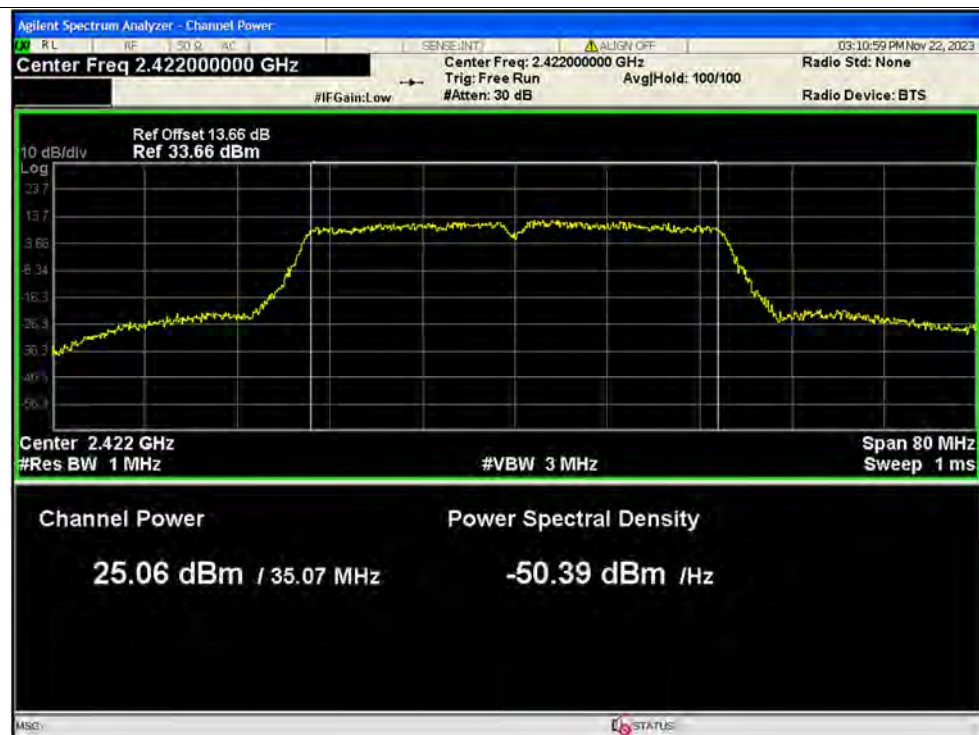
Peak Power NVNT n20 2437MHz Ant1



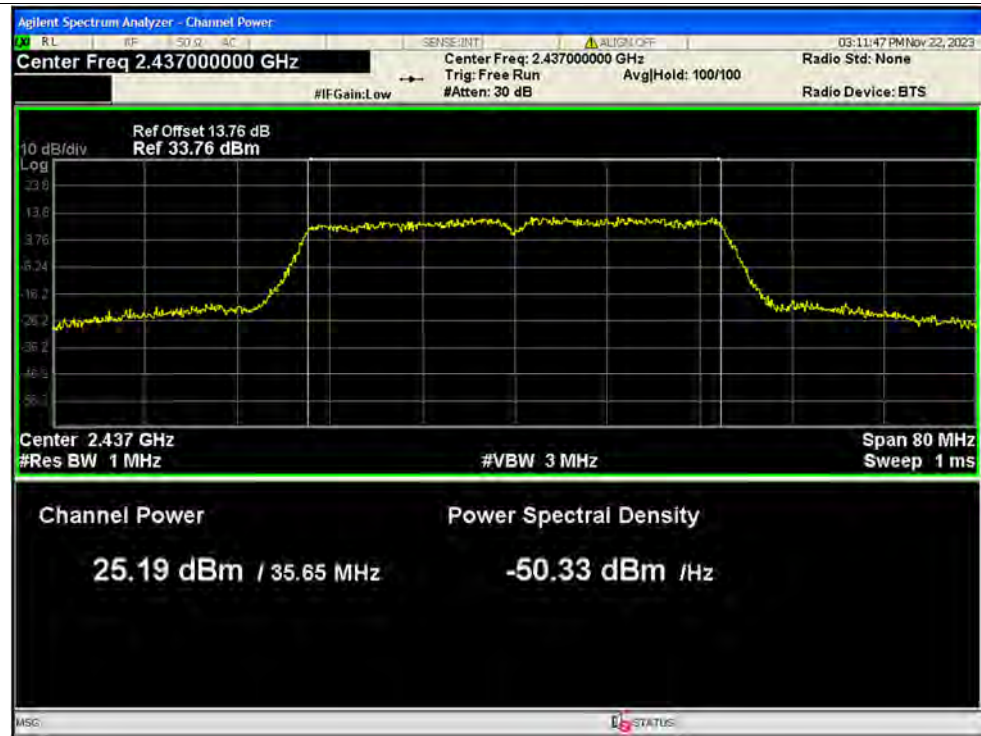
Peak Power NVNT n20 2462MHz Ant1



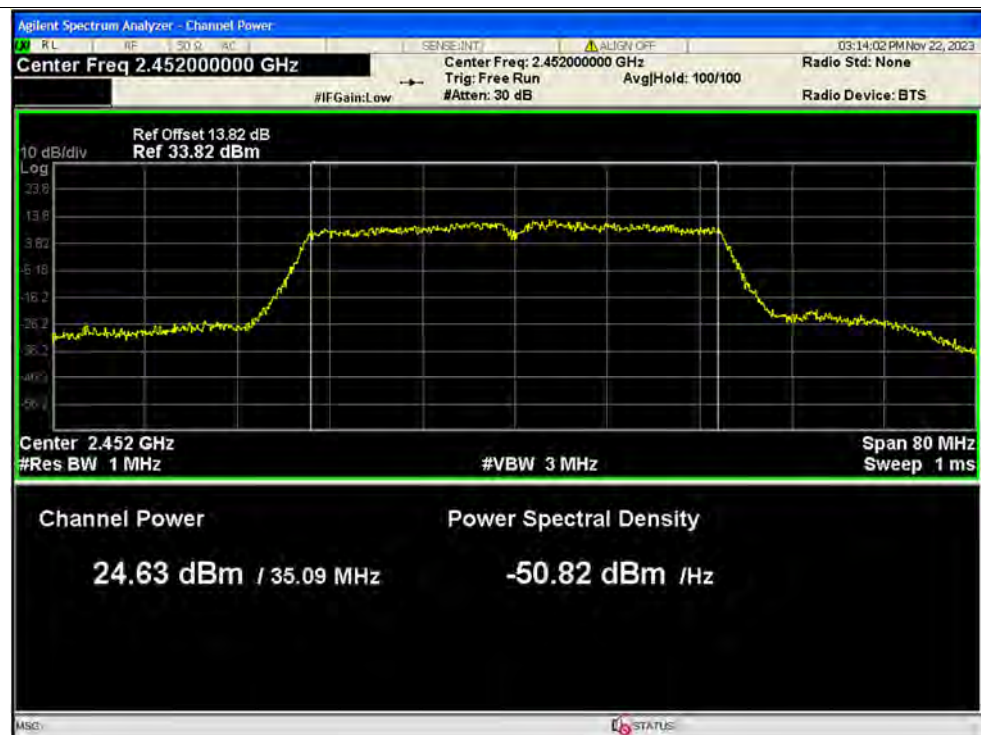
Peak Power NVNT n40 2422MHz Ant1



Peak Power NVNT n40 2437MHz Ant1



Peak Power NVNT n40 2452MHz Ant1



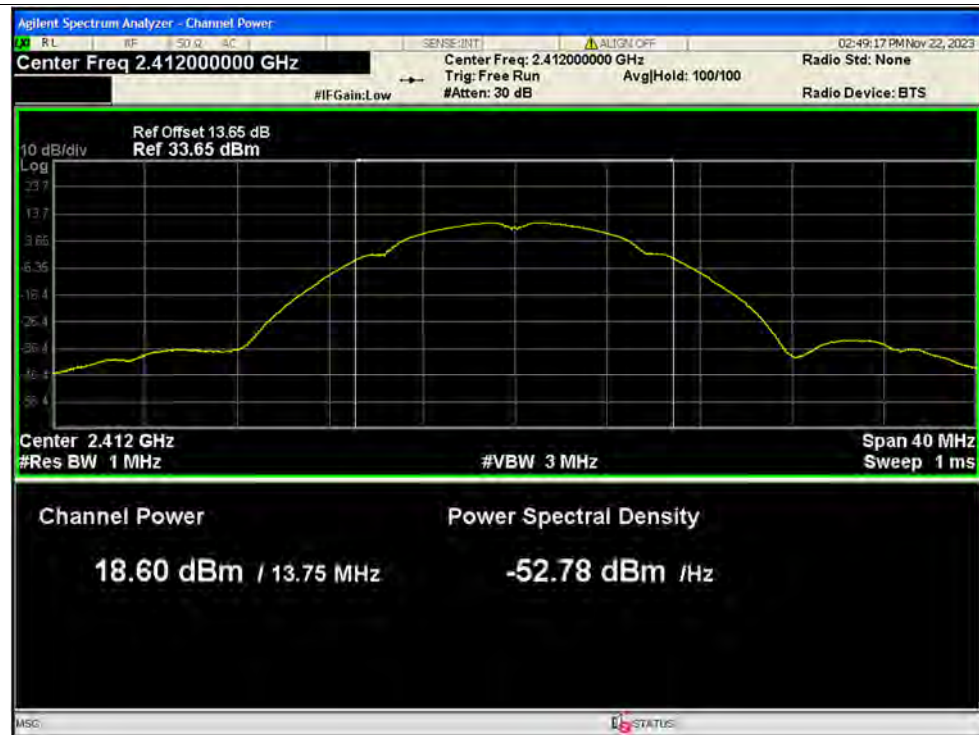
**A.3. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (W)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	18.6	0.05	18.65	0.07328	30	Pass
NVNT	b	2437	Ant1	18.33	0.06	18.39	0.06902	30	Pass
NVNT	b	2462	Ant1	18.52	0.06	18.58	0.07211	30	Pass
NVNT	g	2412	Ant1	17.43	0.08	17.51	0.05636	30	Pass
NVNT	g	2437	Ant1	17.32	0.08	17.4	0.05495	30	Pass
NVNT	g	2462	Ant1	17.46	0.08	17.54	0.05675	30	Pass
NVNT	n20	2412	Ant1	17.27	0.08	17.35	0.05433	30	Pass
NVNT	n20	2437	Ant1	17.2	0.08	17.28	0.05346	30	Pass
NVNT	n20	2462	Ant1	17.23	0.08	17.31	0.05383	30	Pass
NVNT	n40	2422	Ant1	17.62	0.21	17.83	0.06067	30	Pass
NVNT	n40	2437	Ant1	17.79	0.22	18.01	0.06324	30	Pass
NVNT	n40	2452	Ant1	17.28	0.22	17.5	0.05623	30	Pass



Test Graphs

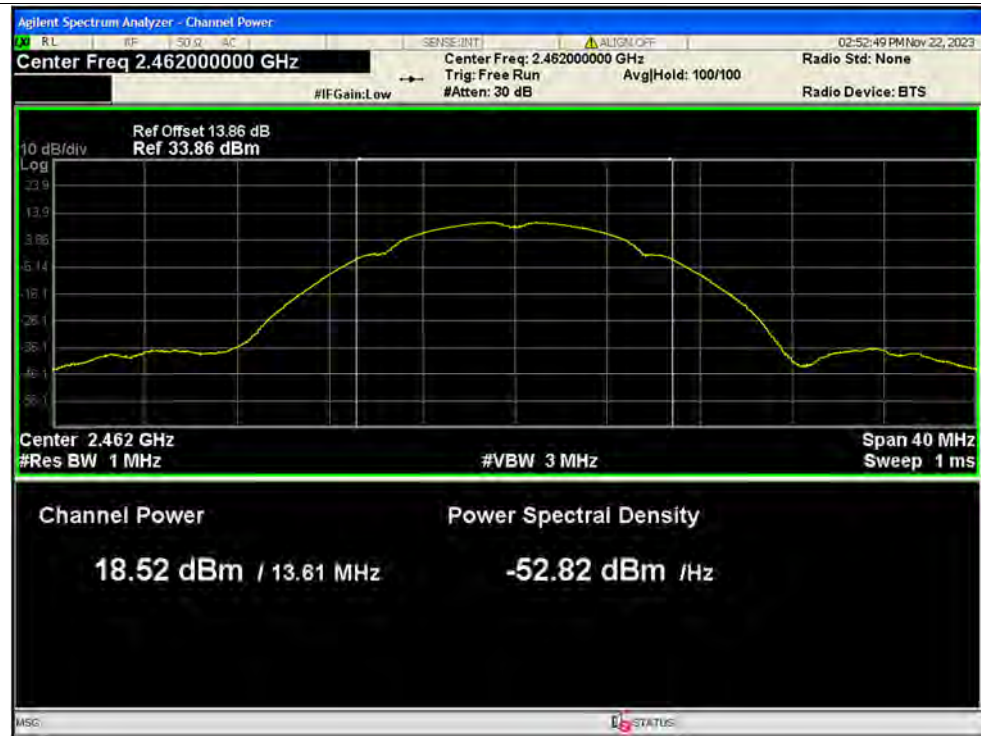
Average Power NVNT b 2412MHz Ant1



Average Power NVNT b 2437MHz Ant1



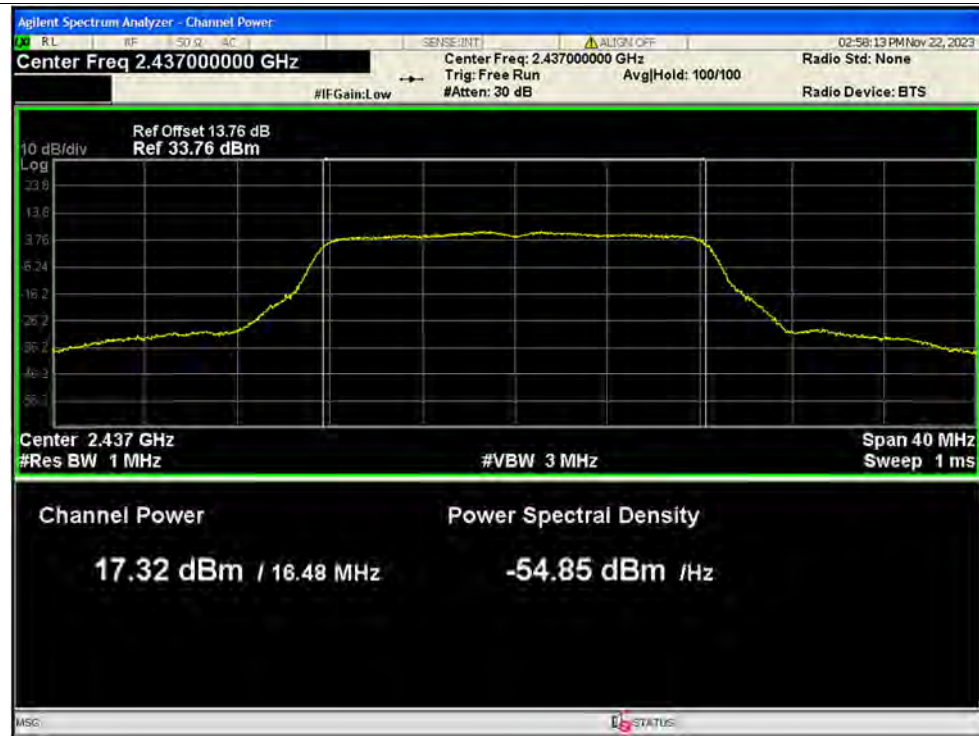
Average Power NVNT b 2462MHz Ant1



Average Power NVNT g 2412MHz Ant1



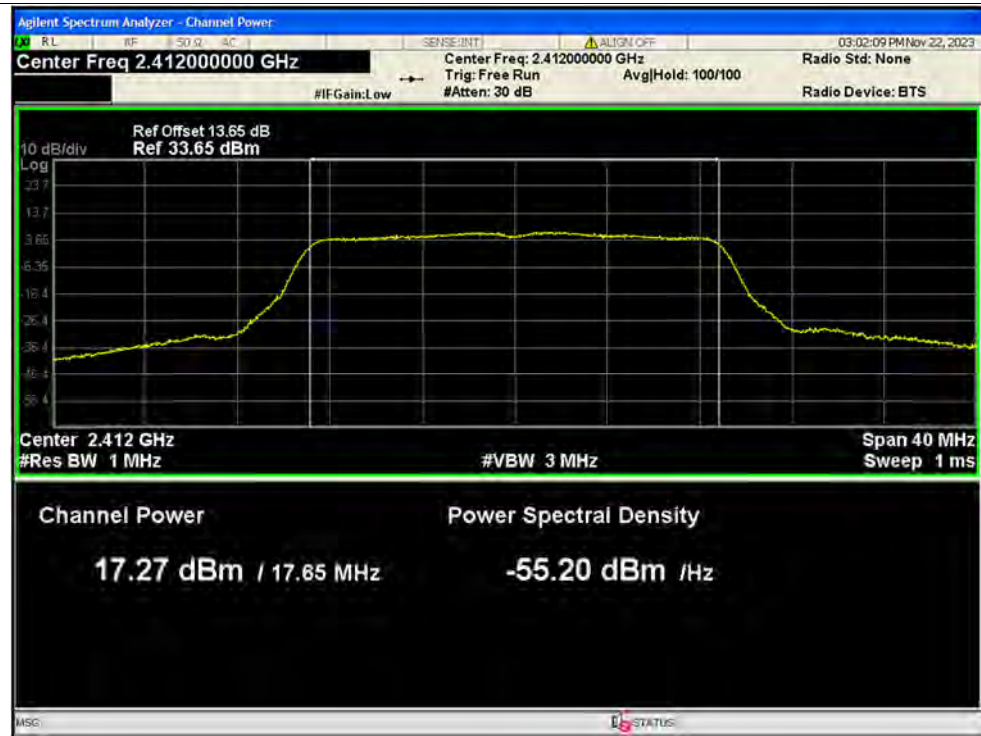
Average Power NVNT g 2437MHz Ant1



Average Power NVNT g 2462MHz Ant1



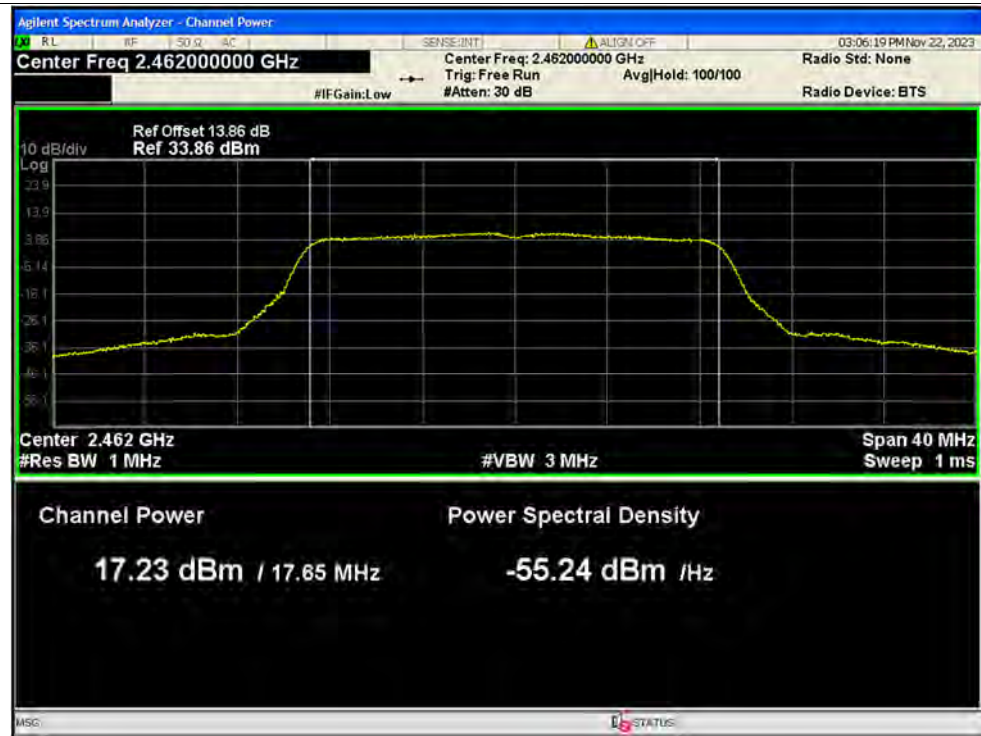
Average Power NVNT n20 2412MHz Ant1



Average Power NVNT n20 2437MHz Ant1



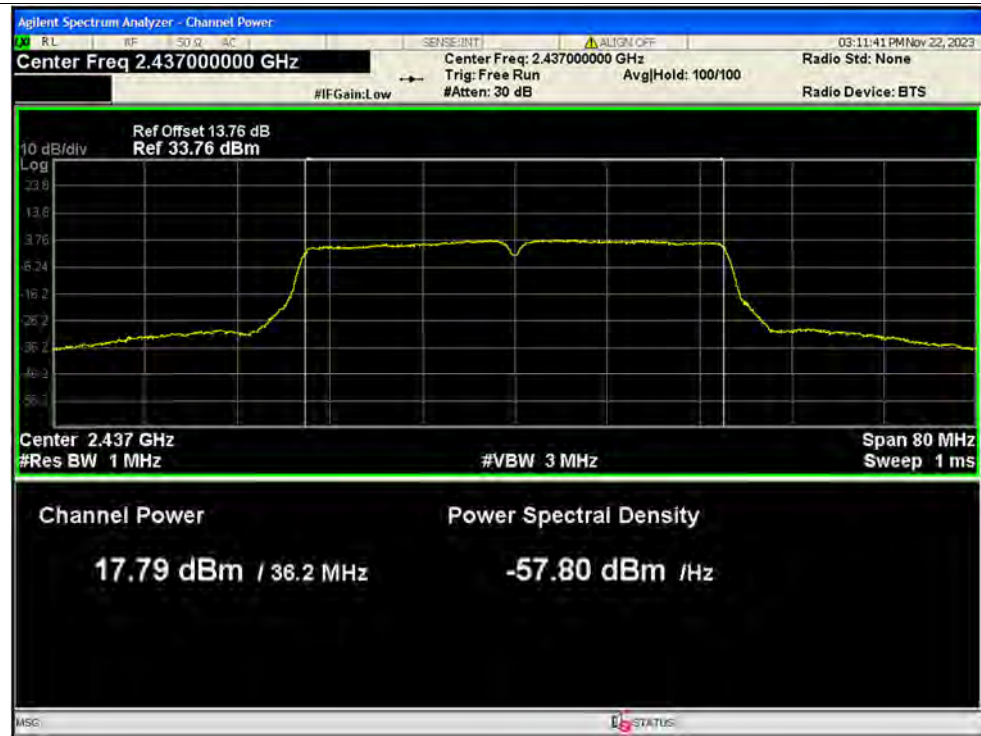
Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



Average Power NVNT n40 2437MHz Ant1



Average Power NVNT n40 2452MHz Ant1



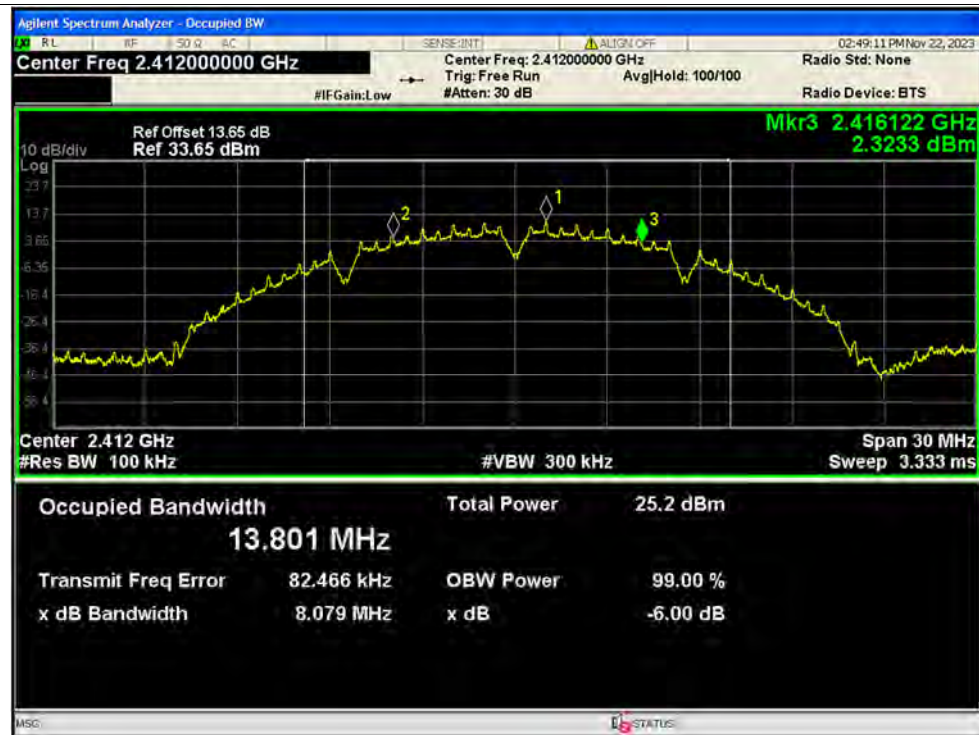
**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.079	0.5	Pass
NVNT	b	2437	Ant1	8.081	0.5	Pass
NVNT	b	2462	Ant1	8.078	0.5	Pass
NVNT	g	2412	Ant1	13.905	0.5	Pass
NVNT	g	2437	Ant1	15.272	0.5	Pass
NVNT	g	2462	Ant1	13.183	0.5	Pass
NVNT	n20	2412	Ant1	16.752	0.5	Pass
NVNT	n20	2437	Ant1	15.966	0.5	Pass
NVNT	n20	2462	Ant1	16.298	0.5	Pass
NVNT	n40	2422	Ant1	35.073	0.5	Pass
NVNT	n40	2437	Ant1	35.651	0.5	Pass
NVNT	n40	2452	Ant1	35.09	0.5	Pass



Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



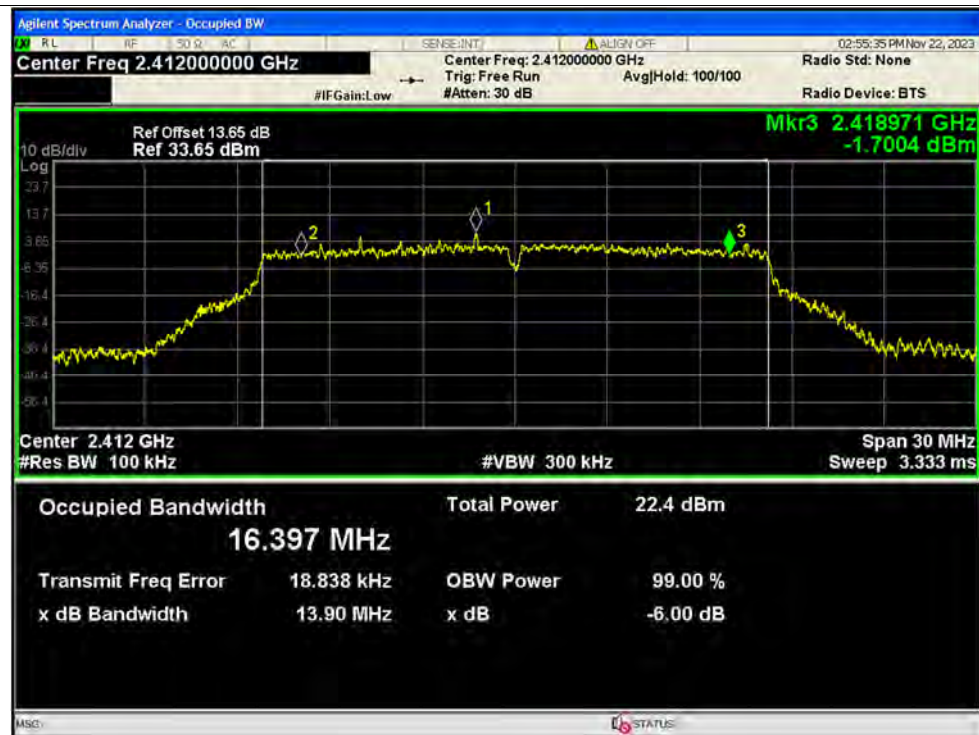
-6dB Bandwidth NVNT b 2437MHz Ant1



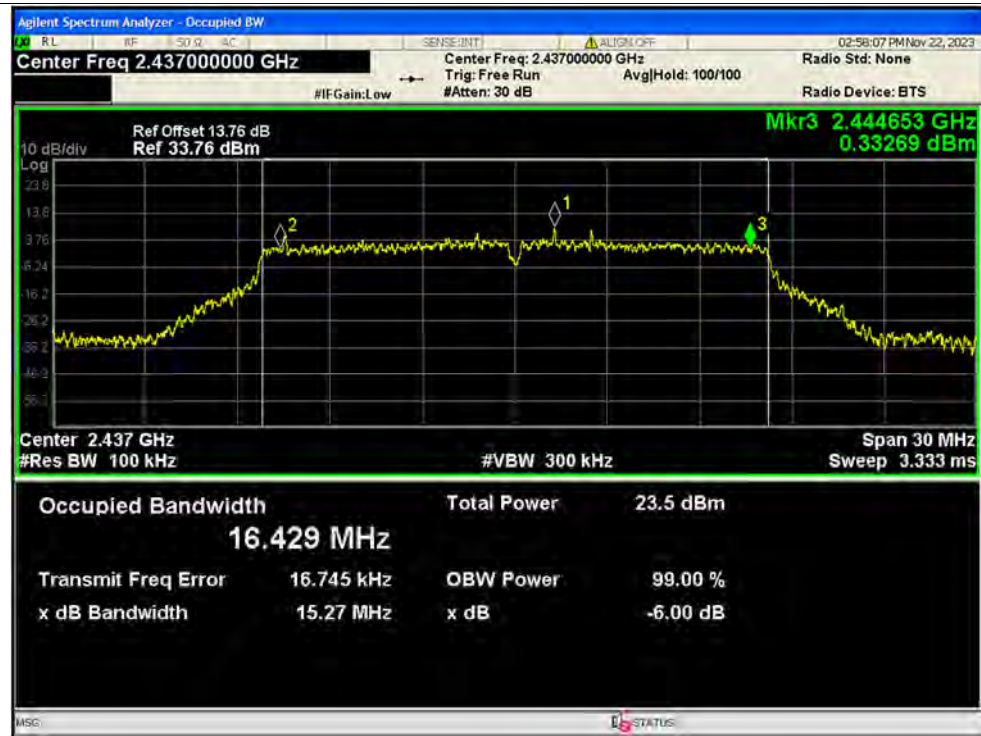
-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1



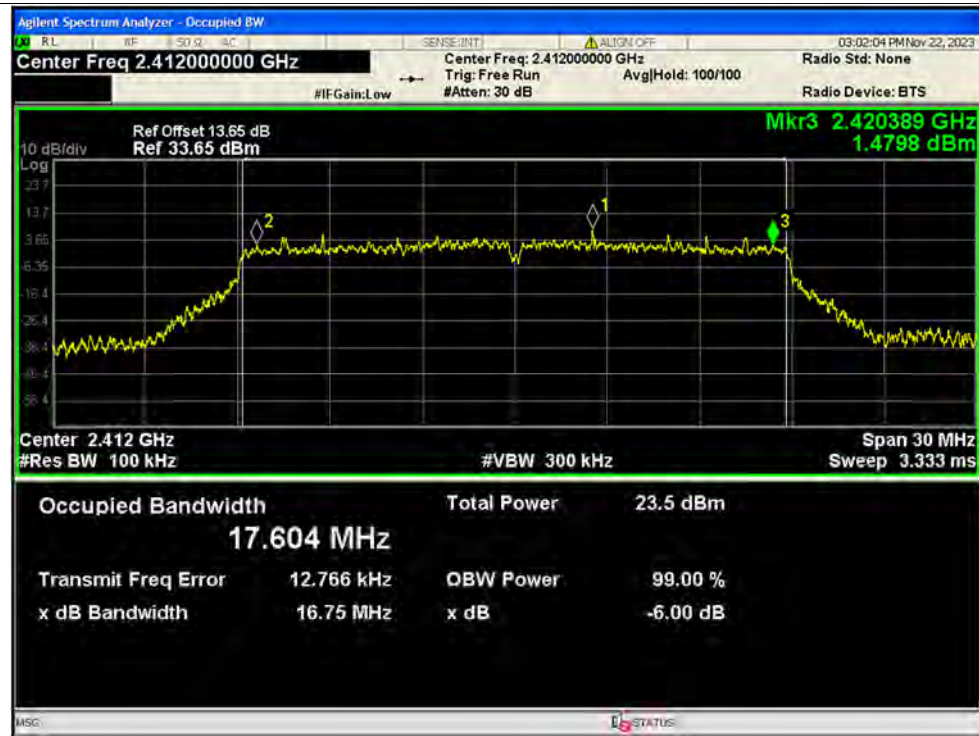
-6dB Bandwidth NVNT g 2437MHz Ant1



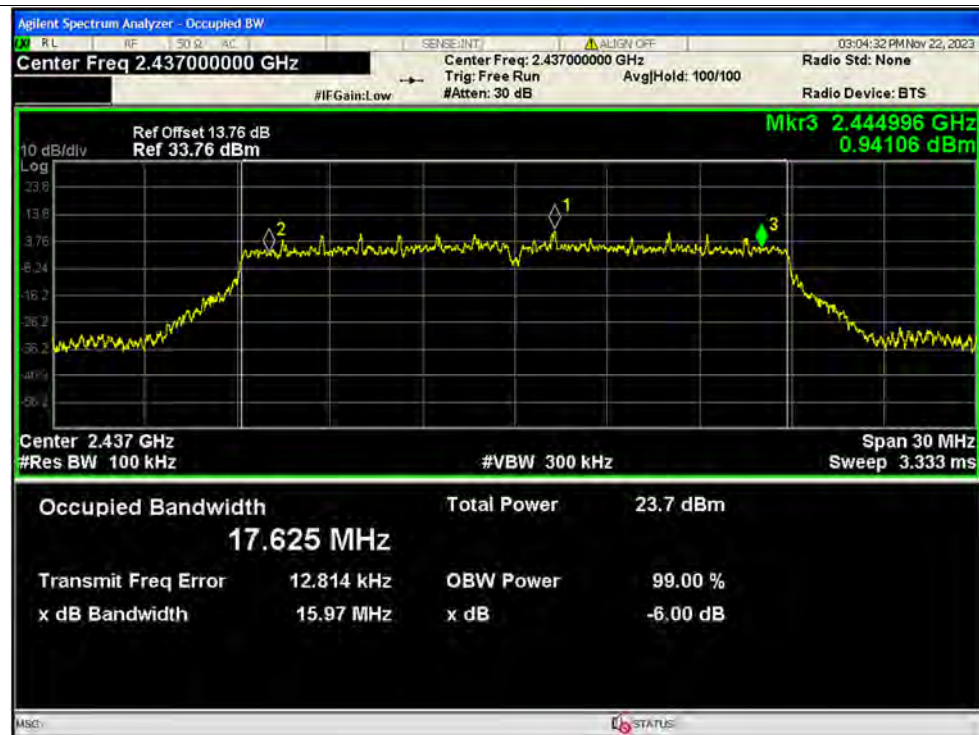
-6dB Bandwidth NVNT g 2462MHz Ant1



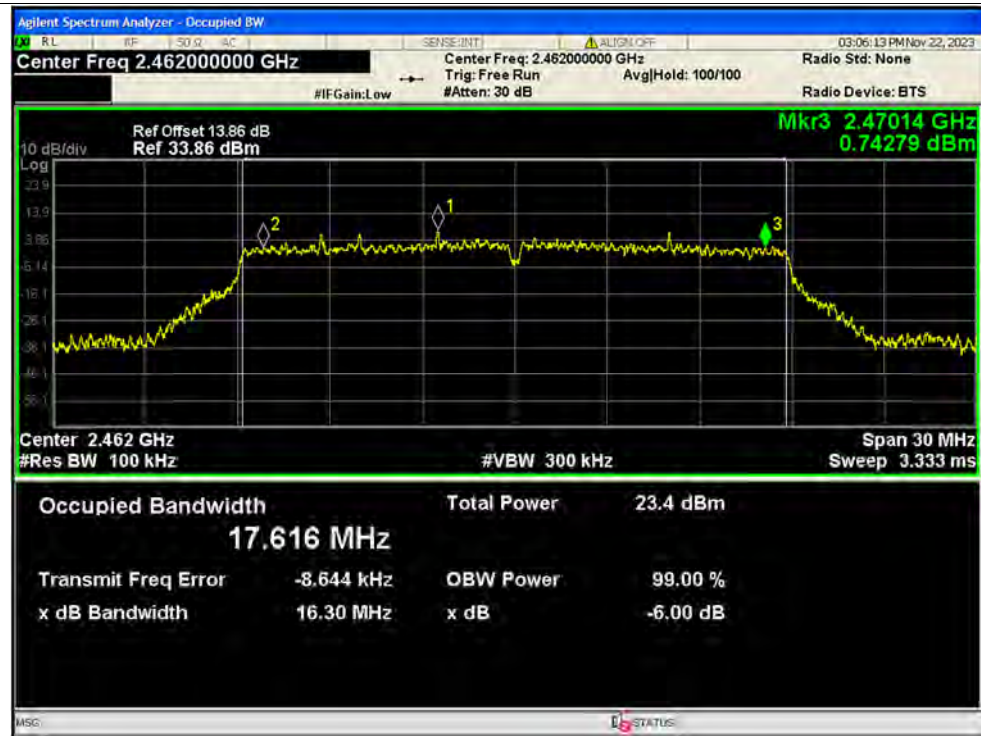
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



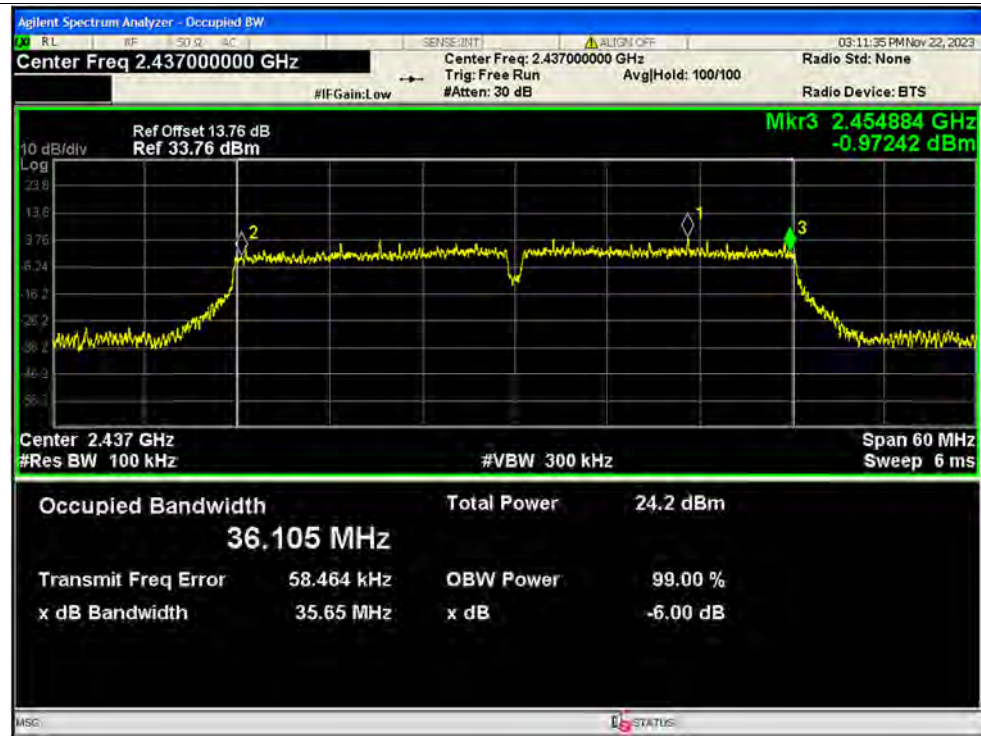
-6dB Bandwidth NVNT n20 2462MHz Ant1



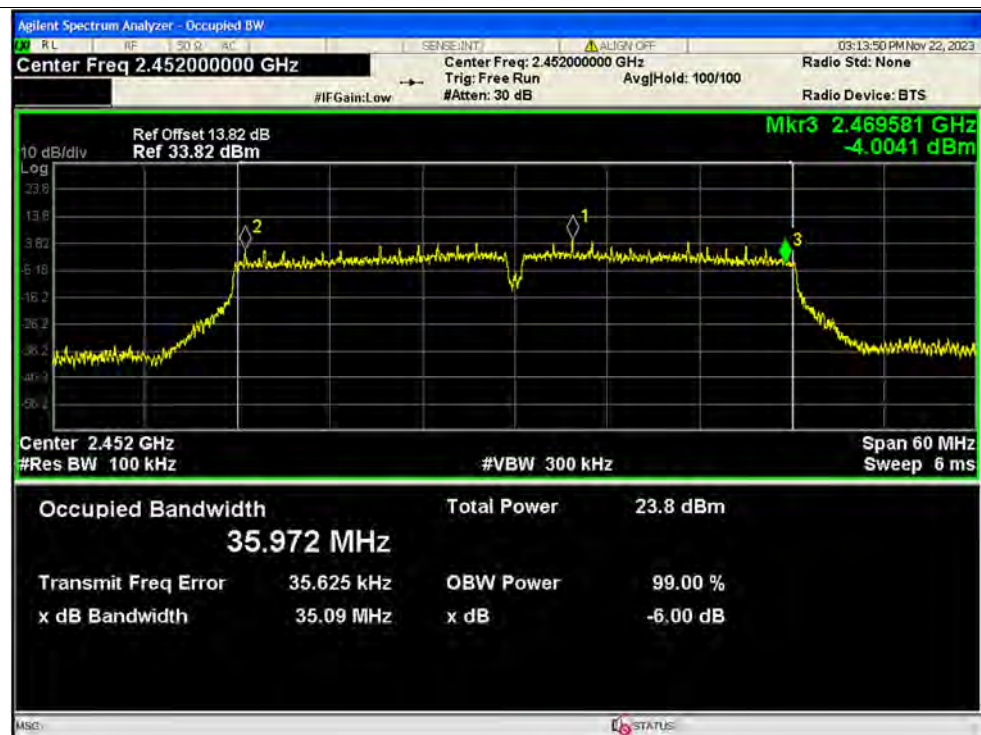
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



**A.5. Conducted Spurious Emissions**

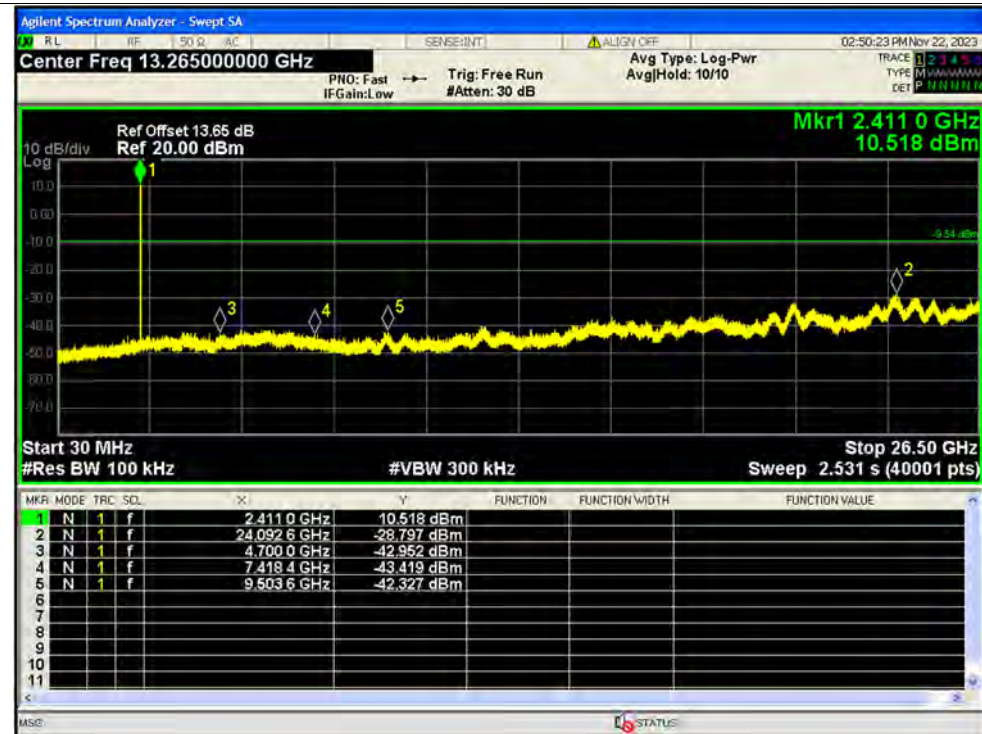
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-39.25	-20	Pass
NVNT	b	2437	Ant1	-38.5	-20	Pass
NVNT	b	2462	Ant1	-38.71	-20	Pass
NVNT	g	2412	Ant1	-37.49	-20	Pass
NVNT	g	2437	Ant1	-35.54	-20	Pass
NVNT	g	2462	Ant1	-36.79	-20	Pass
NVNT	n20	2412	Ant1	-36.78	-20	Pass
NVNT	n20	2437	Ant1	-36.88	-20	Pass
NVNT	n20	2462	Ant1	-35.77	-20	Pass
NVNT	n40	2422	Ant1	-34.16	-20	Pass
NVNT	n40	2437	Ant1	-33.08	-20	Pass
NVNT	n40	2452	Ant1	-33.31	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



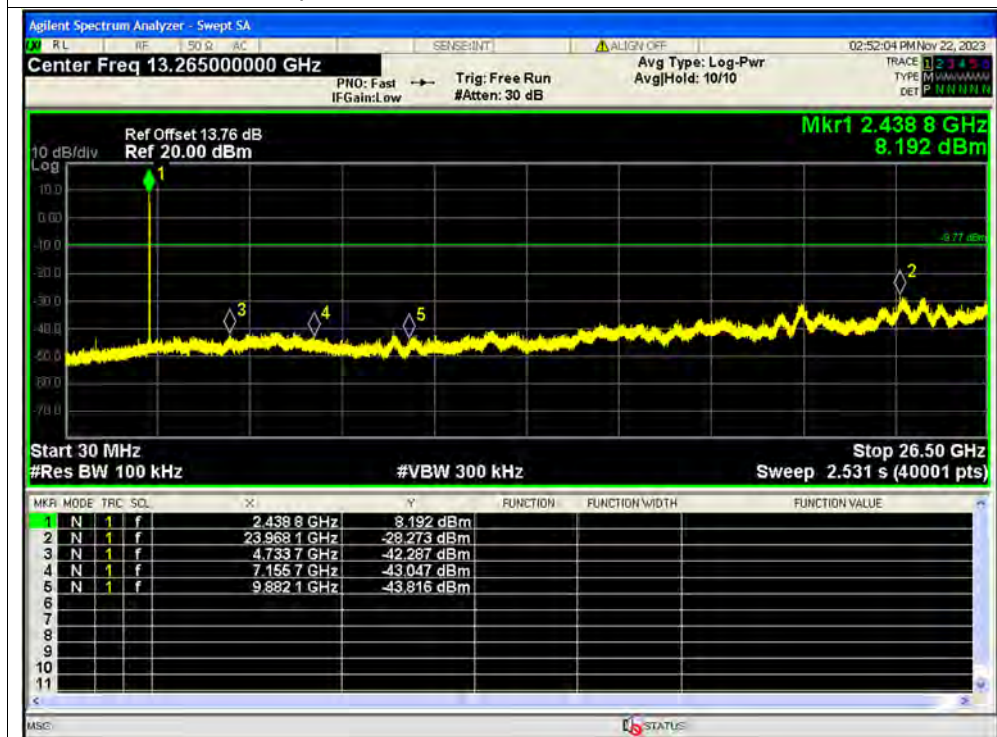
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



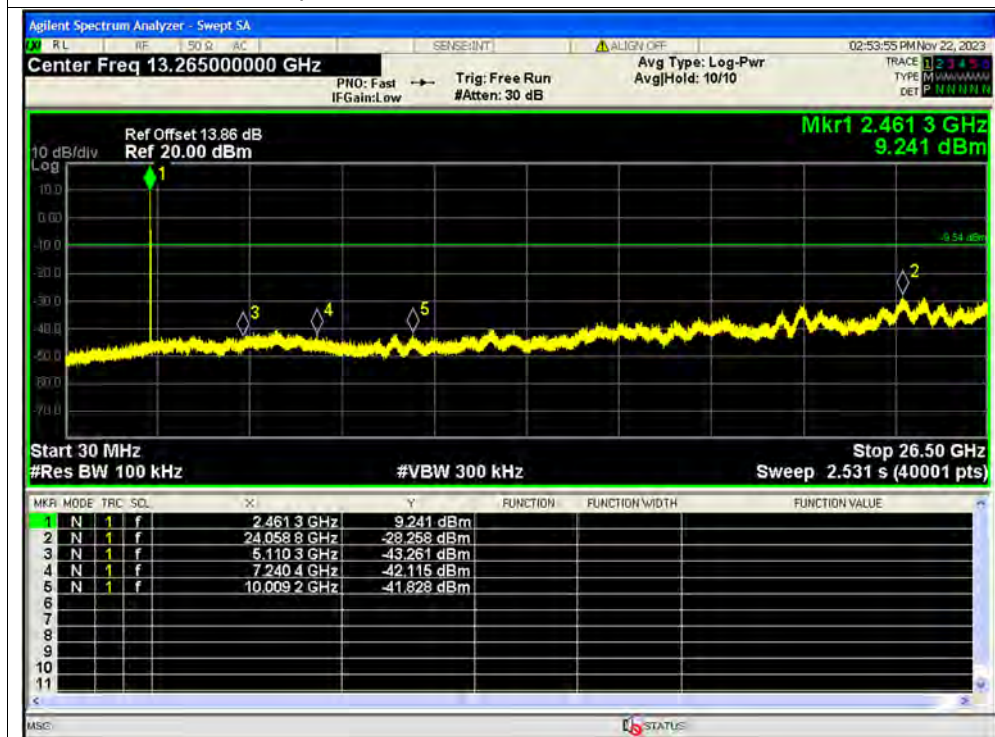
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



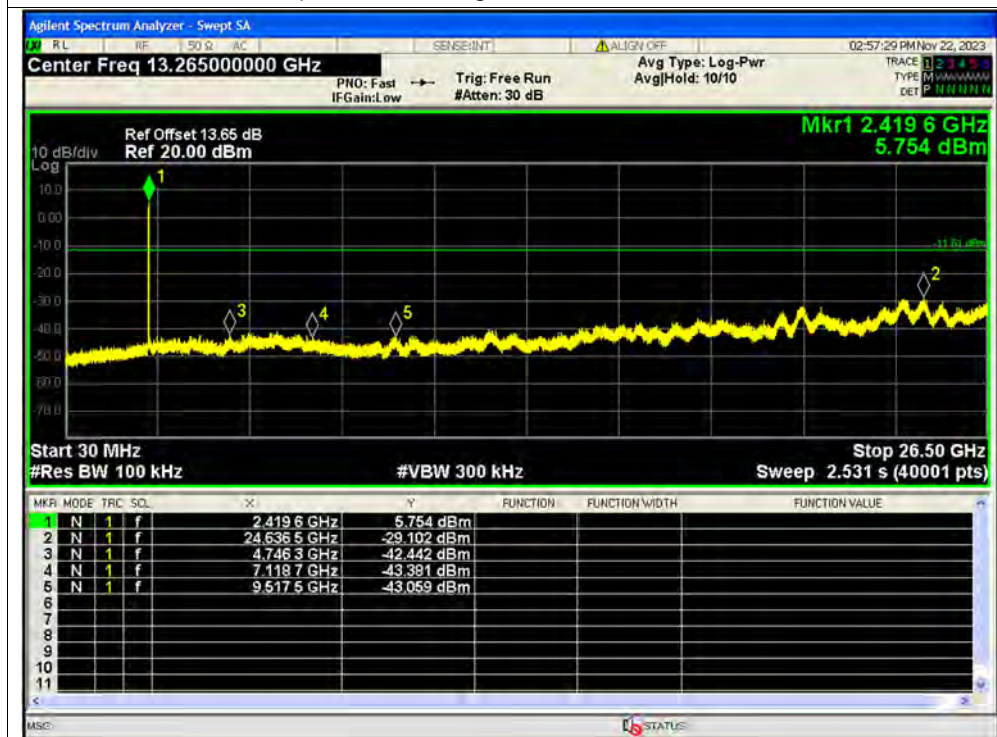
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



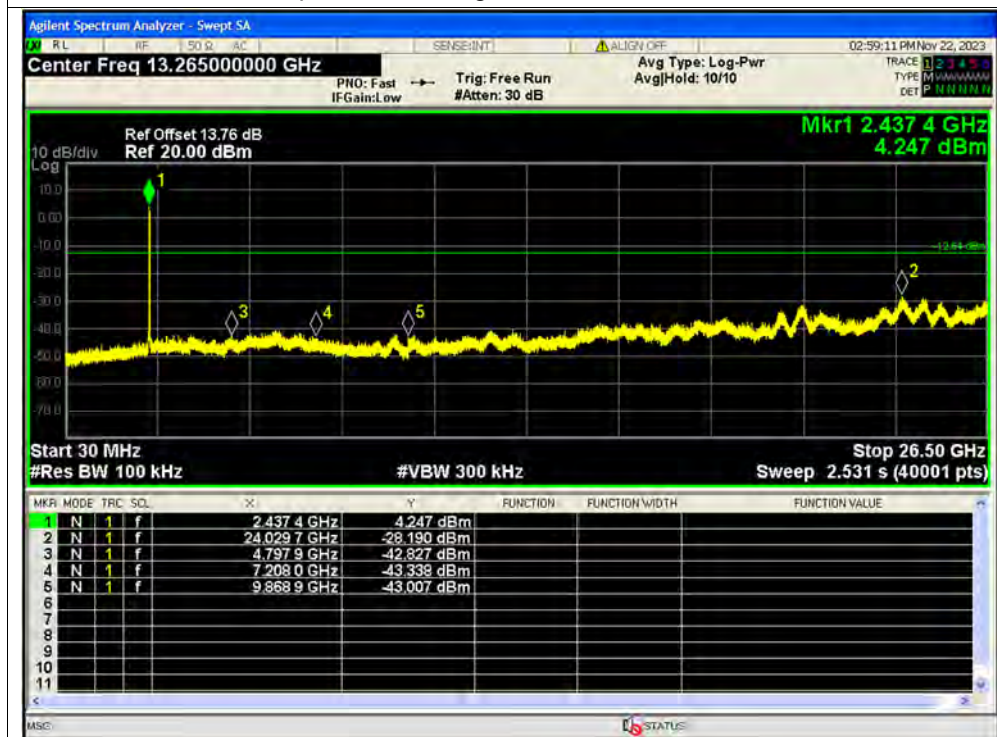
Tx. Spurious NVNT g 2412MHz Ant1 Emission



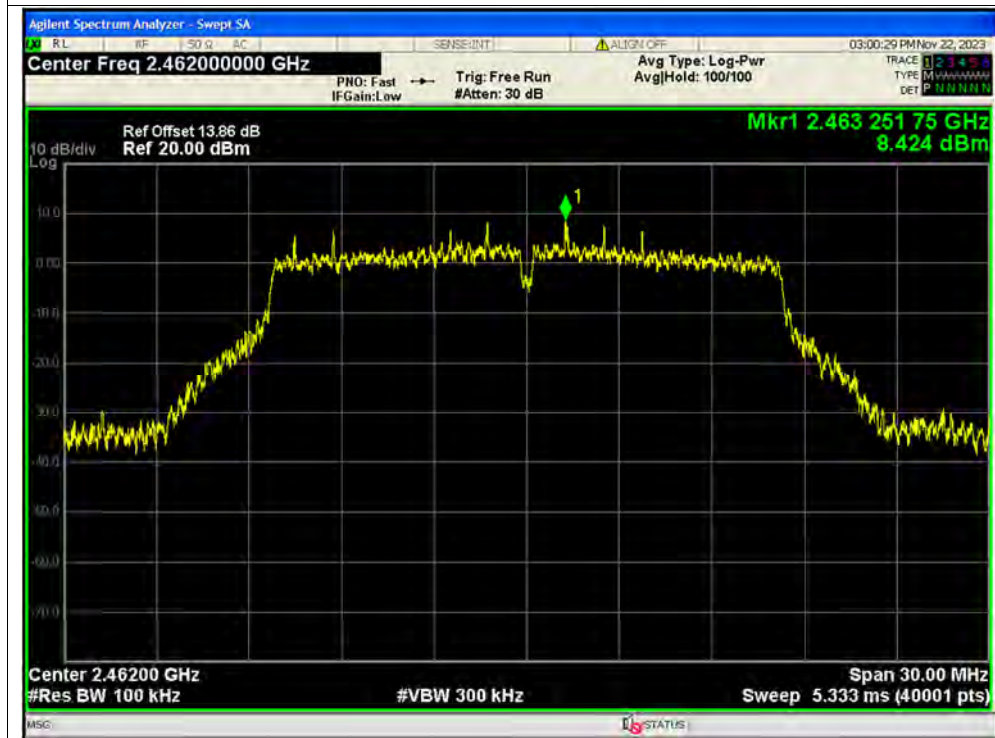
Tx. Spurious NVNT g 2437MHz Ant1 Ref



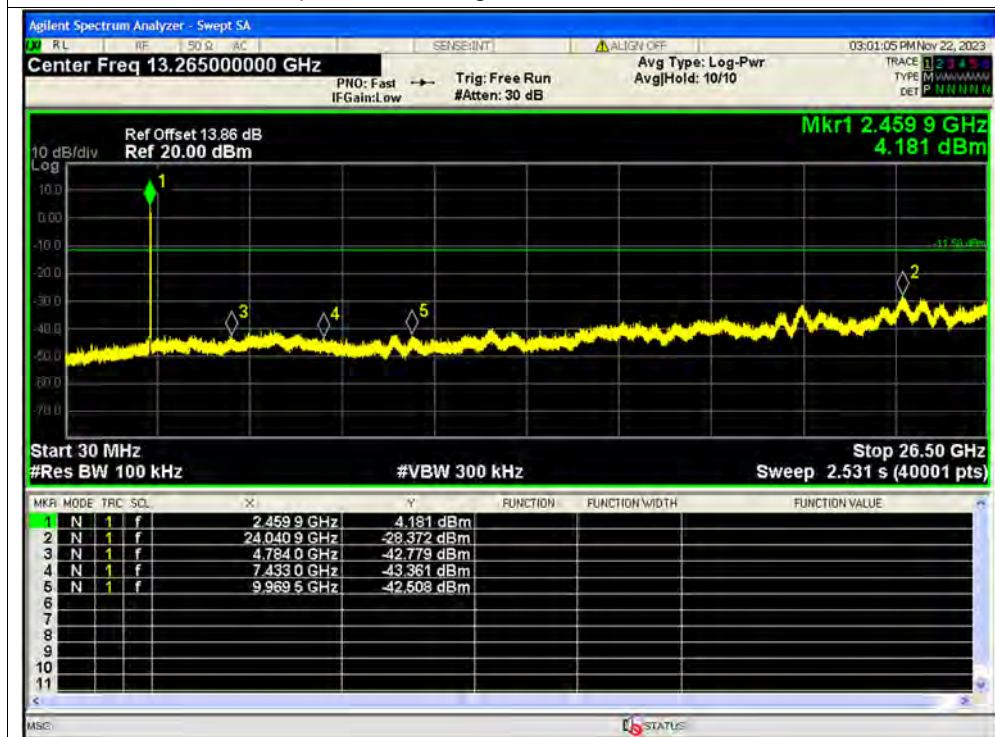
Tx. Spurious NVNT g 2437MHz Ant1 Emission



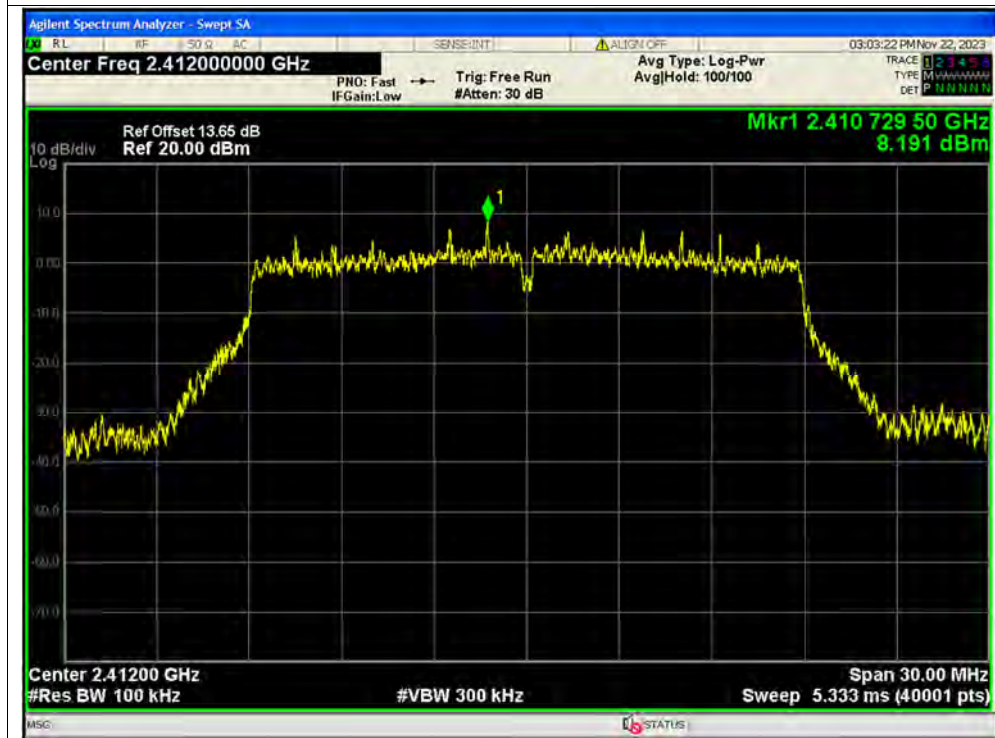
Tx. Spurious NVNT g 2462MHz Ant1 Ref



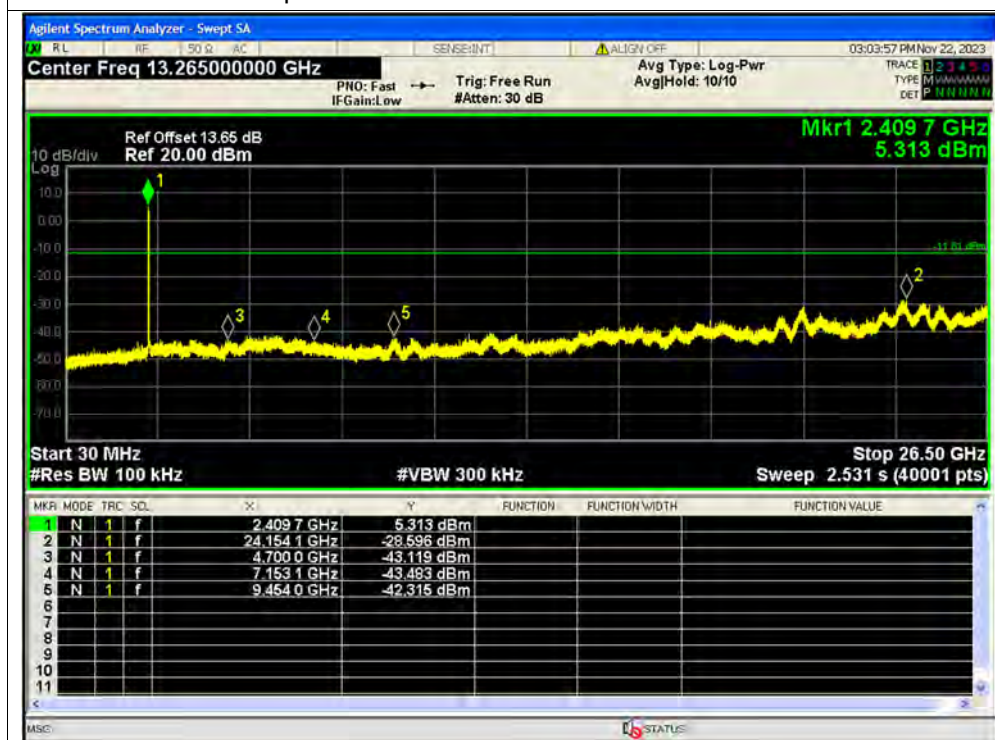
Tx. Spurious NVNT g 2462MHz Ant1 Emission



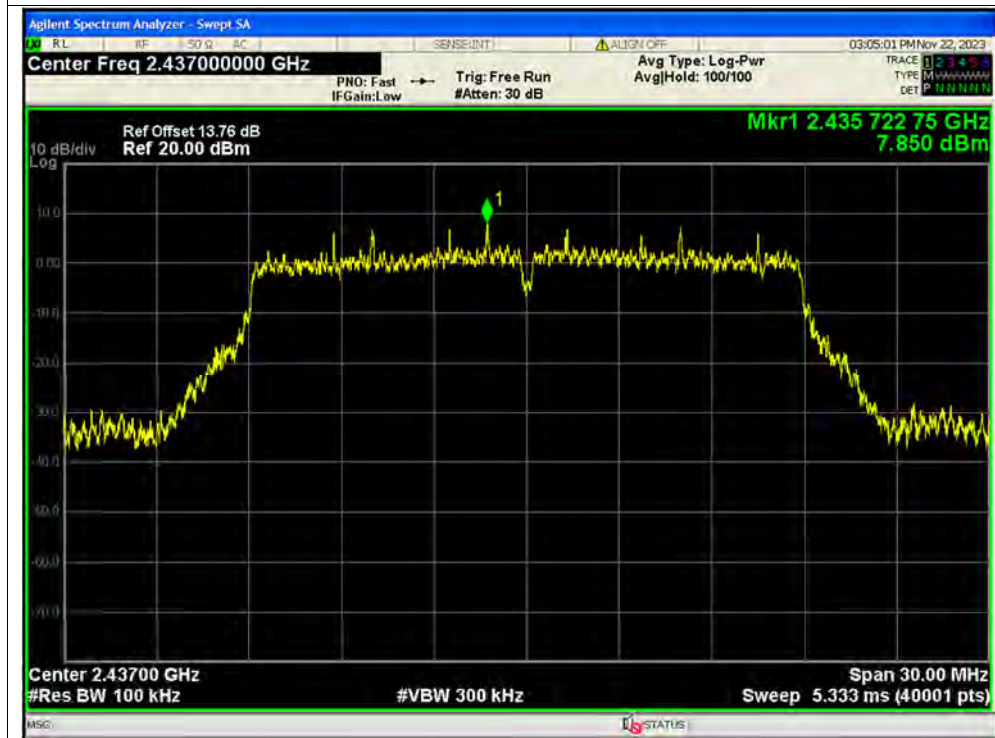
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



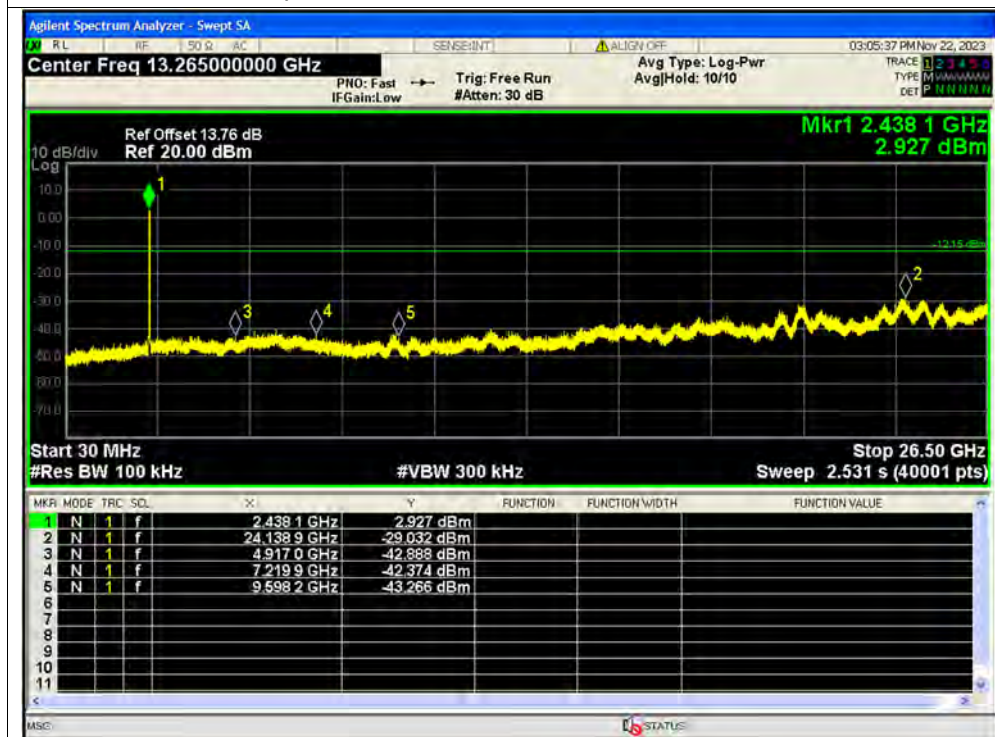
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



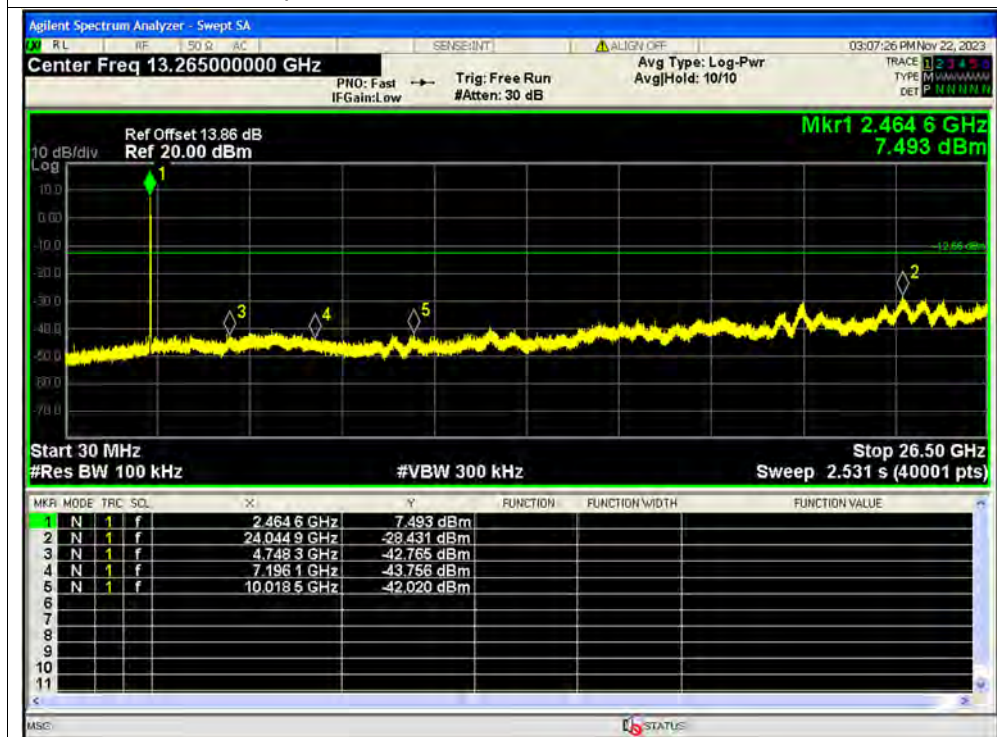
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



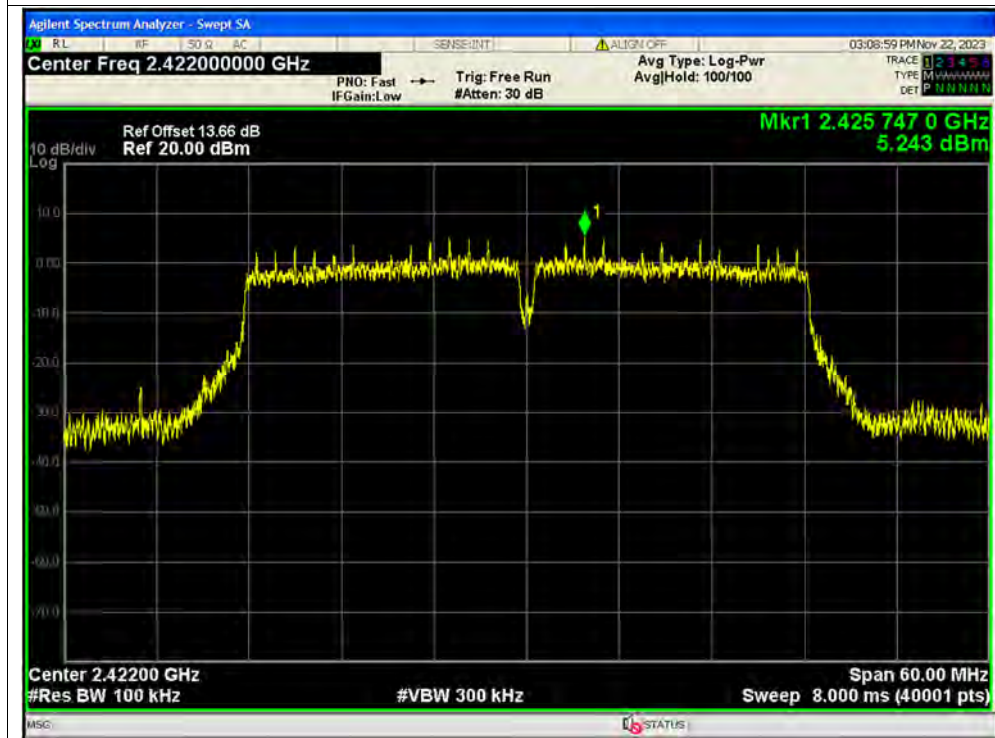
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



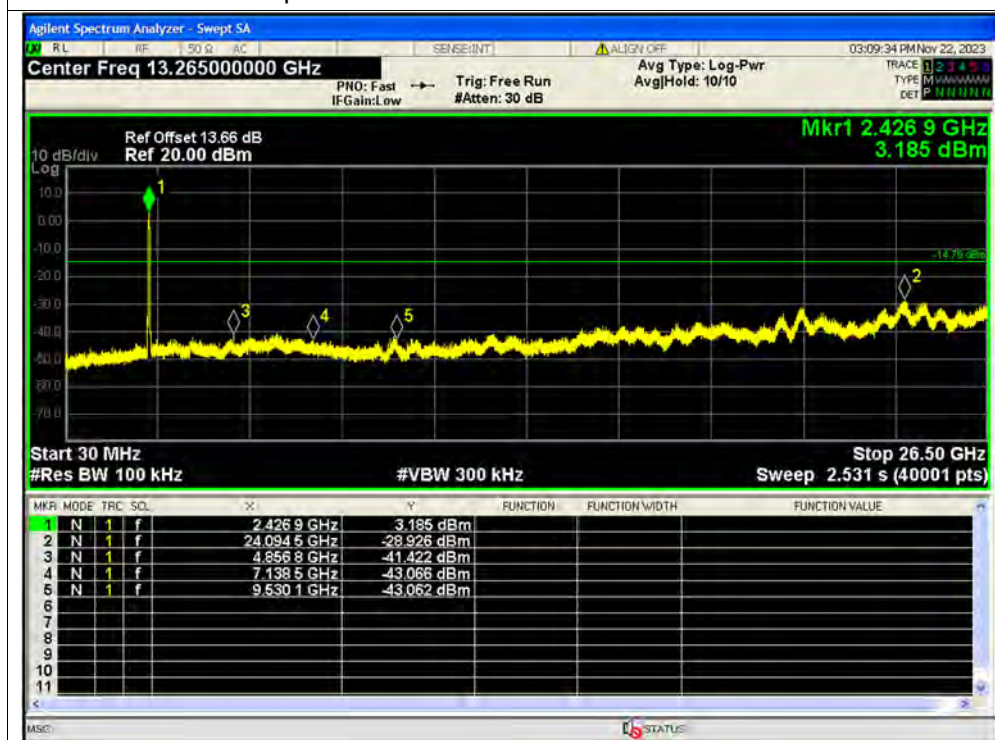
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



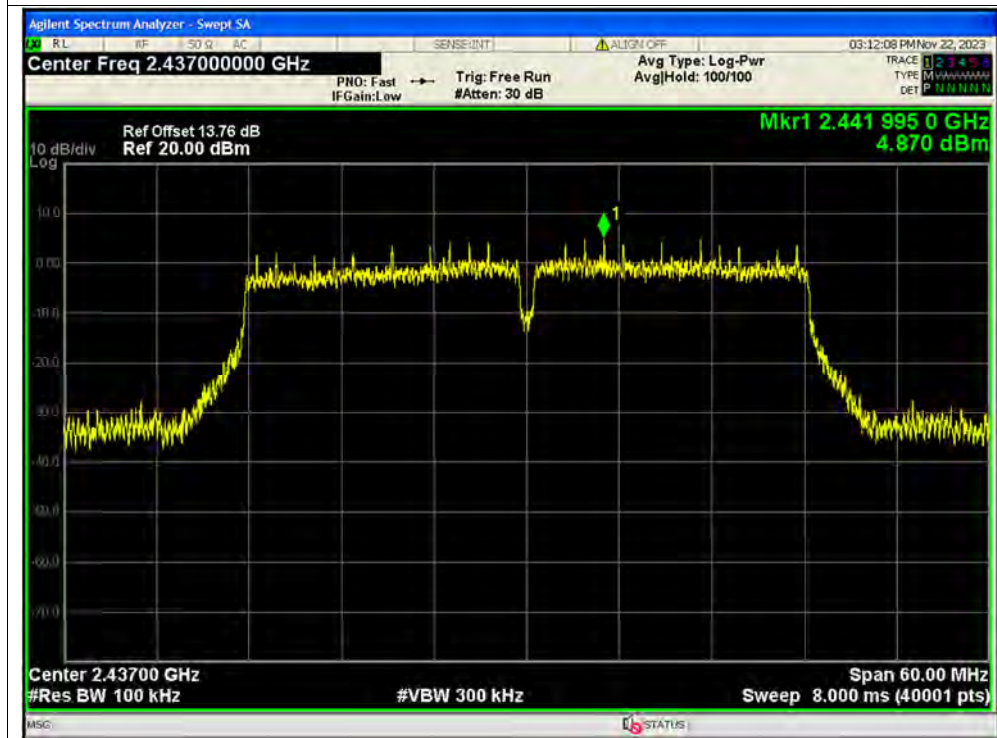
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



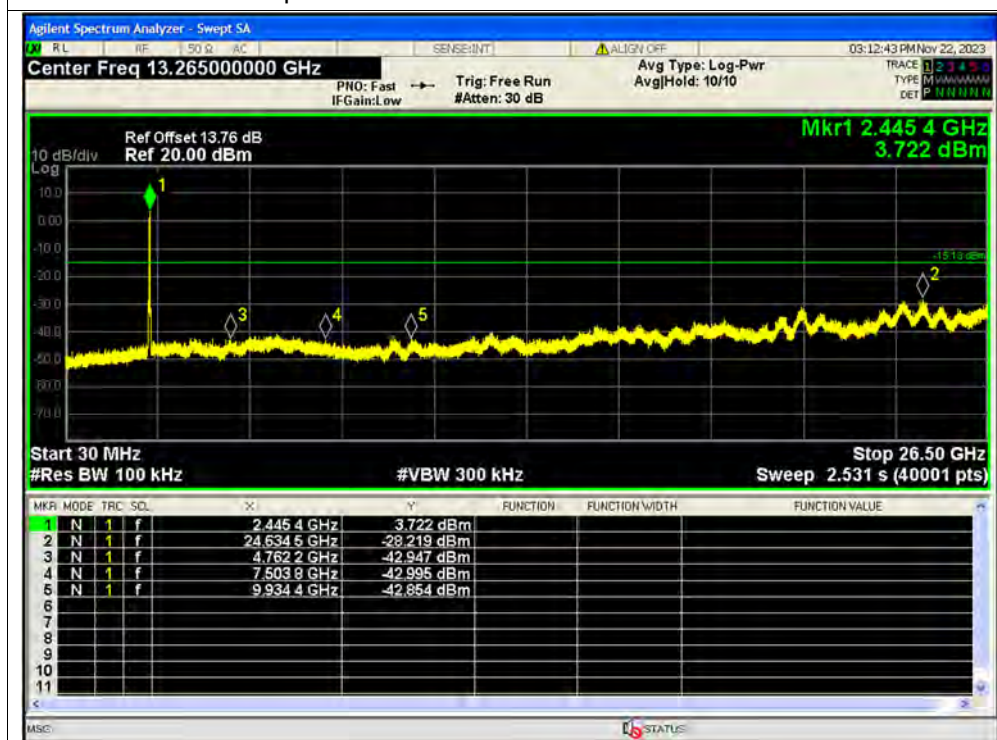
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



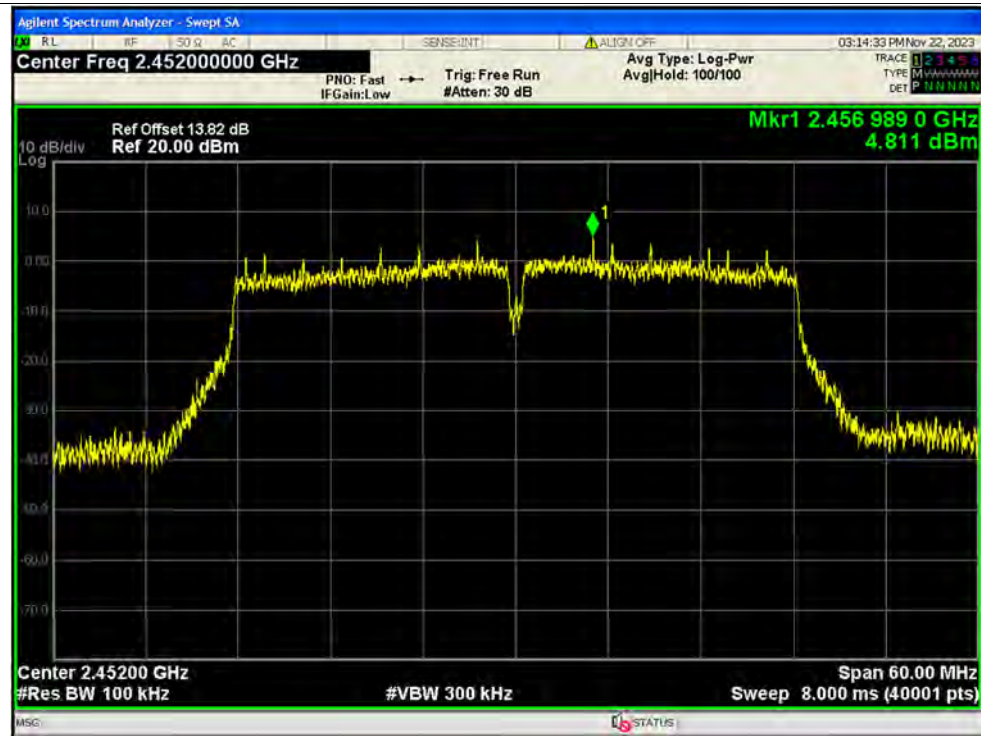
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



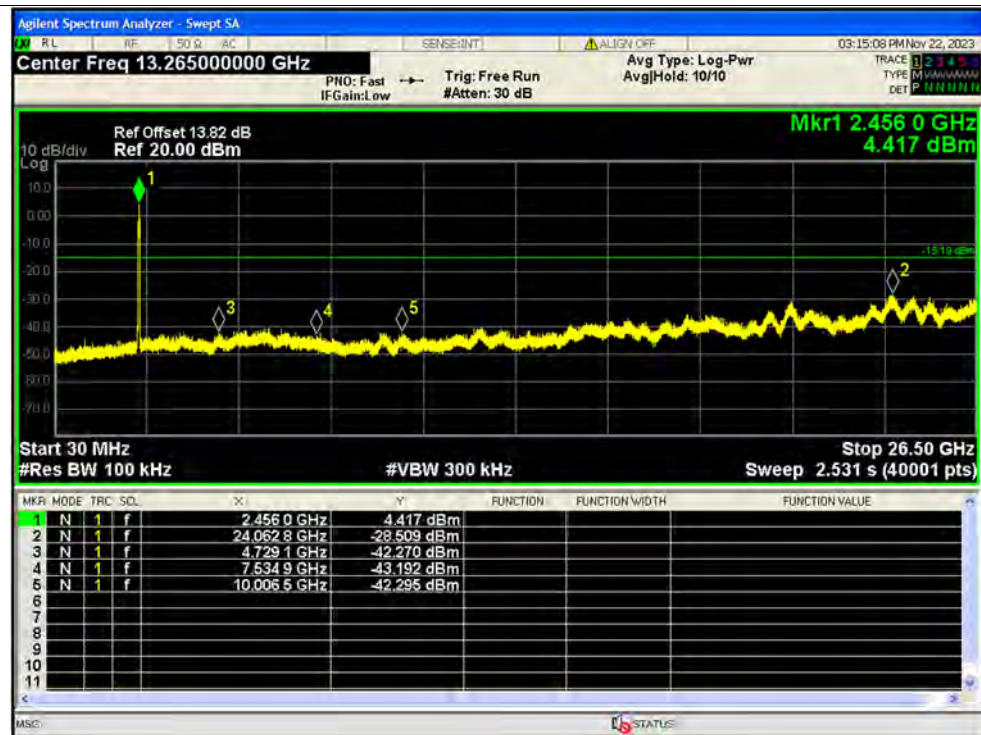
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



**A.6. Band Edge**

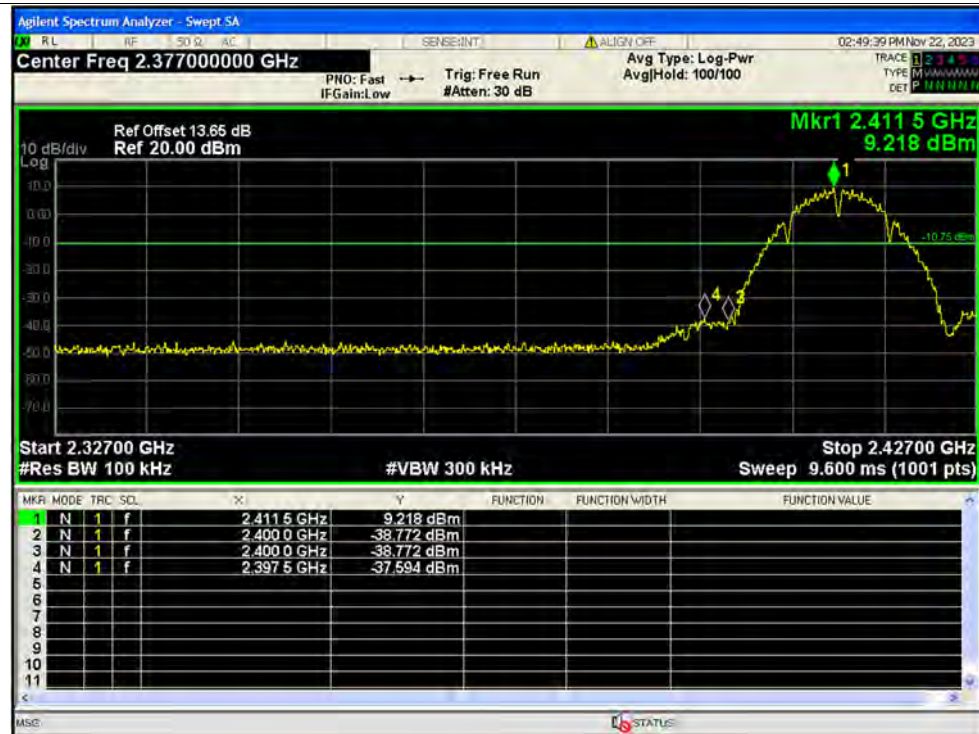
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.84	-20	Pass
NVNT	b	2462	Ant1	-54.06	-20	Pass
NVNT	g	2412	Ant1	-38.67	-20	Pass
NVNT	g	2462	Ant1	-49.25	-20	Pass
NVNT	n20	2412	Ant1	-39.34	-20	Pass
NVNT	n20	2462	Ant1	-47.63	-20	Pass
NVNT	n40	2422	Ant1	-32.96	-20	Pass
NVNT	n40	2452	Ant1	-37.47	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



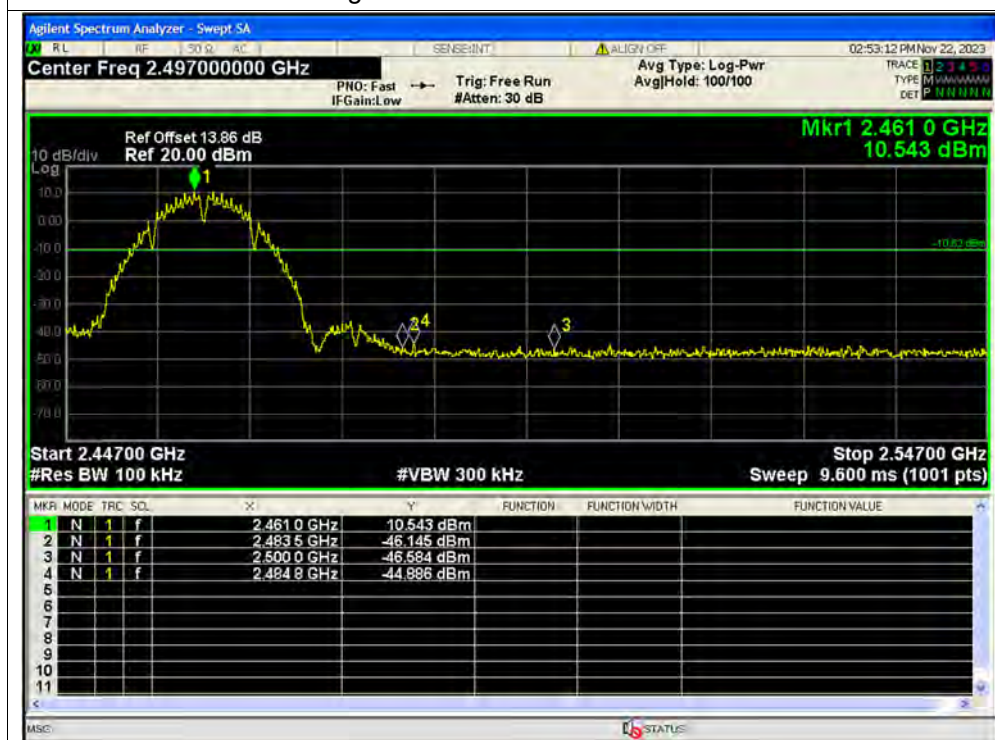
Band Edge NVNT b 2412MHz Ant1 Emission



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



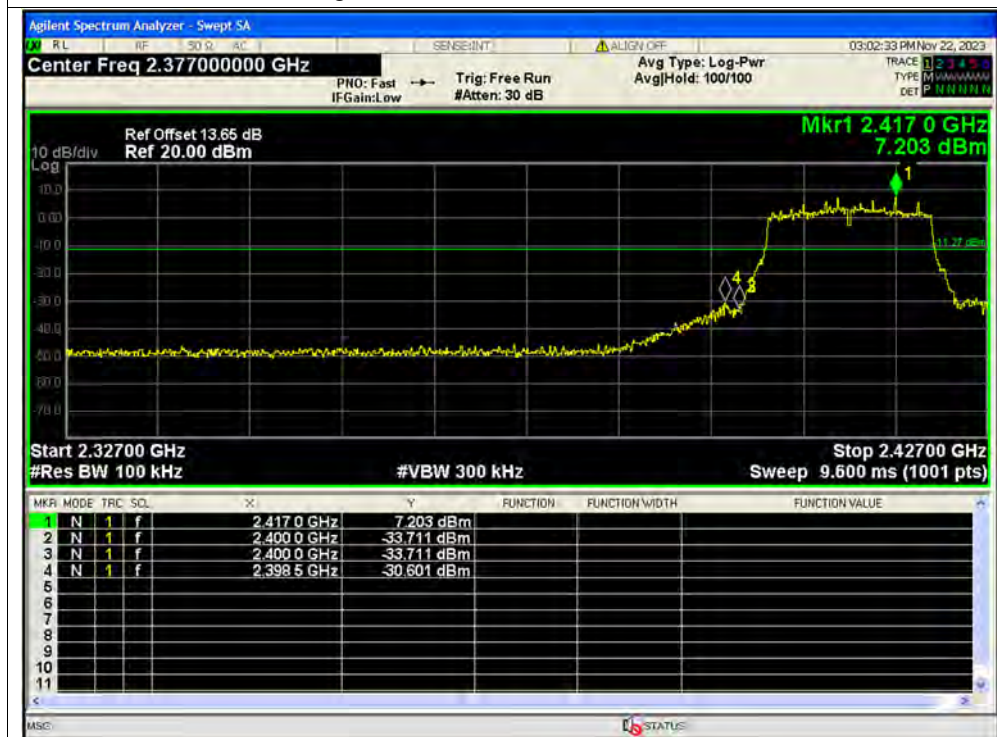
Band Edge NVNT g 2462MHz Ant1 Emission



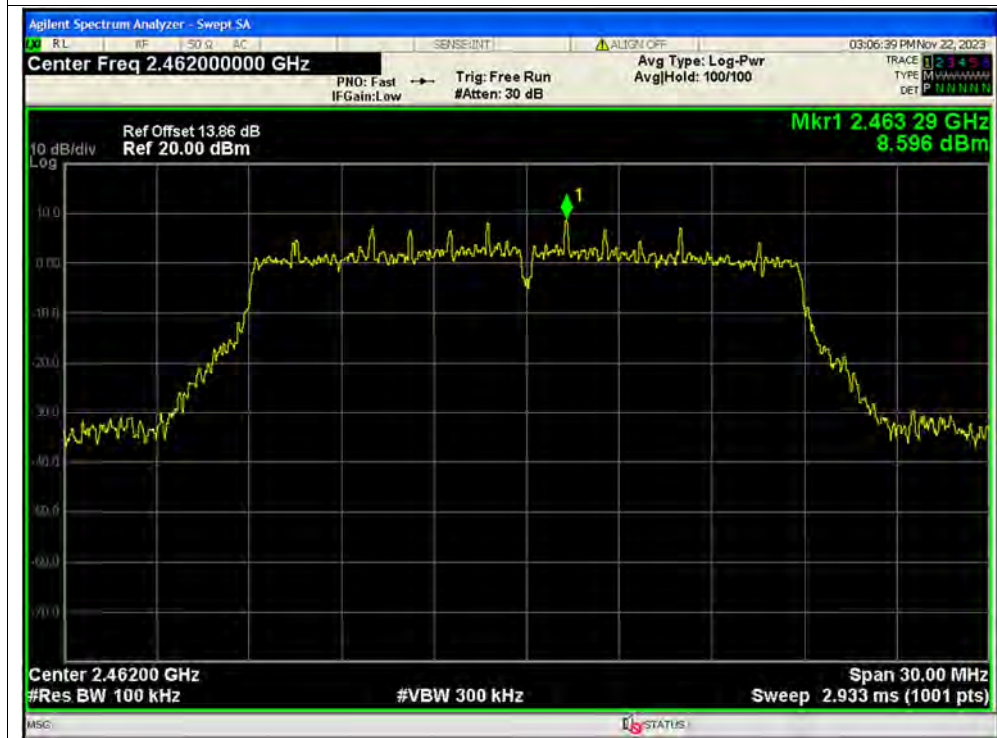
Band Edge NVNT n20 2412MHz Ant1 Ref



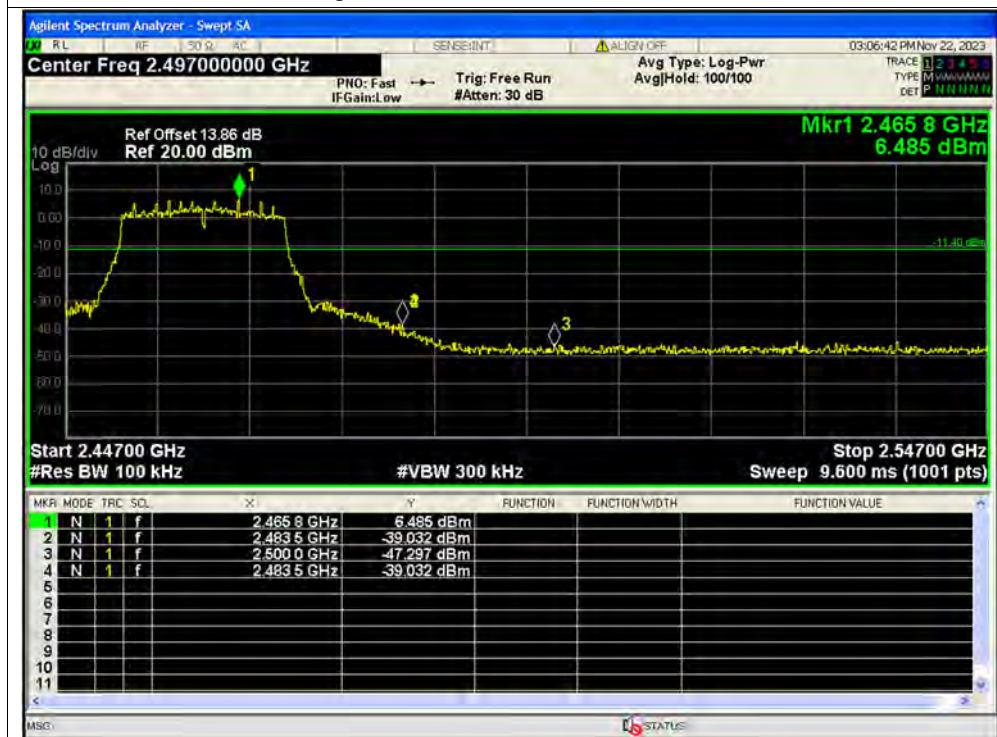
Band Edge NVNT n20 2412MHz Ant1 Emission



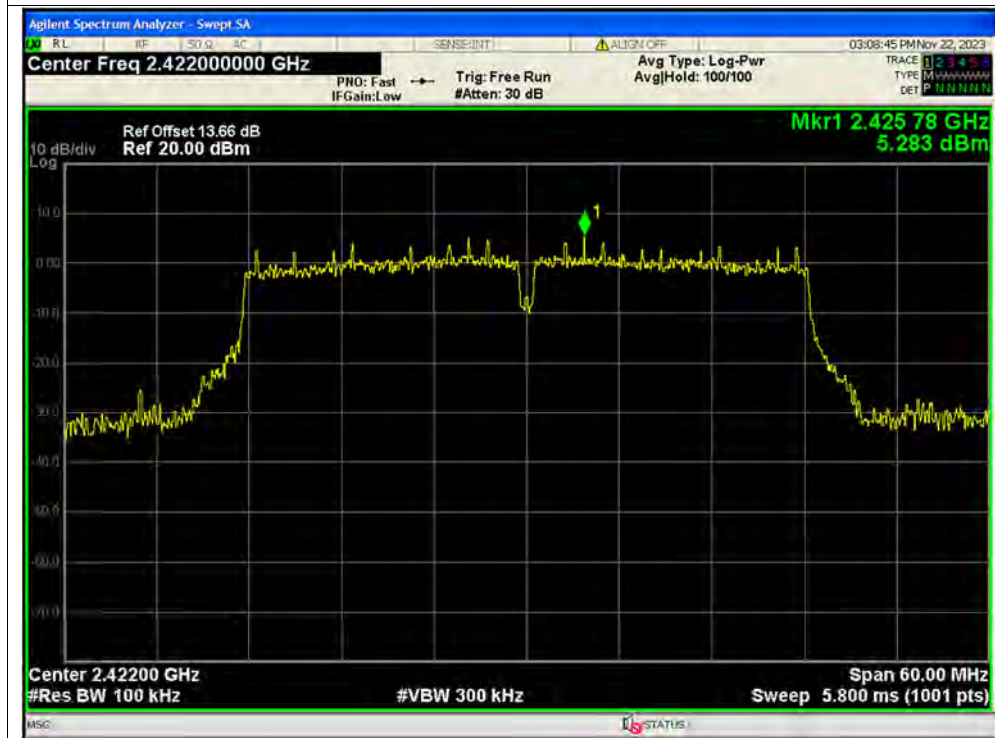
Band Edge NVNT n20 2462MHz Ant1 Ref



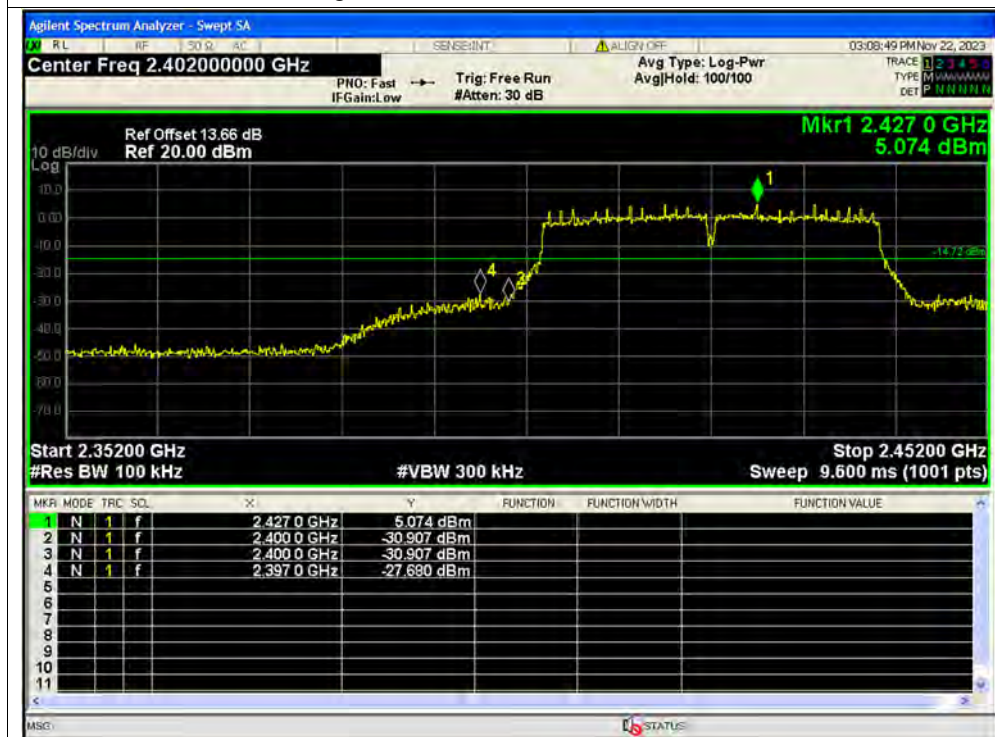
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



**A.7. Power Spectral Density**

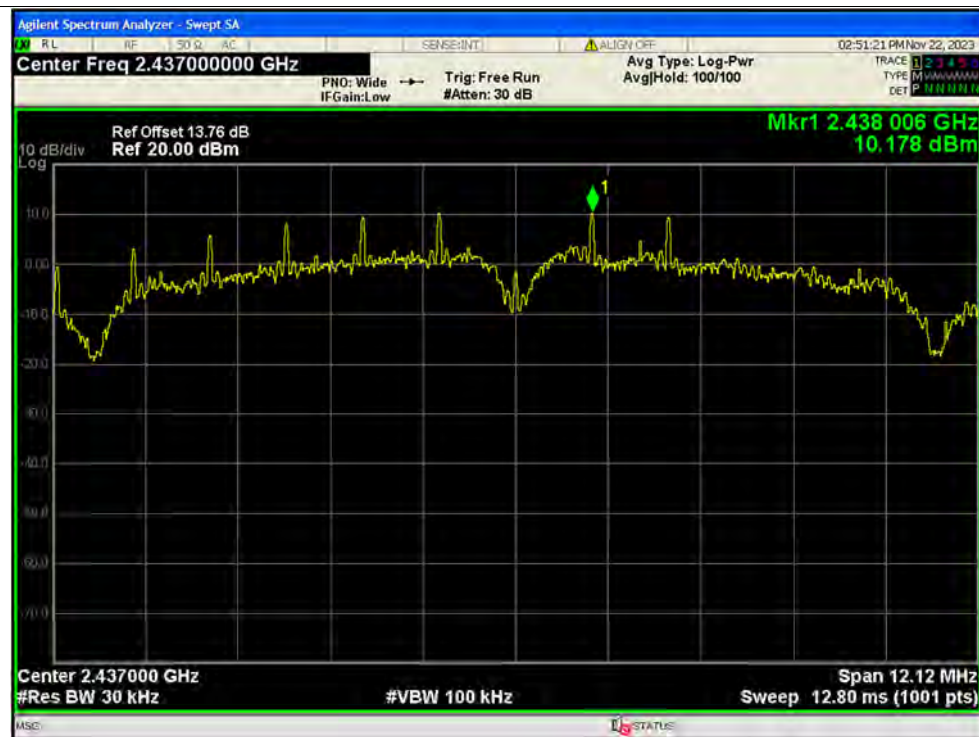
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	0.52	0	0.52	8	Pass
NVNT	b	2437	Ant1	0.18	0	0.18	8	Pass
NVNT	b	2462	Ant1	0.43	0	0.43	8	Pass
NVNT	g	2412	Ant1	-8.31	0	-8.31	8	Pass
NVNT	g	2437	Ant1	-8.22	0	-8.22	8	Pass
NVNT	g	2462	Ant1	-6.95	0	-6.95	8	Pass
NVNT	n20	2412	Ant1	-7.83	0	-7.83	8	Pass
NVNT	n20	2437	Ant1	-6.83	0	-6.83	8	Pass
NVNT	n20	2462	Ant1	-7.54	0	-7.54	8	Pass
NVNT	n40	2422	Ant1	-9.49	0	-9.49	8	Pass
NVNT	n40	2437	Ant1	-9.93	0	-9.93	8	Pass
NVNT	n40	2452	Ant1	-10.07	0	-10.07	8	Pass

Test Graphs

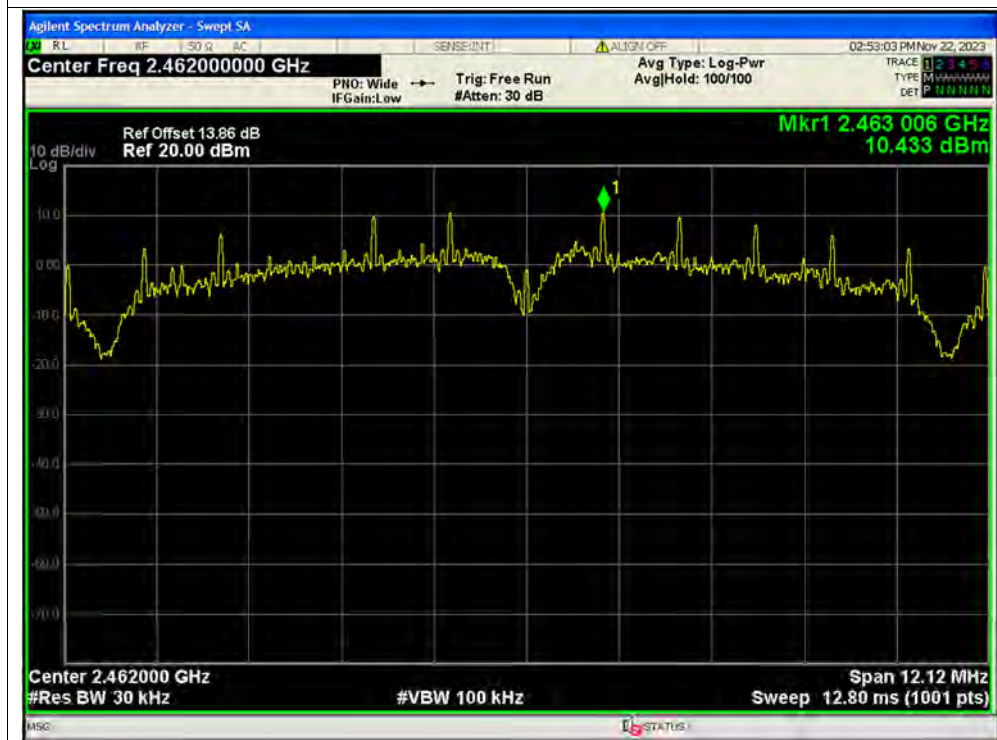
PSD NVNT b 2412MHz Ant1



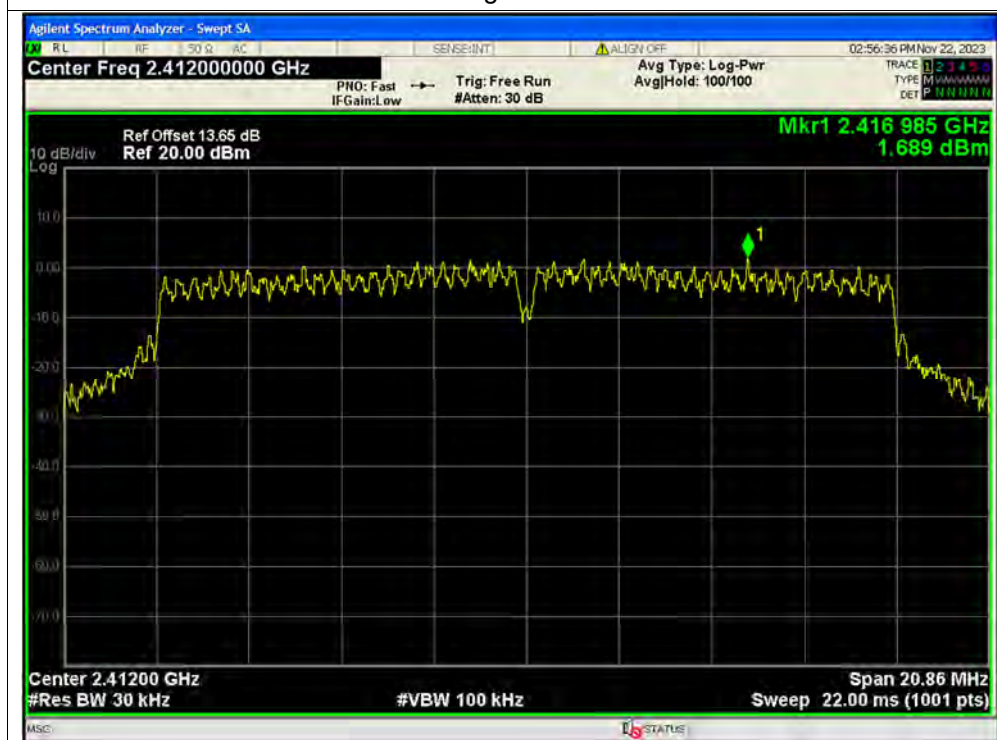
PSD NVNT b 2437MHz Ant1



PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1

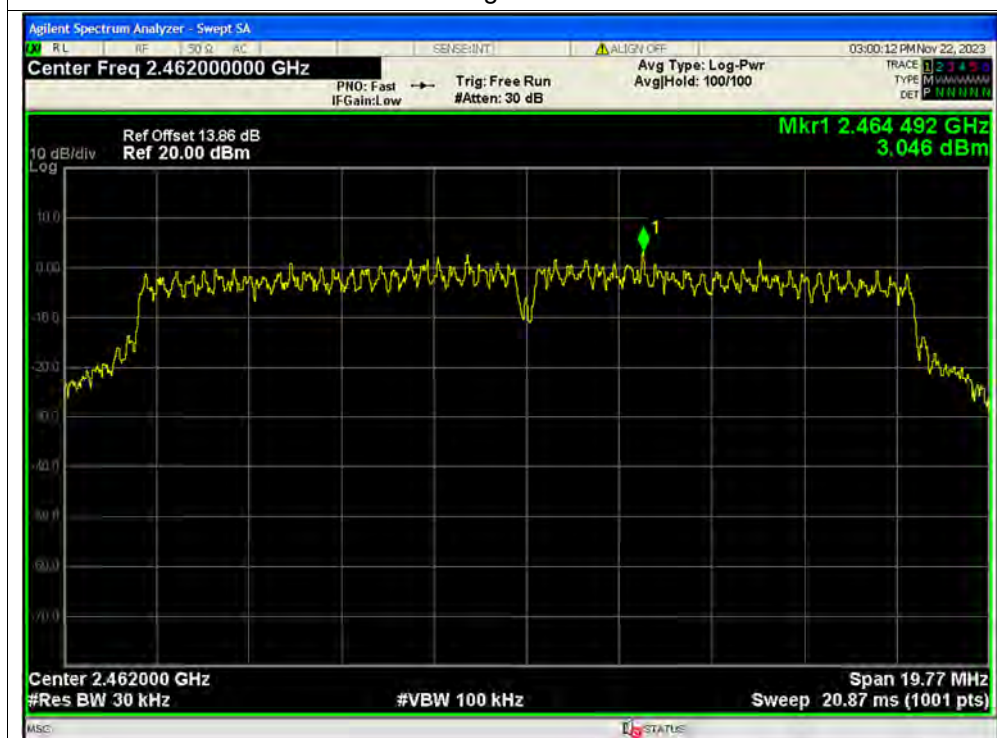




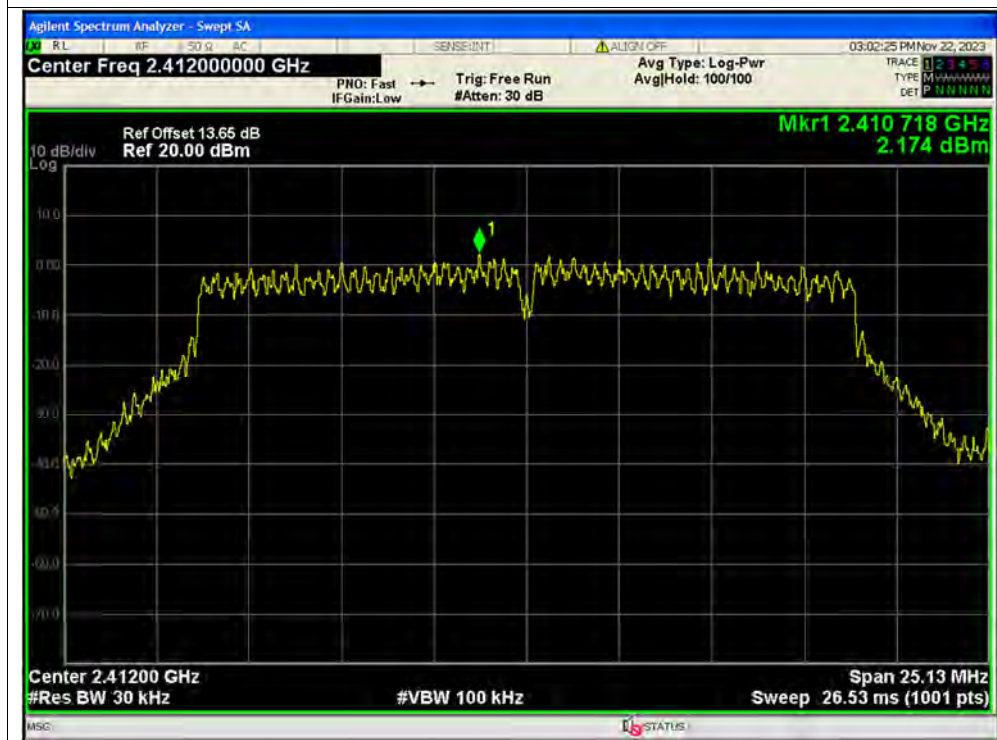
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



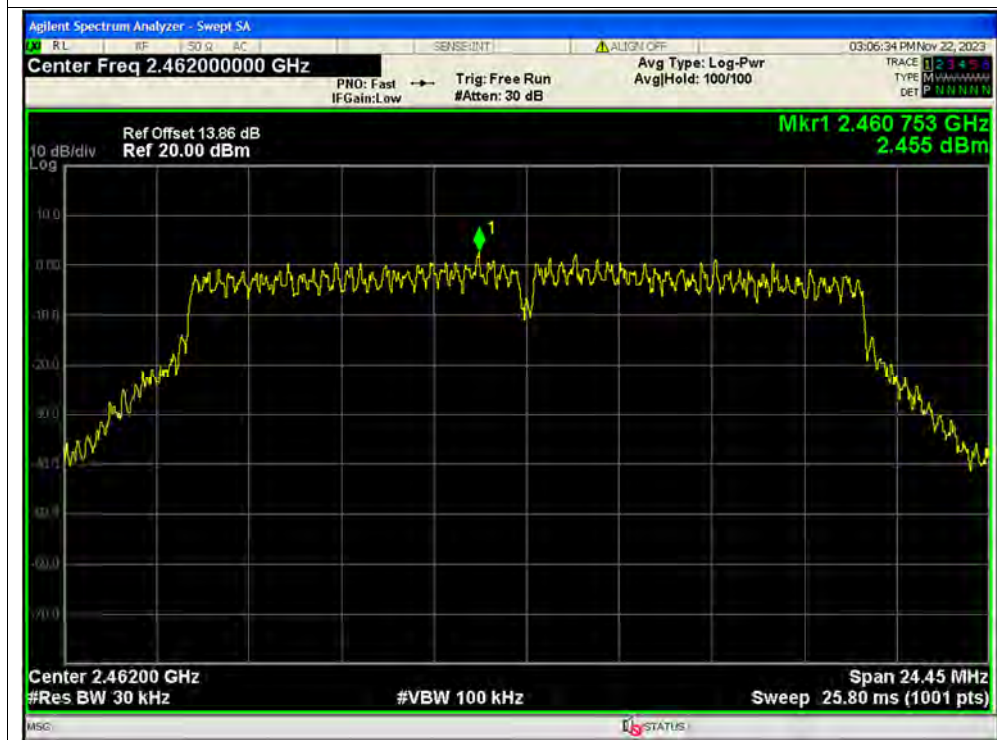
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



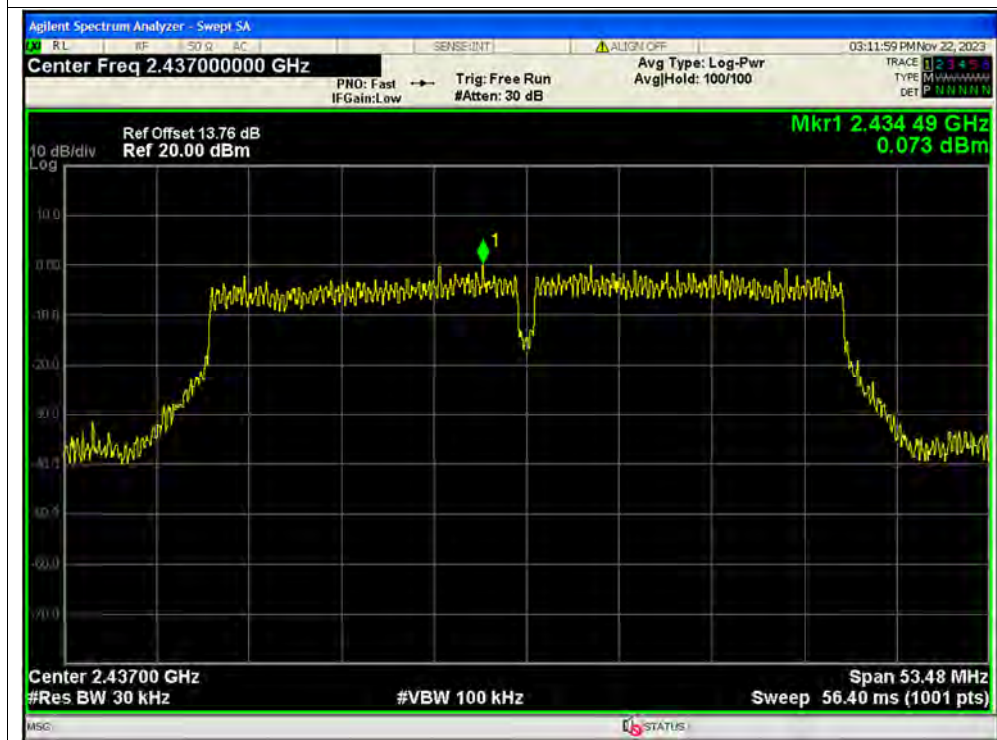
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz 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 + USB Cable + PC +WIFI TX

Test voltage: AC 120V/60Hz

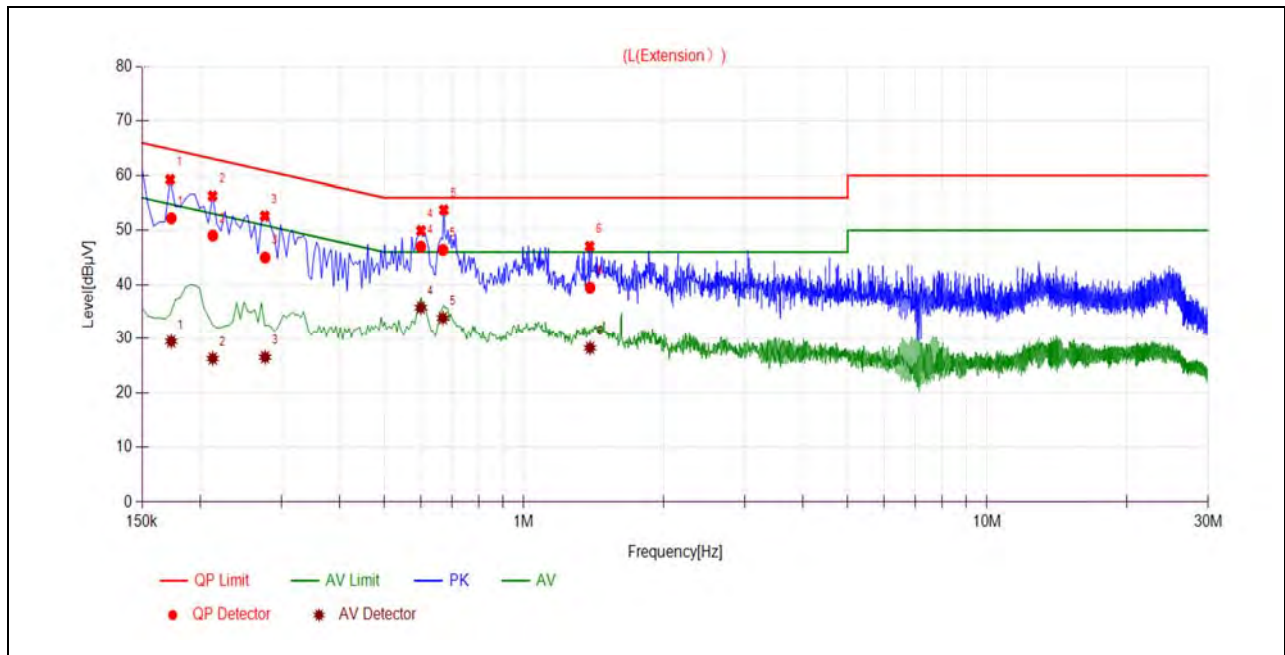
The measurement results are obtained as below:

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

U_R : Receiver Reading

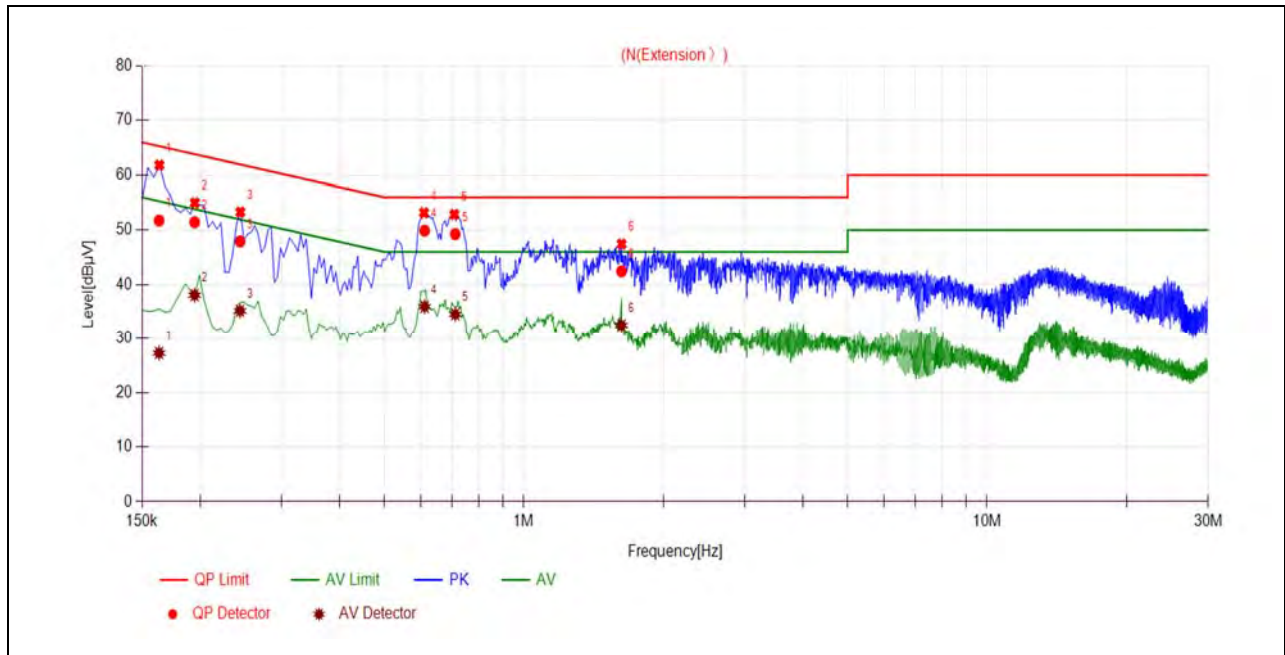
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1734	52.24	29.43	64.80	54.80	Line	PASS
2	0.2131	49.05	26.26	63.09	53.09		PASS
3	0.2765	45.01	26.51	60.92	50.92		PASS
4	0.5994	47.00	35.78	56.00	46.00		PASS
5	0.6690	46.40	33.85	56.00	46.00		PASS
6	1.3901	39.45	28.22	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1632	51.75	27.28	65.30	55.30	Neutral	PASS
2	0.1947	51.44	38.08	63.83	53.83		PASS
3	0.2441	47.94	35.19	61.96	51.96		PASS
4	0.6108	49.91	35.94	56.00	46.00		PASS
5	0.7112	49.27	34.55	56.00	46.00		PASS
6	1.6252	42.45	32.51	56.00	46.00		PASS



A.9. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

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

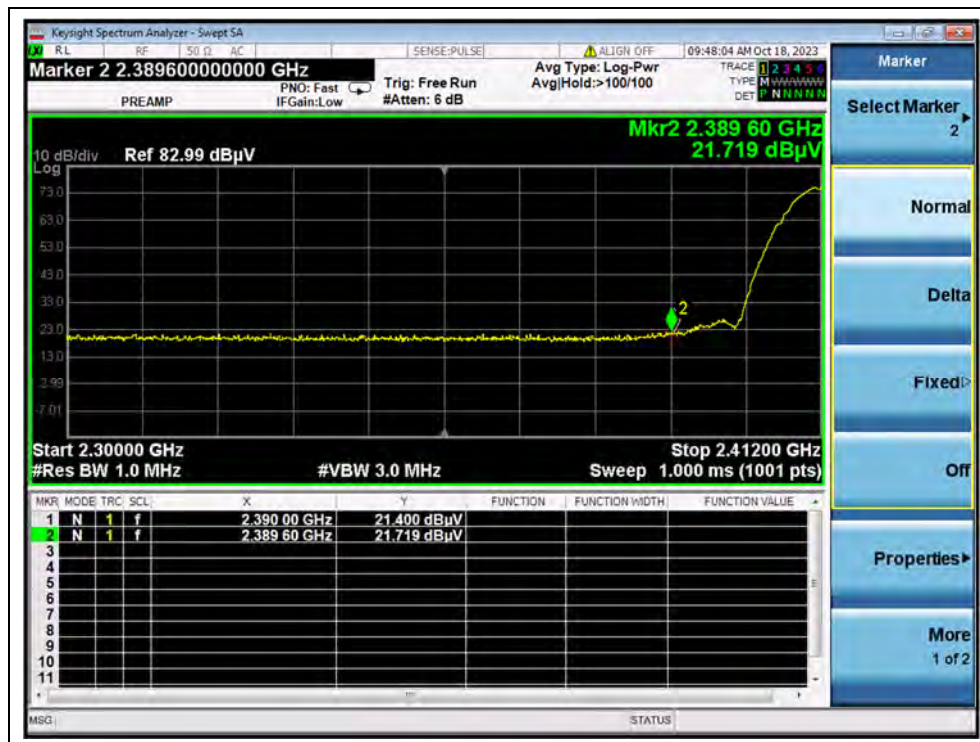
G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

Note: 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.

802.11b Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2389.60	PK	21.72	6.74	27.20	55.66	74	PASS
1	2389.60	AV	9.50	6.74	27.20	43.44	54	PASS
11	2486.89	PK	26.20	6.74	27.20	60.14	74	PASS
11	2487.57	AV	17.18	6.74	27.20	51.12	54	PASS



(PEAK, Channel 1, 802.11b)



(AVERAGE, Channel 1, 802.11b)



(PEAK, Channel 11, 802.11b)

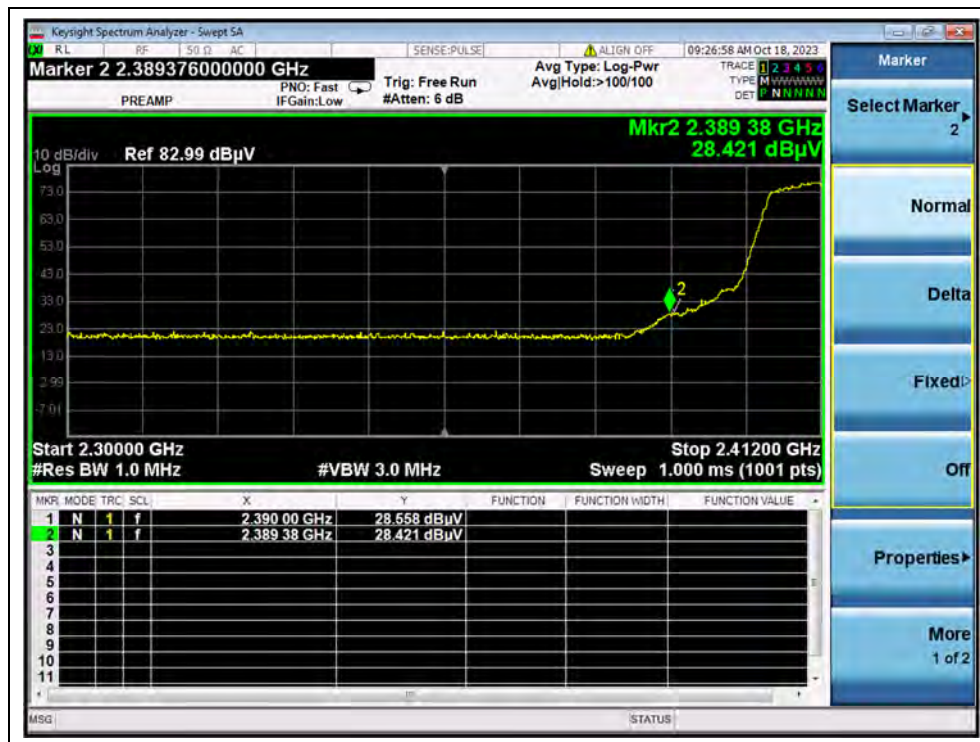


(AVERAGE, Channel 11, 802.11b)

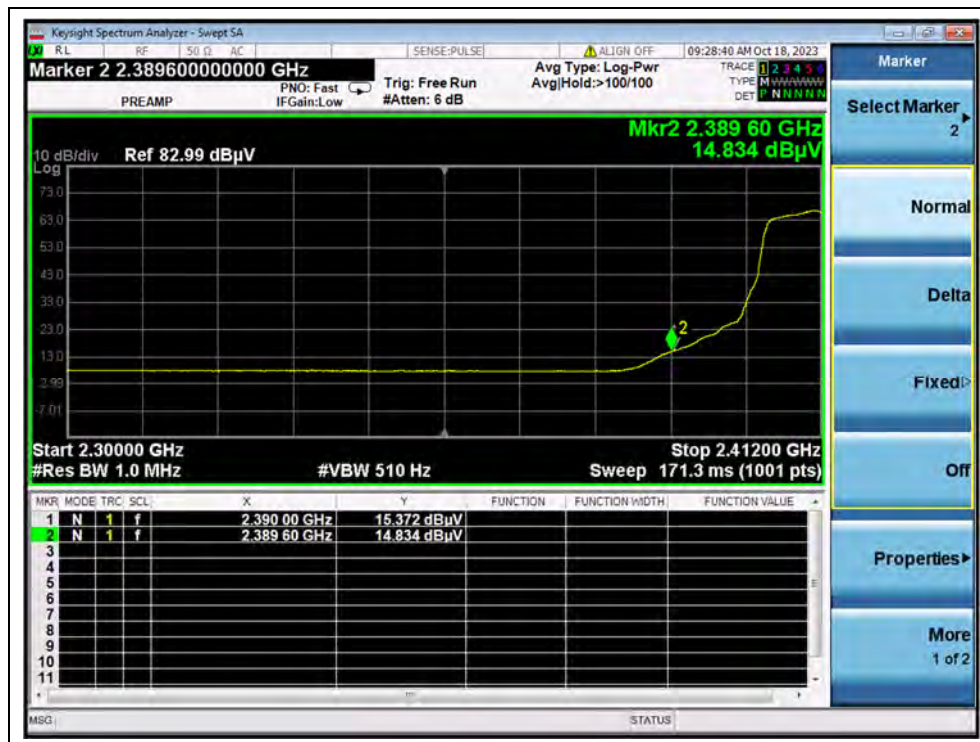


802.11g Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2390.00	PK	28.56	6.74	27.20	62.50	74	PASS
1	2390.00	AV	15.37	6.74	27.20	49.31	54	PASS
11	2484.88	PK	27.20	6.74	27.20	61.14	74	PASS
11	2483.50	AV	13.32	6.74	27.20	47.26	54	PASS



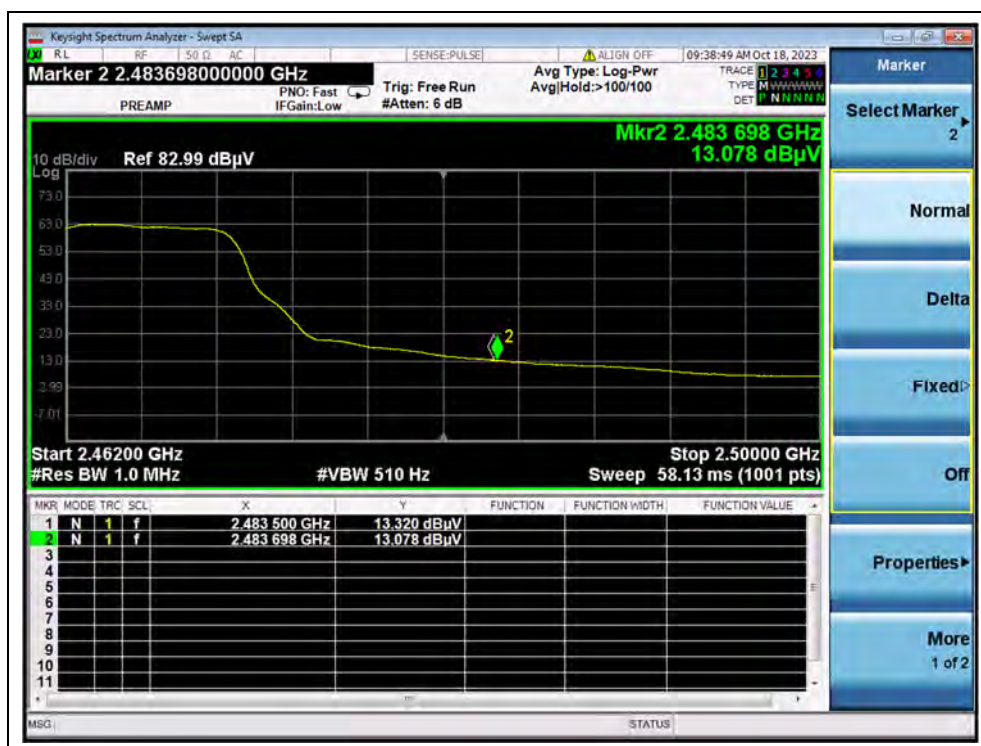
(PEAK, Channel 1, 802.11g)



(AVERAGE, Channel 1, 802.11g)



(PEAK, Channel 11, 802.11g)

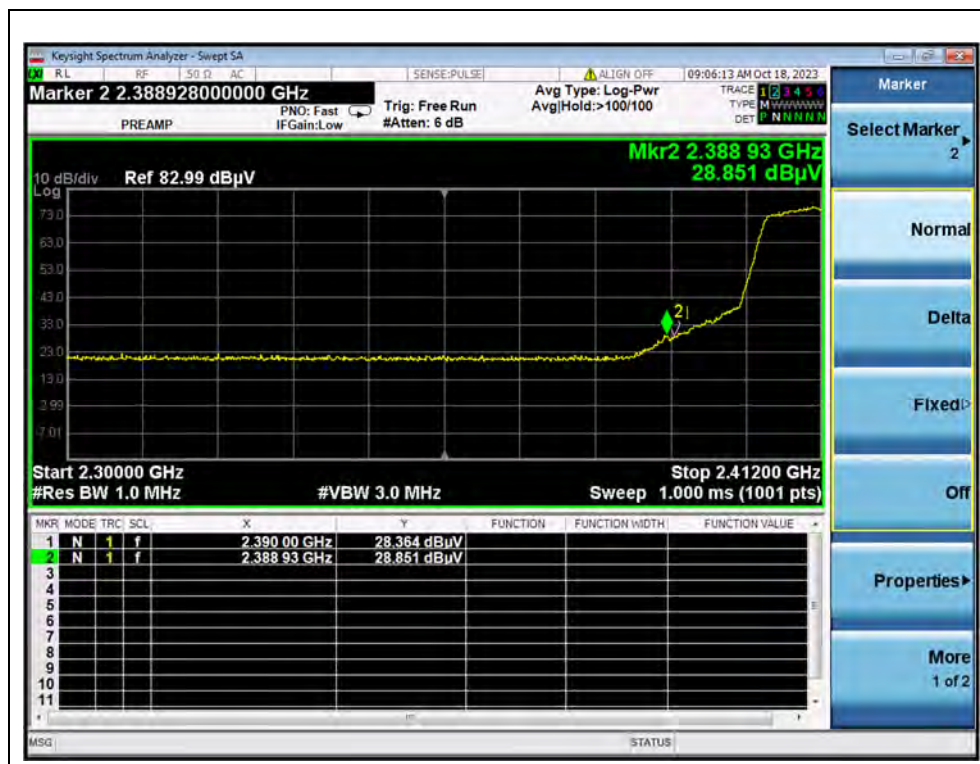


(AVERAGE, Channel 11, 802.11g)

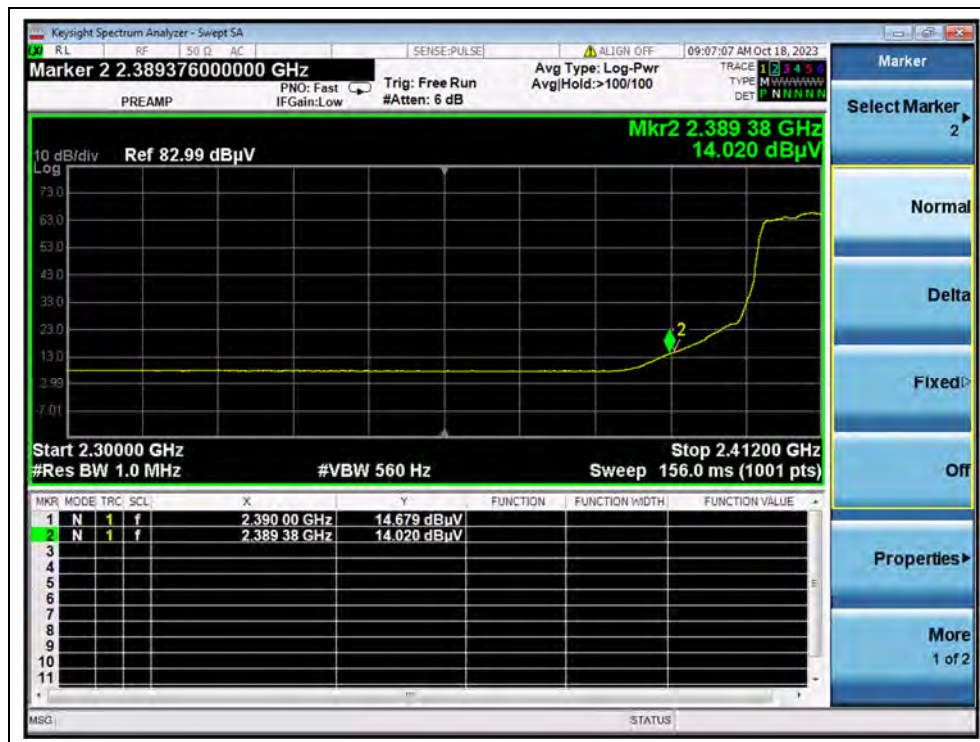


802.11n (HT20) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2388.93	PK	28.85	6.74	27.20	62.79	74	PASS
1	2390.00	AV	14.68	6.74	27.20	48.62	54	PASS
11	2483.66	PK	26.37	6.74	27.20	60.31	74	PASS
11	2483.50	AV	13.04	6.74	27.20	46.98	54	PASS



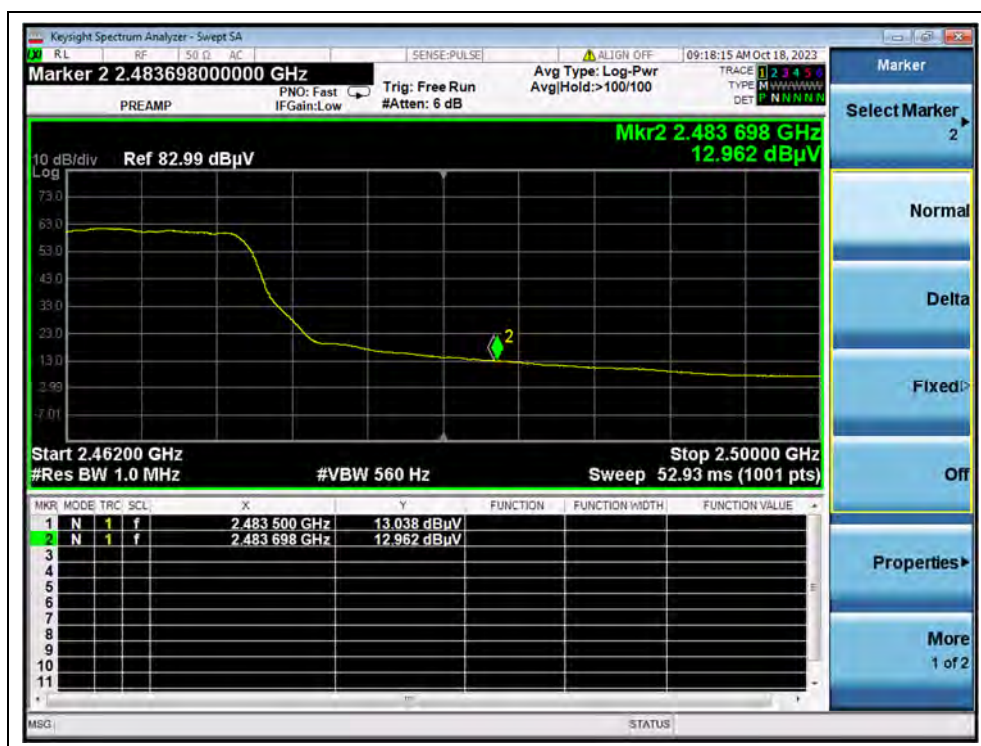
(PEAK, Channel 1, 802.11n (HT20))



(AVERAGE, Channel 1, 802.11n (HT20))



(PEAK, Channel 11, 802.11n (HT20))



(AVERAGE, Channel 11, 802.11n (HT20))

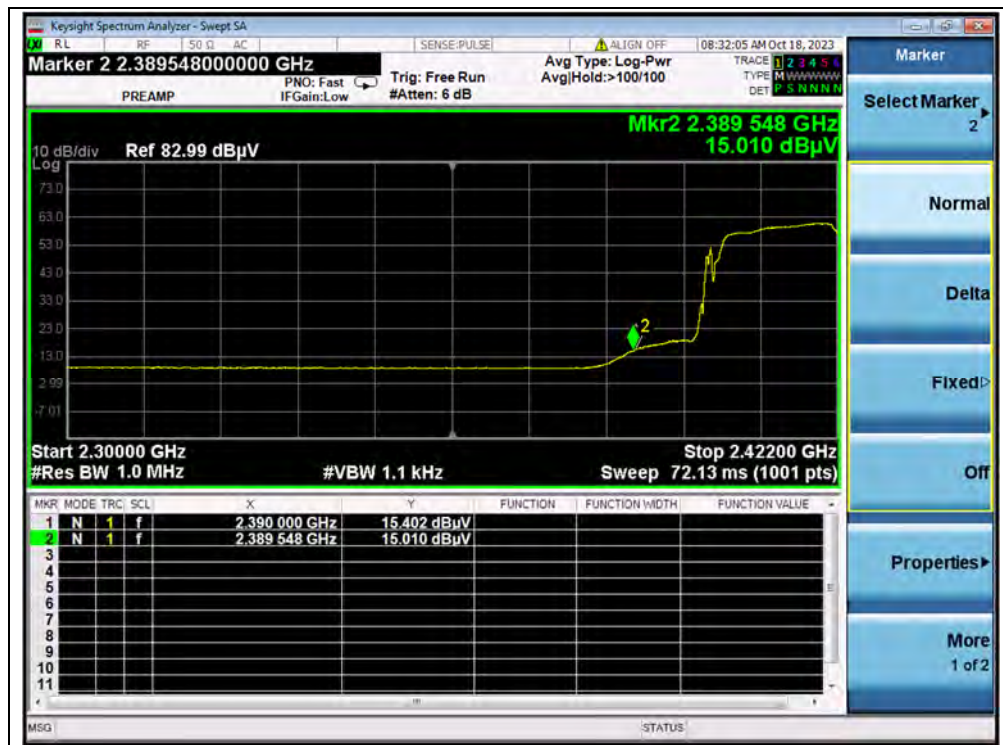


802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
3	2389.55	PK	25.86	6.74	27.20	59.80	74	PASS
3	2390.00	AV	15.40	6.74	27.20	49.34	54	PASS
9	2483.87	PK	26.44	6.74	27.20	60.38	74	PASS
9	2483.50	AV	14.64	6.74	27.20	48.58	54	PASS



(PEAK, Channel 3, 802.11n (HT40))



(AVERAGE, Channel 3, 802.11n (HT40))



(PEAK, Channel 9, 802.11n (HT40))



(AVERAGE, Channel 9, 802.11n (HT40))



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.

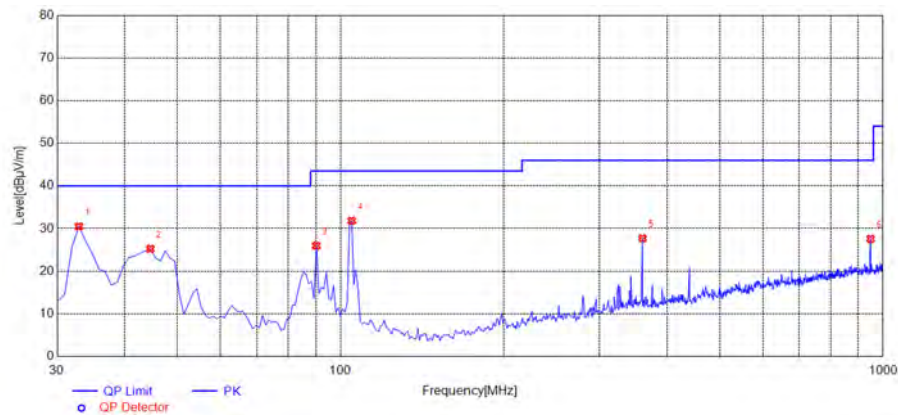
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: 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.

Note3: 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.

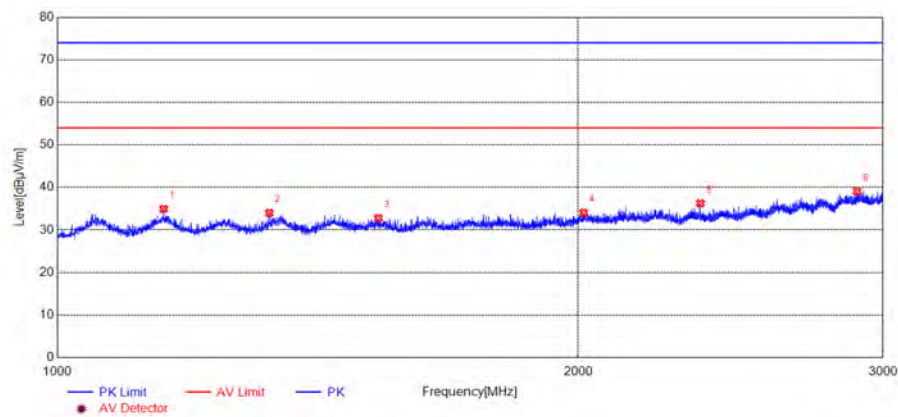
**802.11b Mode**

Plot for Channel 1



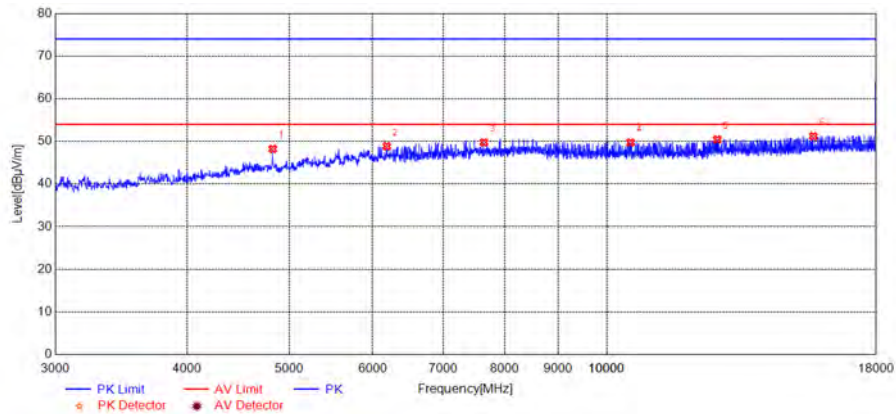
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	30.52	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
44.5646	25.24	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.2002	25.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
104.7648	31.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
360.1301	27.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
948.5385	27.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



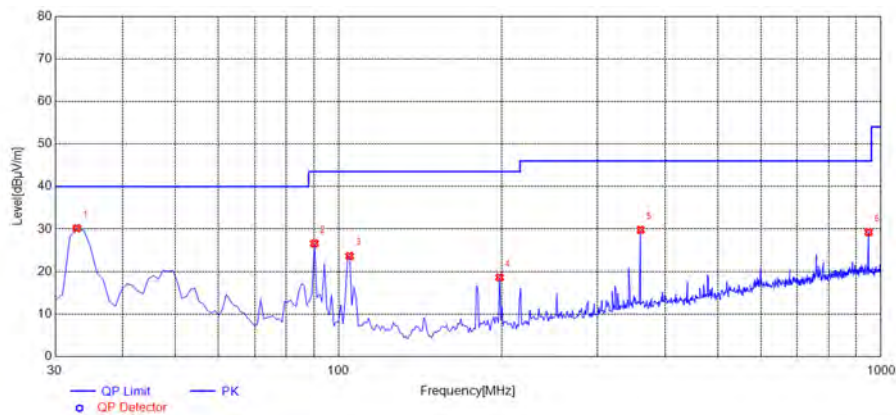
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1152.3587	34.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1326.0543	33.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1533.0888	32.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2014.5024	34.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2352.8921	36.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2898.6498	39.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



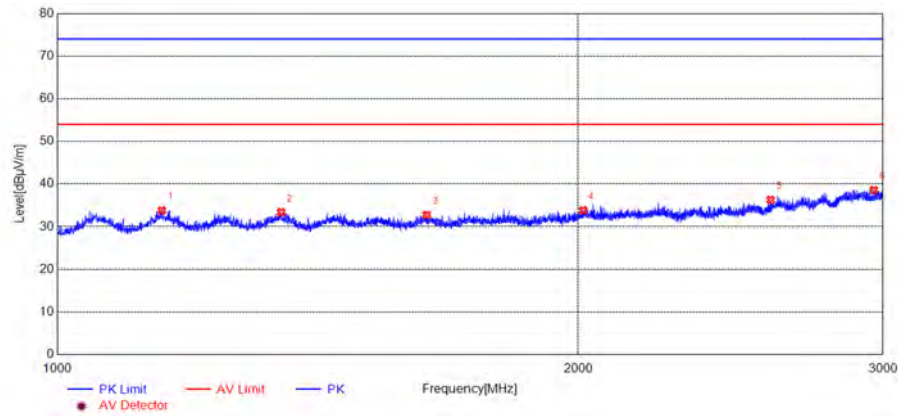
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4824.3649	48.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6186.6373	48.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7647.9296	49.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10534.5069	49.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12727.9456	50.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15698.5397	51.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



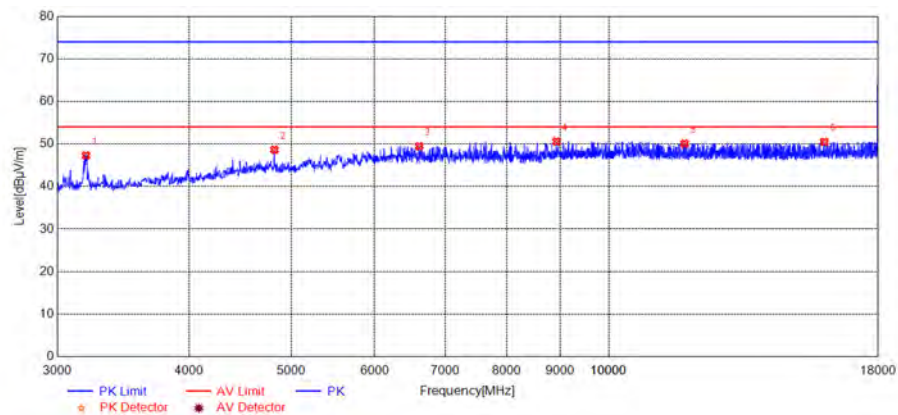
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	30.19	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	23.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	29.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
948.5385	29.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1149.3582	33.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1347.3912	33.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1634.7725	32.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2012.8355	33.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2583.2639	36.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2963.3272	38.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

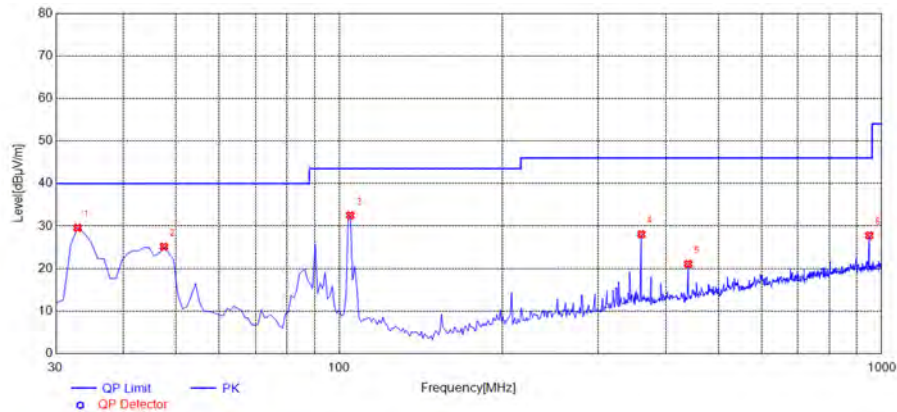


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3195.0390	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4821.3643	48.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6612.7225	49.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8923.1846	50.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11800.7602	50.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16007.6015	50.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

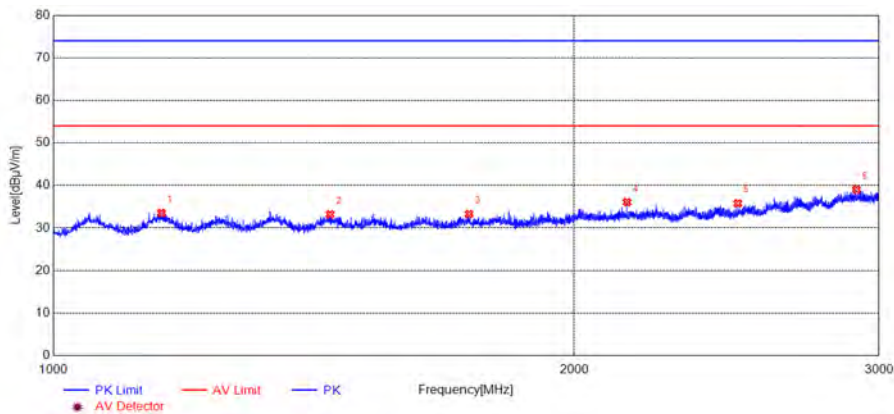


Plot for Channel 6



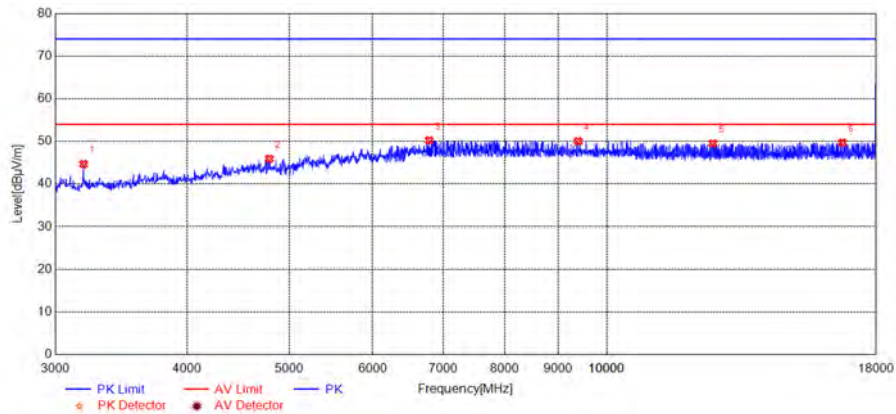
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	29.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	25.16	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	32.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	21.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
948.5385	27.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



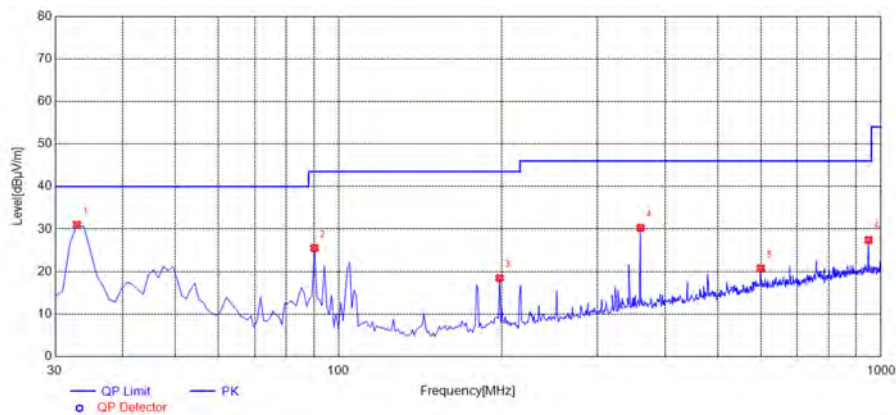
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1155.0258	33.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1445.4076	33.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1738.7898	33.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2145.5243	36.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2485.9143	35.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2910.9852	39.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3192.0384	44.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4788.3577	45.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6786.7574	50.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9397.2795	50.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12607.9216	49.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16730.7461	49.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



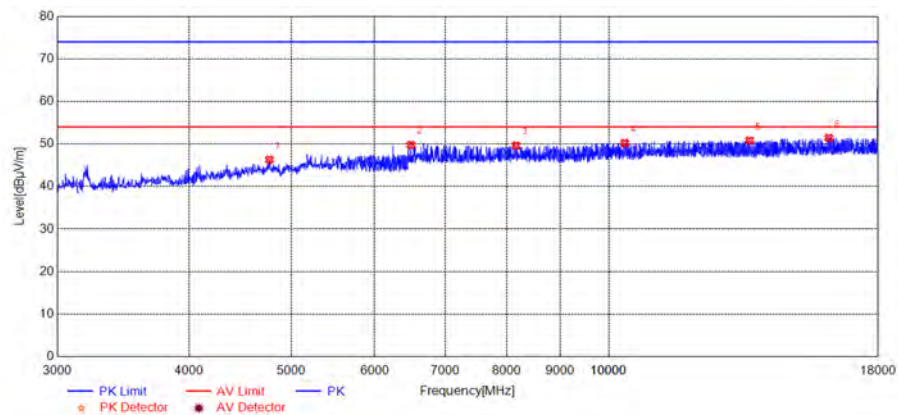
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.00	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	25.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
599.9600	20.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
948.5385	27.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1160.6934	33.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1432.0720	33.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1831.1385	33.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2221.5369	35.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2598.9332	37.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2849.6416	38.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

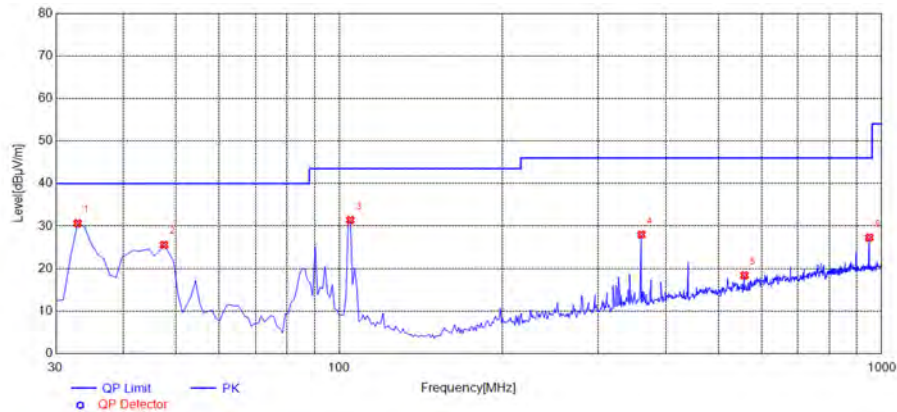


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4767.3535	46.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6495.6991	49.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8170.0340	49.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10354.4709	50.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13601.1202	50.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16166.6333	51.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

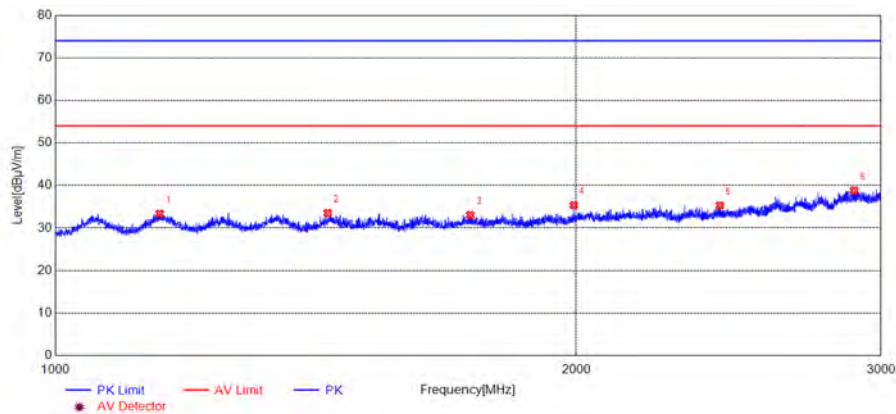


Plot for Channel 11



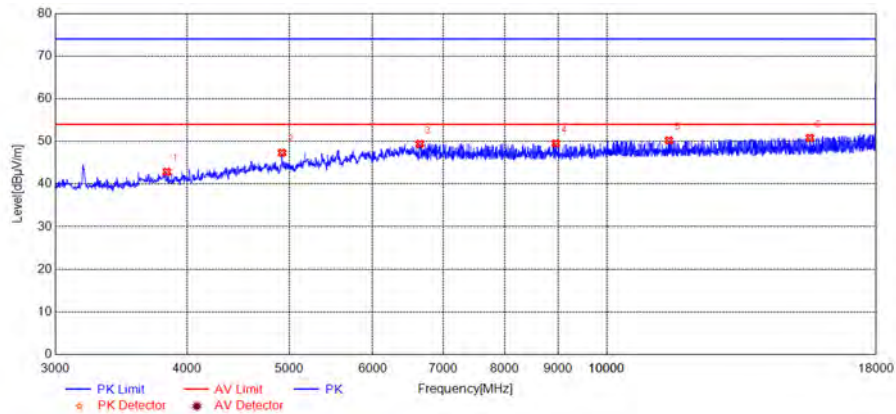
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	30.64	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	25.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	31.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
558.2082	18.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
948.5385	27.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



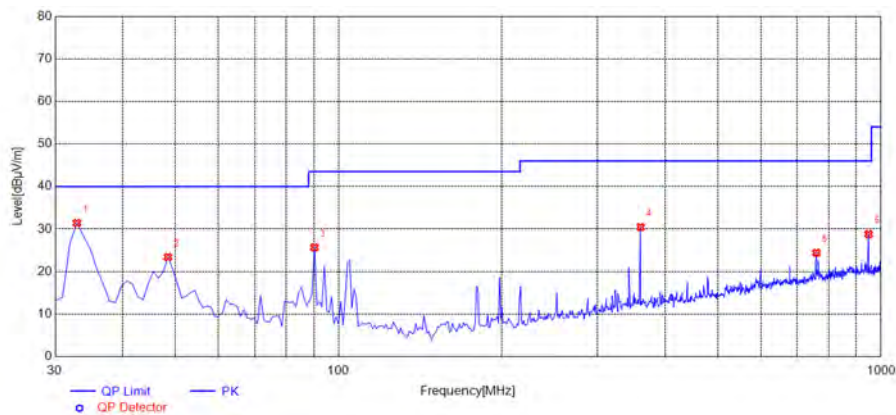
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1149.3582	33.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1437.0728	33.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1737.1229	33.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1993.4989	35.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2420.9035	35.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2895.3159	38.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



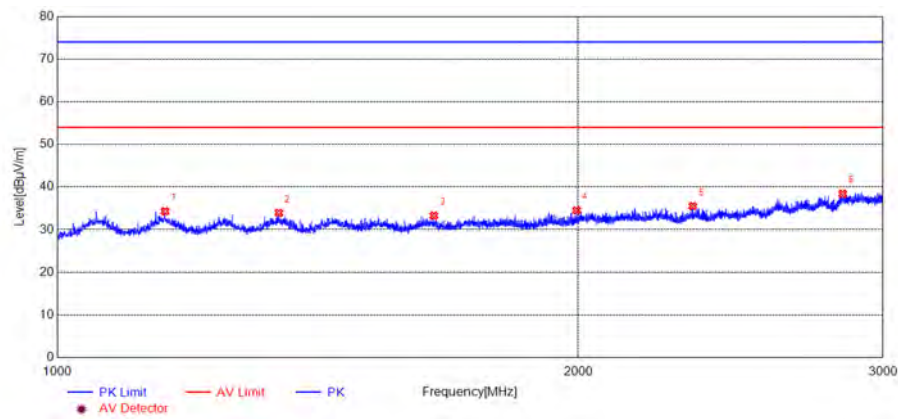
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3828.1656	42.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4923.3847	47.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6648.7297	49.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8947.1894	49.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11455.6911	50.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15578.5157	50.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



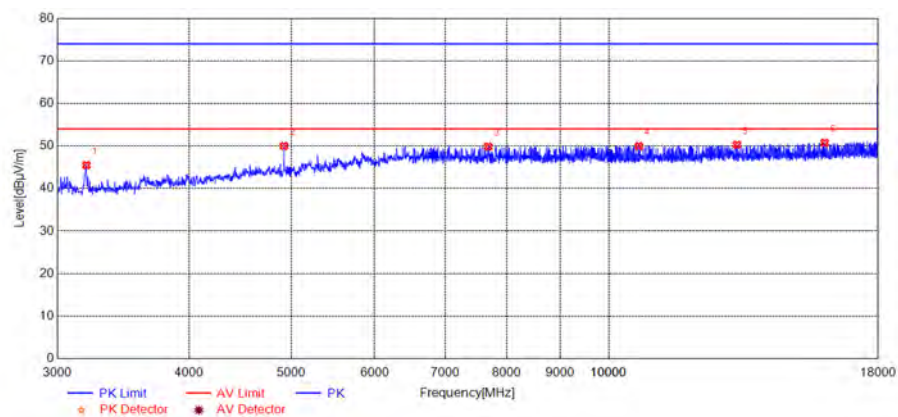
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.43	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
48.4484	23.43	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	25.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
760.1702	24.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
948.5385	28.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1154.3591	34.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1343.0572	33.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1650.4417	33.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1995.8326	34.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2329.2215	35.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2842.9738	38.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

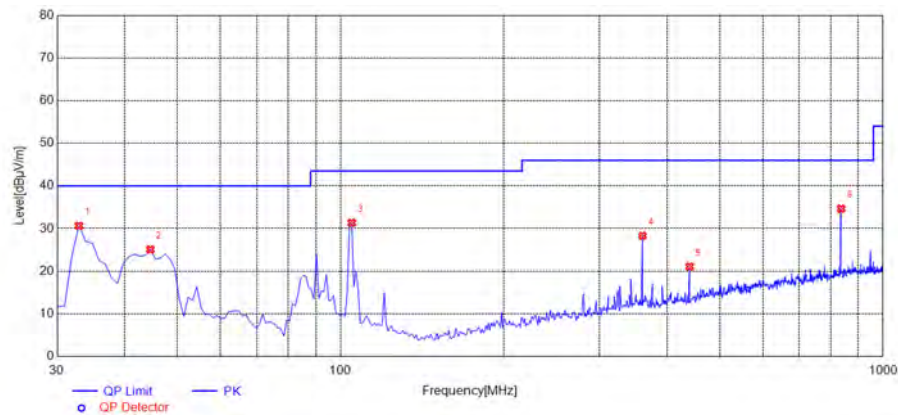


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3198.0396	45.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4923.3847	49.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7686.9374	49.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10678.5357	49.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13226.0452	50.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16022.6045	50.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

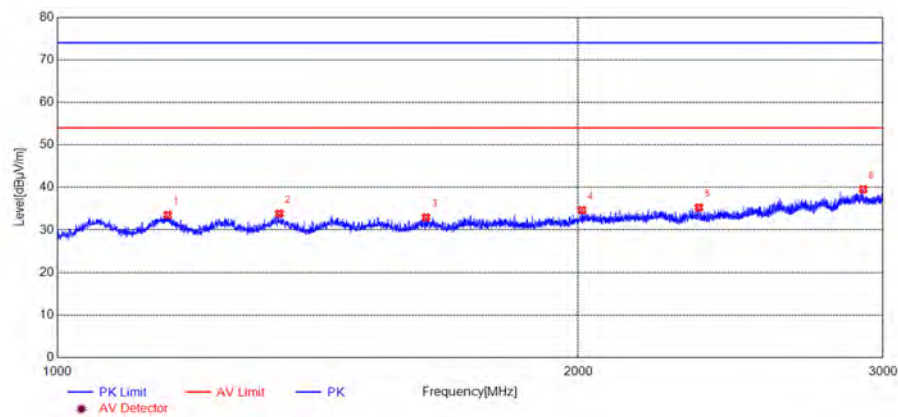
**802.11g Mode**

Plot for Channel 1



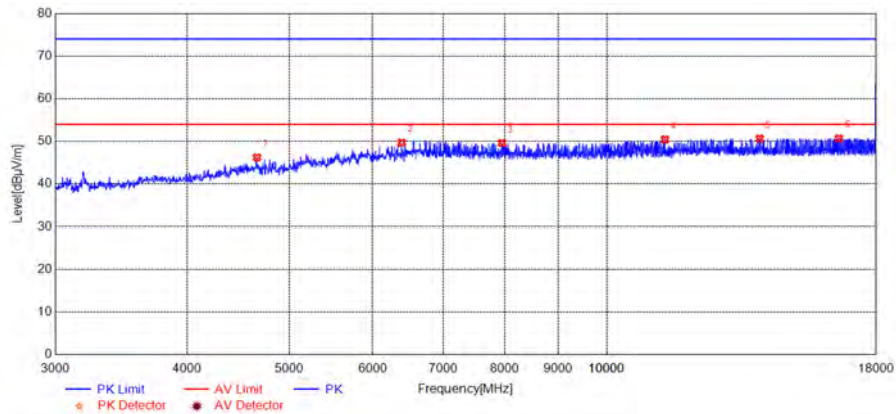
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	30.65	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
44.5646	25.11	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	31.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	21.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
836.8769	34.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



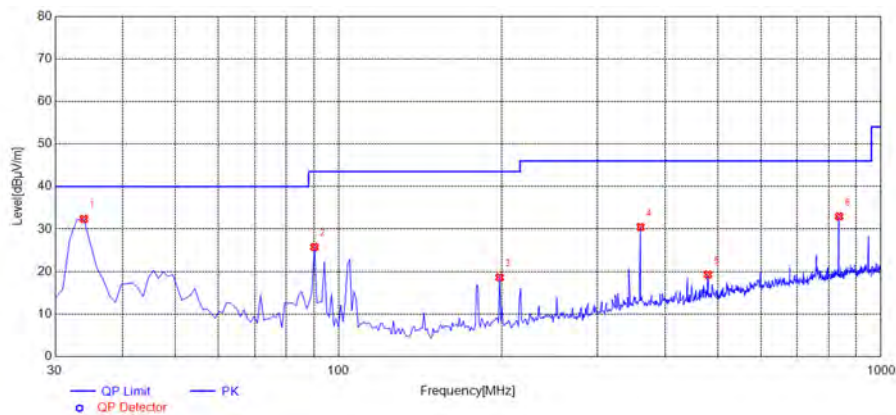
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1158.3597	33.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1343.7240	33.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1633.4389	32.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2010.5018	34.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2348.2247	35.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2921.6536	39.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



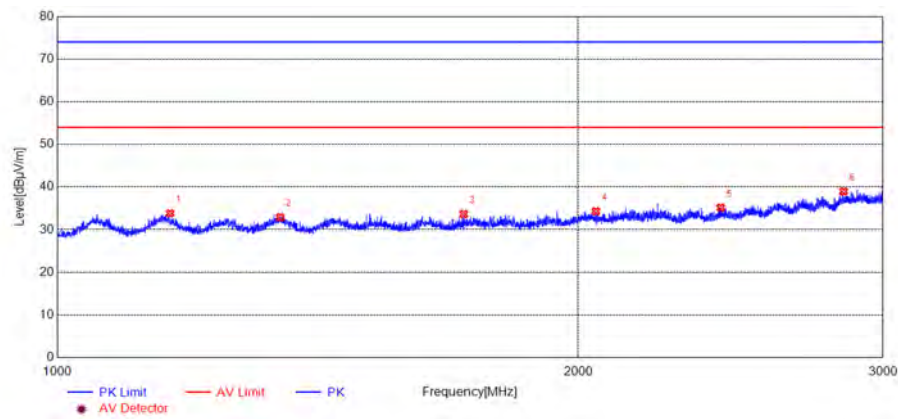
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4659.3319	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6390.6781	49.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7956.9914	49.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11356.6713	50.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13967.1934	50.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16598.7197	50.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



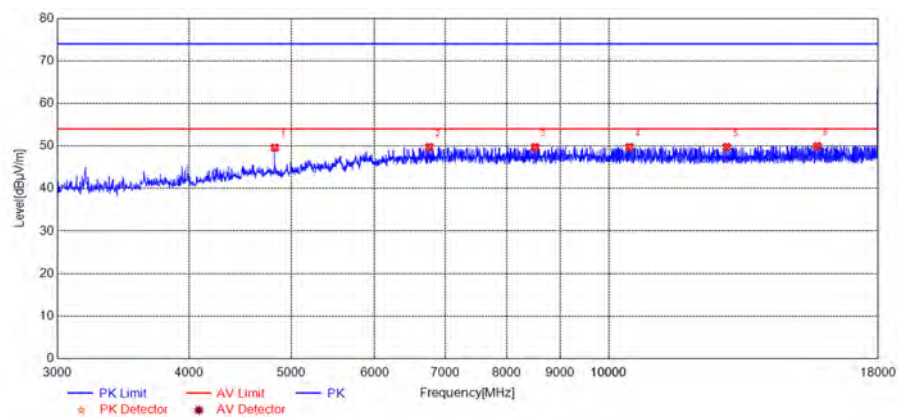
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	32.39	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	25.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
479.5596	19.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	32.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1162.0270	33.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1345.3909	32.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1717.4529	33.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2047.5079	34.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2417.5696	35.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2846.9745	38.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

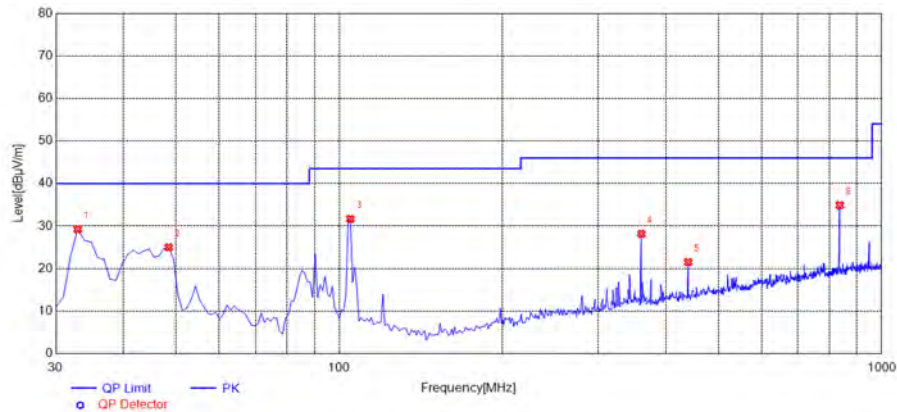
(Antenna Vertical, 1GHz to 3GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4824.3649	49.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6759.7520	49.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8515.1030	49.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10465.4931	49.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12937.9876	49.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15767.5535	49.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

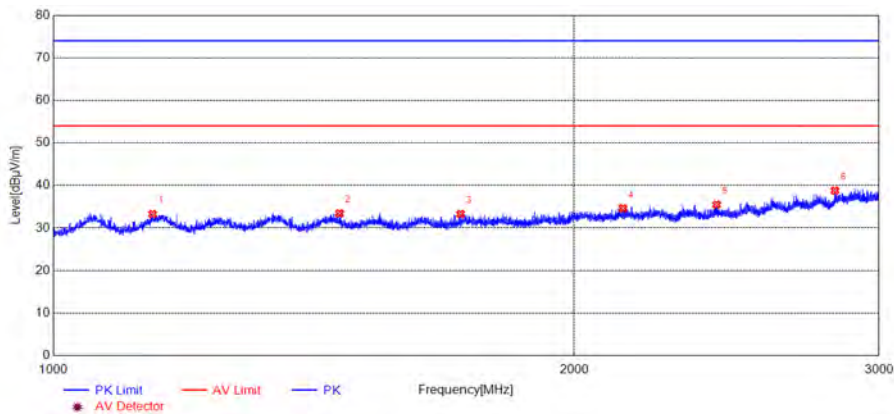
(Antenna Vertical, 3GHz to 18GHz)

Plot for Channel 6



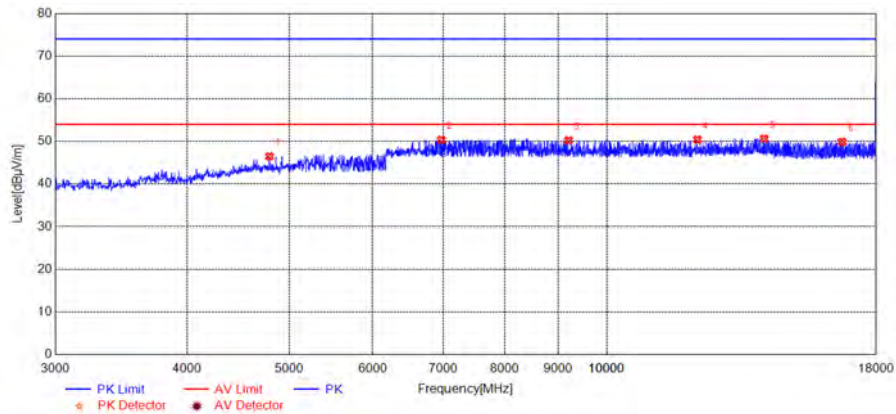
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	29.25	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
48.4484	24.99	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	31.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	21.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
836.8769	34.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



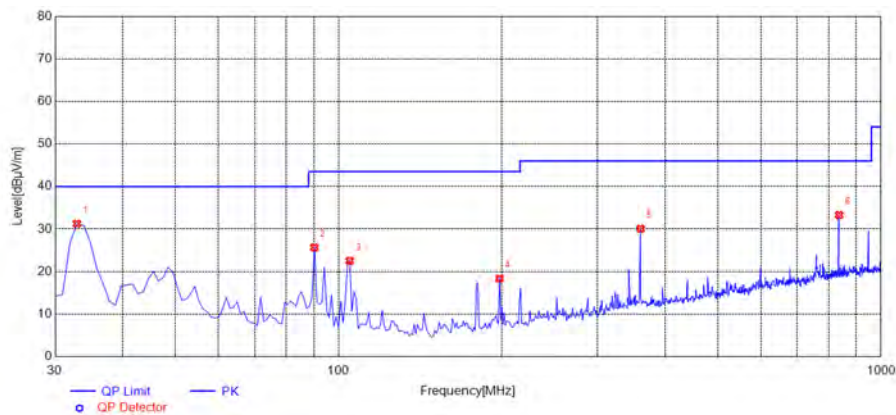
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1141.3569	33.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1463.7440	33.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1719.4532	33.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2133.5223	34.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2417.2362	35.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2828.9715	38.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4791.3583	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6969.7940	50.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9199.2398	50.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12187.8376	50.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14102.2204	50.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16712.7425	49.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



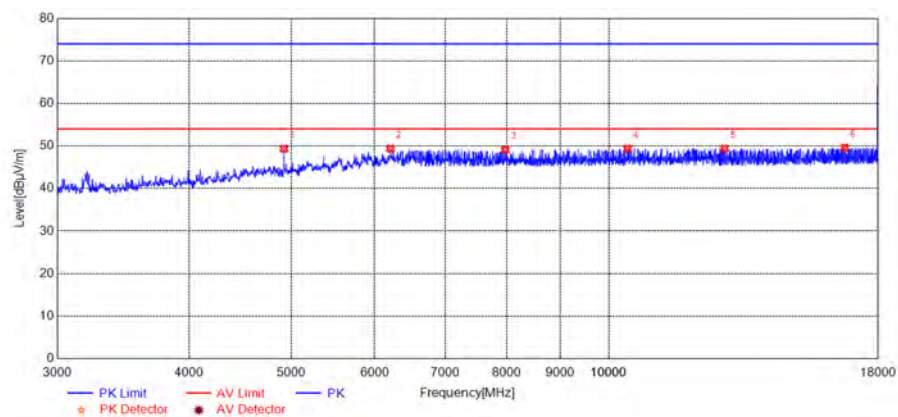
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.25	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	25.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	22.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	33.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1157.6929	34.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1358.0597	33.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1634.1057	33.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2073.8456	34.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2391.8987	35.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2919.9867	39.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

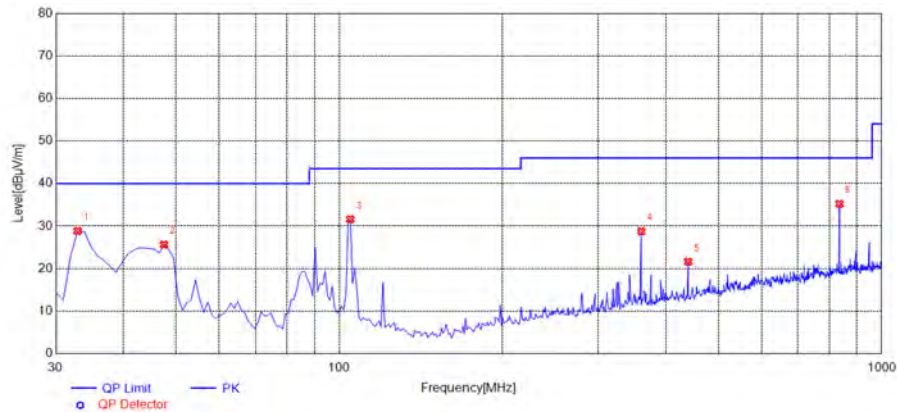


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4923.3847	49.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6210.6421	49.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7980.9962	49.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10420.4841	49.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12874.9750	49.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16736.7473	49.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

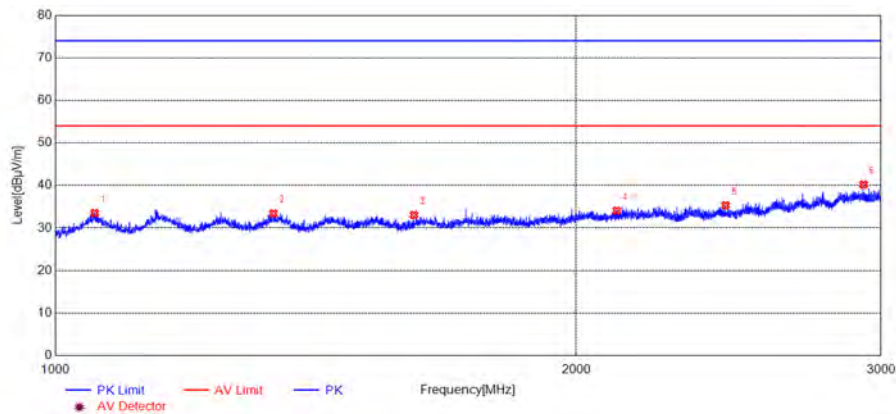


Plot for Channel 11



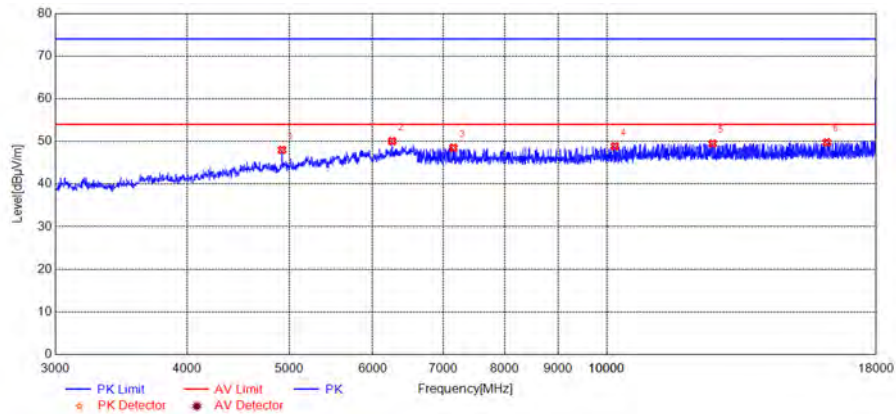
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	28.84	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	25.64	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	31.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	21.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	35.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



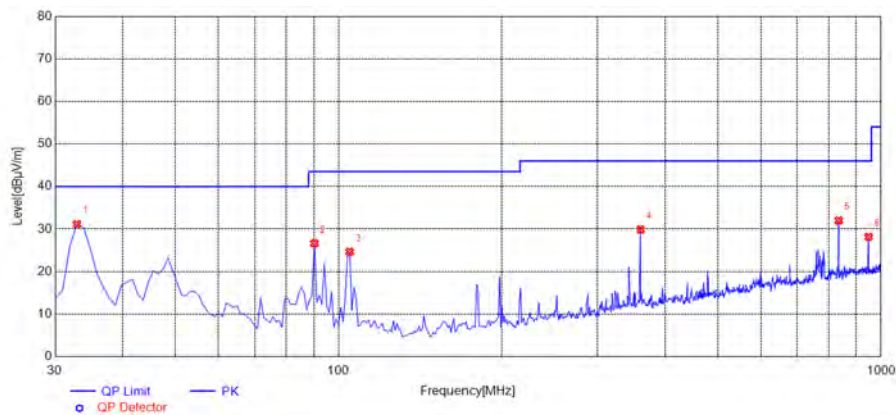
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1054.0090	33.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1336.7228	33.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1611.7686	33.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2110.5184	34.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2439.9067	35.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2930.9885	40.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



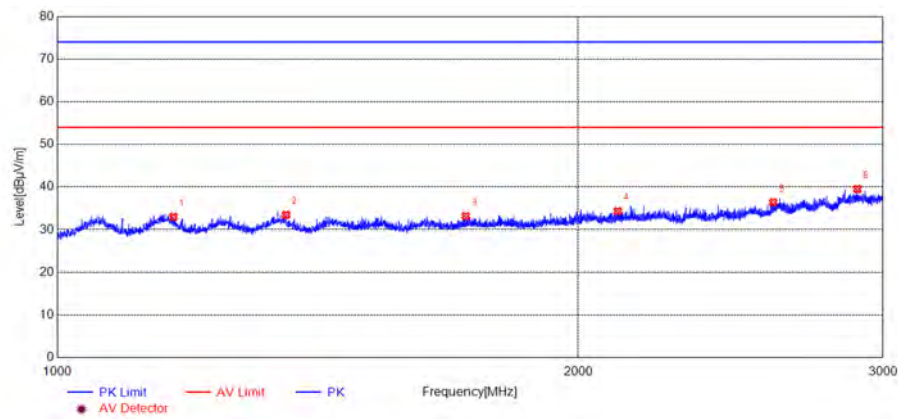
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4923.3847	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7155.8312	48.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10180.4361	48.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12601.9204	49.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16169.6339	49.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



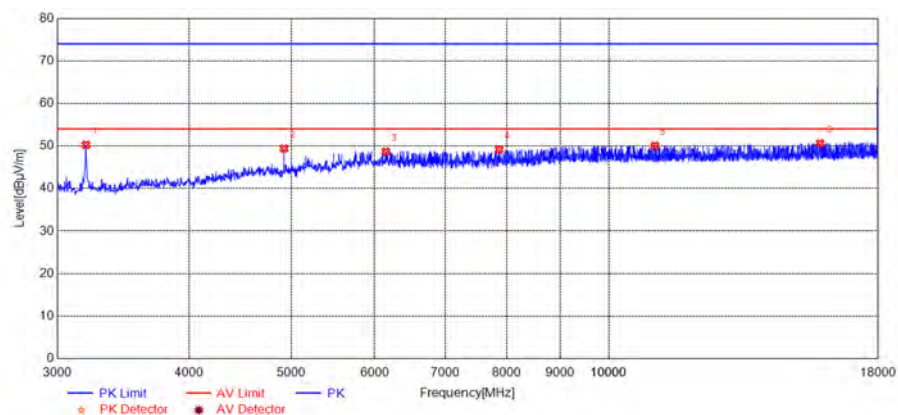
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.17	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	24.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	29.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
835.9059	32.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
948.5385	28.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1167.3612	33.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1356.0593	33.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1722.1204	33.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2107.8513	34.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2591.9320	36.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2898.9832	39.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

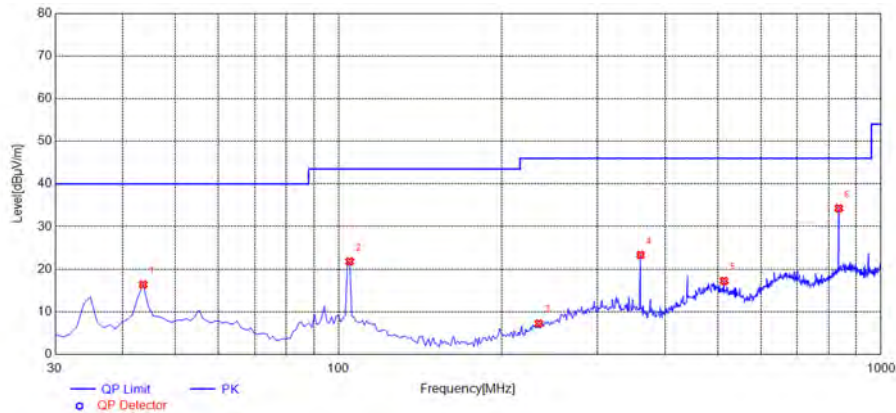


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3195.0390	50.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4923.3847	49.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6147.6295	48.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7872.9746	49.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11059.6119	50.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15863.5727	50.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

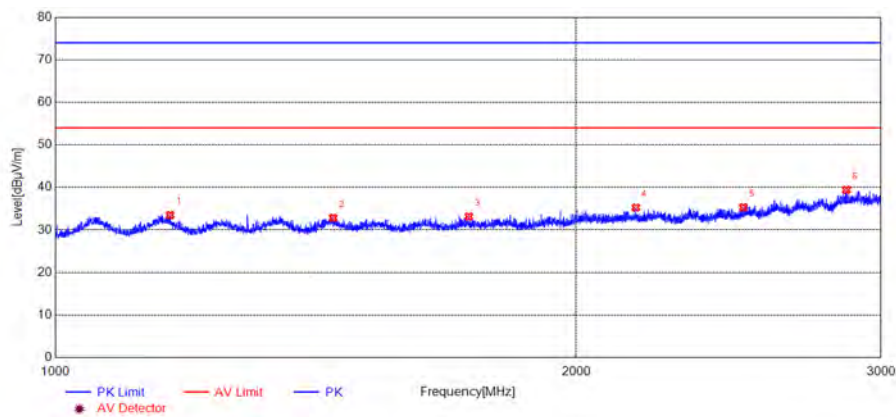
**802.11n (HT20) Mode**

Plot for Channel 1



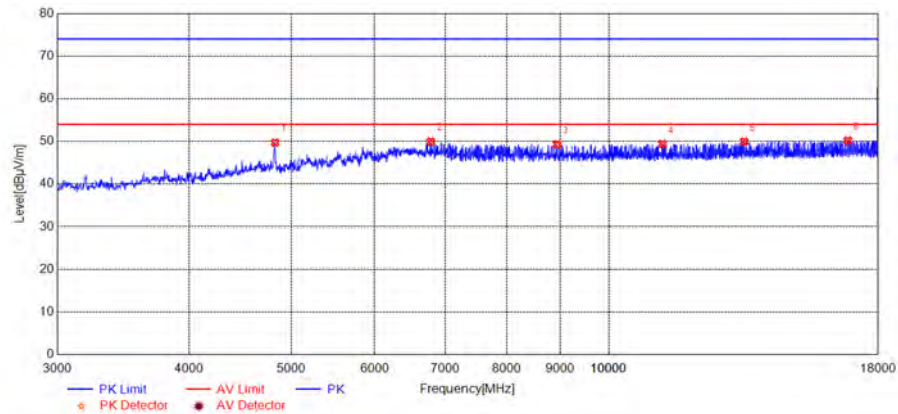
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.5936	16.39	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	21.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
233.9039	7.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
360.1301	23.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
513.5435	17.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	34.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



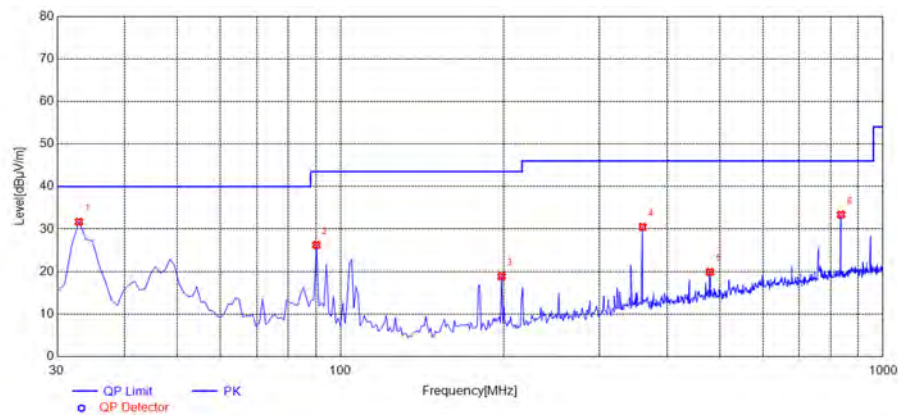
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1165.3609	33.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1447.4079	32.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1733.7890	33.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2165.1942	35.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2498.2497	35.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2865.3109	39.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4827.3655	49.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6780.7562	49.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8935.1870	49.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11245.6491	49.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13439.0878	49.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16856.7714	50.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



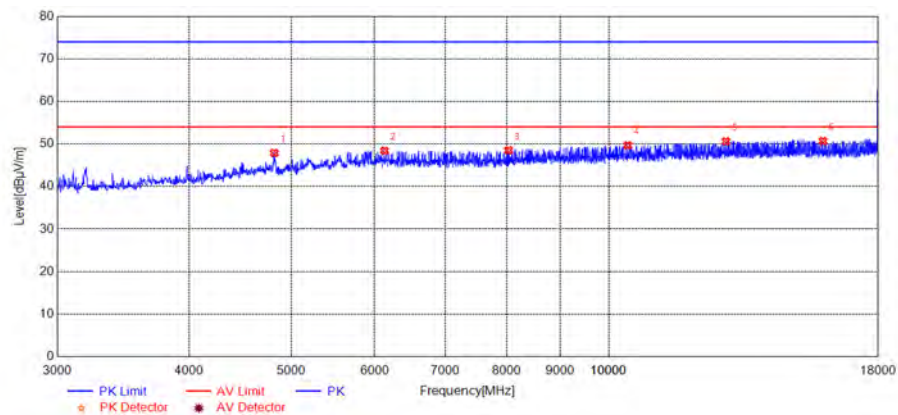
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.70	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
479.5596	19.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	33.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1158.0263	33.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1469.7450	32.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1751.7920	34.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2134.1890	34.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2338.5564	35.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2850.6418	38.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

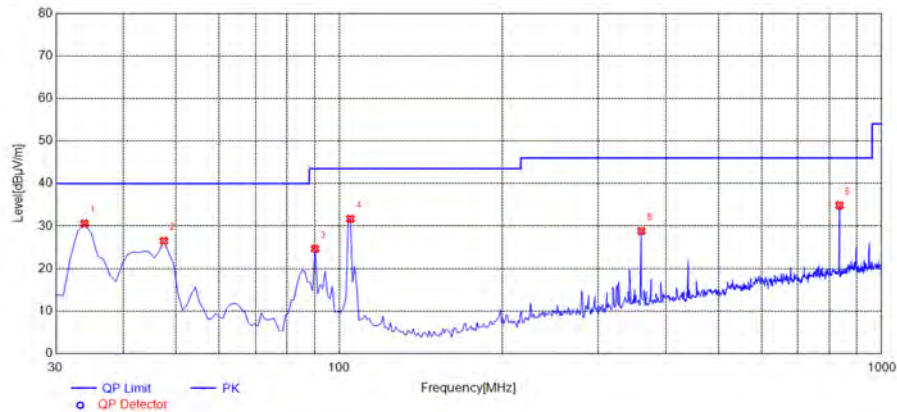


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4818.3637	47.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6129.6259	48.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8035.0070	48.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10426.4853	49.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12916.9834	50.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15965.5931	50.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

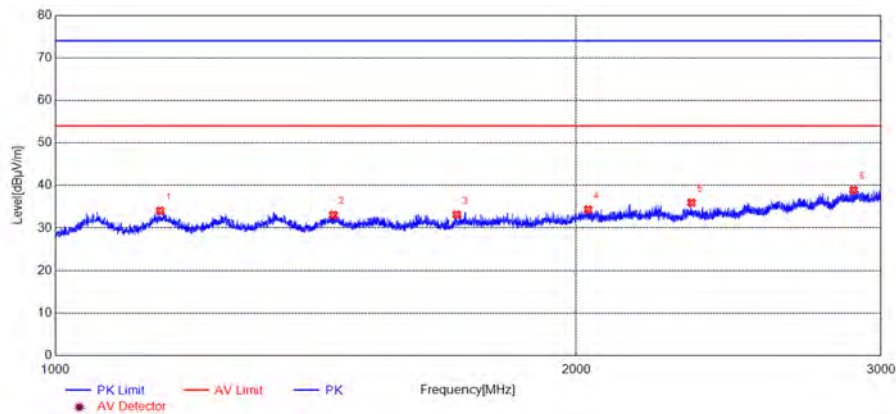


Plot for Channel 6



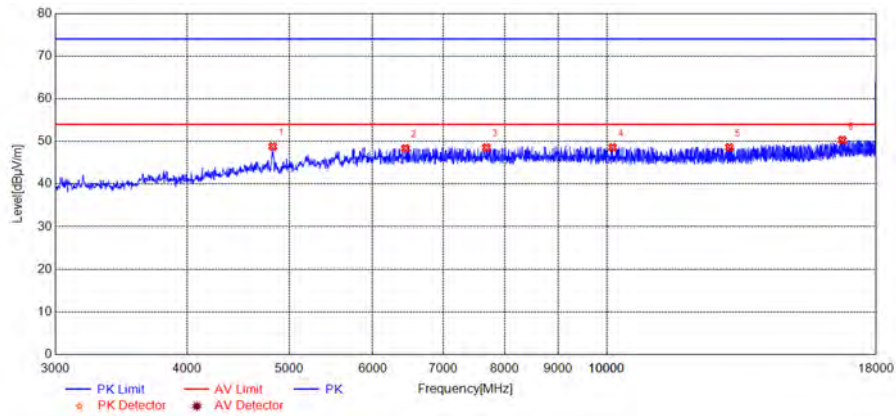
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	30.60	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	26.51	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.2002	24.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
104.7648	31.69	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



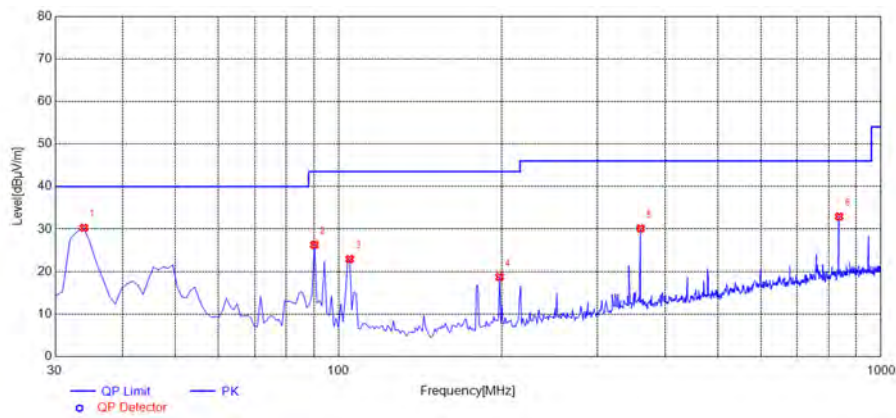
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1150.0250	34.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1448.0747	33.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1706.1177	33.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2031.8386	34.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2331.2219	35.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2892.3154	38.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



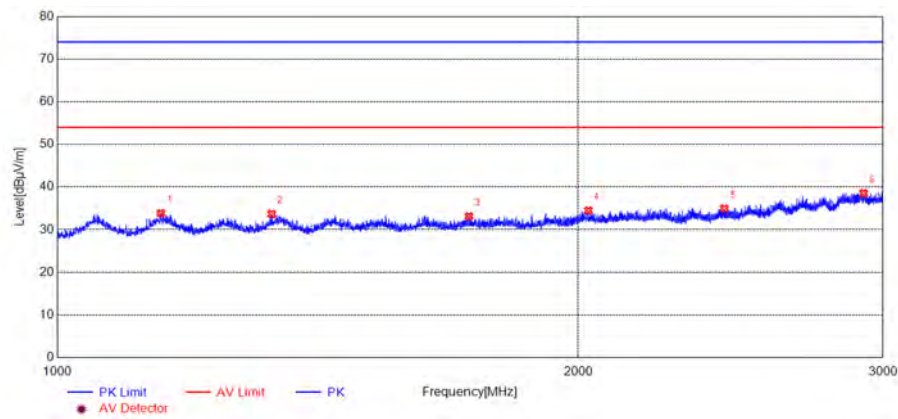
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4824.3649	48.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6444.6889	48.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7689.9380	48.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10129.4259	48.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13070.0140	48.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16721.7443	50.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



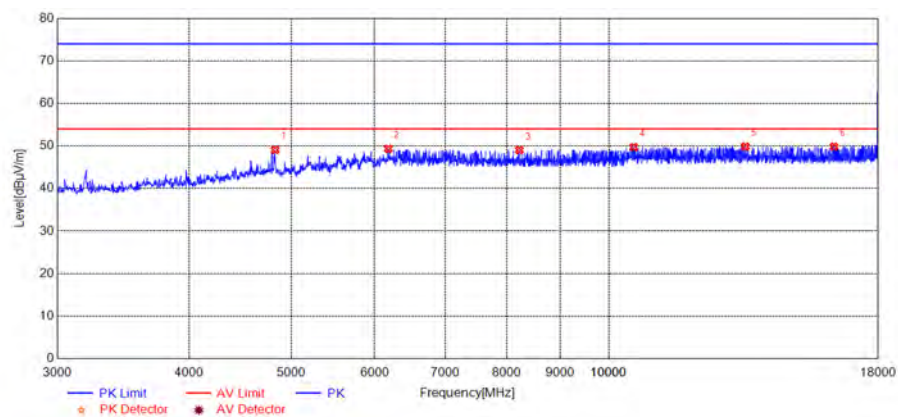
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	30.28	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	22.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	32.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1148.0247	33.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1330.3884	33.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1729.4549	33.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2027.1712	34.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2429.2382	34.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2923.6539	38.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

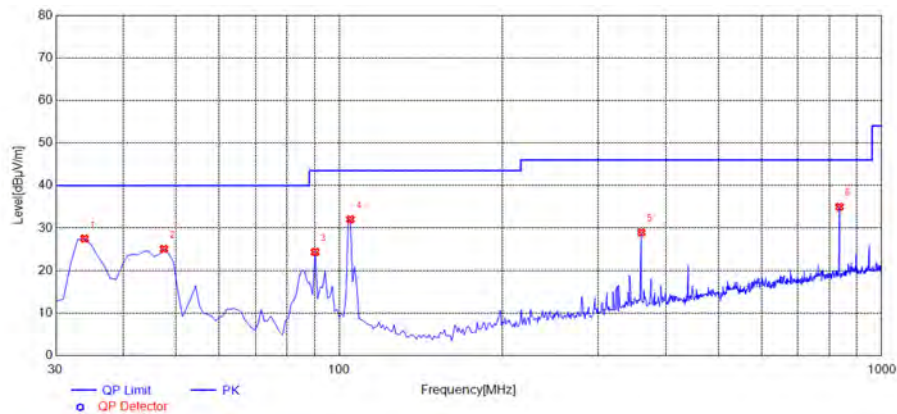


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4827.3655	49.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6180.6361	49.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8227.0454	49.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10561.5123	49.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13475.0950	49.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16352.6705	49.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

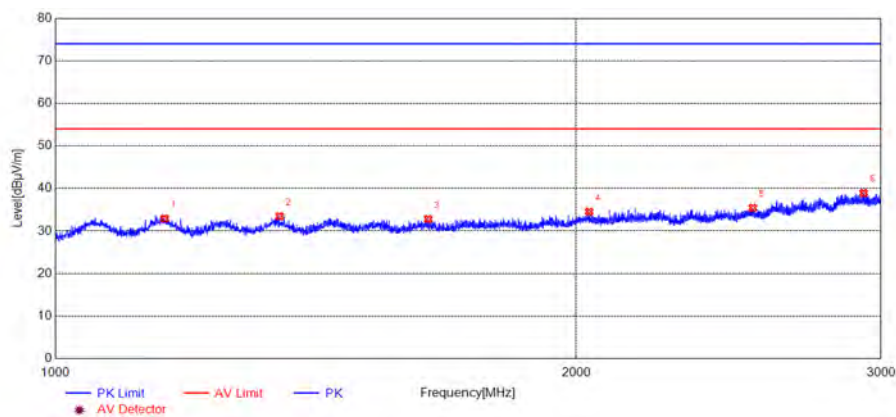


Plot for Channel 11



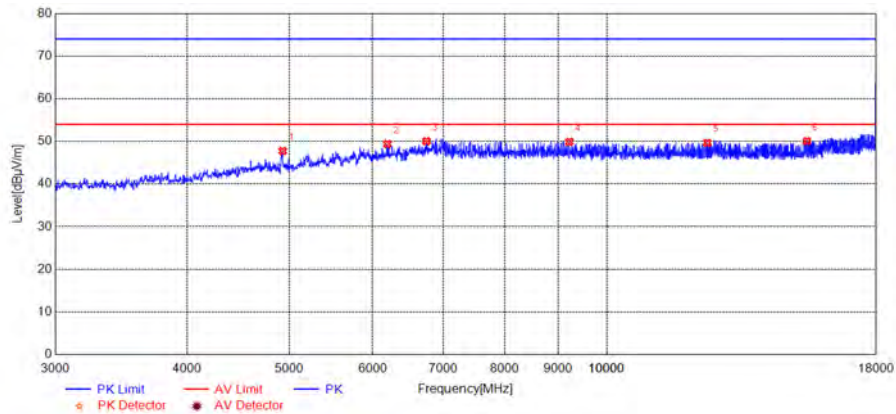
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	27.53	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	25.11	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.2002	24.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
104.7648	32.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	35.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



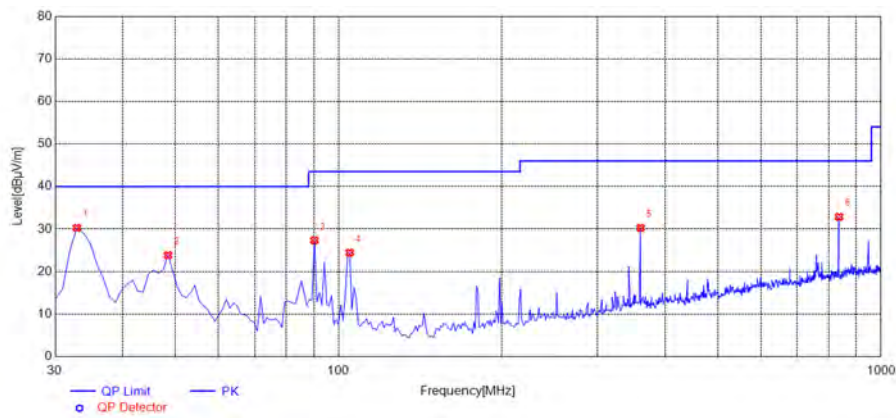
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1156.6928	32.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1348.0580	33.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1642.7738	32.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2034.5058	34.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2529.5883	35.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2931.6553	38.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



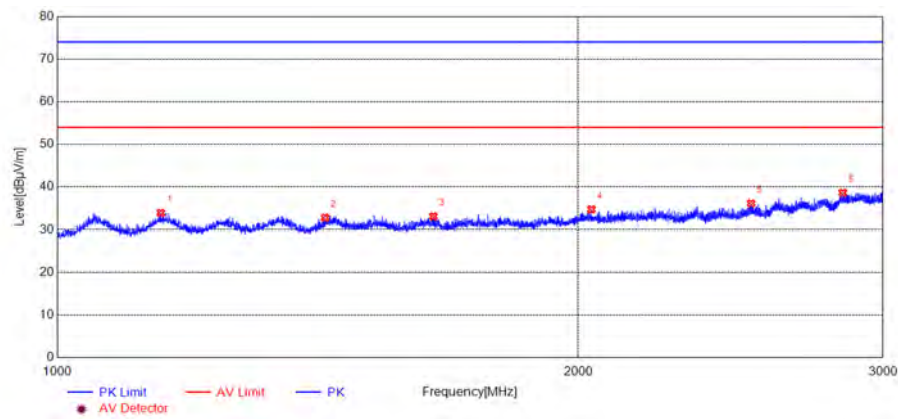
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4929.3859	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6195.6391	49.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6747.7496	50.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9217.2434	49.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12454.8910	49.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15476.4953	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



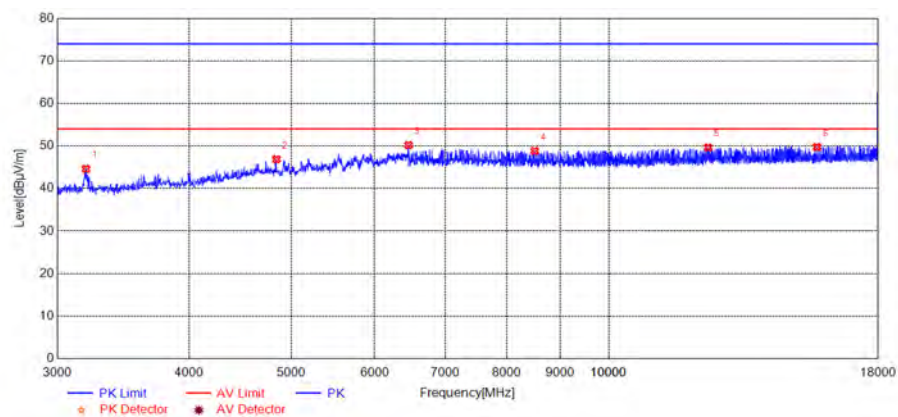
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	30.26	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
48.4484	23.84	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	27.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	24.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	32.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1148.0247	33.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1428.4047	32.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1649.4416	33.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2035.5059	34.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2517.2529	36.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2843.3072	38.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

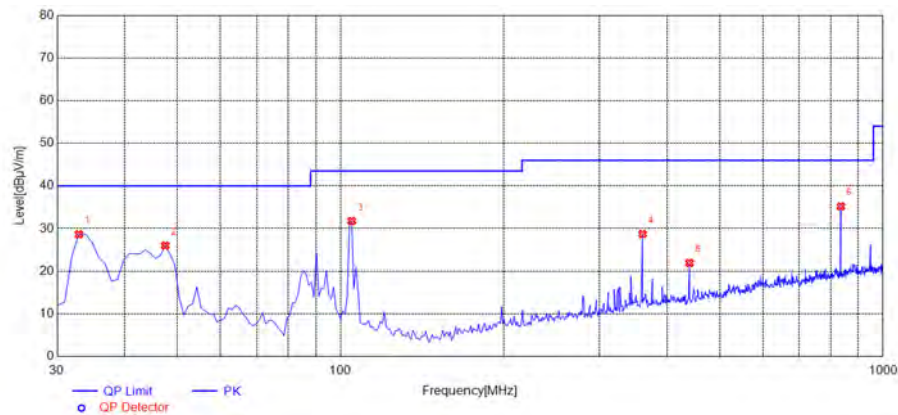


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3195.0390	44.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4842.3685	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6459.6919	50.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8506.1012	48.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12421.8844	49.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15752.5505	49.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

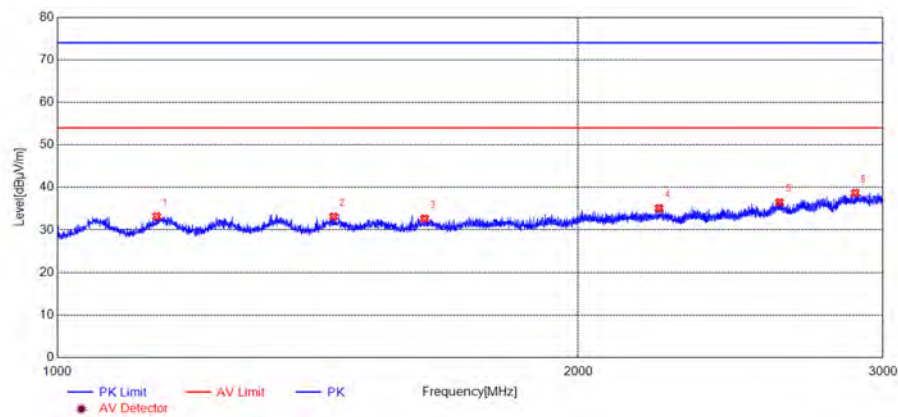
**802.11n(HT40) Mode**

Plot for Channel 3



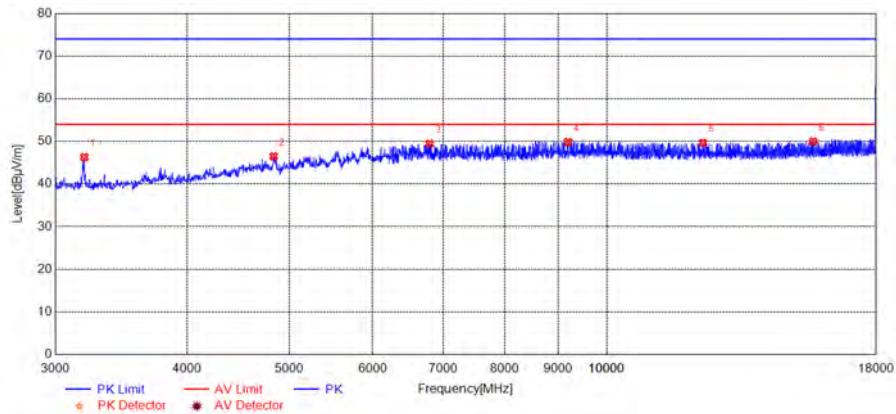
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	28.65	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	26.01	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	31.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	21.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	35.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



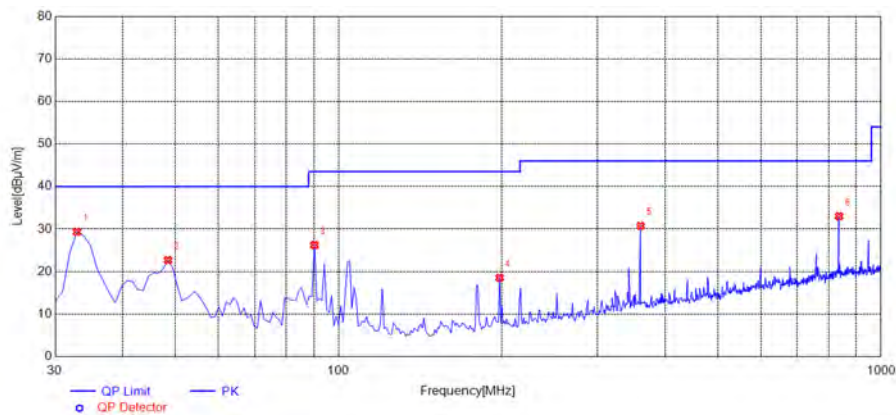
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1141.6903	33.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1444.4074	33.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1630.1050	32.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2226.8711	35.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2613.9357	36.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2890.3151	38.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



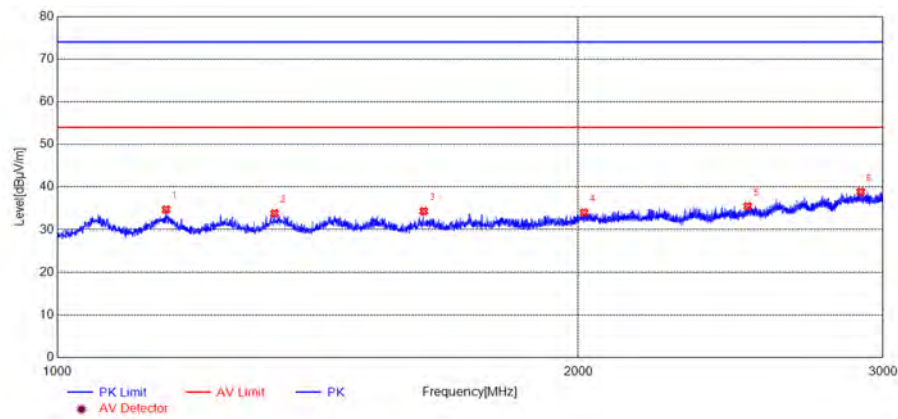
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3198.0396	46.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4833.3667	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6792.7586	49.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9193.2386	49.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12337.8676	49.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15695.5391	49.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



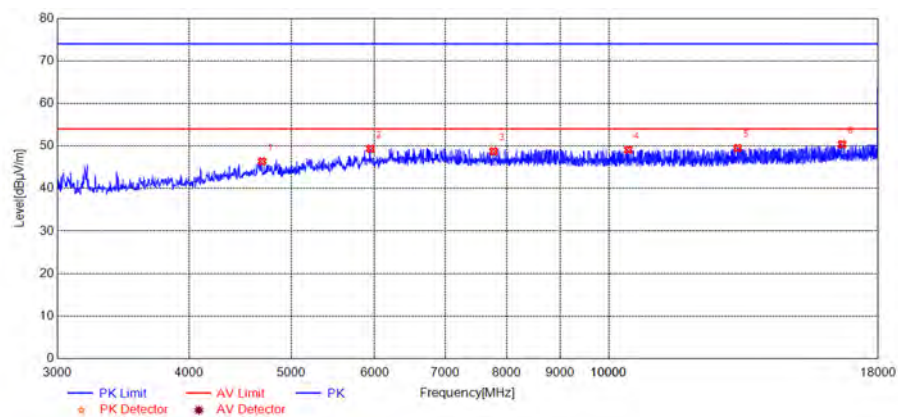
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	29.35	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
48.4484	22.71	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	33.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1156.0260	34.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1335.3892	33.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1628.4381	34.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2015.5026	34.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2505.9177	35.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2912.3187	38.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

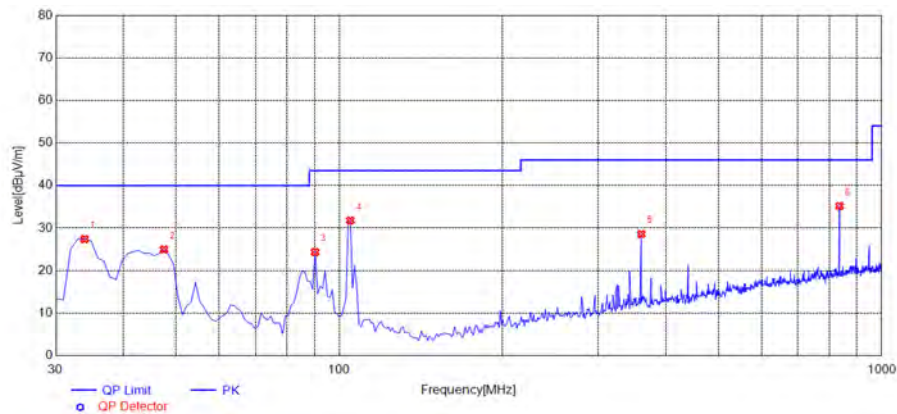


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4692.3385	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5943.5887	49.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7776.9554	48.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10438.4877	49.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13250.0500	49.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16640.7281	50.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

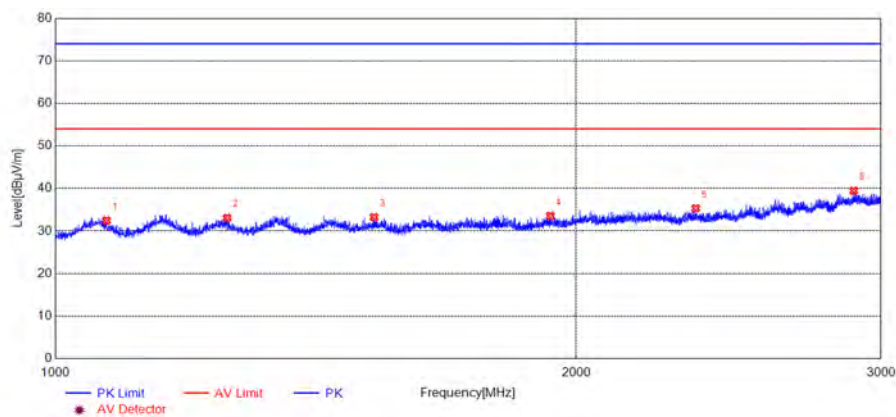


Plot for Channel 6



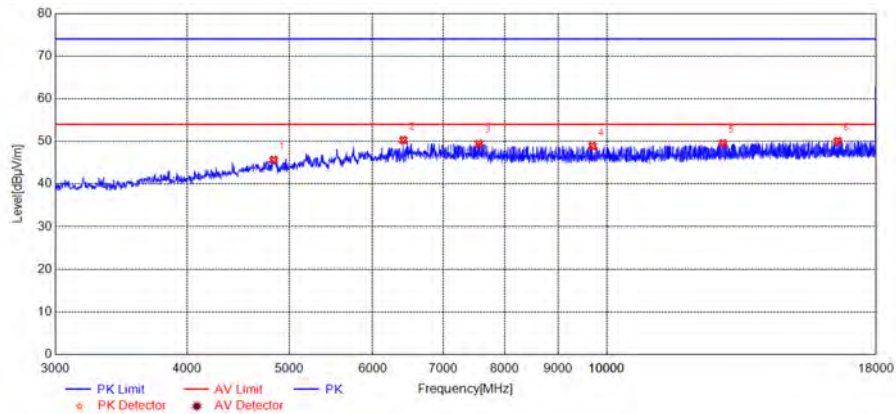
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	27.41	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	24.96	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.2002	24.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
104.7648	31.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.9059	35.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



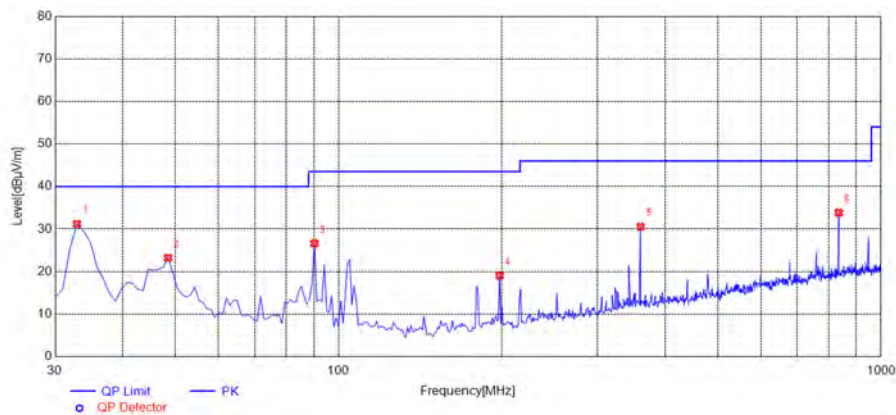
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1070.6784	32.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1257.0428	33.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1528.4214	33.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1932.1554	33.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2344.5574	35.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2893.3156	39.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



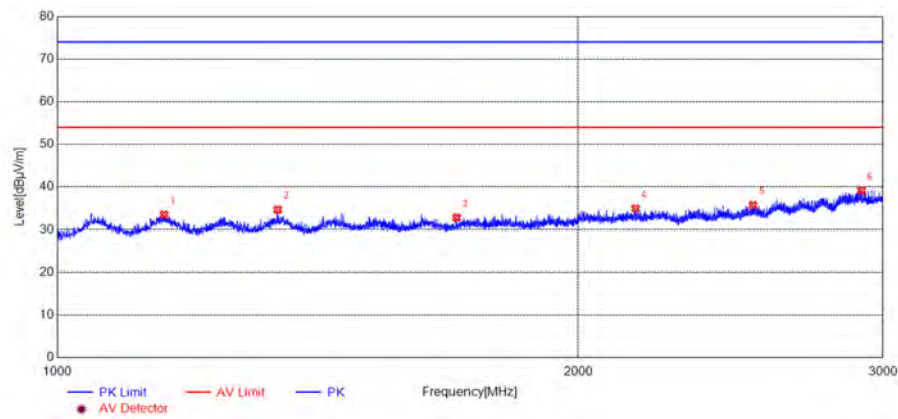
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4833.3667	45.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6414.6829	50.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7566.9134	49.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9694.3389	48.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12889.9780	49.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16556.7113	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



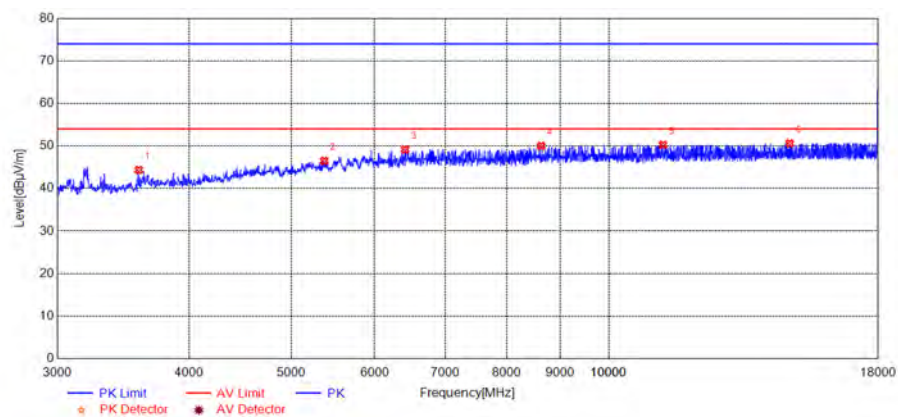
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	31.19	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
48.4484	23.25	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	26.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
835.9059	33.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1153.0255	33.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1341.0568	34.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1701.1169	32.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2158.8598	35.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2523.9207	35.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2914.9858	39.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

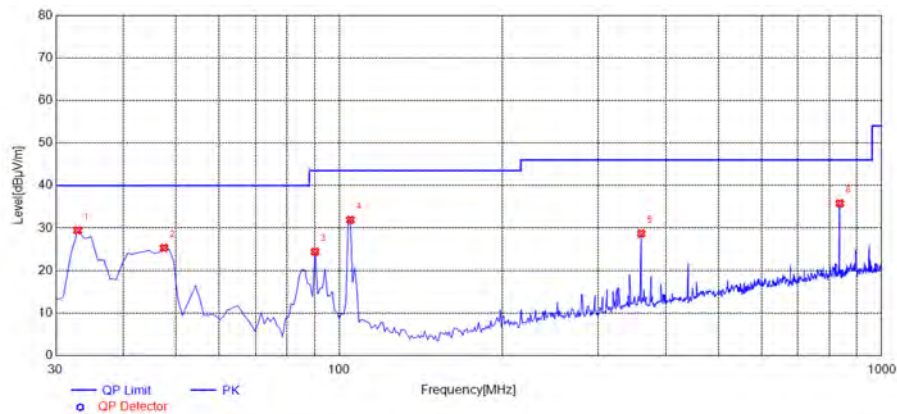


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
3585.1170	44.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5373.4747	46.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6411.6823	49.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8629.1258	50.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11257.6515	50.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14846.3693	50.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

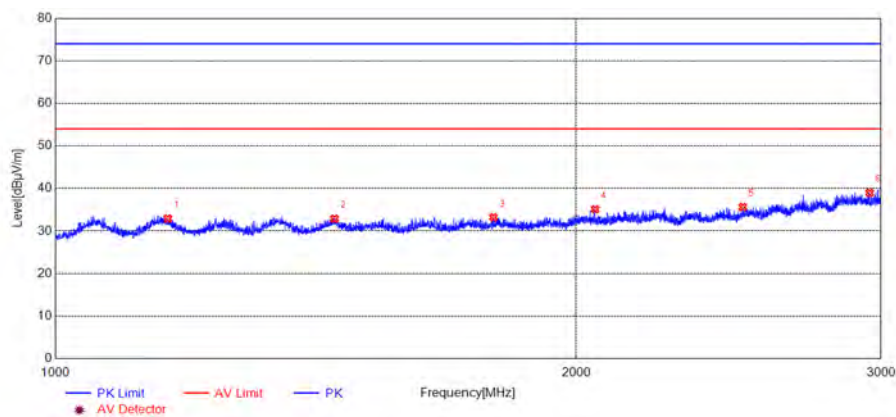


Plot for Channel 9



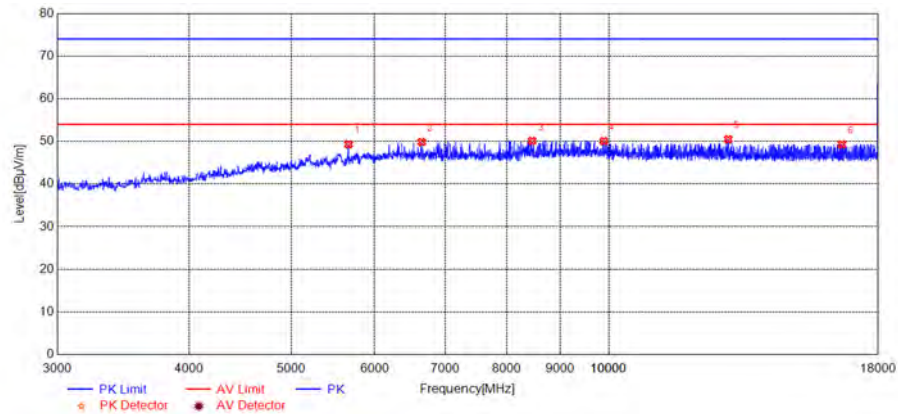
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.9129	29.46	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
47.4775	25.33	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.2002	24.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
104.7648	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
836.8769	35.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



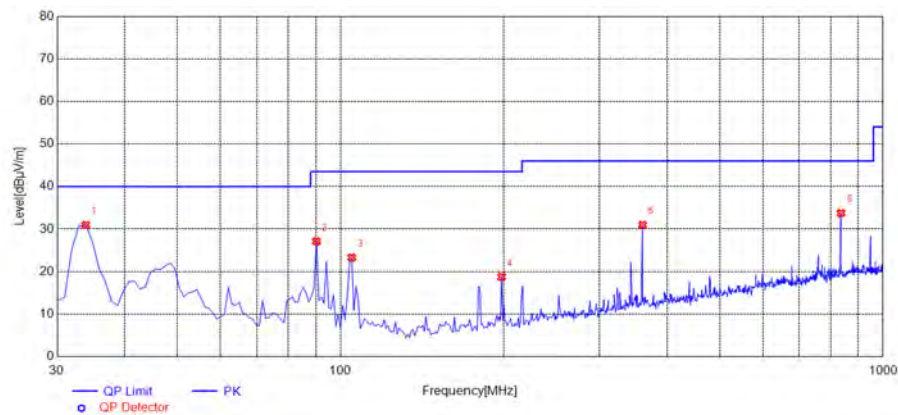
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1161.6936	32.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1450.0750	32.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1791.4652	33.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2051.1752	35.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2495.9160	35.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2954.9925	39.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



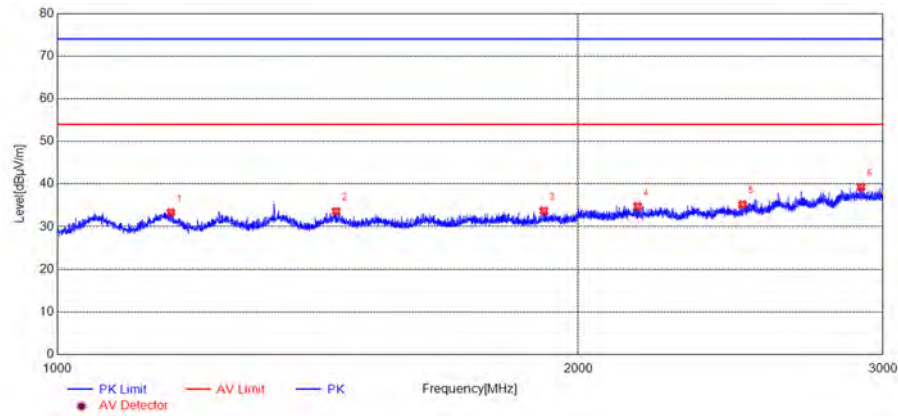
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
5667.5335	49.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6648.7297	49.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8458.0916	50.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9892.3785	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12979.9960	50.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16634.7269	49.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



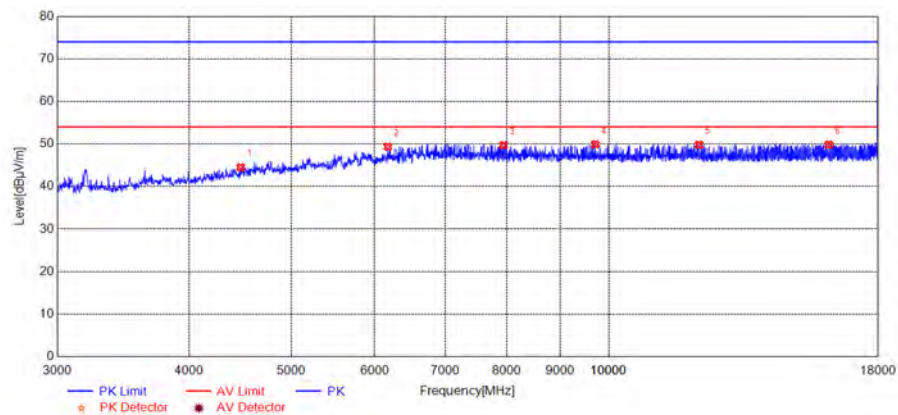
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.8839	30.93	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
90.2002	27.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
104.7648	23.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	18.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	30.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
836.8769	33.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1163.3606	33.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1449.4082	33.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1910.4851	33.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2164.5274	34.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2488.2480	35.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2913.6523	39.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
4479.2959	44.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6174.6349	49.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7944.9890	49.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9712.3425	49.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12178.8358	49.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16169.6339	49.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

END OF REPORT