



REPORT No.: SZ25110146W02

TEST REPORT

APPLICANT : Strutt Pte. Ltd.

PRODUCT NAME : Smart Everyday Vehicle

MODEL NAME : Strutt ev¹, Strutt ev¹c

BRAND NAME : STRUTT

FCC ID : 2BUN8-SEV1

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-12-30

TEST DATE : 2026-01-20 to 2026-03-27

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REPORT No.: SZ25110146W02

Change History		
Version	Date	Reason for change
1.0	2025-03-30	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	N/A	Duty Cycle of Test Signal	Feb. 05, 2026	Zhu Peihong	PASS	/
3	15.247(b)	Maximum Peak Conducted Output Power	Feb. 05, 2026	Zhu Peihong	PASS	/
4	15.247(b)	Maximum Average Conducted Output Power	Feb. 05, 2026	Zhu Peihong	PASS	/
5	15.247(a)	Bandwidth	Feb. 05, 2026	Zhu Peihong	PASS	/
6	15.247(d)	Conducted Spurious Emission and Band Edge	Feb. 05, 2026	Zhu Peihong	PASS	/
7	15.247(e)	Power Spectral Density	Feb. 05, 2026	Zhu Peihong	PASS	/
8	15.207	Conducted Emission	Mar. 25, 2026	Wang Yapeng	PASS	/
9	15.247(d)	Restricted Frequency Bands	Jan. 04, 2026	Tian Xin	PASS	/
10	15.209, 15.247(d)	Radiated Emission	Jan. 04, 2026	Tian Xin	PASS	/

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

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

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



1.1. Testing Applied Standards

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

- 47 CFR Part 15 Subpart C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2025.12.23	2026.12.22
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	101052	ESPI	R&S	2025.05.15	2026.05.14
LISN	103131	ENV 216	R&S	2025.03.20	2026.03.19
				2026.03.18	2027.03.17
RF Coaxial Cable (DC-100MHz)	EMC-CE-00514	N/A	N/A	2025.05.06	2026.05.05

1.2.3 List of Software Used

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

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2025.09.03	2026.09.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18



1.3. Measurement Uncertainty

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

1.4. Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
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FCC Designation Number:	CN1192
FCC Test Firm Registration Number:	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	Strutt Pte. Ltd.
Applicant Address:	1 BULIM LANE 2, #05-53 Bulim Square Singapore (648110)
Manufacturer:	Strutt Pte. Ltd.
Manufacturer Address:	1 BULIM LANE 2, #05-53 Bulim Square Singapore (648110)

2.2. Information of EUT

Product Name:	Smart Everyday Vehicle	
Sample No.:	4#, 7#, 9#	
Hardware Version:	v1.0.0.0	
Software Version:	v1.0.0.0	
Modulation Technology:	DSSS, OFDM	
Modulation Type:	Refer to section 2.4	
Wireless Technology:	802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40)	
Operating Frequency Range:	2412MHz–2472MHz	
Antenna Type:	FPC Antenna	
Antenna Gain:	4.92dBi	
Accessory Information:	Battery	
	Brand Name:	STRUTT
	Model No.:	BA25013220
	Serial No.:	N/A
	Capacity:	Typical Capacity/Typical Energy: 20Ah/640Wh Rated Capacity/Rated Energy: 18.5Ah/592Wh
	Rated Voltage:	32V
	Charge Limit:	36V
	Manufacturer:	Fujian SCUD Power Technology Co., Ltd.
	AC Adapter	
	Brand Name:	ShenZhen Fuyuan Power Co., Ltd.
	Model No.:	FY3293609000
	Serial No.:	N/A
	Rated Output:	36.0V $\Rightarrow$ 9.0A



	Rated Input:	100-240V~50/60Hz, 5.0A
	Manufacturer:	Shenzhen Fuyuandian Power Co., Ltd

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

Note 2: According to the certificate holder, they declared that the models Strutt ev¹, Strutt ev¹c only differ in below items:

1. Appearance

Strutt ev¹: The color of the front lower shell of the chassis is dark gray.

Strutt ev¹c: The color of the front lower shell of the chassis is light gray.

2. Hardware and Structure

Strutt ev¹ and Strutt ev¹c have exactly the same hardware configuration and structure.

3. Software

Strutt ev¹: Supports: Manual, AI Voice Assistant, Co-Pilot, Co-Pilot+, Pathfinder, Waypoint, Follow, and Replay.

Strutt ev¹c: Supports: Manual, AI Voice Assistant, Co-Pilot, Co-Pilot+, Pathfinder, and Waypoint.

The main measuring model is Strutt ev¹, only the results for Strutt ev¹ were recorded in this report.

2.3.Channel List of EUT

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

Note 1: The black bold channels were selected for test.

2.4. Test Configuration of EUT

2.4.1. Modulation Type and Data Rate of EUT

Mode	Bandwidth (MHz)	Modulation Technology	Modulation Type	Data Rate	RU Size
802.11b	20	DSSS	DBPSK	1/2/5.5/11Mbps	N/A
			DQPSK		
			CCK		
802.11g	20	OFDM	BPSK	6/9/12/18/24/36/48/54 Mbps	N/A
			QPSK		
			16QAM		
			64QAM		
802.11n	20 (HT20/40)	OFDM	BPSK	MCS0~MCS7	N/A
			QPSK		
			16QAM		
			64QAM		

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.

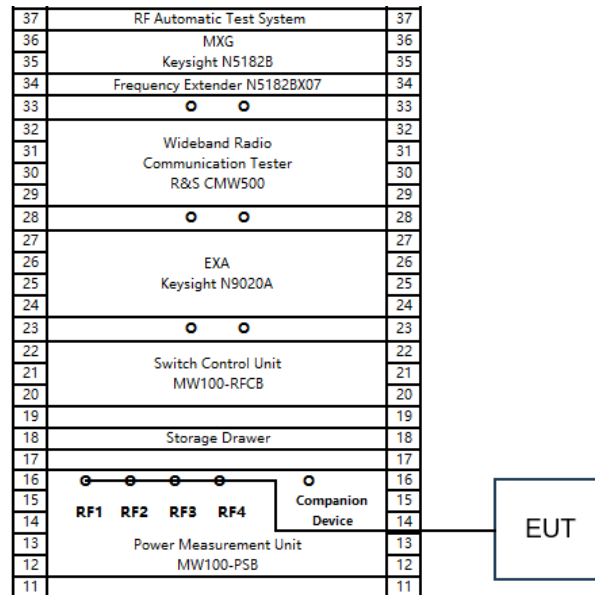
Note2: The RF signal transmission of EUT is controlled by the build-in engineering mode which is provided by the manufacturer. The recorded power setting value is the maximum that the engineering mode has configuration during testing.

2.5. Test Conditions

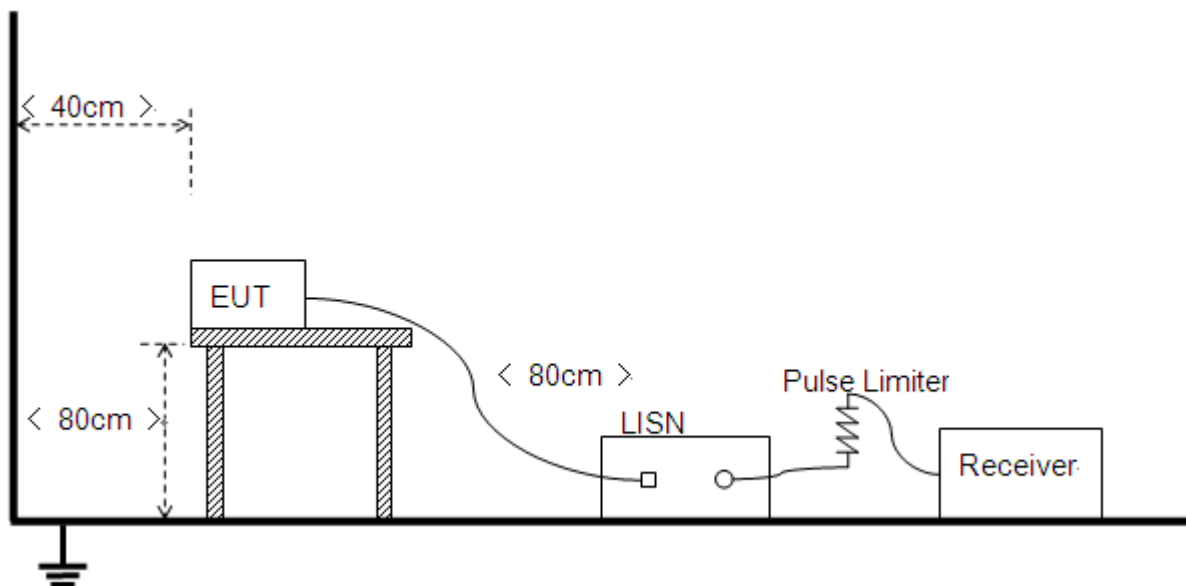
Temperature (°C):	15–35
Relative Humidity (%):	30–60
Atmospheric Pressure (kPa):	86–106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

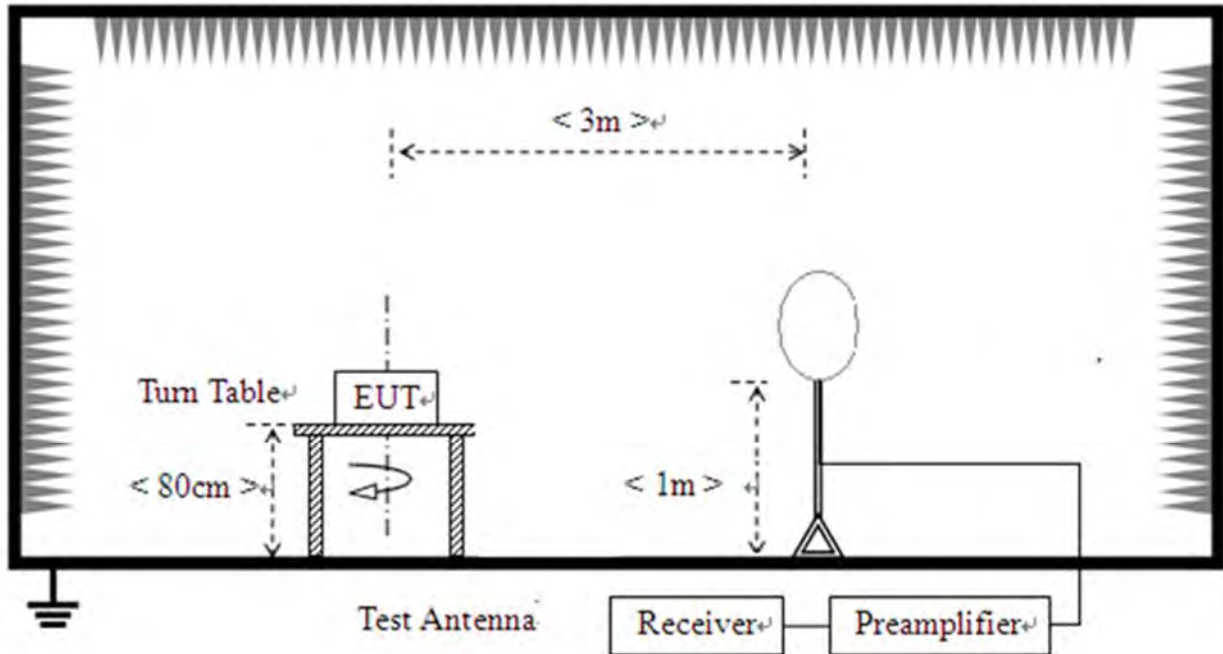


2.6.2. Conducted Emission Measurement

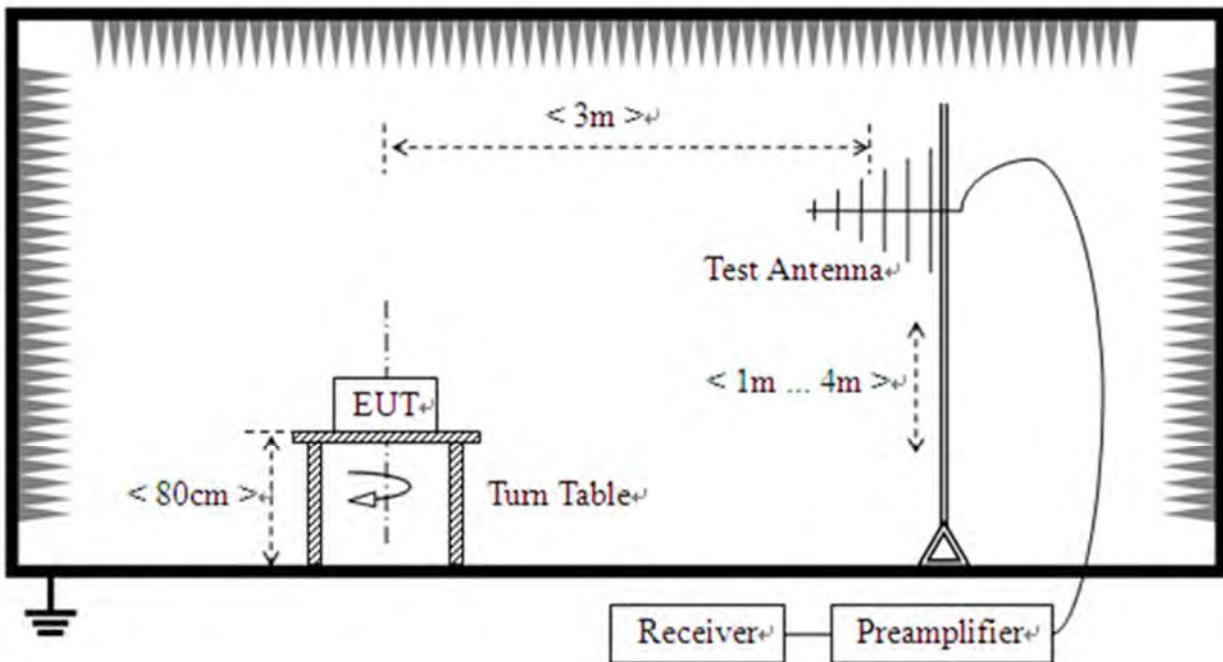


2.6.3.Radiation Measurement

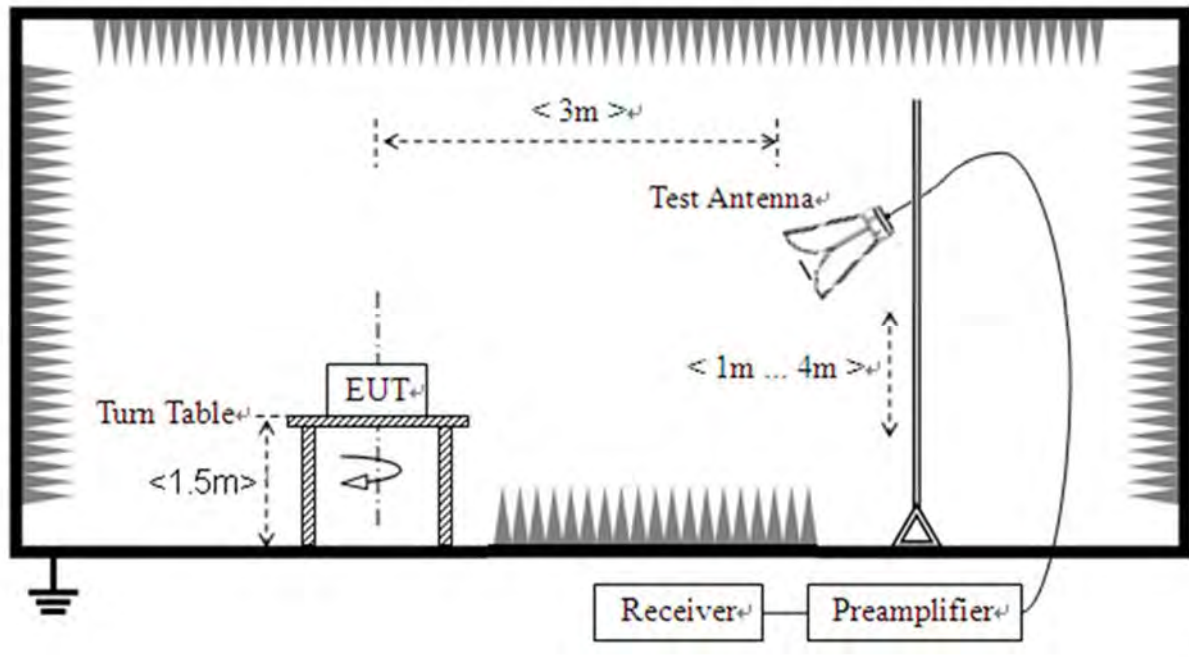
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirement

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

3.1.2. Test Result

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



3.2. Duty Cycle of Test Signal

3.2.1. Requirement

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

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

3.2.2. Test Result

Refer to Annex A.1 in this report.



3.3. Maximum Peak and Average Conducted Output Power

3.3.1. Requirement

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

3.3.2. Test Procedures

The EUT (Equipment under the test) which is coupled to the USB Wideband Power Sensor; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

3.3.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4. Test Result

Refer to Annex A.2 and A.3 in this report.



3.4.6 dB Bandwidth

3.4.1.Requirement

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

3.4.1.Test Procedures

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

3.4.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.3.Test Result

Refer to Annex A.4 in this report.



3.5. Conducted Spurious Emissions and Band Edge

3.5.1. Requirement

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

3.5.2. Test Procedures

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

3.5.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4. Test Result

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



3.6. Power Spectral Density

3.6.1. Requirement

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

3.6.2. Test Procedures

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

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

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

3.6.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4. Test Result

Refer to Annex A.7 in this report.

3.7. Conducted Emission

3.7.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

Note:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.7.2. Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.7.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.7.4. Test Result

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

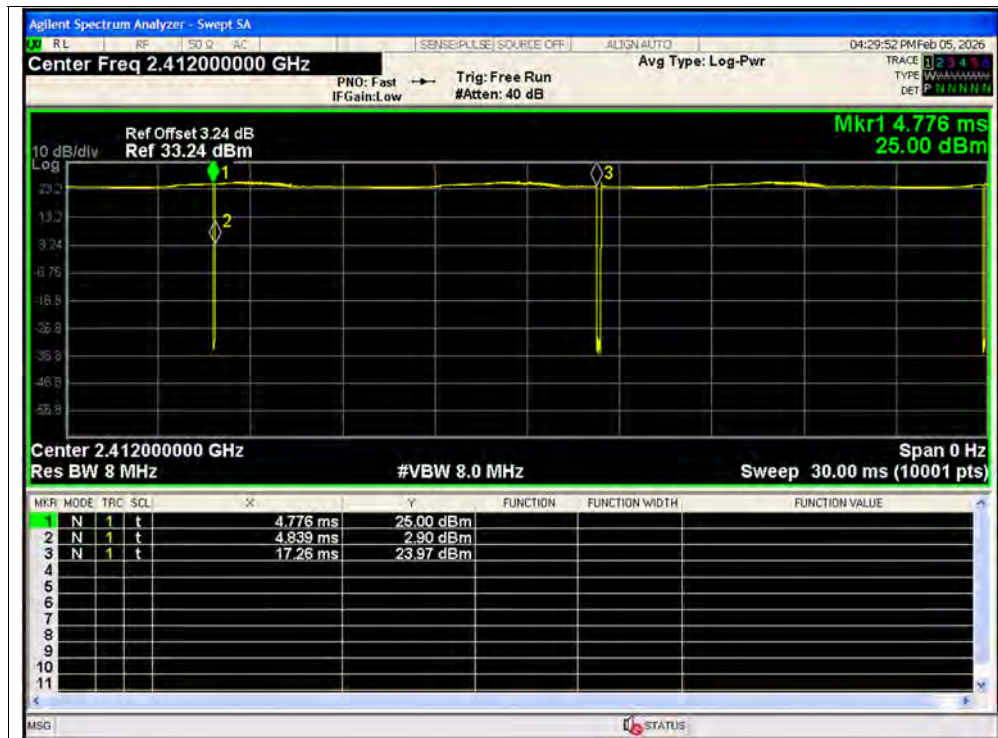
Refer to Annex A.10 in this report.



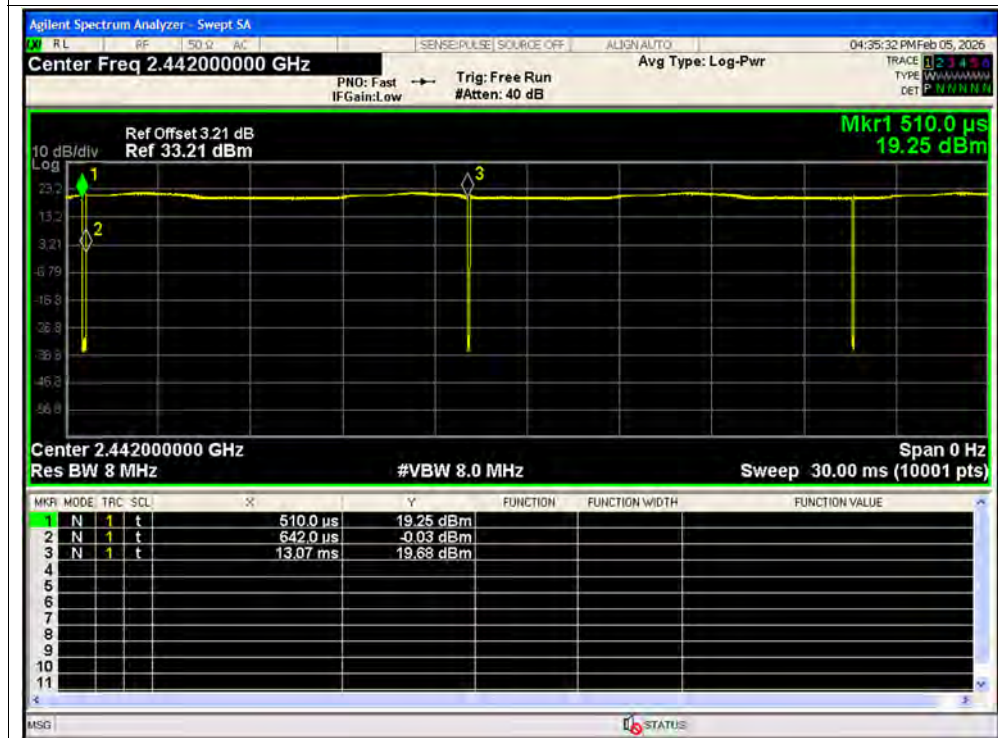
Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.5	0.02	0.08
NVNT	b	2442	Ant1	98.95	0.05	0.08
NVNT	b	2472	Ant1	99.23	0.03	0.08
NVNT	g	2412	Ant1	80.19	0.96	3.98
NVNT	g	2442	Ant1	66.49	1.77	4
NVNT	g	2472	Ant1	68.12	1.67	4
NVNT	n20	2412	Ant1	93.03	0.31	0.52
NVNT	n20	2442	Ant1	94.68	0.24	0.52
NVNT	n20	2472	Ant1	93.03	0.31	0.52
NVNT	n40	2422	Ant1	89.75	0.47	1.06
NVNT	n40	2442	Ant1	92.93	0.32	1.06
NVNT	n40	2462	Ant1	94.6	0.24	1.06



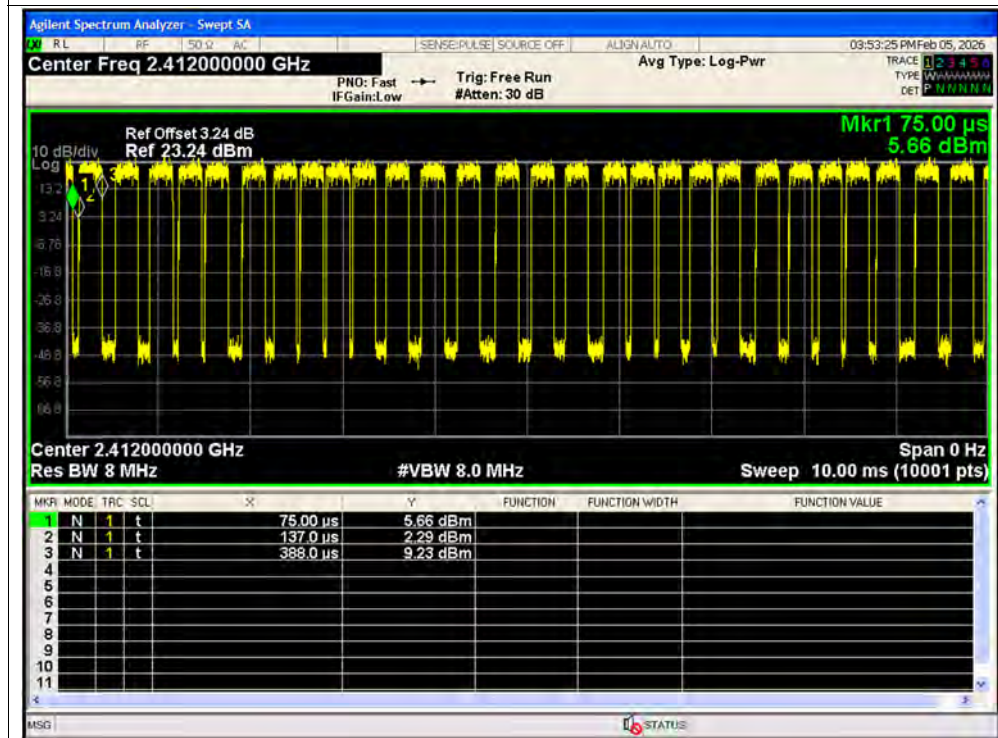
Duty Cycle NVNT b 2412MHz Ant1



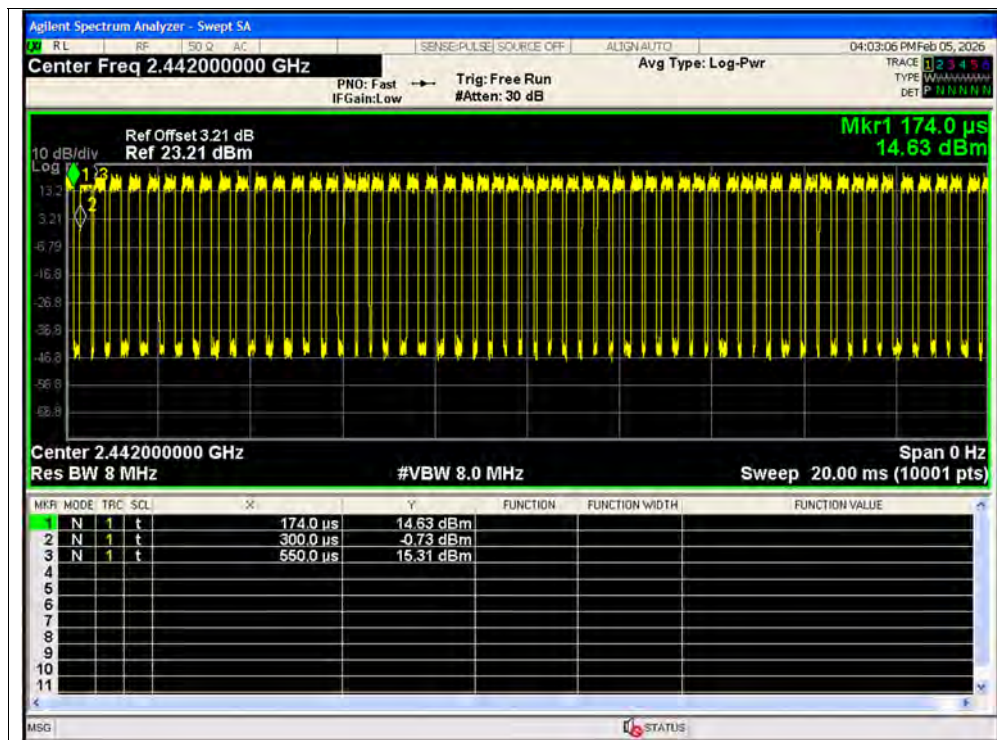
Duty Cycle NVNT b 2442MHz Ant1



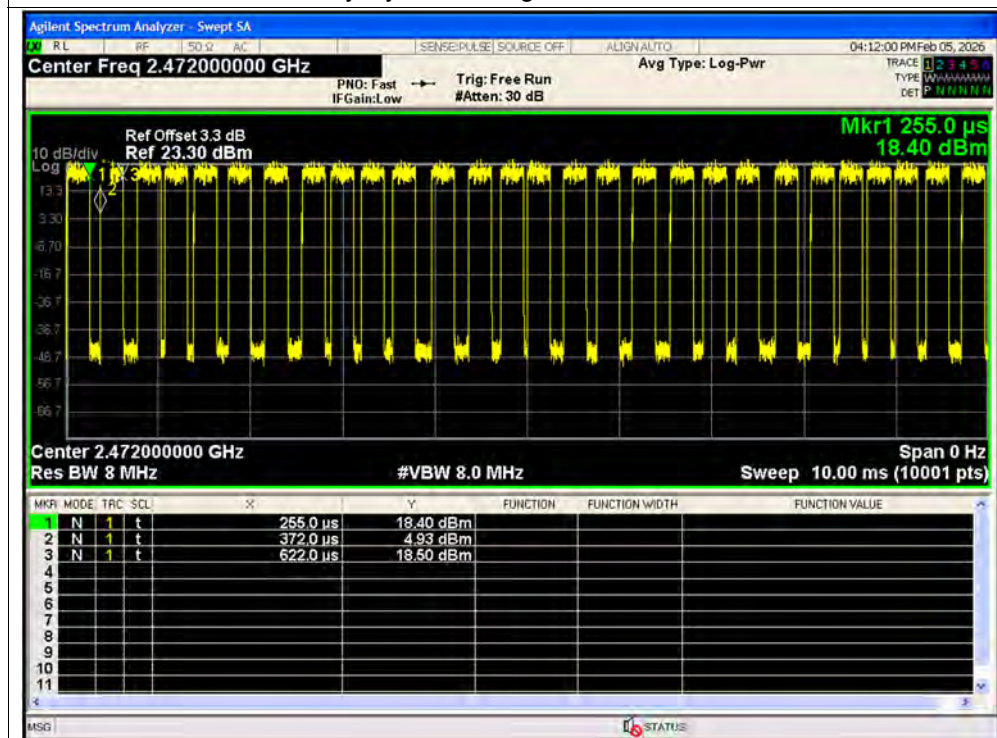
Duty Cycle NVNT b 2472MHz Ant1



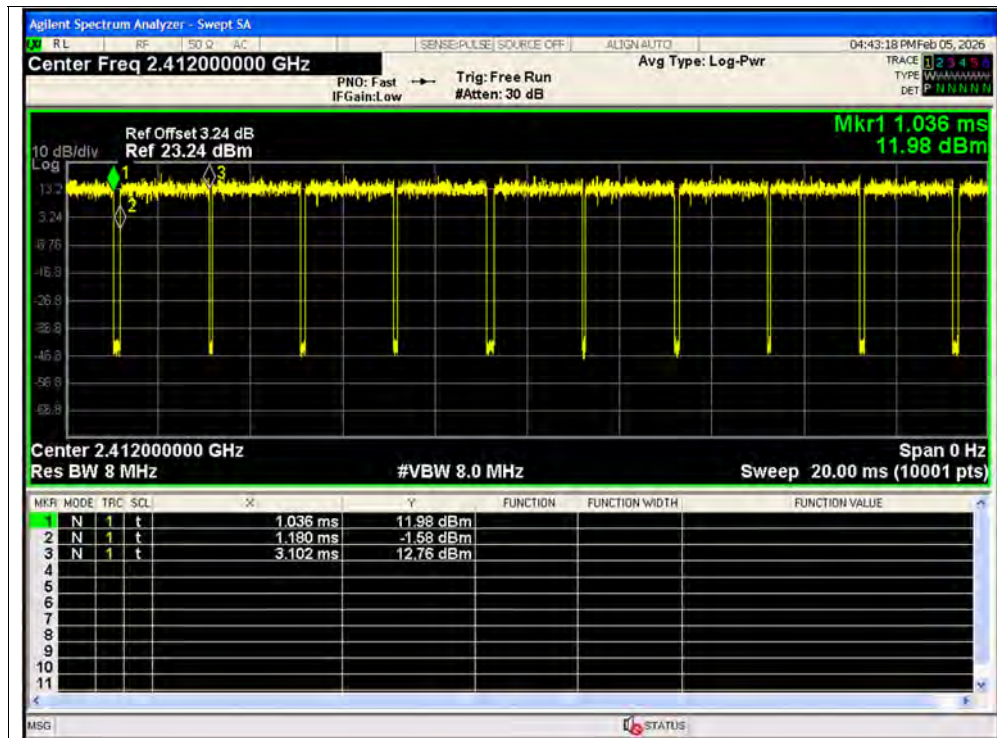
Duty Cycle NVNT g 2412MHz Ant1



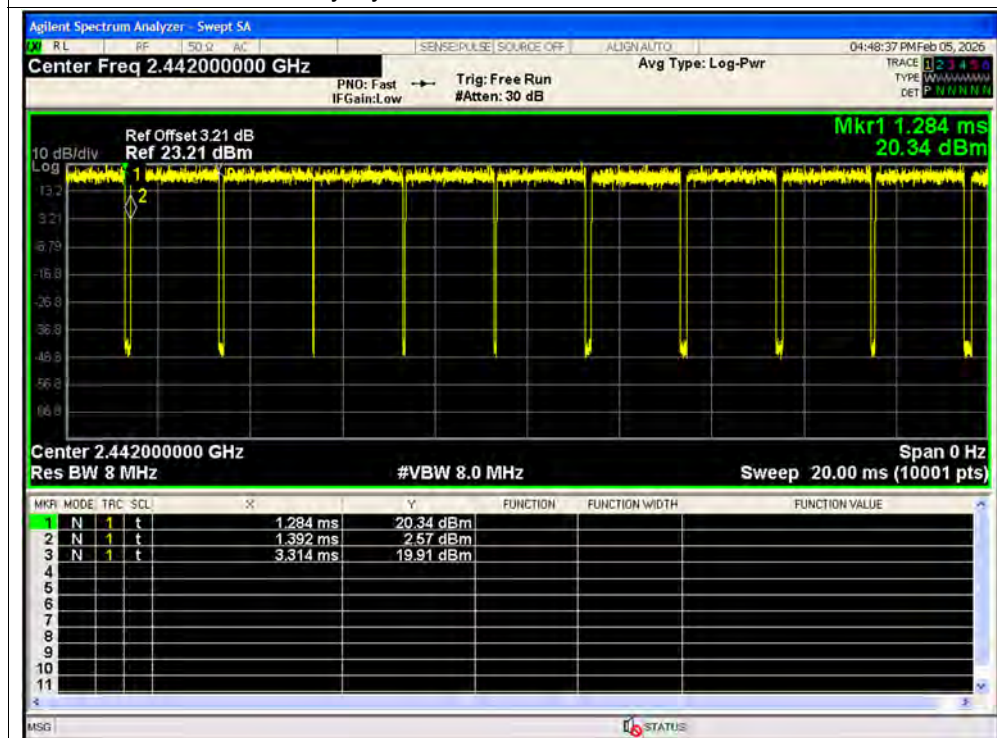
Duty Cycle NVNT g 2442MHz Ant1



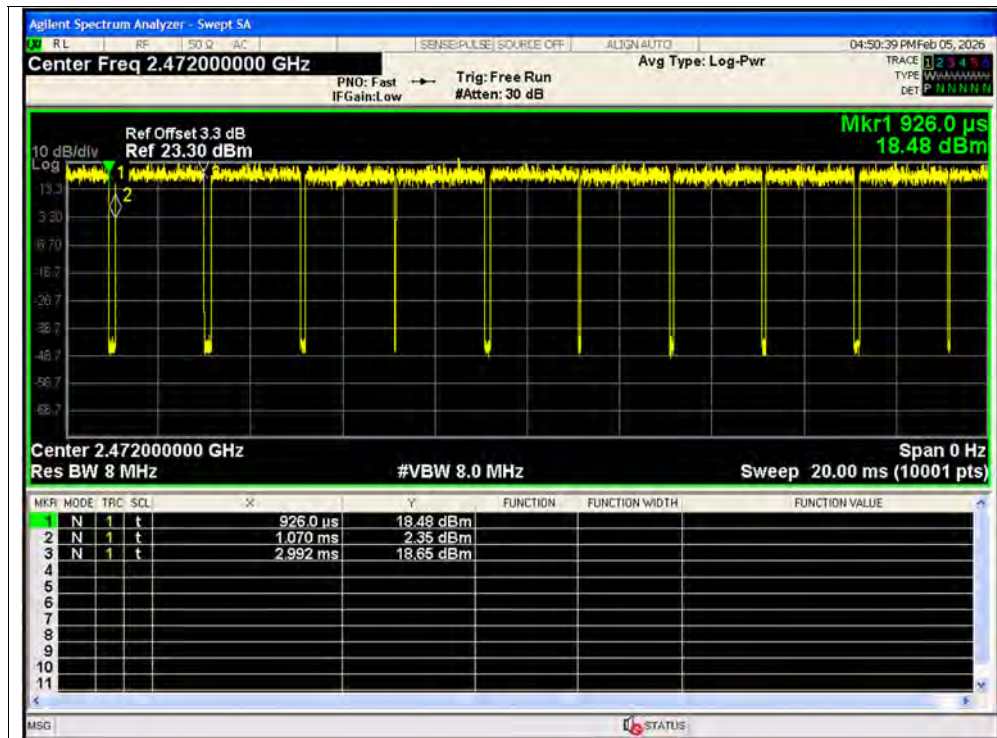
Duty Cycle NVNT g 2472MHz Ant1



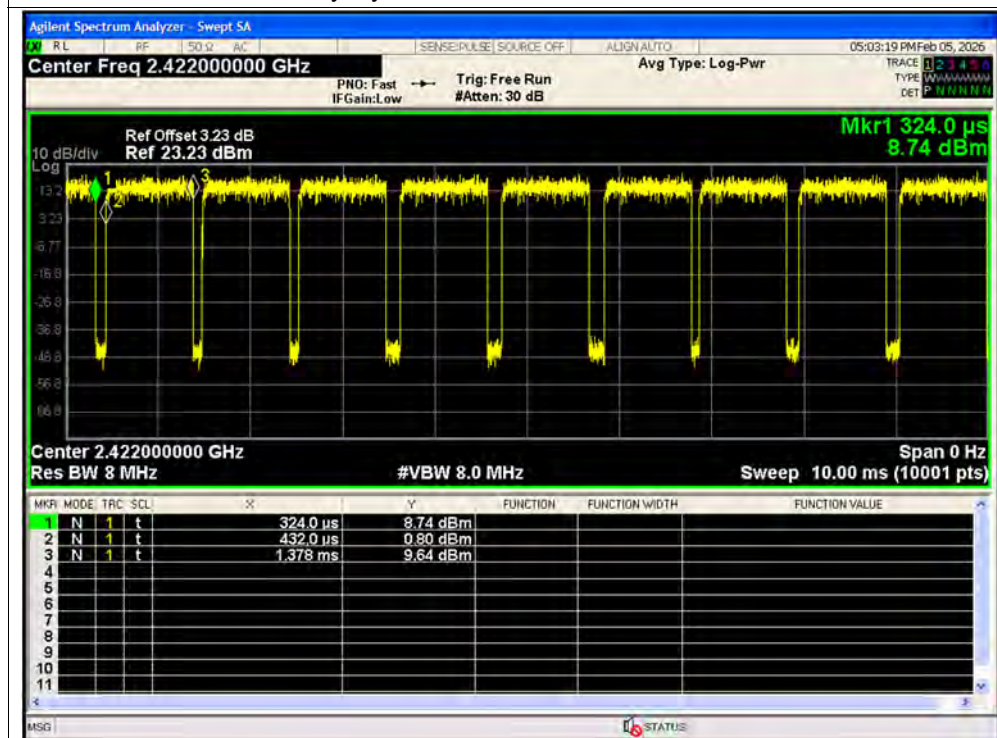
Duty Cycle NVNT n20 2412MHz Ant1



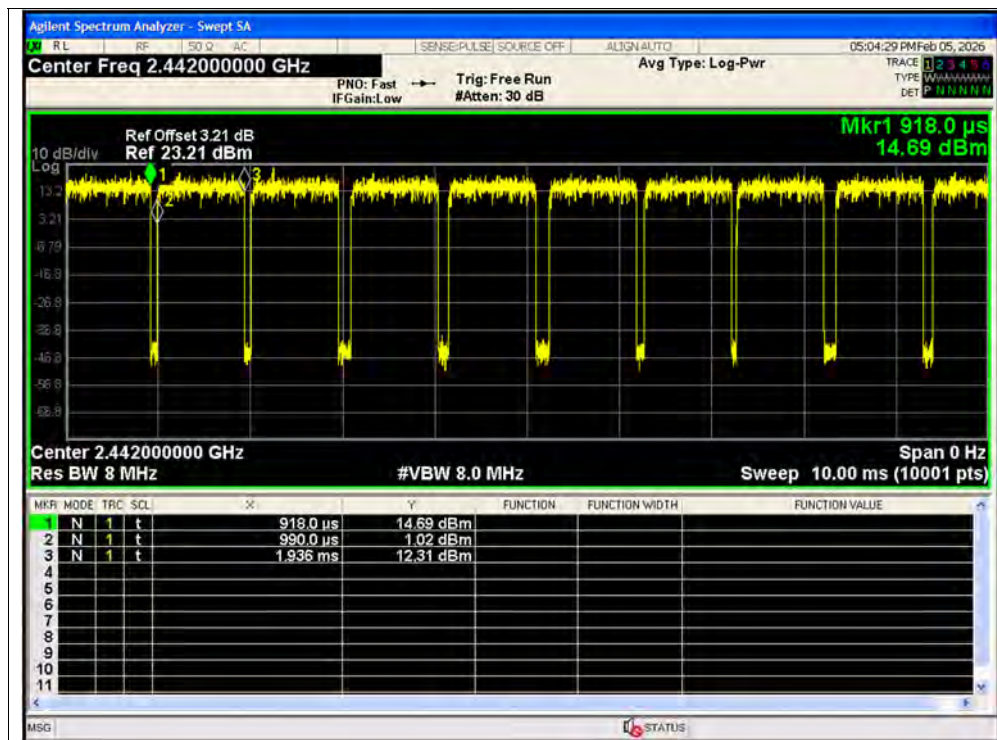
Duty Cycle NVNT n20 2442MHz Ant1



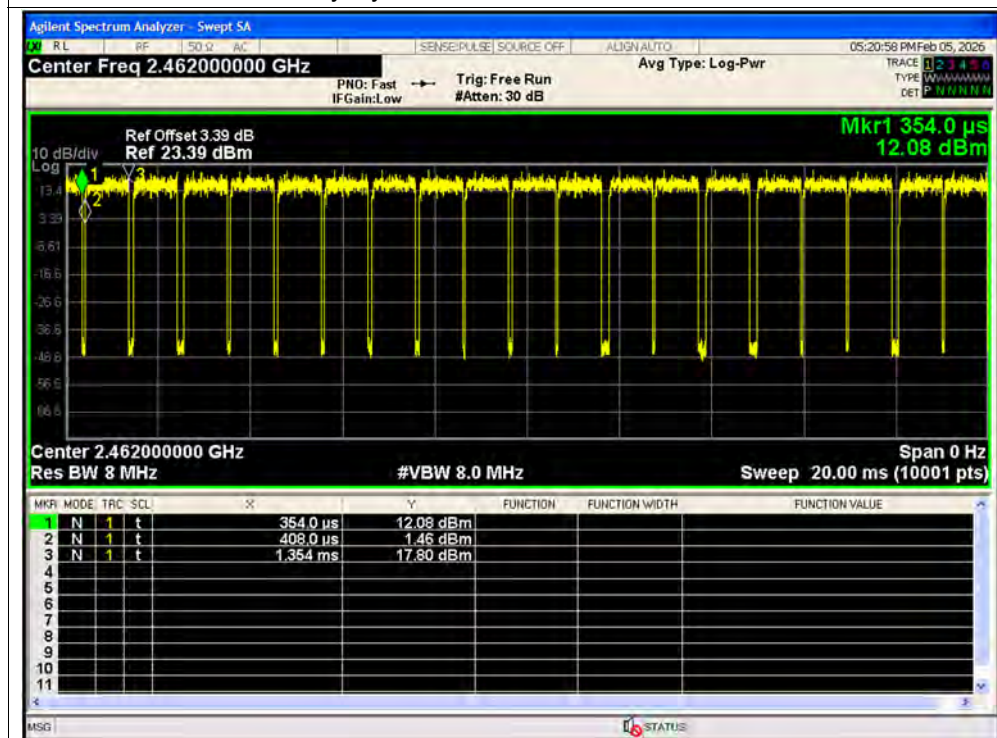
Duty Cycle NVNT n20 2472MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



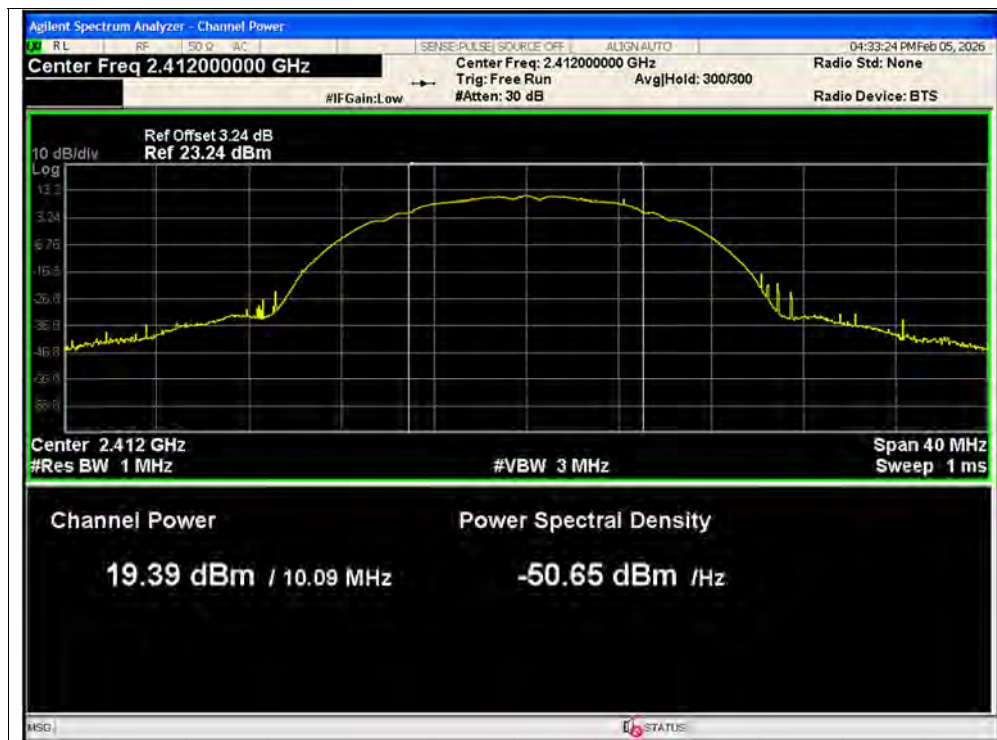
Duty Cycle NVNT n40 2442MHz Ant1



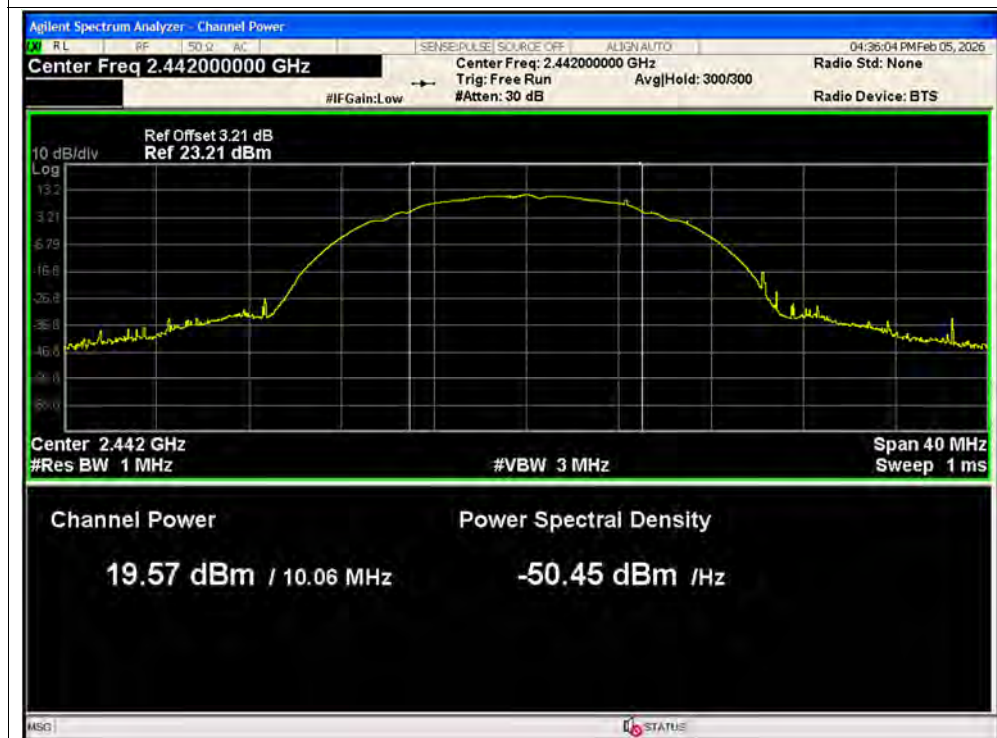
Duty Cycle NVNT n40 2462MHz Ant1

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

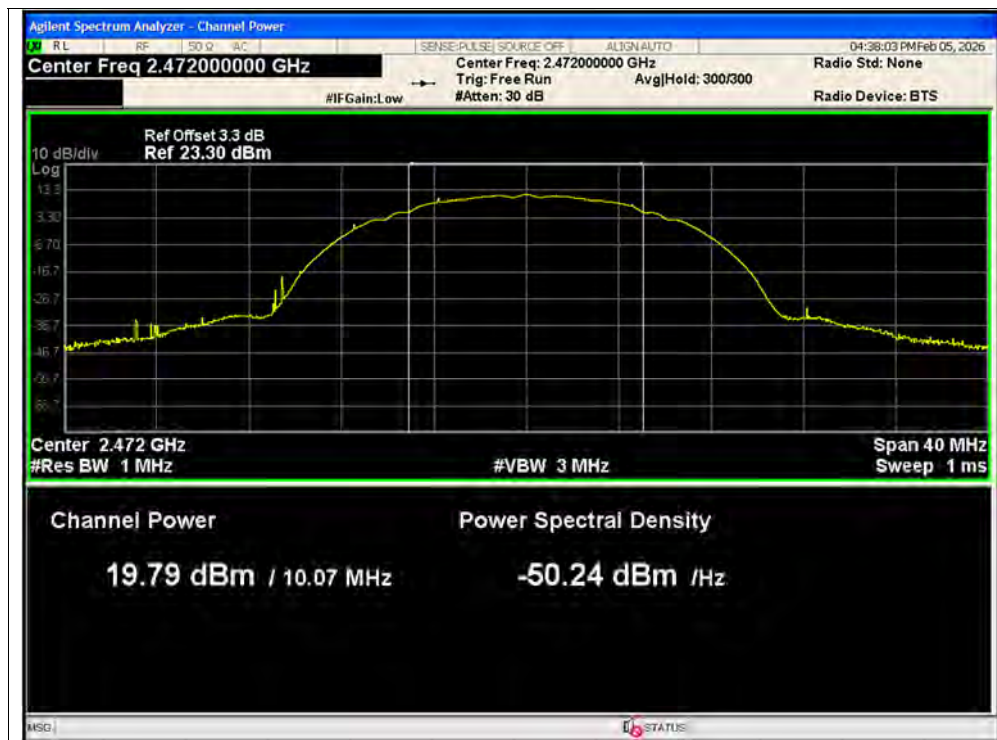
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	19.39	0	19.39	0.0869	30	Pass
NVNT	b	2442	Ant1	19.57	0	19.57	0.09057	30	Pass
NVNT	b	2472	Ant1	19.79	0	19.79	0.09528	30	Pass
NVNT	g	2412	Ant1	20.28	0	20.28	0.10666	30	Pass
NVNT	g	2442	Ant1	24.3	0	24.3	0.26915	30	Pass
NVNT	g	2472	Ant1	24.56	0	24.56	0.28576	30	Pass
NVNT	n20	2412	Ant1	23.65	0	23.65	0.23174	30	Pass
NVNT	n20	2442	Ant1	23.9	0	23.9	0.24547	30	Pass
NVNT	n20	2472	Ant1	24.06	0	24.06	0.25468	30	Pass
NVNT	n40	2422	Ant1	23.9	0	23.9	0.24547	30	Pass
NVNT	n40	2442	Ant1	23.99	0	23.99	0.25061	30	Pass
NVNT	n40	2462	Ant1	24.3	0	24.3	0.26915	30	Pass



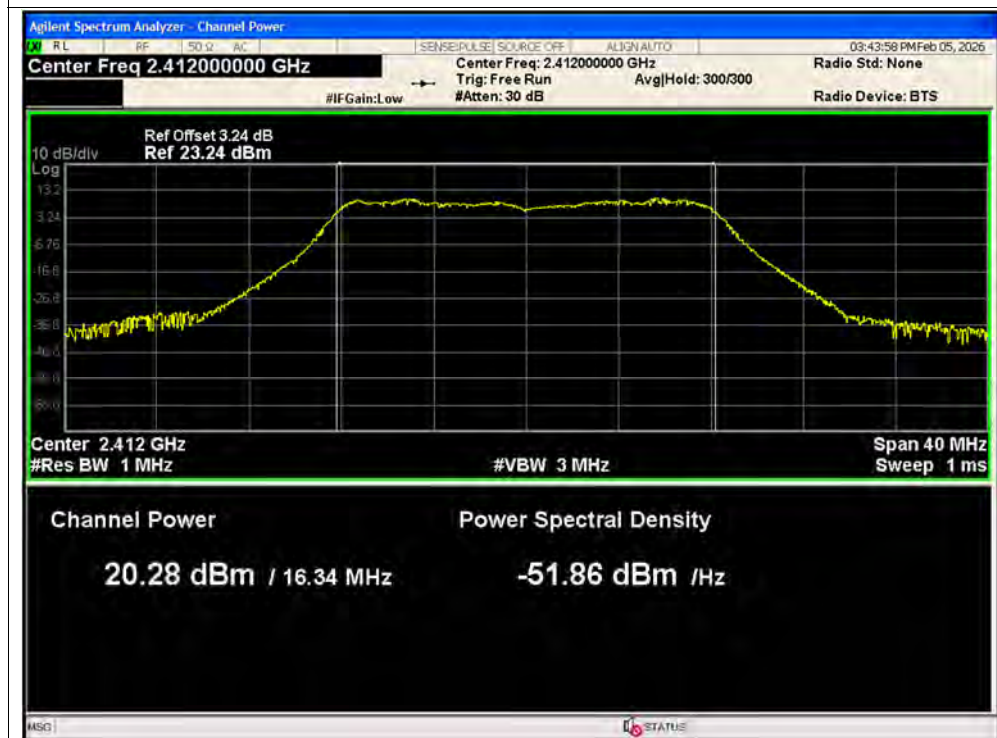
Peak Power NVNT b 2412MHz Ant1



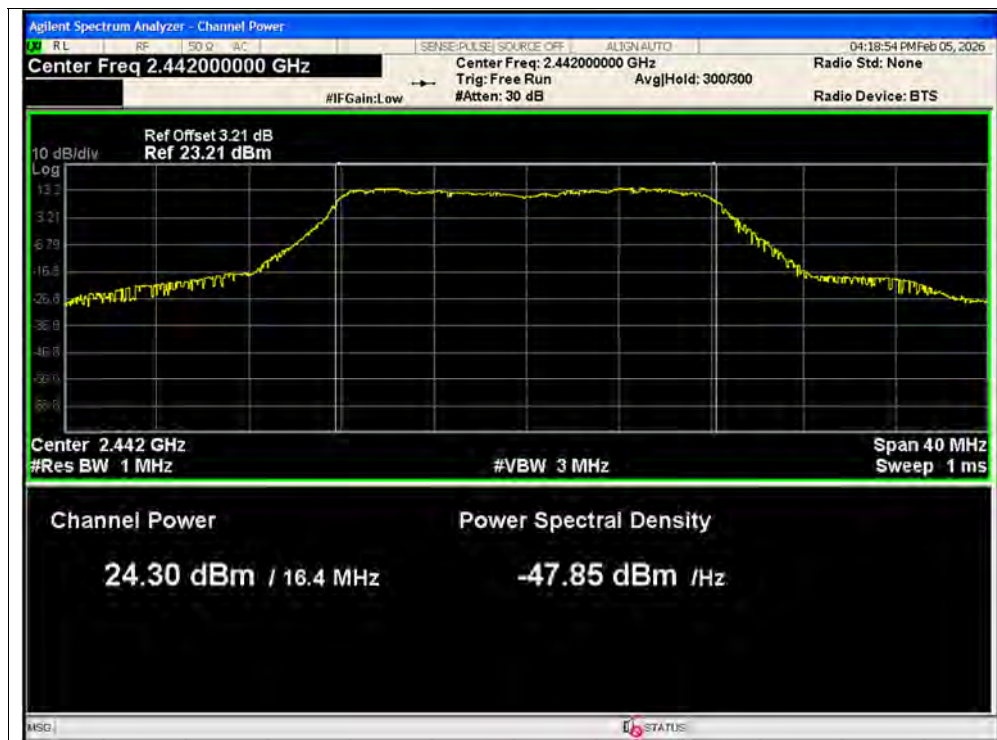
Peak Power NVNT b 2442MHz Ant1



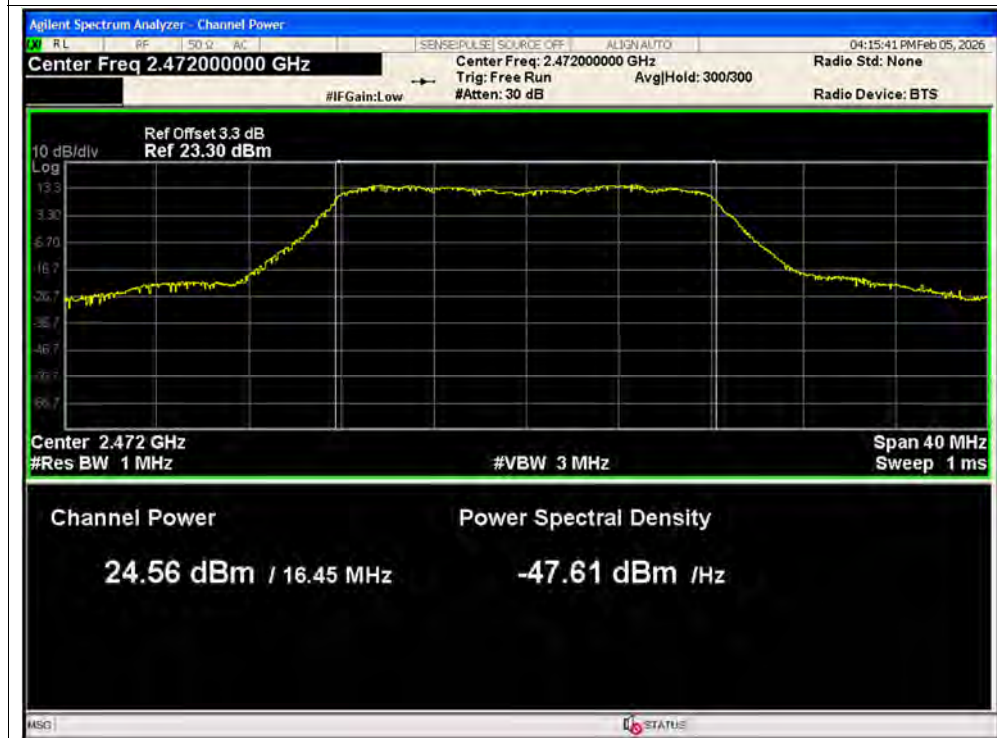
Peak Power NVNT b 2472MHz Ant1



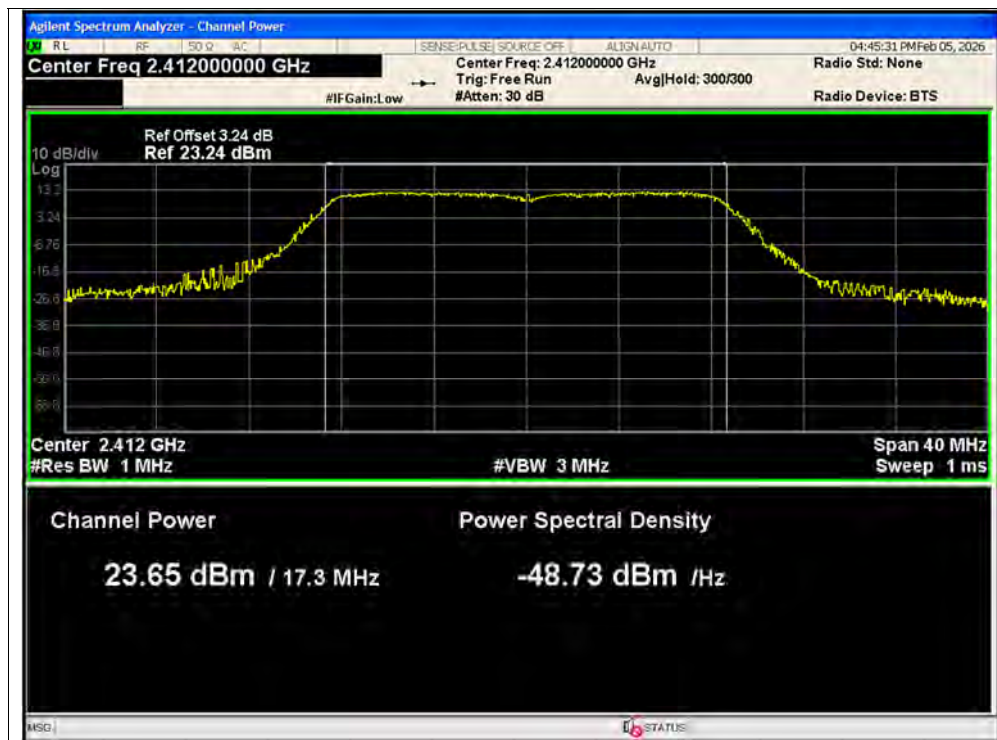
Peak Power NVNT g 2412MHz Ant1



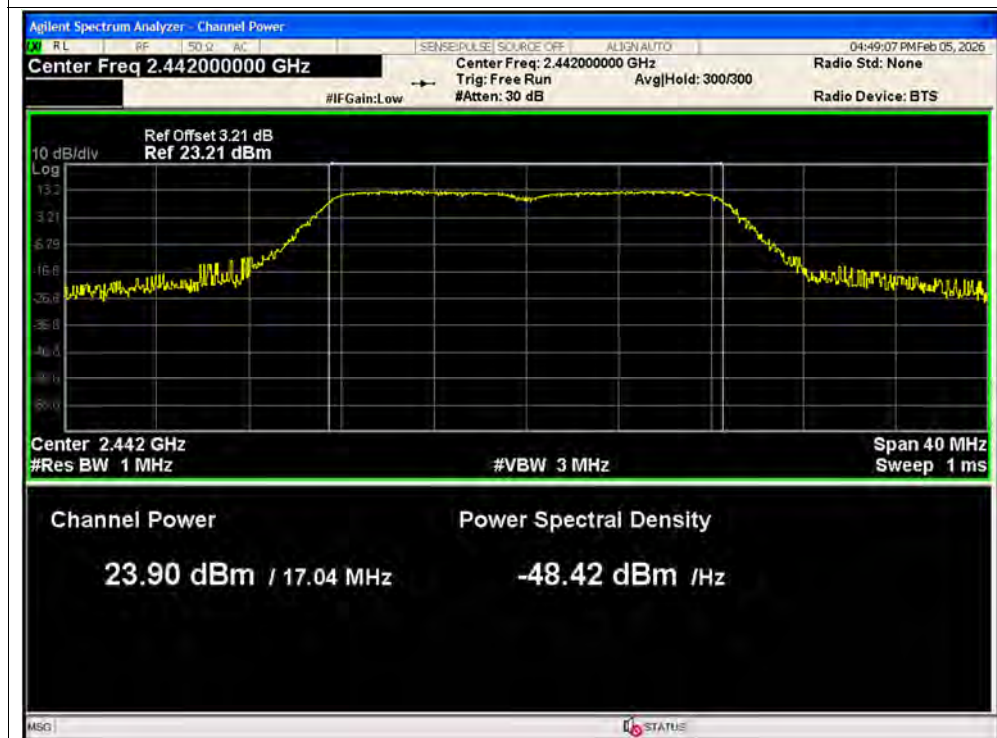
Peak Power NVNT g 2442MHz Ant1



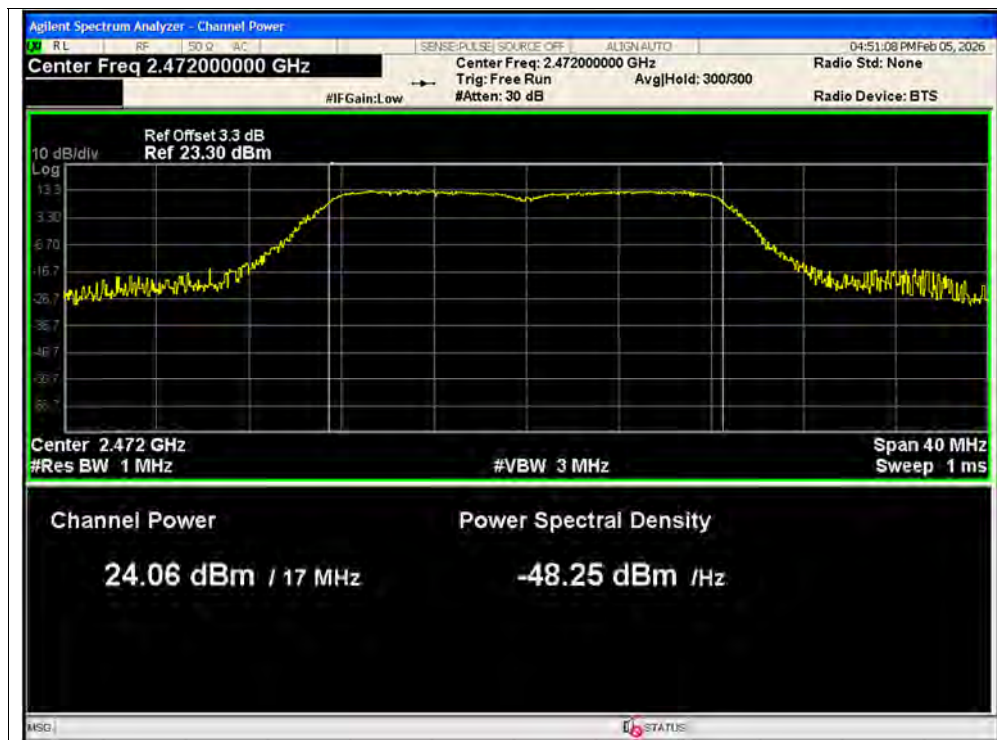
Peak Power NVNT g 2472MHz Ant1



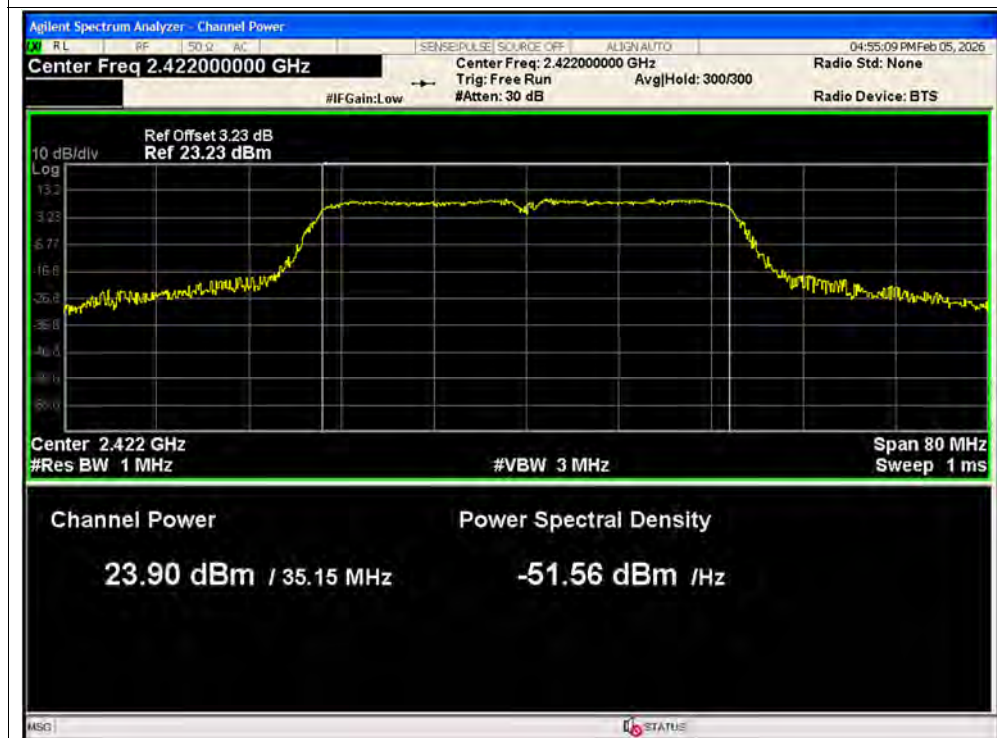
Peak Power NVNT n20 2412MHz Ant1



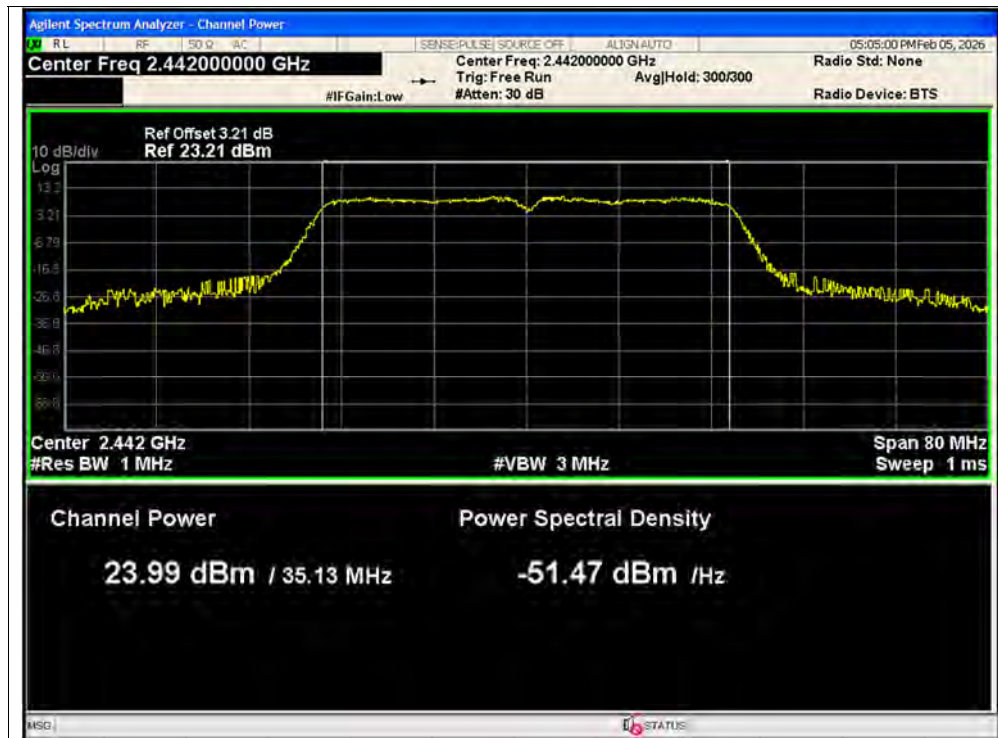
Peak Power NVNT n20 2442MHz Ant1



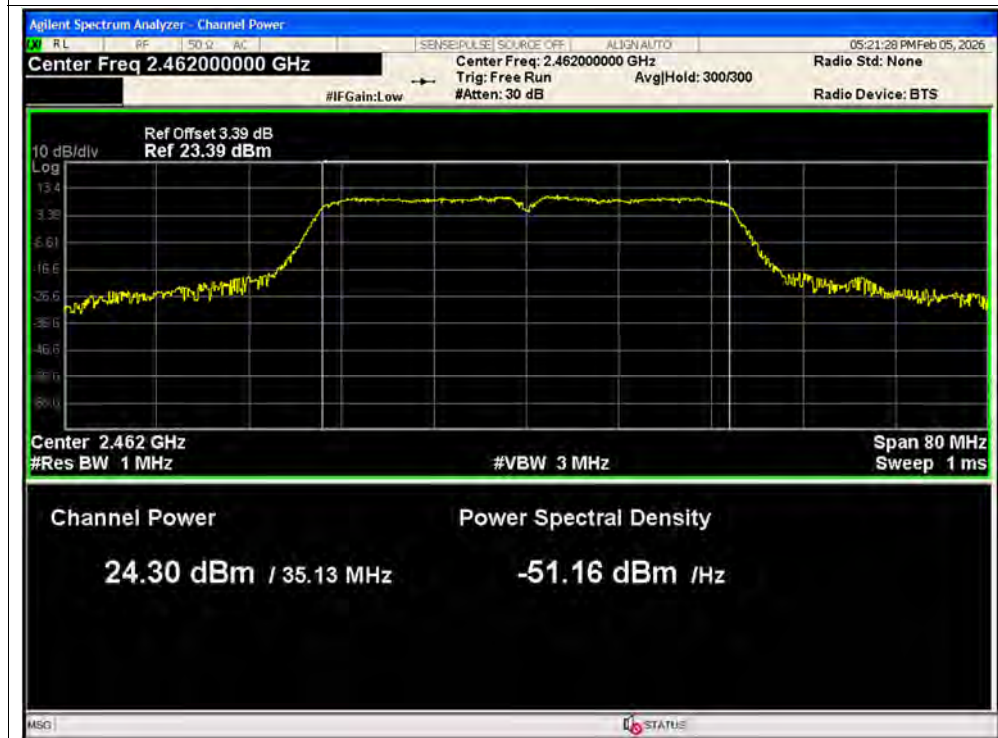
Peak Power NVNT n20 2472MHz Ant1



Peak Power NVNT n40 2422MHz Ant1



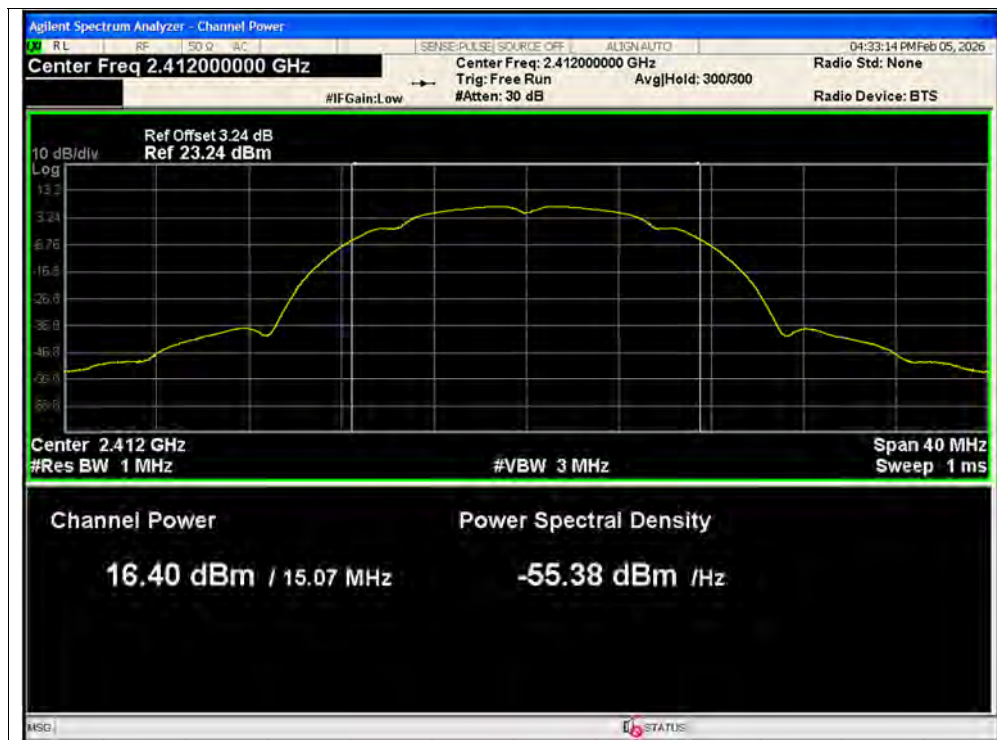
Peak Power NVNT n40 2442MHz Ant1



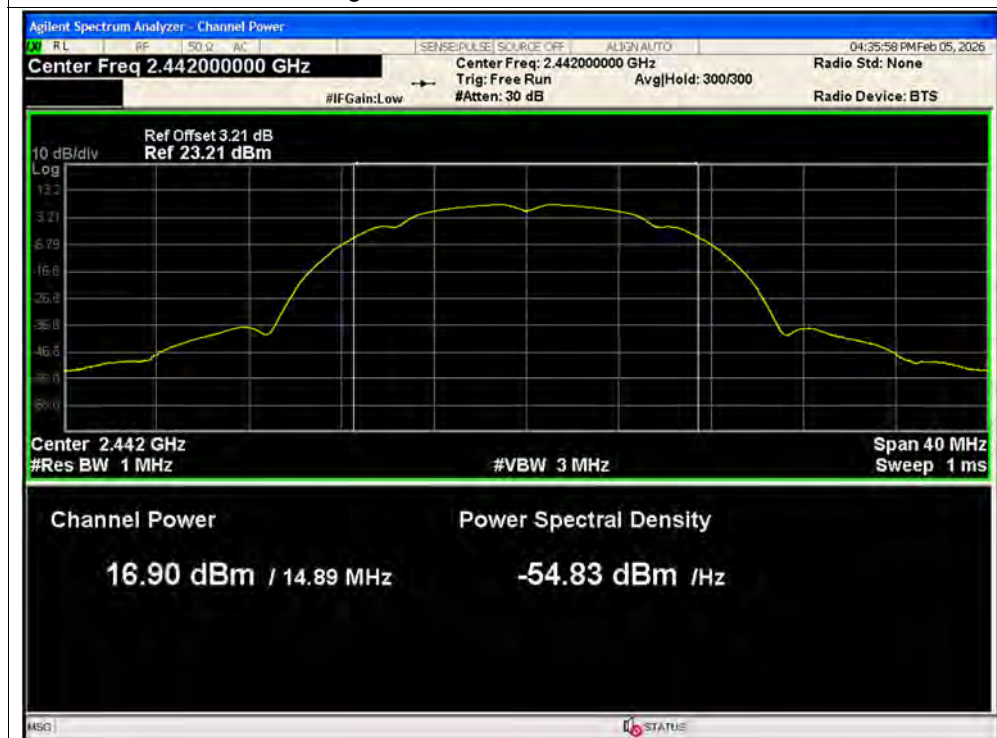
Peak Power NVNT n40 2462MHz Ant1

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

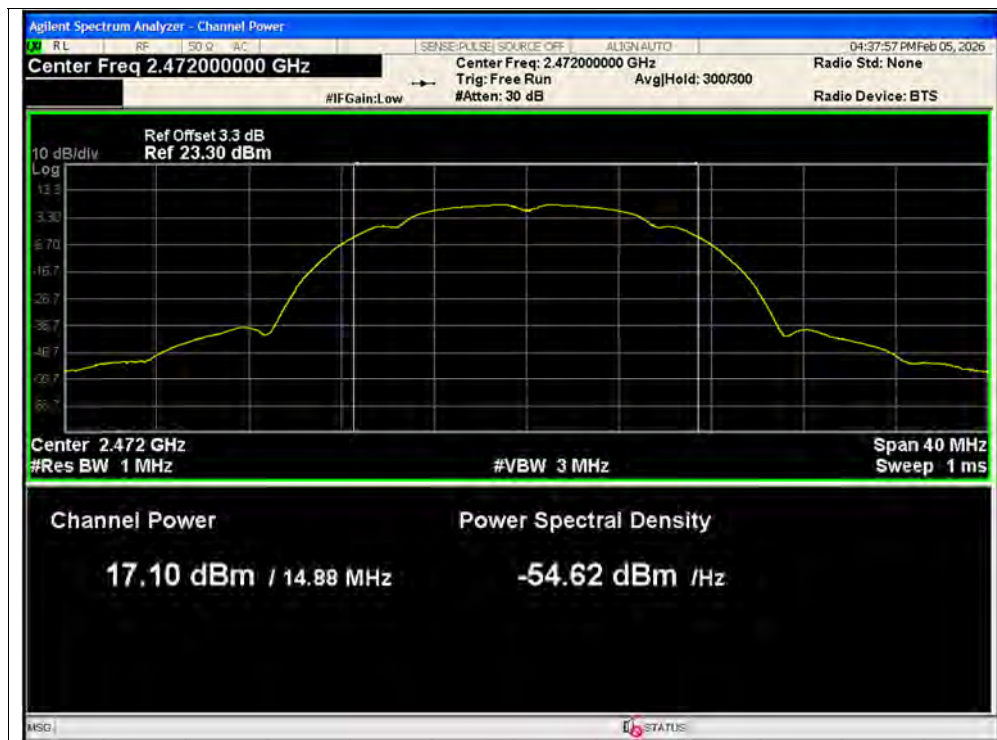
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	16.4	0.02	16.42	0.04385	30	Pass
NVNT	b	2442	Ant1	16.9	0.05	16.95	0.04955	30	Pass
NVNT	b	2472	Ant1	17.1	0.03	17.13	0.05164	30	Pass
NVNT	g	2412	Ant1	14.91	0.96	15.87	0.03864	30	Pass
NVNT	g	2442	Ant1	15.34	1.77	17.11	0.0514	30	Pass
NVNT	g	2472	Ant1	15.27	1.67	16.94	0.04943	30	Pass
NVNT	n20	2412	Ant1	15.71	0.31	16.02	0.03999	30	Pass
NVNT	n20	2442	Ant1	16.11	0.24	16.35	0.04315	30	Pass
NVNT	n20	2472	Ant1	16.28	0.31	16.59	0.0456	30	Pass
NVNT	n40	2422	Ant1	15.9	0.47	16.37	0.04335	30	Pass
NVNT	n40	2442	Ant1	15.59	0.32	15.91	0.03899	30	Pass
NVNT	n40	2462	Ant1	16.21	0.24	16.45	0.04416	30	Pass



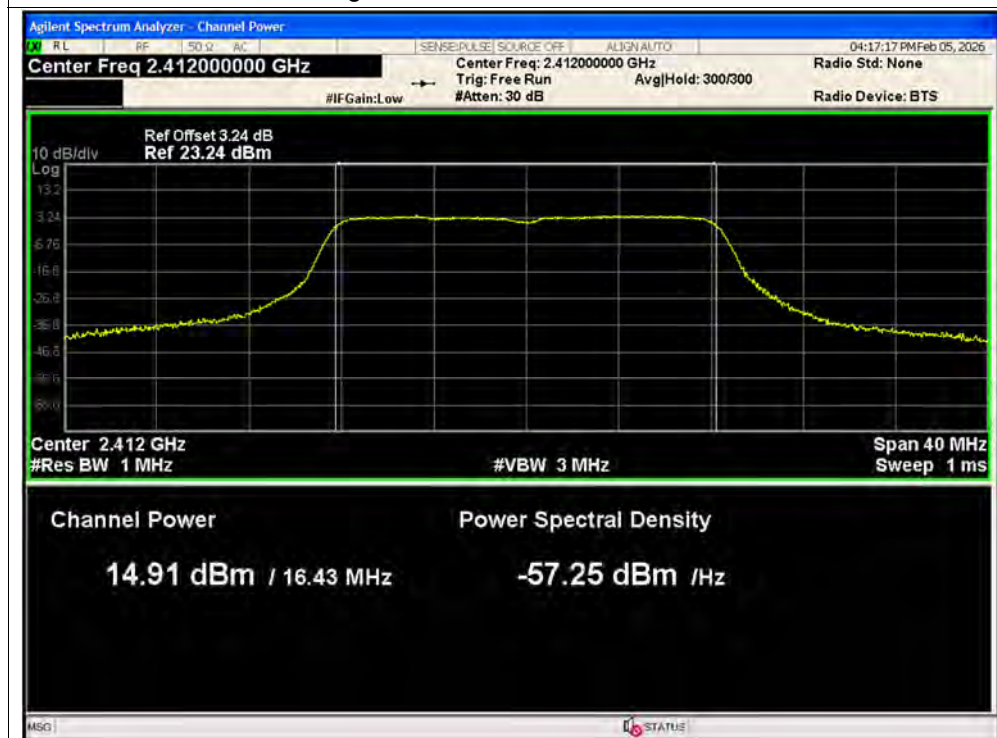
Average Power NVNT b 2412MHz Ant1



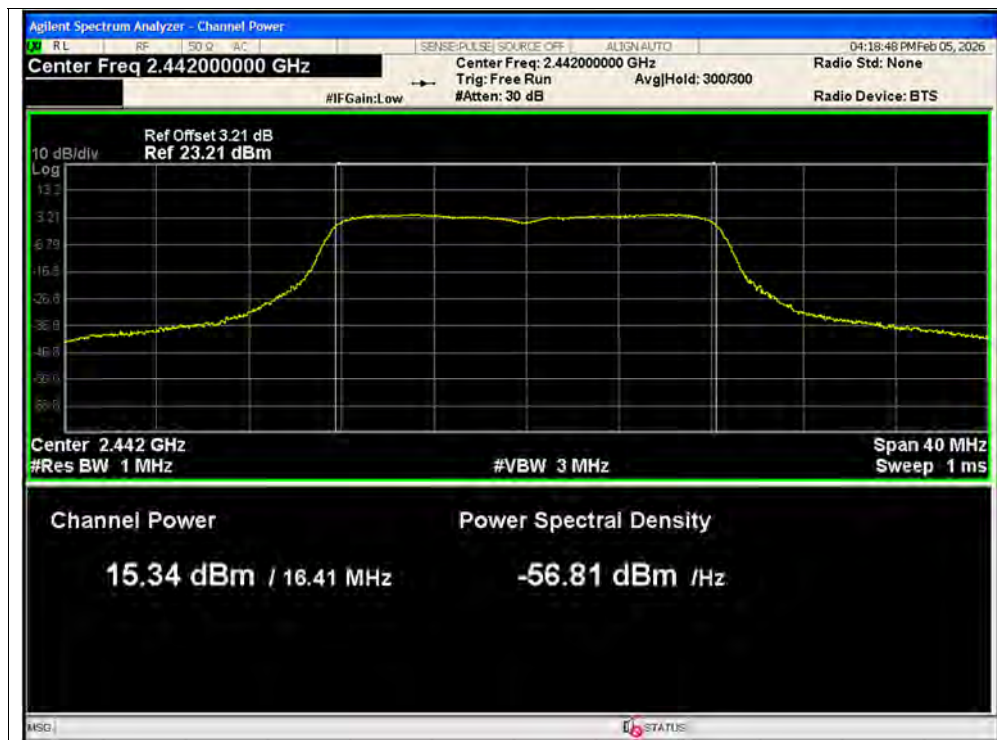
Average Power NVNT b 2442MHz Ant1



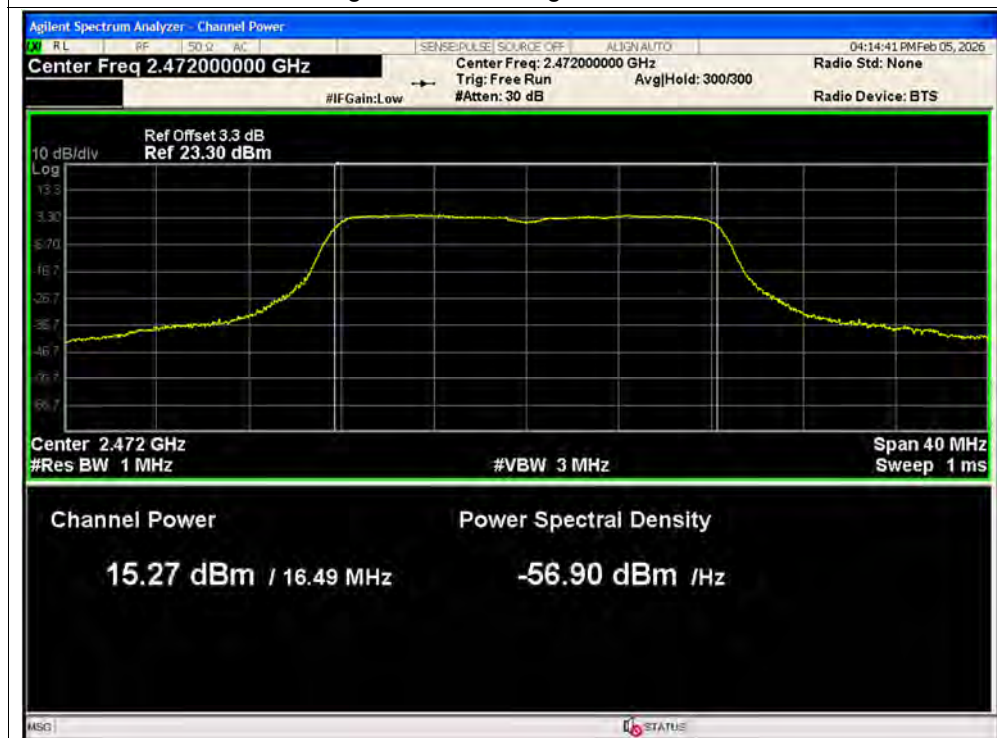
Average Power NVNT b 2472MHz Ant1



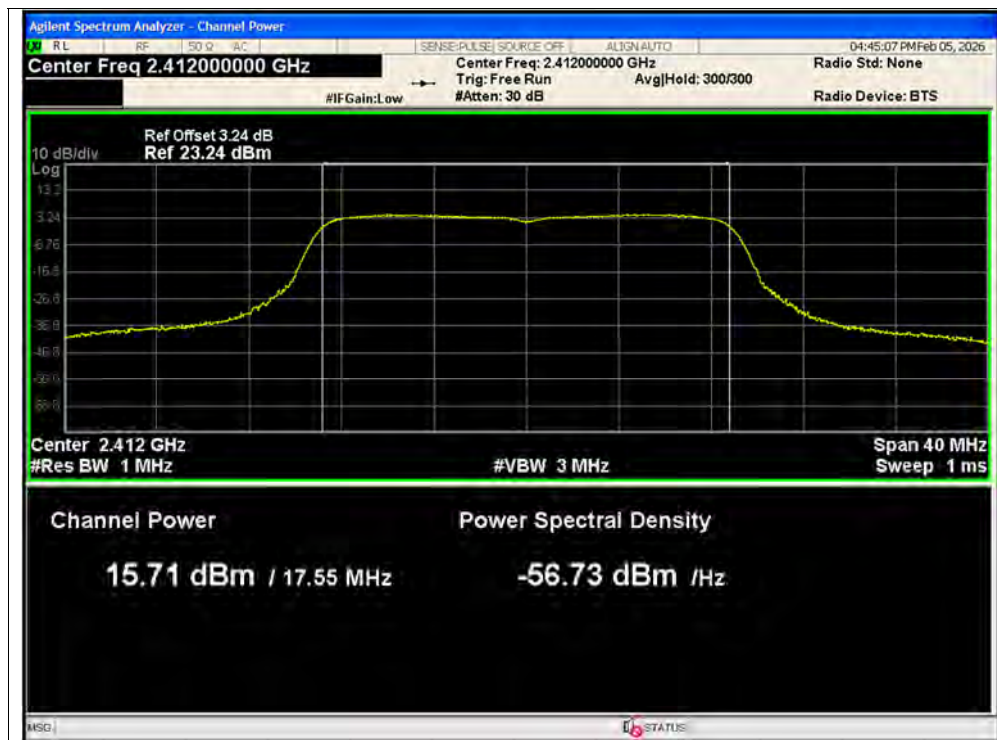
Average Power NVNT g 2412MHz Ant1



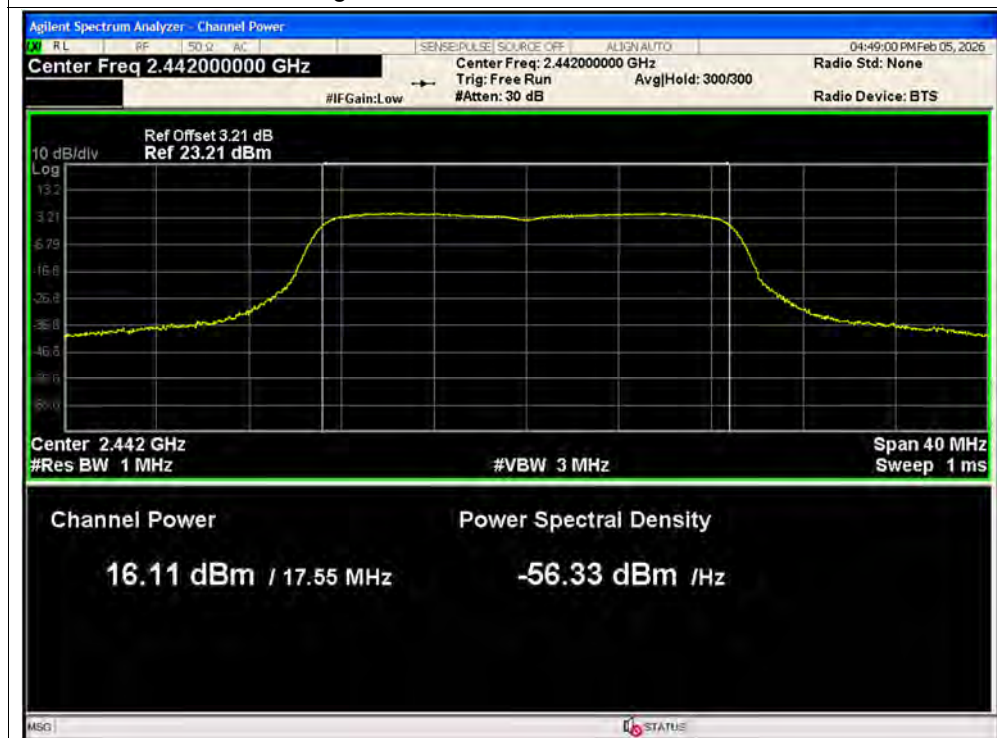
Average Power NVNT g 2442MHz Ant1



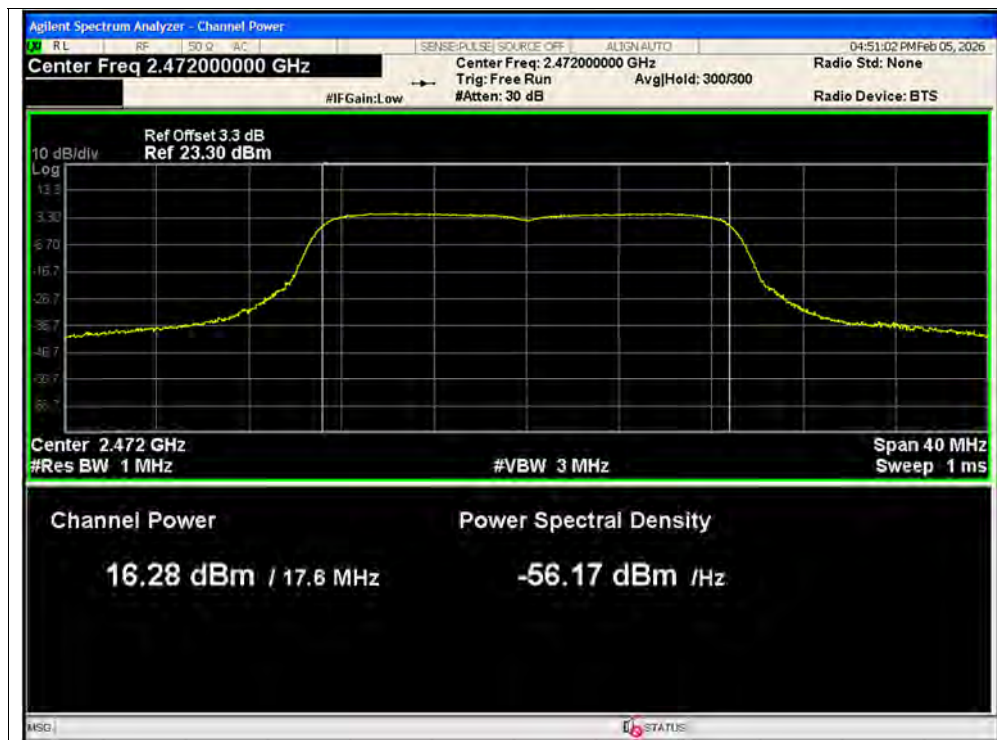
Average Power NVNT g 2472MHz Ant1



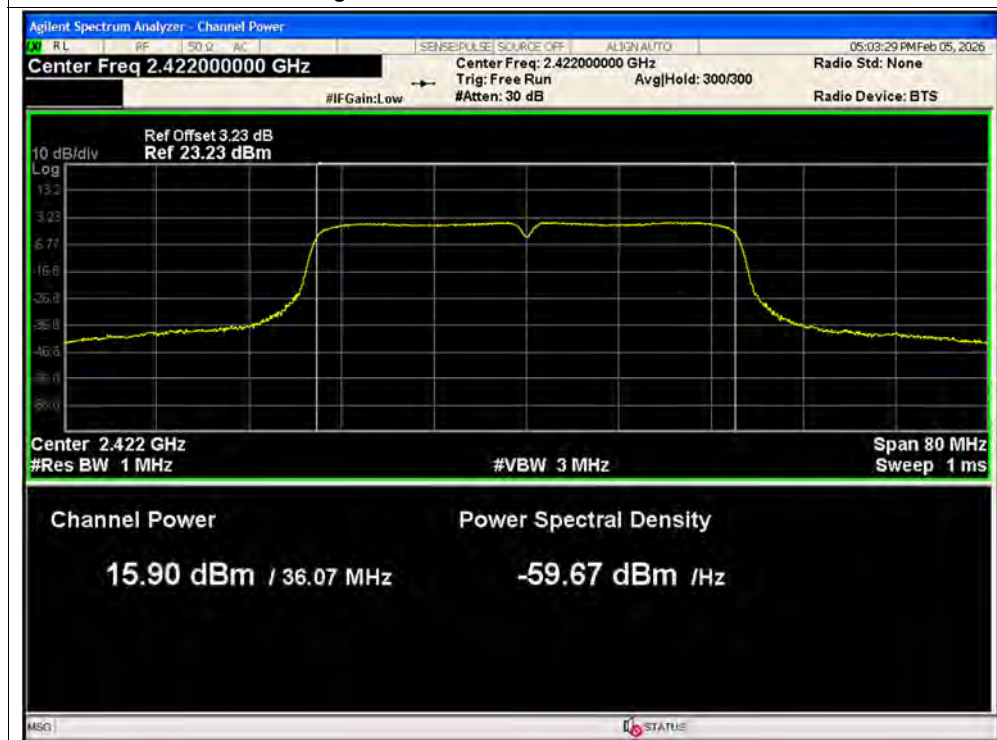
Average Power NVNT n20 2412MHz Ant1



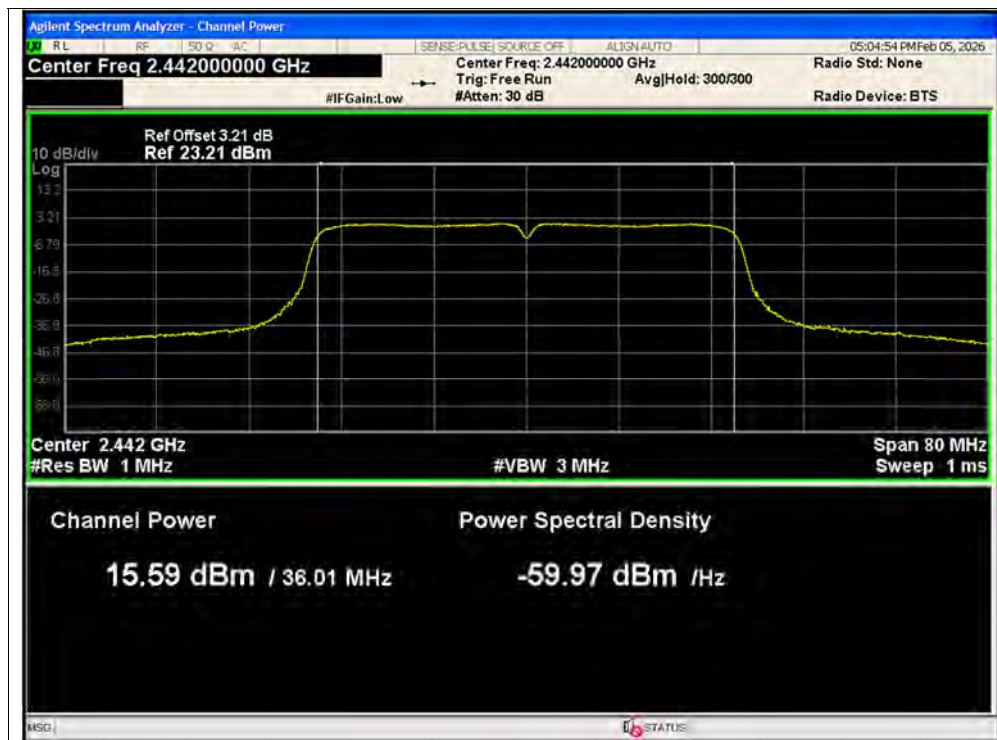
Average Power NVNT n20 2442MHz Ant1



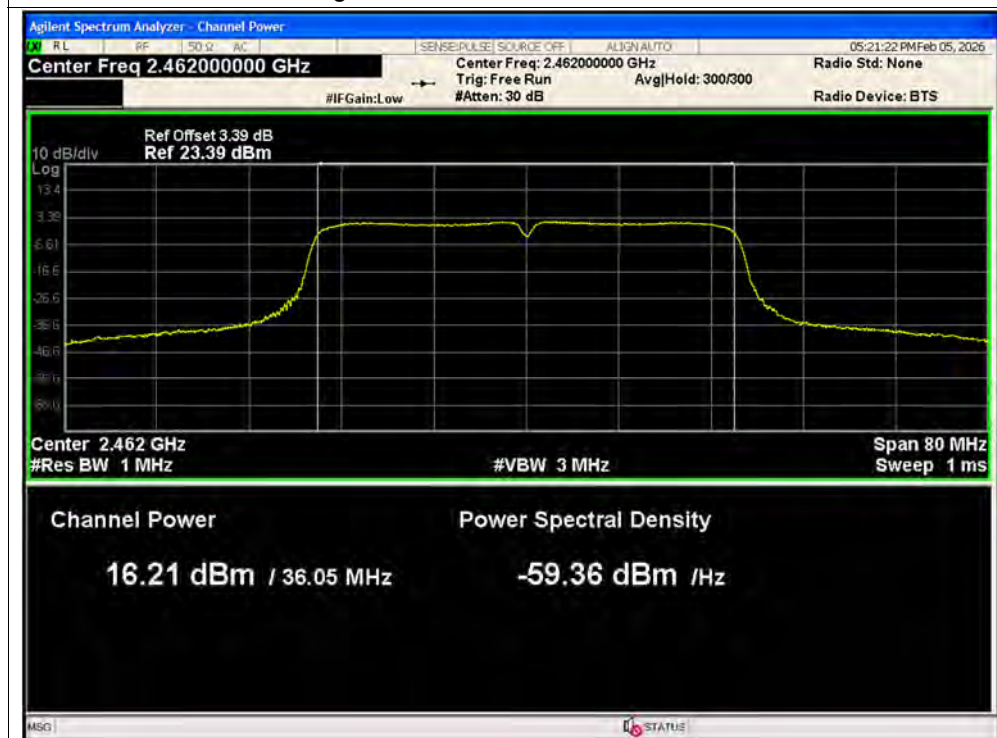
Average Power NVNT n20 2472MHz Ant1



Average Power NVNT n40 2422MHz Ant1



Average Power NVNT n40 2442MHz Ant1



Average Power NVNT n40 2462MHz Ant1

**A.4. 6 dB Bandwidth**

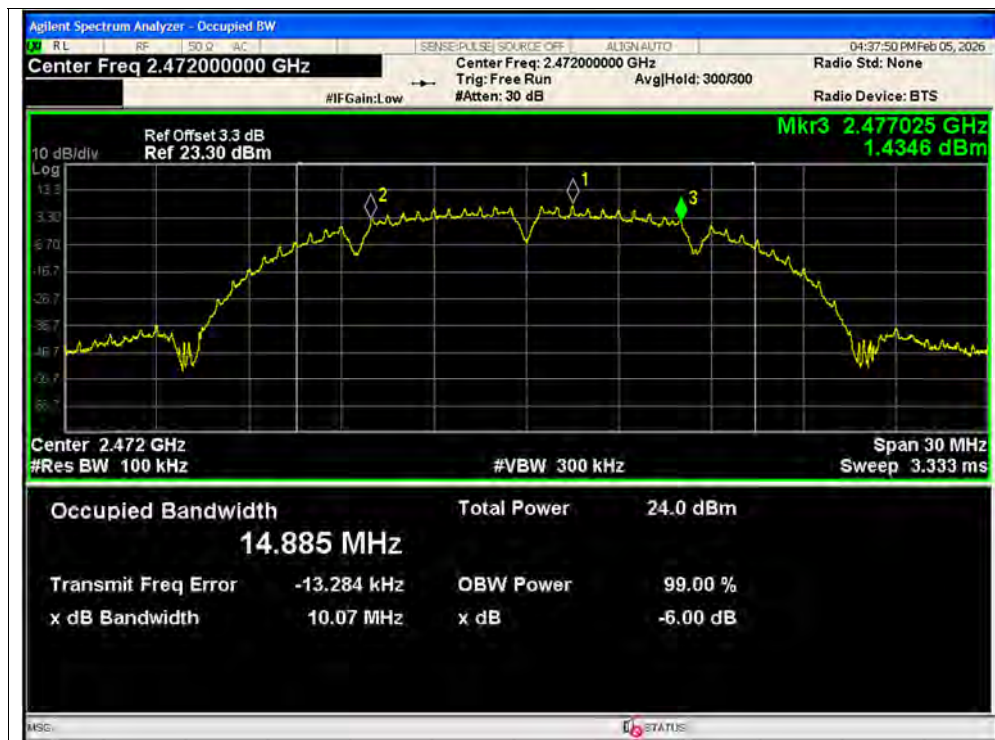
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.09	0.5	Pass
NVNT	b	2442	Ant1	10.06	0.5	Pass
NVNT	b	2472	Ant1	10.07	0.5	Pass
NVNT	g	2412	Ant1	16.33	0.5	Pass
NVNT	g	2442	Ant1	16.4	0.5	Pass
NVNT	g	2472	Ant1	16.45	0.5	Pass
NVNT	n20	2412	Ant1	17.3	0.5	Pass
NVNT	n20	2442	Ant1	17.04	0.5	Pass
NVNT	n20	2472	Ant1	17	0.5	Pass
NVNT	n40	2422	Ant1	35.15	0.5	Pass
NVNT	n40	2442	Ant1	35.13	0.5	Pass
NVNT	n40	2462	Ant1	35.13	0.5	Pass



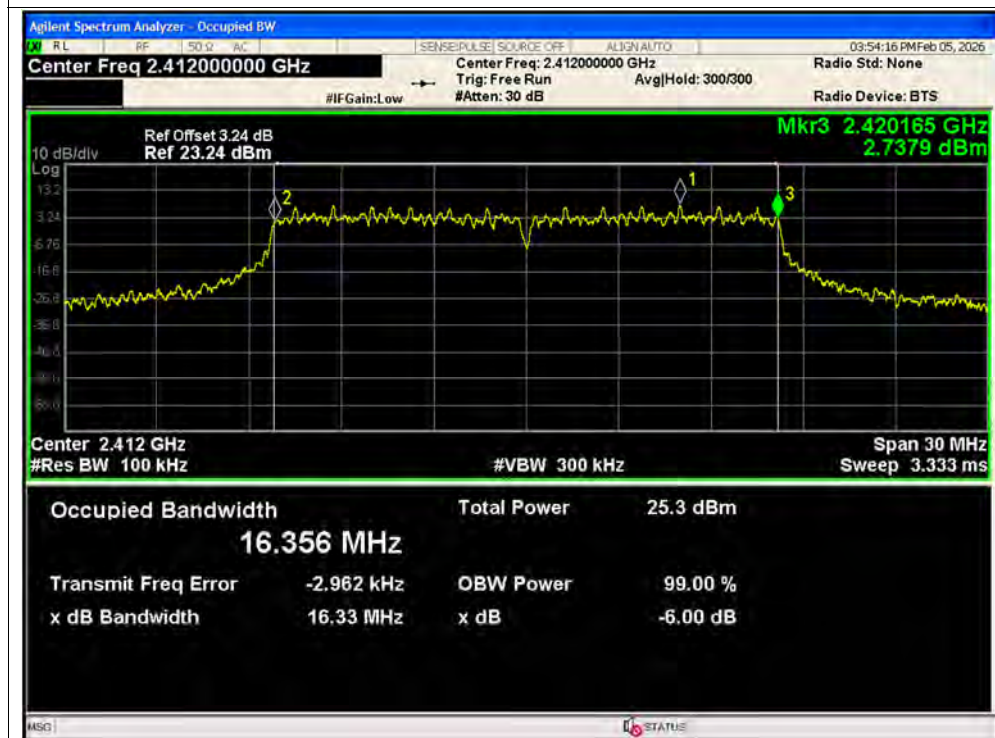
-6dB Bandwidth NVNT b 2412MHz Ant1



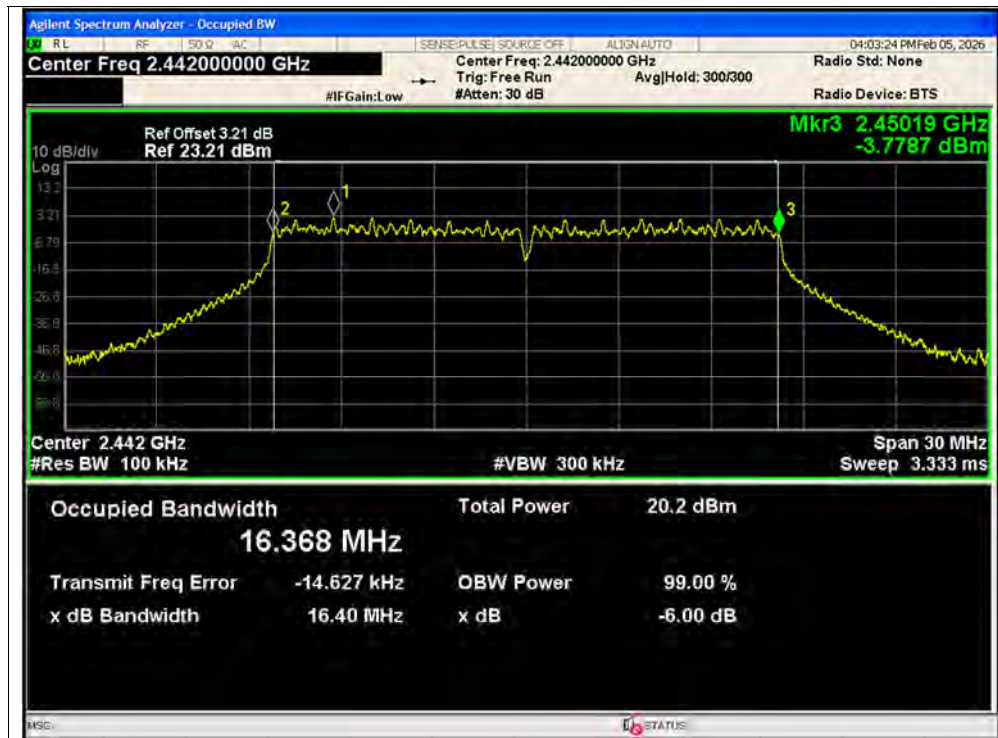
-6dB Bandwidth NVNT b 2442MHz Ant1



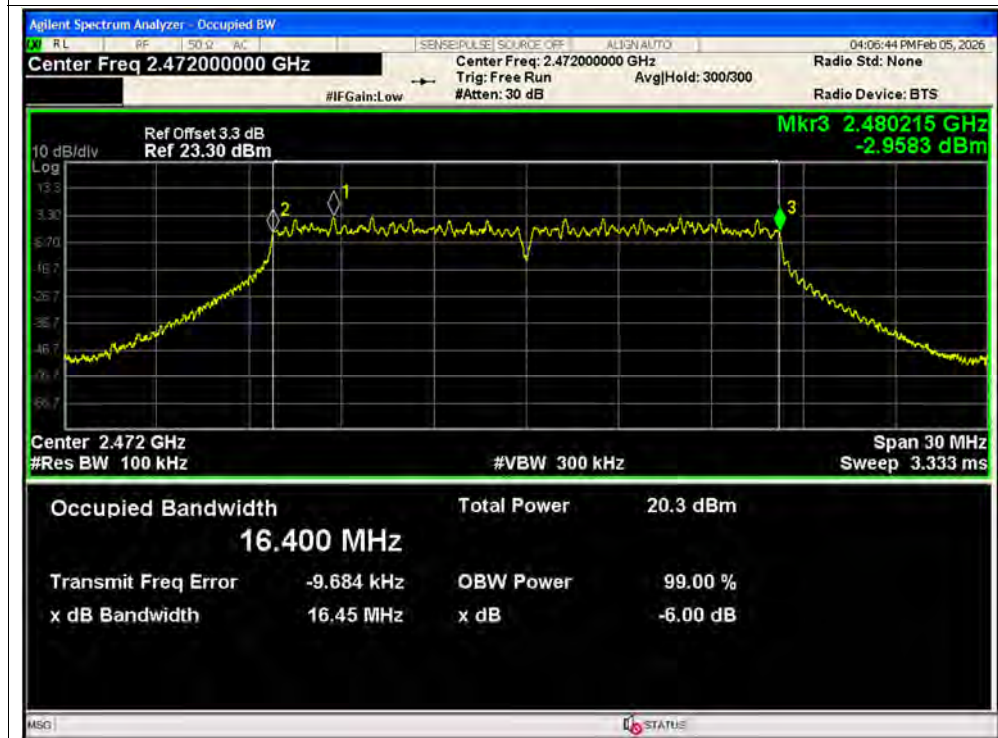
-6dB Bandwidth NVNT b 2472MHz Ant1



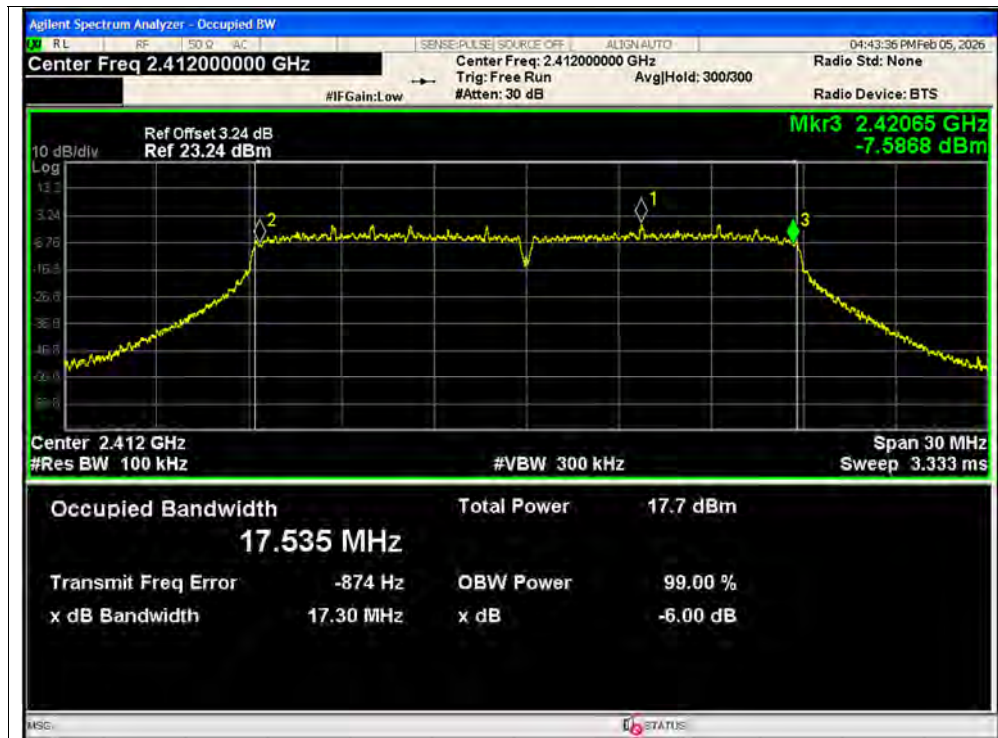
-6dB Bandwidth NVNT g 2412MHz Ant1



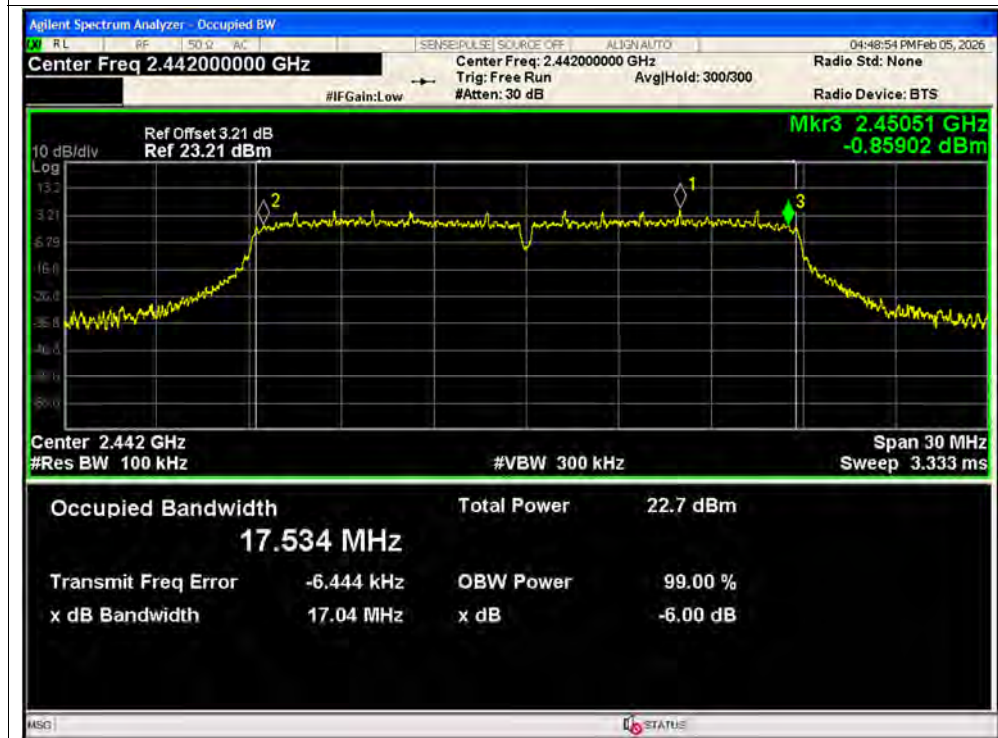
-6dB Bandwidth NVNT g 2442MHz Ant1



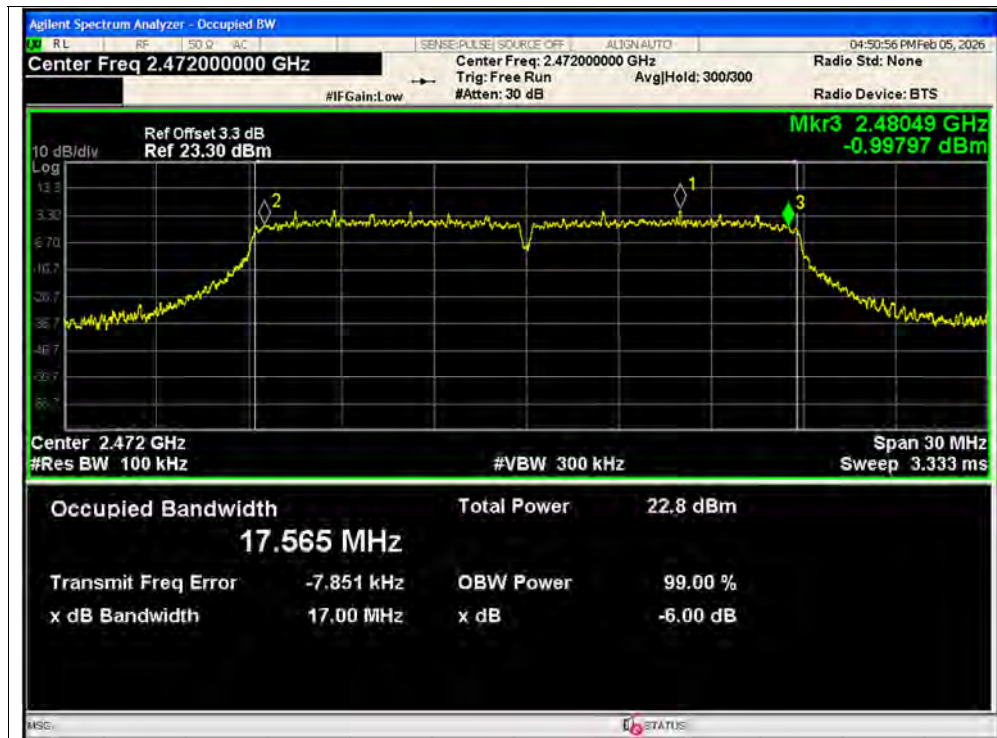
-6dB Bandwidth NVNT g 2472MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



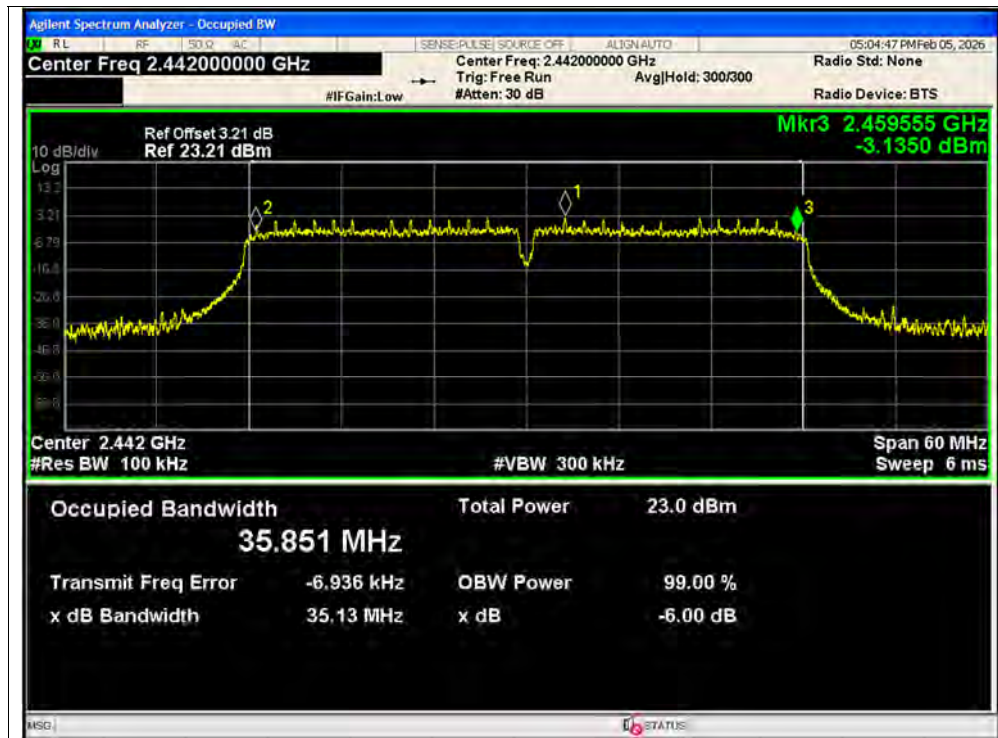
-6dB Bandwidth NVNT n20 2442MHz Ant1



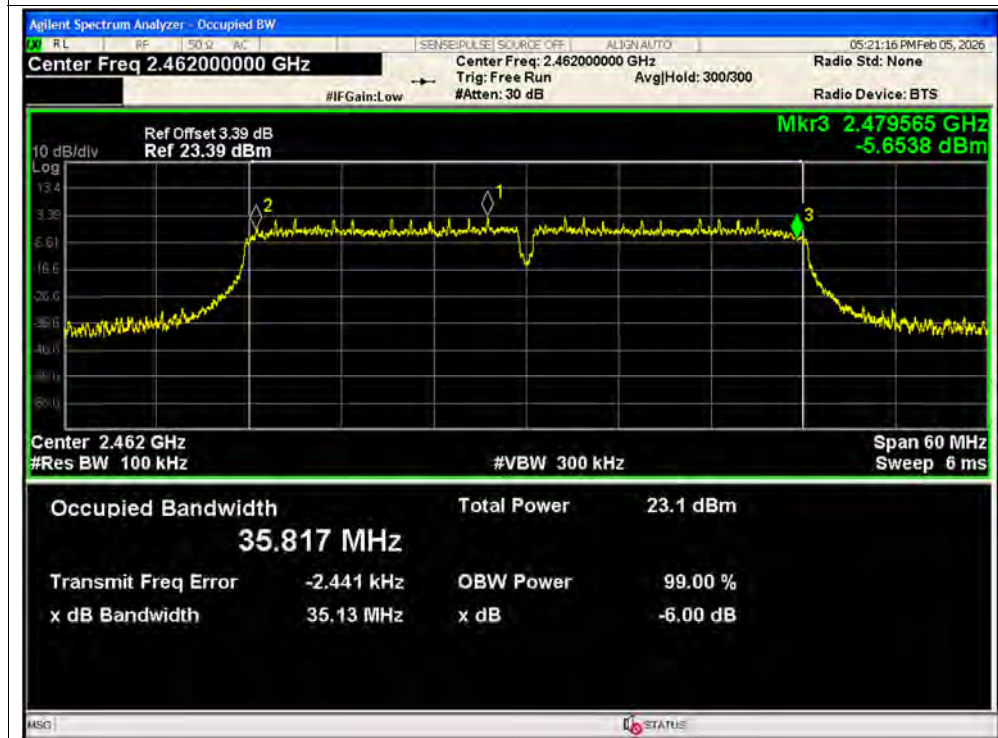
-6dB Bandwidth NVNT n20 2472MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2442MHz Ant1



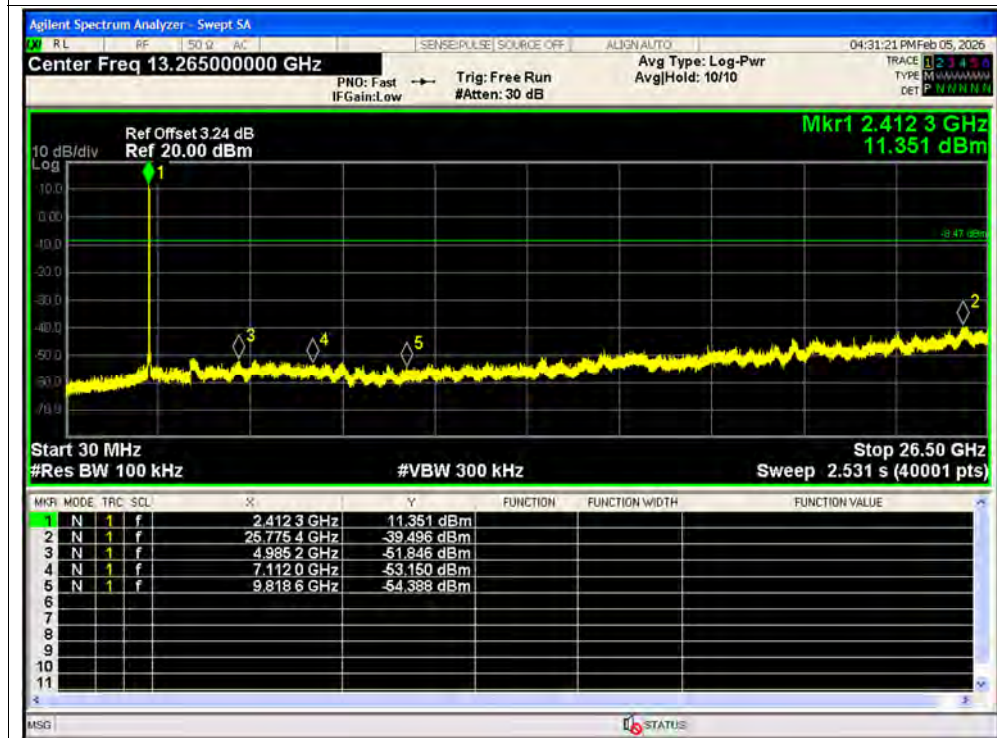
-6dB Bandwidth NVNT n40 2462MHz Ant1

**A.5. Conducted Spurious Emissions**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.03	-20	Pass
NVNT	b	2442	Ant1	-46.9	-20	Pass
NVNT	b	2472	Ant1	-47.72	-20	Pass
NVNT	g	2412	Ant1	-47.18	-20	Pass
NVNT	g	2442	Ant1	-41.83	-20	Pass
NVNT	g	2472	Ant1	-47.06	-20	Pass
NVNT	n20	2412	Ant1	-44.6	-20	Pass
NVNT	n20	2442	Ant1	-44.69	-20	Pass
NVNT	n20	2472	Ant1	-44.41	-20	Pass
NVNT	n40	2422	Ant1	-41.45	-20	Pass
NVNT	n40	2442	Ant1	-42.12	-20	Pass
NVNT	n40	2462	Ant1	-41.8	-20	Pass



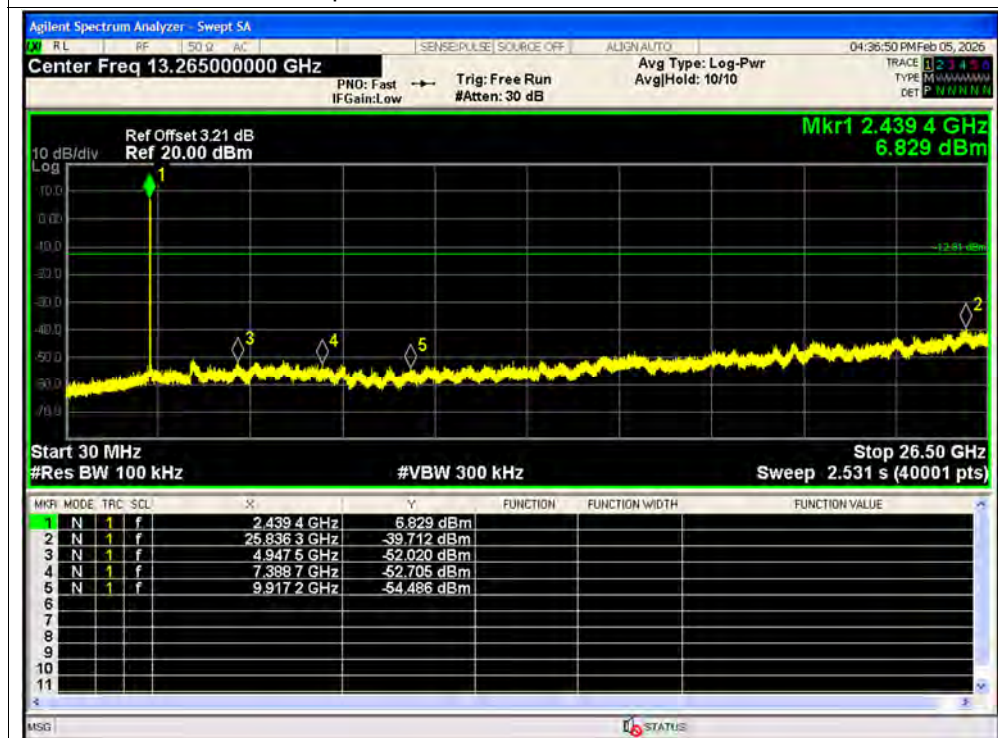
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



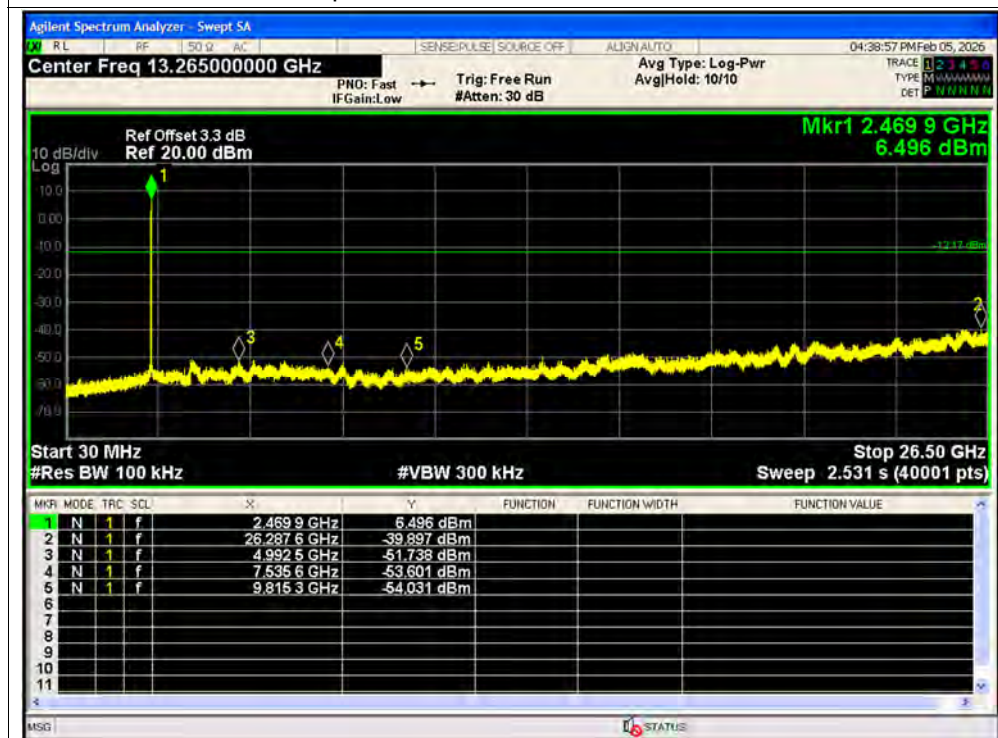
Tx. Spurious NVNT b 2442MHz Ant1 Ref



Tx. Spurious NVNT b 2442MHz Ant1 Emission



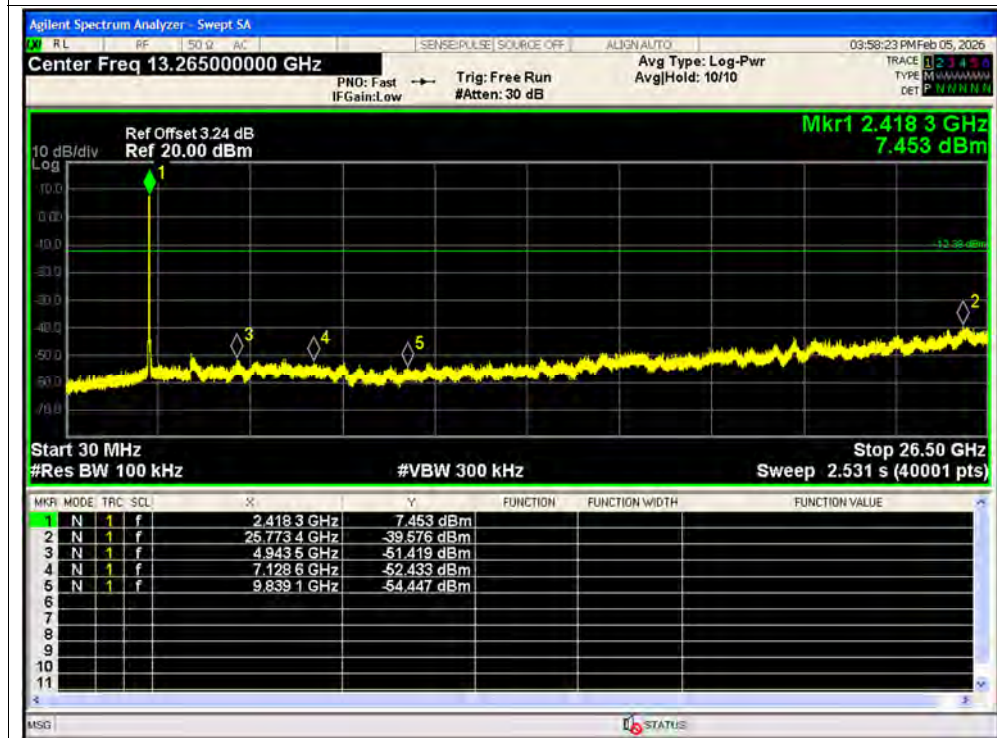
Tx. Spurious NVNT b 2472MHz Ant1 Ref



Tx. Spurious NVNT b 2472MHz Ant1 Emission



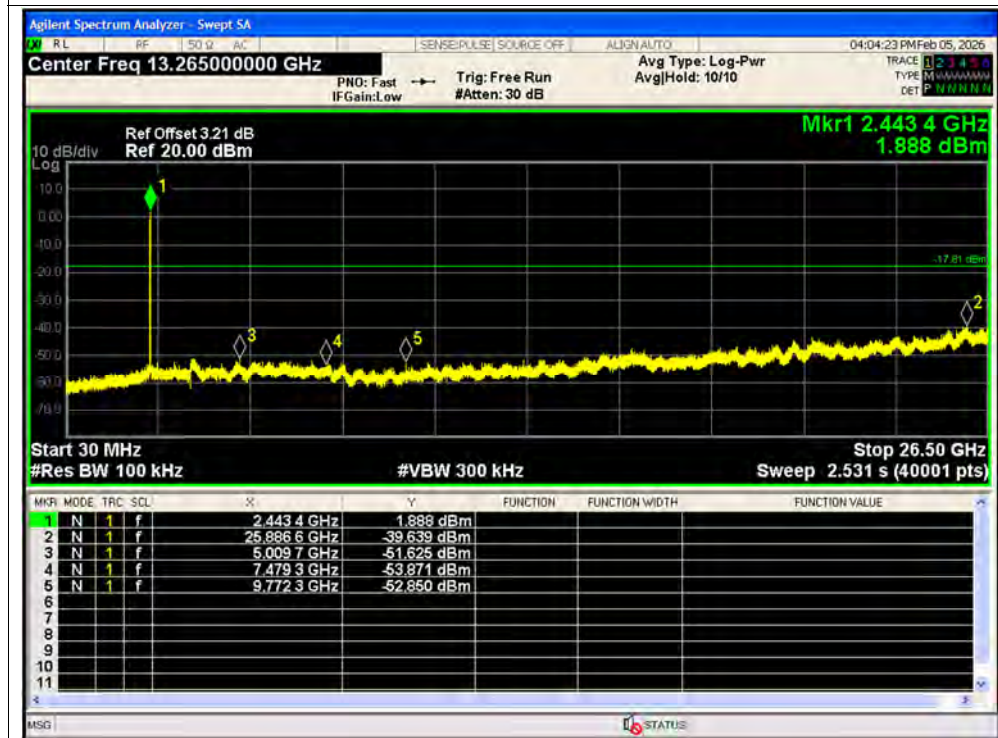
Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



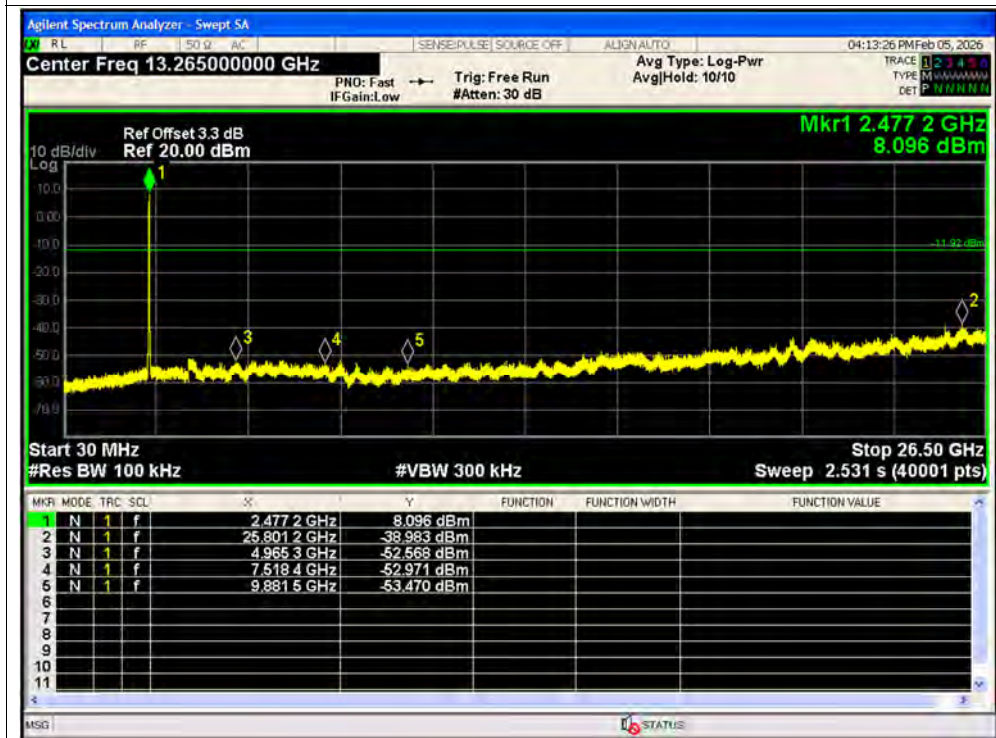
Tx. Spurious NVNT g 2442MHz Ant1 Ref



Tx. Spurious NVNT g 2442MHz Ant1 Emission



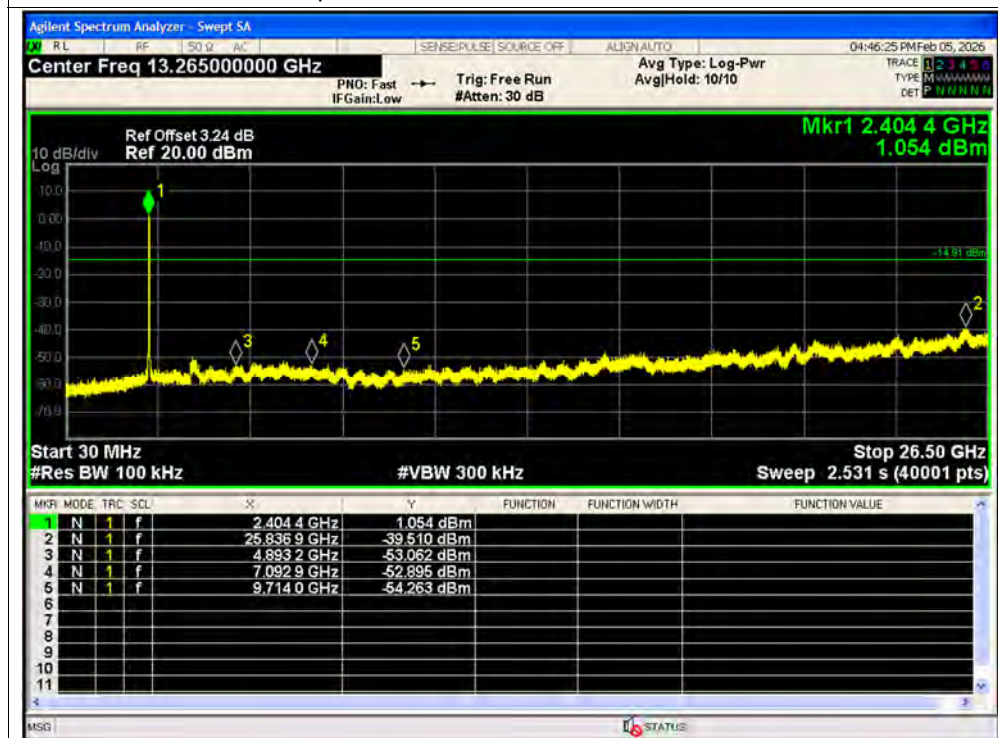
Tx. Spurious NVNT g 2472MHz Ant1 Ref



Tx. Spurious NVNT g 2472MHz Ant1 Emission



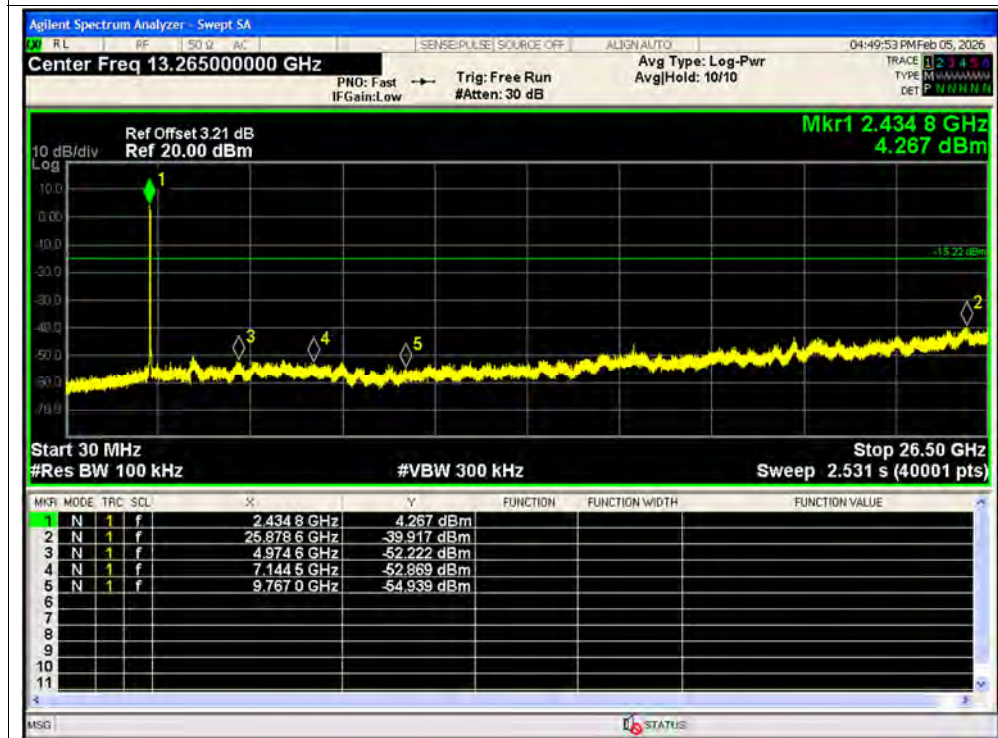
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



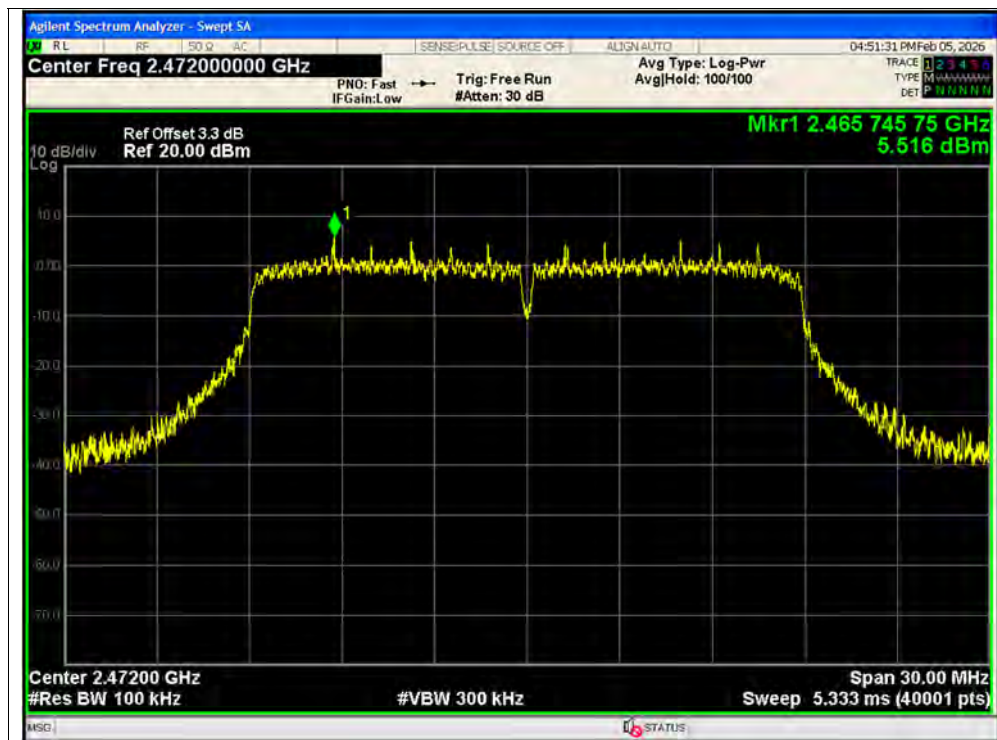
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



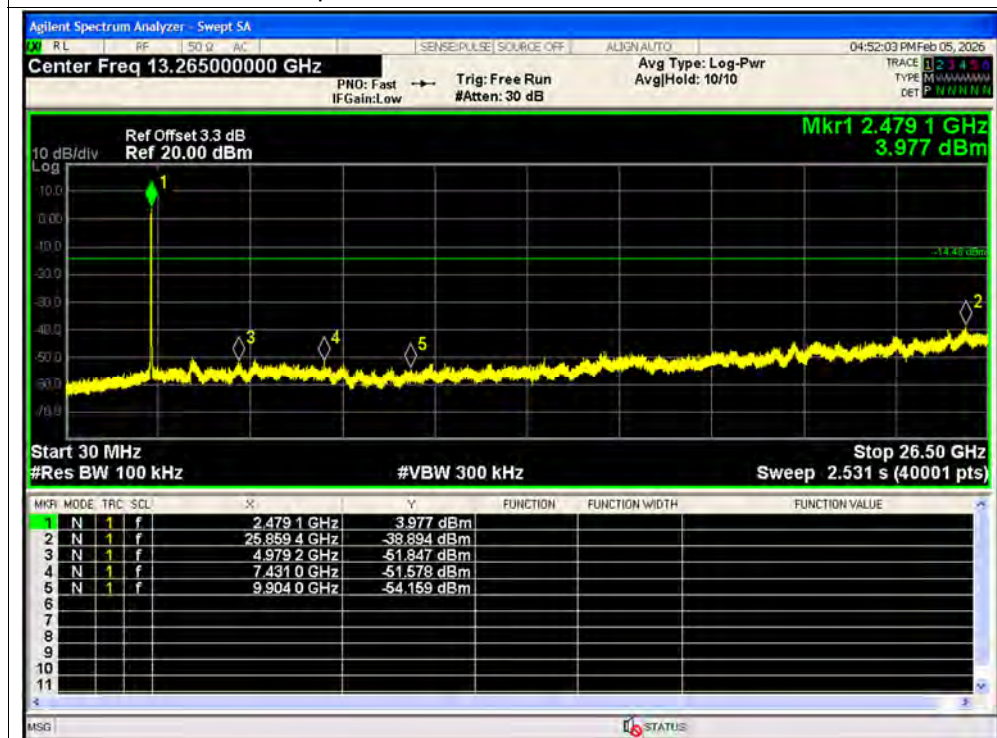
Tx. Spurious NVNT n20 2442MHz Ant1 Ref



Tx. Spurious NVNT n20 2442MHz Ant1 Emission



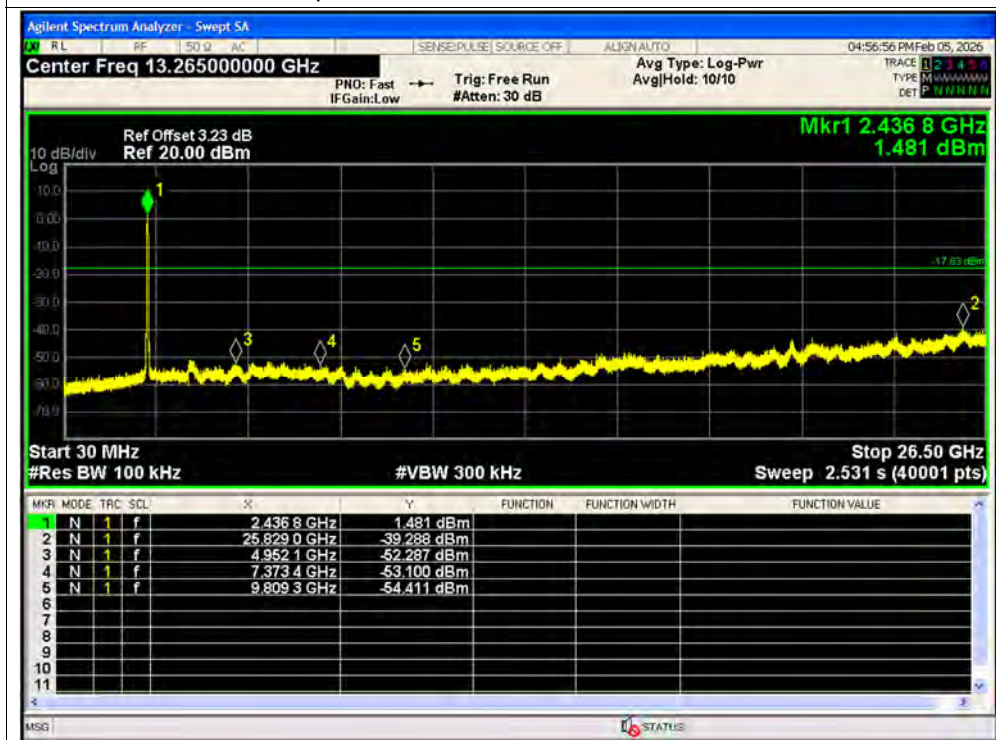
Tx. Spurious NVNT n20 2472MHz Ant1 Ref



Tx. Spurious NVNT n20 2472MHz Ant1 Emission



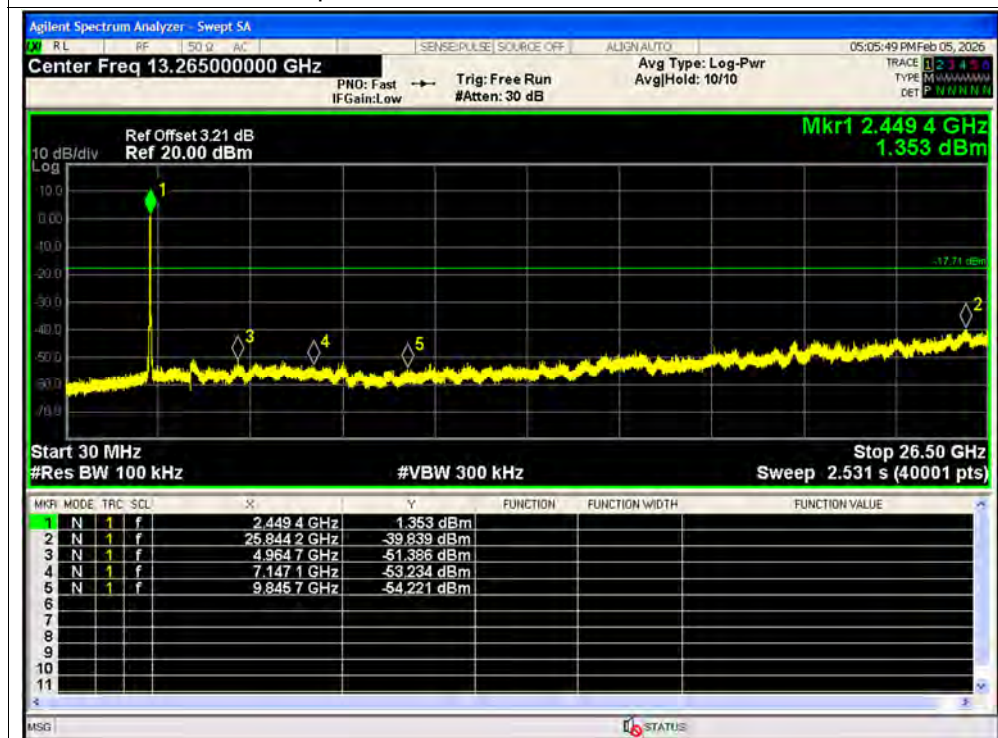
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



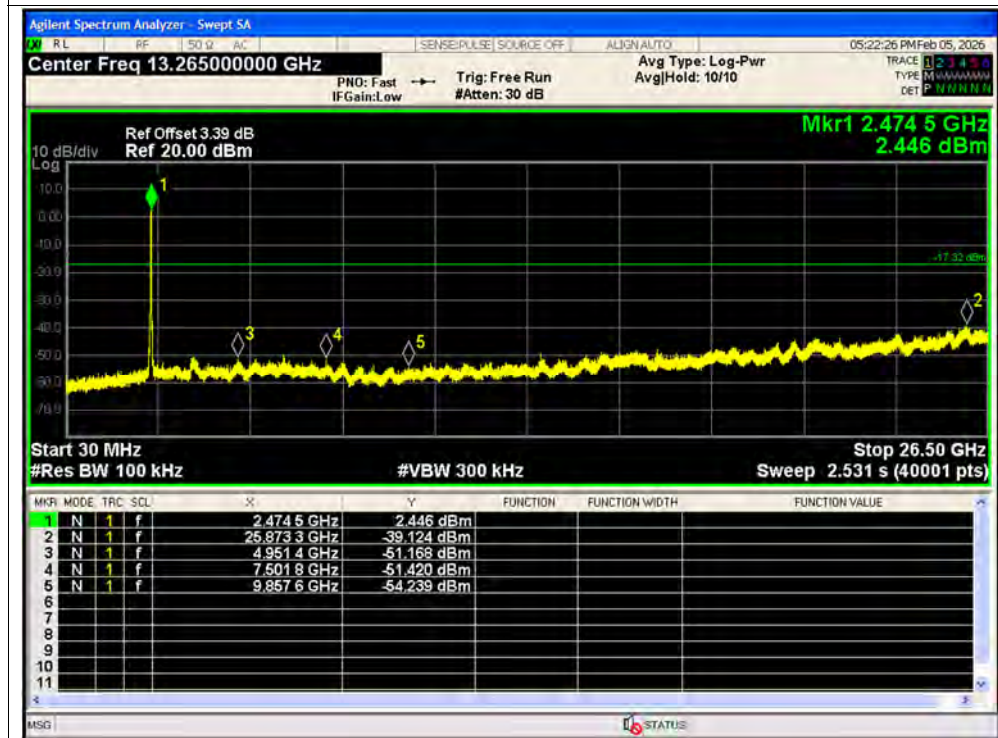
Tx. Spurious NVNT n40 2442MHz Ant1 Ref



Tx. Spurious NVNT n40 2442MHz Ant1 Emission



Tx. Spurious NVNT n40 2462MHz Ant1 Ref



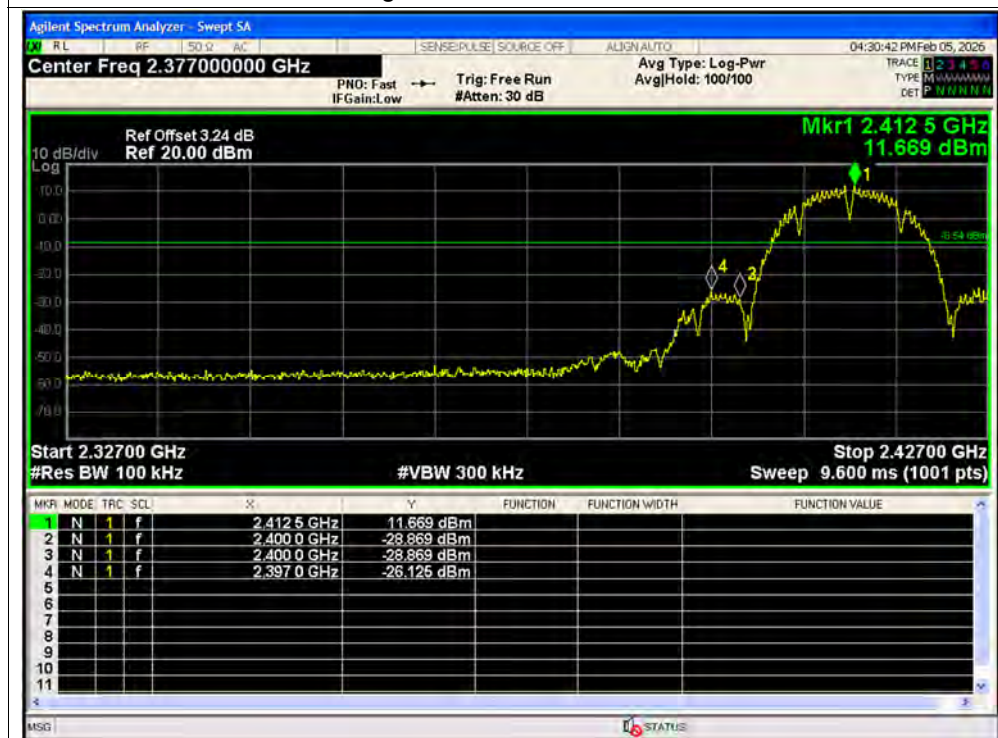
Tx. Spurious NVNT n40 2462MHz Ant1 Emission

**A.6. Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.58	-20	Pass
NVNT	b	2472	Ant1	-47.25	-20	Pass
NVNT	g	2412	Ant1	-30.82	-20	Pass
NVNT	g	2472	Ant1	-40.78	-20	Pass
NVNT	n20	2412	Ant1	-35.86	-20	Pass
NVNT	n20	2472	Ant1	-34.03	-20	Pass
NVNT	n40	2422	Ant1	-33.79	-20	Pass
NVNT	n40	2462	Ant1	-32.75	-20	Pass



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2472MHz Ant1 Ref



Band Edge NVNT b 2472MHz Ant1 Emission



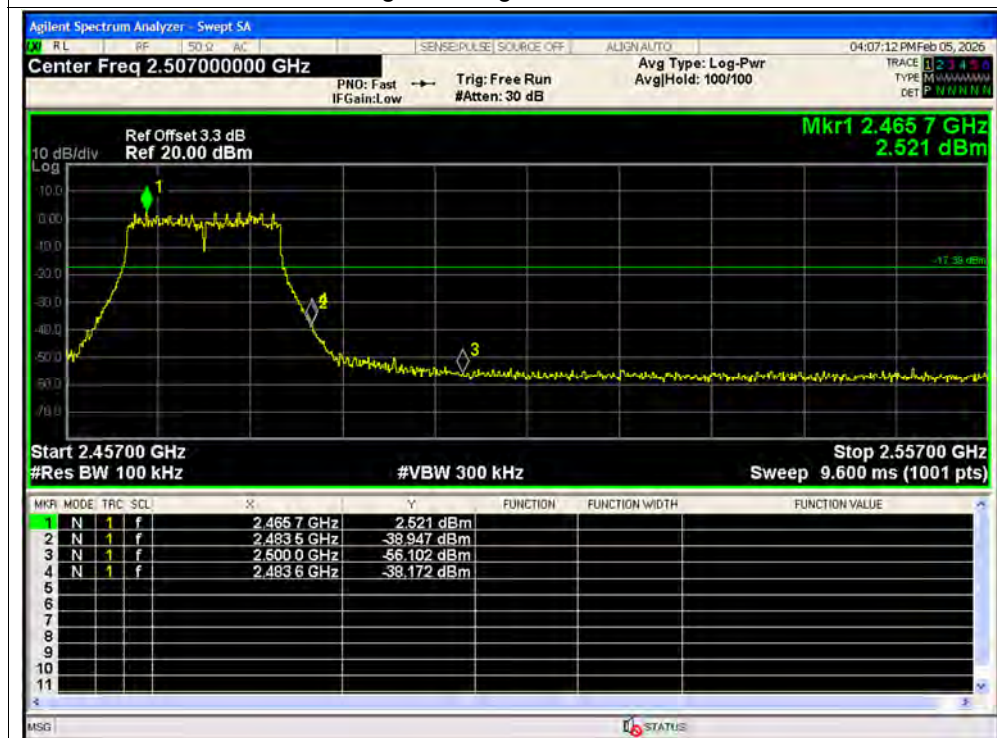
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2472MHz Ant1 Ref



Band Edge NVNT g 2472MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



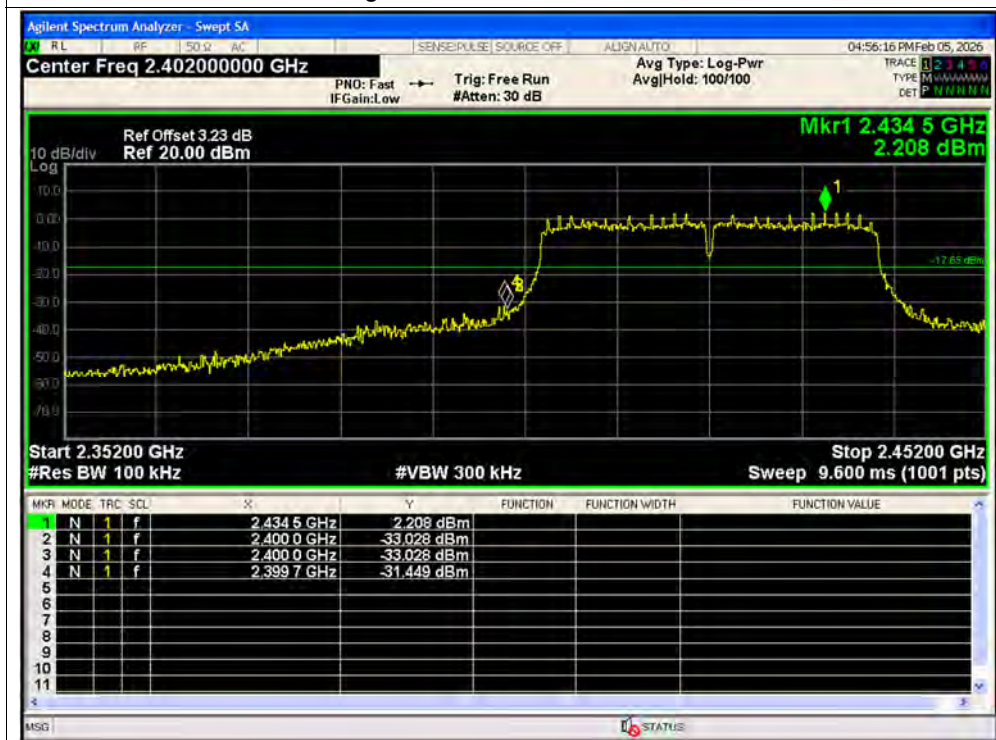
Band Edge NVNT n20 2472MHz Ant1 Ref



Band Edge NVNT n20 2472MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2462MHz Ant1 Ref



Band Edge NVNT n40 2462MHz Ant1 Emission

**A.7. Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-2.96	0	-2.96	8	Pass
NVNT	b	2442	Ant1	-6.12	0	-6.12	8	Pass
NVNT	b	2472	Ant1	-6.55	0	-6.55	8	Pass
NVNT	g	2412	Ant1	-6.46	0	-6.46	8	Pass
NVNT	g	2442	Ant1	-11.98	0	-11.98	8	Pass
NVNT	g	2472	Ant1	-5.81	0	-5.81	8	Pass
NVNT	n20	2412	Ant1	-9.75	0	-9.75	8	Pass
NVNT	n20	2442	Ant1	-9.49	0	-9.49	8	Pass
NVNT	n20	2472	Ant1	-9.16	0	-9.16	8	Pass
NVNT	n40	2422	Ant1	-12.62	0	-12.62	8	Pass
NVNT	n40	2442	Ant1	-12.09	0	-12.09	8	Pass
NVNT	n40	2462	Ant1	-12.51	0	-12.51	8	Pass



PSD NVNT b 2412MHz Ant1



PSD NVNT b 2442MHz Ant1



PSD NVNT b 2472MHz Ant1



PSD NVNT g 2412MHz Ant1



PSD NVNT g 2442MHz Ant1



PSD NVNT g 2472MHz Ant1



PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2442MHz Ant1



PSD NVNT n20 2472MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2442MHz Ant1



PSD NVNT n40 2462MHz Ant1



A.8. Conducted Emission

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

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

A. Test Setup:

Test Mode: EUT+Notebook+Notebook adapter+USB cable+Serial port board+WIFI TX

Test voltage: AC 120V/60Hz

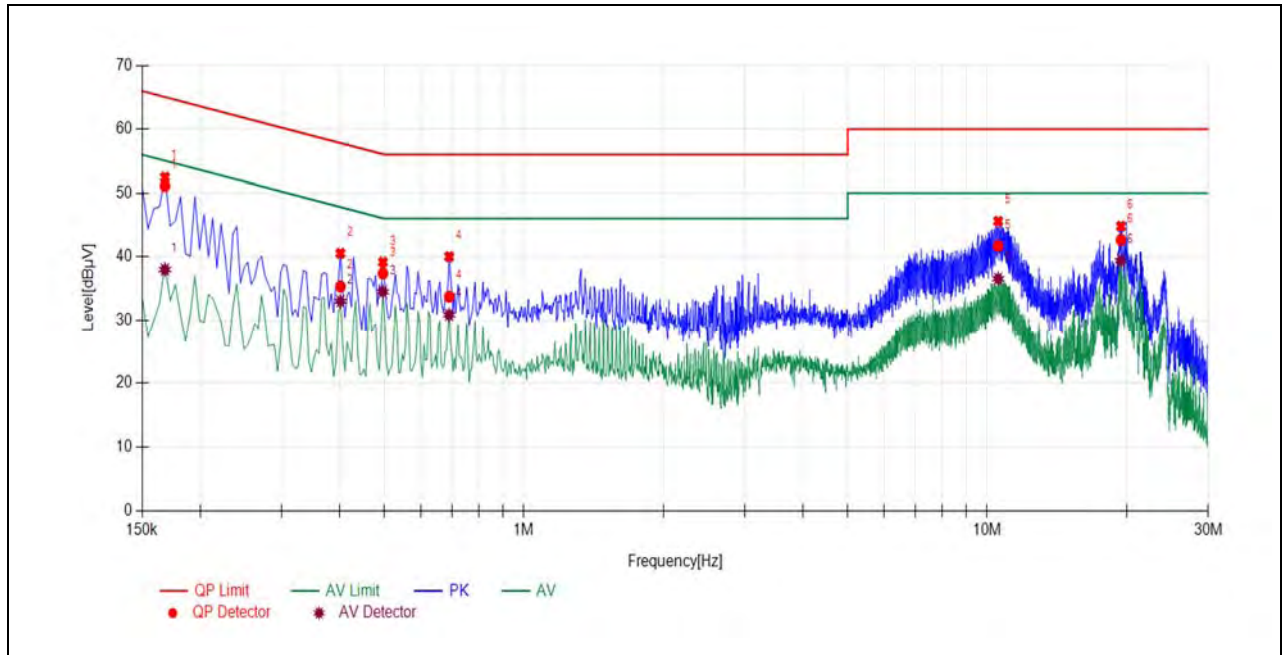
The measurement results are obtained as below:

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

U_R : Receiver Reading

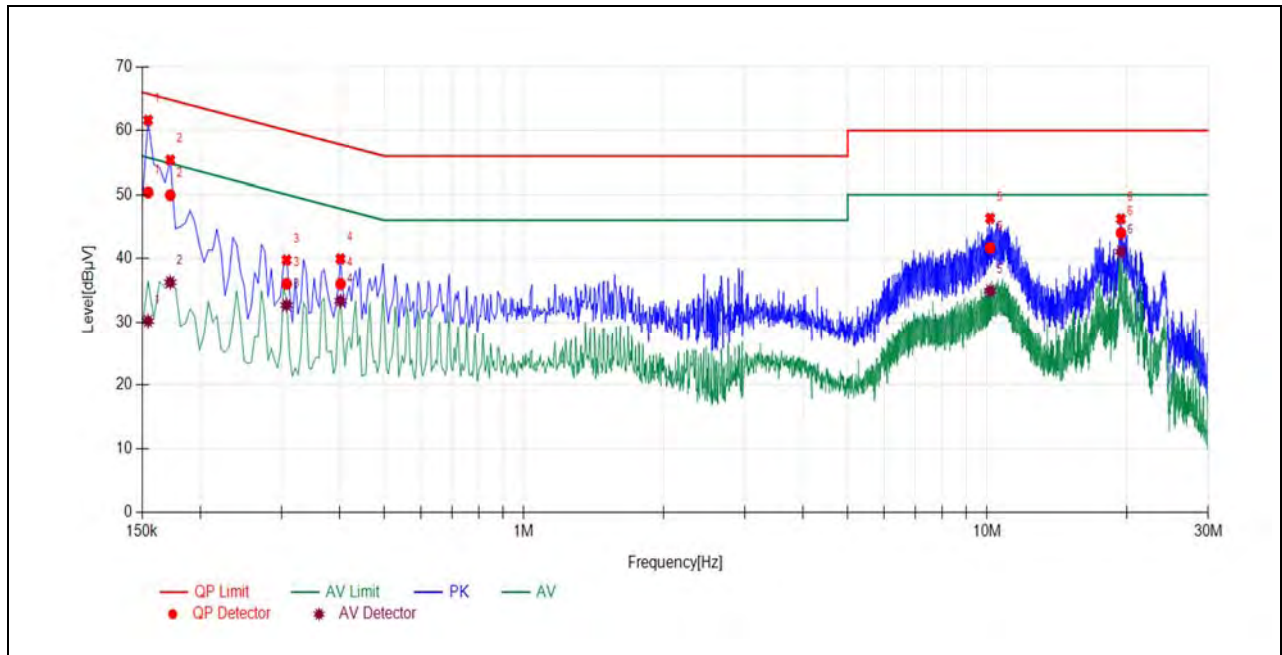
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1680	51.11	37.99	65.06	55.06	Line	PASS
2	0.4020	35.31	33.00	57.81	47.81		PASS
3	0.4965	37.37	34.48	56.06	46.06		PASS
4	0.6899	33.71	30.85	56.00	46.00		PASS
5	10.5628	41.70	36.55	60.00	50.00		PASS
6	19.4426	42.65	39.38	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1545	50.37	30.18	65.76	55.76	Neutral	PASS
2	0.1725	49.95	36.29	64.84	54.84		PASS
3	0.3075	36.03	32.70	60.04	50.04		PASS
4	0.4020	36.01	33.39	57.81	47.81		PASS
5	10.1482	41.69	34.95	60.00	50.00		PASS
6	19.4413	44.00	41.09	60.00	50.00		PASS

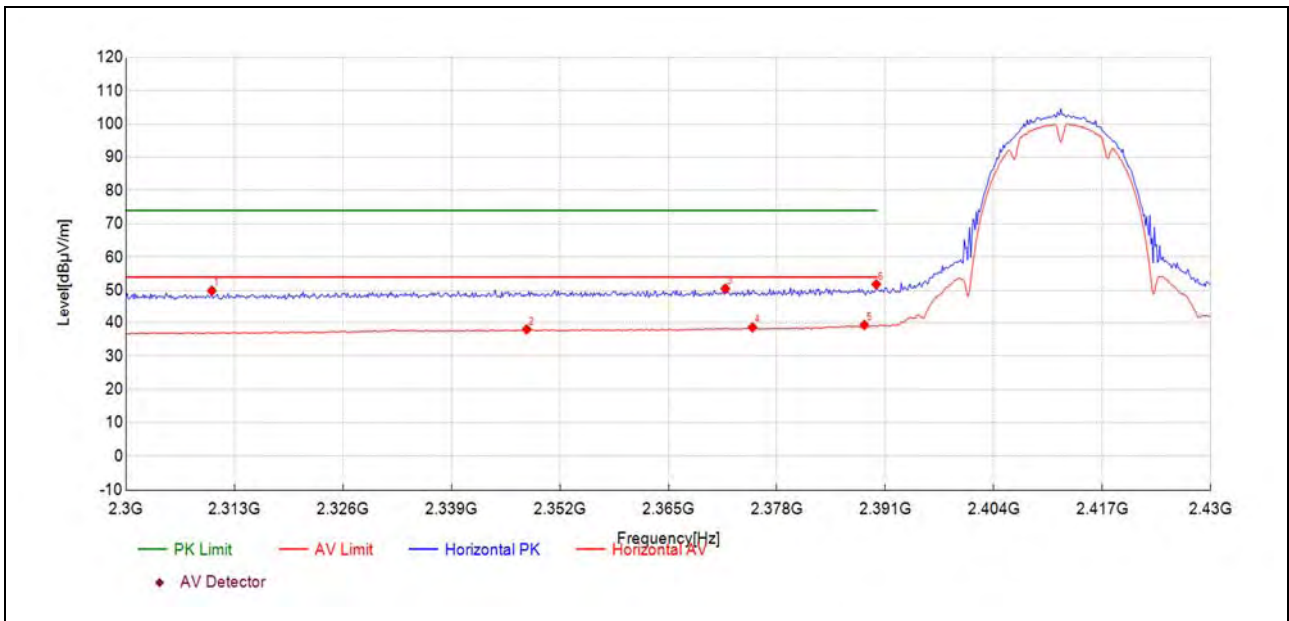
A.9. Restricted Frequency Bands

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

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

802.11b Mode

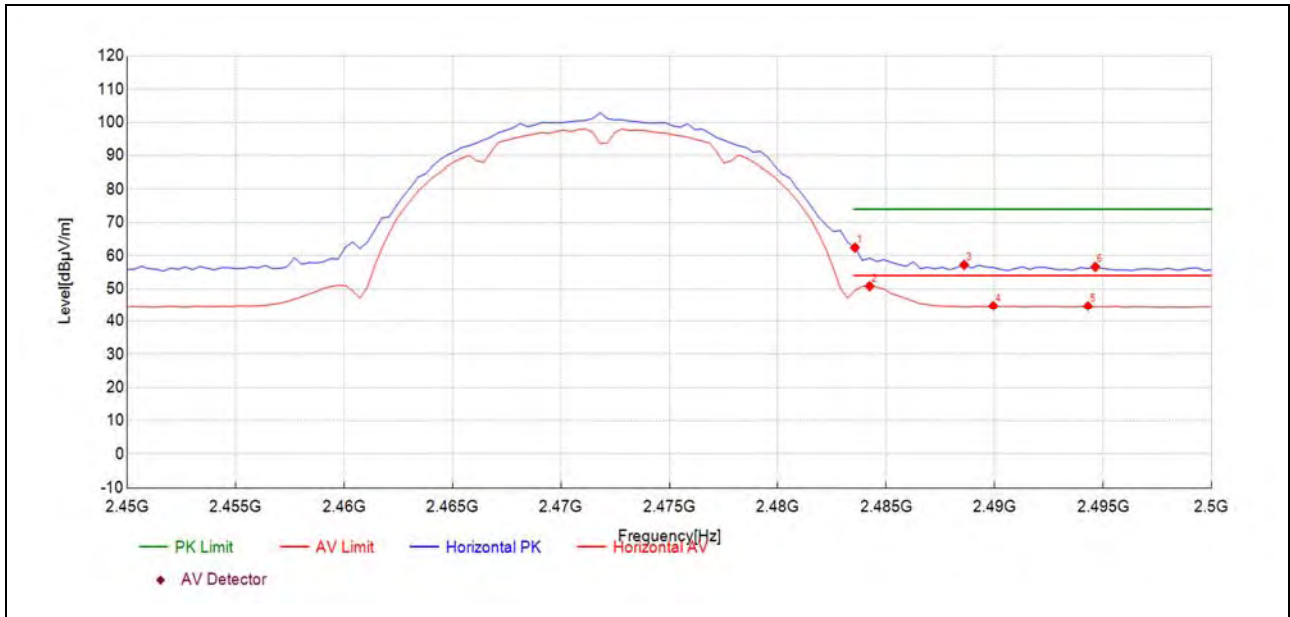
Plot for Channel 1



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2310.28	17.9	49.88	32.020	74.00	24.12	165	291	PK	PASS
2348.02	5.6	37.98	32.380	54.00	16.02	165	38	AV	PASS
2371.83	18.1	50.53	32.470	74.00	23.47	165	47	PK	PASS
2375.09	6.1	38.55	32.490	54.00	15.45	165	38	AV	PASS
2388.49	6.8	39.30	32.540	54.00	14.70	165	77	AV	PASS
2389.92	19.3	51.83	32.540	74.00	22.17	165	38	PK	PASS



Plot for Channel 13



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.56	29.4	62.42	33.030	74.00	11.58	165	165	PK	PASS
2484.23	17.7	50.77	33.030	54.00	3.23	165	211	AV	PASS
2488.59	24.2	57.20	33.020	74.00	16.80	165	165	PK	PASS
2489.93	11.7	44.75	33.020	54.00	9.25	165	331	AV	PASS
2494.30	11.7	44.67	33.010	54.00	9.33	165	331	AV	PASS
2494.63	23.6	56.60	33.010	74.00	17.40	165	136	PK	PASS



A.10. Radiated Emission

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

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.

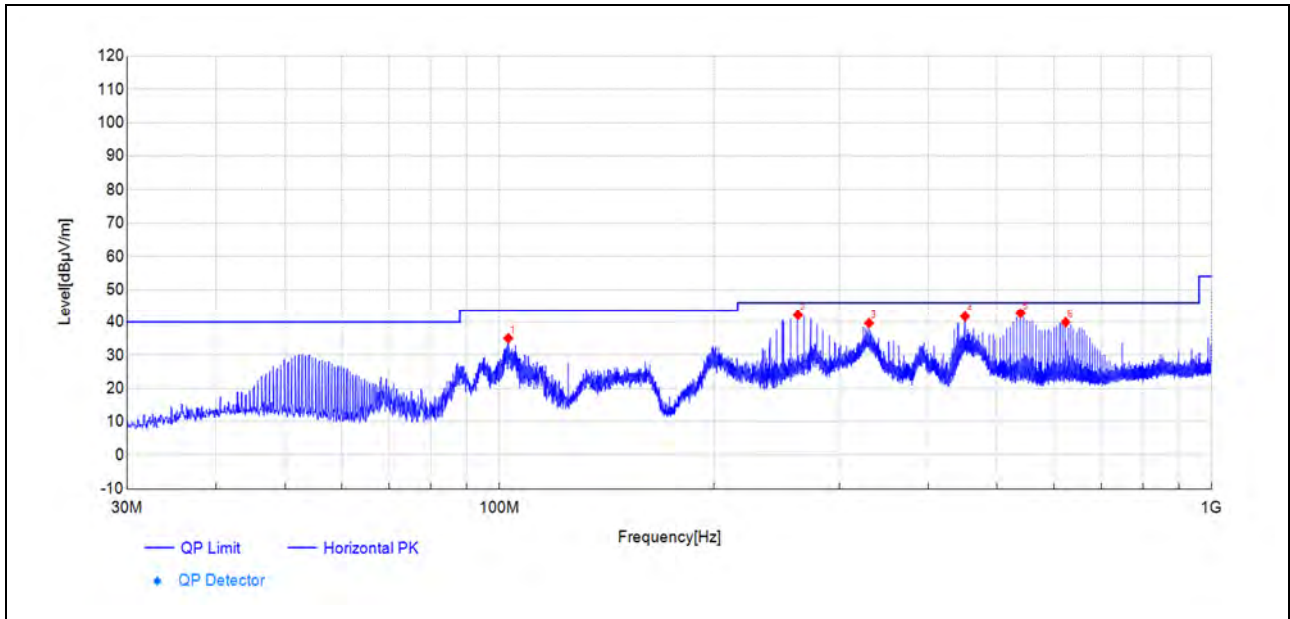
Note3: For the frequency, which started from 18GHz to 40GHz harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.



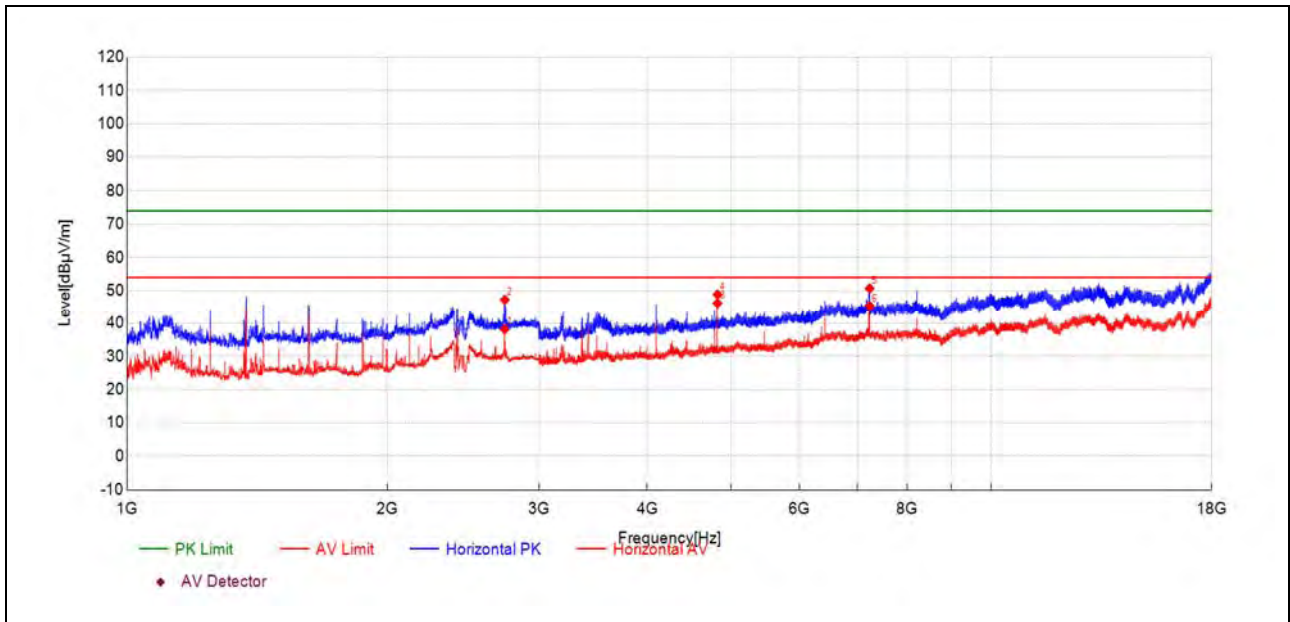
802.11b Mode

Plot for Channel 1



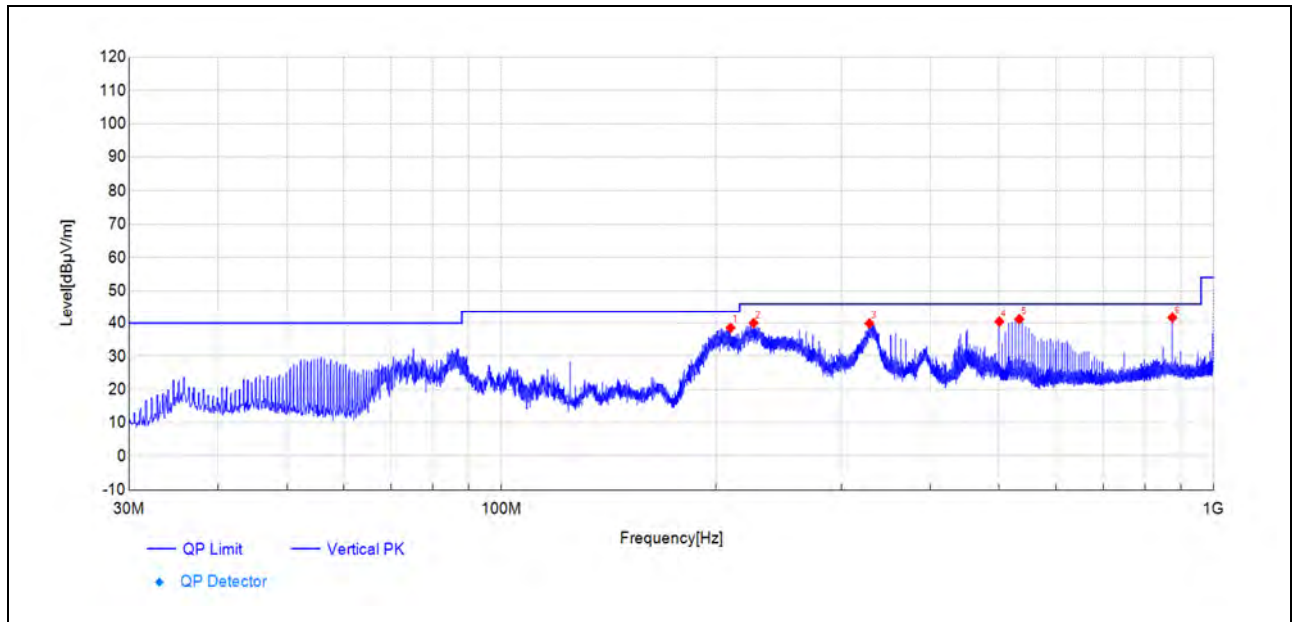
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
102.90	22.1	35.12	13.020	43.50	8.38	165	227	PK	PASS
262.46	27.2	42.13	14.890	46.00	3.87	165	74	PK	PASS
330.19	22.7	39.67	16.990	46.00	6.33	165	100	PK	PASS
450.48	22.6	41.71	19.080	46.00	4.29	165	11	PK	PASS
539.08	21.9	42.70	20.800	46.00	3.30	165	61	PK	PASS
623.73	17.5	39.95	22.460	46.00	6.05	165	61	PK	PASS



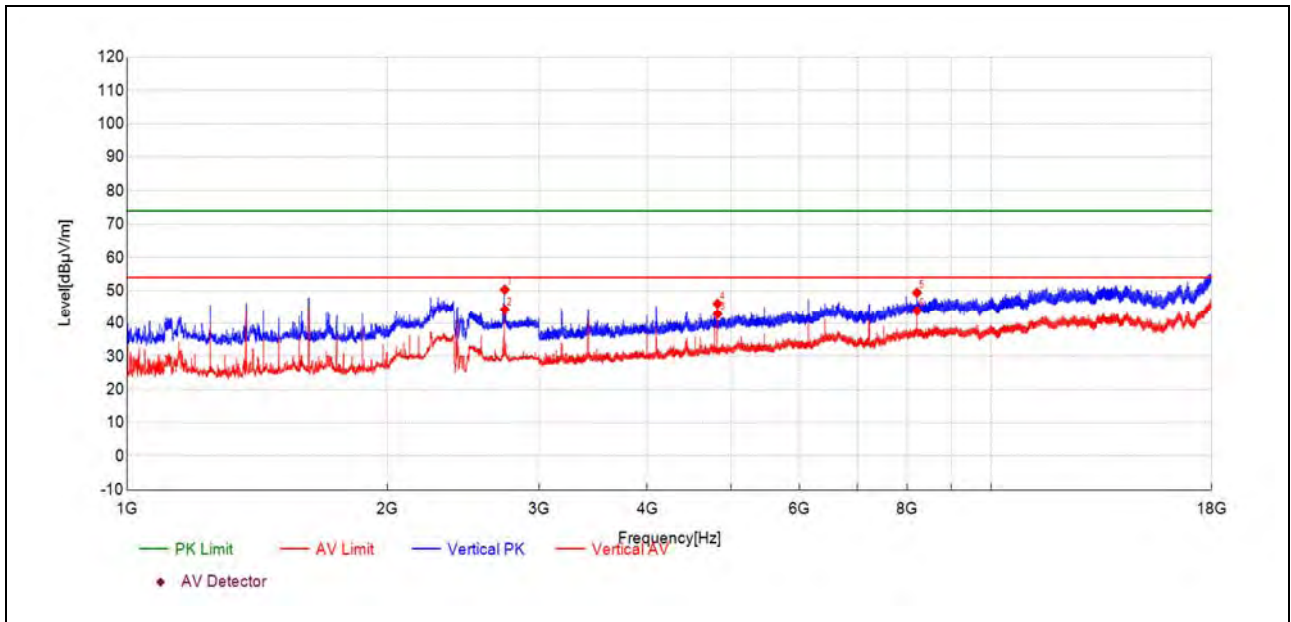
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2735.95	37.1	38.15	1.050	54.00	15.85	165	136	AV	PASS
2736.75	46.2	47.24	1.070	74.00	26.76	165	18	PK	PASS
4823.62	56.8	46.21	-10.550	54.00	7.79	165	15	AV	PASS
4824.05	59.4	48.83	-10.550	74.00	25.17	165	15	PK	PASS
7236.12	54.6	50.68	-3.940	74.00	23.32	165	15	PK	PASS
7237.41	49.3	45.31	-3.950	54.00	8.69	165	41	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
209.73	25.3	38.57	13.250	43.50	4.93	165	237	PK	PASS
225.95	25.9	40.01	14.090	46.00	5.99	165	6	PK	PASS
328.54	23.0	39.88	16.880	46.00	6.12	165	1	PK	PASS
499.98	19.8	40.44	20.600	46.00	5.56	165	0	PK	PASS
533.43	20.5	41.18	20.730	46.00	4.82	165	337	PK	PASS
875.01	15.9	41.64	25.780	46.00	4.36	165	72	PK	PASS

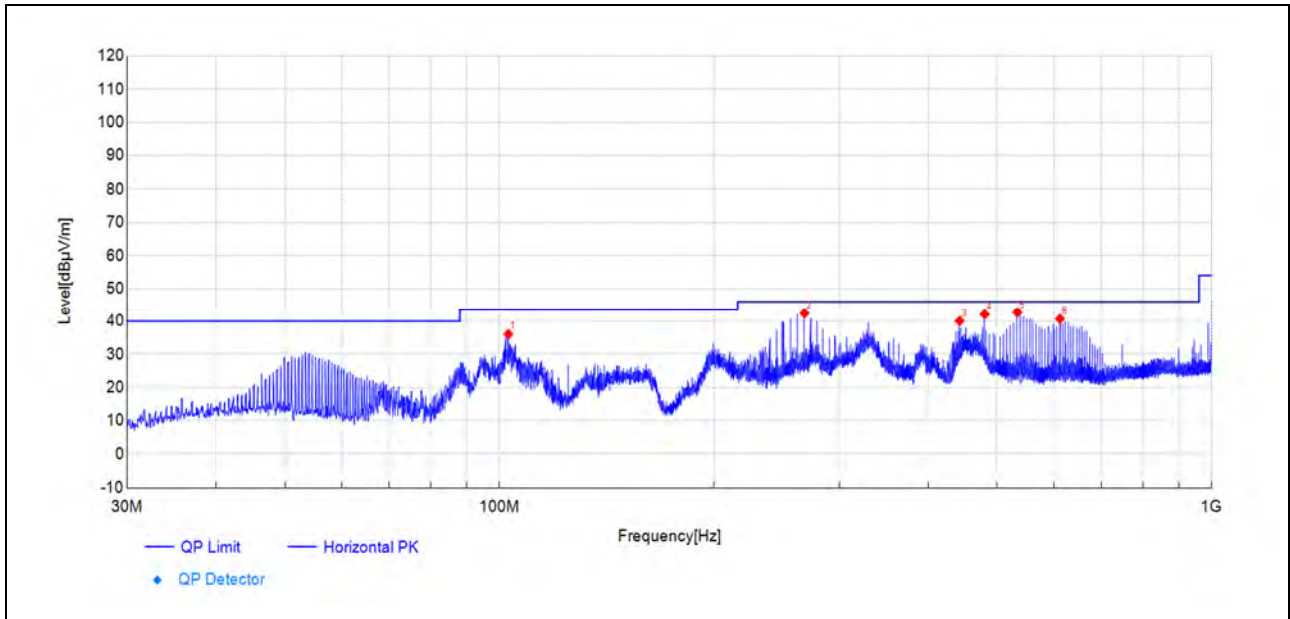


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2736.35	49.3	50.31	1.060	74.00	23.69	165	325	PK	PASS
2736.35	43.1	44.19	1.060	54.00	9.81	165	325	AV	PASS
4823.62	53.3	42.79	-10.550	54.00	11.21	165	300	AV	PASS
4823.62	56.6	46.03	-10.550	74.00	27.97	165	272	PK	PASS
8207.72	52.5	49.36	-3.140	74.00	24.64	165	300	PK	PASS
8207.72	46.9	43.80	-3.140	54.00	10.20	165	300	AV	PASS

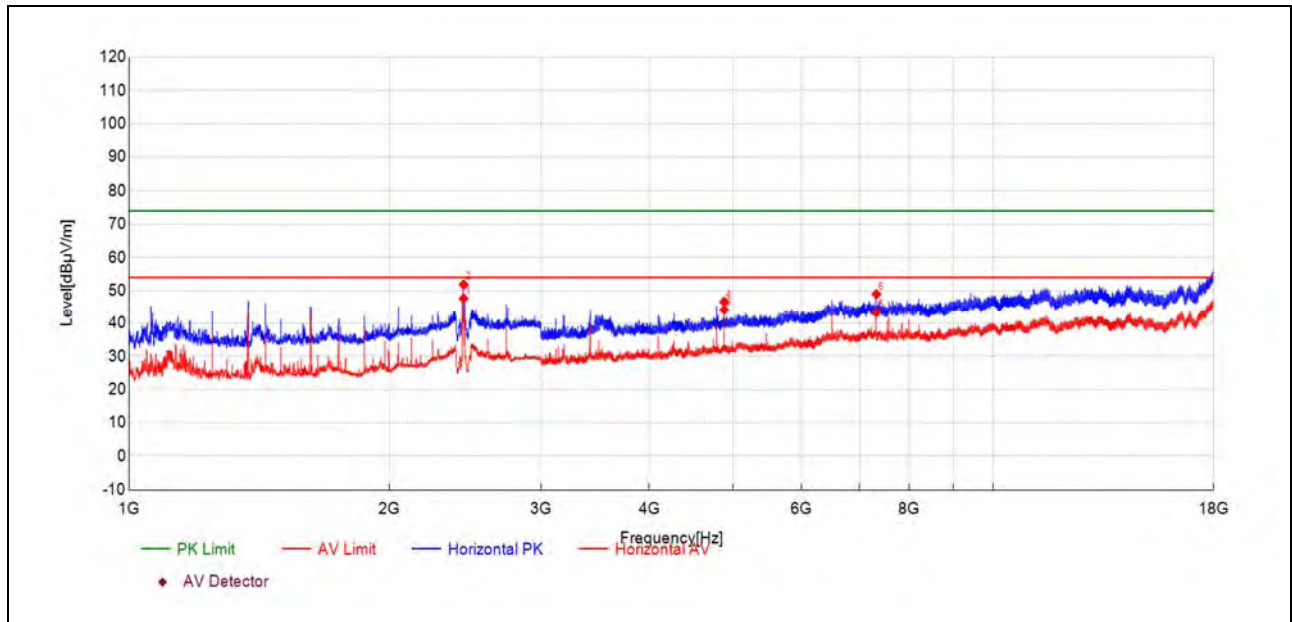


Plot for Channel 7



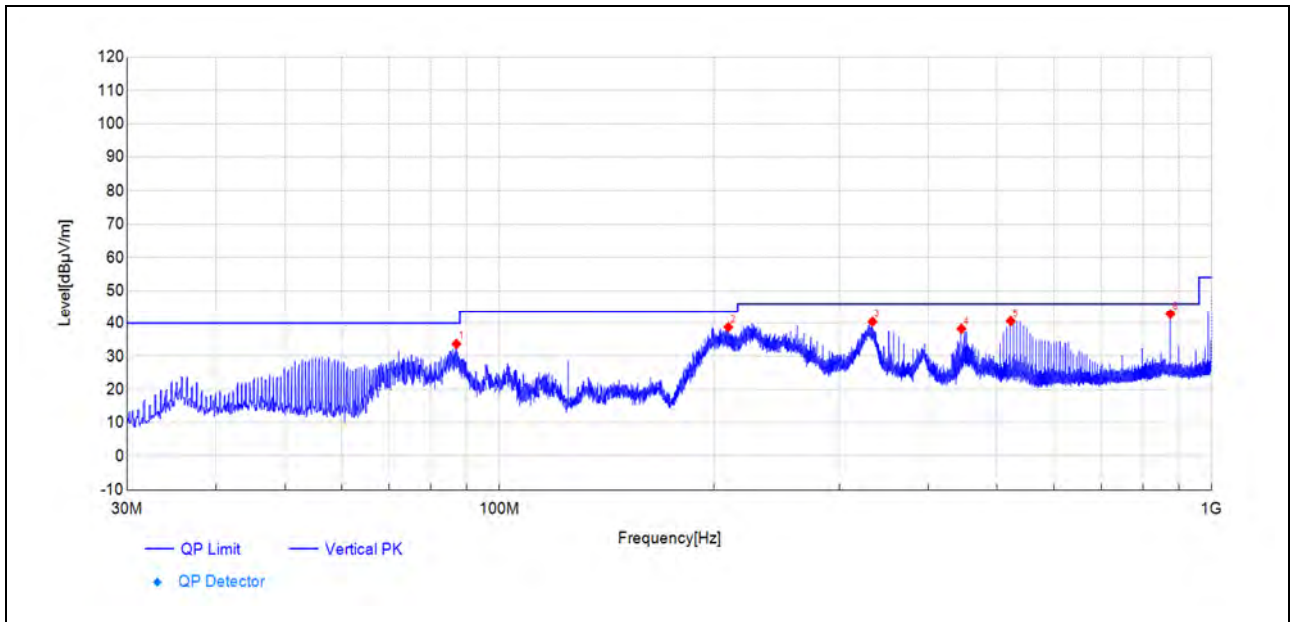
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
102.90	23.1	36.08	13.020	43.50	7.42	165	225	PK	PASS
268.11	27.4	42.38	14.960	46.00	3.62	165	85	PK	PASS
442.72	21.1	40.06	18.960	46.00	5.94	165	360	PK	PASS
480.05	22.2	42.10	19.900	46.00	3.90	165	61	PK	PASS
533.43	22.0	42.68	20.730	46.00	3.32	165	73	PK	PASS
612.45	18.4	40.71	22.360	46.00	5.29	165	61	PK	PASS



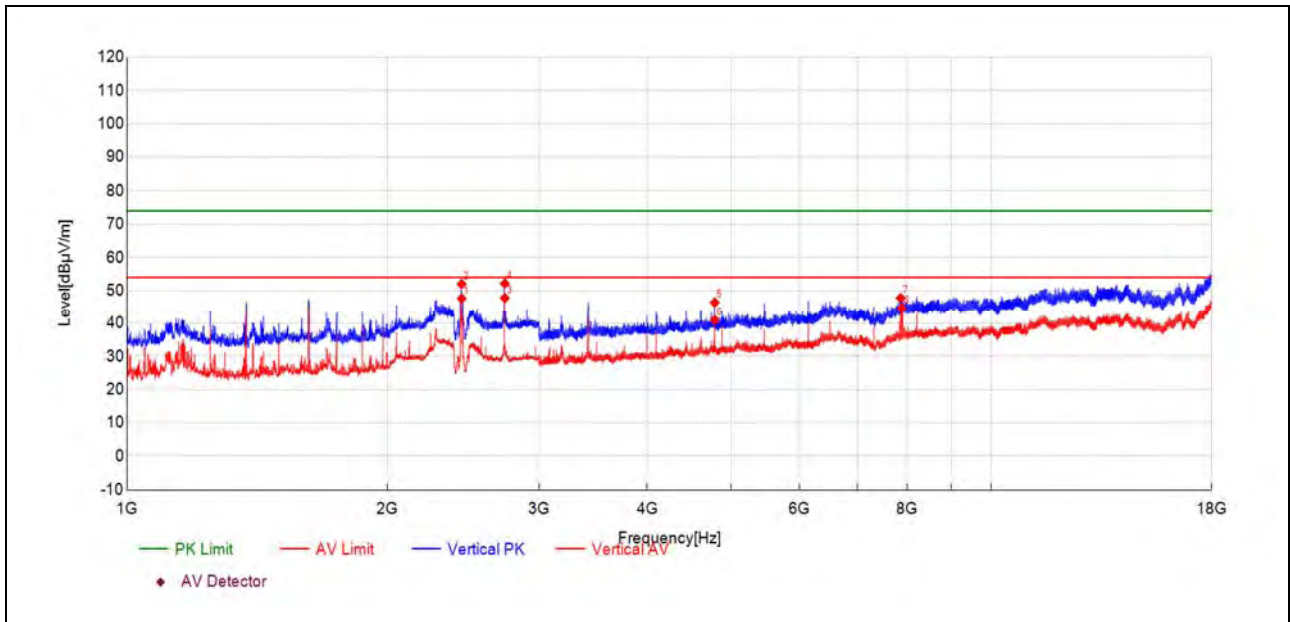
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2439.49	46.6	47.61	1.000	-	-	165	68	AV	PASS
2439.49	50.9	51.86	1.000	-	-	165	68	PK	PASS
4883.63	54.1	44.10	-9.970	54.00	9.90	165	12	AV	PASS
4884.05	56.6	46.60	-9.970	74.00	27.40	165	12	PK	PASS
7324.84	47.0	43.26	-3.700	54.00	10.74	165	322	AV	PASS
7326.55	52.7	48.97	-3.710	74.00	25.03	165	34	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
87.03	23.4	33.72	10.360	40.00	6.28	165	96	PK	PASS
209.61	25.6	38.81	13.250	43.50	4.69	165	222	PK	PASS
334.01	23.1	40.41	17.300	46.00	5.59	165	2	PK	PASS
445.30	19.3	38.28	18.970	46.00	7.72	165	72	PK	PASS
522.14	19.9	40.62	20.730	46.00	5.38	165	172	PK	PASS
875.01	17.0	42.82	25.780	46.00	3.18	165	336	PK	PASS

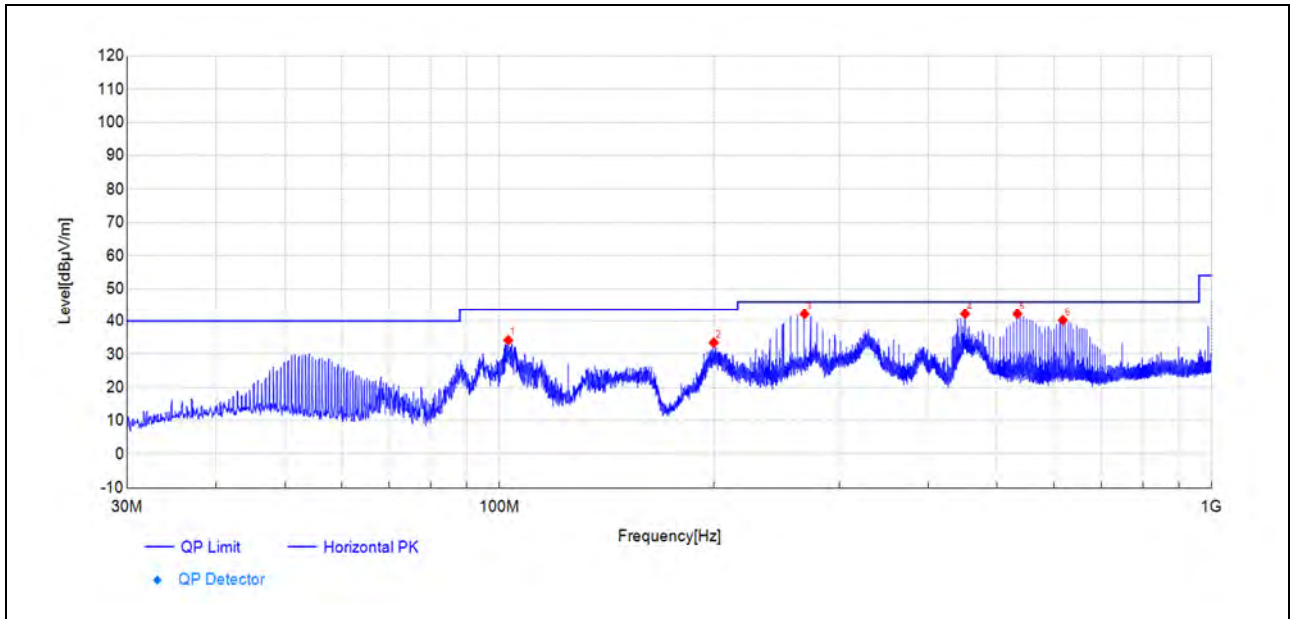


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2439.49	46.6	47.64	1.000	-	-	165	47	AV	NA
2439.49	51.0	52.00	1.000	-	-	165	47	PK	NA
2736.35	46.7	47.79	1.060	54.00	6.21	165	326	AV	PASS
2736.35	51.1	52.17	1.060	74.00	21.83	165	326	PK	PASS
4787.62	57.0	46.38	-10.650	74.00	27.62	165	272	PK	PASS
4787.62	51.6	40.95	-10.650	54.00	13.05	165	272	AV	PASS
7856.28	51.5	47.75	-3.780	74.00	26.25	165	322	PK	PASS
7884.14	48.1	44.58	-3.550	54.00	9.42	165	298	AV	PASS

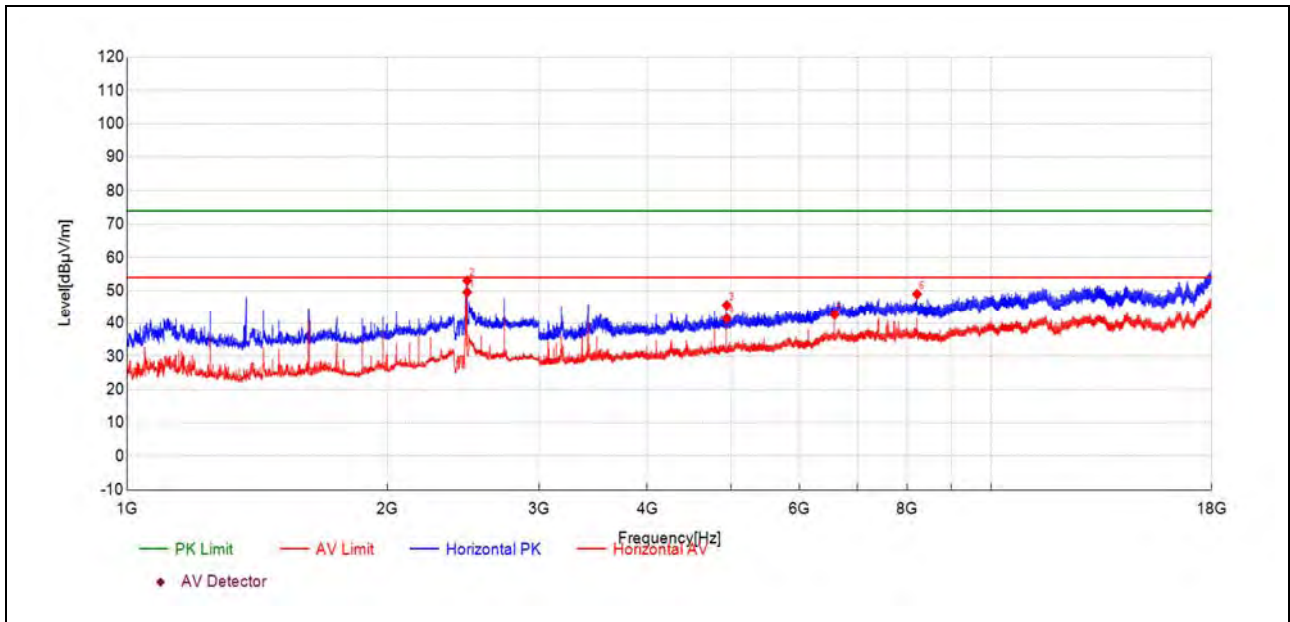


Plot for Channel 13



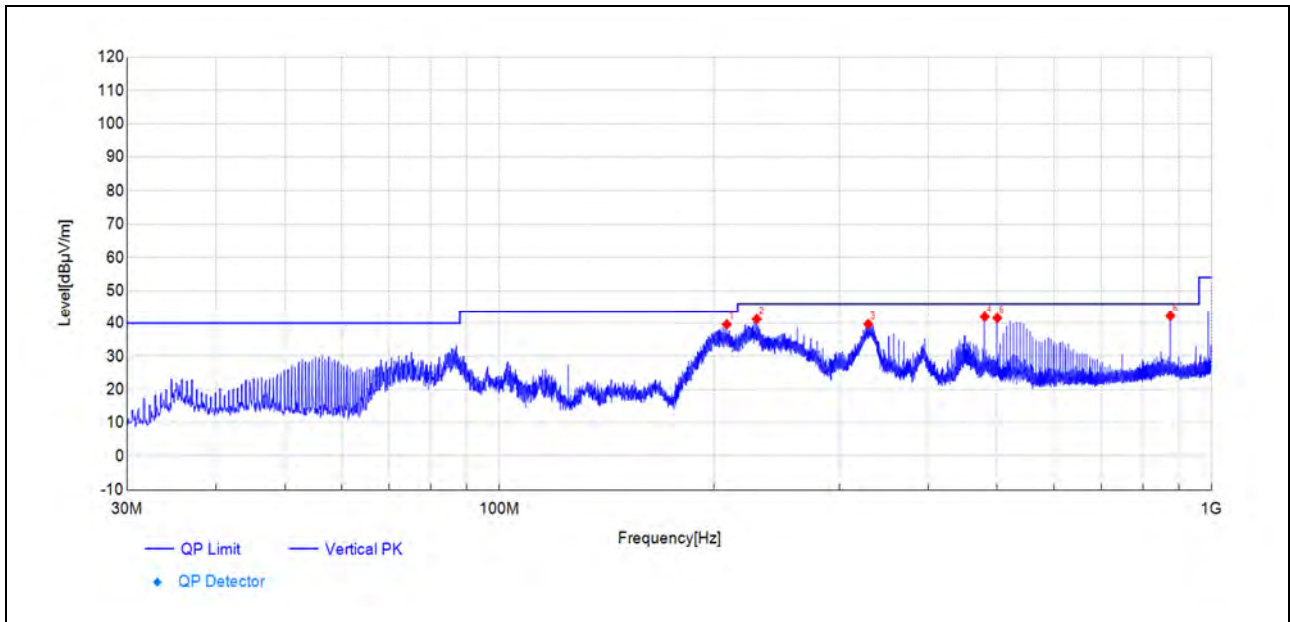
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
102.90	21.2	34.21	13.020	43.50	9.29	165	251	PK	PASS
199.97	20.5	33.46	12.930	43.50	10.04	165	288	PK	PASS
268.11	27.2	42.15	14.960	46.00	3.85	165	73	PK	PASS
450.48	23.1	42.18	19.080	46.00	3.82	165	360	PK	PASS
533.43	21.5	42.19	20.730	46.00	3.81	165	61	PK	PASS
618.09	17.8	40.23	22.400	46.00	5.77	165	61	PK	PASS



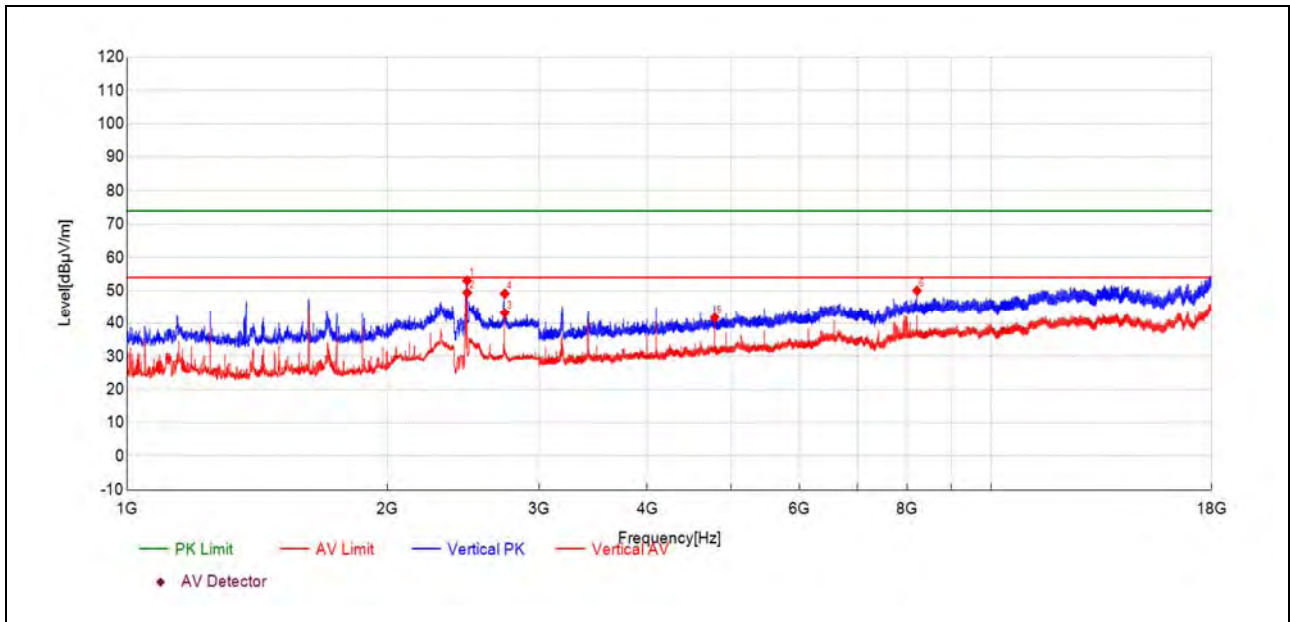
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2475.90	48.6	49.57	0.940	-	-	165	57	AV	NA
2476.30	52.1	53.01	0.940	-	-	165	80	PK	NA
4944.06	55.7	45.59	-10.110	74.00	28.41	165	15	PK	PASS
4944.06	51.6	41.46	-10.110	54.00	12.54	165	15	AV	PASS
6591.96	47.3	42.60	-4.730	54.00	11.40	165	350	AV	PASS
8207.72	52.1	48.98	-3.140	74.00	25.02	165	350	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
208.49	26.5	39.63	13.170	43.50	3.87	165	209	PK	PASS
229.77	27.0	41.23	14.250	46.00	4.77	165	349	PK	PASS
329.48	22.8	39.70	16.940	46.00	6.30	165	0	PK	PASS
480.05	22.0	41.93	19.900	46.00	4.07	165	84	PK	PASS
499.98	21.0	41.55	20.600	46.00	4.45	165	0	PK	PASS
875.01	16.4	42.20	25.780	46.00	3.80	165	323	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2474.69	52.1	53.01	0.950	-	-	165	44	PK	NA
2475.90	48.4	49.38	0.940	-	-	165	44	AV	NA
2735.95	42.1	43.19	1.050	54.00	10.81	165	44	AV	PASS
2736.35	48.0	49.10	1.060	74.00	24.90	165	337	PK	PASS
4788.05	52.3	41.67	-10.650	54.00	12.33	165	298	AV	PASS
8208.58	53.2	50.01	-3.140	74.00	23.99	165	298	PK	PASS



Notes

1. The report shall have report stamp or our company stamp.
2. The report shall be invalid without all the signatures of the editor and approver.
3. The report shall not be changed.
4. Any objections must be raised to Morlab within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.
5. Conformity declaration:
 - ☒ Morlab issues a statement of conformity based on the corresponding standards (default)
 - ☐ Morlab issues a statement of conformity based on the applicant requirement
6. Use of uncertainty of measurement for decisions on conformity (decision rule):

No decision rule is specified by the testing standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule).

————— END OF REPORT —————