TEST REPORT

APPLICANT	:	REMO TECH Co., Ltd.
PRODUCT NAME	:	OBSBOT Tail 2S
MODEL NAME	:	OAB-2405-CE
BRAND NAME	:	OBSBOT
FCC ID	:	2ASMC-OAB2405
STANDARD(S)	:	47 CFR Part 15 Subpart C
RECEIPT DATE	:	2025-02-19
TEST DATE	:	2025-03-07 to 2025-04-09
ISSUE DATE	:	2025-04-18

Edited by: Su Xiaoxian

Su Xiaoxian (Rapporteur)

Approved by: Shen Junsheng

Shen Junsheng (Supervisor)

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 Fax: 86-755-36698525
Http://www.morlab.cn E-mail: service@morlab.cn

DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2025-04-18	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	Mar. 11, 2025	Li Zikai	PASS	No deviation
3	15.247(b)	Maximum Peak Conducted Output Power	Mar. 11, 2025	Li Zikai	PASS	No deviation
4	15.247(b)	Maximum Average Conducted Output Power	Mar. 11, 2025	Li Zikai	PASS	No deviation
5	15.247(a)	Bandwidth	Mar. 11, 2025	Li Zikai	PASS	No deviation
6	15.247(d)	Conducted Spurious Emission and Band Edge	Mar. 11, 2025	Li Zikai	PASS	No deviation
7	15.247(e)	Power Spectral Density	Mar. 11, 2025	Li Zikai	PASS	No deviation
8	15.207	Conducted Emission	Apr. 01, 2025	Fan Shengquan	PASS	No deviation
9	15.247(d)	Restricted Frequency Bands	Mar. 31, 2025	Gao Jianrou	PASS	No deviation
10	15.209, 15.247(d)	Radiated Emission	Mar. 31, 2025	Gao Jianrou	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013 and KDB 558074 D01 v05r02.

Note 2: 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 Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analzyer	MY53470836	N9010A	Agilent	2025.01.15	2026.01.14
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2025.01.06	2026.01.05
LISN	8127449	NSLK 8127	Schwarzbeck	2025.01.09	2026.01.08
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2024.05.30	2025.05.29
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2024.07.02	2025.07.01

1.2.3 List of Software Used

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

1.2.4 Radiated Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09

1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Peak Output Power	±2.22dB	Confidence levels of 95%
Power Spectral Density	±2.22dB	Confidence levels of 95%
Bandwidth	±5%	Confidence levels of 95%
Conducted Spurious Emission	±2.77dB	Confidence levels of 95%
Restricted Frequency Bands	±5%	Confidence levels of 95%
Radiated Emission	±2.95dB	Confidence levels of 95%
Conducted Emission	±2.44dB	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:	REMO TECH Co., Ltd.
Applicant Address:	Room 220, Building 6, Qianhai Shenzhen-Hong Kong Youth Innovation and Entrepreneur Hub, Nanshan District, Shenzhen, China
Manufacturer:	REMO TECH Co., Ltd.
Manufacturer Address:	Room 220, Building 6, Qianhai Shenzhen-Hong Kong Youth Innovation and Entrepreneur Hub, Nanshan District, Shenzhen, China

2.2. Information of EUT

Product Name:	OBSBOT Tail 2S
Sample No.:	8#, 19#
Hardware Version:	CM103A_MA_V100_20250214
Software Version:	7.5.0.12
Equipment Type:	SparkLink Low-Energy
Modulation Type:	GFSK, BPSK, QPSK, 8PSK
Bandwidth:	1MHz, 2MHz, 4MHz
Operating Frequency Range:	2402MHz-2480MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	4.67dBi

Note 1: 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

BW (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	**0**	**2402**	20	2422	40	2442	60	2462
	1	2403	21	2423	41	2443	61	2463
	2	2404	22	2424	42	2444	62	2464
	3	2405	23	2425	43	2445	63	2465
	4	2406	24	2426	44	2446	64	2466
	5	2407	25	2427	45	2447	65	2467
	6	2408	26	2428	46	2448	66	2468
	7	2409	27	2429	47	2449	67	2469
	8	2410	28	2430	48	2450	68	2470
	9	2411	29	2431	49	2451	69	2471
	10	2412	30	2432	50	2452	70	2472
	11	2413	31	2433	51	2453	71	2473
	12	2414	32	2434	52	2454	72	2474
	13	2415	33	2435	53	2455	73	2475
	14	2416	34	2436	54	2456	74	2476
	15	2417	35	2437	55	2457	75	2477
	16	2418	36	2438	56	2458	76	2478
	17	2419	37	2439	57	2459	77	2479
	18	2420	38	2440	58	2460	**78**	**2480**
	19	2421	**39**	**2441**	59	2461		
2	**2**	**2404**	24	2426	44	2446	64	2466
	4	2406	26	2428	46	2448	66	2468
	6	2408	28	2430	48	2450	68	2470
	8	2410	30	2432	50	2452	70	2472
	10	2412	32	2434	52	2454	72	2474
	12	2414	34	2436	54	2456	74	2476
	14	2416	36	2438	56	2458	**76**	**2478**
	16	2418	38	2440	58	2460		
	18	2420	**40**	**2442**	60	2462		
	20	2422	42	2444	62	2464		
4	**3**	**2405**	27	2429	47	2449	67	2469
	7	2409	31	2433	51	2453	71	2473
	11	2413	35	2437	55	2457	**75**	**2477**

	15	2417	**39**	**2441**	59	2461		
	19	2421	43	2445	63	2465		

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

2.4. Test Configuration of EUT

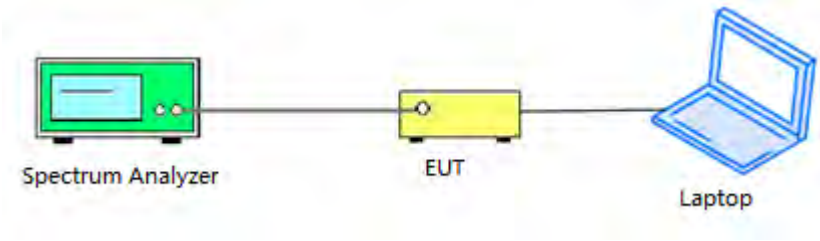
The EUT is controlled by dedicated software to transmit at the default maximum power level.

2.5. Test Conditions

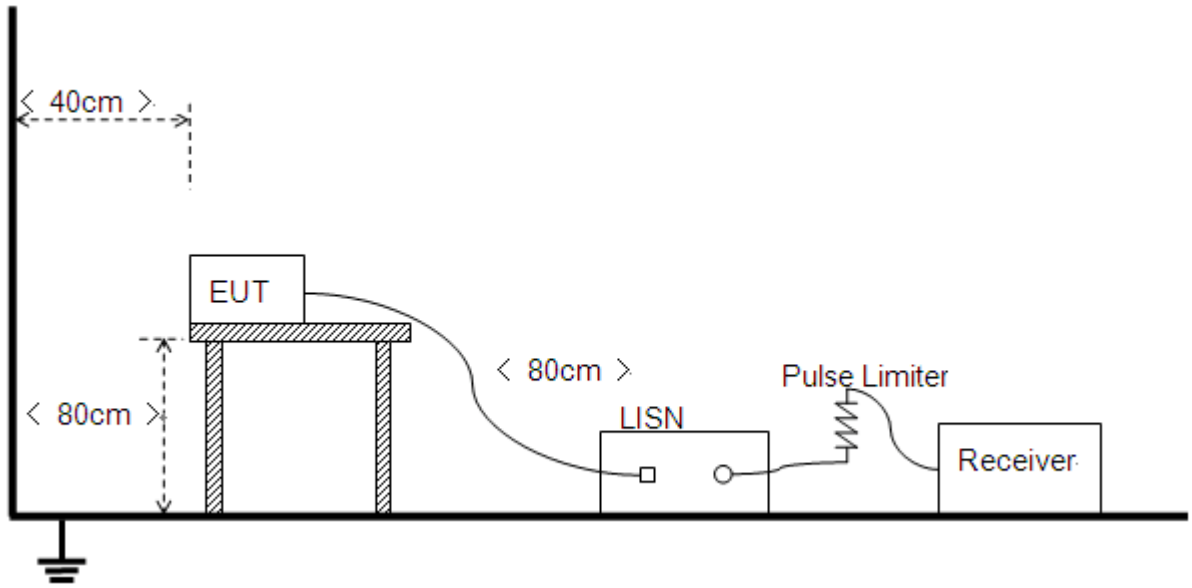
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1.Conducted Measurement

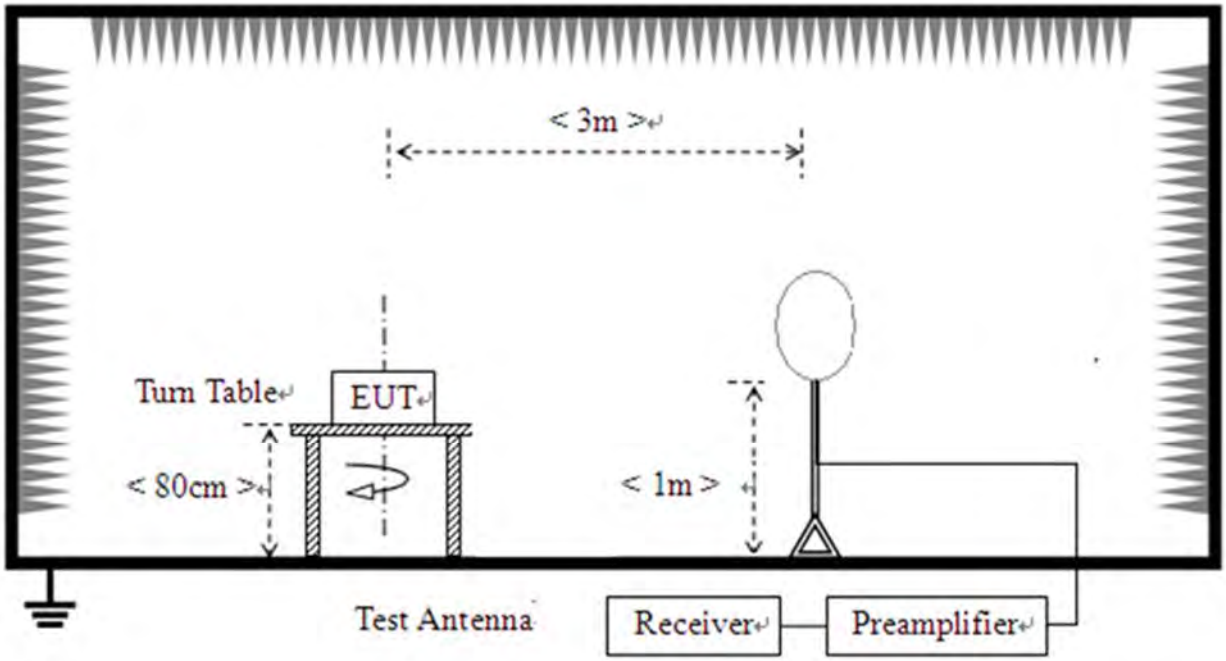


2.6.2.Conducted Emission Measurement

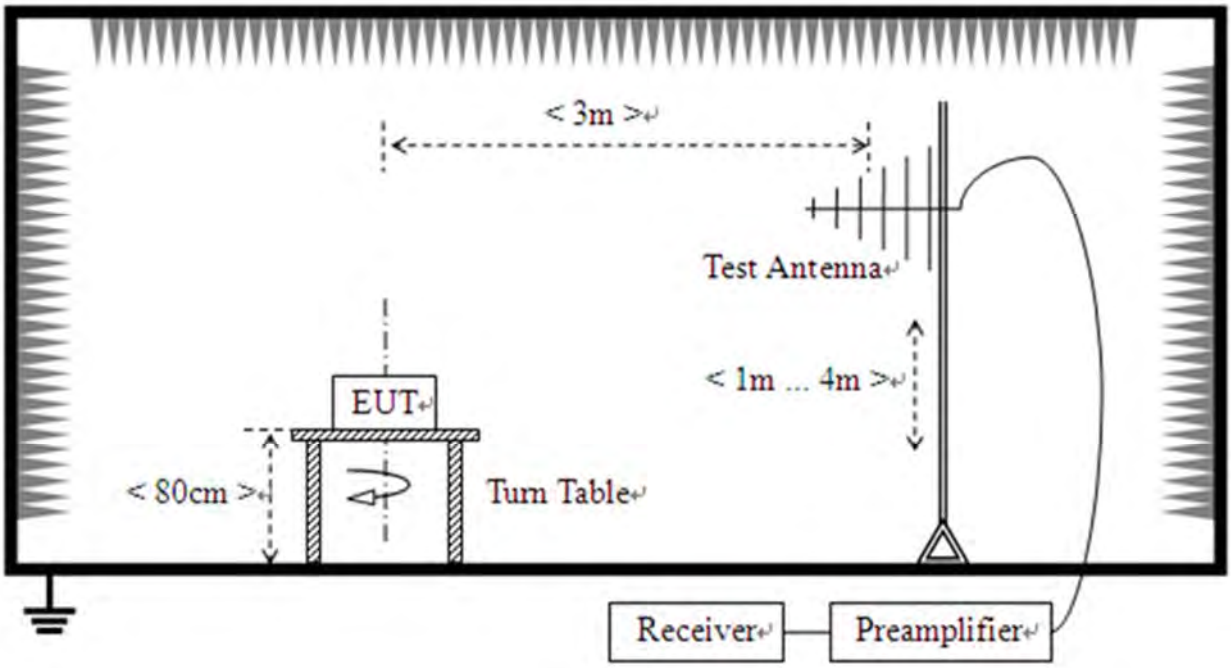


2.6.3.Radiation Measurement

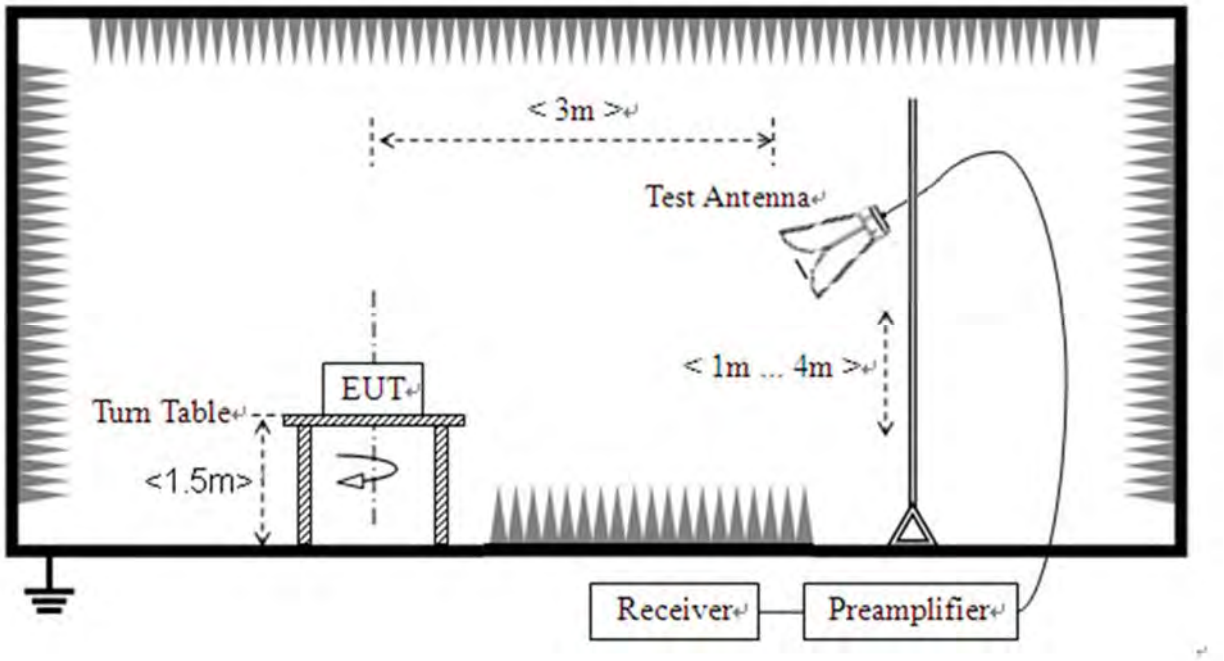
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



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 ☐On-board 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 ±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 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 peak conducted output power of the intentional radiator shall not exceed 1 Watt.

3.3.2.Test Procedures

KDB 558074 Section 8.3.1 was used in order to prove compliance.

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 in this report.

3.4. Maximum Average Conducted Output Power

3.4.1.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 average conducted output power of the intentional radiator shall not exceed 1 Watt.

3.4.2.Test Procedures

KDB 558074 Section 8.3.2 was used in order to prove compliance.

3.4.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.4.Test Result

Refer to Annex A.3 in this report.

3.5.6 dB Bandwidth

3.5.1.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.

3.5.1.Test Procedures

The steps for the first option are as follows:
a) Set analyzer center frequency to channel center frequency
b) Set RBW to100kHz
c) Set VBW to 300kHz
d) Detector = peak.
e) Trace mode = max hold
f) Sweep time = auto couple
g) Allow the trace to fully stabilize
h) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by6 dB relative to the maximum level measured in the fundamental emission
The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 ×RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥6 dB.

3.5.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.3.Test Result

Refer to Annex A.4 in this report.

3.6. Conducted Spurious Emissions and Band Edge

3.6.1.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.

3.6.2.Test Procedures

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

3.6.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4.Test Result

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

3.7. Power Spectral Density

3.7.1.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.

3.7.2.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 to1.5 times DTS
c) Set RBW to 3kHz
d) Set VBW to 10kHz
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 within the RBW

3.7.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.7.4.Test Result

Refer to Annex A.7 in this report.

3.8. Conducted Emission

3.8.1.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 50μH/50Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dBμV)	
	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.

3.8.2.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.

3.8.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.8.4.Test Result

Refer to Annex A.8 in this report.

3.9. Restricted Frequency Bands

3.9.1.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).

3.9.2.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 ≥ 1GHz, 100 kHz for f < 1GHz
VBW = 3 MHz
Sweep = auto
Detector function = peak/average
Trace = max hold
Allow the trace to stabilize

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.9 in this report.

3.10. Radiated Emission

3.10.1.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 (μV/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).

3.10.2.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.

3.10.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.10.4.Test Result

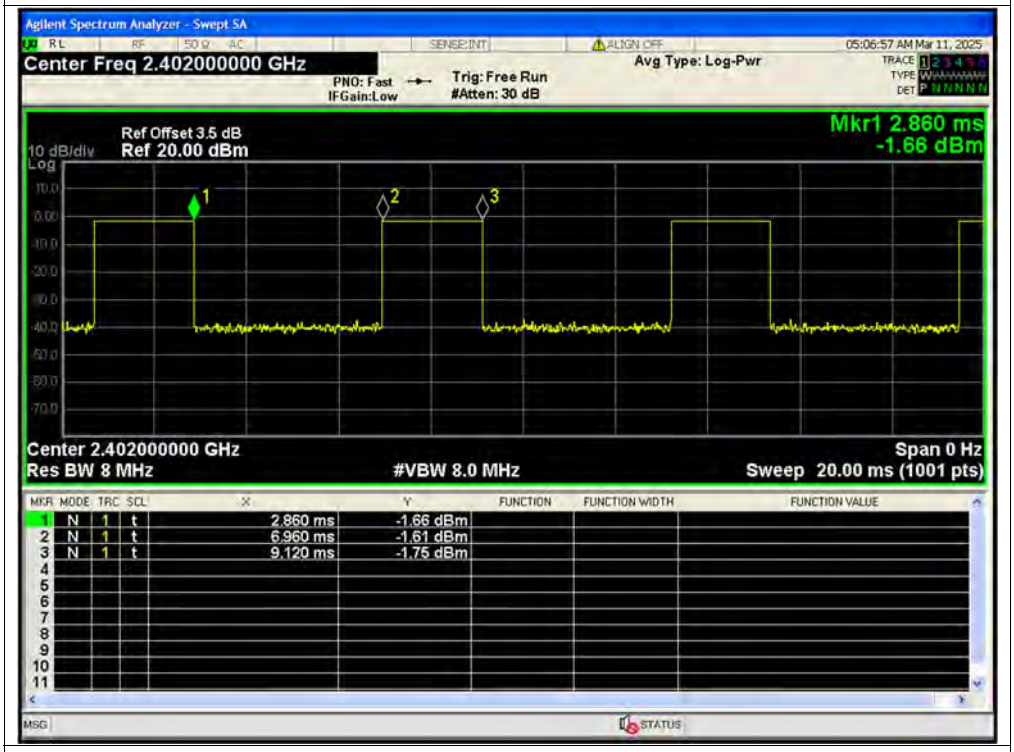
Refer to Annex A.10 in this report.

Annex A Test Data and Result

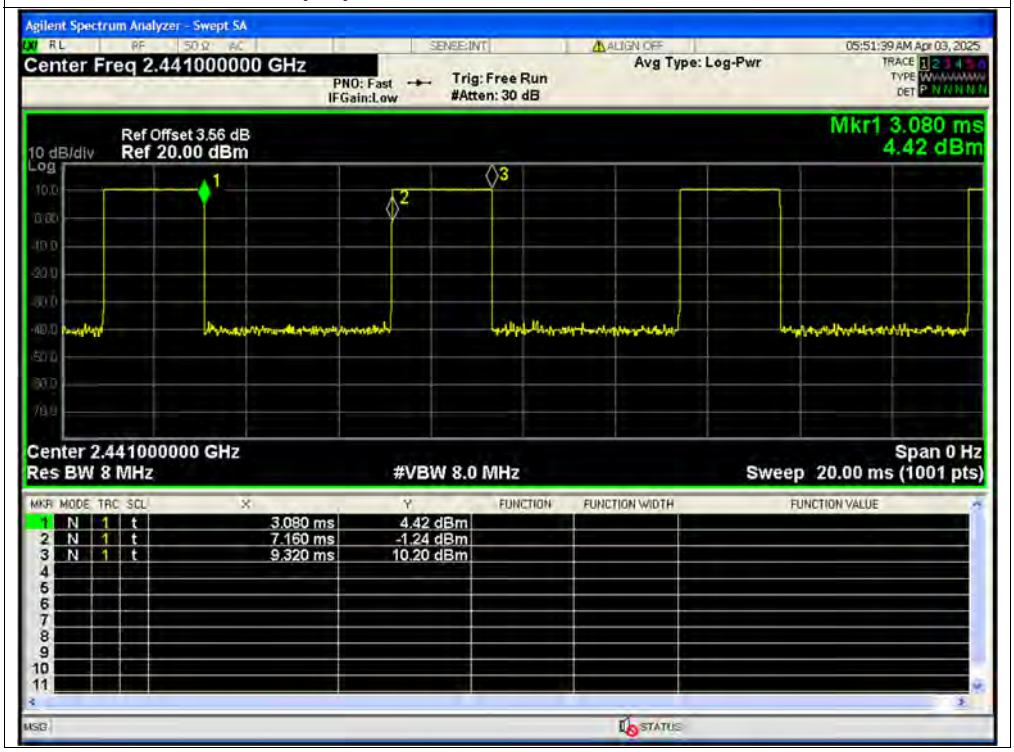
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	SLE 1M	2402	Ant1	34.5	4.62	0.46
NVNT	SLE 1M	2441	Ant1	34.62	4.61	0.46
NVNT	SLE 1M	2480	Ant1	34.29	4.65	0.47
NVNT	SLE 2M	2404	Ant1	12.5	9.03	1.28
NVNT	SLE 2M	2442	Ant1	12.78	8.93	1.25
NVNT	SLE 2M	2478	Ant1	12.5	9.03	1.28
NVNT	SLE 4M	2405	Ant1	4.49	13.48	3.57
NVNT	SLE 4M	2441	Ant1	4.47	13.49	3.57
NVNT	SLE 4M	2477	Ant1	4.47	13.49	3.57

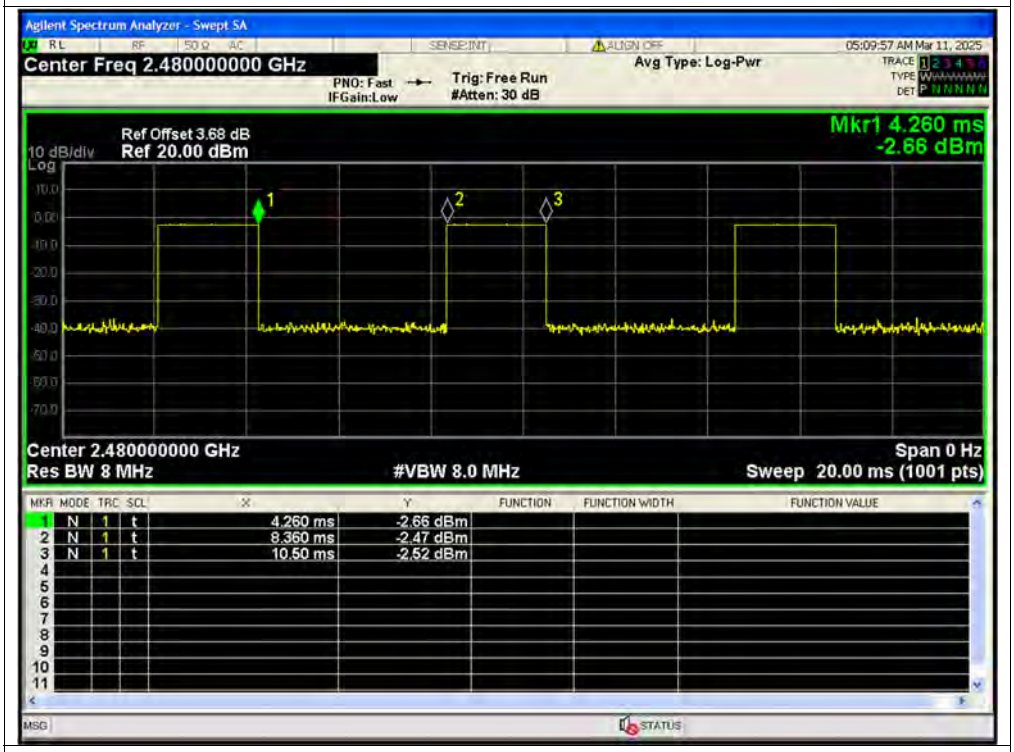
Test Graphs
Duty Cycle NVNT SLE 1M 2402MHz Ant1



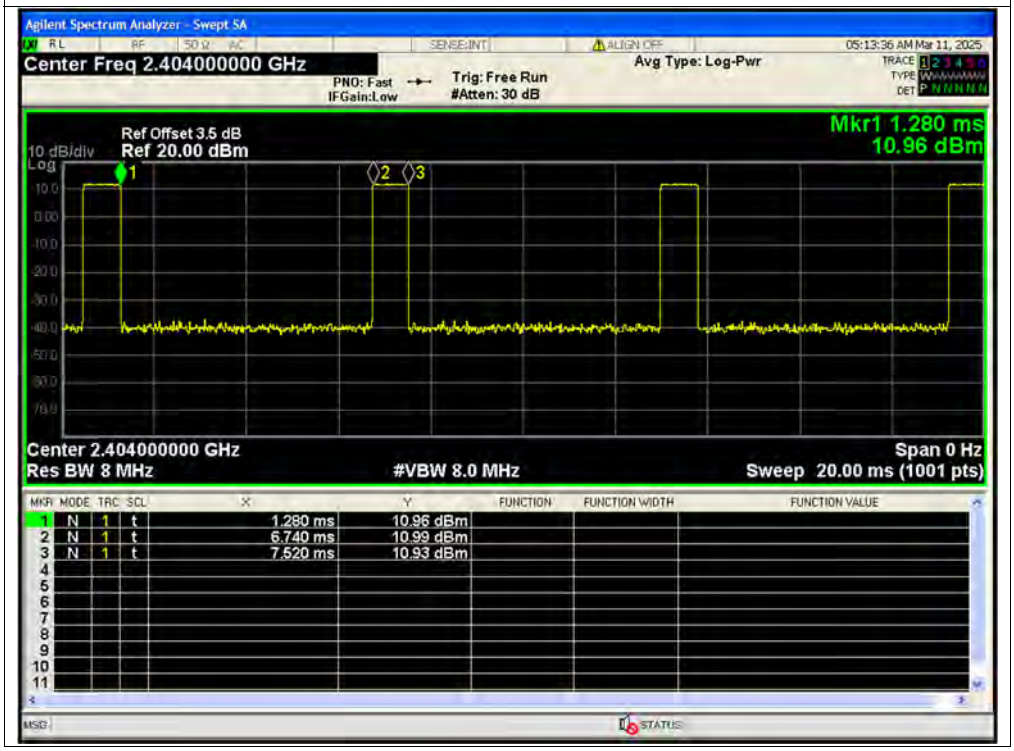
Duty Cycle NVNT SLE 1M 2441MHz Ant1



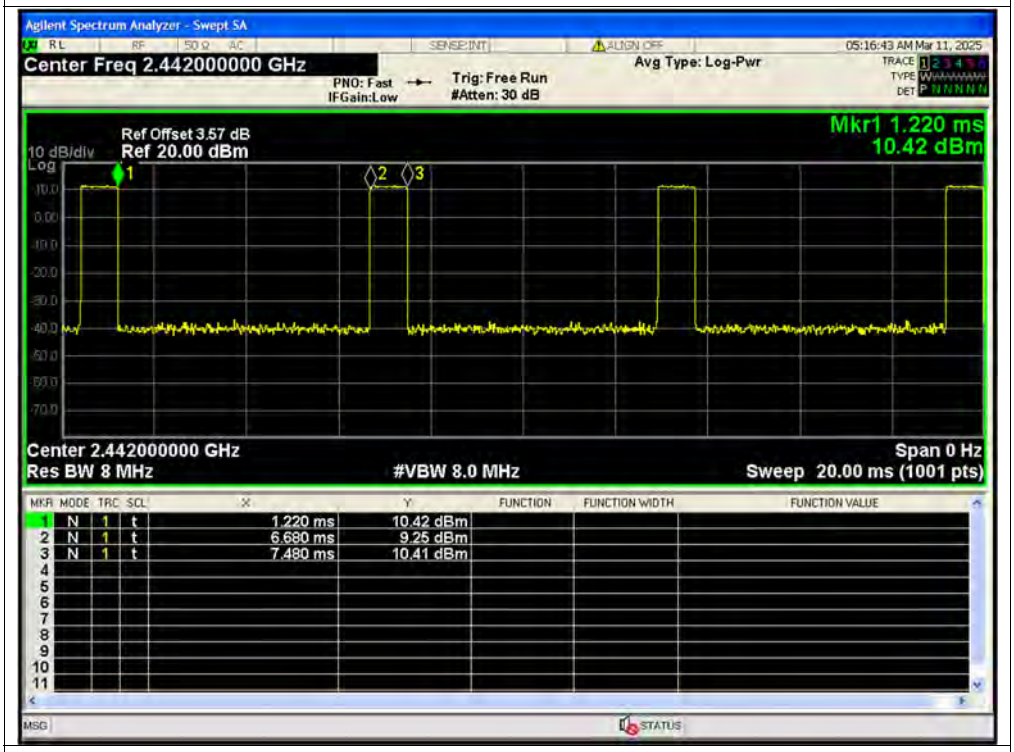
Duty Cycle NVNT SLE 1M 2480MHz Ant1



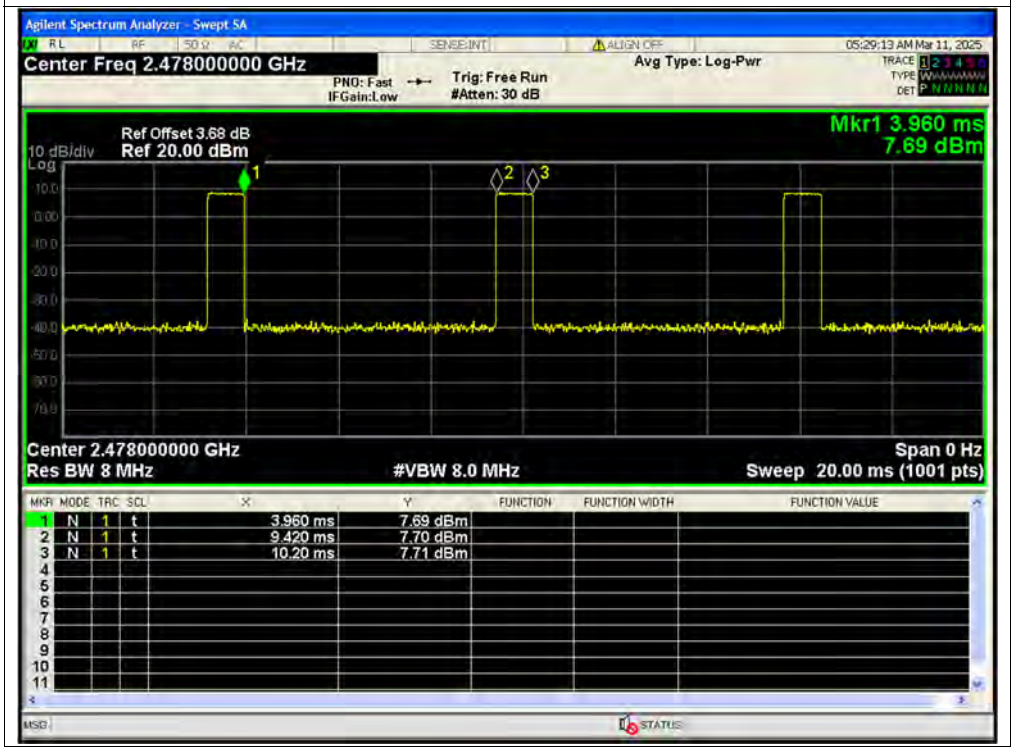
Duty Cycle NVNT SLE 2M 2404MHz Ant1



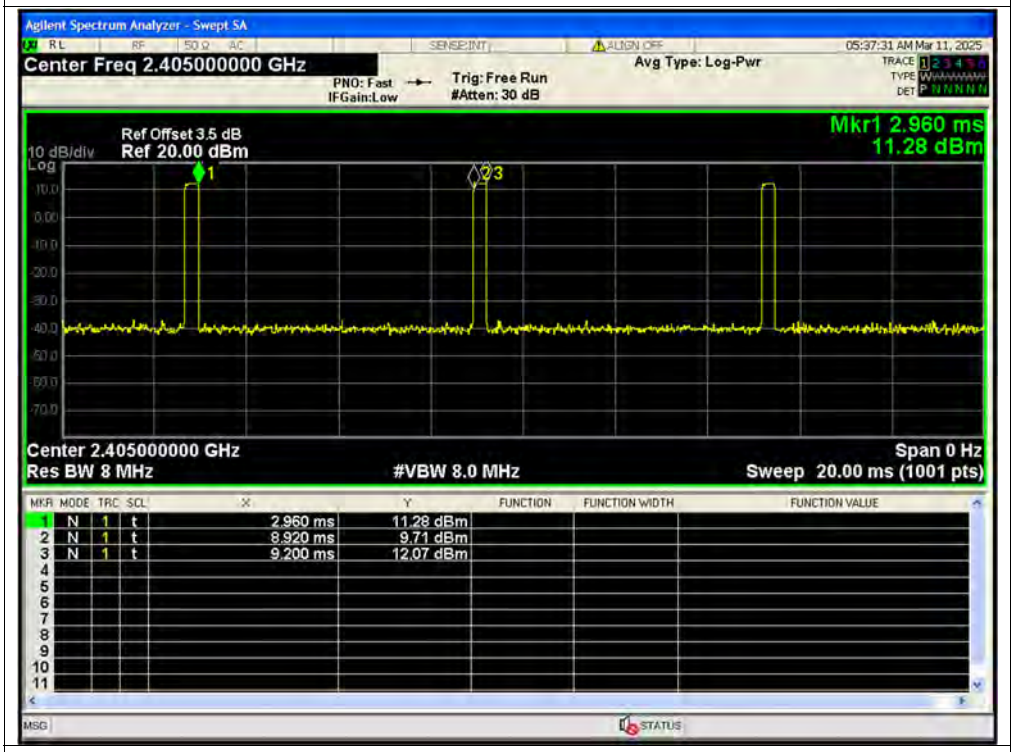
Duty Cycle NVNT SLE 2M 2442MHz Ant1



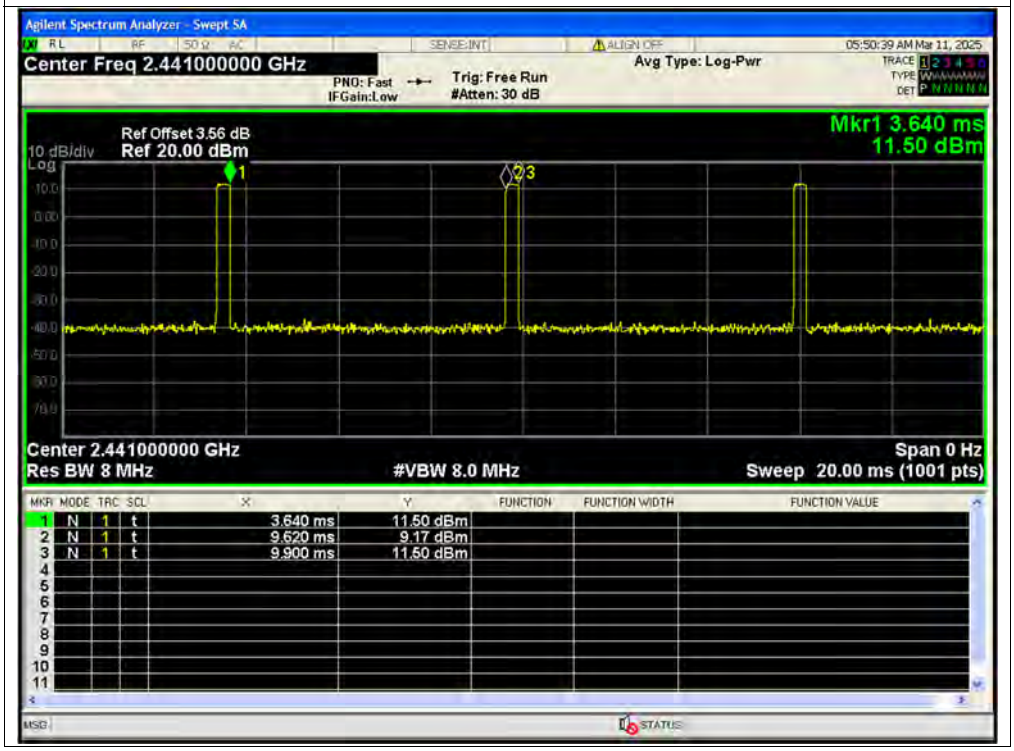
Duty Cycle NVNT SLE 2M 2478MHz Ant1

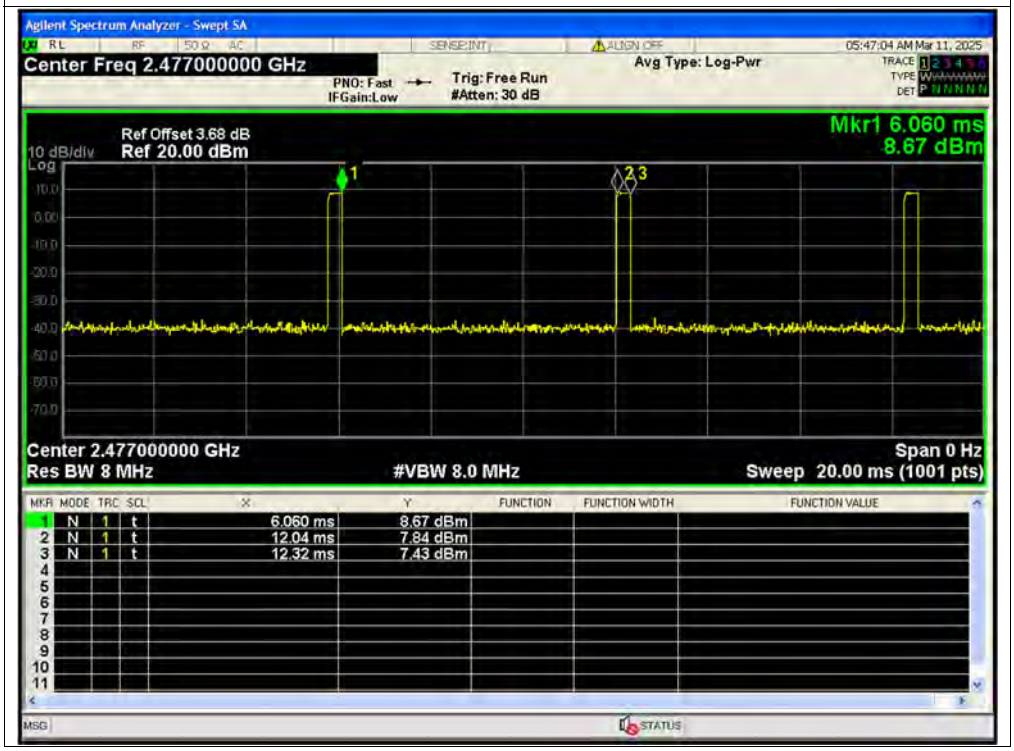


Duty Cycle NVNT SLE 4M 2405MHz Ant1



Duty Cycle NVNT SLE 4M 2441MHz Ant1



Duty Cycle NVNT SLE 4M 2477MHz Ant1


A.2. Maximum Peak Conducted Output Power

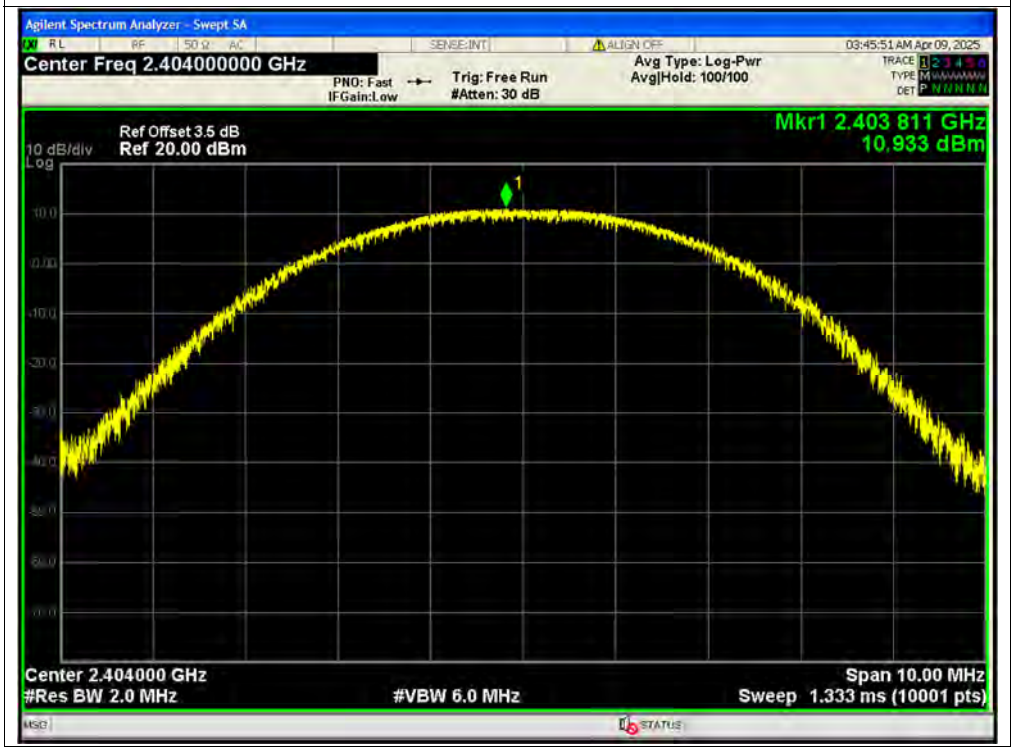
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	SLE 1M	2402	Ant1	-1.64	0	-1.64	0.00069	30	Pass
NVNT	SLE 1M	2441	Ant1	10.27	0	10.27	0.01064	30	Pass
NVNT	SLE 1M	2480	Ant1	-2.53	0	-2.53	0.00056	30	Pass
NVNT	SLE 2M	2404	Ant1	10.93	0	10.93	0.01239	30	Pass
NVNT	SLE 2M	2442	Ant1	12.19	0	12.19	0.01656	30	Pass
NVNT	SLE 2M	2478	Ant1	9.01	0	9.01	0.00796	30	Pass
NVNT	SLE 4M	2405	Ant1	9.6	0	9.6	0.00912	30	Pass
NVNT	SLE 4M	2441	Ant1	9.09	0	9.09	0.00811	30	Pass
NVNT	SLE 4M	2477	Ant1	6.42	0	6.42	0.00439	30	Pass

Test Graphs
Peak Power NVNT SLE 1M 2402MHz Ant1

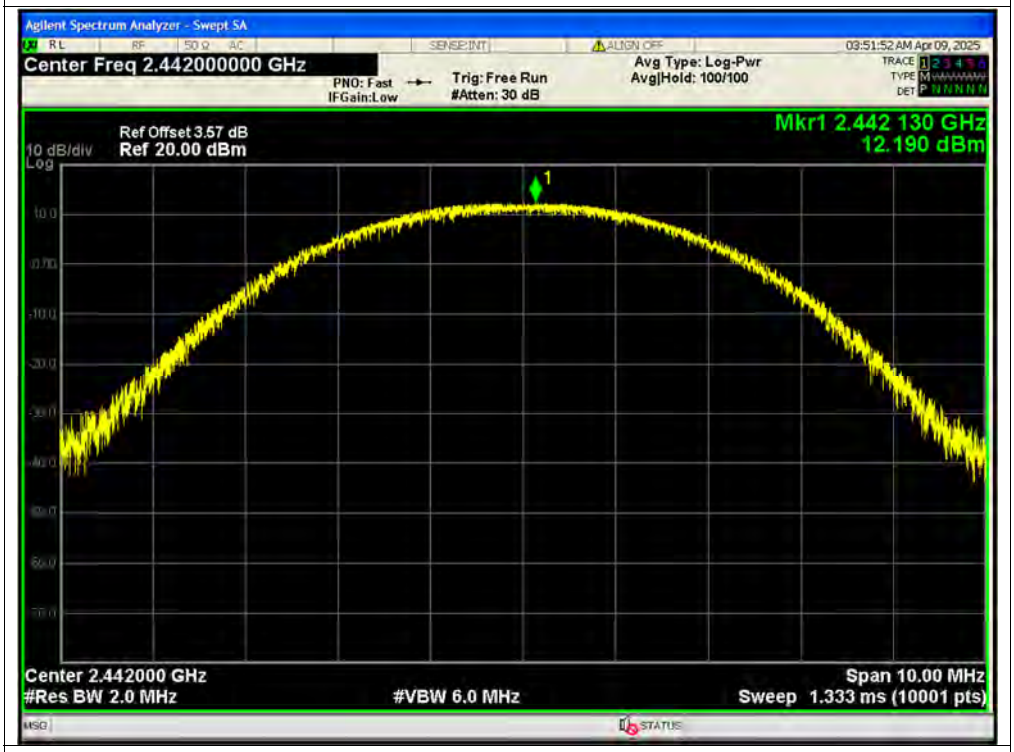
Peak Power NVNT SLE 1M 2441MHz Ant1

Peak Power NVNT SLE 1M 2480MHz Ant1

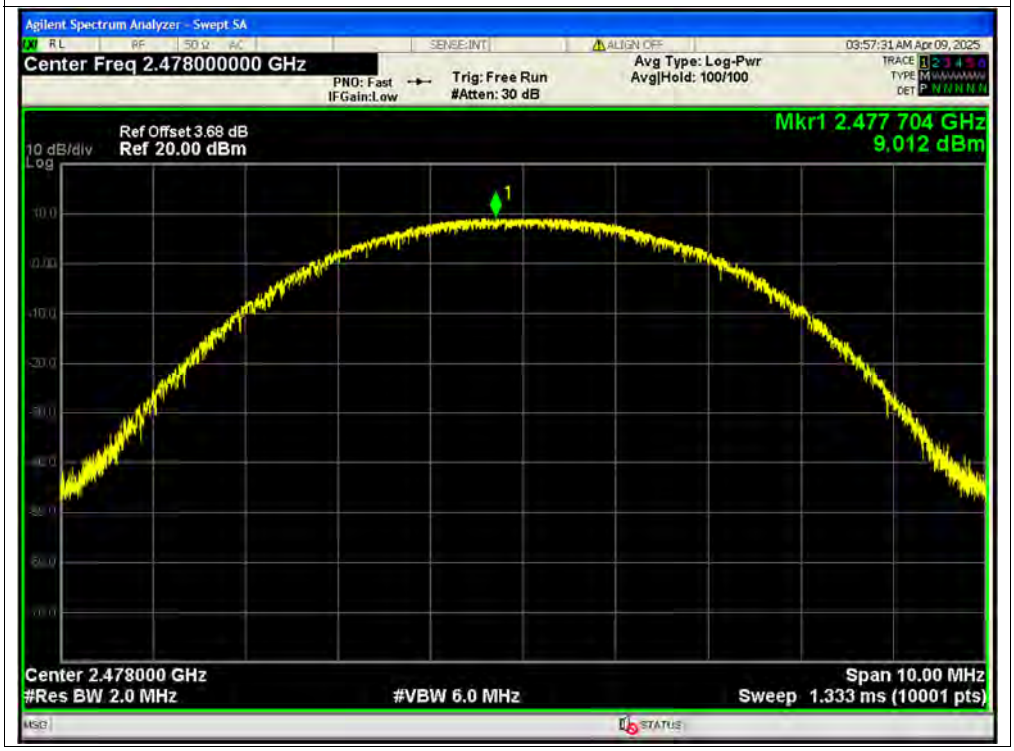
Peak Power NVNT SLE 2M 2404MHz Ant1



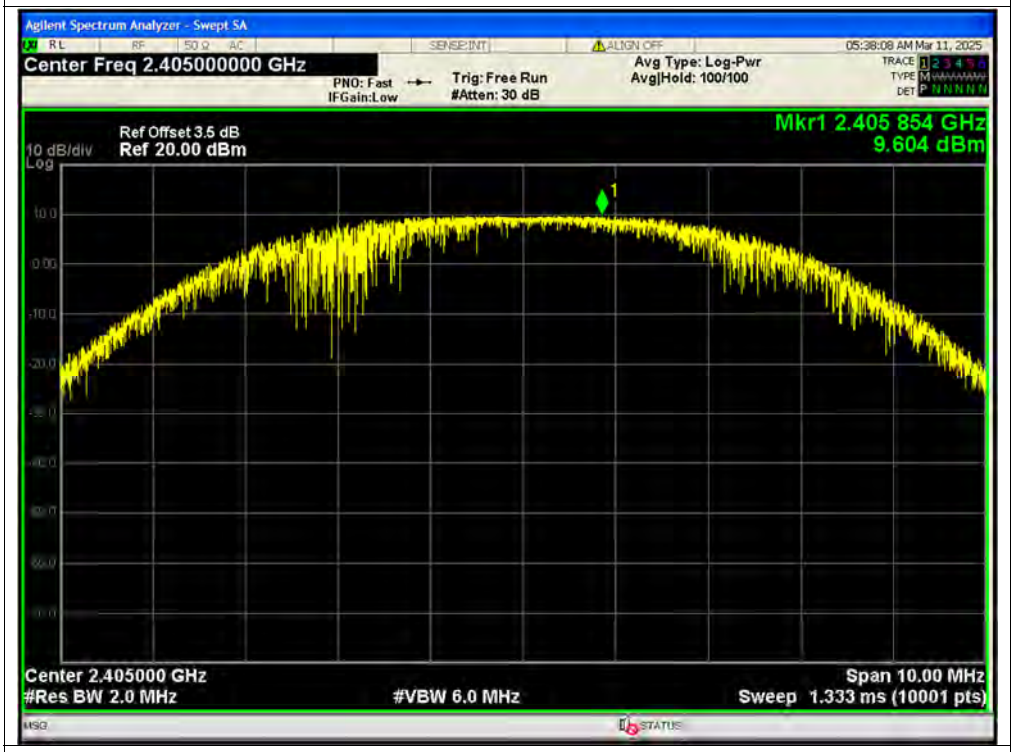
Peak Power NVNT SLE 2M 2442MHz Ant1



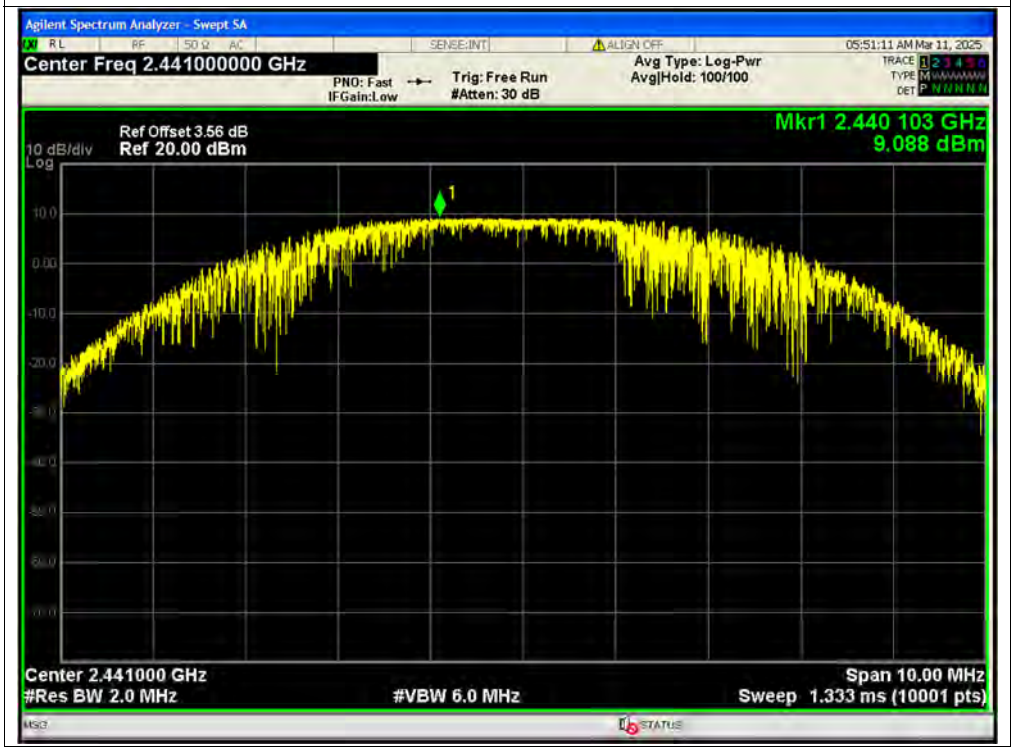
Peak Power NVNT SLE 2M 2478MHz Ant1



Peak Power NVNT SLE 4M 2405MHz Ant1



Peak Power NVNT SLE 4M 2441MHz Ant1

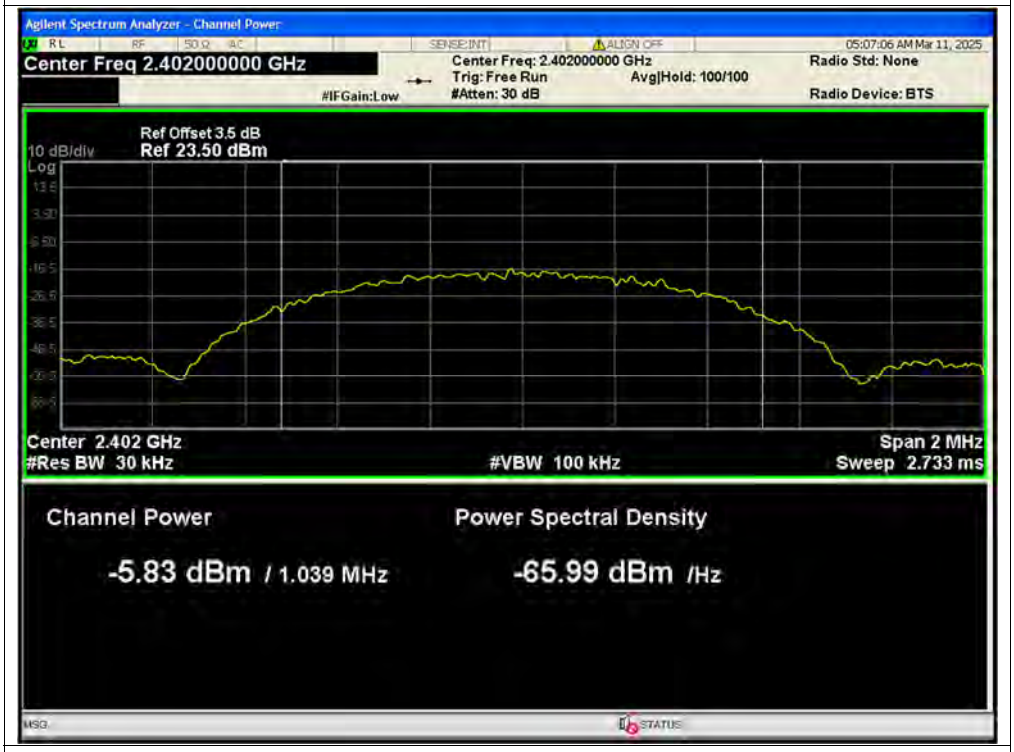


Peak Power NVNT SLE 4M 2477MHz Ant1

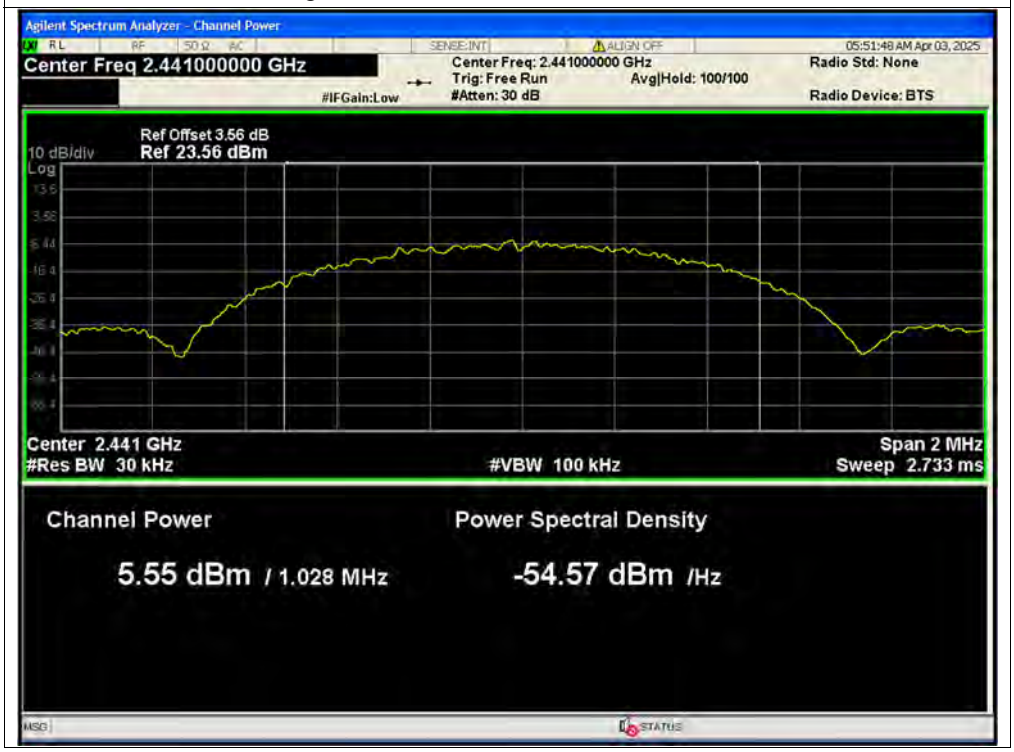

A.3. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	SLE 1M	2402	Ant1	-5.83	4.62	-1.21	0.00076	30	Pass
NVNT	SLE 1M	2441	Ant1	5.55	4.61	10.16	0.01038	30	Pass
NVNT	SLE 1M	2480	Ant1	-6.8	4.65	-2.15	0.00061	30	Pass
NVNT	SLE 2M	2404	Ant1	-0.46	9.03	8.57	0.00719	30	Pass
NVNT	SLE 2M	2442	Ant1	0.74	8.93	9.67	0.00927	30	Pass
NVNT	SLE 2M	2478	Ant1	-2.25	9.03	6.78	0.00476	30	Pass
NVNT	SLE 4M	2405	Ant1	-4.75	13.48	8.73	0.00746	30	Pass
NVNT	SLE 4M	2441	Ant1	-5.4	13.49	8.09	0.00644	30	Pass
NVNT	SLE 4M	2477	Ant1	-7.89	13.49	5.6	0.00363	30	Pass

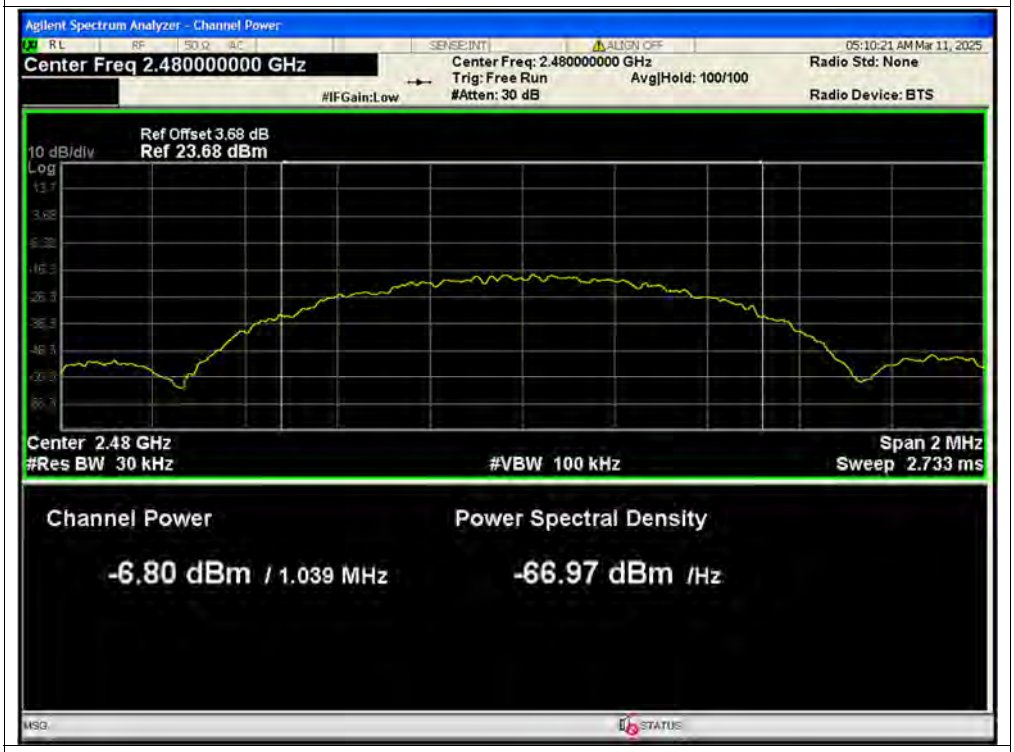
Test Graphs
Average Power NVNT SLE 1M 2402MHz Ant1



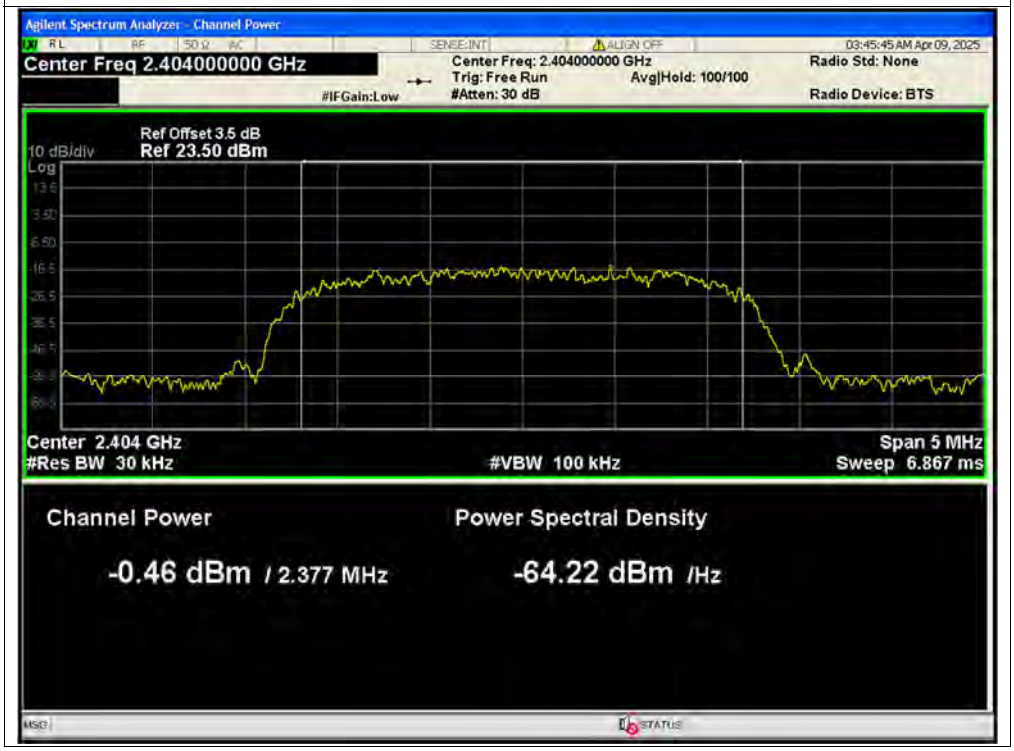
Average Power NVNT SLE 1M 2441MHz Ant1



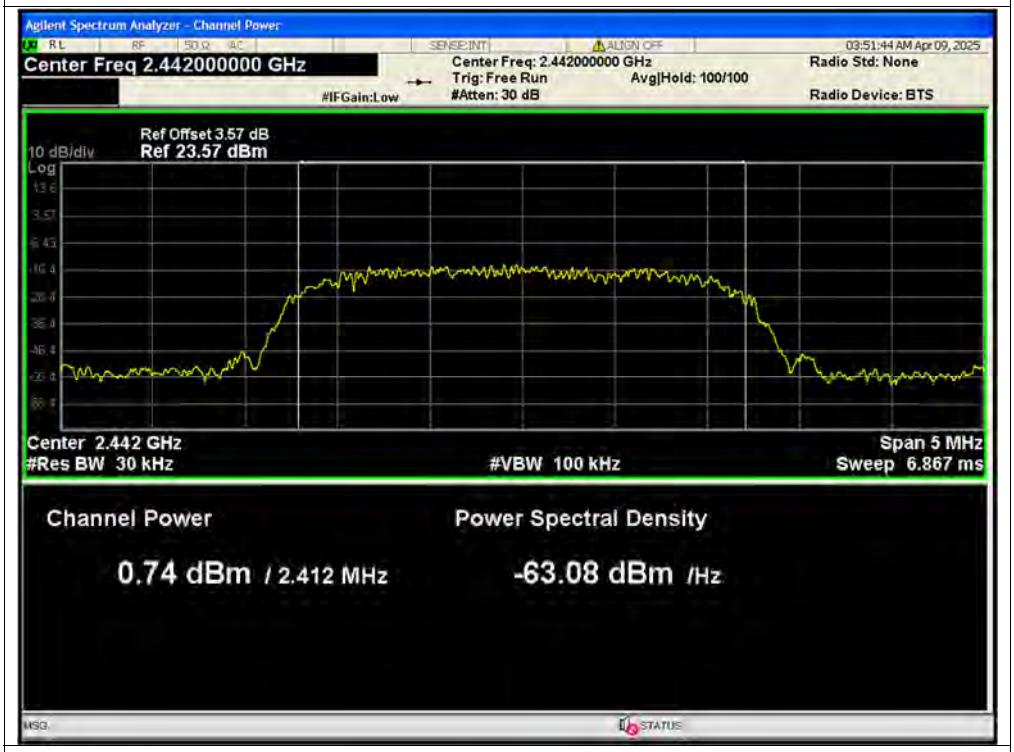
Average Power NVNT SLE 1M 2480MHz Ant1



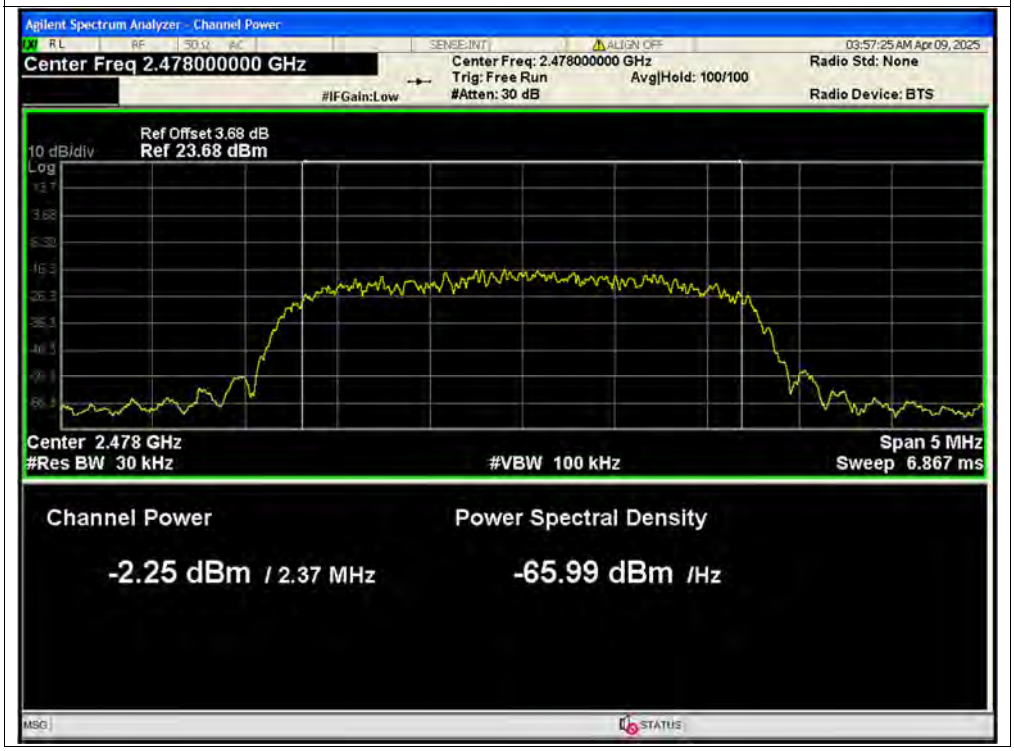
Average Power NVNT SLE 2M 2404MHz Ant1



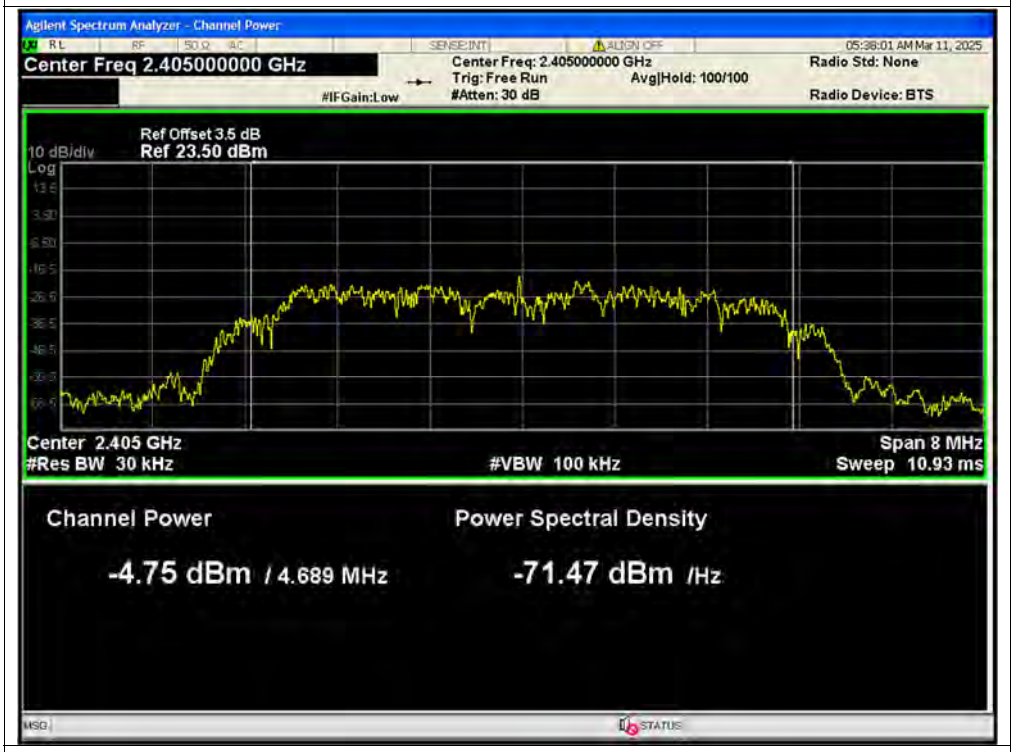
Average Power NVNT SLE 2M 2442MHz Ant1



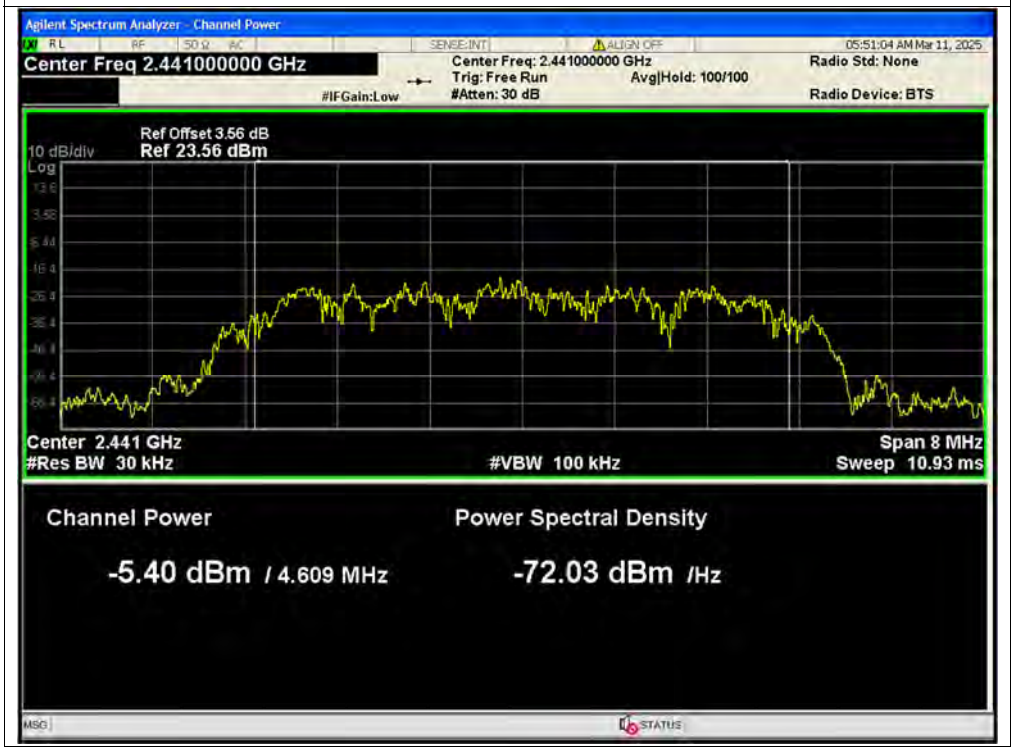
Average Power NVNT SLE 2M 2478MHz Ant1

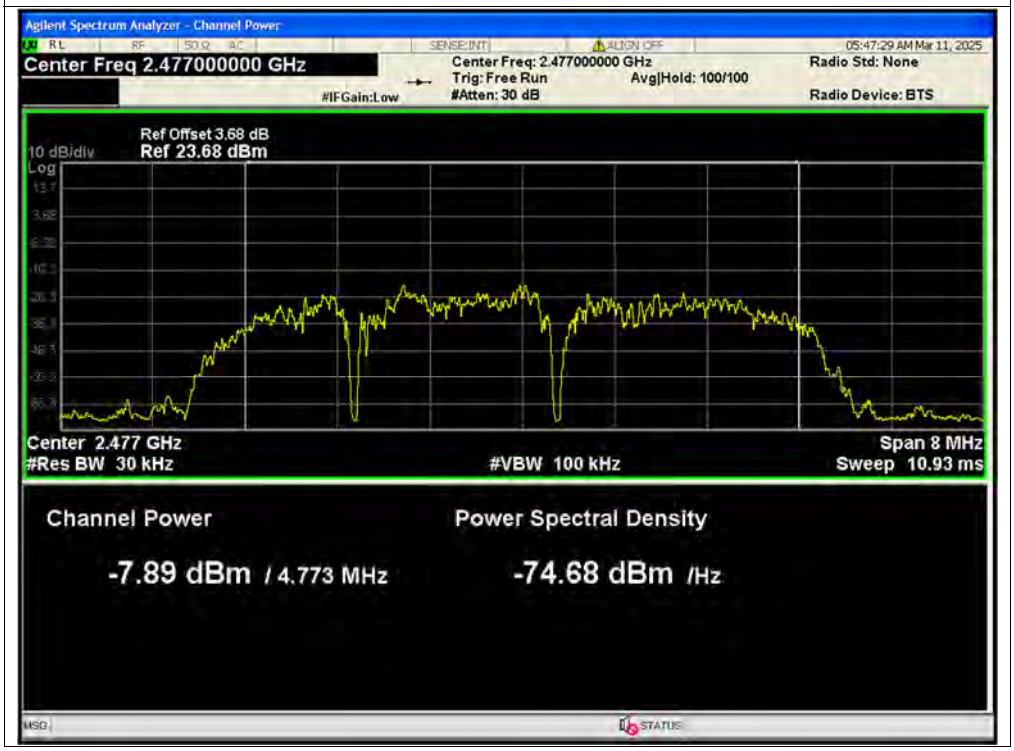


Average Power NVNT SLE 4M 2405MHz Ant1



Average Power NVNT SLE 4M 2441MHz Ant1



Average Power NVNT SLE 4M 2477MHz Ant1


A.4. 6 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	SLE 1M	2402	Ant1	0.6506	0.5	Pass
NVNT	SLE 1M	2441	Ant1	0.6636	0.5	Pass
NVNT	SLE 1M	2480	Ant1	0.6449	0.5	Pass
NVNT	SLE 2M	2404	Ant1	2.025	0.5	Pass
NVNT	SLE 2M	2442	Ant1	2.049	0.5	Pass
NVNT	SLE 2M	2478	Ant1	1.736	0.5	Pass
NVNT	SLE 4M	2405	Ant1	3.641	0.5	Pass
NVNT	SLE 4M	2441	Ant1	4.021	0.5	Pass
NVNT	SLE 4M	2477	Ant1	4.041	0.5	Pass

Test Graphs
-6dB Bandwidth NVNT SLE 1M 2402MHz Ant1

-6dB Bandwidth NVNT SLE 1M 2441MHz Ant1

-6dB Bandwidth NVNT SLE 1M 2480MHz Ant1

-6dB Bandwidth NVNT SLE 2M 2404MHz Ant1

-6dB Bandwidth NVNT SLE 2M 2442MHz Ant1

-6dB Bandwidth NVNT SLE 2M 2478MHz Ant1

-6dB Bandwidth NVNT SLE 4M 2405MHz Ant1

-6dB Bandwidth NVNT SLE 4M 2441MHz Ant1

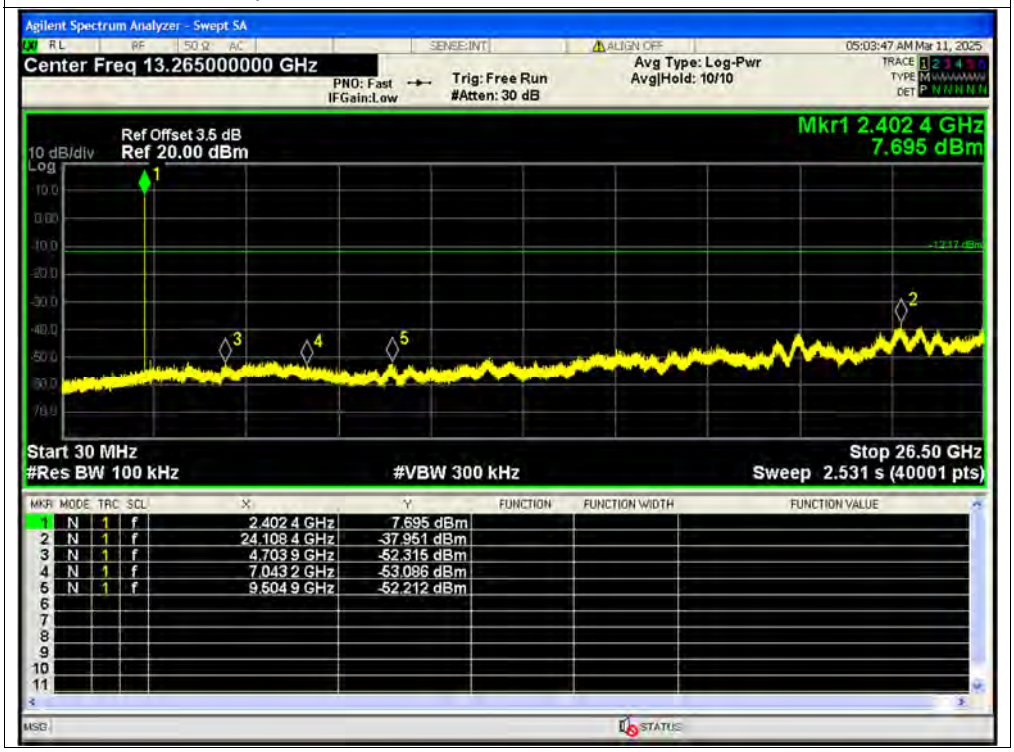
-6dB Bandwidth NVNT SLE 4M 2477MHz Ant1

A.5. Conducted Spurious Emissions

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	SLE 1M	2402	Ant1	-45.78	-20	Pass
NVNT	SLE 1M	2441	Ant1	-47.69	-20	Pass
NVNT	SLE 1M	2480	Ant1	-35.5	-20	Pass
NVNT	SLE 2M	2404	Ant1	-43.25	-20	Pass
NVNT	SLE 2M	2442	Ant1	-46.24	-20	Pass
NVNT	SLE 2M	2478	Ant1	-40.89	-20	Pass
NVNT	SLE 4M	2405	Ant1	-45.79	-20	Pass
NVNT	SLE 4M	2441	Ant1	-46.99	-20	Pass
NVNT	SLE 4M	2477	Ant1	-37.19	-20	Pass

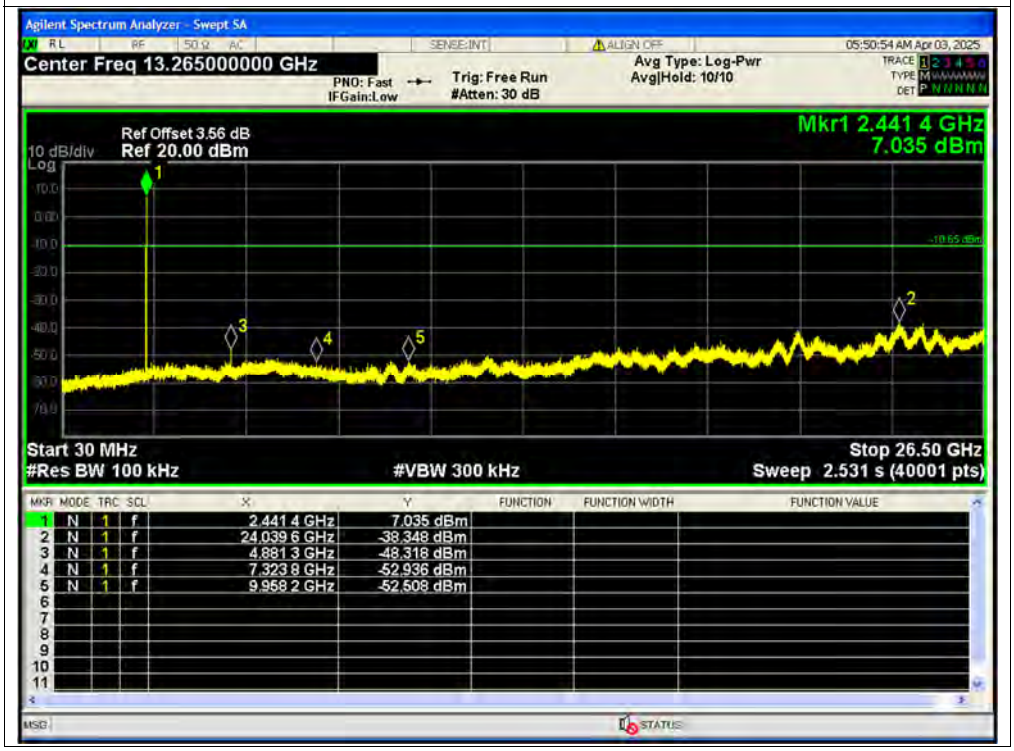
Test Graphs
Tx. Spurious NVNT SLE 1M 2402MHz Ant1 Ref

Tx. Spurious NVNT SLE 1M 2402MHz Ant1 Emission



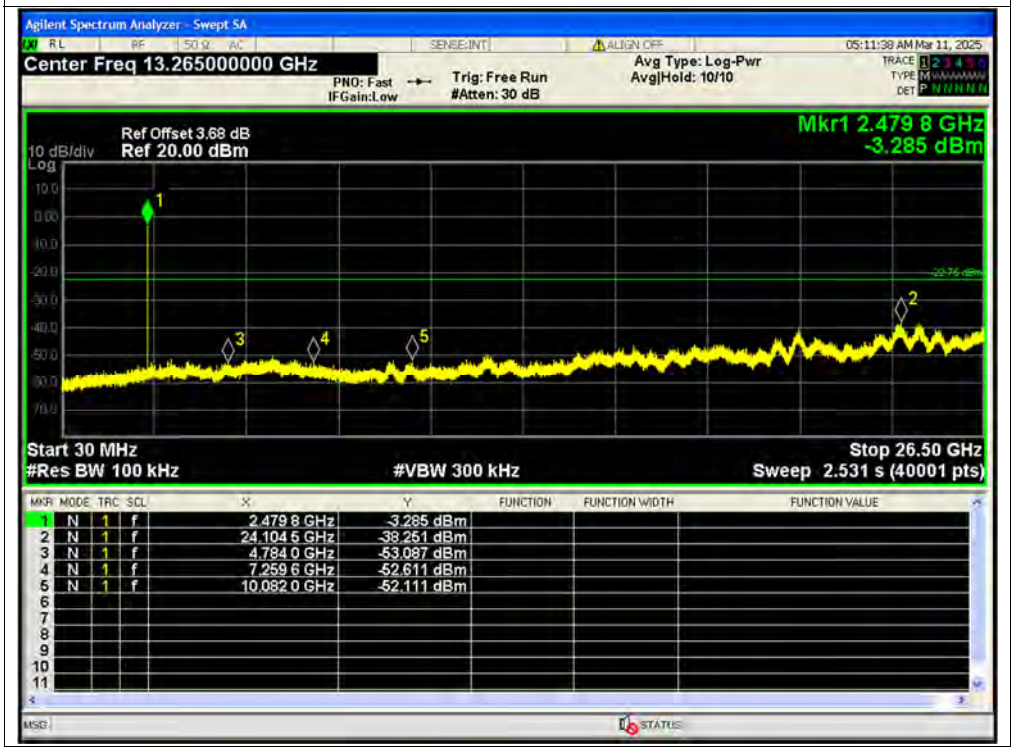
Tx. Spurious NVNT SLE 1M 2441MHz Ant1 Ref

Tx. Spurious NVNT SLE 1M 2441MHz Ant1 Emission



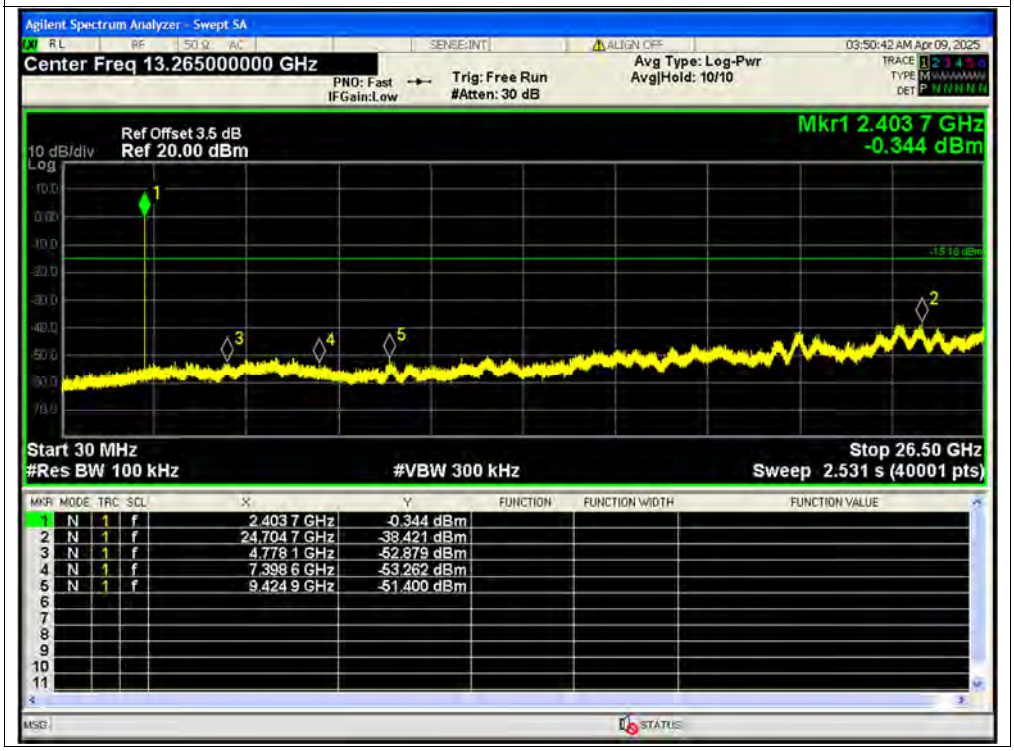
Tx. Spurious NVNT SLE 1M 2480MHz Ant1 Ref

Tx. Spurious NVNT SLE 1M 2480MHz Ant1 Emission



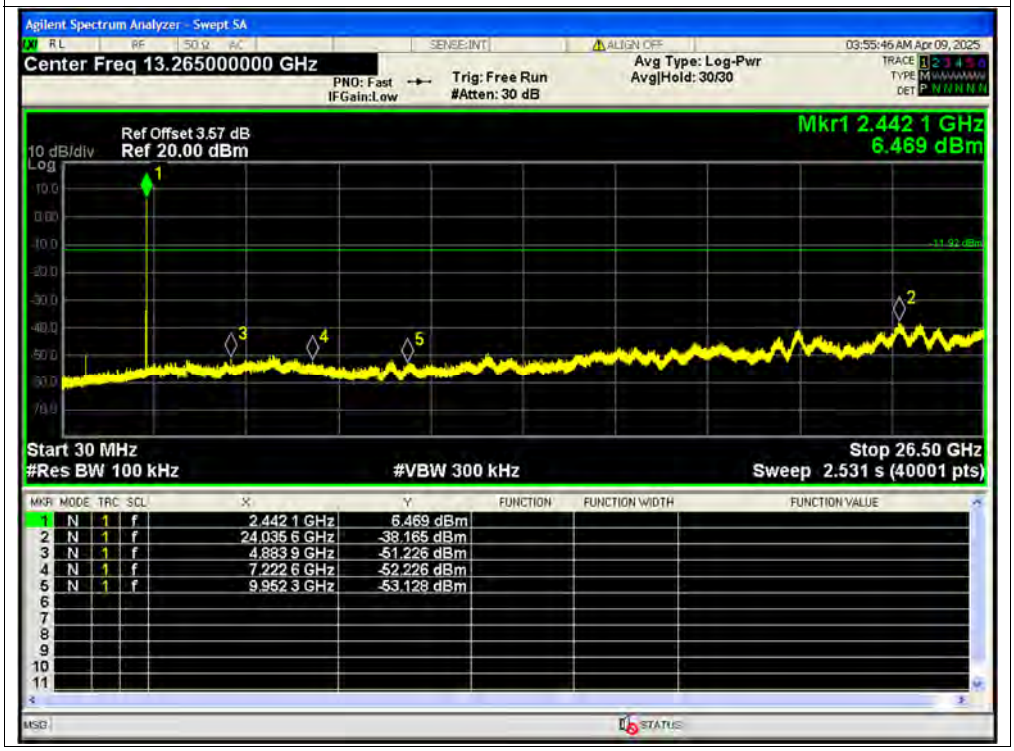
Tx. Spurious NVNT SLE 2M 2404MHz Ant1 Ref

Tx. Spurious NVNT SLE 2M 2404MHz Ant1 Emission



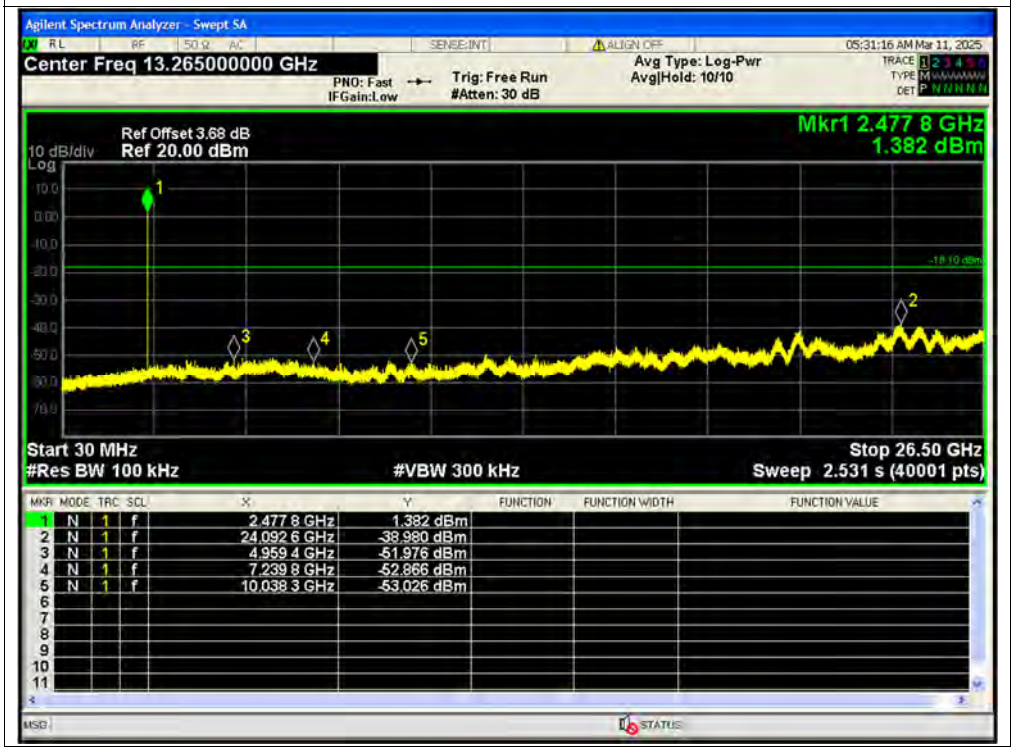
Tx. Spurious NVNT SLE 2M 2442MHz Ant1 Ref

Tx. Spurious NVNT SLE 2M 2442MHz Ant1 Emission

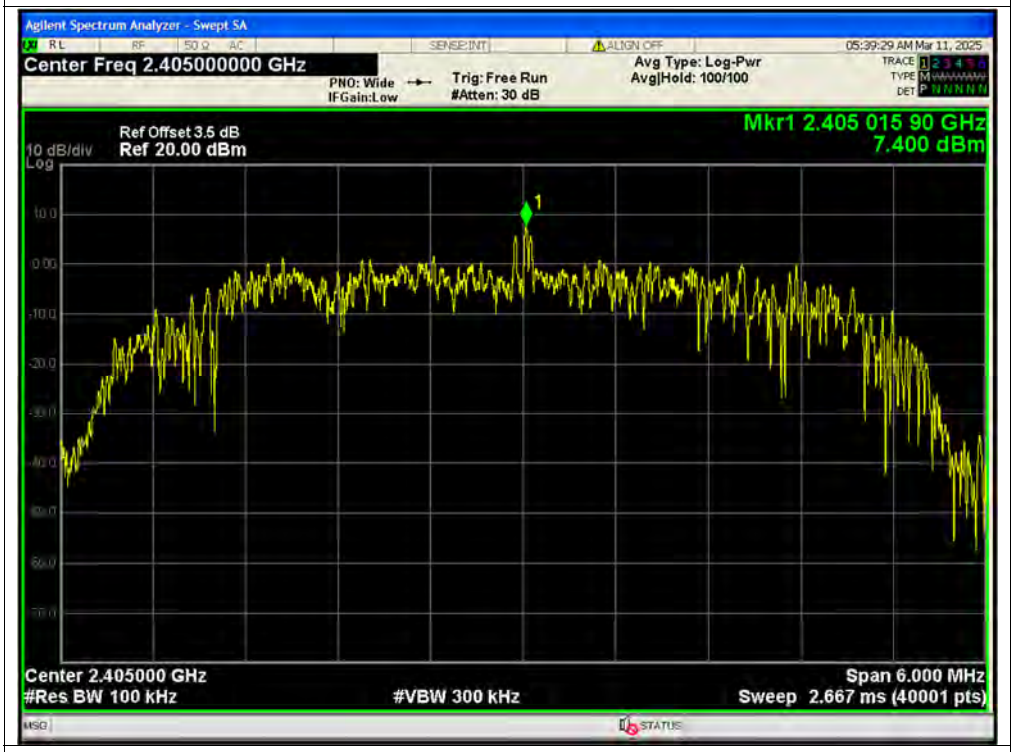


Tx. Spurious NVNT SLE 2M 2478MHz Ant1 Ref

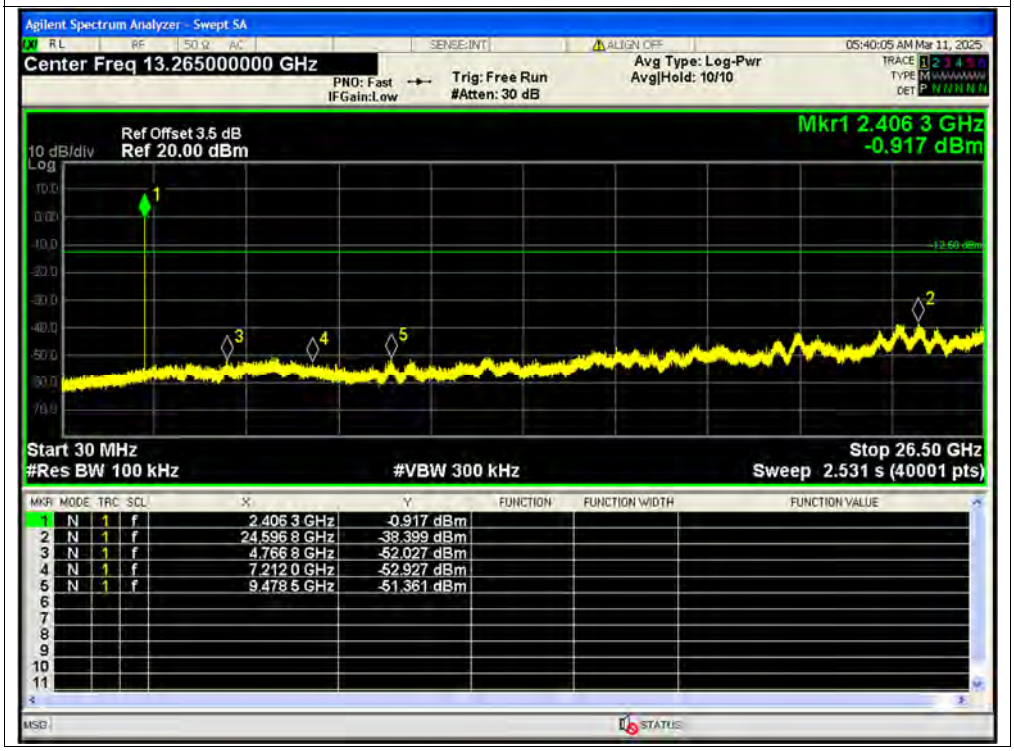
Tx. Spurious NVNT SLE 2M 2478MHz Ant1 Emission



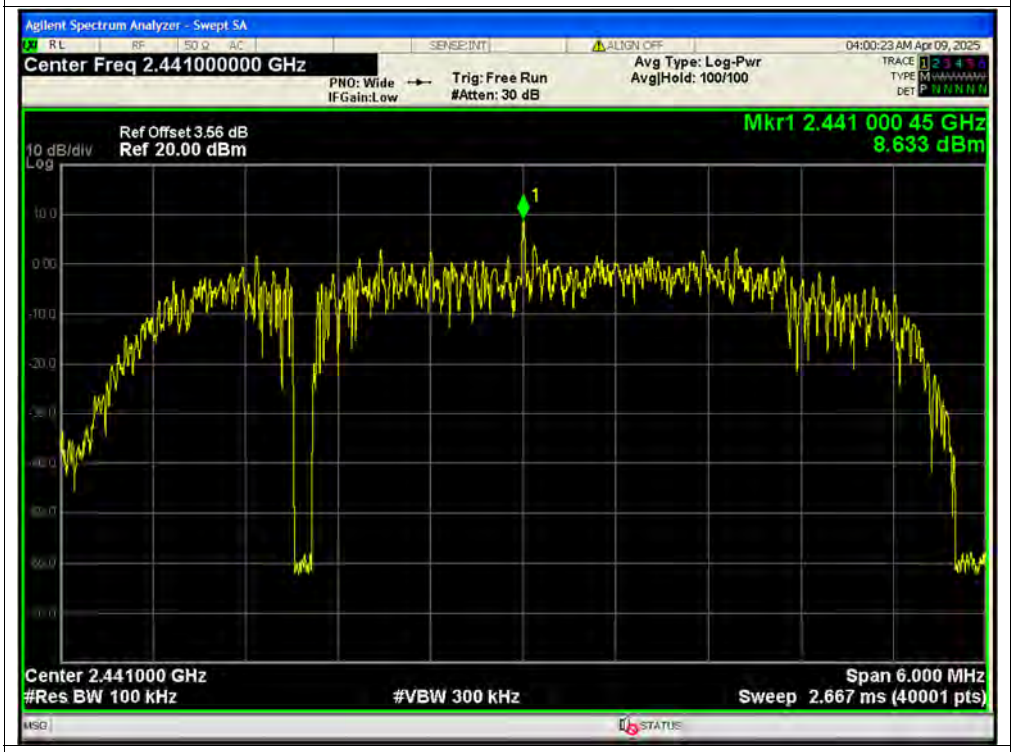
Tx. Spurious NVNT SLE 4M 2405MHz Ant1 Ref



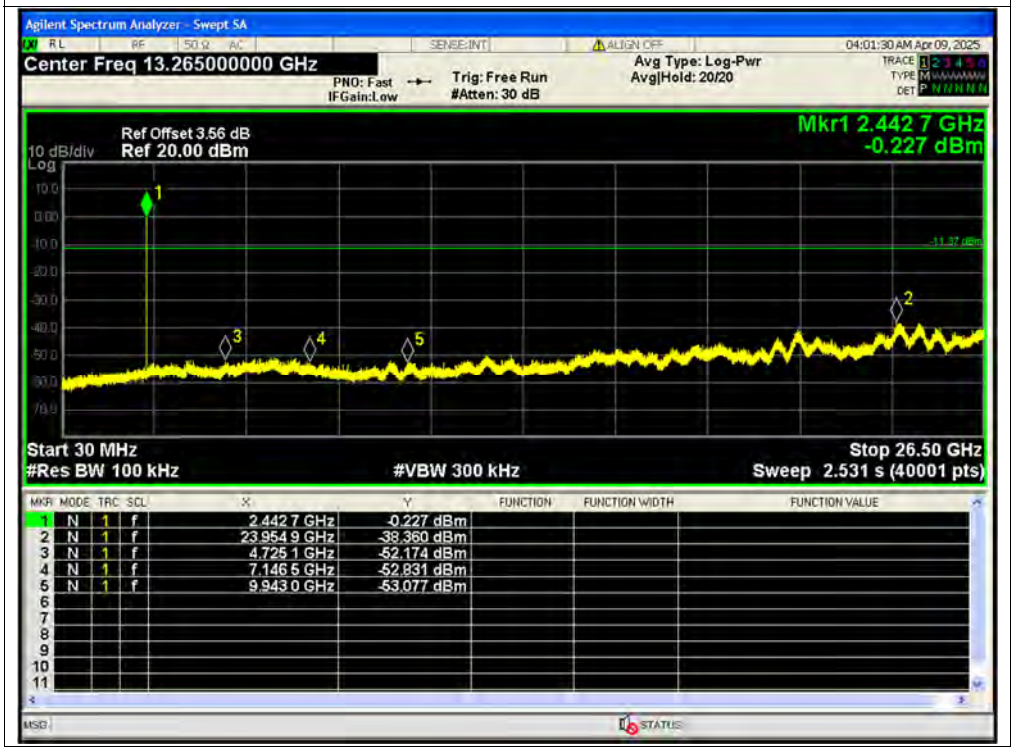
Tx. Spurious NVNT SLE 4M 2405MHz Ant1 Emission



Tx. Spurious NVNT SLE 4M 2441MHz Ant1 Ref

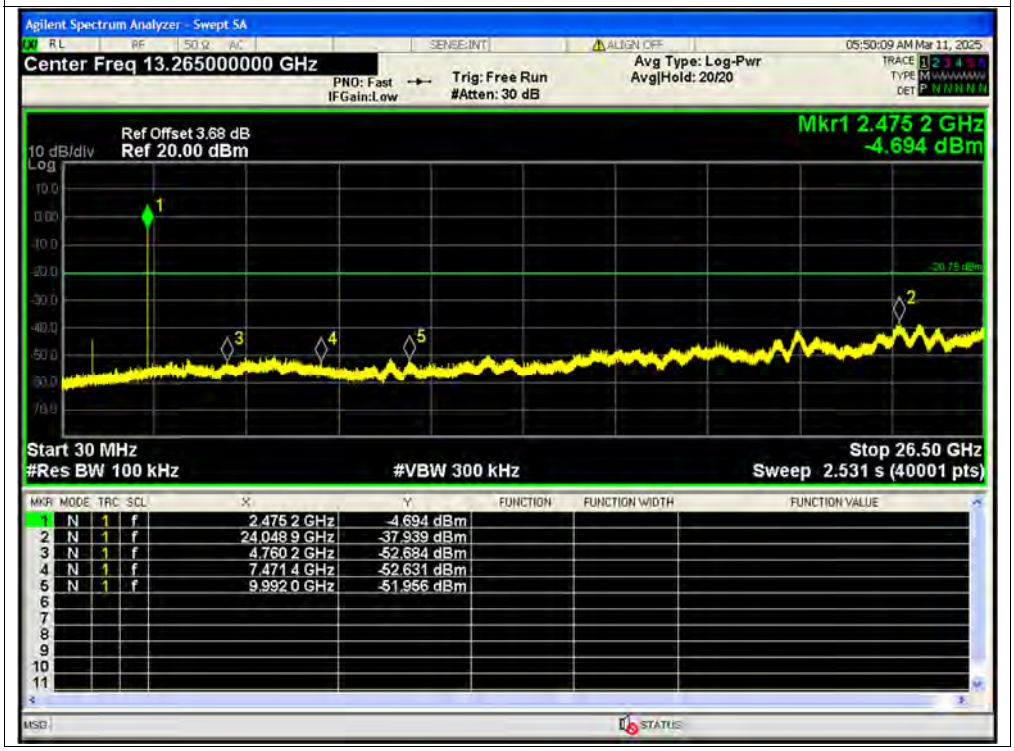


Tx. Spurious NVNT SLE 4M 2441MHz Ant1 Emission



Tx. Spurious NVNT SLE 4M 2477MHz Ant1 Ref

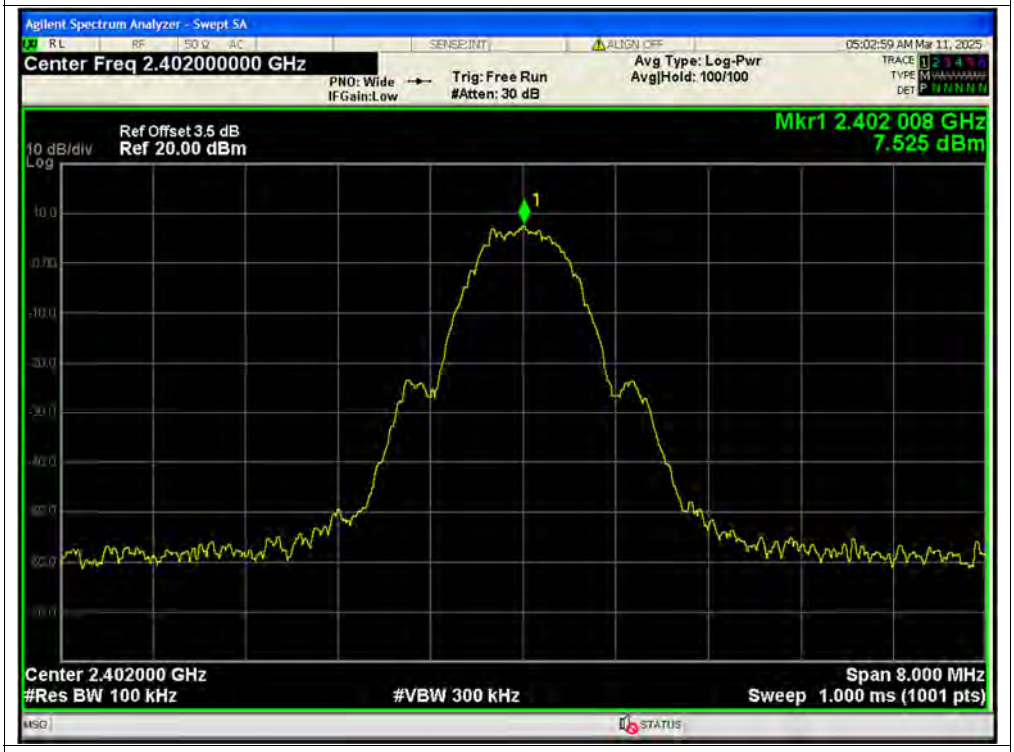
Tx. Spurious NVNT SLE 4M 2477MHz Ant1 Emission



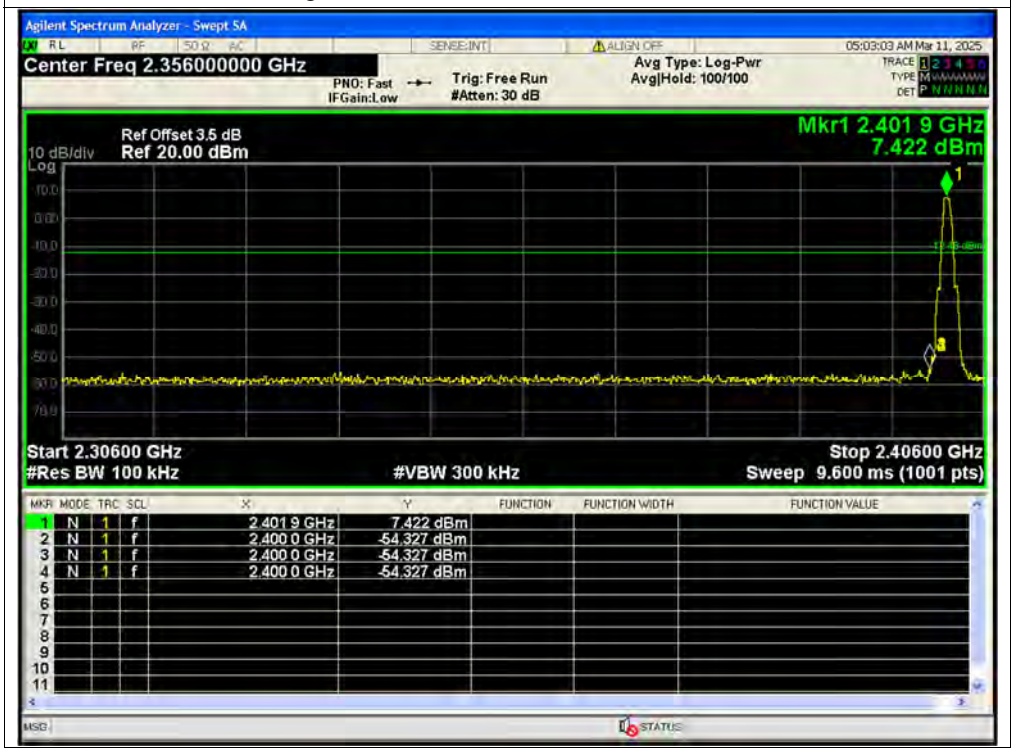
A.6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	SLE 1M	2402	Ant1	-61.85	-20	Pass
NVNT	SLE 1M	2480	Ant1	-52.19	-20	Pass
NVNT	SLE 2M	2404	Ant1	-57.77	-20	Pass
NVNT	SLE 2M	2478	Ant1	-59.32	-20	Pass
NVNT	SLE 4M	2405	Ant1	-46.4	-20	Pass
NVNT	SLE 4M	2477	Ant1	-58.3	-20	Pass

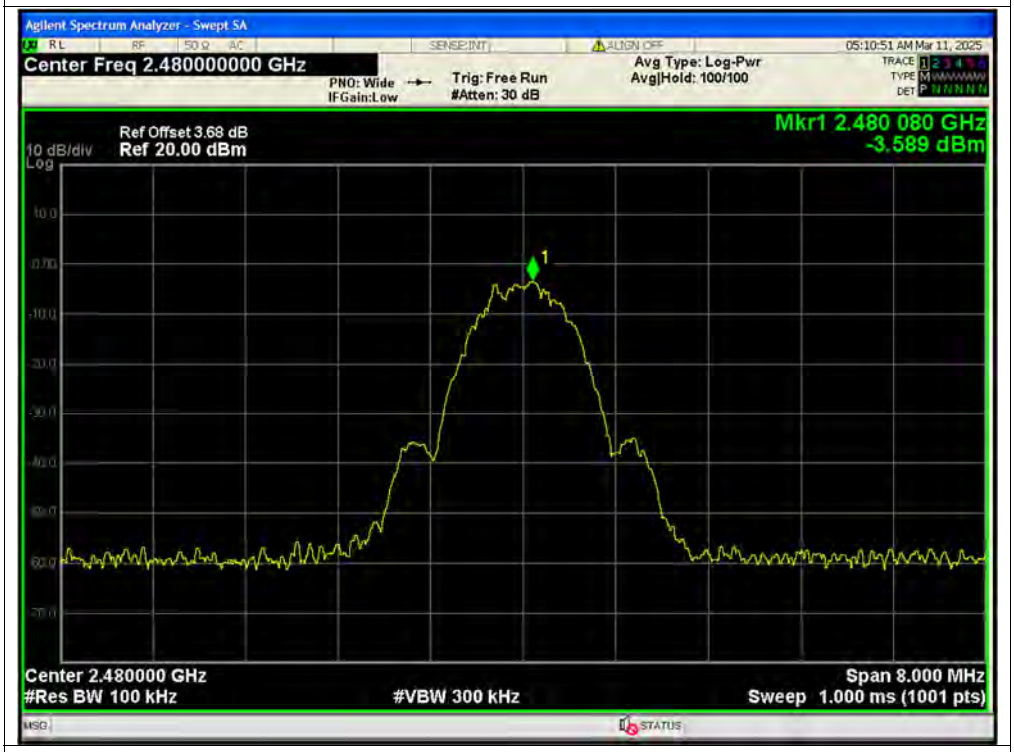
Test Graphs
Band Edge NVNT SLE 1M 2402MHz Ant1 Ref



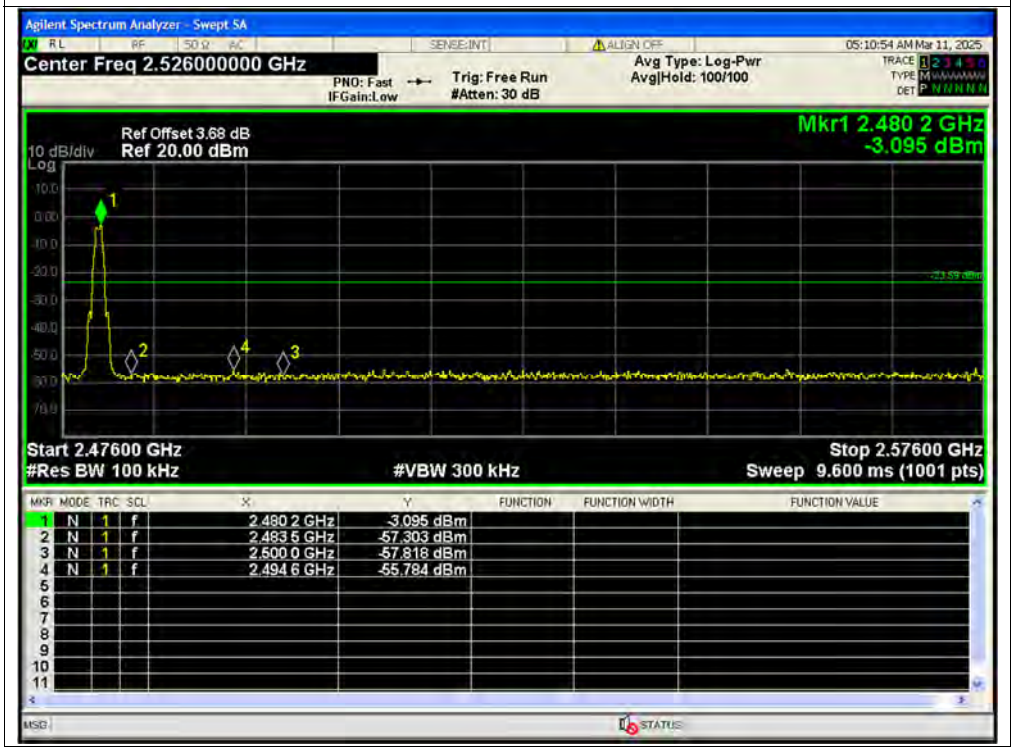
Band Edge NVNT SLE 1M 2402MHz Ant1 Emission



Band Edge NVNT SLE 1M 2480MHz Ant1 Ref

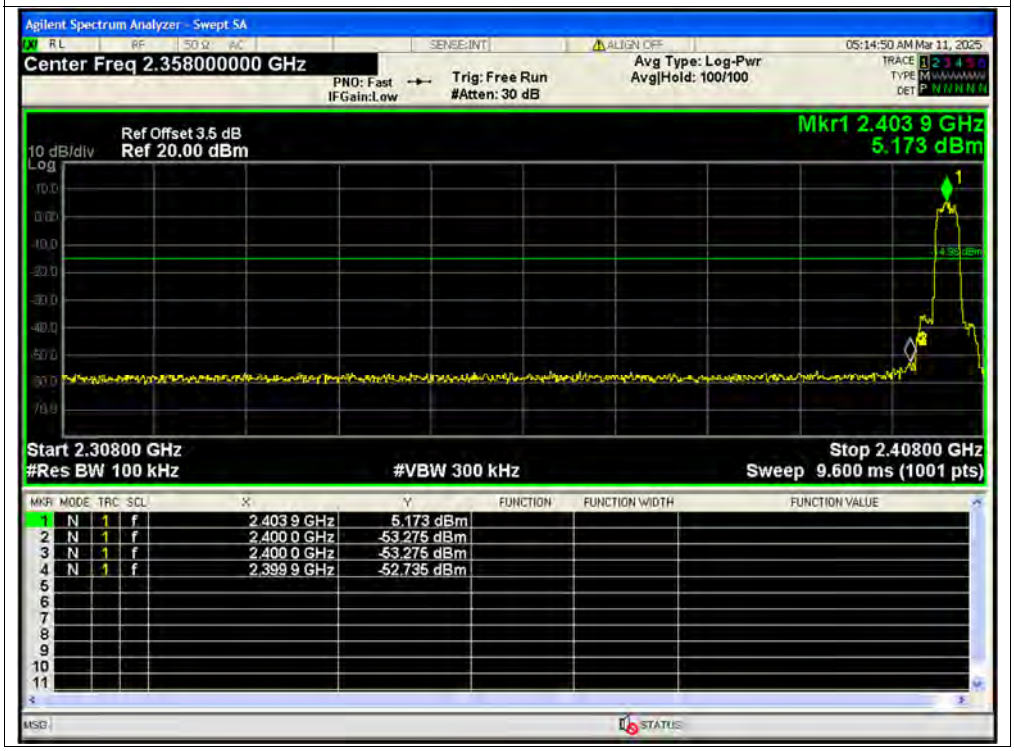


Band Edge NVNT SLE 1M 2480MHz Ant1 Emission



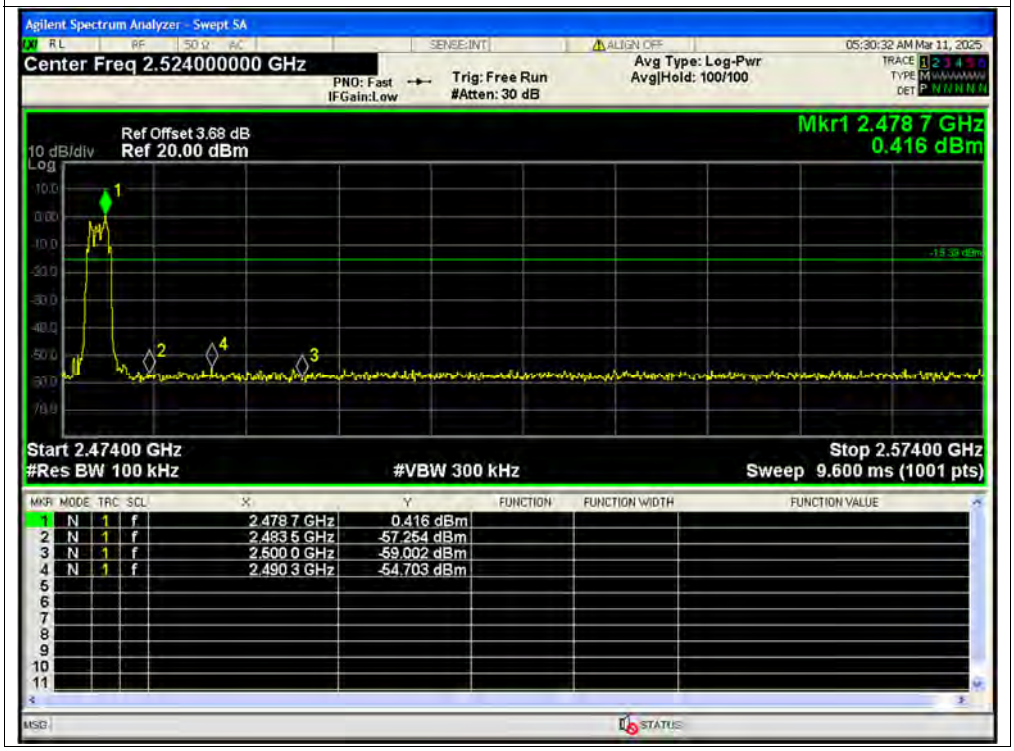
Band Edge NVNT SLE 2M 2404MHz Ant1 Ref

Band Edge NVNT SLE 2M 2404MHz Ant1 Emission



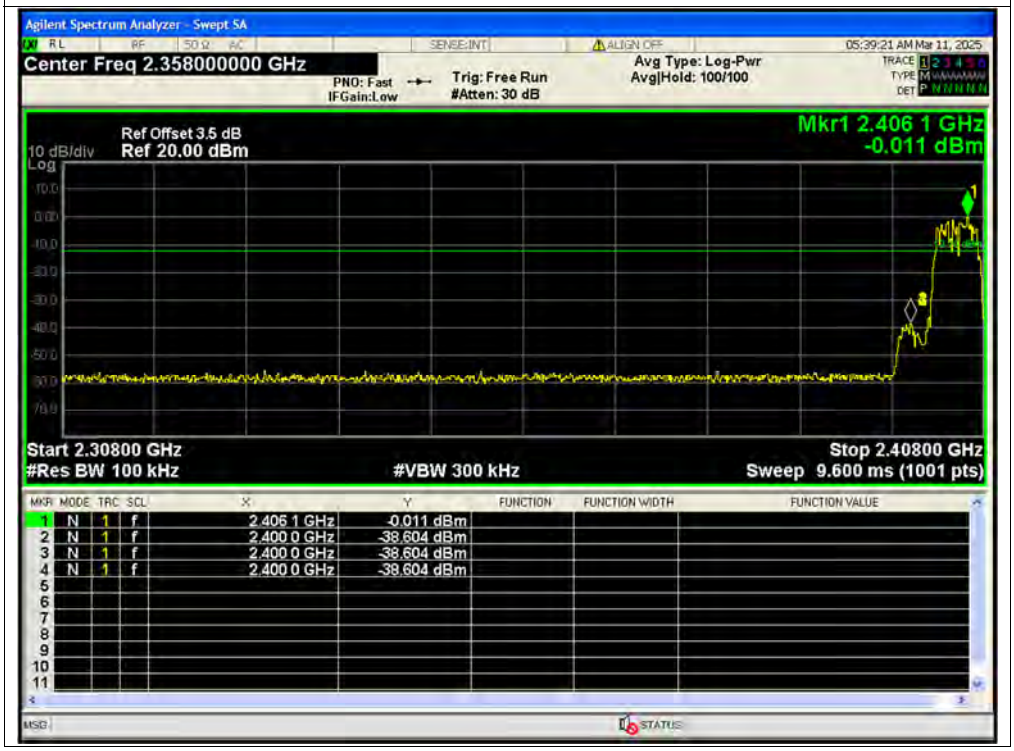
Band Edge NVNT SLE 2M 2478MHz Ant1 Ref

Band Edge NVNT SLE 2M 2478MHz Ant1 Emission



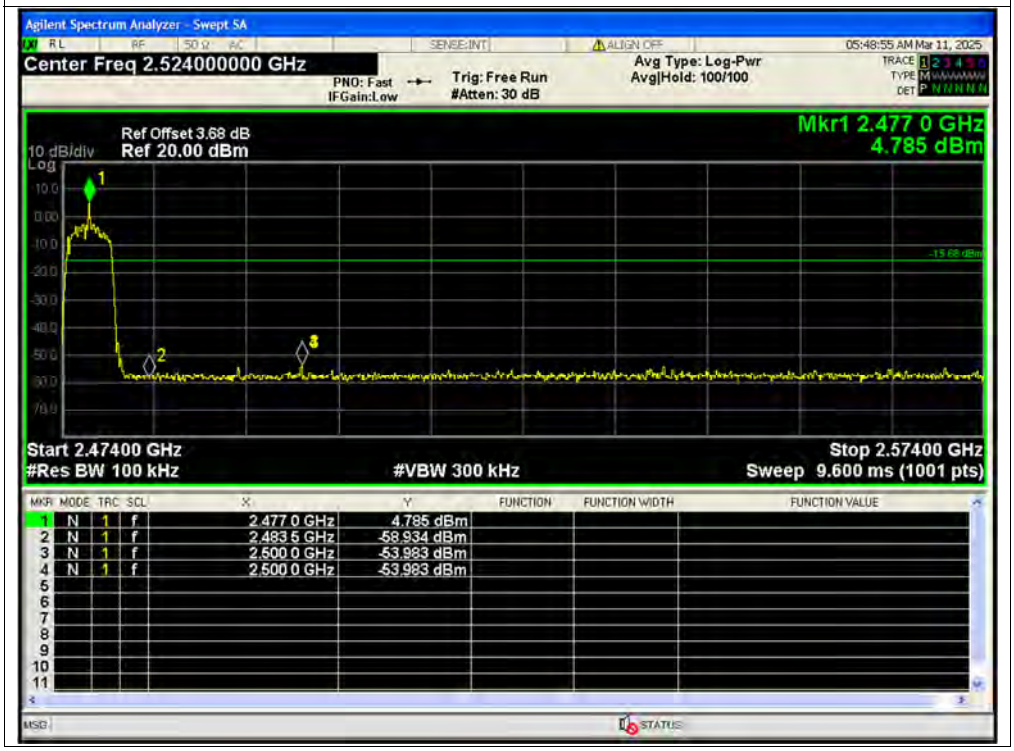
Band Edge NVNT SLE 4M 2405MHz Ant1 Ref

Band Edge NVNT SLE 4M 2405MHz Ant1 Emission



Band Edge NVNT SLE 4M 2477MHz Ant1 Ref

Band Edge NVNT SLE 4M 2477MHz Ant1 Emission



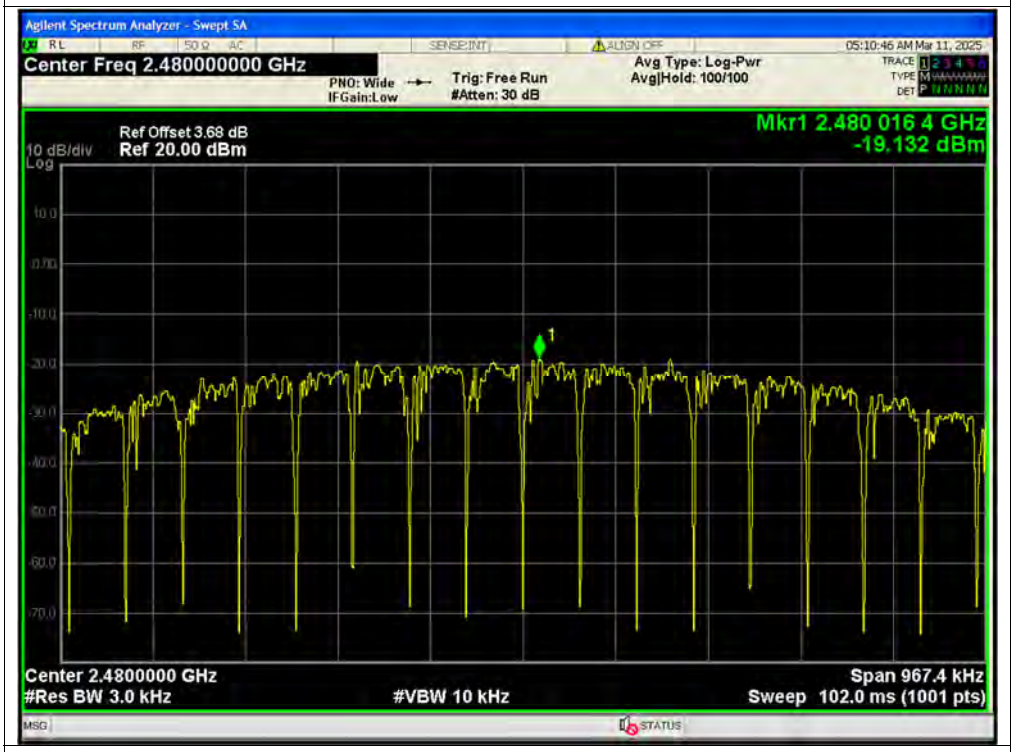
A.7. Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	SLE 1M	2402	Ant1	-7.16	0	-7.16	8	Pass
NVNT	SLE 1M	2441	Ant1	-5.45	0	-5.45	8	Pass
NVNT	SLE 1M	2480	Ant1	-19.13	0	-19.13	8	Pass
NVNT	SLE 2M	2404	Ant1	-9.29	0	-9.29	8	Pass
NVNT	SLE 2M	2442	Ant1	-9.49	0	-9.49	8	Pass
NVNT	SLE 2M	2478	Ant1	-12.16	0	-12.16	8	Pass
NVNT	SLE 4M	2405	Ant1	-12.15	0	-12.15	8	Pass
NVNT	SLE 4M	2441	Ant1	-12.58	0	-12.58	8	Pass
NVNT	SLE 4M	2477	Ant1	-15.39	0	-15.39	8	Pass

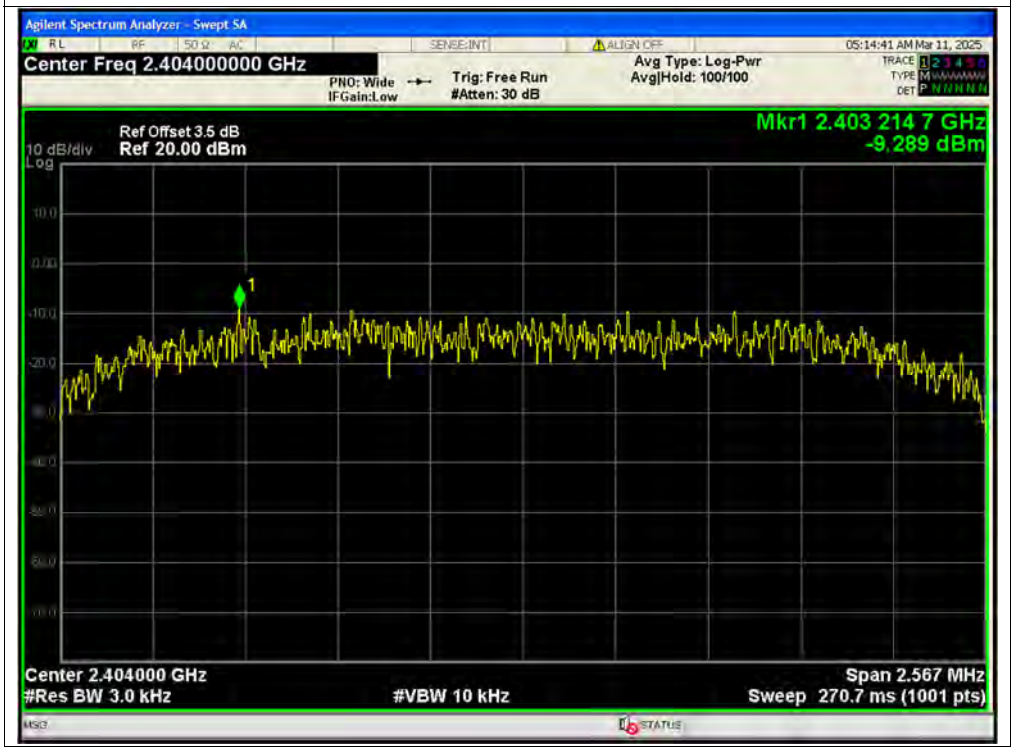
Test Graphs
PSD NVNT SLE 1M 2402MHz Ant1

PSD NVNT SLE 1M 2441MHz Ant1

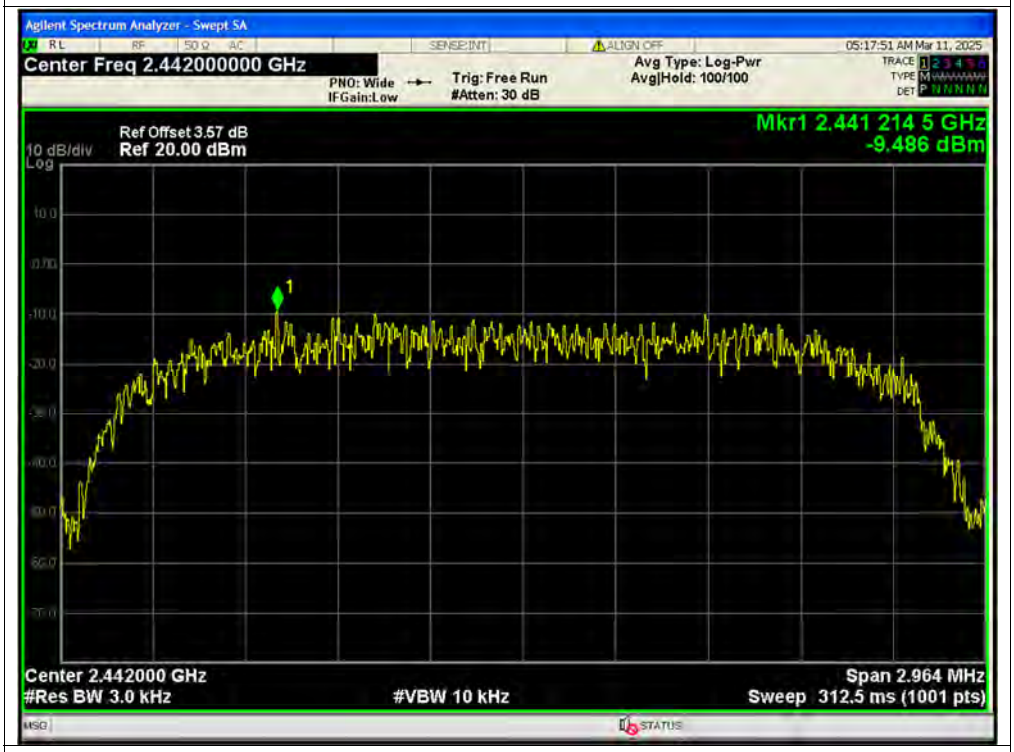
PSD NVNT SLE 1M 2480MHz Ant1



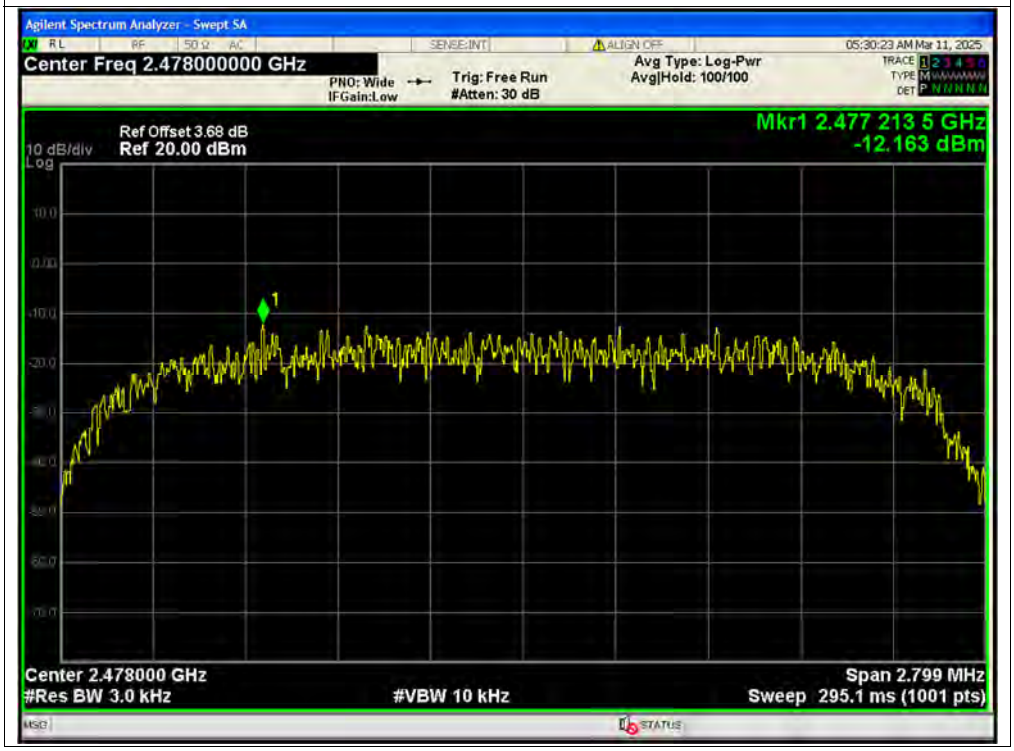
PSD NVNT SLE 2M 2404MHz Ant1



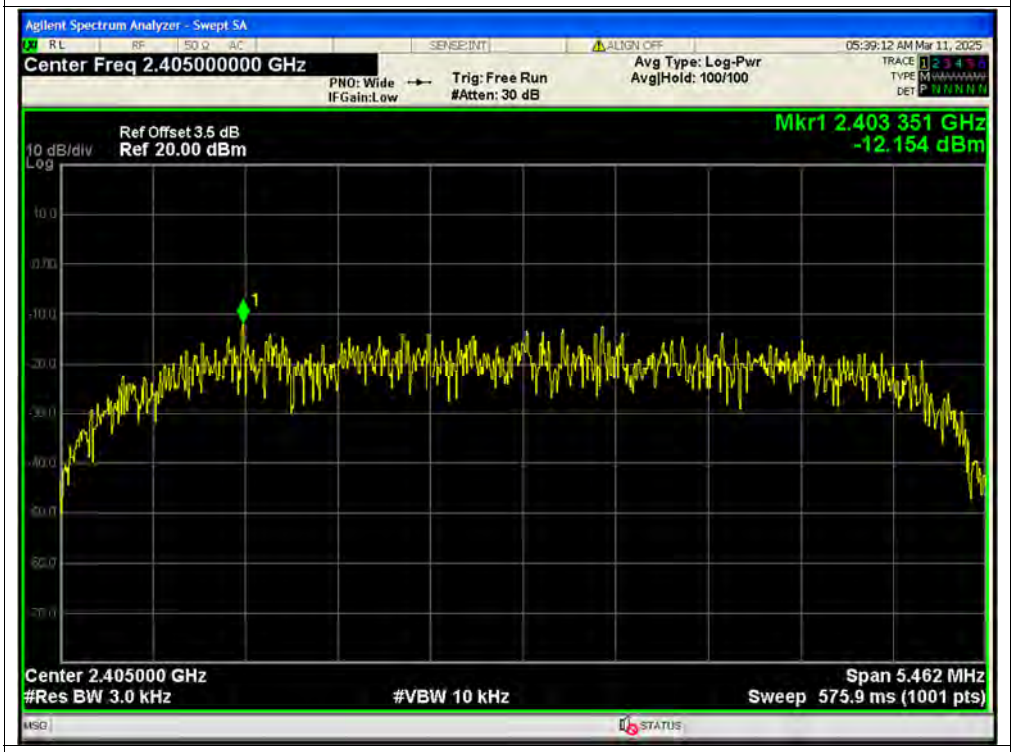
PSD NVNT SLE 2M 2442MHz Ant1



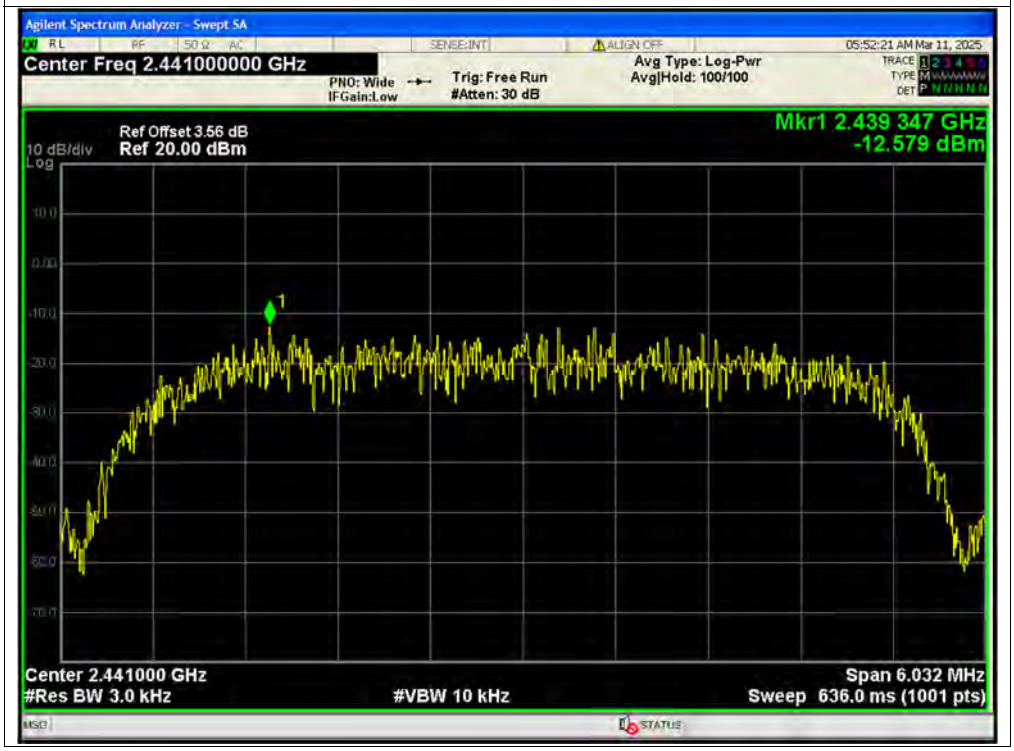
PSD NVNT SLE 2M 2478MHz Ant1

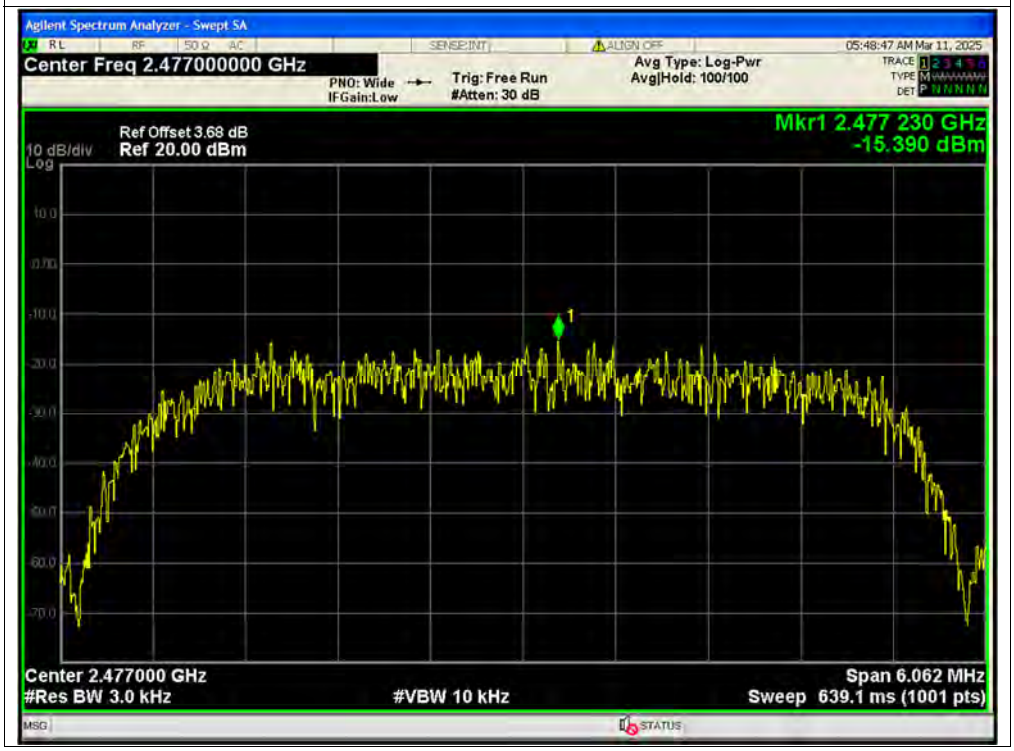


PSD NVNT SLE 4M 2405MHz Ant1



PSD NVNT SLE 4M 2441MHz Ant1



PSD NVNT SLE 4M 2477MHz Ant1


A.8. Conducted Emission

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

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

A. Test Setup:

Test Mode: EUT+Adapter+Data cable+PC+Displayer+Earphone+SLE TX

Test voltage: AC 120V/60Hz

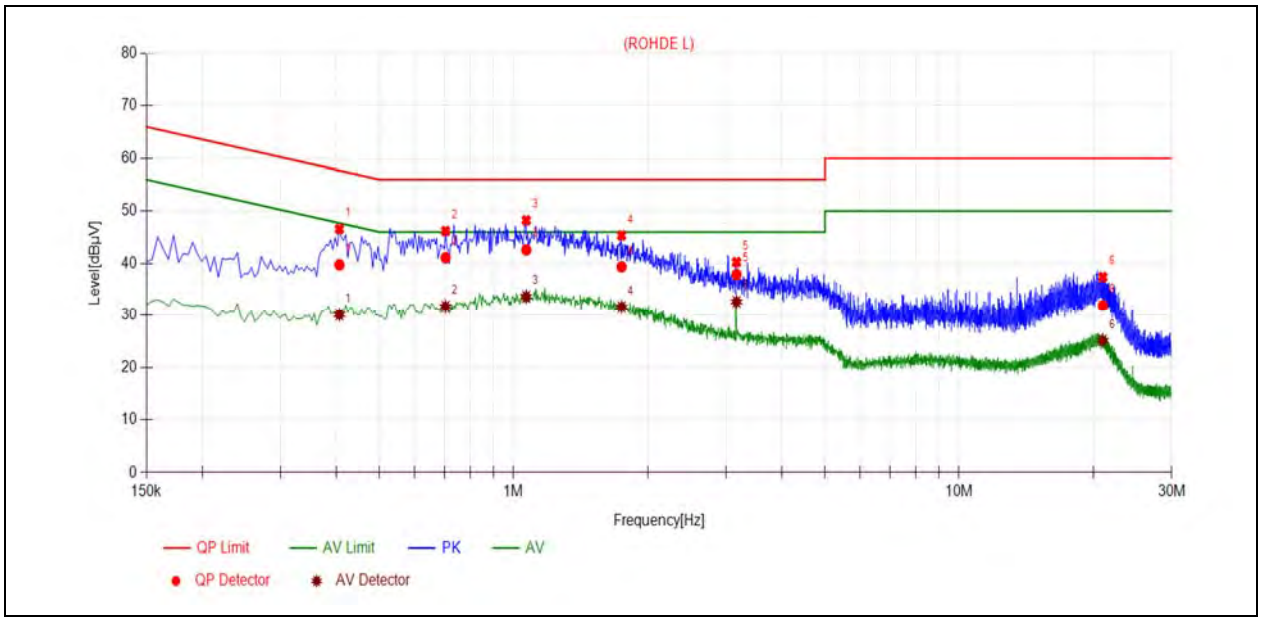
The measurement results are obtained as below:

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

U_R: Receiver Reading

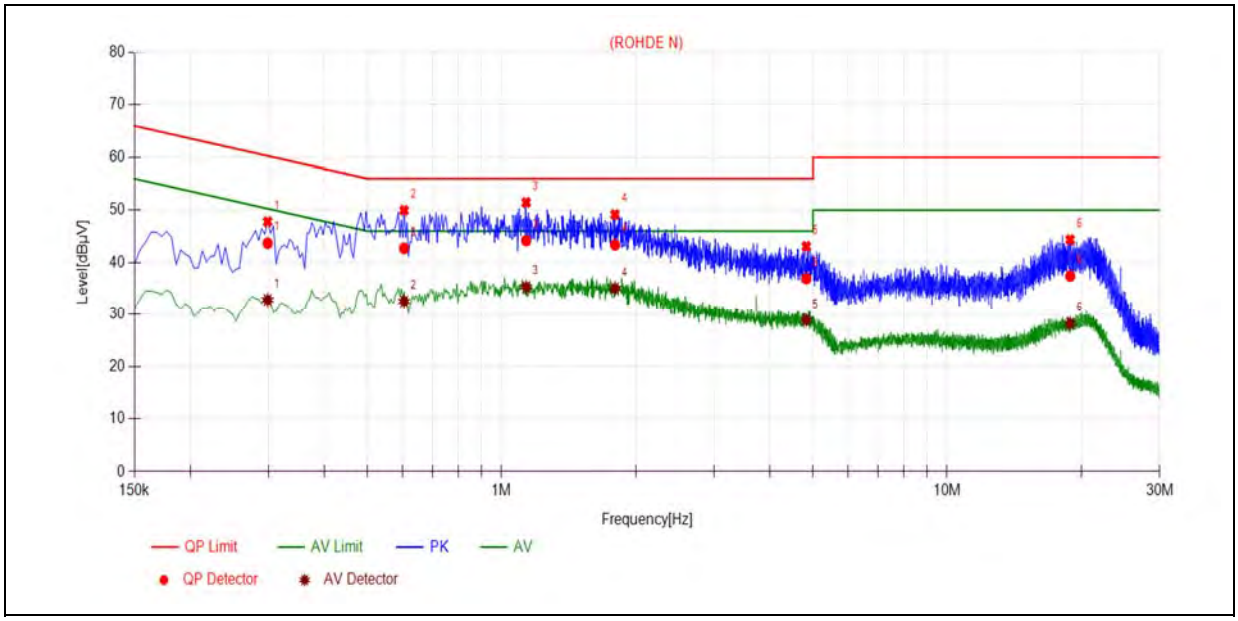
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.4065	39.75	30.11	57.72	47.72	Line	PASS
2	0.7035	41.10	31.72	56.00	46.00		PASS
3	1.0679	42.61	33.65	56.00	46.00		PASS
4	1.7476	39.38	31.62	56.00	46.00		PASS
5	3.1648	37.89	32.66	56.00	46.00		PASS
6	21.0135	31.91	25.13	60.00	50.00		PASS



(N Phase)

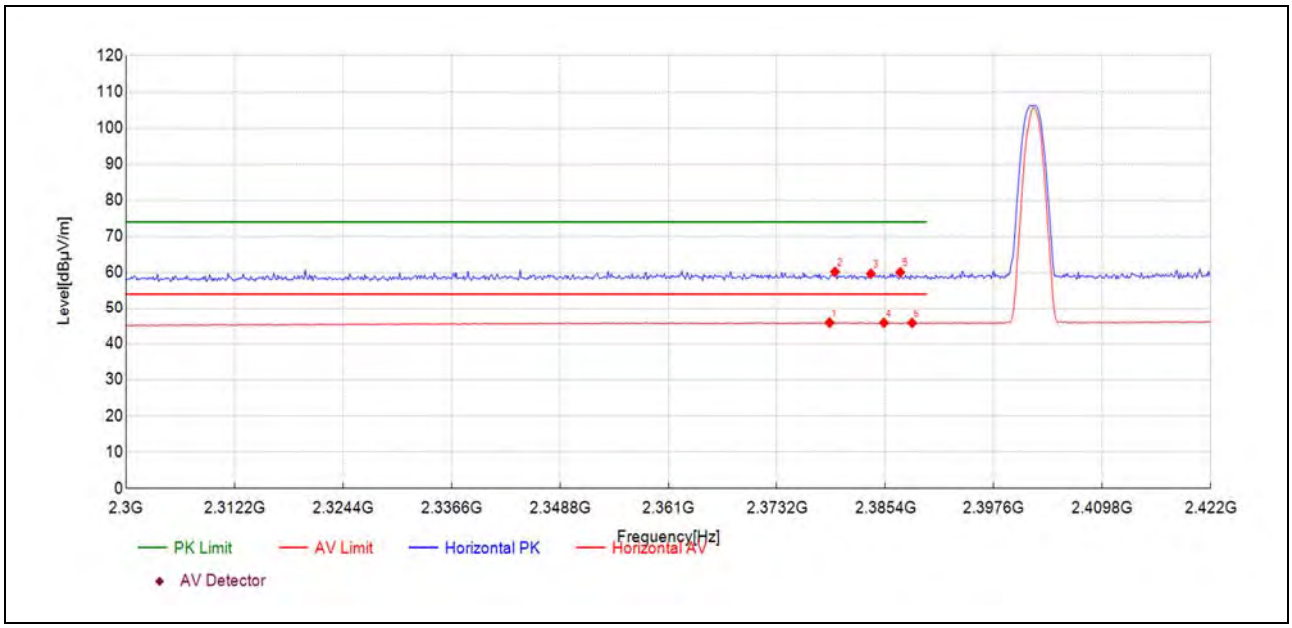
No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2985	43.70	32.82	60.29	50.29	Neutral	PASS
2	0.6044	42.73	32.55	56.00	46.00		PASS
3	1.1355	44.21	35.30	56.00	46.00		PASS
4	1.7972	43.38	35.08	56.00	46.00		PASS
5	4.8304	36.94	28.87	56.00	46.00		PASS
6	18.8846	37.43	28.21	60.00	50.00		PASS

A.9. Restricted Frequency Bands

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.

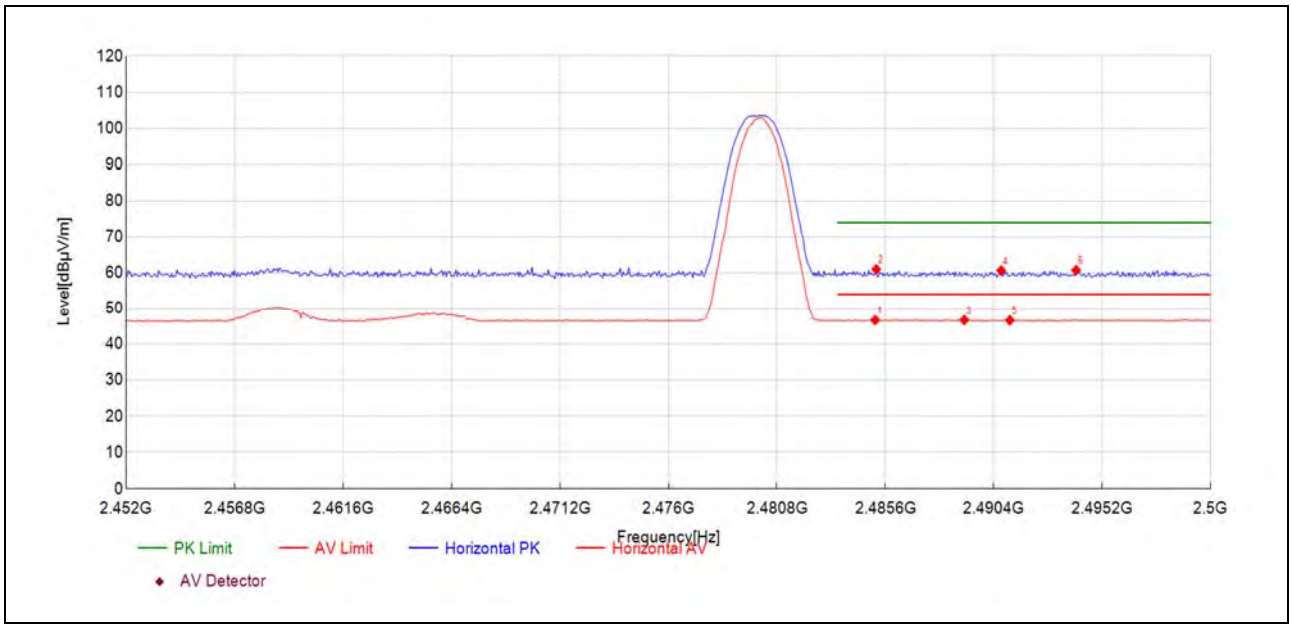
1Mbps

Plot for Channel 0



Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2379.14	8.4	45.85	37.480	54.00	8.15	150	135	AV	PASS
2379.75	22.7	60.21	37.480	74.00	13.79	150	8	PK	PASS
2383.78	22.2	59.68	37.490	74.00	14.32	150	292	PK	PASS
2385.24	8.3	45.82	37.490	54.00	8.18	150	150	AV	PASS
2387.07	22.6	60.06	37.490	74.00	13.94	150	99	PK	PASS
2388.42	8.3	45.80	37.490	54.00	8.20	150	246	AV	PASS

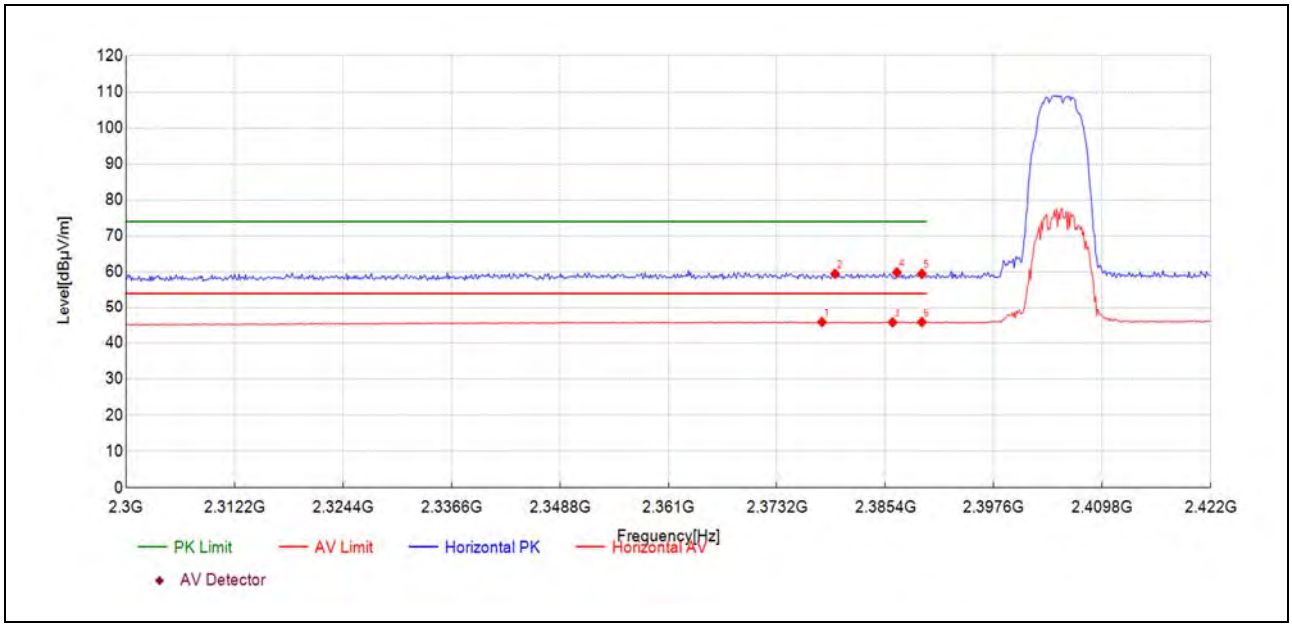
Plot for Channel 78



Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2485.15	8.5	46.72	38.270	54.00	7.28	150	193	AV	PASS
2485.20	22.8	61.02	38.270	74.00	12.98	150	30	PK	PASS
2489.09	8.5	46.75	38.260	54.00	7.25	150	247	AV	PASS
2490.73	22.5	60.73	38.270	74.00	13.27	150	48	PK	PASS
2491.11	8.4	46.66	38.270	54.00	7.34	150	270	AV	PASS
2494.04	22.5	60.80	38.260	74.00	13.20	150	52	PK	PASS

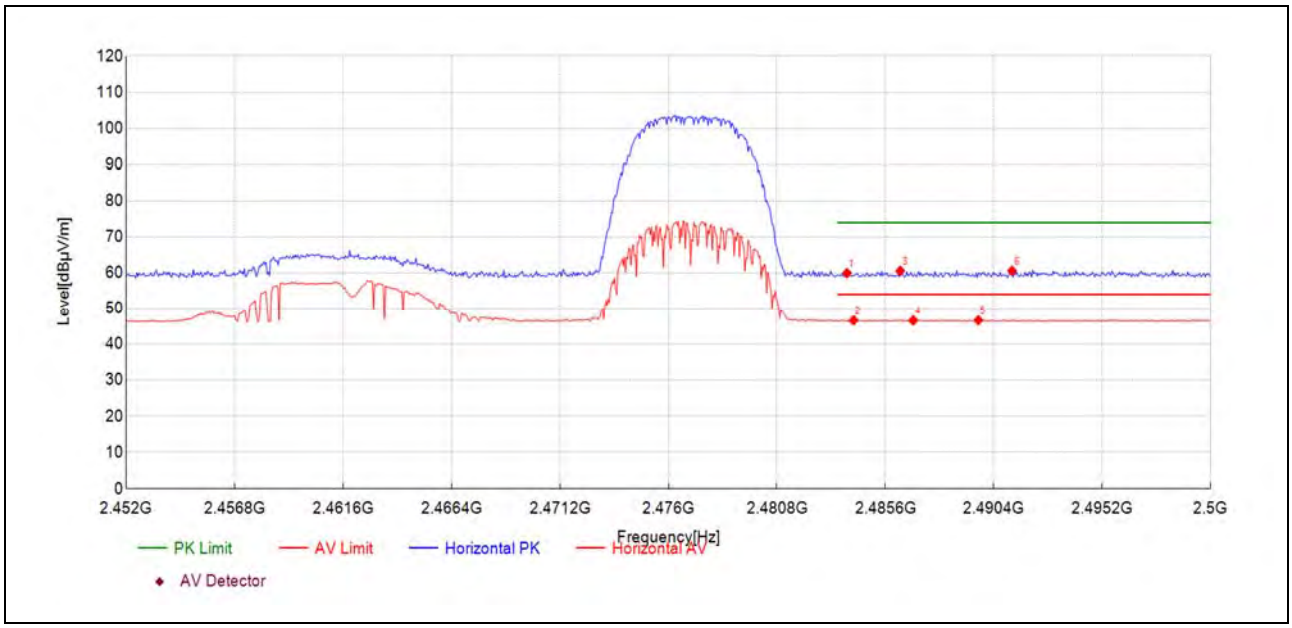
4Mbps

Plot for Channel 3



Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2378.28	8.4	45.84	37.480	54.00	8.16	150	251	AV	PASS
2379.75	22.0	59.48	37.480	74.00	14.52	150	30	PK	PASS
2386.22	8.3	45.77	37.490	54.00	8.23	150	227	AV	PASS
2386.71	22.4	59.90	37.490	74.00	14.10	150	334	PK	PASS
2389.52	22.0	59.48	37.490	74.00	14.52	150	257	PK	PASS
2389.52	8.4	45.84	37.490	54.00	8.16	150	164	AV	PASS

Plot for Channel 75



Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.90	21.7	59.99	38.270	74.00	14.01	150	228	PK	PASS
2484.19	8.4	46.65	38.270	54.00	7.35	150	310	AV	PASS
2486.26	22.3	60.60	38.270	74.00	13.40	150	171	PK	PASS
2486.83	8.4	46.64	38.270	54.00	7.36	150	211	AV	PASS
2489.72	8.4	46.65	38.260	54.00	7.35	150	184	AV	PASS
2491.21	22.4	60.63	38.270	74.00	13.37	150	171	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:
$E\ [dB\mu V/m] = U_R + A_T + A_{Factor}\ [dB]$; $A_T = L_{Cable\ loss}\ [dB] - G_{preamp}\ [dB]$
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.
Note 4: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

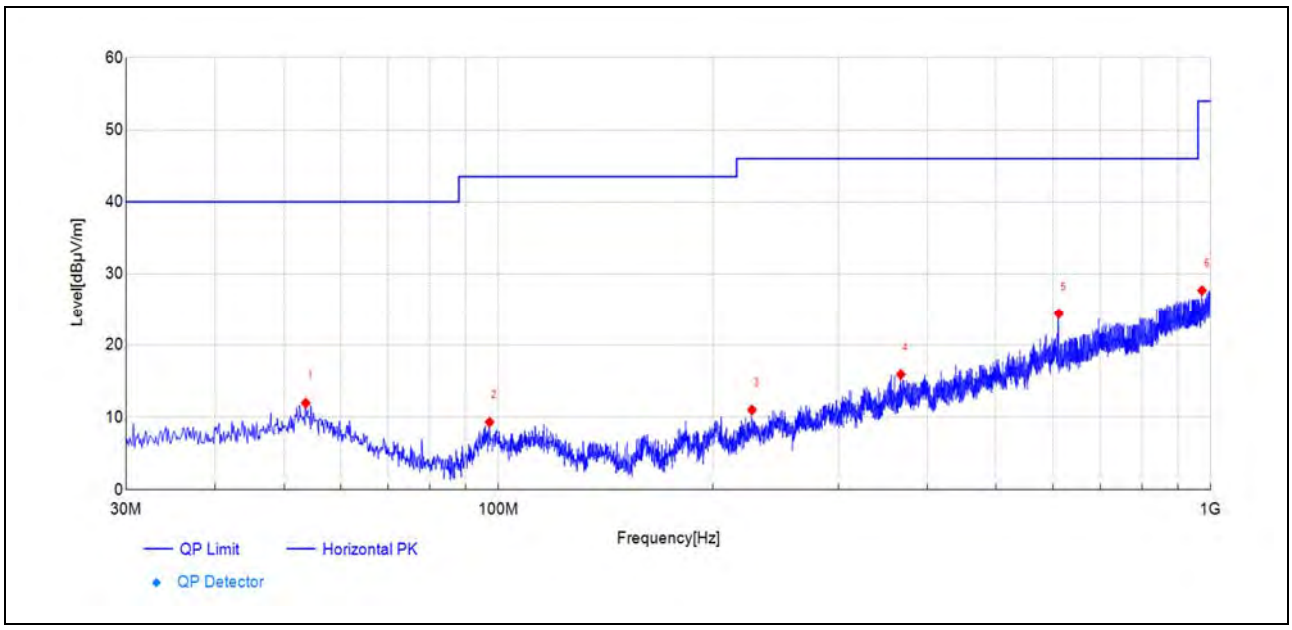
Field strength of fundamental:

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Detector	Antenna Polarity
2401.73	68.7	106.22	37.520	PK	Horizontal

The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

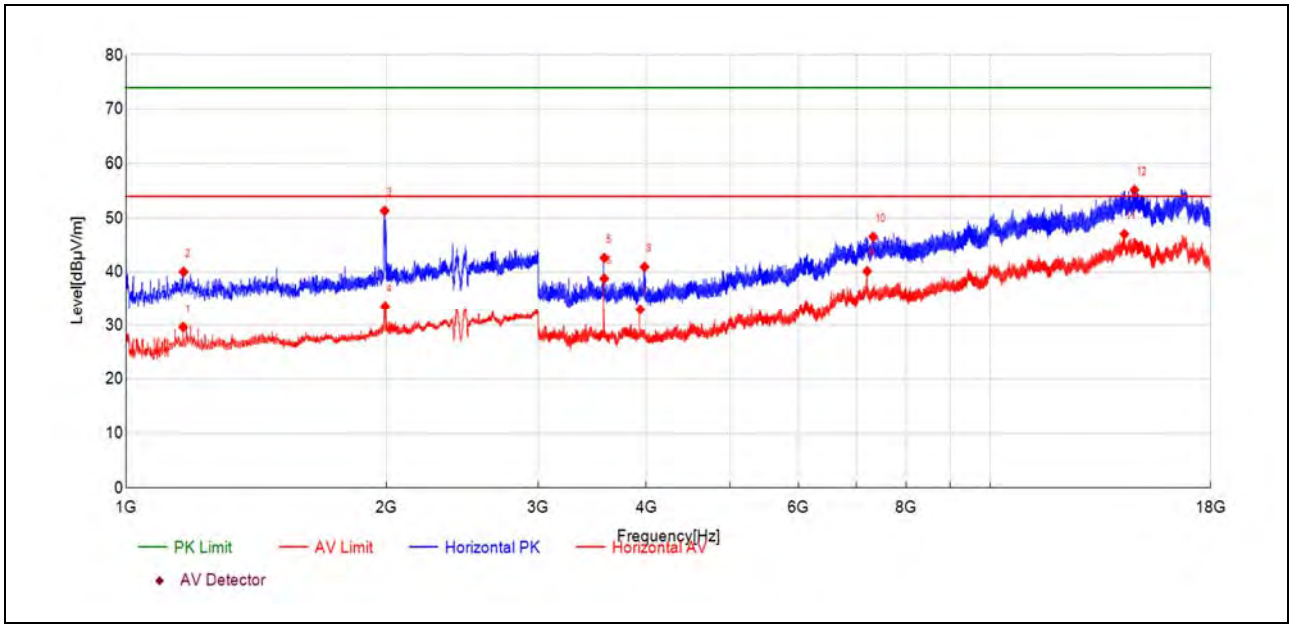
1Mbps

Plot for Channel 0



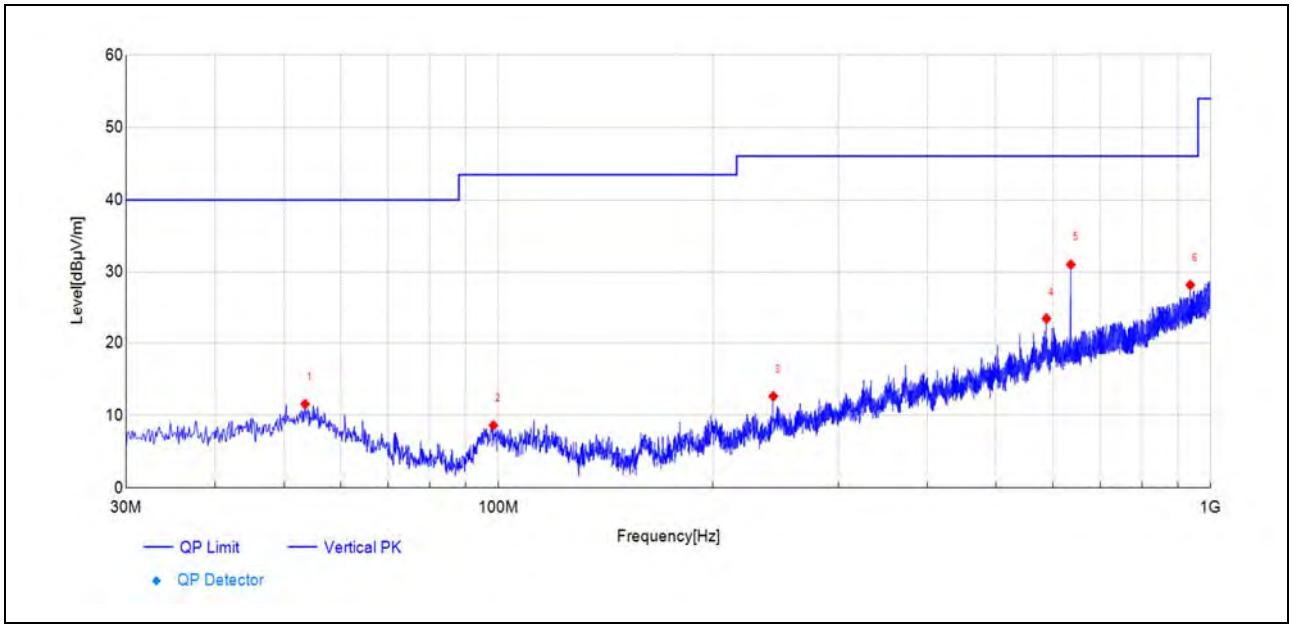
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
53.64	39.6	11.96	-27.630	40.00	28.04	150	200	PK	PASS
97.17	39.3	9.31	-30.010	43.50	34.19	150	250	PK	PASS
226.91	39.7	11.00	-28.660	46.00	35.00	150	330	PK	PASS
367.20	39.1	15.93	-23.140	46.00	30.07	150	180	PK	PASS
612.00	41.7	24.43	-17.290	46.00	21.57	150	210	PK	PASS
972.23	39.0	27.70	-11.260	54.00	26.30	150	150	PK	PASS



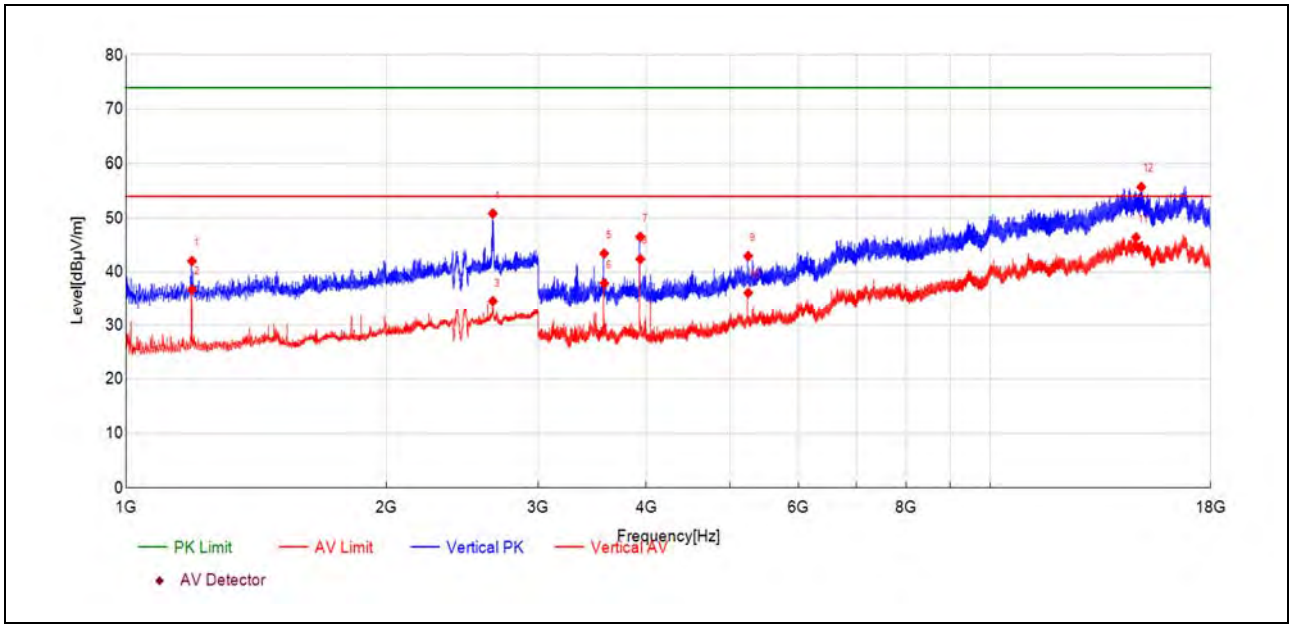
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1164.48	31.4	29.68	-1.720	54.00	24.32	150	250	AV	PASS
1165.81	41.7	40.05	-1.690	74.00	33.95	150	90	PK	PASS
1991.78	48.8	51.34	2.560	74.00	22.66	150	10	PK	PASS
1994.89	31.0	33.58	2.600	54.00	20.42	150	200	AV	PASS
3576.02	52.0	42.64	-9.370	74.00	31.36	150	10	PK	PASS
3576.52	48.2	38.79	-9.360	54.00	15.21	150	110	AV	PASS
3936.53	40.9	32.99	-7.930	54.00	21.01	150	10	AV	PASS
3981.53	49.0	40.96	-8.010	74.00	33.04	150	190	PK	PASS
7206.64	35.2	40.17	5.020	54.00	13.83	150	220	AV	PASS
7323.14	42.2	46.53	4.300	74.00	27.47	150	30	PK	PASS
14299.88	27.4	47.03	19.620	54.00	6.97	150	150	AV	PASS
14692.39	34.6	55.19	20.580	74.00	18.81	150	30	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

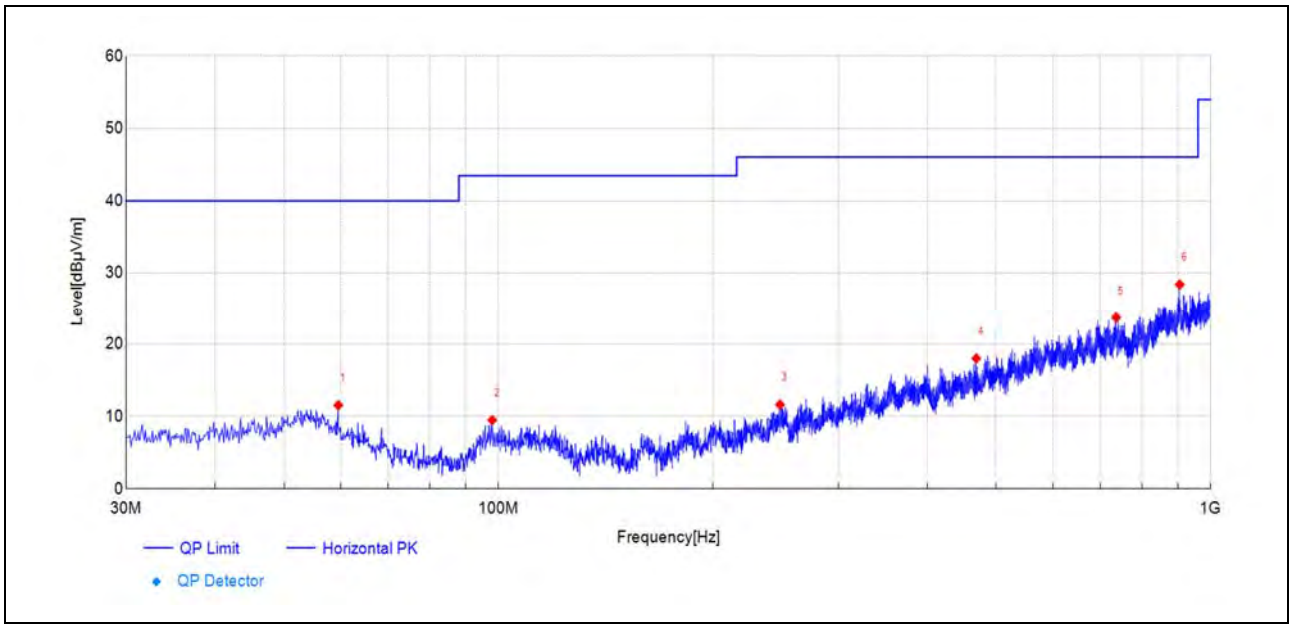
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
53.52	39.2	11.55	-27.660	40.00	28.45	150	240	PK	PASS
98.39	38.3	8.59	-29.690	43.50	34.91	150	220	PK	PASS
243.16	40.2	12.63	-27.600	46.00	33.37	150	10	PK	PASS
588.11	40.8	23.43	-17.350	46.00	22.57	150	100	PK	PASS
636.13	47.9	31.05	-16.880	46.00	14.95	150	170	PK	PASS
936.10	40.0	28.21	-11.780	46.00	17.79	150	310	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

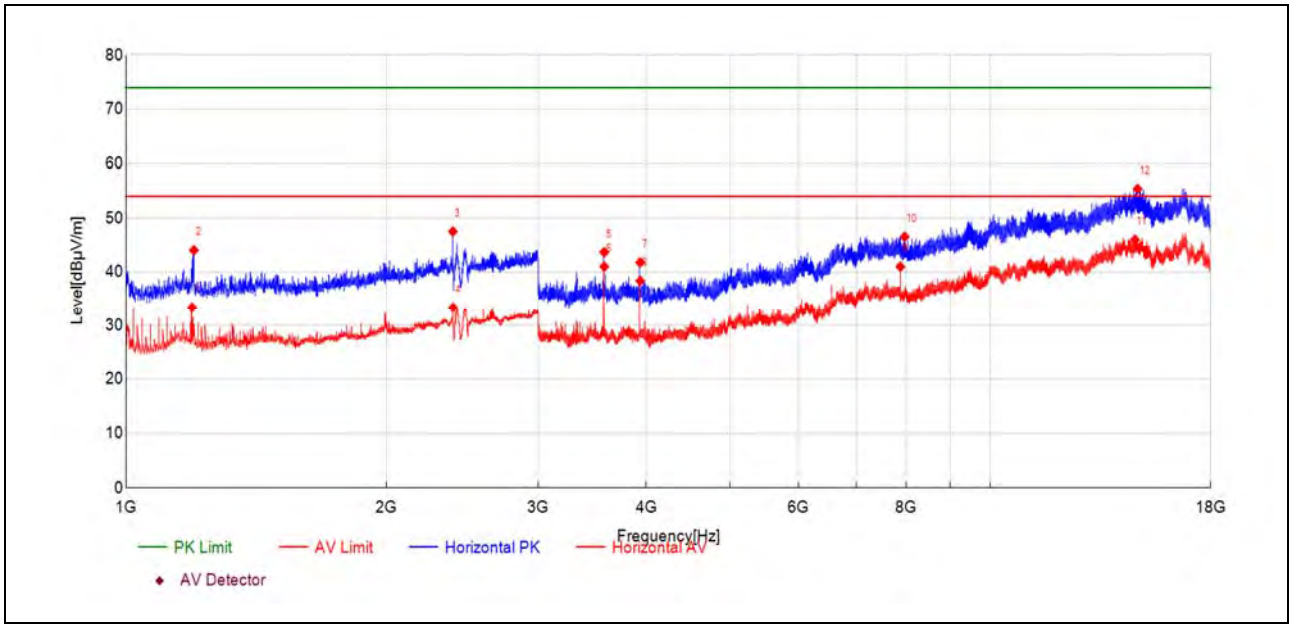
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1192.04	43.3	42.05	-1.230	74.00	31.95	150	340	PK	PASS
1192.49	38.0	36.75	-1.220	54.00	17.25	150	230	AV	PASS
2657.70	28.4	34.61	6.260	54.00	19.39	150	260	AV	PASS
2657.70	44.6	50.84	6.260	74.00	23.16	150	350	PK	PASS
3576.02	52.8	43.45	-9.370	74.00	30.55	150	350	PK	PASS
3576.52	47.3	37.92	-9.360	54.00	16.08	150	350	AV	PASS
3936.03	54.5	46.53	-7.930	74.00	27.47	150	140	PK	PASS
3936.53	50.4	42.42	-7.930	54.00	11.58	150	150	AV	PASS
5247.57	45.9	42.98	-2.880	74.00	31.02	150	120	PK	PASS
5248.07	39.0	36.15	-2.870	54.00	17.85	150	130	AV	PASS
14752.39	26.3	46.44	20.140	54.00	7.56	150	50	AV	PASS
14960.40	36.5	55.75	19.300	74.00	18.25	150	170	PK	PASS

Plot for Channel 39



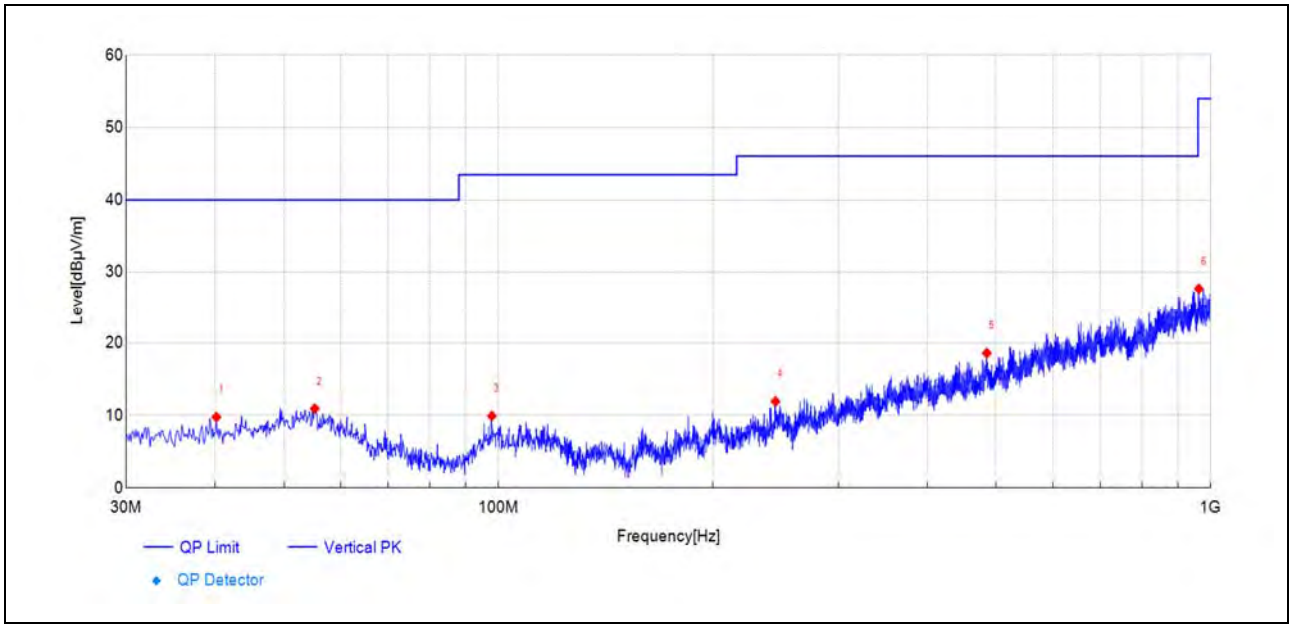
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
59.59	40.1	11.52	-28.580	40.00	28.48	150	160	PK	PASS
98.02	39.2	9.46	-29.740	43.50	34.04	150	90	PK	PASS
248.49	39.1	11.60	-27.470	46.00	34.40	150	240	PK	PASS
468.68	39.4	18.02	-21.410	46.00	27.98	150	70	PK	PASS
736.65	38.7	23.73	-15.000	46.00	22.27	150	100	PK	PASS
904.70	39.8	28.41	-11.410	46.00	17.59	150	180	PK	PASS



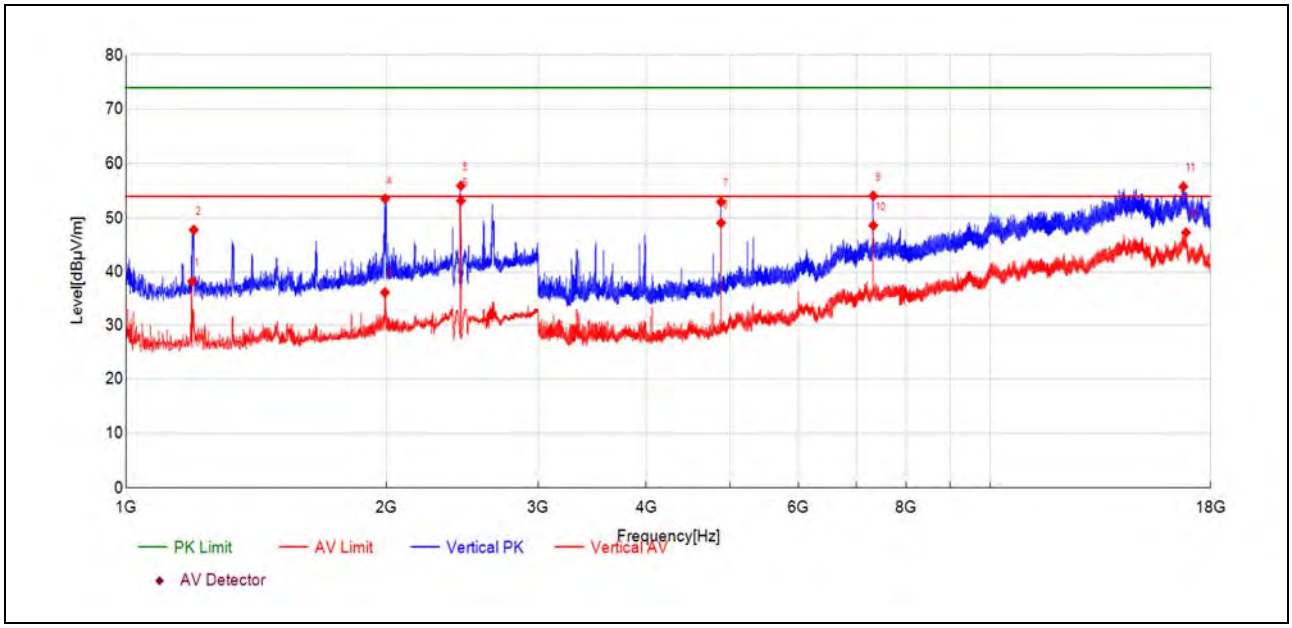
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1192.49	34.6	33.38	-1.220	54.00	20.62	150	84	AV	PASS
1198.27	45.2	44.05	-1.120	74.00	29.95	150	90	PK	PASS
2389.20	42.3	47.51	5.200	74.00	26.49	150	253	PK	PASS
2390.53	28.2	33.35	5.200	54.00	20.65	150	62	AV	PASS
3576.02	53.1	43.69	-9.370	74.00	30.31	150	22	PK	PASS
3576.52	50.4	41.02	-9.360	54.00	12.98	150	9	AV	PASS
3936.03	49.7	41.81	-7.930	74.00	32.19	150	35	PK	PASS
3936.53	46.3	38.37	-7.930	54.00	15.63	150	35	AV	PASS
7872.16	36.1	41.01	4.880	54.00	12.99	150	245	AV	PASS
7961.67	42.0	46.53	4.550	74.00	27.47	150	269	PK	PASS
14711.89	25.5	46.00	20.500	54.00	8.00	150	22	AV	PASS
14814.39	35.8	55.39	19.580	74.00	18.61	150	331	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

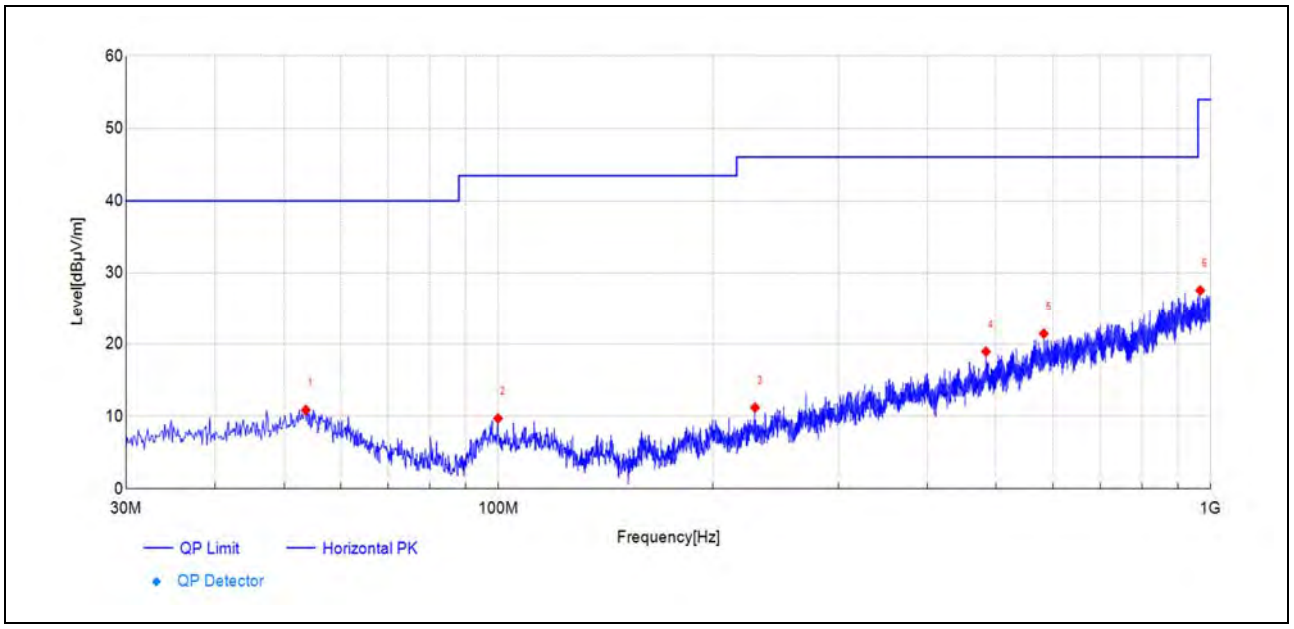
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
40.19	38.4	9.75	-28.670	40.00	30.25	150	300	PK	PASS
55.22	38.8	10.92	-27.830	40.00	29.08	150	250	PK	PASS
97.90	39.7	9.90	-29.770	43.50	33.60	150	10	PK	PASS
244.86	39.4	11.93	-27.440	46.00	34.07	150	100	PK	PASS
484.81	39.1	18.63	-20.430	46.00	27.37	150	130	PK	PASS
962.41	38.9	27.68	-11.170	54.00	26.32	150	120	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

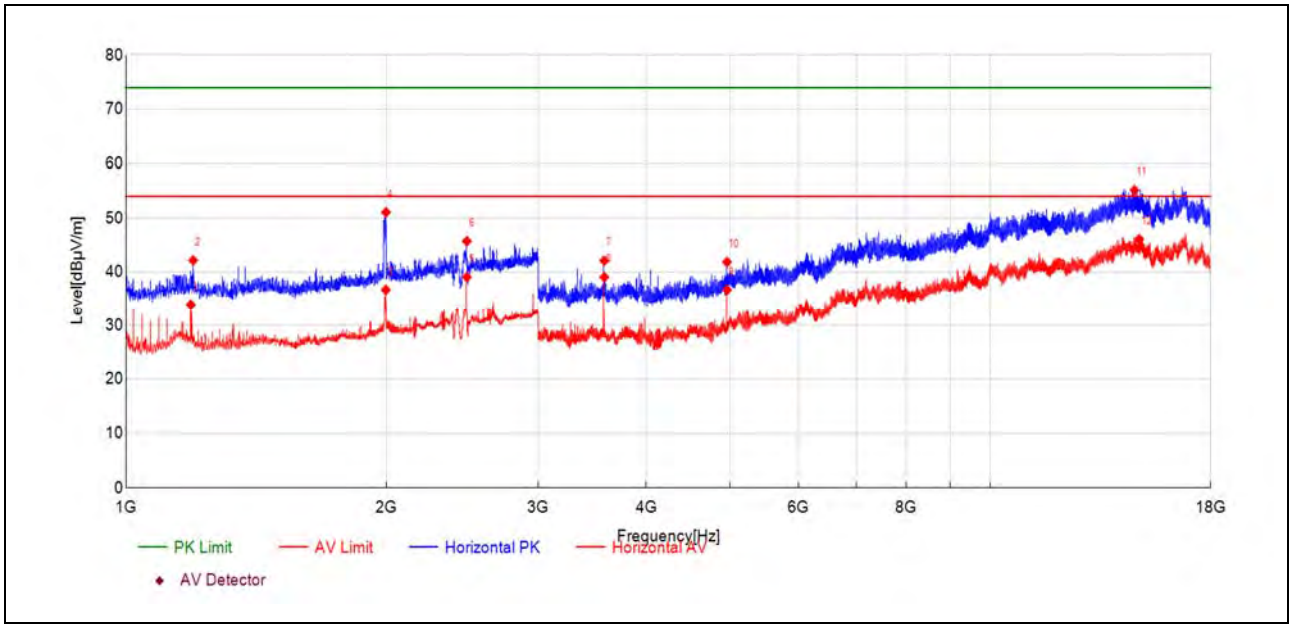
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1192.49	39.5	38.28	-1.220	54.00	15.72	150	340	AV	PASS
1197.82	49.0	47.83	-1.130	74.00	26.17	150	105	PK	PASS
1993.55	33.7	36.24	2.580	54.00	17.76	150	99	AV	PASS
1994.44	51.0	53.59	2.580	74.00	20.41	150	105	PK	PASS
2440.76	50.2	55.98	5.830	-	-	150	88	PK	PASS
2441.21	47.4	53.22	5.840	-	-	150	94	AV	PASS
4881.56	58.0	53.01	-5.010	74.00	20.99	150	319	PK	PASS
4882.06	54.1	49.11	-5.020	54.00	4.89	150	306	AV	PASS
7322.64	49.8	54.10	4.290	74.00	19.90	150	22	PK	PASS
7323.64	44.3	48.63	4.300	54.00	5.37	150	257	AV	PASS
16730.46	36.2	55.82	19.640	74.00	18.18	150	170	PK	PASS
16854.46	27.1	47.33	20.240	54.00	6.67	150	232	AV	PASS

Plot for Channel 78



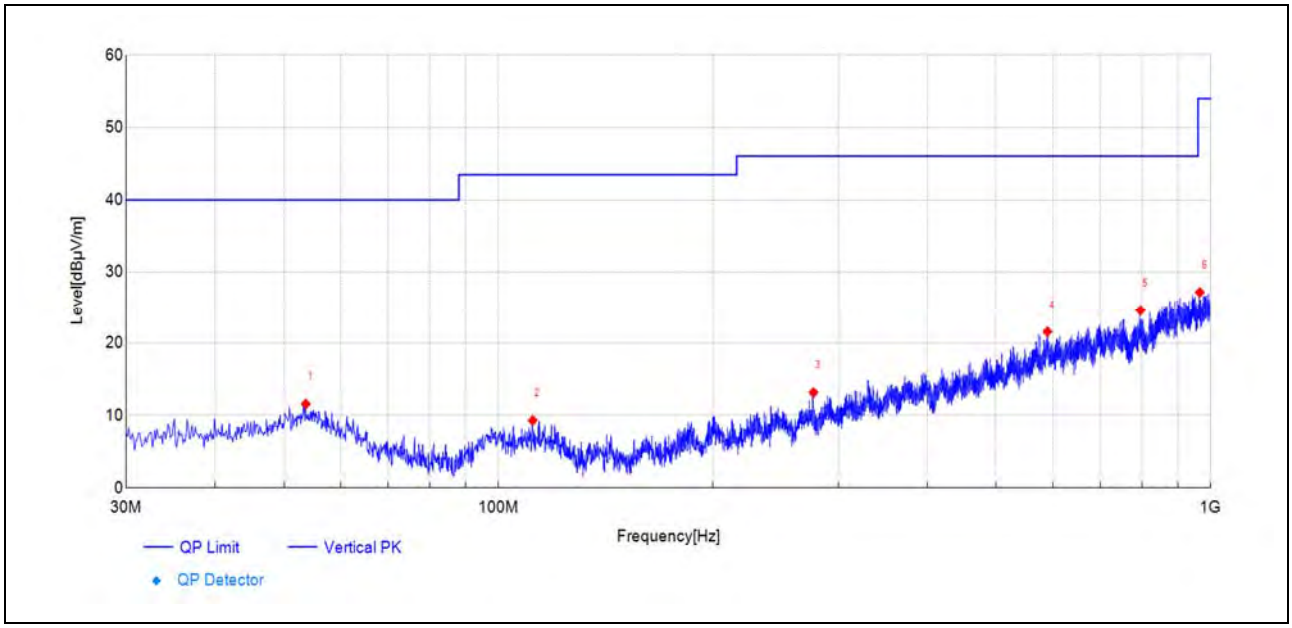
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
53.64	38.5	10.86	-27.630	40.00	29.14	150	210	PK	PASS
99.84	39.3	9.70	-29.590	43.50	33.80	150	30	PK	PASS
229.21	39.3	11.19	-28.130	46.00	34.81	150	150	PK	PASS
483.60	39.6	18.97	-20.620	46.00	27.03	150	40	PK	PASS
582.90	39.1	21.46	-17.620	46.00	24.54	150	150	PK	PASS
966.66	38.8	27.58	-11.200	54.00	26.42	150	350	PK	PASS



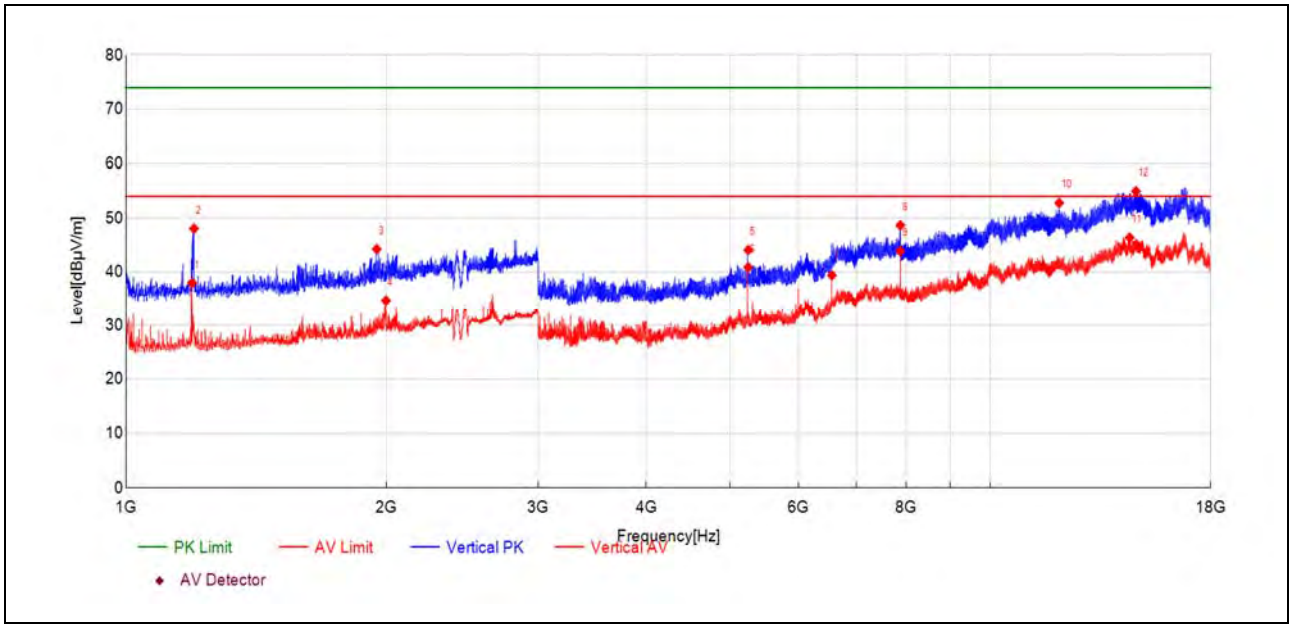
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1188.49	35.2	33.94	-1.290	54.00	20.06	150	227	AV	PASS
1196.04	43.3	42.18	-1.160	74.00	31.82	150	217	PK	PASS
1998.00	34.1	36.71	2.620	54.00	17.29	150	7	AV	PASS
1999.33	48.4	51.07	2.640	74.00	22.93	150	7	PK	PASS
2480.33	33.2	39.09	5.890	-	-	150	227	AV	PASS
2480.33	39.8	45.72	5.890	-	-	150	227	PK	PASS
3576.02	51.5	42.13	-9.370	74.00	31.87	150	9	PK	PASS
3576.52	48.4	39.08	-9.360	54.00	14.92	150	9	AV	PASS
4960.07	41.3	36.70	-4.610	54.00	17.30	150	233	AV	PASS
4960.57	46.5	41.86	-4.600	74.00	32.14	150	246	PK	PASS
14691.39	34.6	55.16	20.580	74.00	18.84	150	109	PK	PASS
14875.90	27.1	46.09	18.970	54.00	7.91	150	357	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
53.64	39.2	11.58	-27.630	40.00	28.42	150	310	PK	PASS
111.72	38.3	9.28	-29.030	43.50	34.22	150	330	PK	PASS
276.87	39.3	13.17	-26.170	46.00	32.83	150	320	PK	PASS
589.93	38.8	21.61	-17.200	46.00	24.39	150	340	PK	PASS
796.91	38.9	24.62	-14.320	46.00	21.38	150	150	PK	PASS
965.44	38.2	27.17	-11.040	54.00	26.83	150	60	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
1192.49	39.2	37.99	-1.220	54.00	16.01	150	27	AV	PASS
1198.71	49.2	48.05	-1.120	74.00	25.95	150	49	PK	PASS
1950.43	42.1	44.24	2.190	74.00	29.76	150	38	PK	PASS
1999.33	32.1	34.71	2.640	54.00	19.29	150	126	AV	PASS
5248.07	47.0	44.09	-2.870	74.00	29.91	150	296	PK	PASS
5248.57	43.8	40.90	-2.870	54.00	13.10	150	296	AV	PASS
6560.62	37.0	39.42	2.430	54.00	14.58	150	346	AV	PASS
7871.66	43.8	48.69	4.880	74.00	25.31	150	171	PK	PASS
7872.66	39.0	43.88	4.880	54.00	10.12	150	121	AV	PASS
12020.30	38.5	52.80	14.290	74.00	21.20	150	121	PK	PASS
14501.38	26.6	46.40	19.810	54.00	7.60	150	84	AV	PASS
14752.89	34.8	54.95	20.140	74.00	19.05	150	171	PK	PASS

END OF REPORT