



REPORT No.: SZ25020294W02

TEST REPORT

APPLICANT : Realme Chongqing Mobile
Telecommunications Corp., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : RMX5303

BRAND NAME : realme

FCC ID : 2AUYFRMX5303

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-03-12

TEST DATE : 2025-03-14 to 2025-04-24

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REPORT No.: SZ25020294W02

Change History		
Version	Date	Reason for change
1.0	2025-04-24	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. 27, 2025	Lin Haoyang	PASS	No deviation
3	15.247(b)	Maximum Peak Conducted Output Power	Mar. 27, 2025	Lin Haoyang	PASS	No deviation
4	15.247(b)	Maximum Average Conducted Output Power	Mar. 27, 2025	Lin Haoyang	PASS	No deviation
5	15.247(a)	Bandwidth	Mar. 27, 2025	Lin Haoyang	PASS	No deviation
6	15.247(d)	Conducted Spurious Emission and Band Edge	Mar. 27, 2025	Lin Haoyang	PASS	No deviation
7	15.247(e)	Power Spectral Density	Mar. 27, 2025	Lin Haoyang	PASS	No deviation
8	15.207	Conducted Emission	Mar. 18, 2025	Fan Shengquan	PASS	No deviation
9	15.247(d)	Restricted Frequency Bands	Mar. 20, 2025	Gao Jianrou	PASS	No deviation
10	15.209, 15.247(d)	Radiated Emission	Mar. 20, 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 Analyzer	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	2026.01.18
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	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	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	$\pm 2.22\text{dB}$	Confidence levels of 95%
Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	Confidence levels of 95%
Conducted Spurious Emission	$\pm 2.77\text{dB}$	Confidence levels of 95%
Restricted Frequency Bands	$\pm 5\%$	Confidence levels of 95%
Radiated Emission	$\pm 2.95\text{dB}$	Confidence levels of 95%
Conducted Emission	$\pm 2.44\text{dB}$	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525
FCC Designation Number:	CN1192
FCC Test Firm Registration Number:	226174



2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Applicant Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Manufacturer:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2. Information of EUT

Product Name:	Mobile Phone	
Sample No.:	1#, 4#, 18#	
Hardware Version:	11	
Software Version:	Android 15	
Equipment Type:	Bluetooth LE	
Bluetooth Version:	5.2	
Modulation Type:	GFSK	
Data Rate:	1Mbps, 2Mbps	
Operating Frequency Range:	2402MHz-2480MHz	
Antenna Type:	Inverted F Antenna	
Antenna Gain:	0.40dBi	
Accessory Information:	Battery	
	Brand Name:	SUPERVOOC
	Model No.:	BLPC71
	Serial No.:	N/A
	Capacity:	Typical: 6000mAh, Rated: 5830mAh
	Rated Voltage:	3.88V
	Charge Limit:	4.48V
	Manufacturer:	Sunwoda Electronic Co., Ltd.
	AC Adaptor 1	
	Brand Name:	SUPERVOOC
	Model No.:	VCB4JAUH
	Serial No.:	N/A



	Rated Output:	5V=2A 10W or 5-11V=4.1A(MAX) 45W(MAX)
	Rated Input:	100-240V~50/60Hz, 1.5A
	Manufacturer:	Huizhou Golden Lake Industrial Co., Ltd.
	AC Adapter 2	
	Brand Name:	SUPERVOOC
	Model No.:	VCB4HAUH
	Serial No.:	N/A
	Rated Output:	5V=2A 10W or 5-11V=4.1A(MAX) 45W(MAX)
	Rated Input:	100-240V~50/60Hz, 1.5A
	Manufacturer:	Huizhou Golden Lake Industrial Co., Ltd.
	AC Adapter 3	
	Brand Name:	SUPERVOOC
	Model No.:	VCB4JAUH
	Serial No.:	N/A
	Rated Output:	5V=2A 10W or 5-11V=4.1A(MAX) 45W(MAX)
	Rated Input:	100-240V~50/60Hz, 1.5A
	Manufacturer:	Jiangsu Chenyang Electron Co.,Ltd.
	AC Adapter 4	
	Brand Name:	SUPERVOOC
	Model No.:	VCB4HAUH
	Serial No.:	N/A
	Rated Output:	5V=2A 10W or 5-11V=4.1A(MAX) 45W(MAX)
	Rated Input:	100-240V~50/60Hz, 1.5A
	Manufacturer:	Shenzhen Huntkey Electric Co., Ltd.
	USB Cable 1	
	Model No.:	DL129
	USB Cable 2	
	Model No.:	DL154

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

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

2.4. Test Configuration of EUT

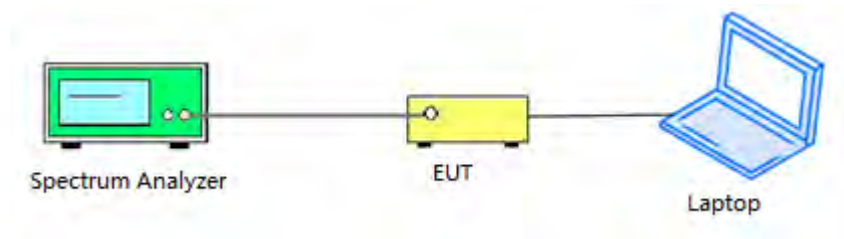
The EUT is controlled by dedicated software to transmit at the default maximum power level.

2.5. Test Conditions

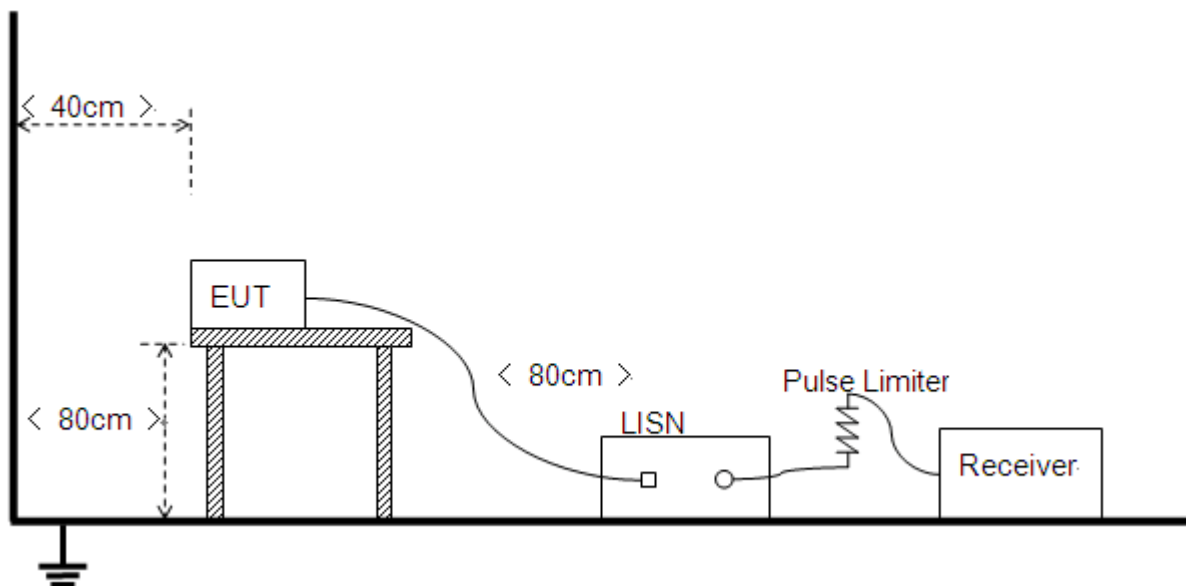
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

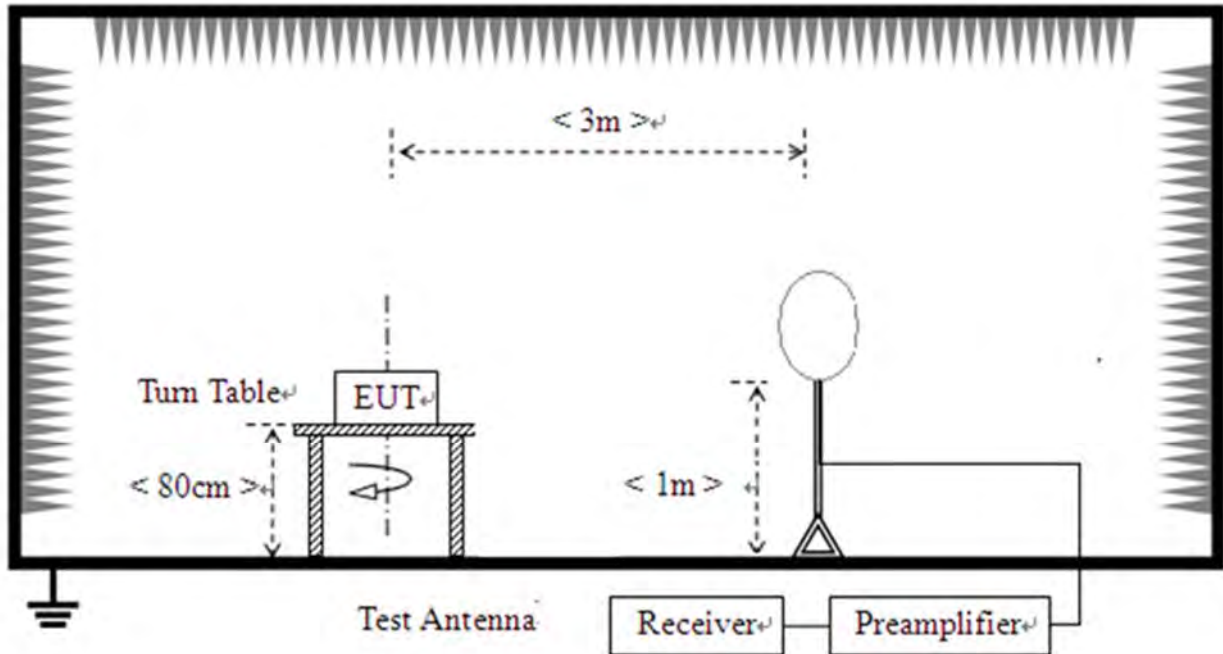


2.6.2. Conducted Emission Measurement

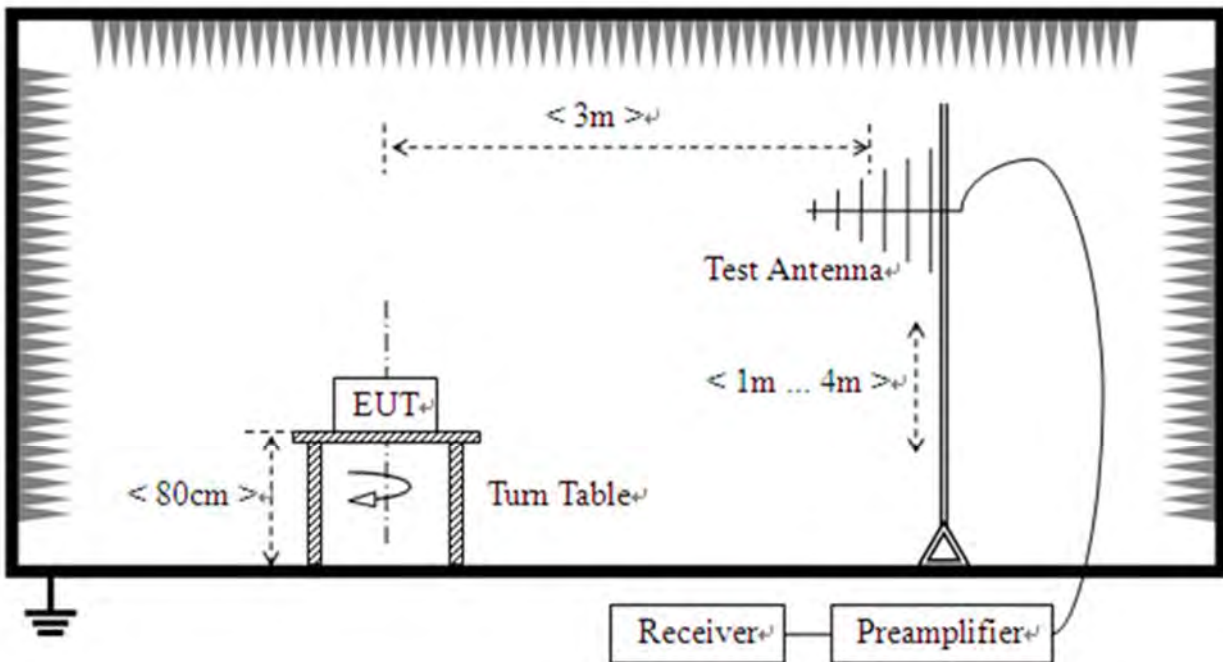


2.6.3.Radiation Measurement

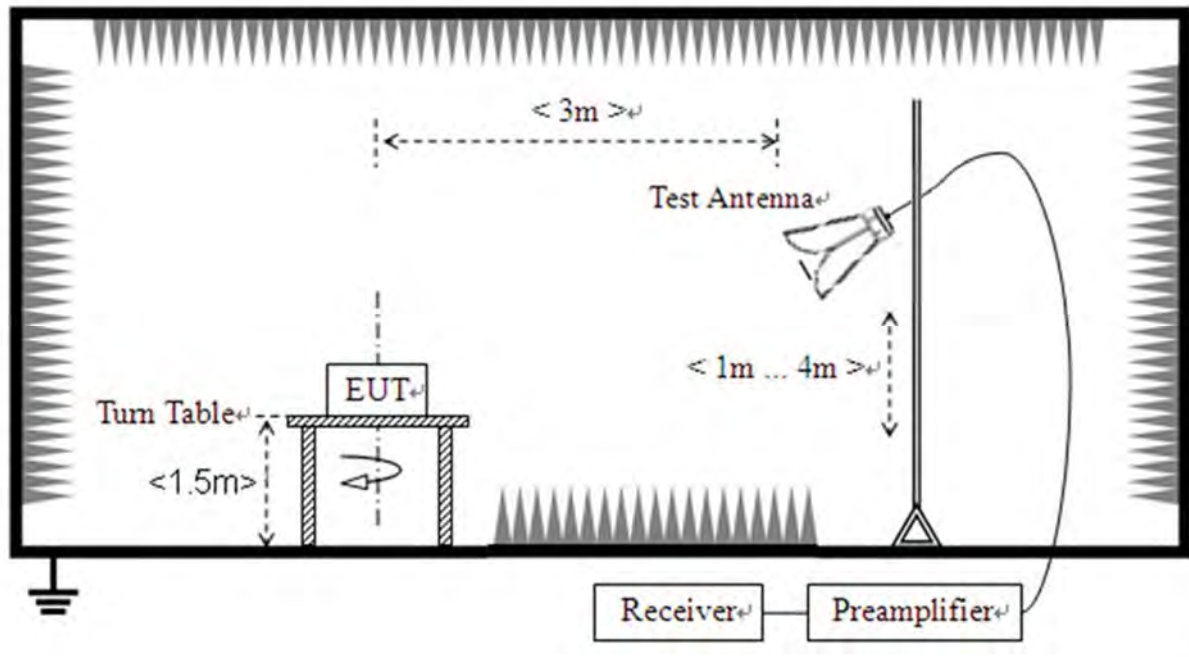
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz 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 ☒ Inverted F 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 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 to 100kHz
- 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 by 6 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., $RBW = 100\text{ kHz}$, $VBW \geq 3 \times RBW$, 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 $\geq 6\text{ dB}$.

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 to 1.5 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 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.

3.8.2. 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 $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$

VBW = 3 MHz

Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.9.3. 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 ($\mu\text{V}/\text{m}$)	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).



3.10.2.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.



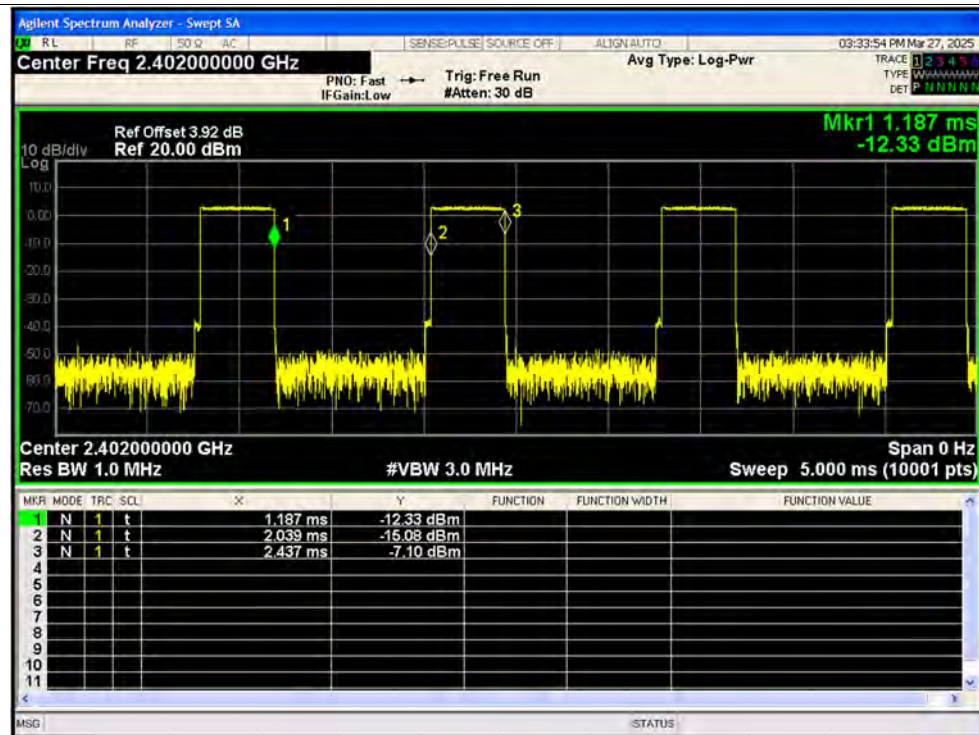
Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

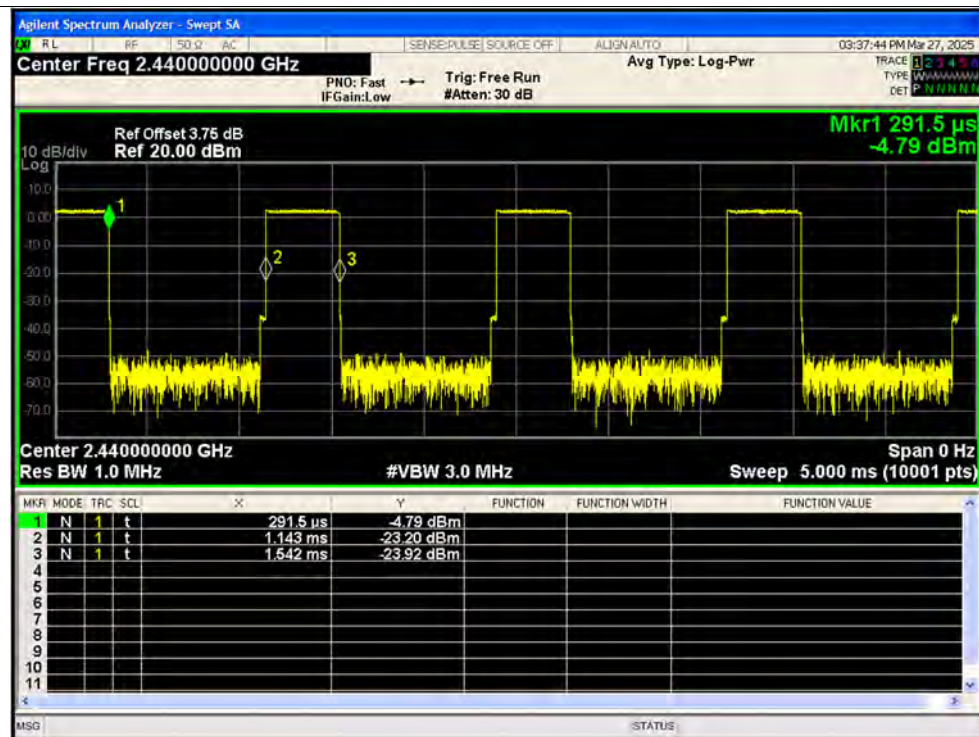
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	31.88	4.96	2.51
NVNT	BLE 1M	2440	Ant1	31.91	4.96	2.51
NVNT	BLE 1M	2480	Ant1	31.88	4.96	2.51
NVNT	BLE 2M	2402	Ant1	32.72	4.85	4.89
NVNT	BLE 2M	2440	Ant1	32.77	4.84	4.88
NVNT	BLE 2M	2480	Ant1	32.72	4.85	4.89

Test Graphs

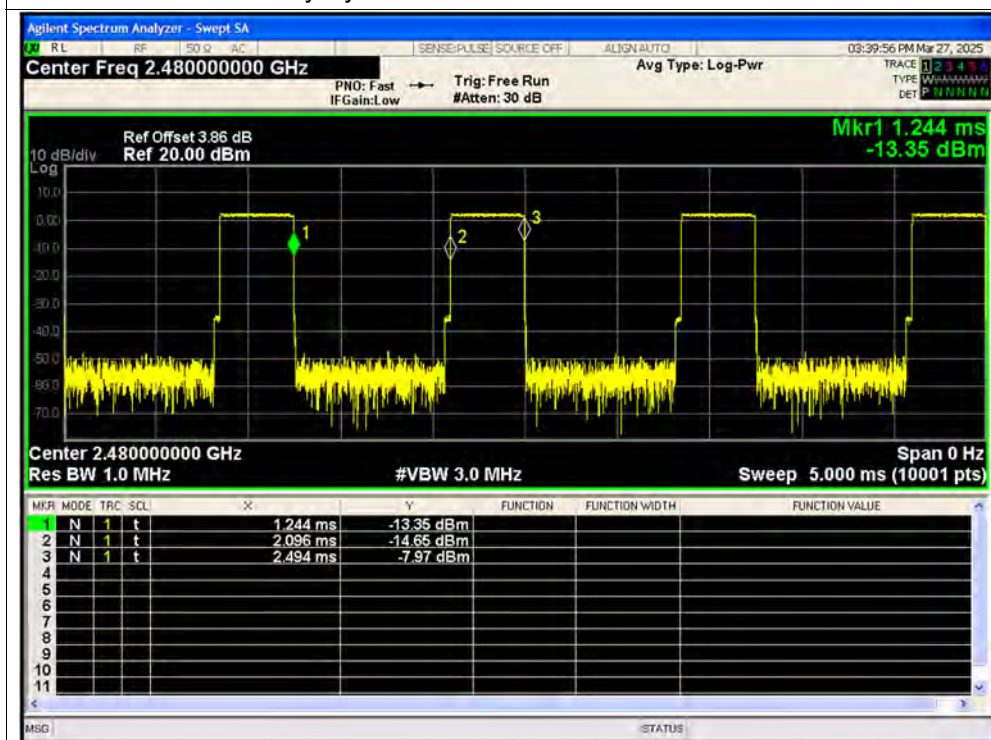
Duty Cycle NVNT BLE 1M 2402MHz Ant1



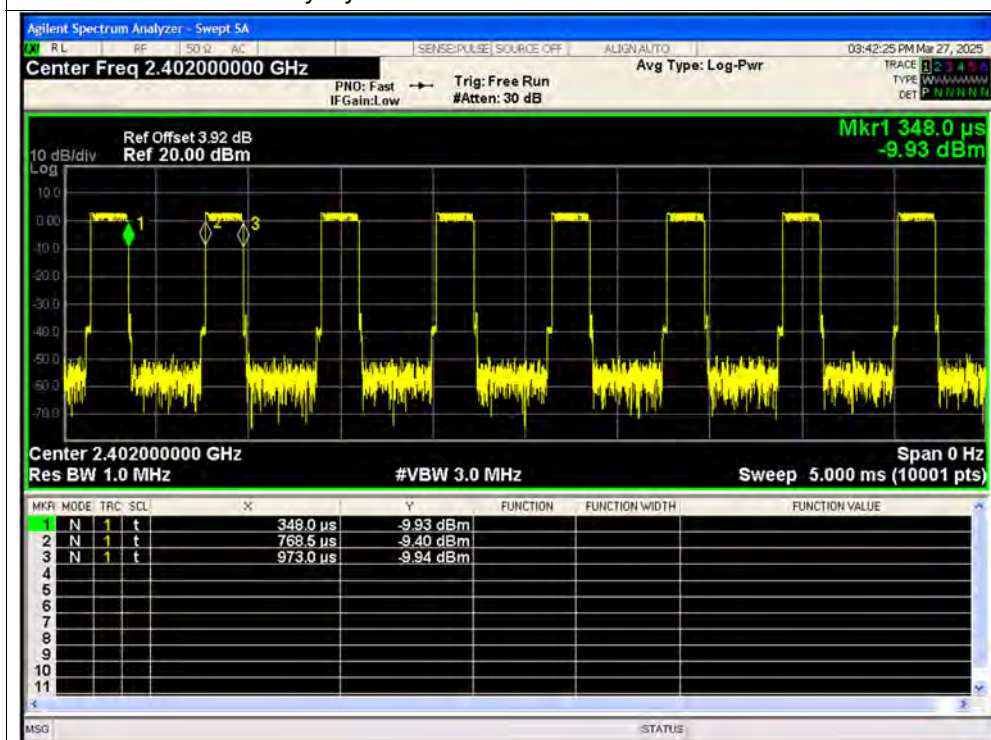
Duty Cycle NVNT BLE 1M 2440MHz Ant1



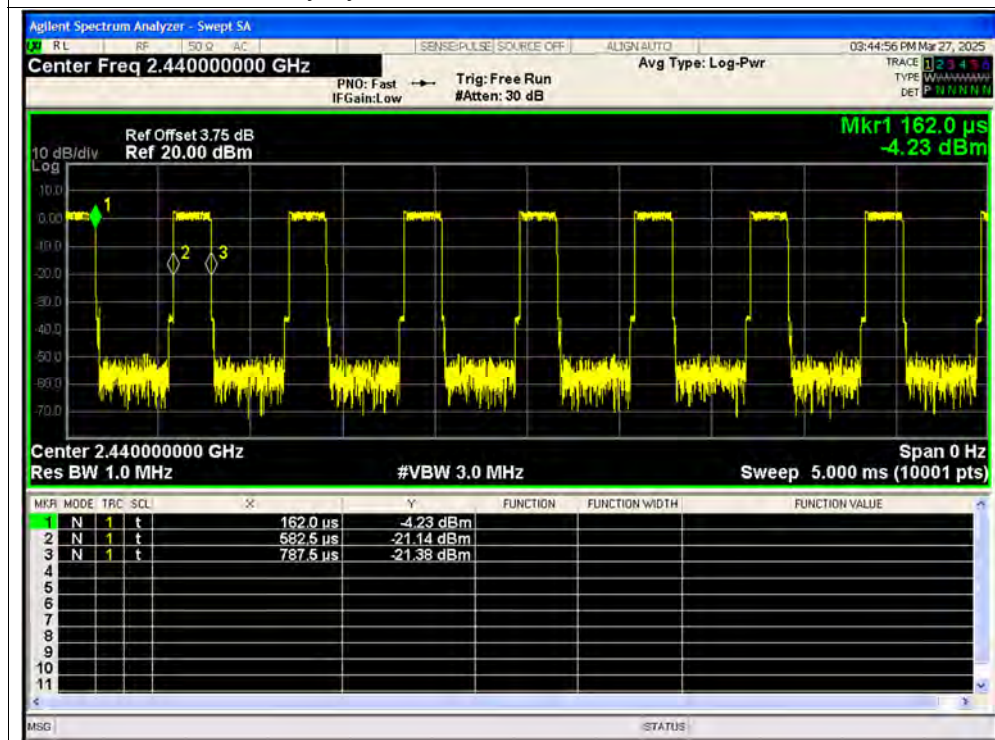
Duty Cycle NVNT BLE 1M 2480MHz Ant1



Duty Cycle NVNT BLE 2M 2402MHz Ant1



Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2480MHz Ant1

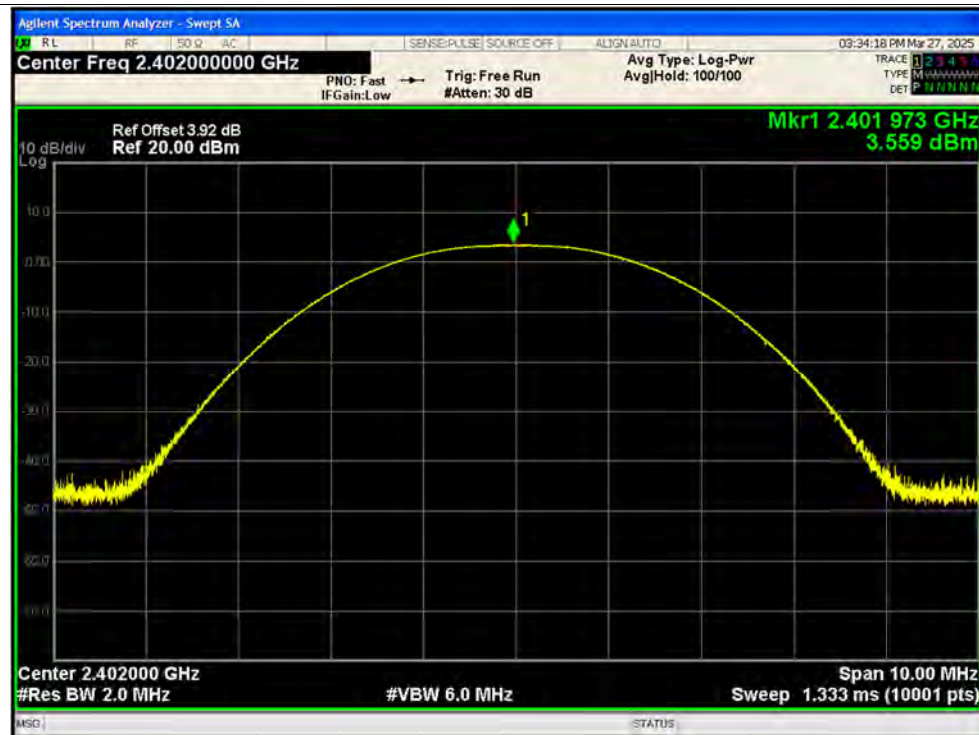


**A.2. Maximum Peak Conducted Output Power**

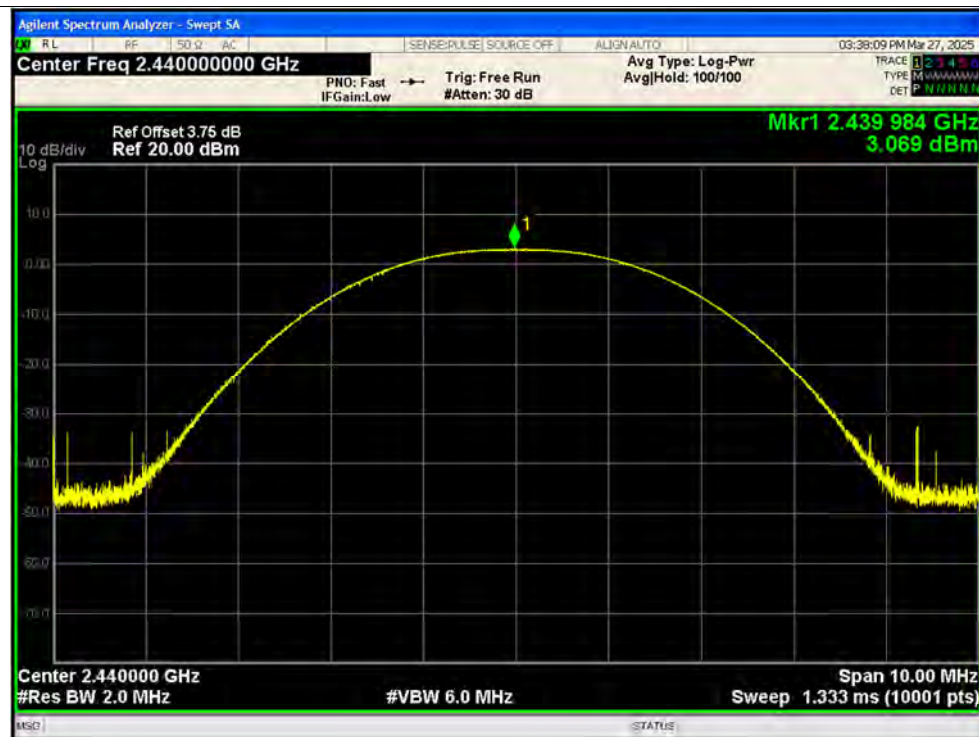
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	3.56	0	3.56	0.00227	30	Pass
NVNT	BLE 1M	2440	Ant1	3.07	0	3.07	0.00203	30	Pass
NVNT	BLE 1M	2480	Ant1	2.9	0	2.9	0.00195	30	Pass
NVNT	BLE 2M	2402	Ant1	3.41	0	3.41	0.00219	30	Pass
NVNT	BLE 2M	2440	Ant1	2.85	0	2.85	0.00193	30	Pass
NVNT	BLE 2M	2480	Ant1	2.67	0	2.67	0.00185	30	Pass

Test Graphs

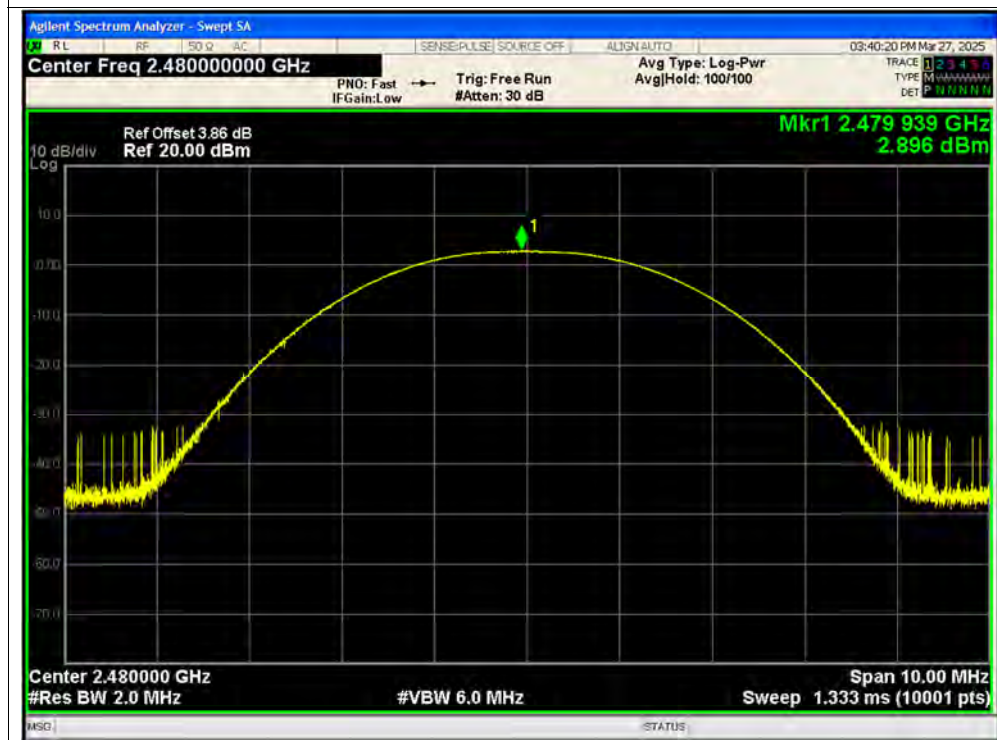
Peak Power NVNT BLE 1M 2402MHz Ant1



Peak Power NVNT BLE 1M 2440MHz Ant1



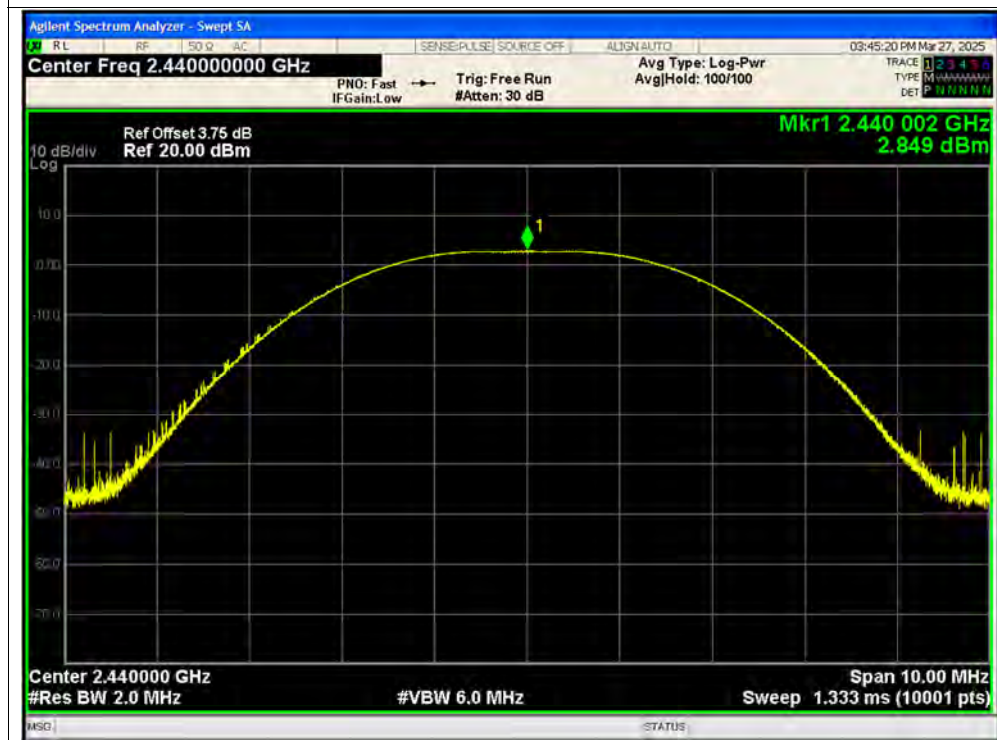
Peak Power NVNT BLE 1M 2480MHz Ant1



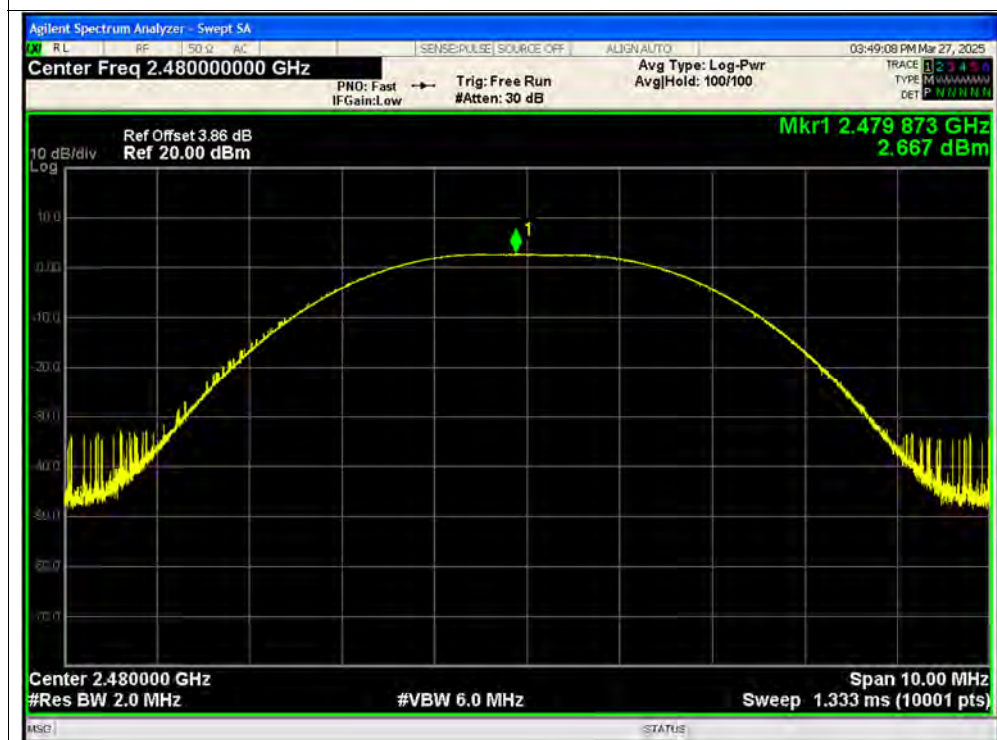
Peak Power NVNT BLE 2M 2402MHz Ant1



Peak Power NVNT BLE 2M 2440MHz Ant1



Peak Power NVNT BLE 2M 2480MHz Ant1



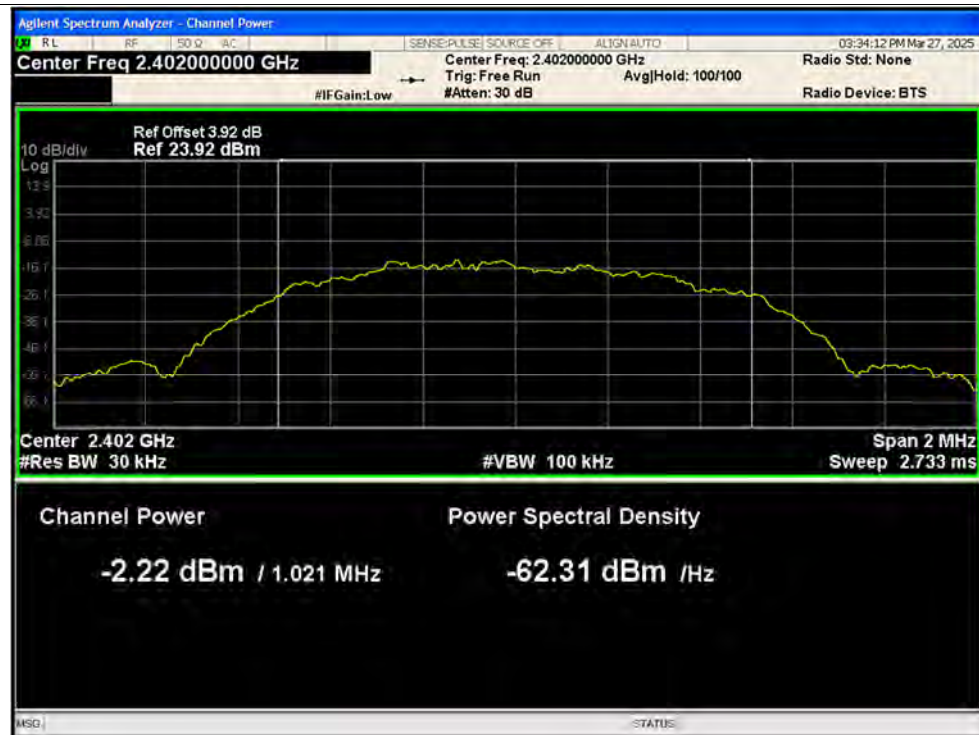
**A.3. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.22	4.96	2.74	0.00188	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.48	4.96	2.48	0.00177	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.26	4.96	2.7	0.00186	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.74	4.85	3.11	0.00205	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.14	4.84	2.7	0.00186	30	Pass
NVNT	BLE 2M	2480	Ant1	-2.6	4.85	2.25	0.00168	30	Pass

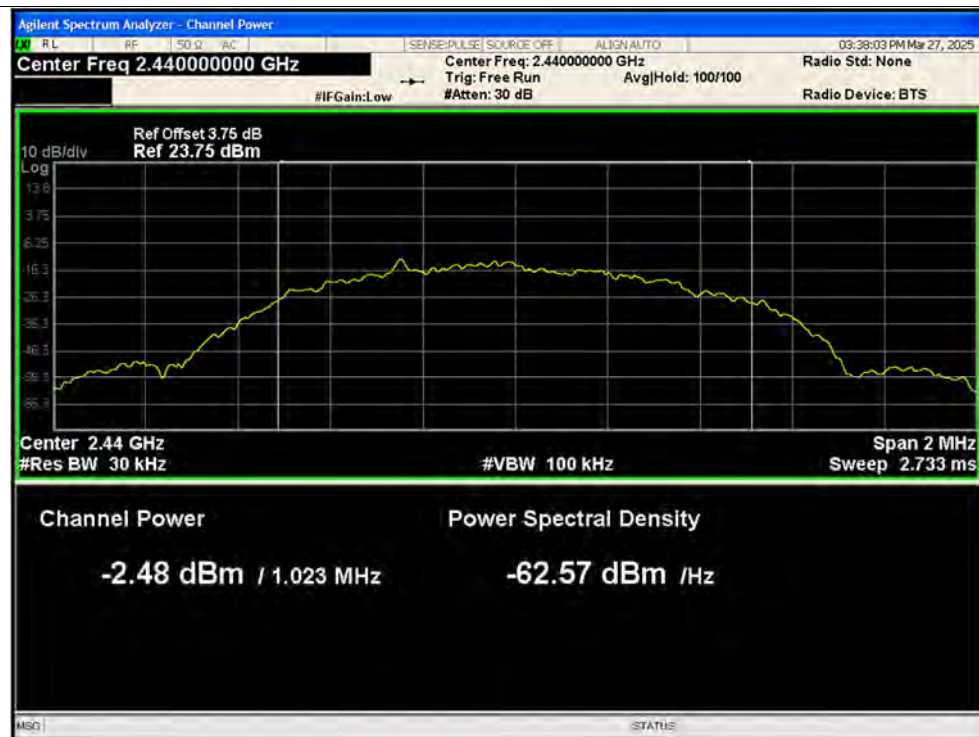


Test Graphs

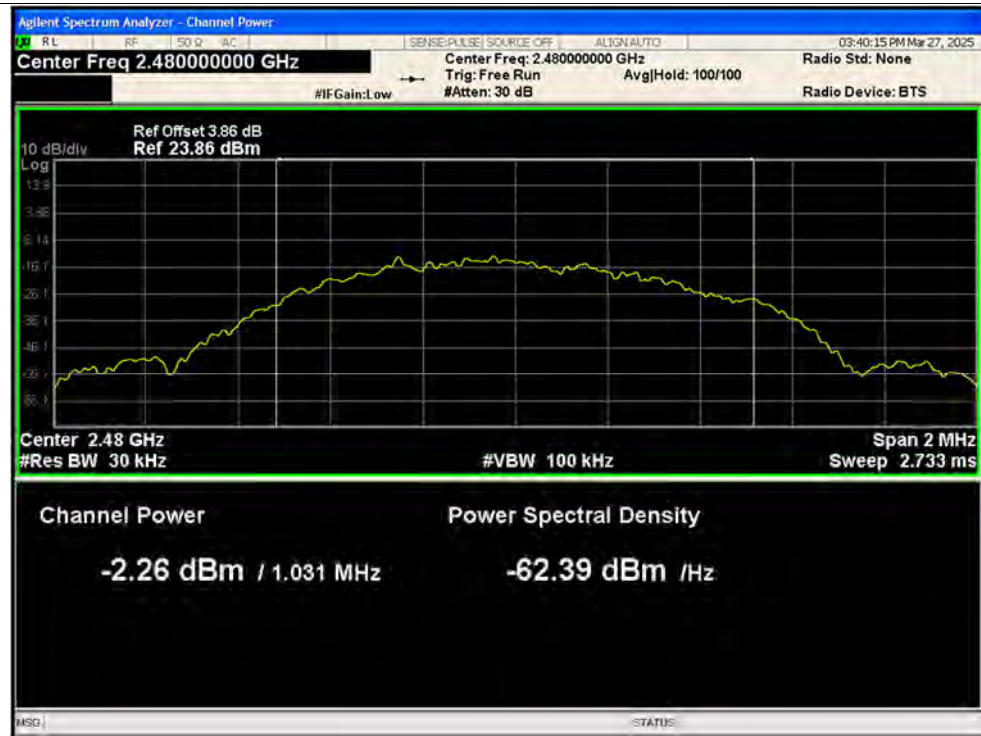
Average Power NVNT BLE 1M 2402MHz Ant1



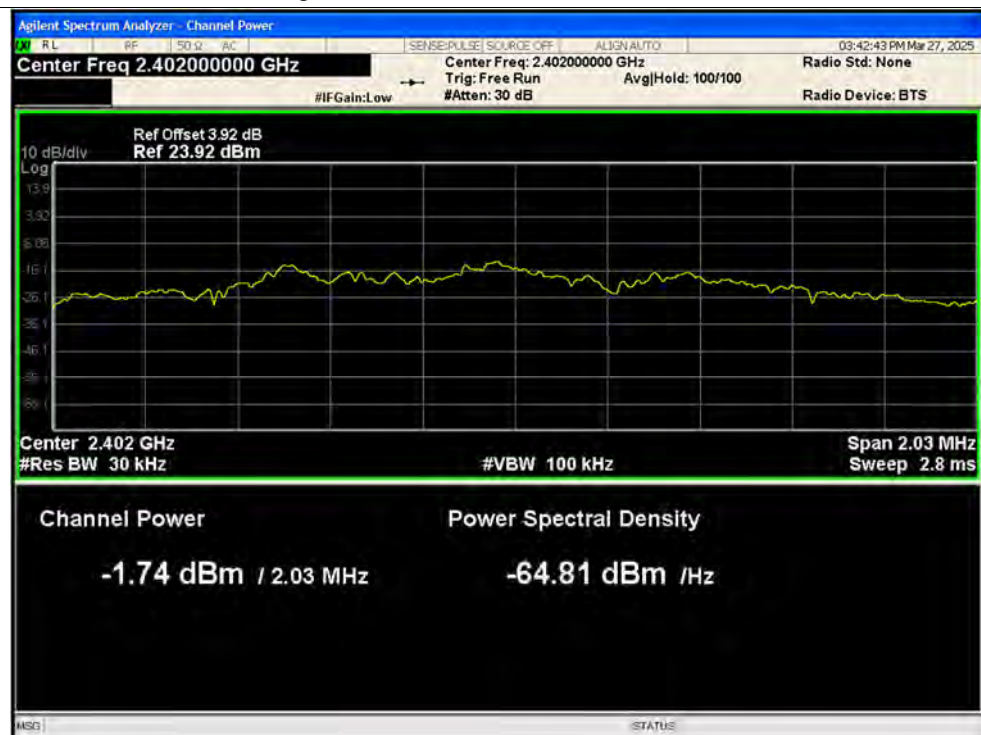
Average Power NVNT BLE 1M 2440MHz Ant1



Average Power NVNT BLE 1M 2480MHz Ant1

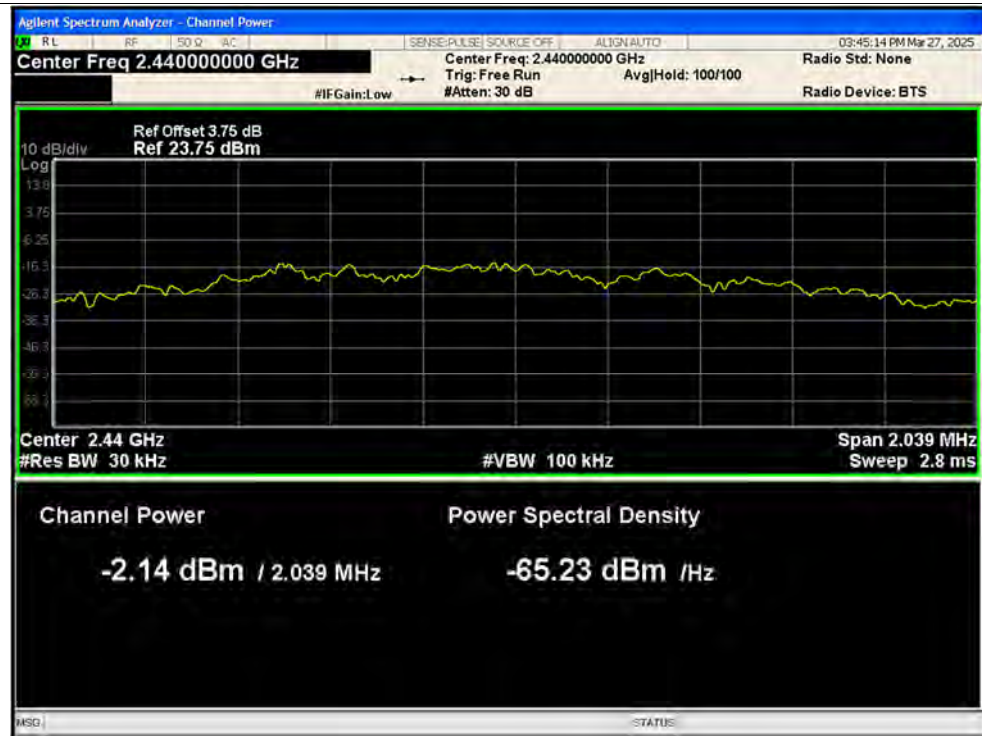


Average Power NVNT BLE 2M 2402MHz Ant1

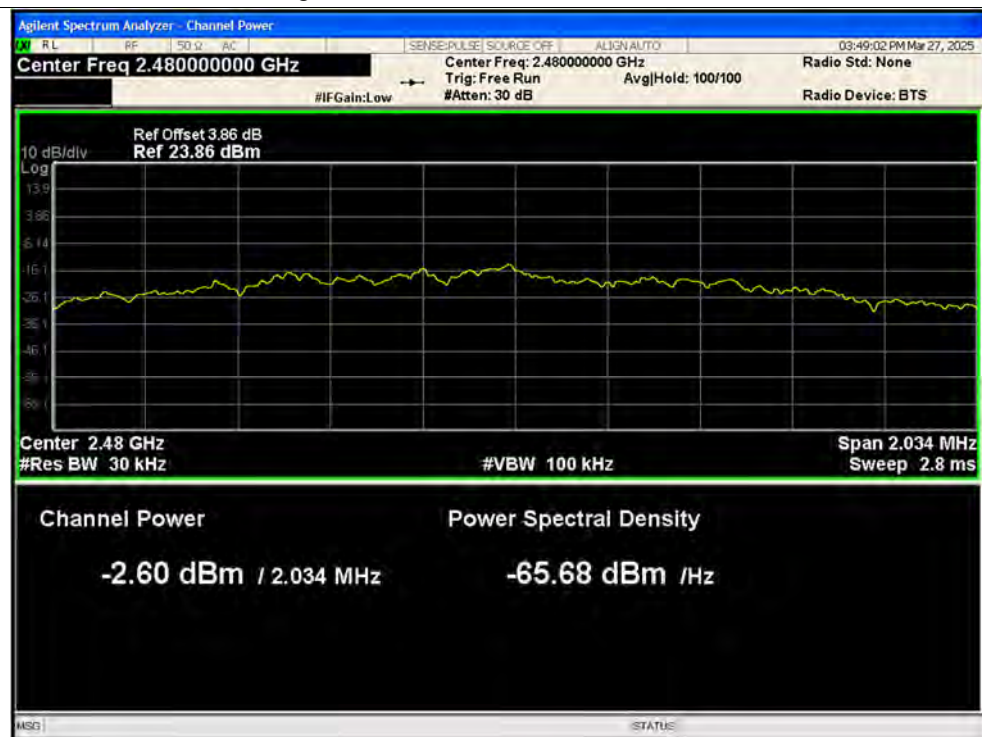




Average Power NVNT BLE 2M 2440MHz Ant1



Average Power NVNT BLE 2M 2480MHz Ant1



**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6384	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6514	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6444	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.118	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.112	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.112	0.5	Pass



Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



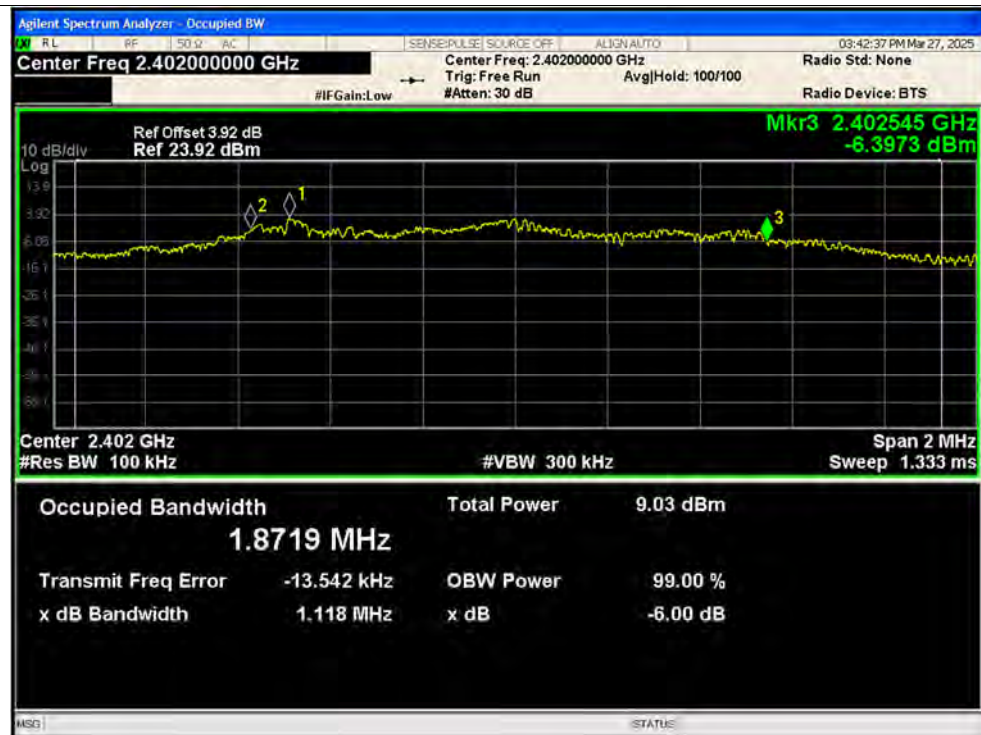
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1

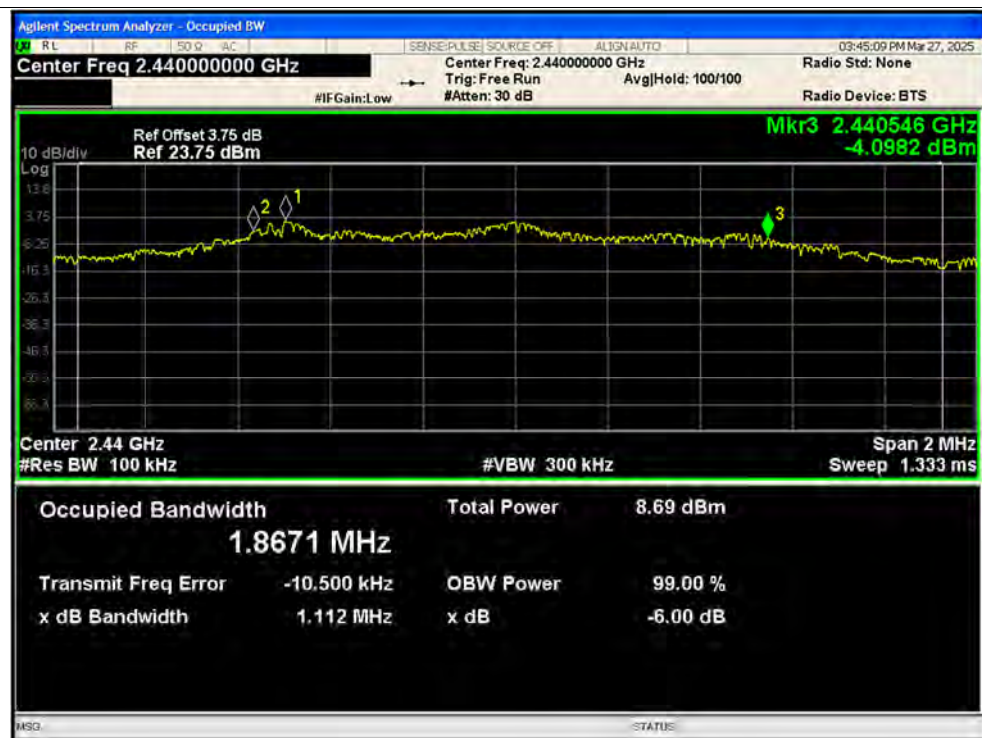


-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1

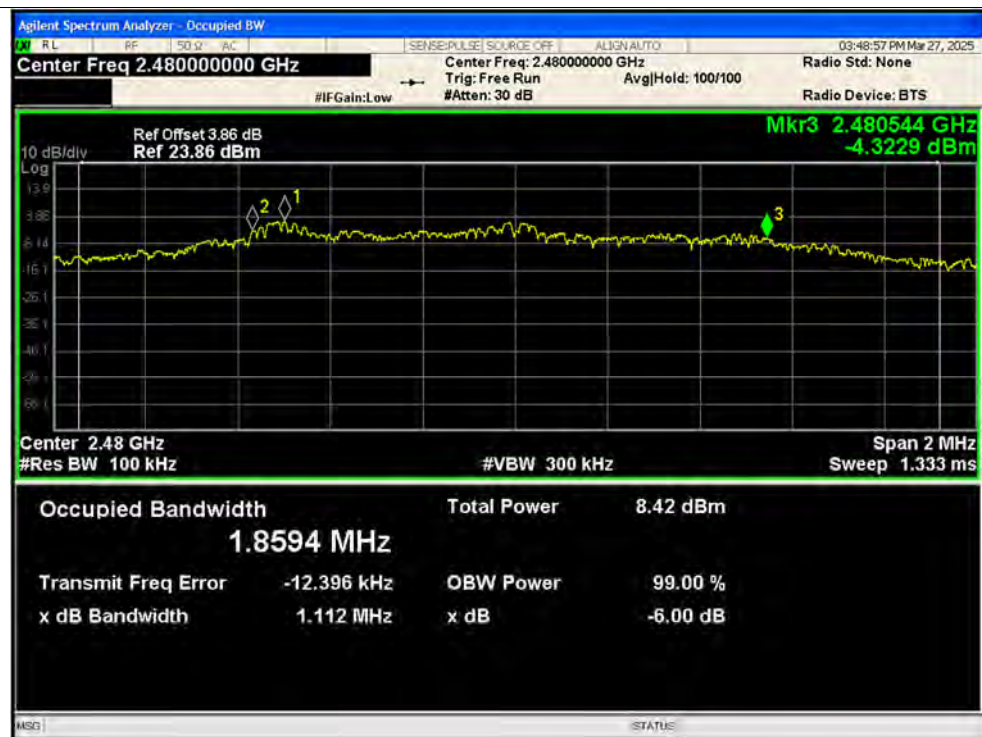




-6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



**A.5. Conducted Spurious Emissions**

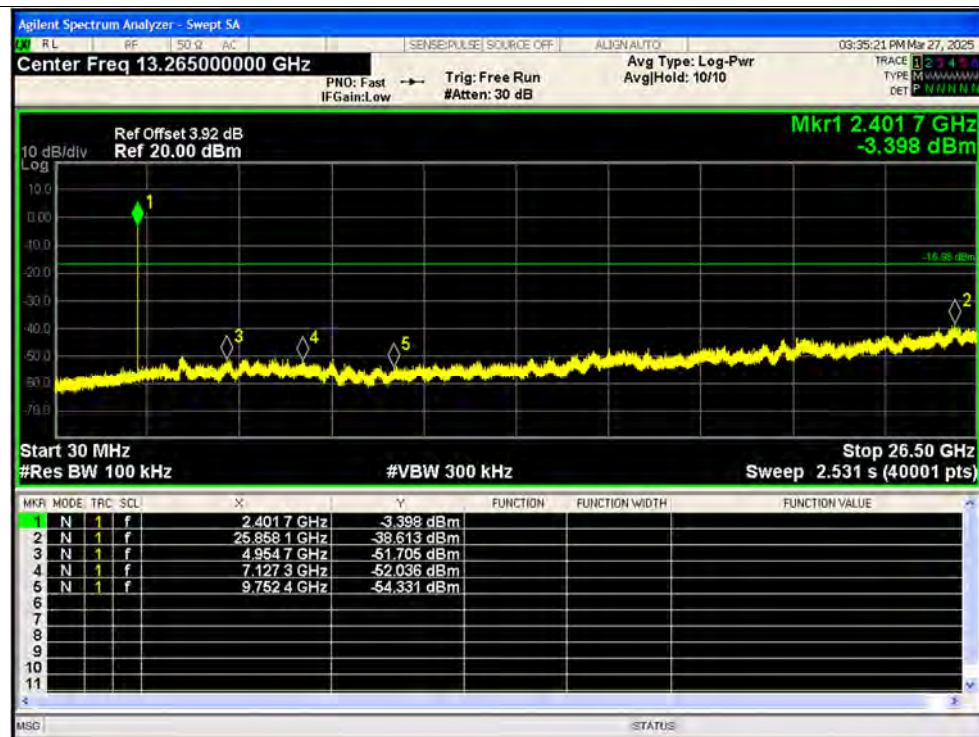
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.65	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.46	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.75	-20	Pass
NVNT	BLE 2M	2402	Ant1	-41.4	-20	Pass
NVNT	BLE 2M	2440	Ant1	-40.31	-20	Pass
NVNT	BLE 2M	2480	Ant1	-41.25	-20	Pass

Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



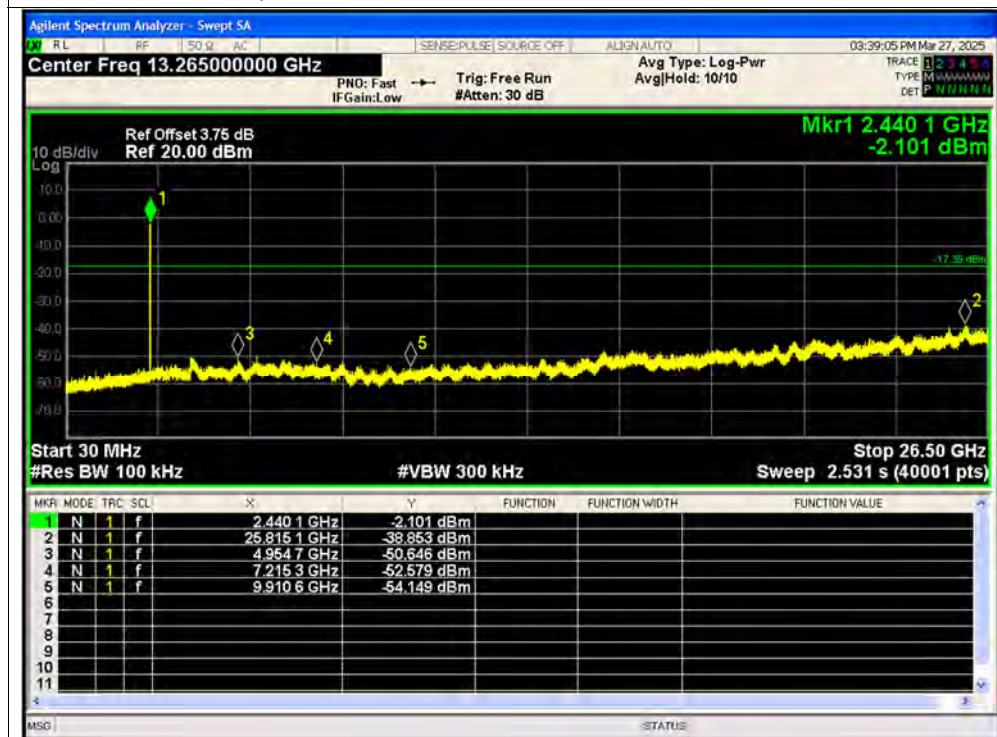
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



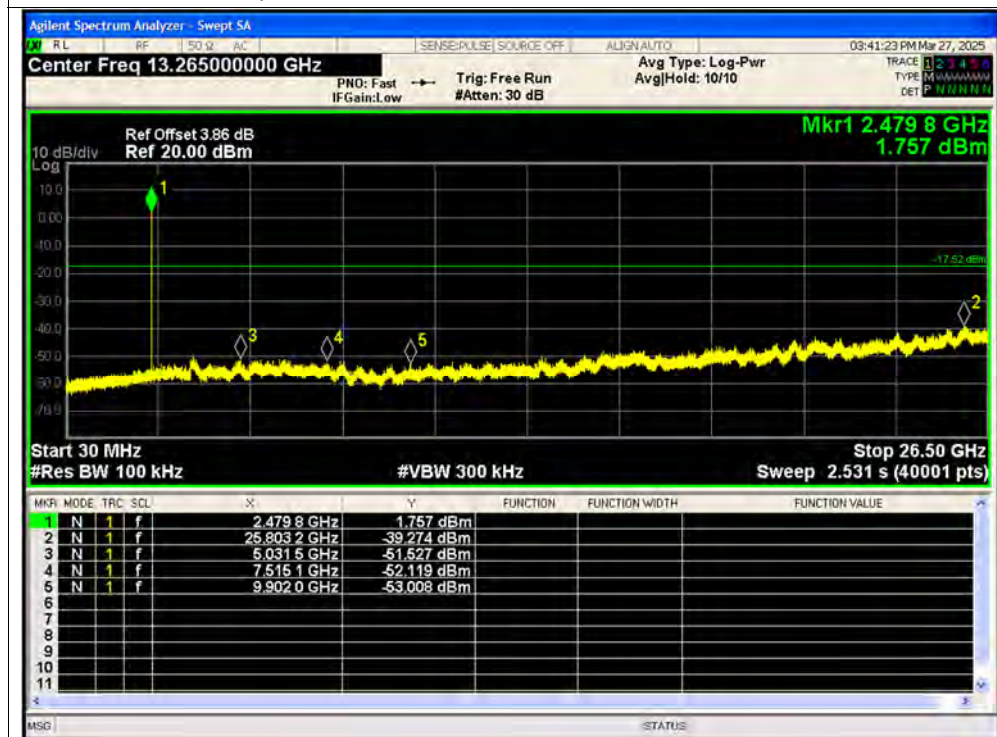
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



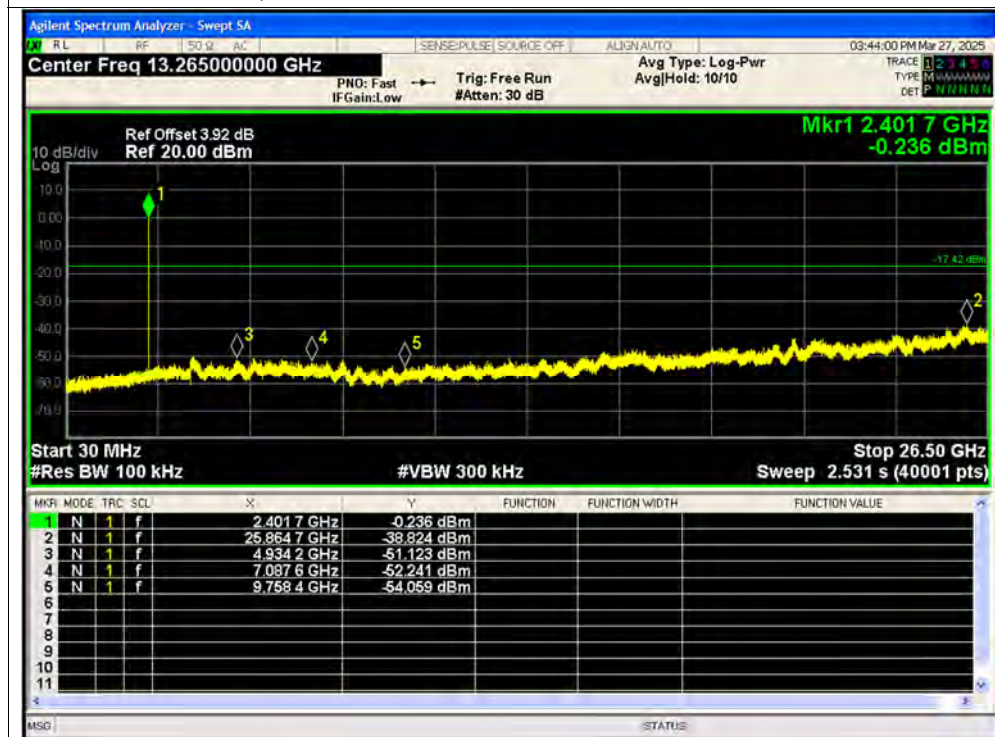
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



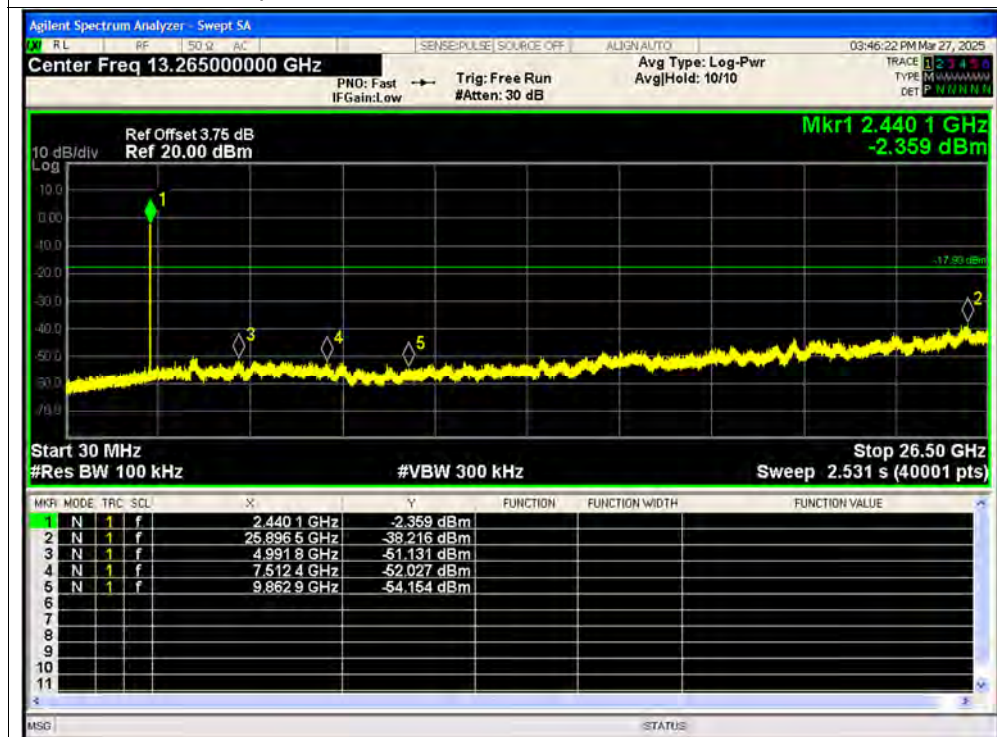
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



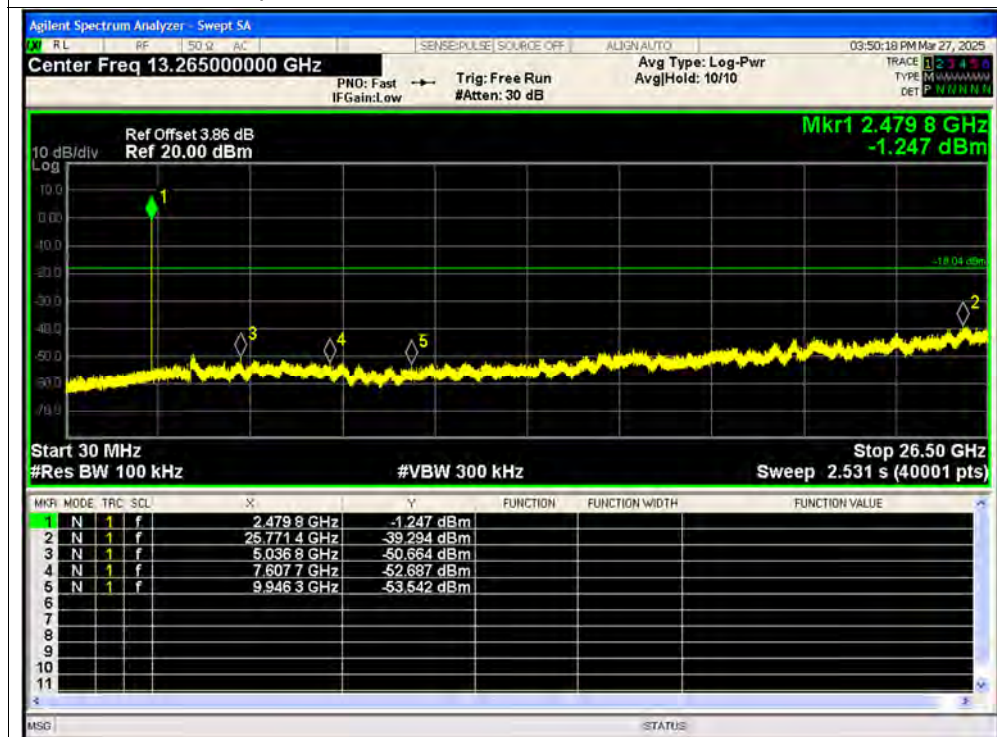
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission





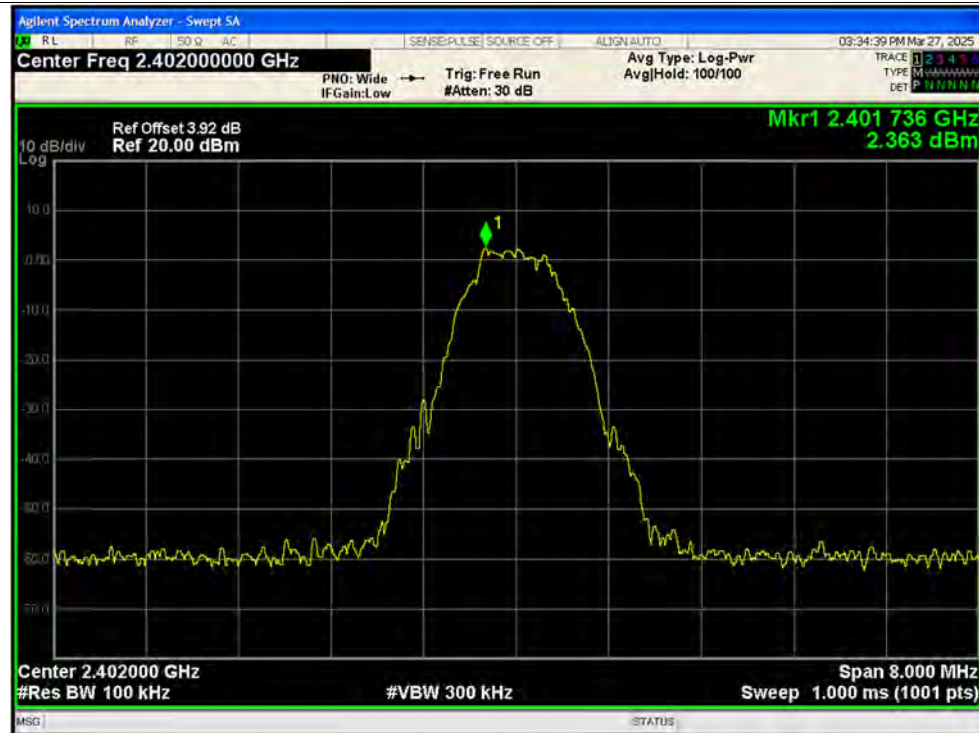
REPORT No.: SZ25020294W02

A.6. Band Edge

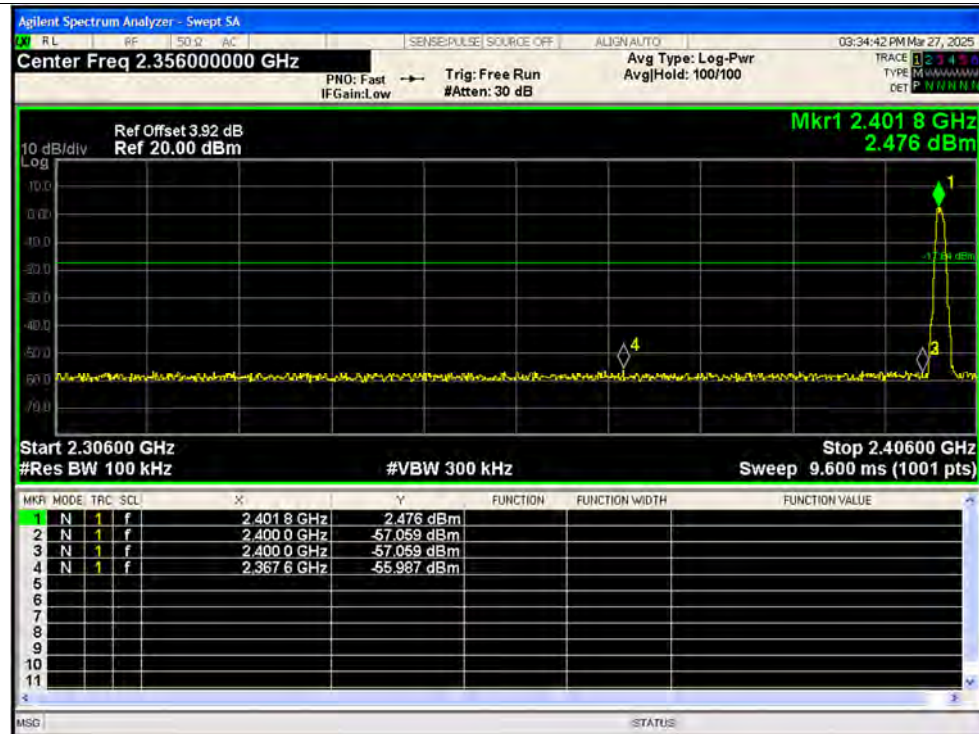
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-58.34	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.66	-20	Pass
NVNT	BLE 2M	2402	Ant1	-46.87	-20	Pass
NVNT	BLE 2M	2480	Ant1	-55.99	-20	Pass

Test Graphs

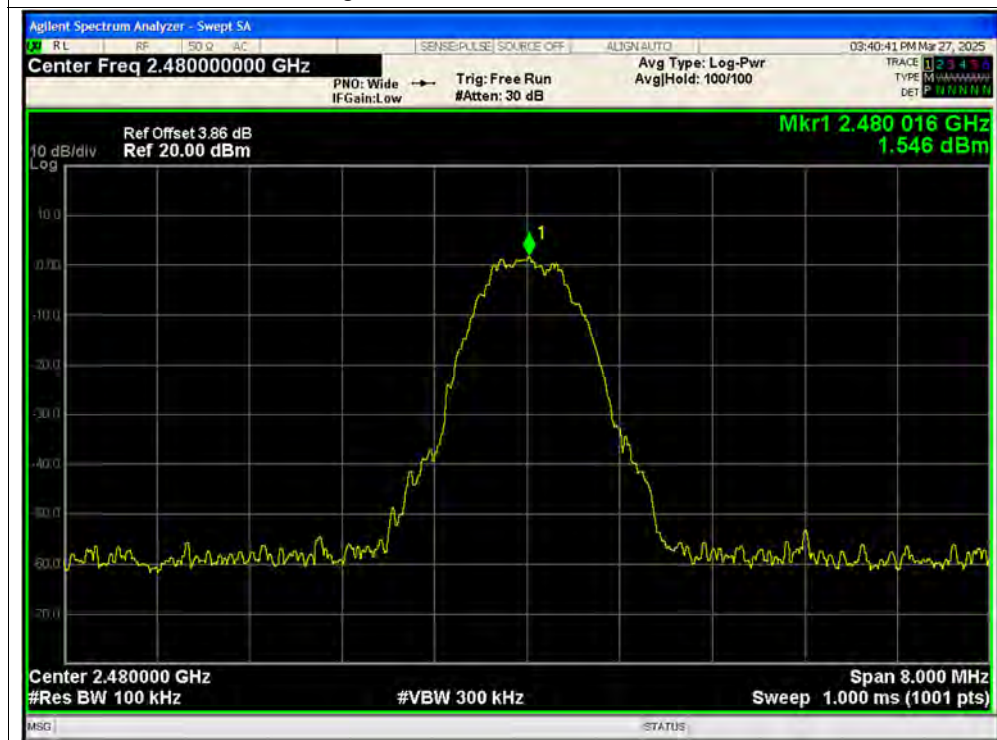
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



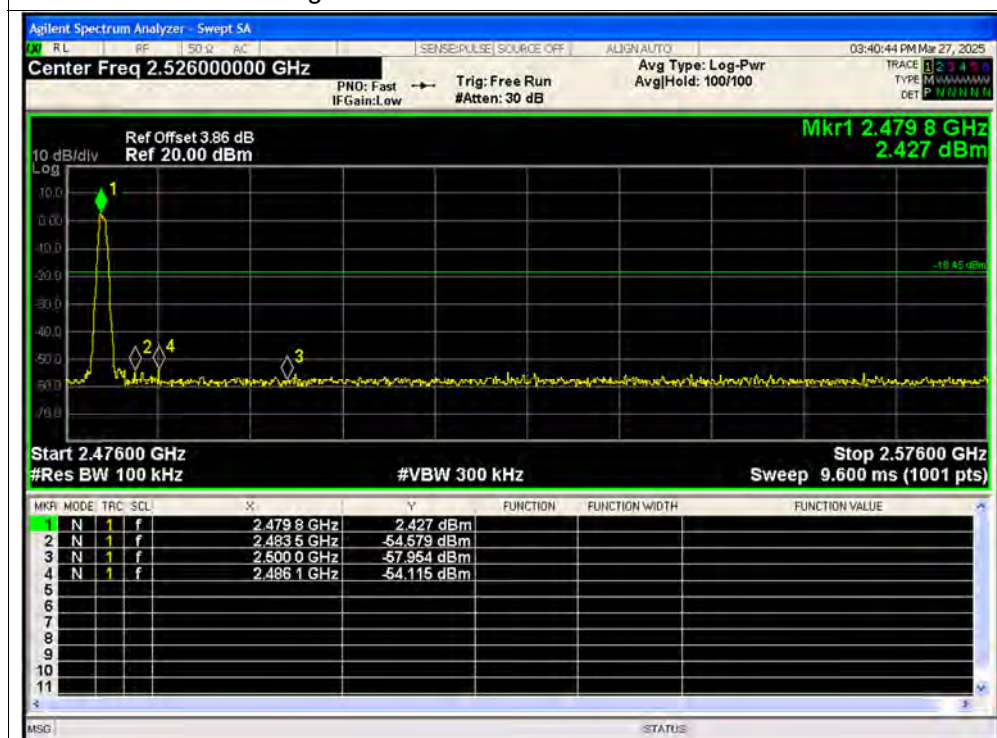
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



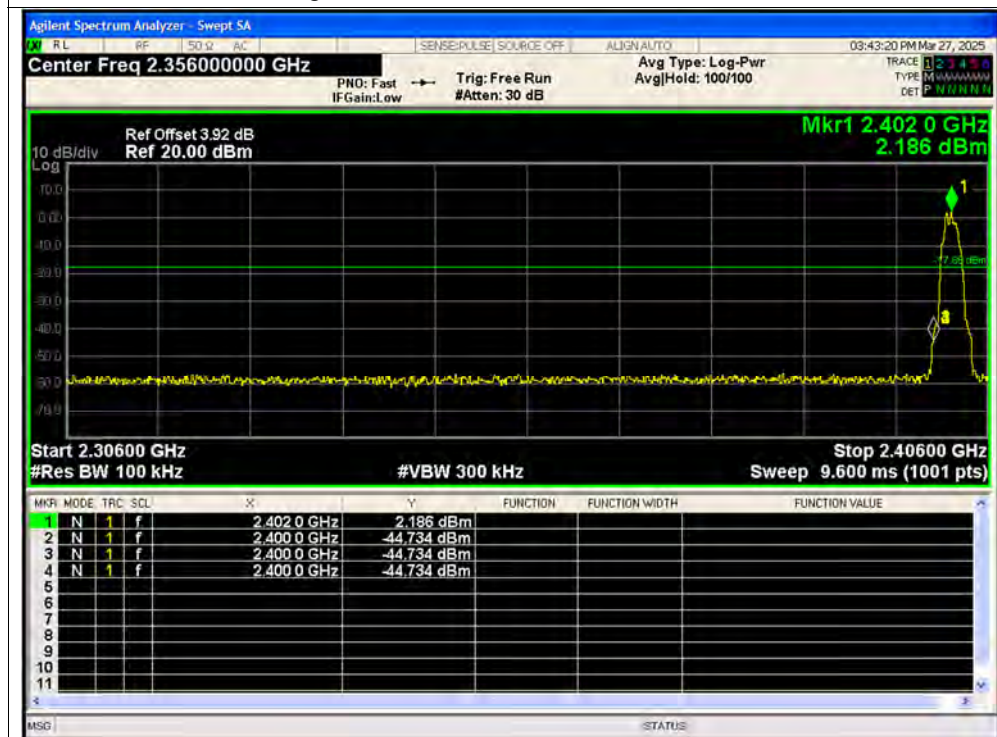
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



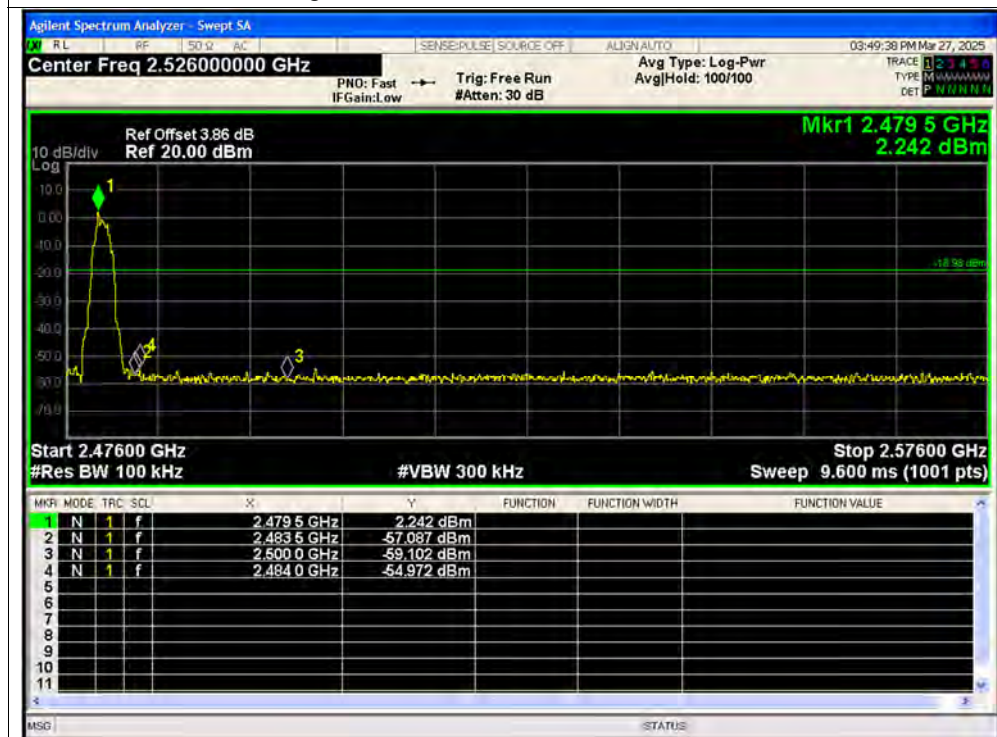
Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Band Edge NVNT BLE 2M 2480MHz 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	BLE 1M	2402	Ant1	-11.78	0	-11.78	8	Pass
NVNT	BLE 1M	2440	Ant1	-10.74	0	-10.74	8	Pass
NVNT	BLE 1M	2480	Ant1	-12.37	0	-12.37	8	Pass
NVNT	BLE 2M	2402	Ant1	-14.28	0	-14.28	8	Pass
NVNT	BLE 2M	2440	Ant1	-14.83	0	-14.83	8	Pass
NVNT	BLE 2M	2480	Ant1	-14.99	0	-14.99	8	Pass

Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1



PSD NVNT BLE 1M 2480MHz Ant1



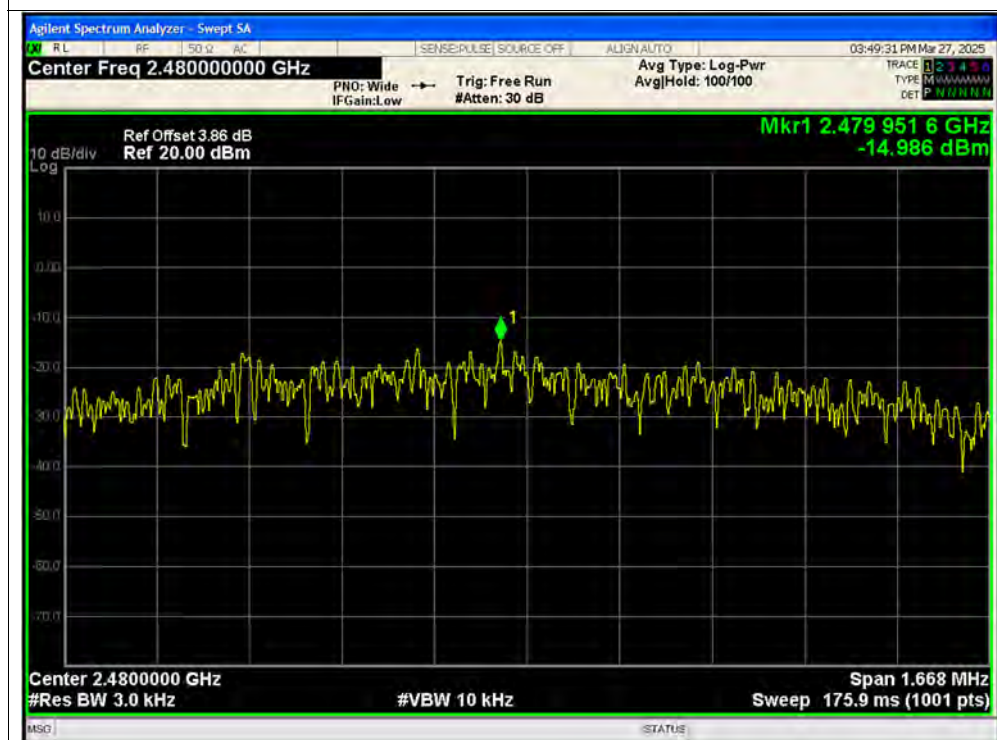
PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2440MHz Ant1



PSD NVNT BLE 2M 2480MHz 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+Earphone+BLE TX

Test voltage: AC 120V/60Hz

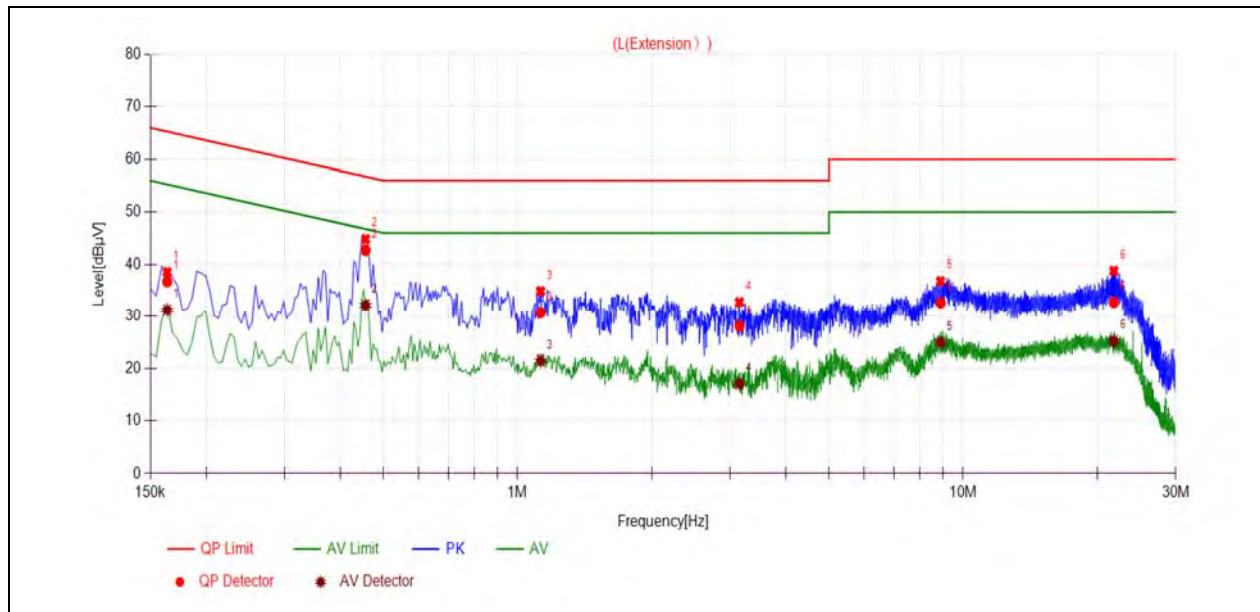
The measurement results are obtained as below:

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

U_R : Receiver Reading

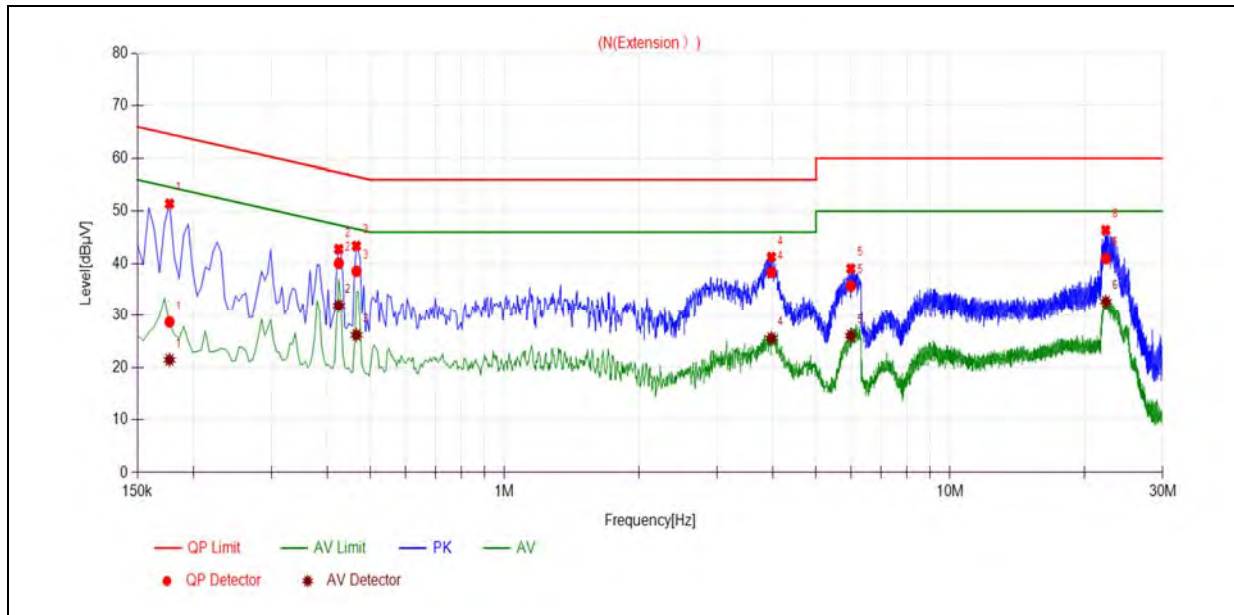
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	36.73	31.22	65.28	65.28	Line	PASS
2	0.4560	42.73	32.15	56.76	56.76		PASS
3	1.1265	30.72	21.39	56.00	56.00		PASS
4	3.1471	28.10	17.05	56.00	56.00		PASS
5	8.9020	32.65	24.97	60.00	60.00		PASS
6	21.7853	32.74	25.25	60.00	60.00		PASS



(N Phase)

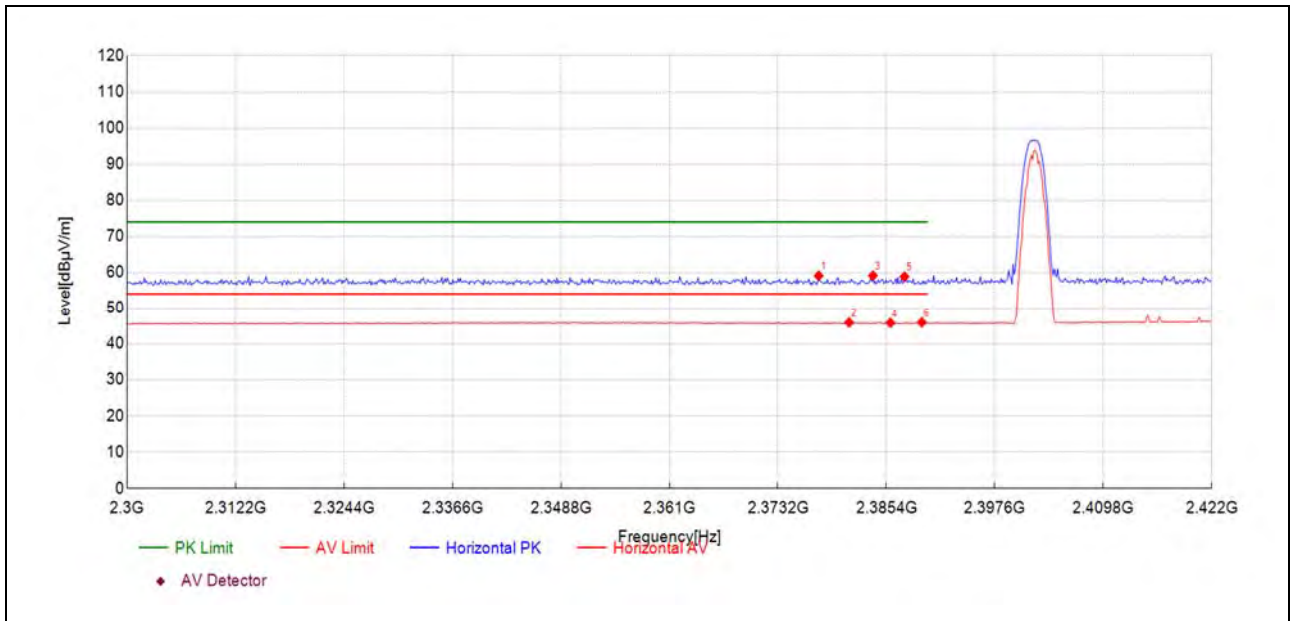
No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1770	28.71	21.42	64.63	54.63	Neutral	PASS
2	0.4245	40.05	31.90	57.36	47.36		PASS
3	0.4650	38.54	26.18	56.60	46.60		PASS
4	3.9706	38.32	25.57	56.00	46.00		PASS
5	5.9871	35.70	26.07	60.00	50.00		PASS
6	22.3497	40.95	32.72	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 (Horizontal) was recorded in this test report.

1Mbps

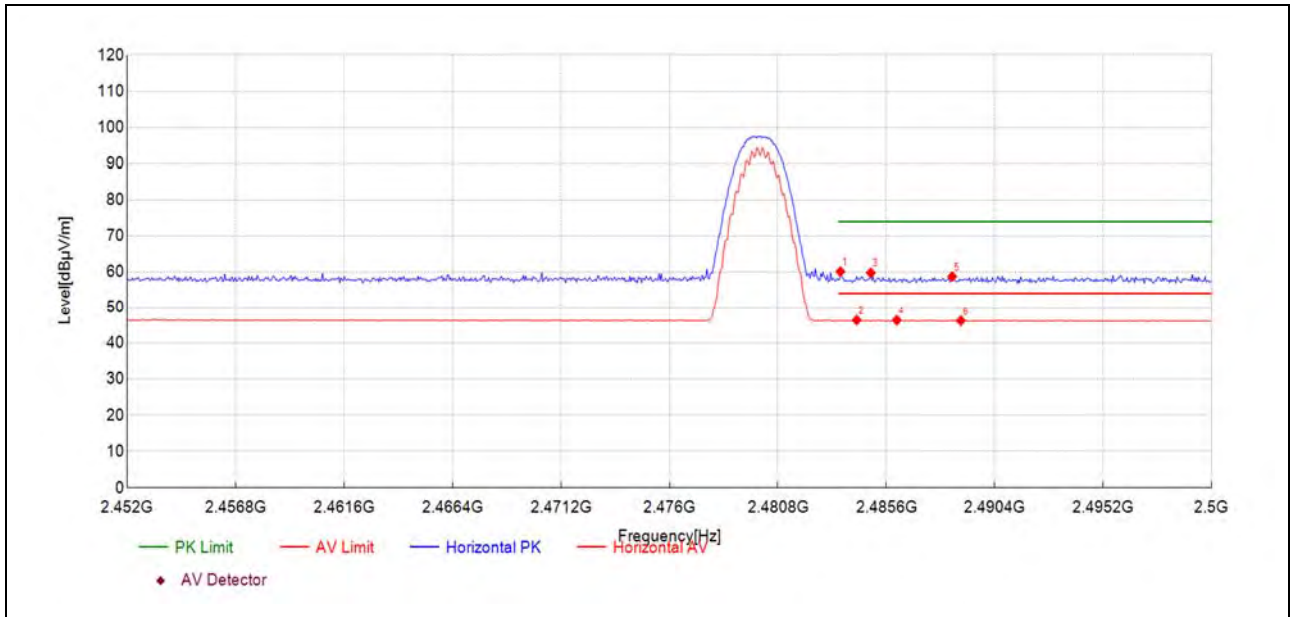
Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2377.79	21.6	59.12	37.480	74.00	14.88	150	306	PK	PASS
2381.21	8.5	45.95	37.480	54.00	8.05	150	75	AV	PASS
2383.90	21.7	59.16	37.490	74.00	14.84	150	302	PK	PASS
2385.85	8.4	45.84	37.490	54.00	8.16	150	106	AV	PASS
2387.44	21.4	58.87	37.490	74.00	15.13	150	275	PK	PASS
2389.39	8.5	45.99	37.490	54.00	8.01	150	111	AV	PASS



Plot for Channel 39

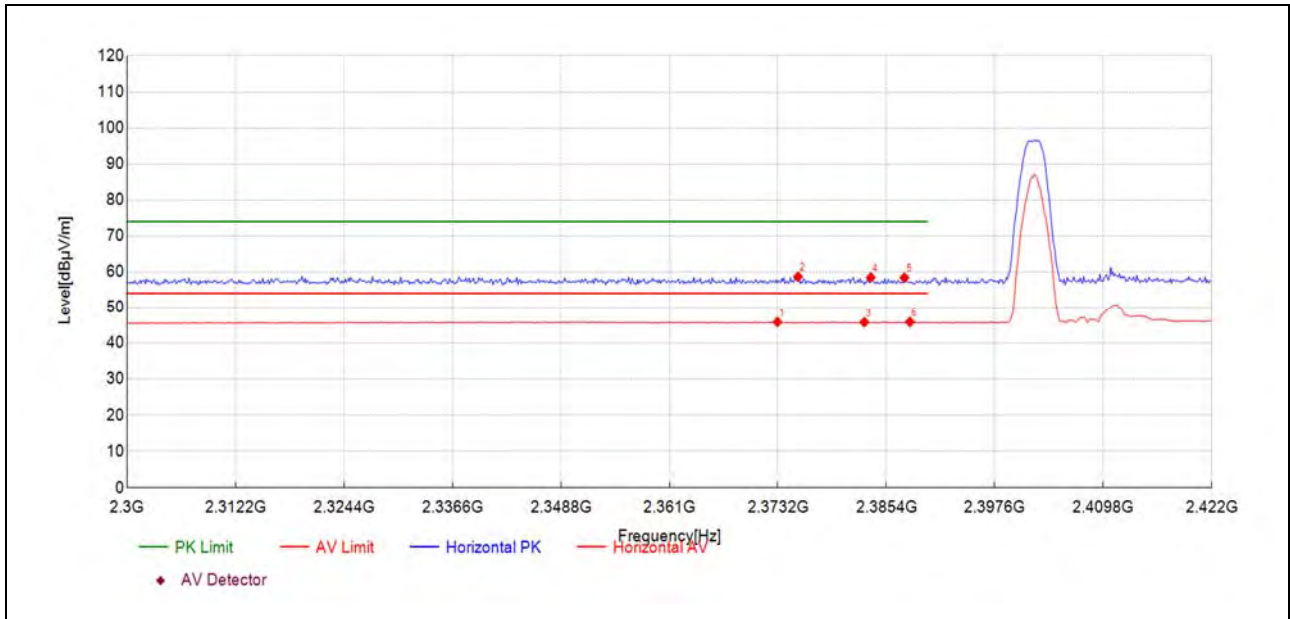


Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.57	21.9	60.14	38.280	74.00	13.86	150	85	PK	PASS
2484.29	8.2	46.43	38.270	54.00	7.57	150	157	AV	PASS
2484.91	21.5	59.80	38.270	74.00	14.20	150	300	PK	PASS
2486.07	8.1	46.38	38.280	54.00	7.62	150	134	AV	PASS
2488.52	20.5	58.76	38.270	74.00	15.24	150	152	PK	PASS
2488.90	8.0	46.26	38.260	54.00	7.74	150	103	AV	PASS



2Mbps

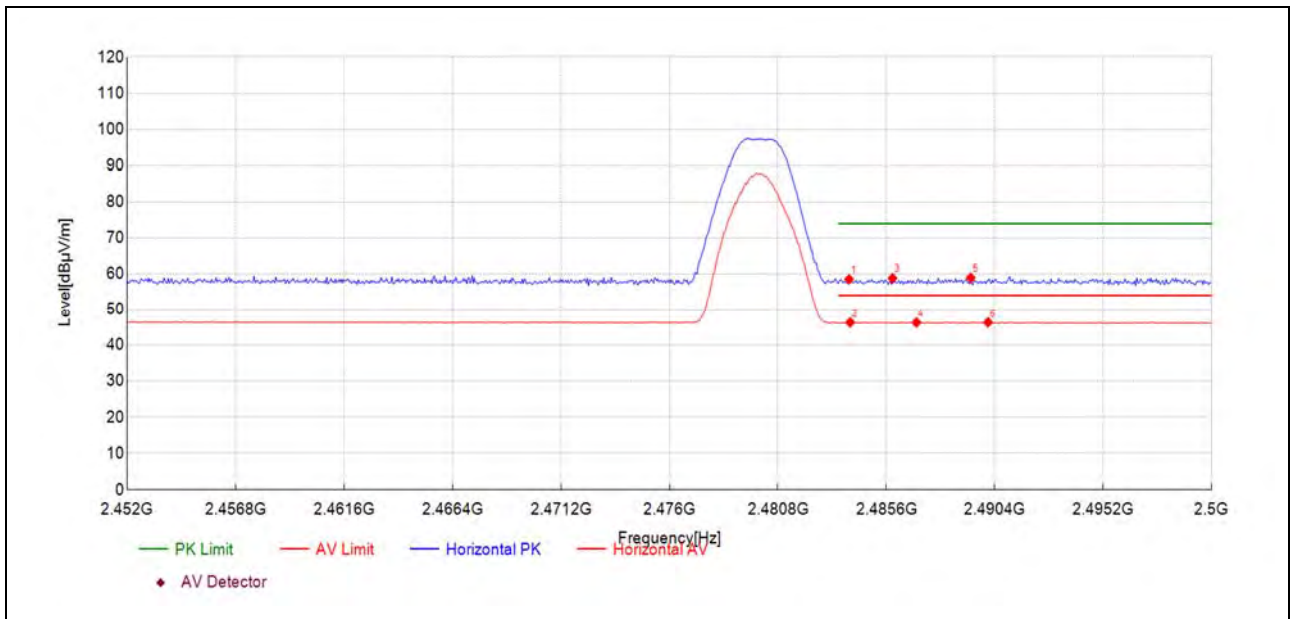
Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2373.15	8.4	45.88	37.480	54.00	8.12	150	302	AV	PASS
2375.47	21.2	58.68	37.480	74.00	15.32	150	178	PK	PASS
2382.92	8.4	45.84	37.480	54.00	8.16	150	147	AV	PASS
2383.65	21.0	58.50	37.490	74.00	15.50	150	245	PK	PASS
2387.44	20.9	58.42	37.490	74.00	15.58	150	182	PK	PASS
2388.05	8.4	45.90	37.490	54.00	8.10	150	156	AV	PASS



Plot for Channel 39



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.95	20.3	58.53	38.270	74.00	15.47	150	150	PK	PASS
2484.00	8.1	46.33	38.270	54.00	7.67	150	172	AV	PASS
2485.87	20.6	58.82	38.270	74.00	15.18	150	123	PK	PASS
2486.93	8.1	46.32	38.270	54.00	7.68	150	190	AV	PASS
2489.33	20.7	58.96	38.260	74.00	15.04	150	252	PK	PASS
2490.10	8.1	46.35	38.270	54.00	7.65	150	351	AV	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 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:

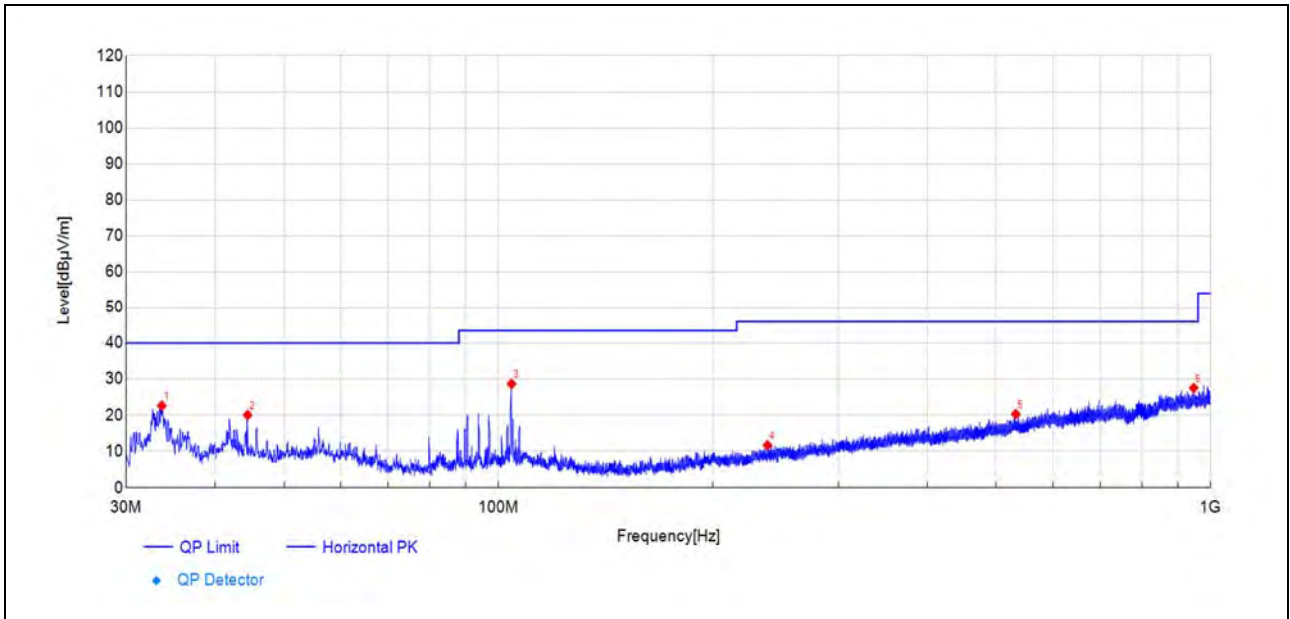
Frequency [MHz]	Reading [dB μ V]	Level [dB μ V/m]	Factor [dB/m]	Detector	Antenna Polarity
2401.97	59.3	96.81	37.530	PK	Horizontal

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



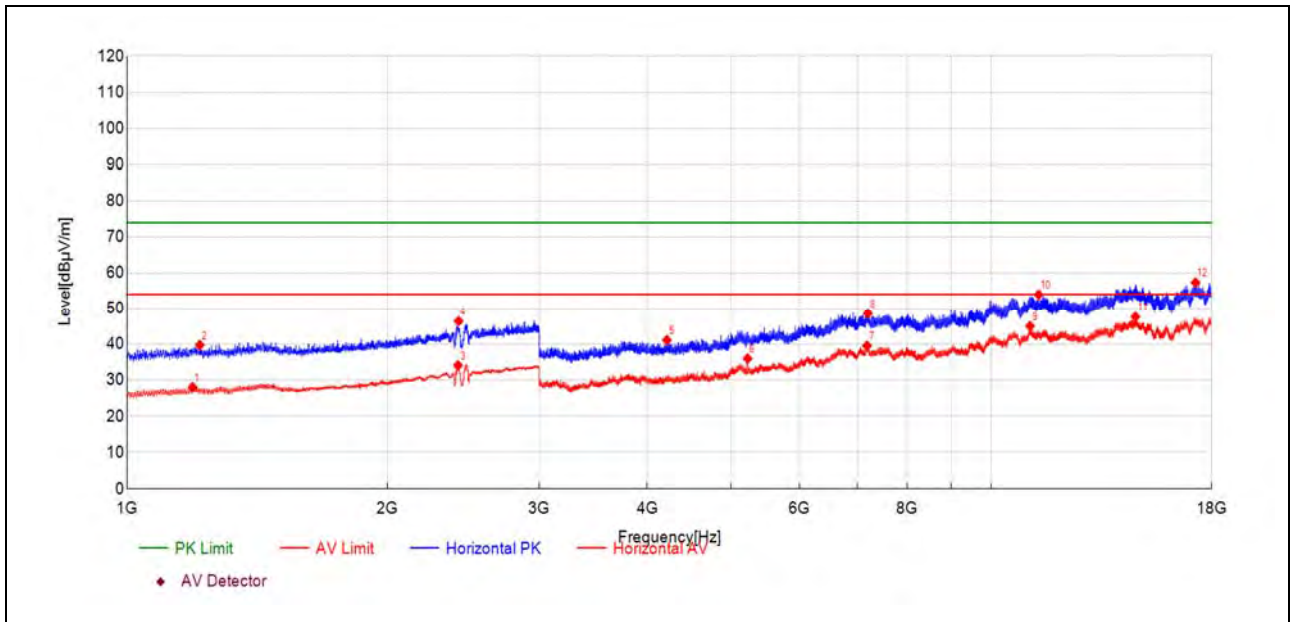
1Mbps

Plot for Channel 0



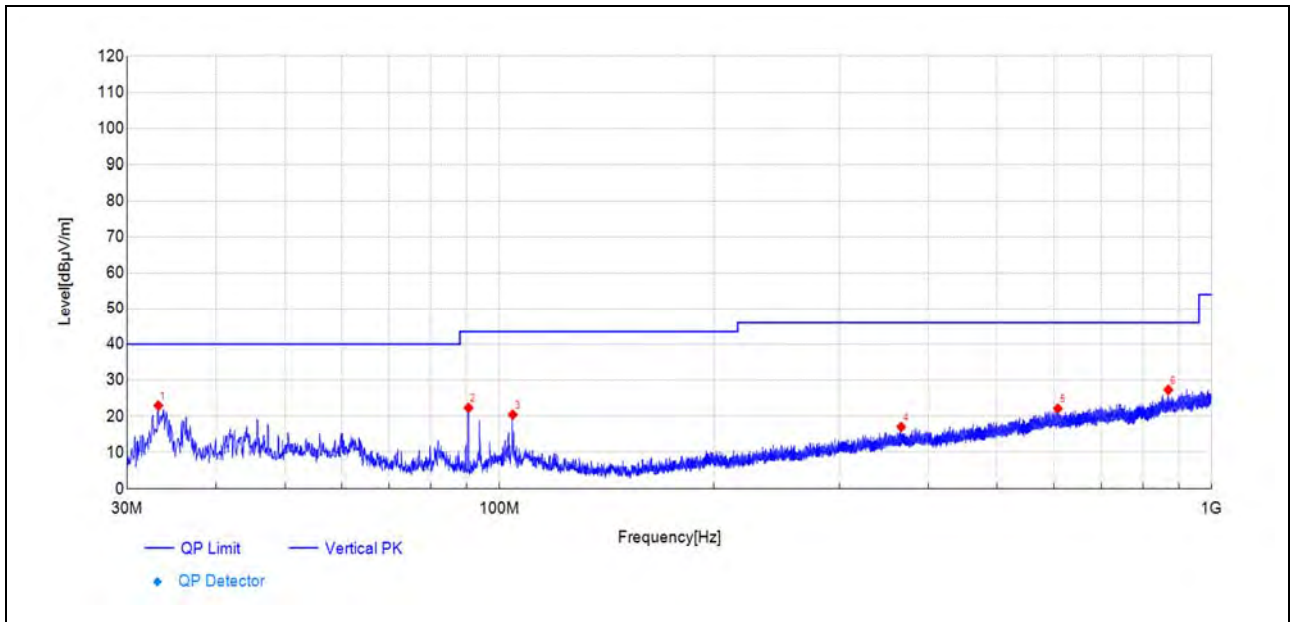
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
33.69	52.6	22.60	-30.040	40.00	17.40	150	284	PK	PASS
44.45	48.0	20.03	-27.940	40.00	19.97	150	253	PK	PASS
104.35	58.2	28.66	-29.490	43.50	14.84	150	320	PK	PASS
238.71	39.5	11.63	-27.880	46.00	34.37	150	61	PK	PASS
532.39	39.3	20.29	-18.980	46.00	25.71	150	45	PK	PASS
946.60	38.6	27.55	-11.060	46.00	18.45	150	66	PK	PASS



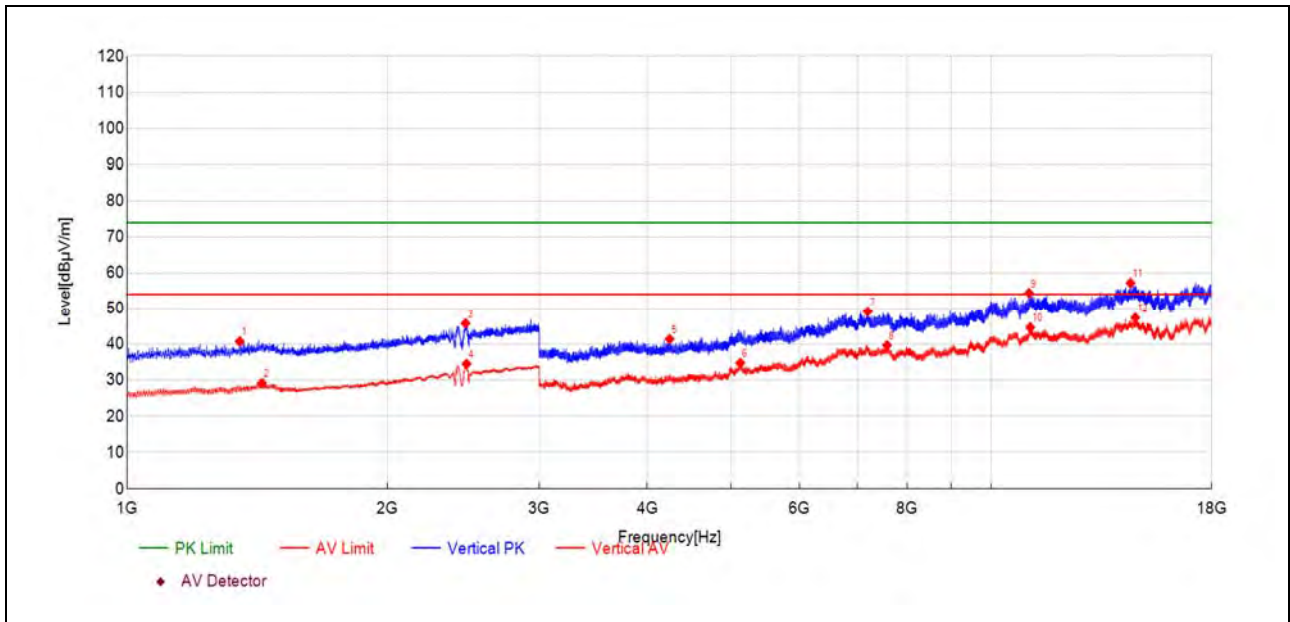
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1190.71	29.3	28.04	-1.250	54.00	25.96	150	302	AV	PASS
1213.83	41.0	39.78	-1.190	74.00	34.22	150	238	PK	PASS
2415.87	28.7	34.13	5.450	54.00	19.87	150	8	AV	PASS
2419.43	40.9	46.43	5.510	74.00	27.57	150	142	PK	PASS
4215.04	48.6	41.14	-7.430	74.00	32.86	150	95	PK	PASS
5226.07	39.3	36.03	-3.230	54.00	17.97	150	226	AV	PASS
7184.64	34.6	39.58	4.960	54.00	14.42	150	22	AV	PASS
7200.14	43.5	48.60	5.120	74.00	25.40	150	360	PK	PASS
11093.27	31.1	45.06	14.000	54.00	8.94	150	142	AV	PASS
11350.78	40.4	53.97	13.530	74.00	20.03	150	287	PK	PASS
14685.89	27.1	47.66	20.560	54.00	6.34	150	154	AV	PASS
17239.97	37.8	57.35	19.510	74.00	16.65	150	312	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
33.20	53.3	22.94	-30.340	40.00	17.06	150	227	PK	PASS
90.48	53.8	22.31	-31.470	43.50	21.19	150	227	PK	PASS
104.40	49.9	20.43	-29.470	43.50	23.07	150	217	PK	PASS
366.56	40.3	17.04	-23.210	46.00	28.96	150	176	PK	PASS
608.00	39.3	22.11	-17.230	46.00	23.89	150	71	PK	PASS
869.14	39.7	27.32	-12.420	46.00	18.68	150	253	PK	PASS

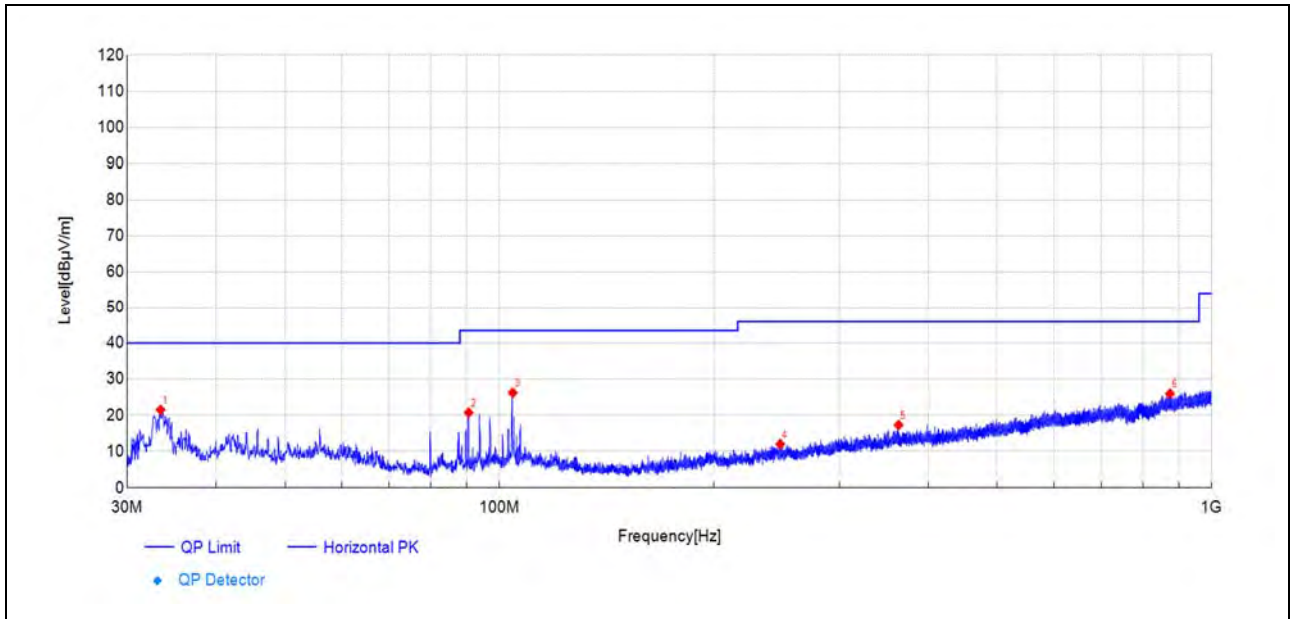


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1350.30	41.6	40.79	-0.800	74.00	33.21	150	90	PK	PASS
1432.10	29.1	29.18	0.060	54.00	24.82	150	213	AV	PASS
2464.77	39.9	45.83	5.930	74.00	28.17	150	138	PK	PASS
2471.44	28.6	34.55	5.910	54.00	19.45	150	319	AV	PASS
4245.54	48.6	41.42	-7.220	74.00	32.58	150	276	PK	PASS
5124.57	37.7	34.79	-2.950	54.00	19.21	150	251	AV	PASS
7196.64	44.1	49.19	5.080	74.00	24.81	150	154	PK	PASS
7576.65	35.0	39.71	4.720	54.00	14.29	150	131	AV	PASS
11063.77	40.8	54.41	13.610	74.00	19.59	150	69	PK	PASS
11099.27	30.6	44.70	14.070	54.00	9.30	150	349	AV	PASS
14498.88	37.4	57.21	19.790	74.00	16.79	150	358	PK	PASS
14683.39	26.9	47.43	20.560	54.00	6.57	150	58	AV	PASS

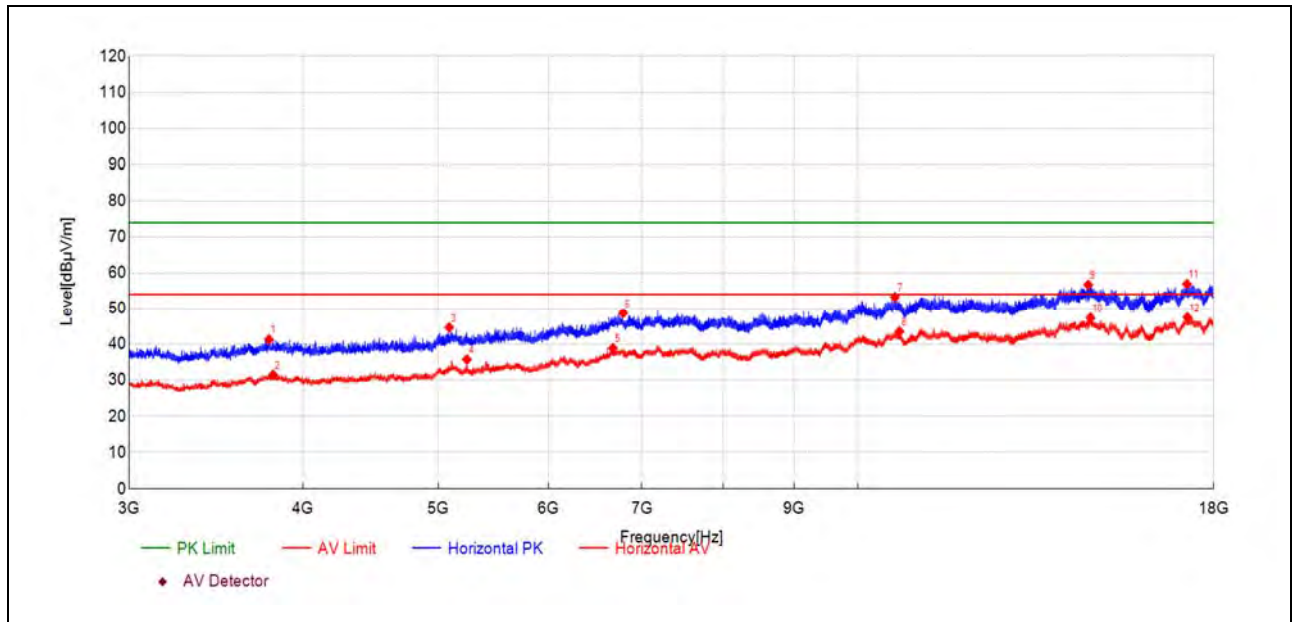


Plot for Channel 19



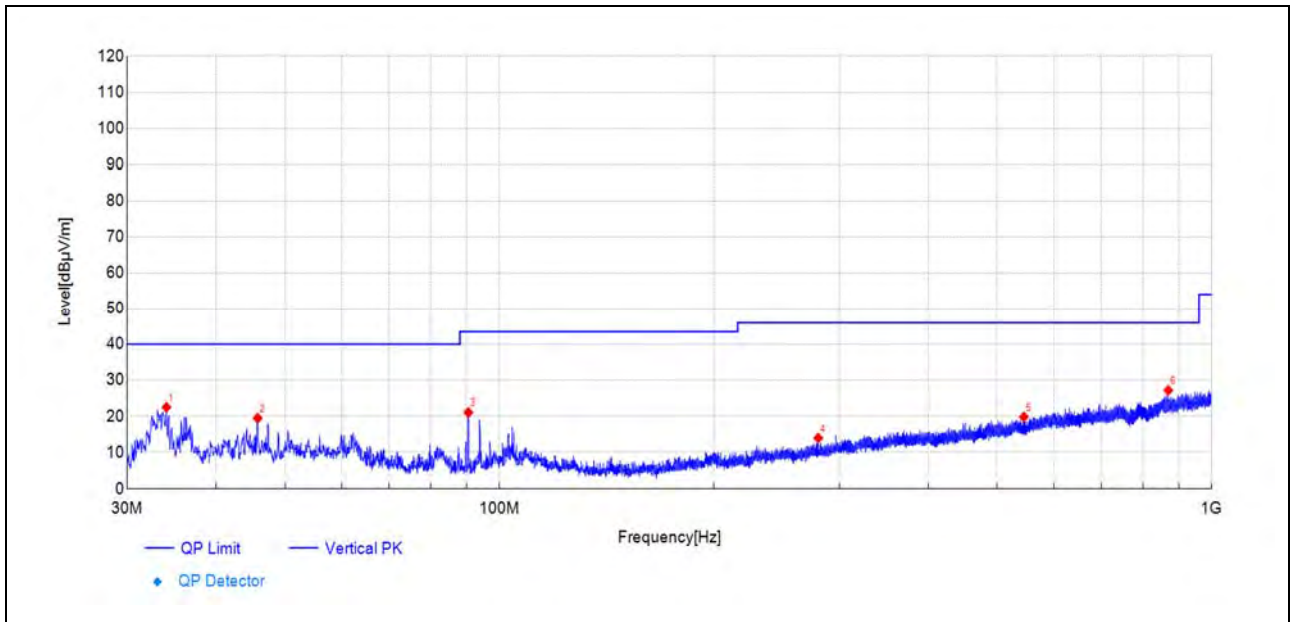
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
33.44	51.7	21.48	-30.180	40.00	18.52	150	71	PK	PASS
90.53	52.2	20.71	-31.450	43.50	22.79	150	334	PK	PASS
104.40	55.7	26.23	-29.470	43.50	17.27	150	82	PK	PASS
247.87	39.5	11.99	-27.470	46.00	34.01	150	359	PK	PASS
363.36	40.7	17.28	-23.410	46.00	28.72	150	155	PK	PASS
873.89	38.5	25.99	-12.460	46.00	20.01	150	140	PK	PASS



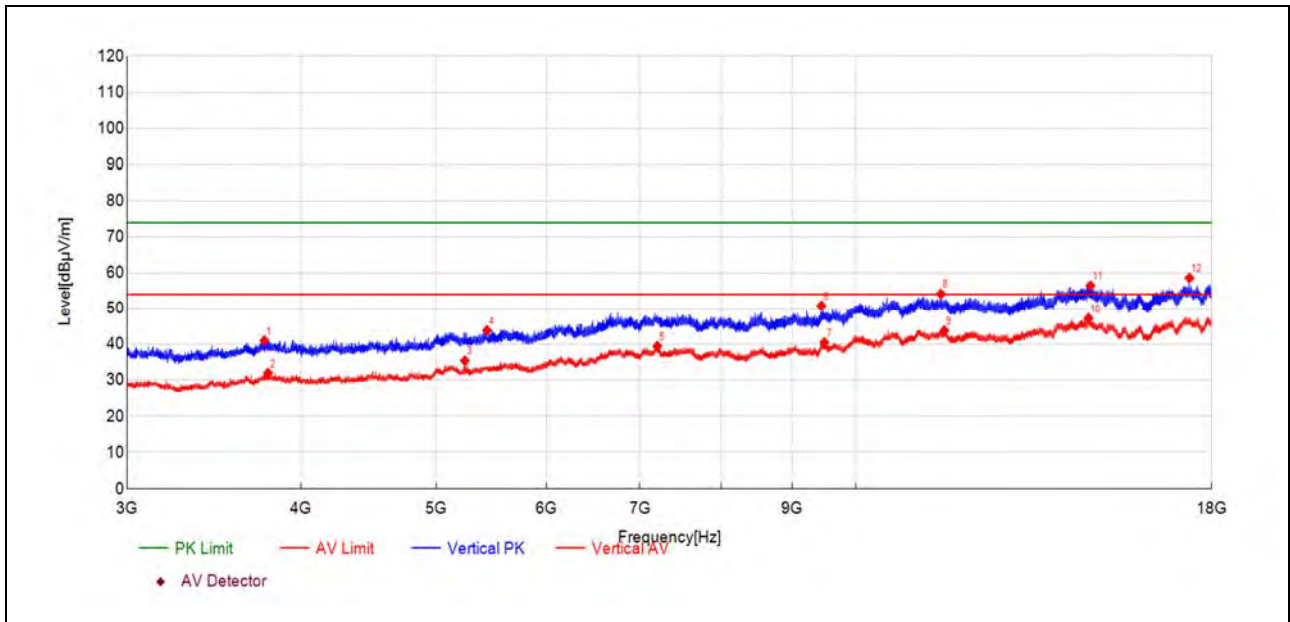
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
3780.53	49.6	41.31	-8.280	74.00	32.69	150	358	PK	PASS
3806.03	39.7	31.49	-8.170	54.00	22.51	150	262	AV	PASS
5091.07	48.0	44.67	-3.370	74.00	29.33	150	360	PK	PASS
5242.07	38.7	35.75	-2.980	54.00	18.25	150	358	AV	PASS
6672.62	35.1	38.89	3.840	54.00	15.11	150	286	AV	PASS
6785.13	44.9	48.71	3.850	74.00	25.29	150	177	PK	PASS
10631.75	41.1	53.29	12.210	74.00	20.71	150	239	PK	PASS
10710.26	31.2	43.55	12.360	54.00	10.45	150	128	AV	PASS
14630.89	36.3	56.71	20.420	74.00	17.29	150	312	PK	PASS
14684.39	26.8	47.38	20.560	54.00	6.62	150	164	AV	PASS
17222.47	37.2	56.94	19.700	74.00	17.06	150	151	PK	PASS
17231.97	27.9	47.54	19.600	54.00	6.46	150	67	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
34.07	52.4	22.51	-29.850	40.00	17.49	150	351	PK	PASS
45.76	47.9	19.51	-28.380	40.00	20.49	150	330	PK	PASS
90.43	52.5	21.06	-31.480	43.50	22.44	150	220	PK	PASS
280.27	40.3	13.94	-26.350	46.00	32.06	150	215	PK	PASS
544.85	39.3	19.81	-19.520	46.00	26.19	150	278	PK	PASS
869.09	39.6	27.20	-12.430	46.00	18.80	150	137	PK	PASS

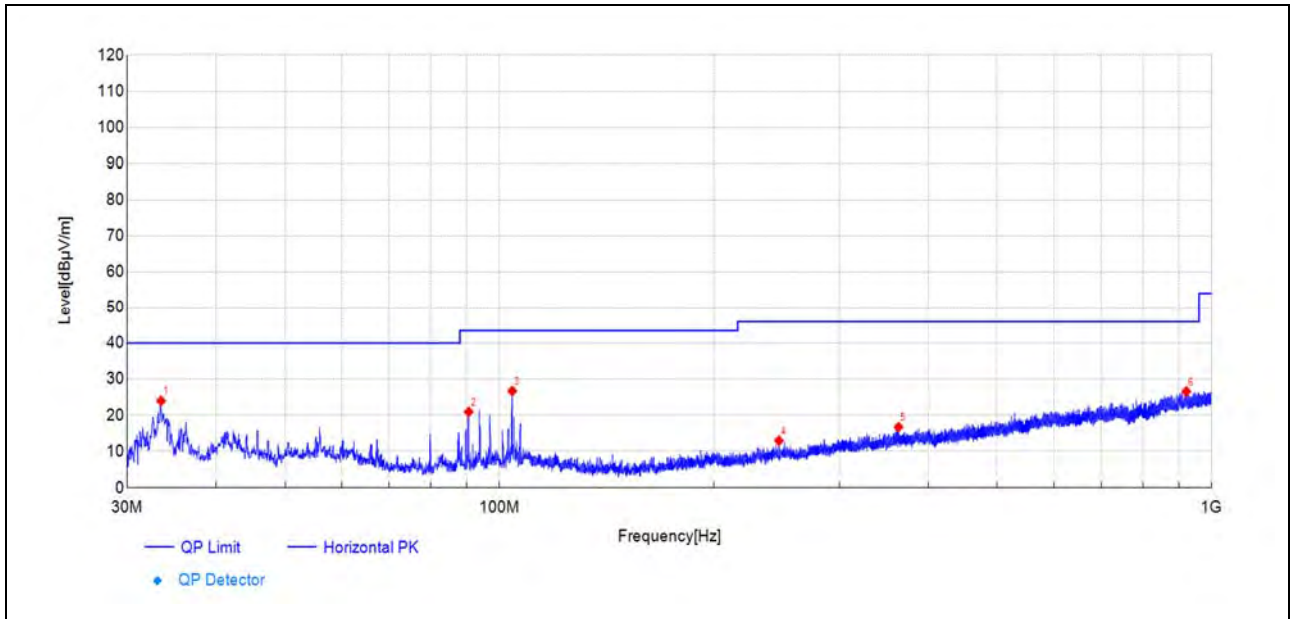


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
3764.53	49.4	41.01	-8.400	74.00	32.99	150	106	PK	PASS
3787.53	40.2	32.00	-8.230	54.00	22.00	150	118	AV	PASS
5241.57	38.4	35.45	-2.980	54.00	18.55	150	351	AV	PASS
5437.08	45.9	43.85	-2.010	74.00	30.15	150	240	PK	PASS
7203.64	34.4	39.46	5.070	54.00	14.54	150	326	AV	PASS
9446.21	42.5	50.88	8.360	74.00	23.12	150	190	PK	PASS
9494.22	32.1	40.51	8.450	54.00	13.49	150	131	AV	PASS
11507.28	39.9	54.20	14.290	74.00	19.80	150	228	PK	PASS
11572.29	29.4	43.82	14.440	54.00	10.18	150	351	AV	PASS
14685.39	26.7	47.27	20.570	54.00	6.73	150	46	AV	PASS
14732.39	36.2	56.50	20.310	74.00	17.50	150	22	PK	PASS
17350.48	39.1	58.65	19.530	74.00	15.35	150	264	PK	PASS

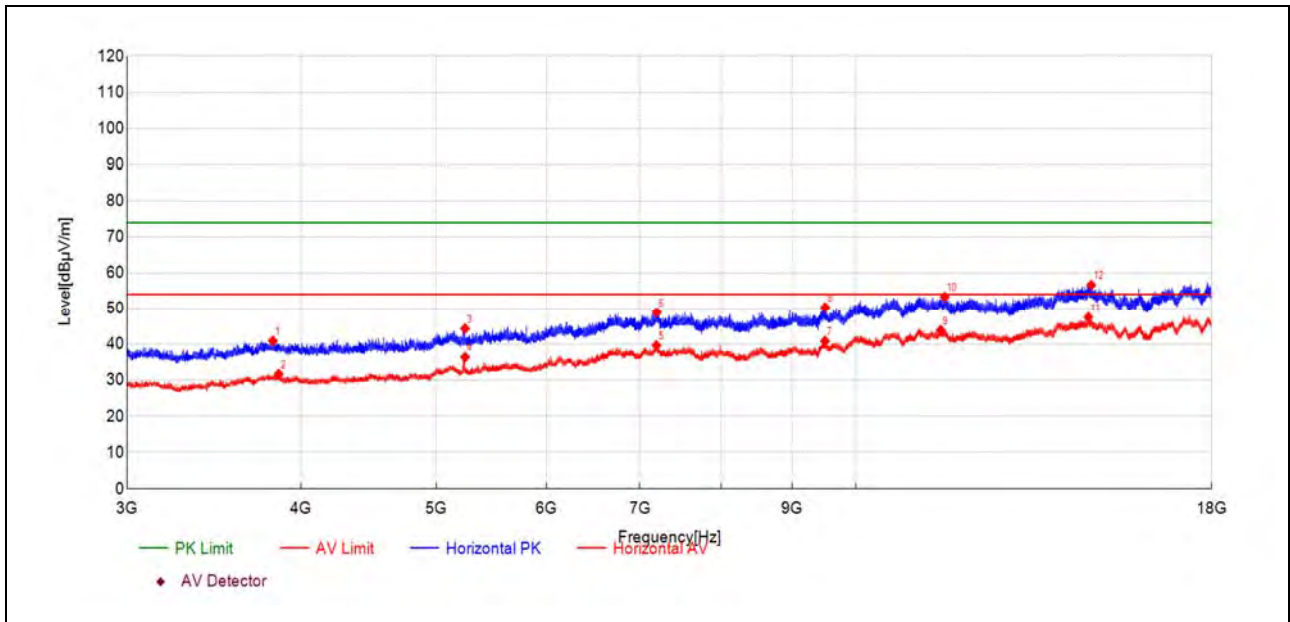


Plot for Channel 39



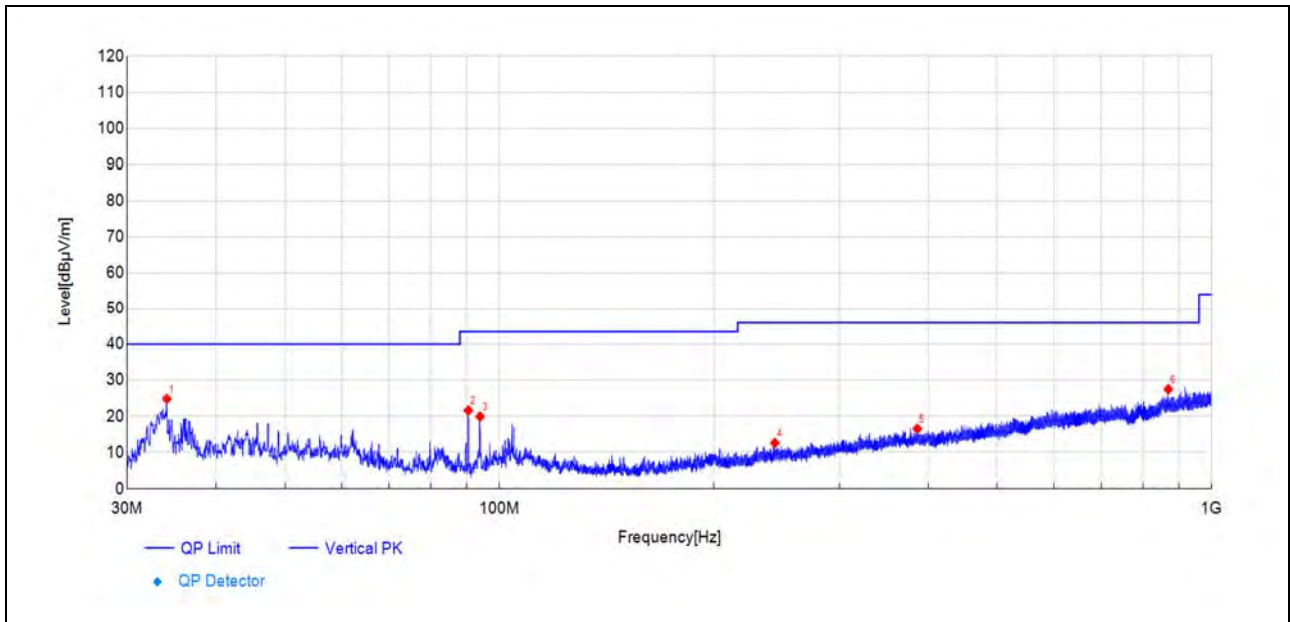
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
33.49	54.1	23.99	-30.150	40.00	16.01	150	267	PK	PASS
90.53	52.4	20.92	-31.450	43.50	22.58	150	148	PK	PASS
104.26	56.3	26.72	-29.540	43.50	16.78	150	122	PK	PASS
246.85	40.4	12.91	-27.460	46.00	33.09	150	351	PK	PASS
363.36	40.1	16.72	-23.410	46.00	29.28	150	351	PK	PASS
921.04	38.2	26.60	-11.580	46.00	19.40	150	225	PK	PASS



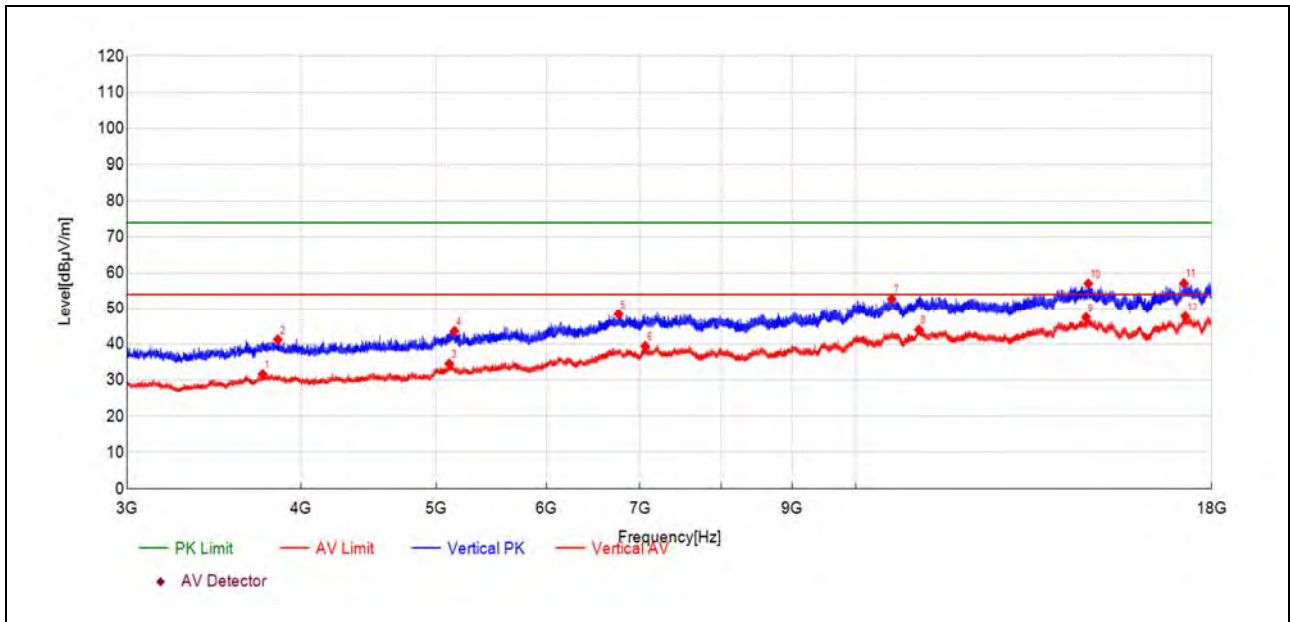
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
3817.03	49.2	40.94	-8.210	74.00	33.06	150	289	PK	PASS
3854.03	40.1	31.72	-8.360	54.00	22.28	150	95	AV	PASS
5243.57	47.4	44.40	-2.950	74.00	29.60	150	59	PK	PASS
5244.07	39.4	36.42	-2.940	54.00	17.58	150	70	AV	PASS
7192.14	34.7	39.70	5.040	54.00	14.30	150	338	AV	PASS
7197.14	43.9	48.95	5.090	74.00	25.05	150	289	PK	PASS
9501.72	32.5	40.89	8.440	54.00	13.11	150	289	AV	PASS
9506.72	42.0	50.37	8.390	74.00	23.63	150	131	PK	PASS
11505.28	29.6	43.92	14.280	54.00	10.08	150	155	AV	PASS
11580.79	38.9	53.35	14.460	74.00	20.65	150	143	PK	PASS
14683.39	27.0	47.56	20.560	54.00	6.44	150	34	AV	PASS
14752.39	36.5	56.65	20.140	74.00	17.35	150	155	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
34.12	54.7	24.81	-29.860	40.00	15.19	150	46	PK	PASS
90.43	53.1	21.60	-31.480	43.50	21.90	150	204	PK	PASS
93.93	50.5	19.90	-30.570	43.50	23.60	150	9	PK	PASS
243.60	40.2	12.60	-27.550	46.00	33.40	150	41	PK	PASS
386.15	39.1	16.50	-22.600	46.00	29.50	150	298	PK	PASS
869.14	39.9	27.50	-12.420	46.00	18.50	150	219	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
3753.03	40.2	31.66	-8.490	54.00	22.34	150	227	AV	PASS
3848.53	49.6	41.26	-8.350	74.00	32.74	150	22	PK	PASS
5108.57	37.8	34.57	-3.210	54.00	19.43	150	289	AV	PASS
5152.57	46.2	43.60	-2.600	74.00	30.40	150	240	PK	PASS
6757.63	44.3	48.39	4.060	74.00	25.61	150	9	PK	PASS
7061.64	35.1	39.45	4.310	54.00	14.55	150	59	AV	PASS
10610.25	40.7	52.81	12.130	74.00	21.19	150	338	PK	PASS
11096.27	30.0	44.02	14.030	54.00	9.98	150	179	AV	PASS
14624.39	27.2	47.55	20.400	54.00	6.45	150	277	AV	PASS
14680.89	36.5	57.04	20.550	74.00	16.96	150	350	PK	PASS
17193.47	37.2	57.13	19.890	74.00	16.87	150	179	PK	PASS
17229.47	28.1	47.77	19.630	54.00	6.23	150	143	AV	PASS

END OF REPORT