



REPORT No.: SZ25040172W01

TEST REPORT

APPLICANT : Shenzhen Hohem Technology Co., Ltd.

PRODUCT NAME : Touchscreen remote controller

MODEL NAME : HRT-05

BRAND NAME : hohem

FCC ID : 2AIB7HRT-05

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-04-18

TEST DATE : 2025-04-29 to 2025-05-24

ISSUE DATE : 2025-07-11



Edited by:

Peng Mi

Peng-Mi (Rapporteur)

Approved by:

Shen Junsheng

Shen Junsheng (Supervisor)

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

MORLAB

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

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





DIRECTORY

1. Summary of Test Result	4
1.1. Testing Applied Standards	4
1.2. Test Equipment List	5
1.3. Measurement Uncertainty	7
1.4. Testing Laboratory	7
2. General Description	8
2.1. Information of Applicant and Manufacturer	8
2.2. Information of EUT	8
2.3. Channel List of EUT	9
2.4. Test Configuration of EUT	10
2.5. Test Conditions	10
2.6. Test Setup Layout Diagram	10
3. Test Results	13
3.1. Antenna Requirement	13
3.2. Duty Cycle of Test Signal	14
3.3. Maximum Peak Conducted Output Power	15
3.4. Maximum Average Conducted Output Power	16
3.5. 6 dB Bandwidth	17
3.6. Conducted Spurious Emissions and Band Edge	18
3.7. Power Spectral Density	19
3.8. Conducted Emission	20
3.9. Restricted Frequency Bands	21
3.10. Radiated Emission	22
Annex A Test Data and Result	24



REPORT No.: SZ25040172W01

Change History		
Version	Date	Reason for change
1.0	2025-07-02	First edition
2.0	2025-07-11	Modified the Antenna Requirement and replaced the report version 1.0

1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	N/A	Duty Cycle of Test Signal	May 01, 2025	Li Zikai	PASS	/
3	15.247(b)	Maximum Peak Conducted Output Power	May 01, 2025	Li Zikai	PASS	/
4	15.247(b)	Maximum Average Conducted Output Power	May 01, 2025	Li Zikai	PASS	/
5	15.247(a)	Bandwidth	May 01, 2025	Li Zikai	PASS	/
6	15.247(d)	Conducted Spurious Emission and Band Edge	May 01, 2025	Li Zikai	PASS	/
7	15.247(e)	Power Spectral Density	May 01, 2025	Li Zikai	PASS	/
8	15.207	Conducted Emission	Apr. 30, 2025	Fan Shengquan	PASS	/
9	15.247(d)	Restricted Frequency Bands	Apr. 30, 2025 to May 24, 2025	Gao Jianrou	PASS	/
10	15.209, 15.247(d)	Radiated Emission	Apr. 30, 2025 to May 24, 2025	Gao Jianrou	PASS	/

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

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

1.1. Testing Applied Standards

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

- 47 CFR Part 15 Subpart C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2025.01.15	2026.01.14
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	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	2025.04.19	2028.04.18
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29



1.3. Measurement Uncertainty

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

1.4. Testing Laboratory

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



2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	Shenzhen Hohem Technology Co., Ltd.
Applicant Address:	B106,Building 2, jiuxianglin industrial park,4227 Xili lake road, Xili street,Nanshan,Shenzhen city.
Manufacturer:	Shenzhen Hohem Technology Co., Ltd.
Manufacturer Address:	B106,Building 2, jiuxianglin industrial park,4227 Xili lake road, Xili street,Nanshan,Shenzhen city.

2.2. Information of EUT

Product Name:	Touchscreen remote controller	
Sample No.:	1#, 3#, 5#	
Hardware Version:	V1.4	
Software Version:	1.001.006	
Equipment Type:	Bluetooth LE	
Bluetooth Version:	5.2	
Modulation Type:	GFSK	
Data Rate:	1Mbps, 2Mbps	
Operating Frequency Range:	2402MHz-2480MHz	
Antenna Type:	Chip Antenna	
Antenna Gain:	1.5dBi	
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	401818
	Serial No.:	N/A
	Capacity:	140mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Zhuhai Kyan Electronic Technology Co.,Ltd

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



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

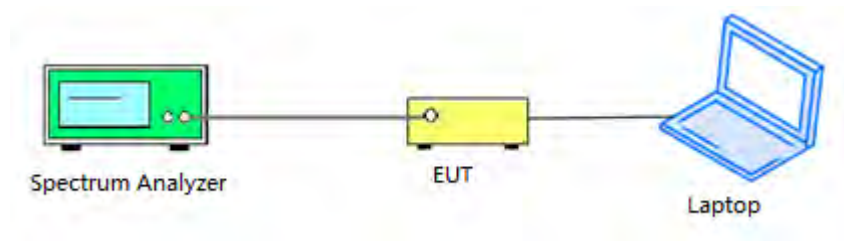
The EUT is controlled by dedicated software to transmit at the default maximum power level.

2.5. Test Conditions

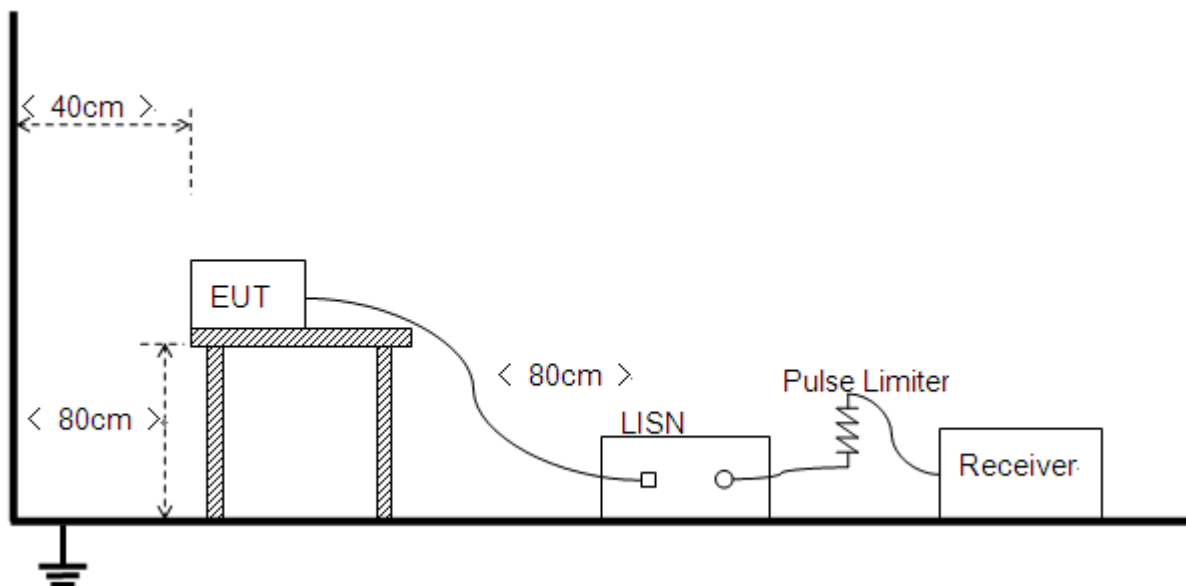
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

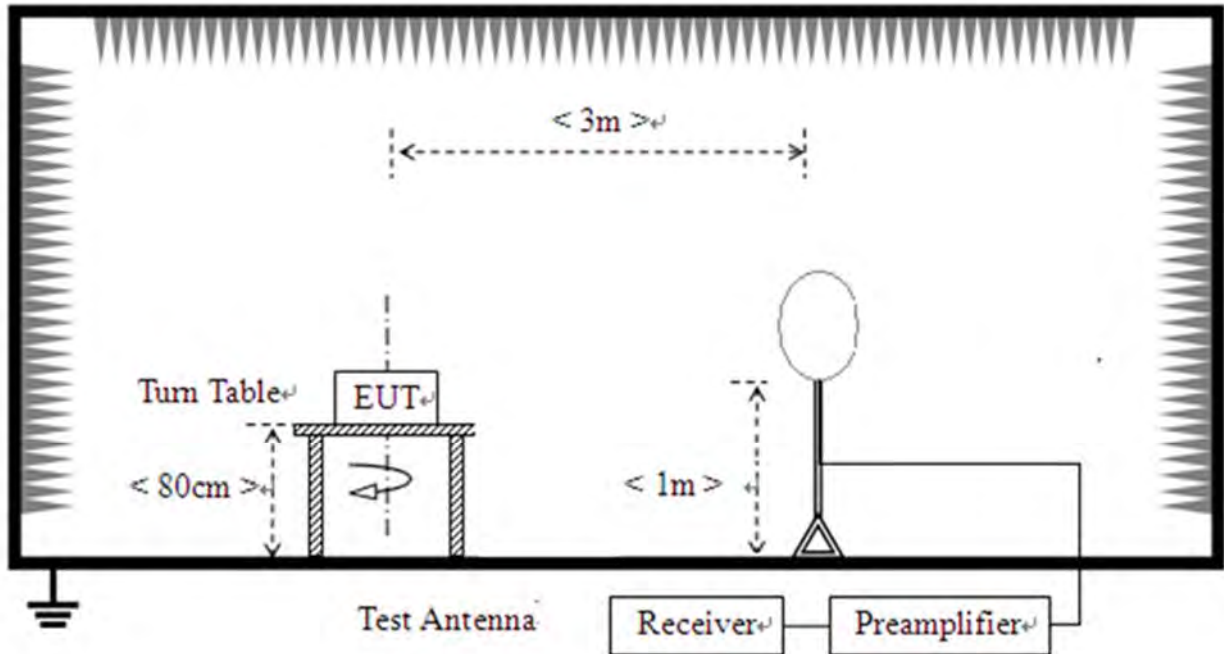


2.6.2. Conducted Emission Measurement

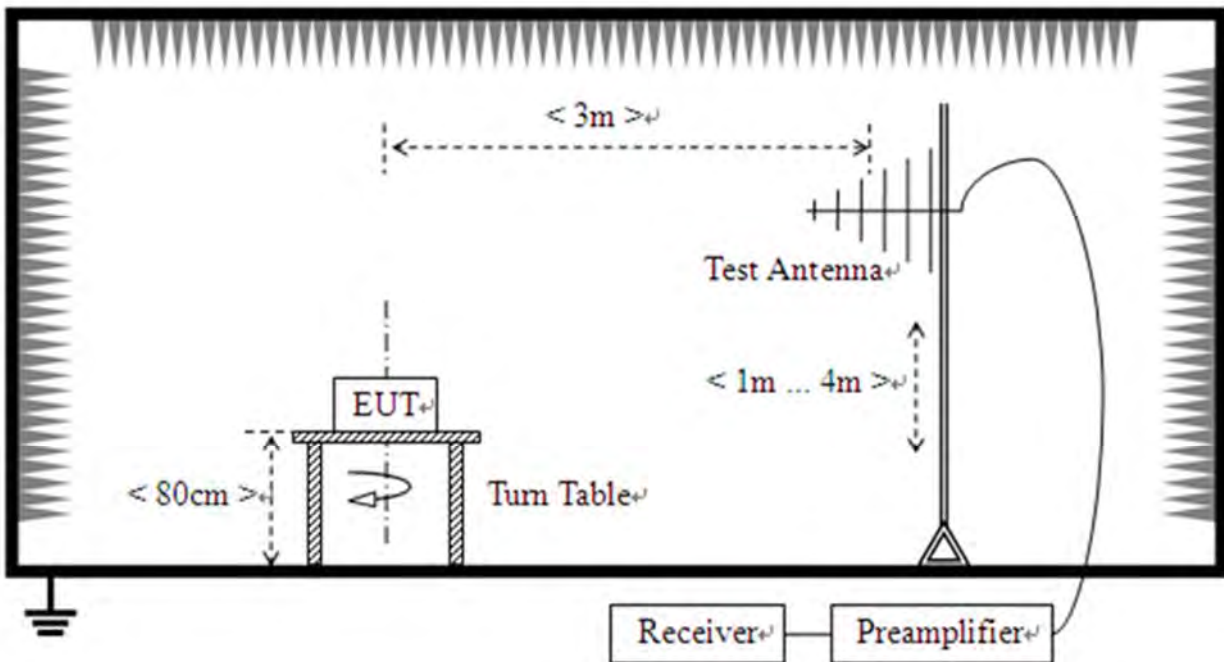


2.6.3.Radiation Measurement

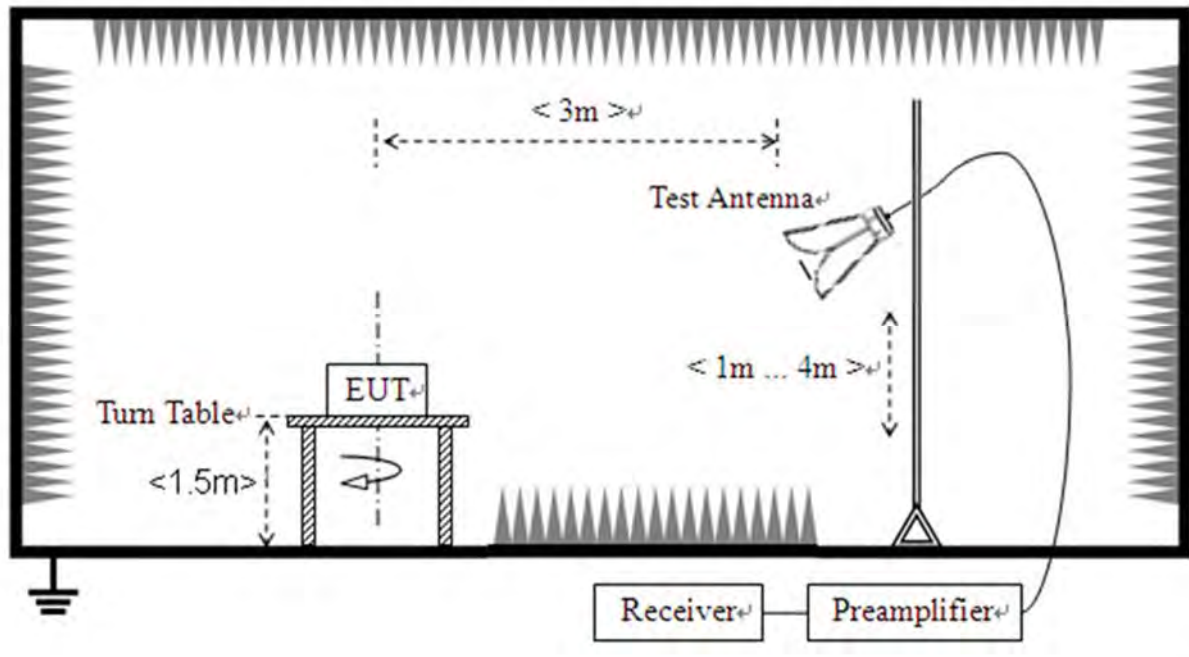
1) For radiated emissions from 9kHz to 30MHz



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 ☐ PIFA Antenna ☒ Chip Antenna	☐ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☐ Metal Shrapnel ☒ Layout

3.2. Duty Cycle of Test Signal

3.2.1. Requirement

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

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

3.2.2. Test Result

Refer to Annex A.1 in this report.



3.3. Maximum Peak 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

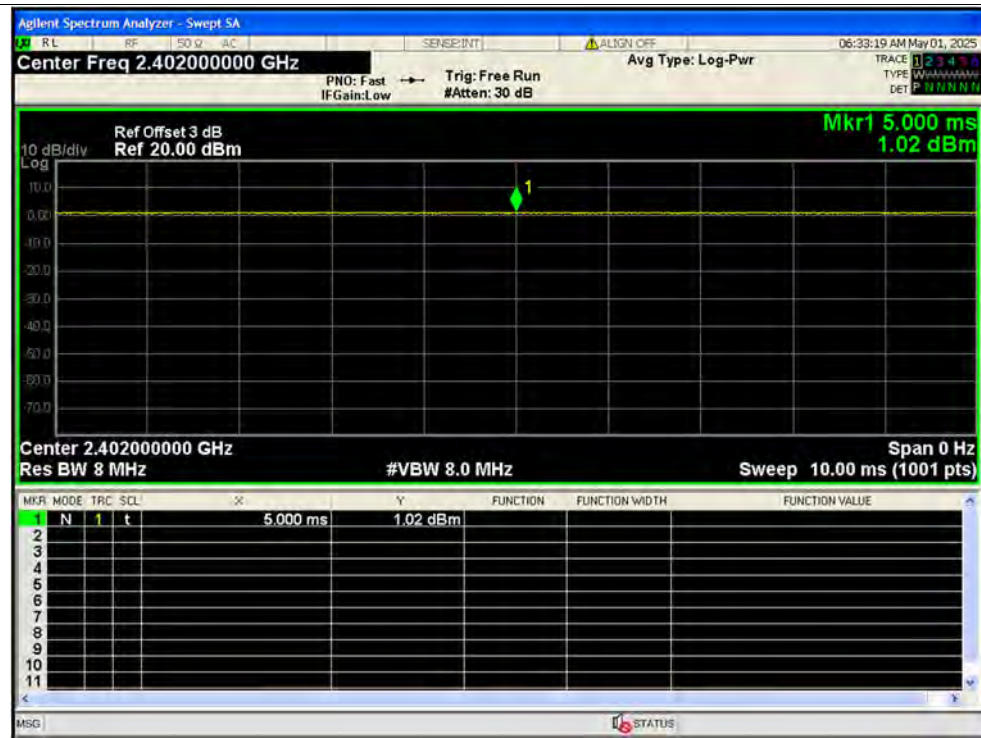
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0
NVNT	BLE 2M	2402	Ant1	100	0	0
NVNT	BLE 2M	2440	Ant1	100	0	0
NVNT	BLE 2M	2480	Ant1	100	0	0

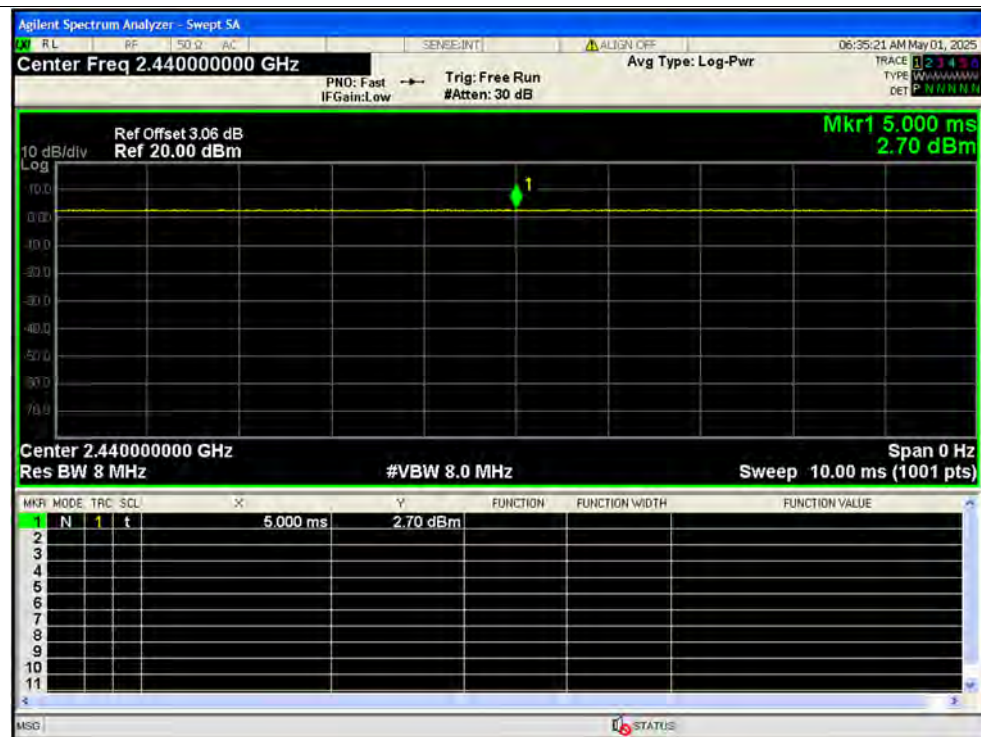


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1

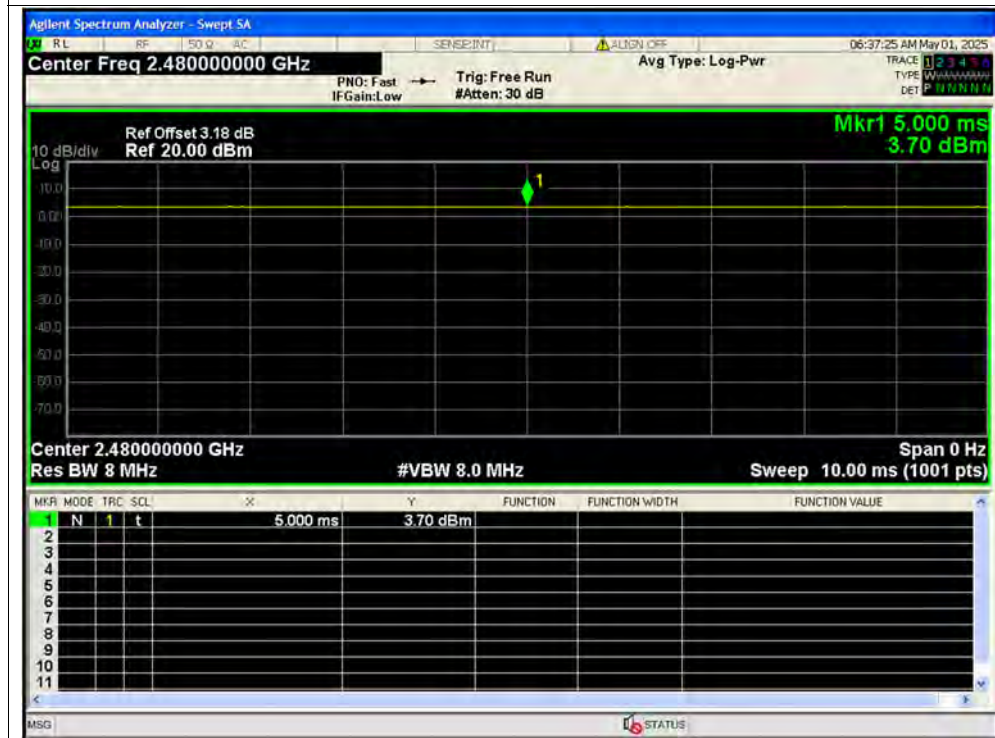


Duty Cycle NVNT BLE 1M 2440MHz Ant1





Duty Cycle NVNT BLE 1M 2480MHz Ant1

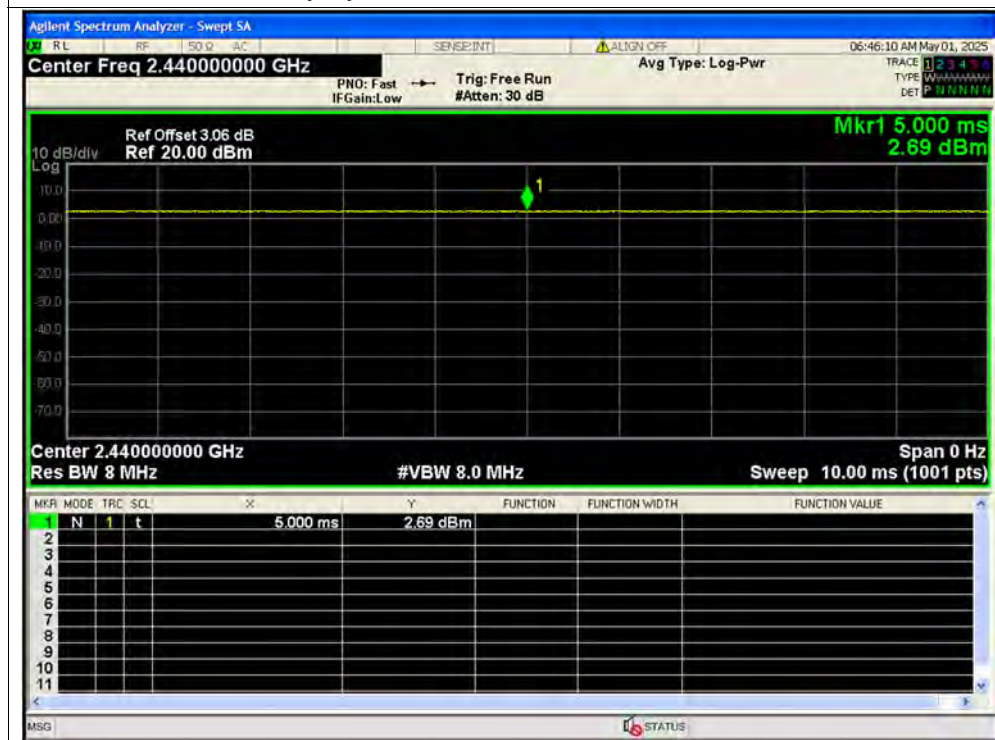


Duty Cycle NVNT BLE 2M 2402MHz Ant1

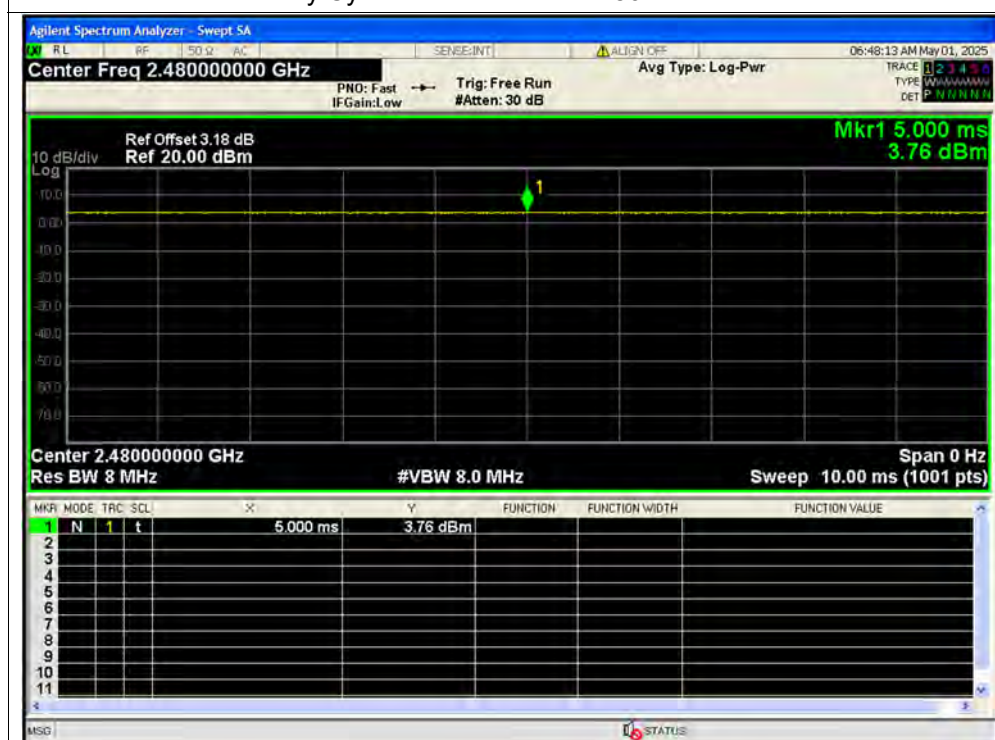




Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2480MHz Ant1

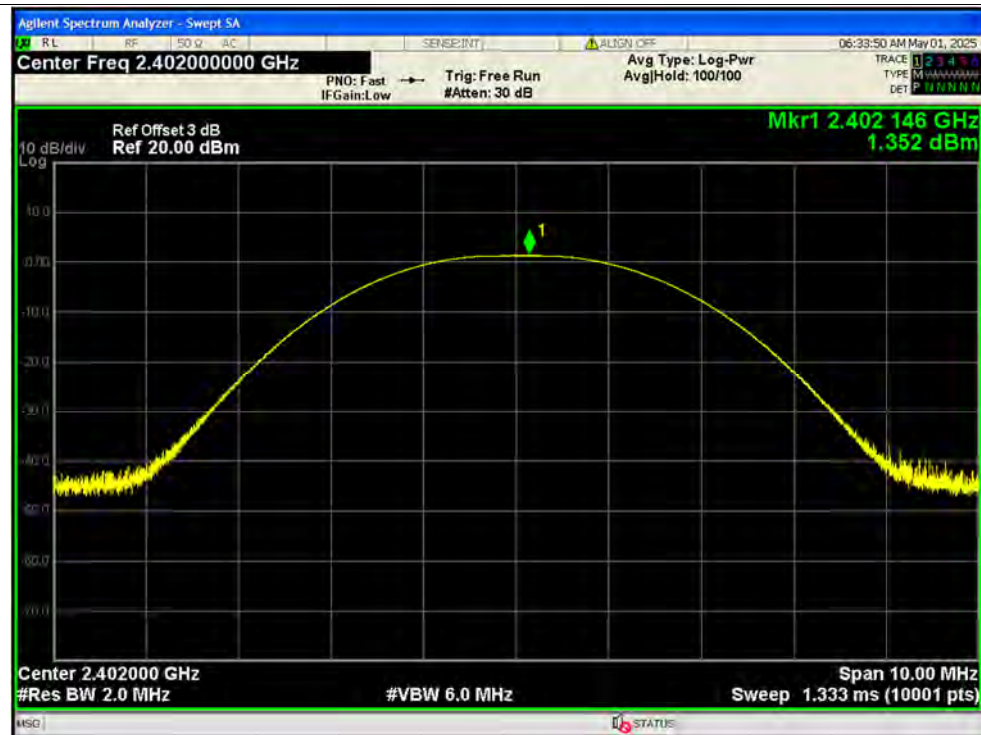


**A.2. Maximum Peak Conducted Output Power**

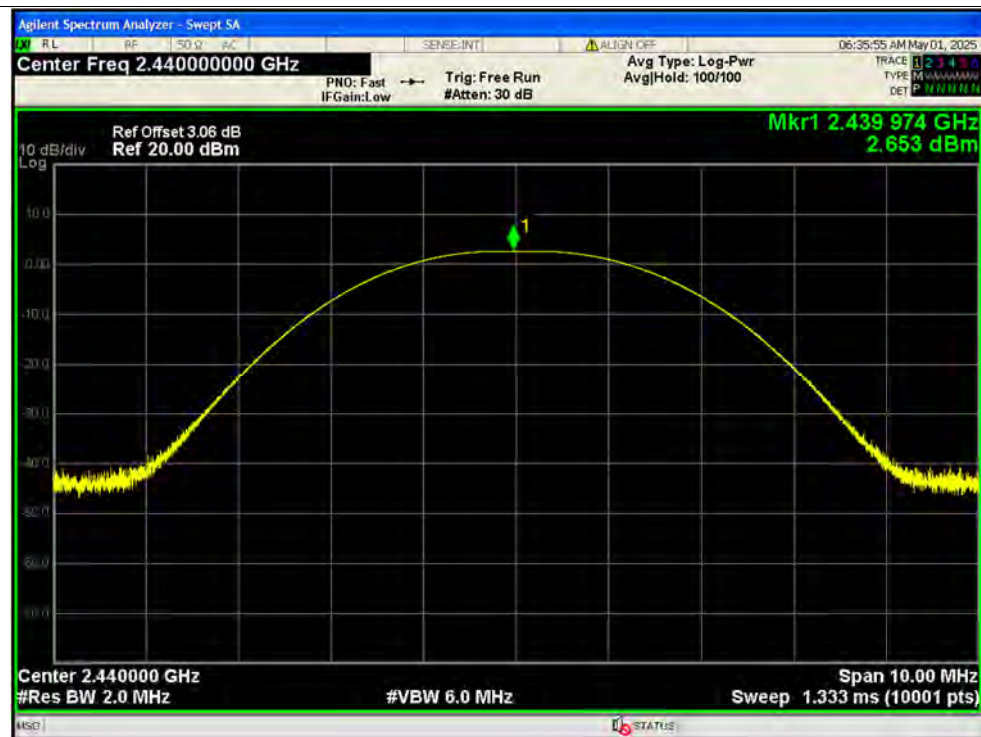
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.35	0	1.35	0.00136	30	Pass
NVNT	BLE 1M	2440	Ant1	2.65	0	2.65	0.00184	30	Pass
NVNT	BLE 1M	2480	Ant1	3.69	0	3.69	0.00234	30	Pass
NVNT	BLE 2M	2402	Ant1	1.3	0	1.3	0.00135	30	Pass
NVNT	BLE 2M	2440	Ant1	2.6	0	2.6	0.00182	30	Pass
NVNT	BLE 2M	2480	Ant1	3.7	0	3.7	0.00234	30	Pass

Test Graphs

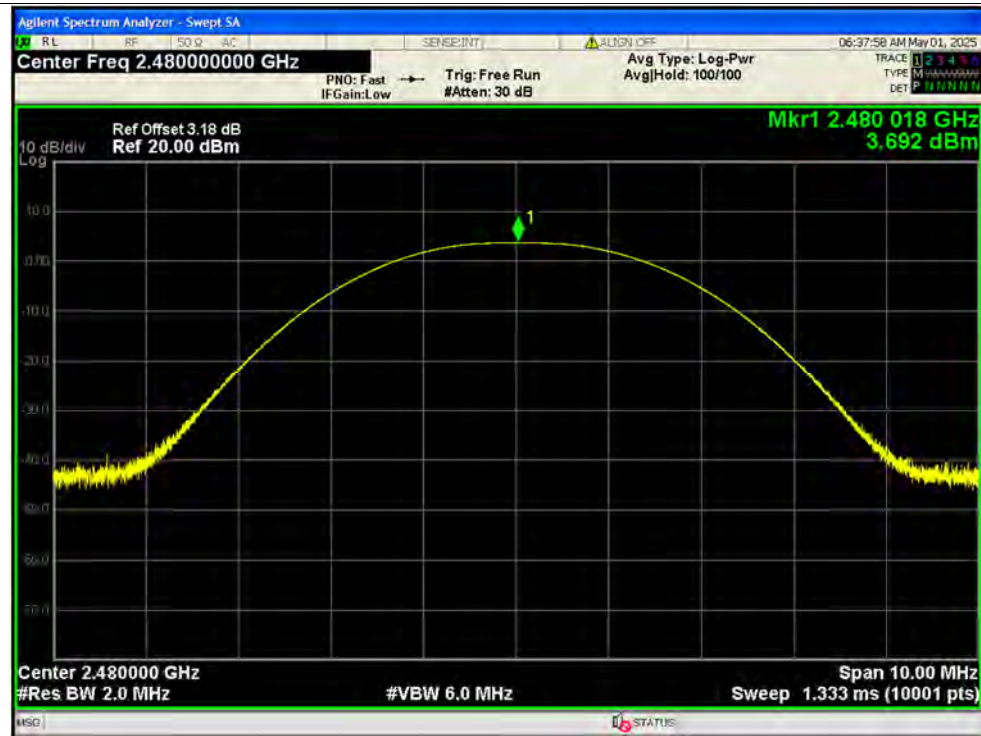
Peak Power NVNT BLE 1M 2402MHz Ant1



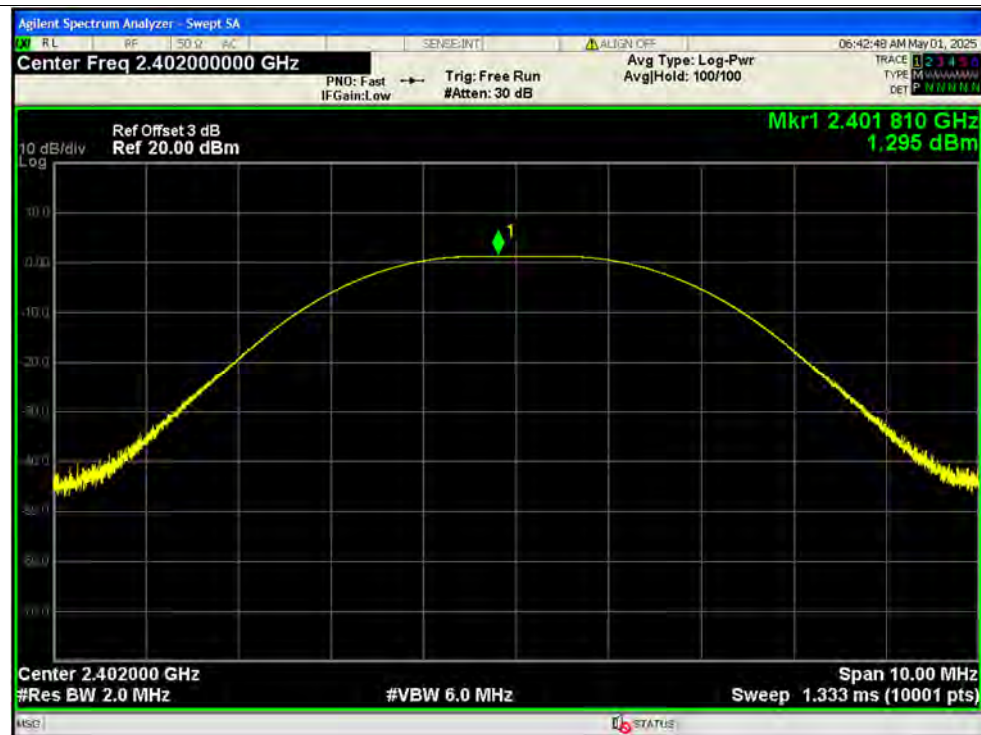
Peak Power NVNT BLE 1M 2440MHz Ant1



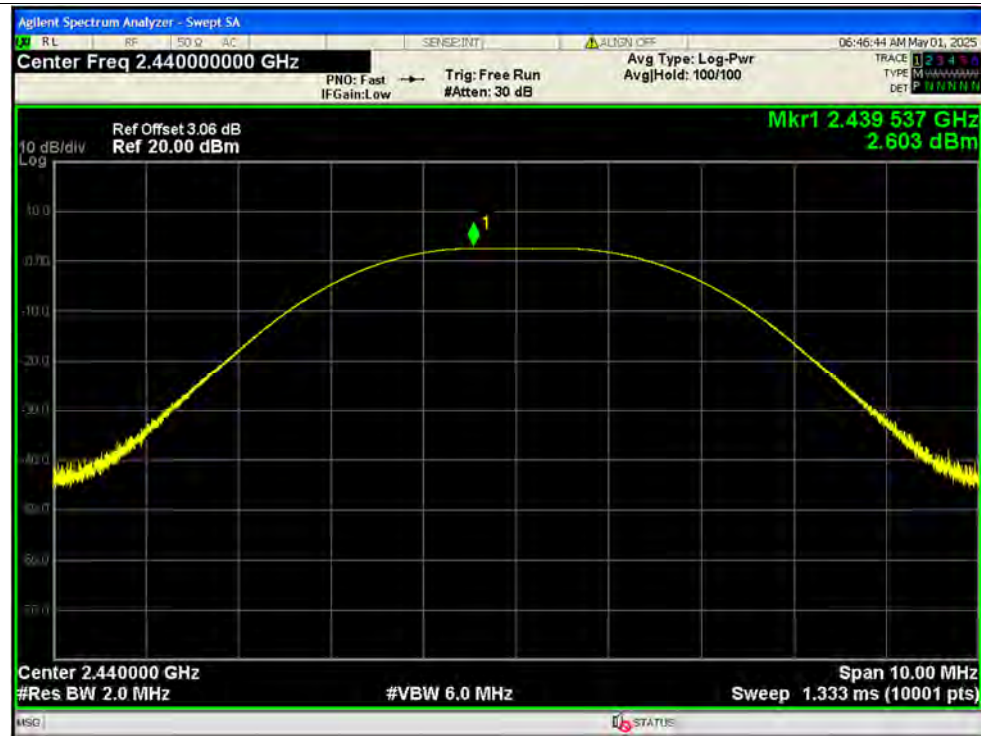
Peak Power NVNT BLE 1M 2480MHz Ant1



Peak Power NVNT BLE 2M 2402MHz Ant1



Peak Power NVNT BLE 2M 2440MHz Ant1



Peak Power NVNT BLE 2M 2480MHz Ant1



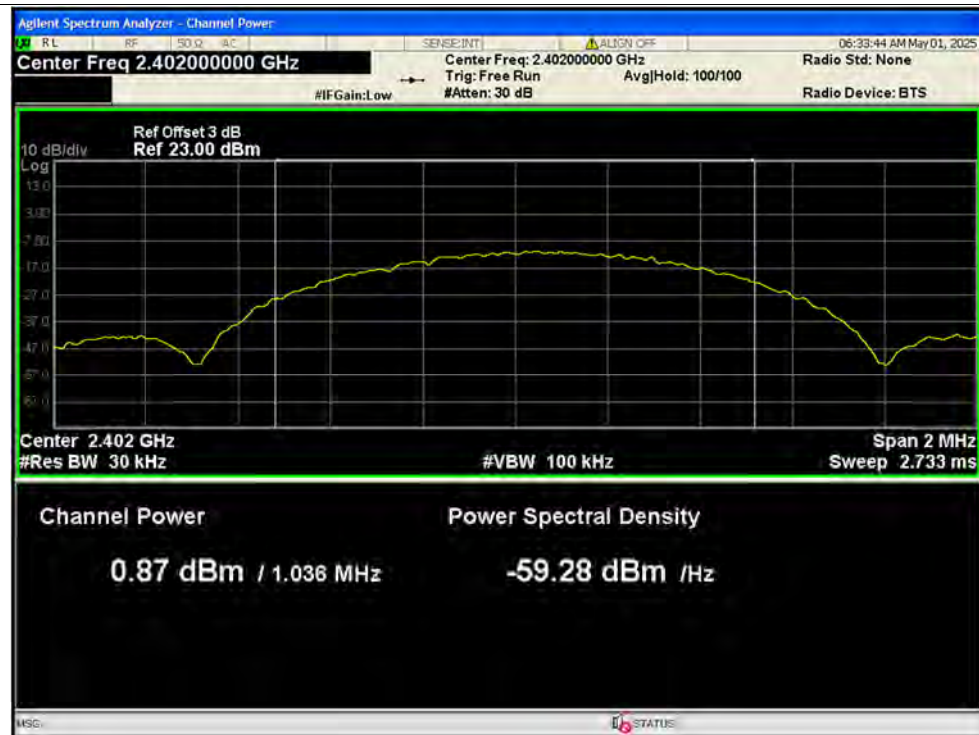
**A.3. Maximum Average Conducted Output Power**

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	0.87	0	0.87	0.00122	30	Pass
NVNT	BLE 1M	2440	Ant1	2.29	0	2.29	0.00169	30	Pass
NVNT	BLE 1M	2480	Ant1	3.45	0	3.45	0.00221	30	Pass
NVNT	BLE 2M	2402	Ant1	1.03	0	1.03	0.00127	30	Pass
NVNT	BLE 2M	2440	Ant1	2.39	0	2.39	0.00173	30	Pass
NVNT	BLE 2M	2480	Ant1	3.43	0	3.43	0.0022	30	Pass

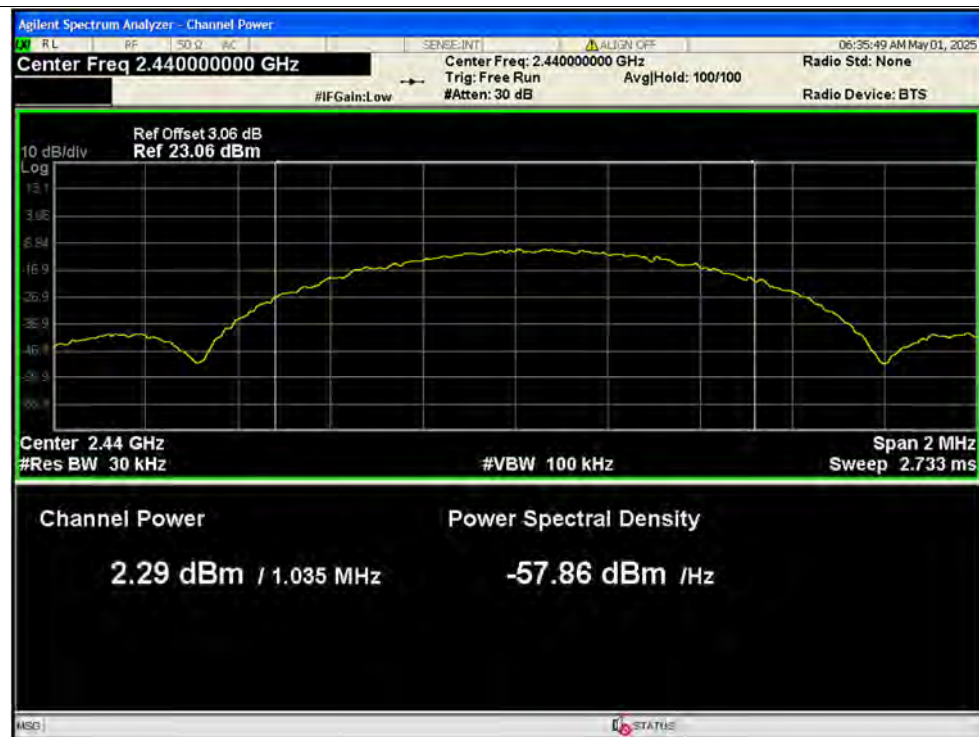


Test Graphs

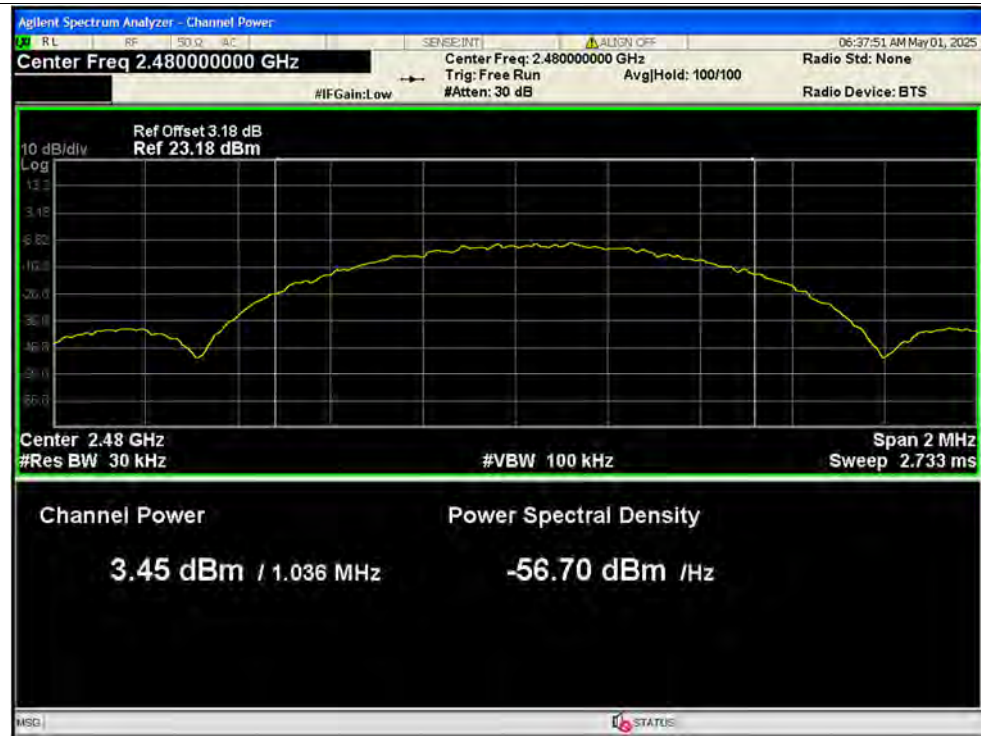
Average Power NVNT BLE 1M 2402MHz Ant1



Average Power NVNT BLE 1M 2440MHz Ant1



Average Power NVNT BLE 1M 2480MHz Ant1

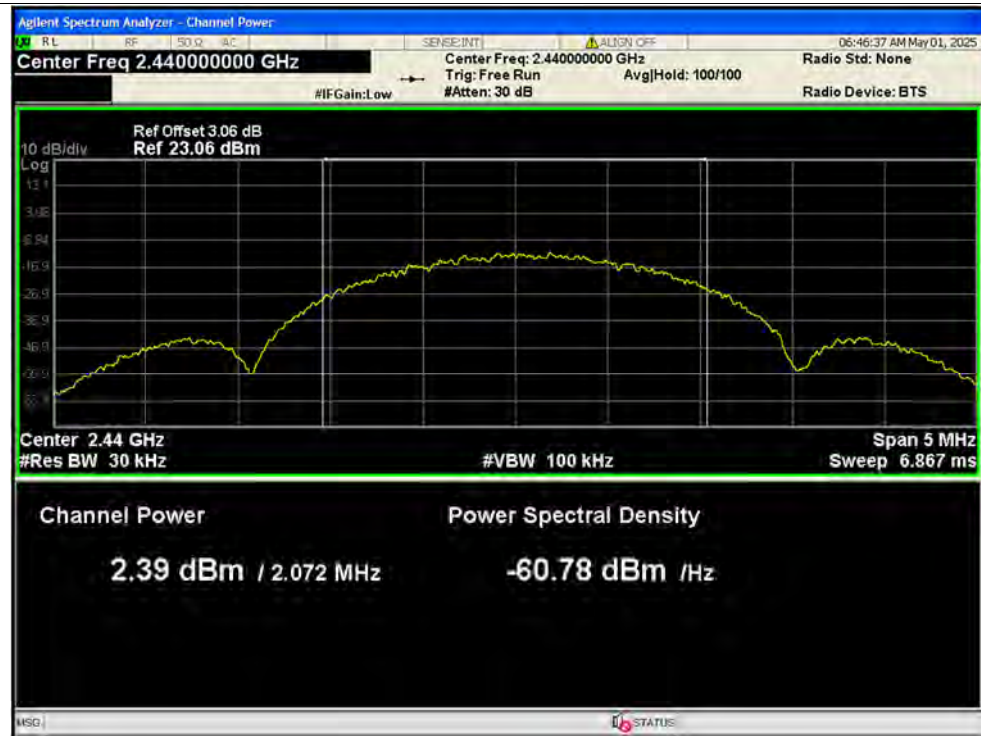


Average Power NVNT BLE 2M 2402MHz Ant1





Average Power NVNT BLE 2M 2440MHz Ant1



Average Power NVNT BLE 2M 2480MHz Ant1



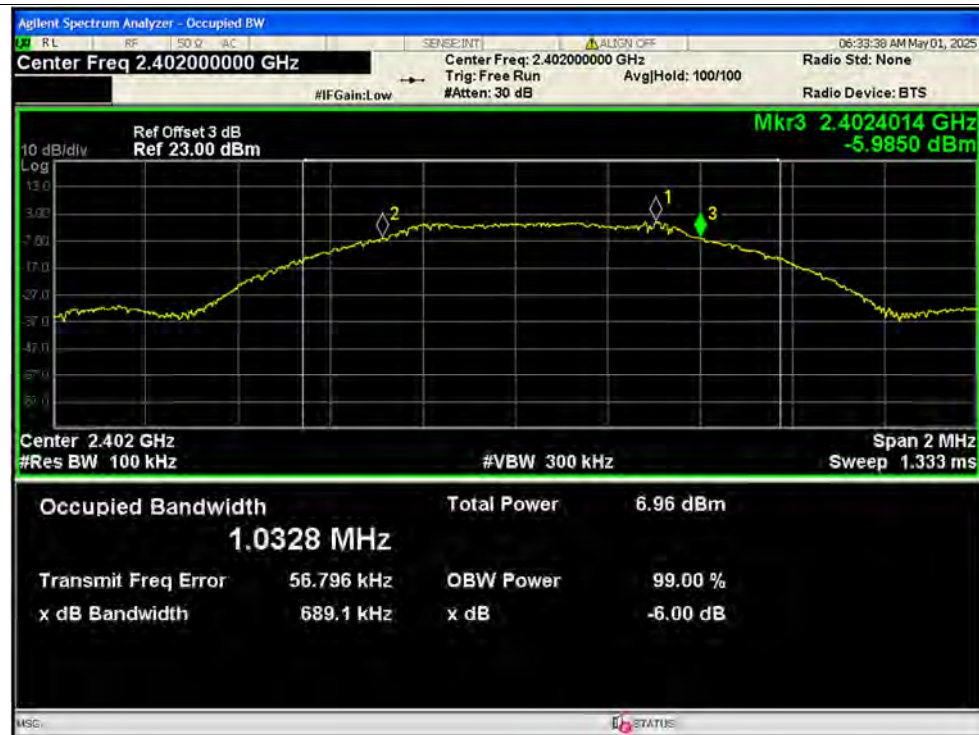
**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6891	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6821	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6848	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.353	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.353	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.363	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**

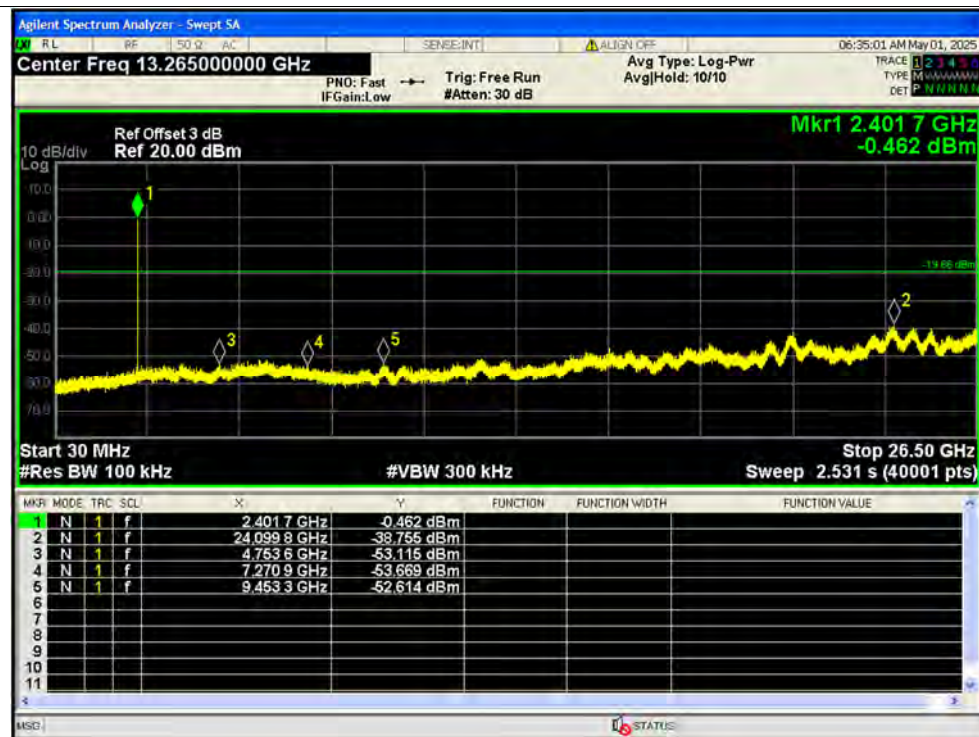
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.09	-20	Pass
NVNT	BLE 1M	2440	Ant1	-40.32	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.06	-20	Pass
NVNT	BLE 2M	2402	Ant1	-37.16	-20	Pass
NVNT	BLE 2M	2440	Ant1	-37.9	-20	Pass
NVNT	BLE 2M	2480	Ant1	-39.6	-20	Pass

Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



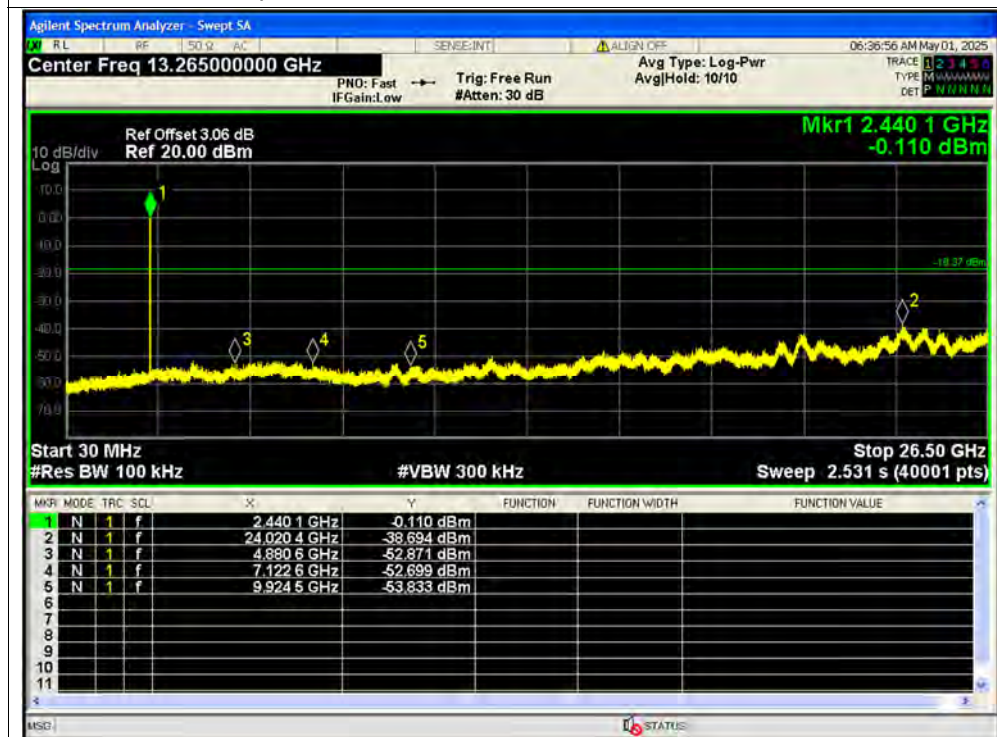
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



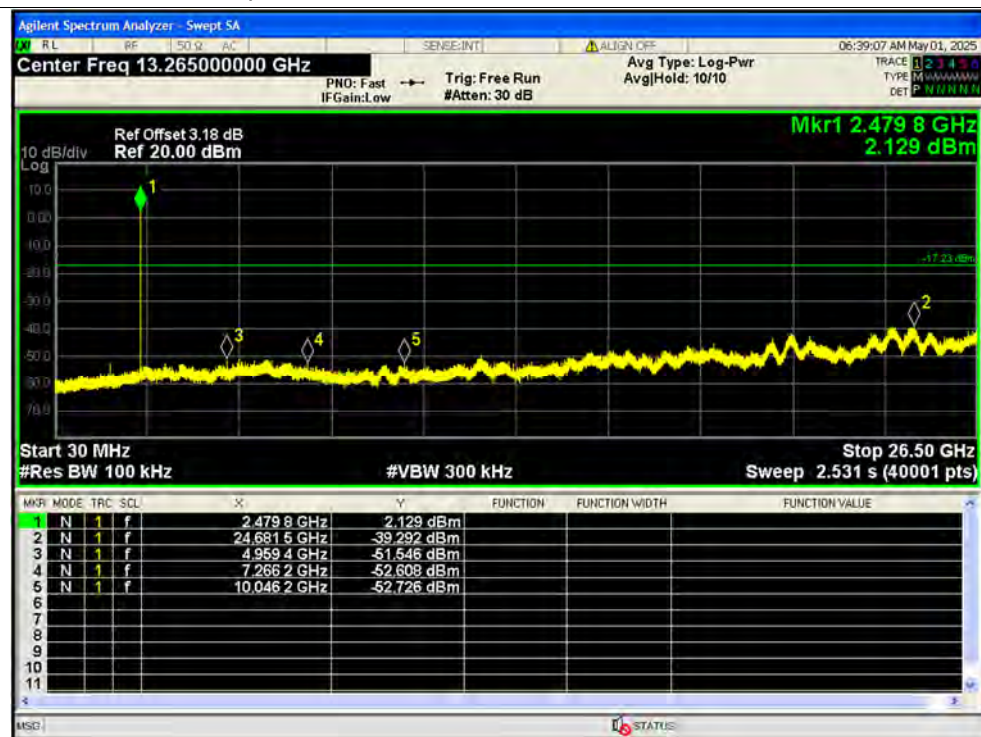
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



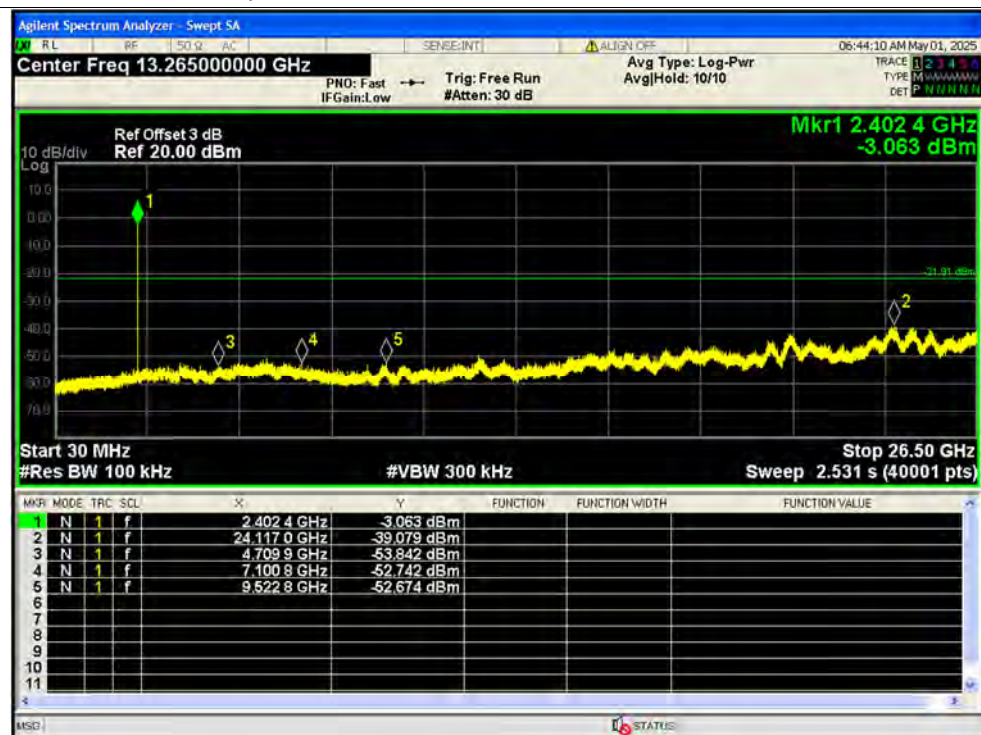
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



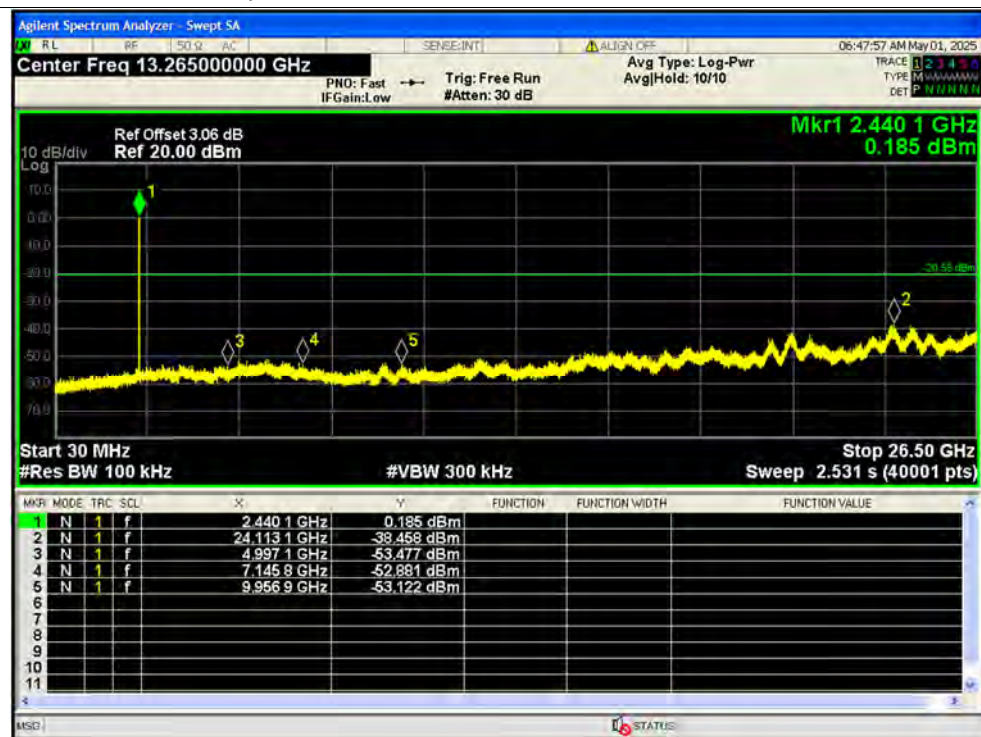
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



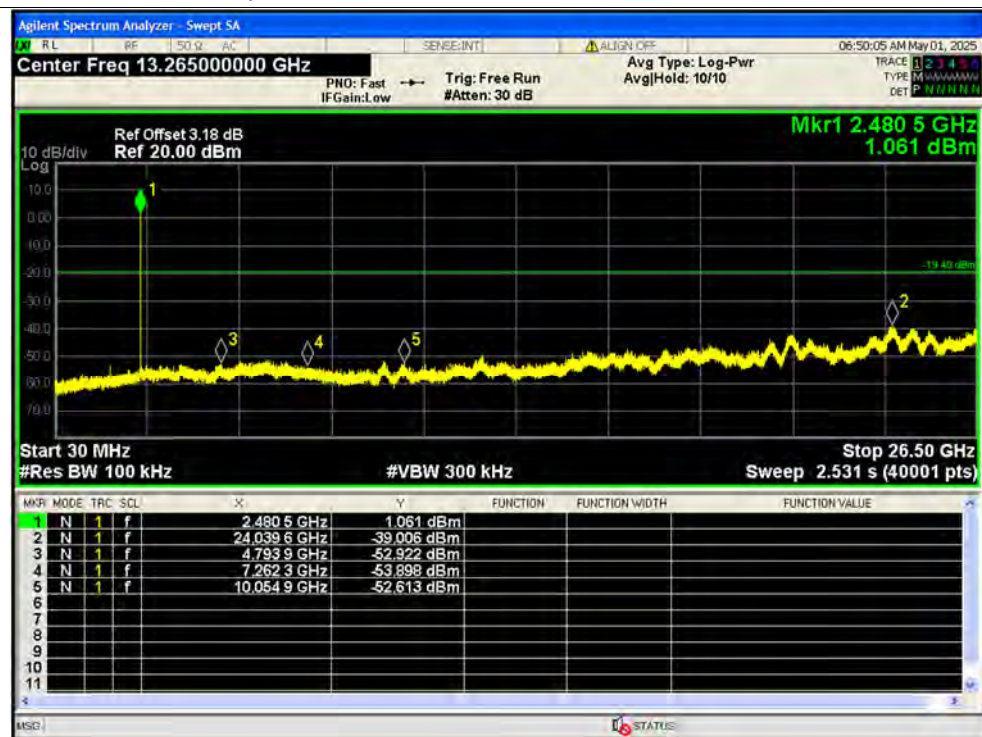
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission





REPORT No.: SZ25040172W01

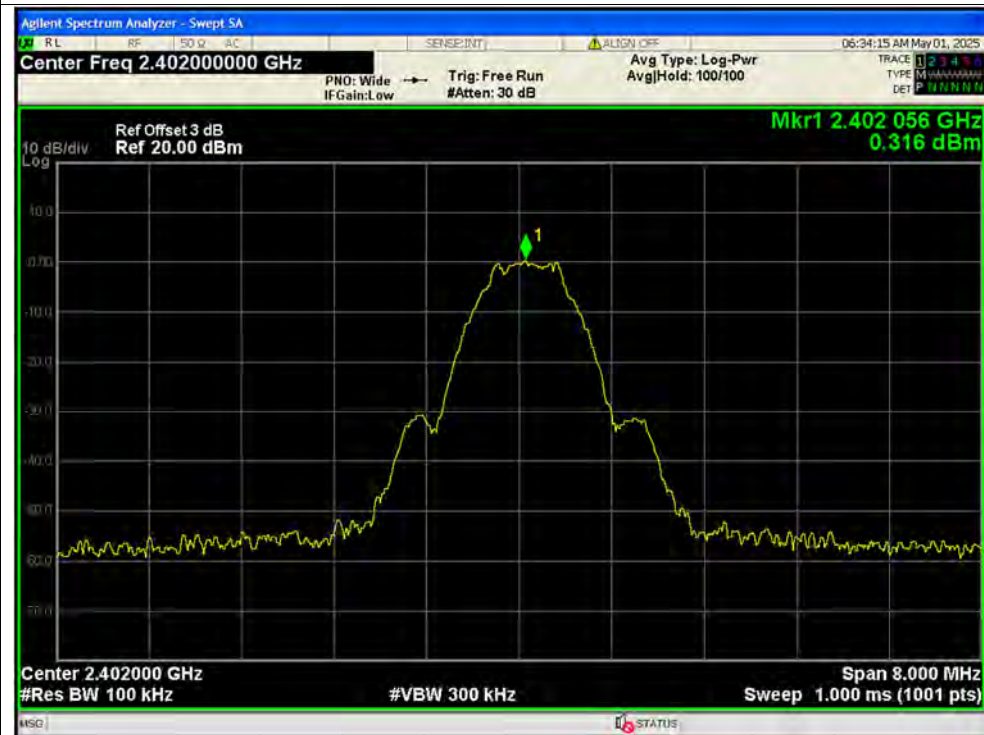
A.6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-53.49	-20	Pass
NVNT	BLE 1M	2480	Ant1	-56.39	-20	Pass
NVNT	BLE 2M	2402	Ant1	-33.78	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.41	-20	Pass

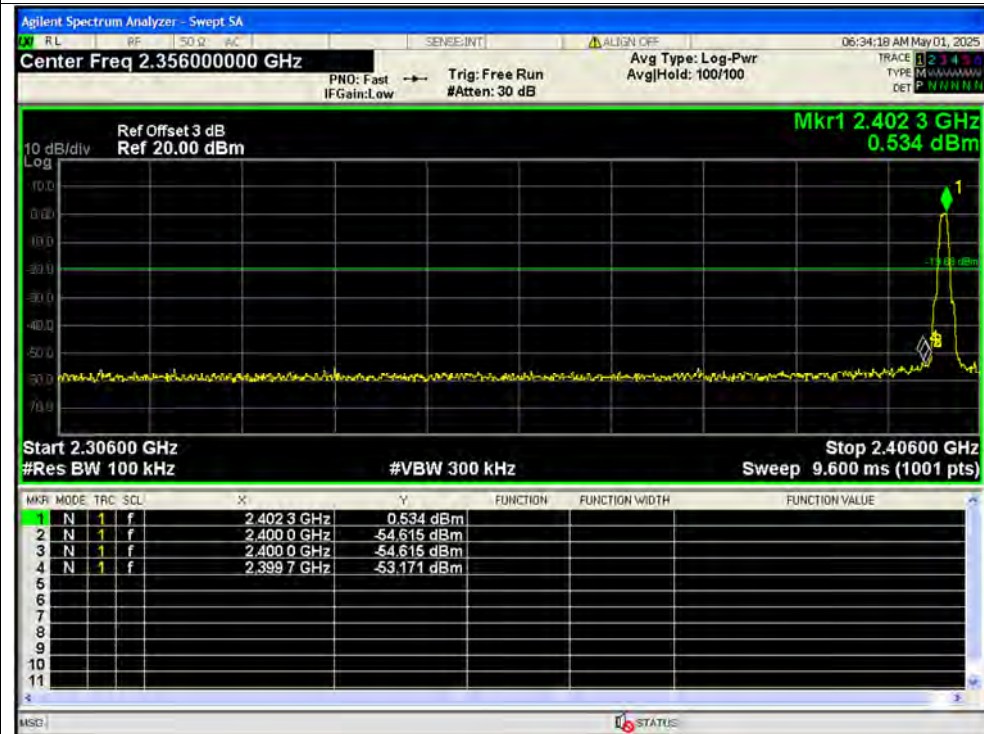


Test Graphs

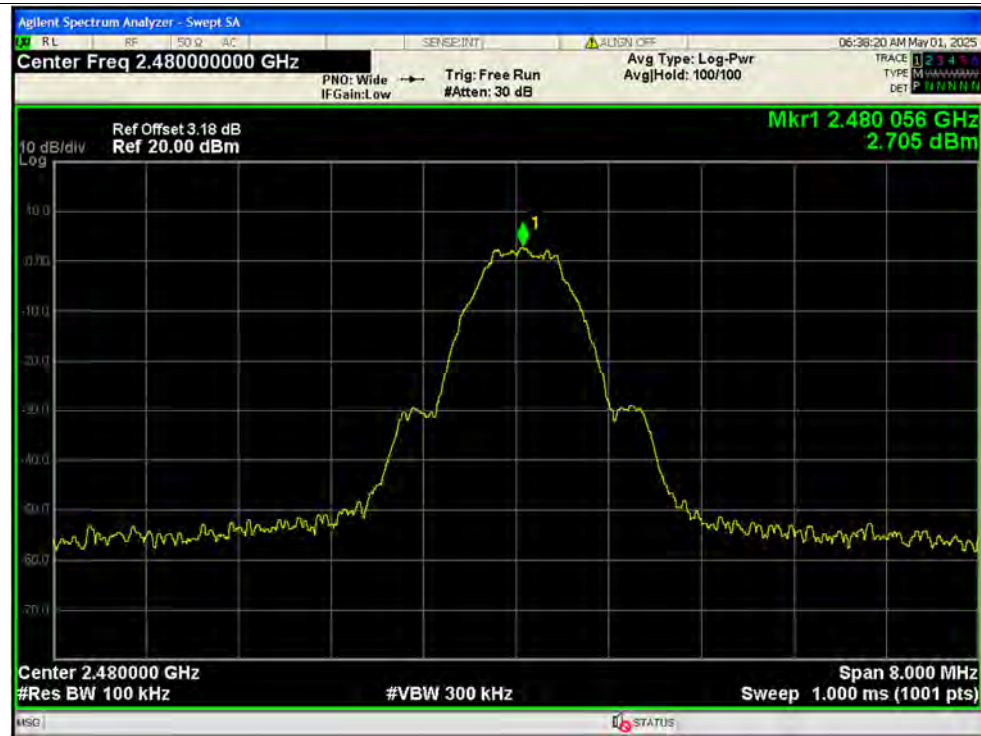
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



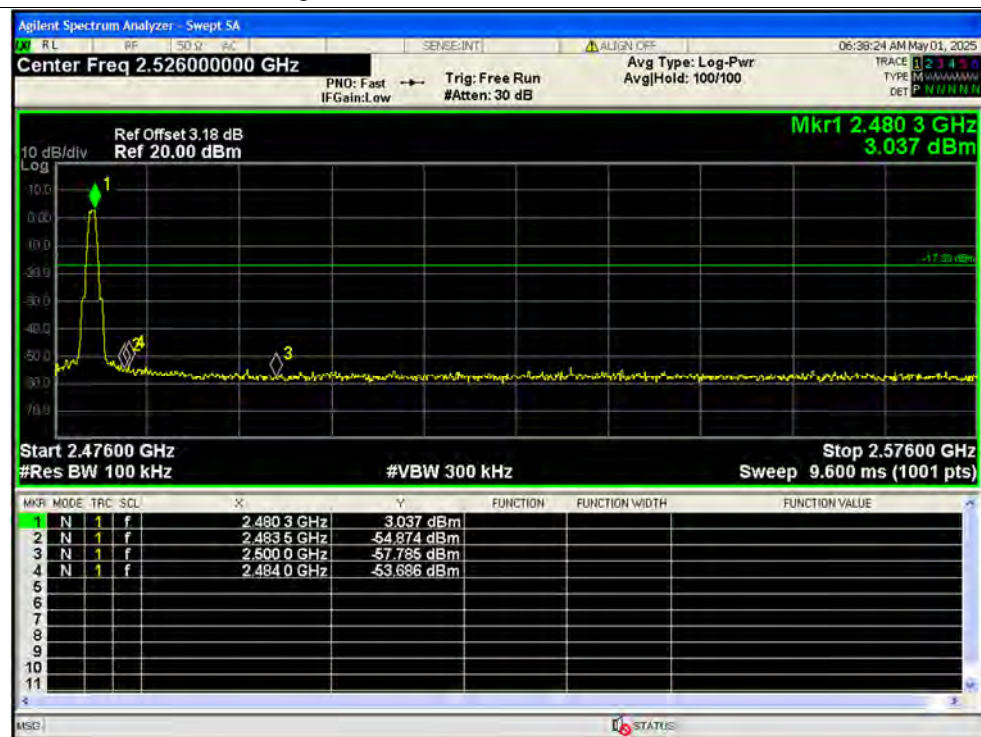
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



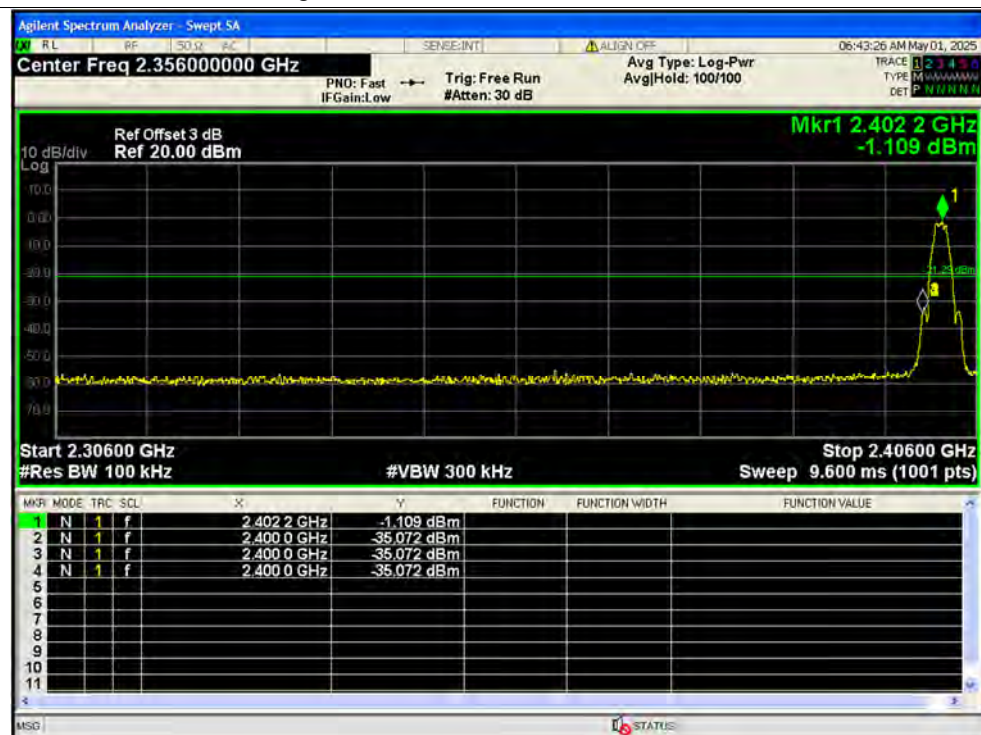
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



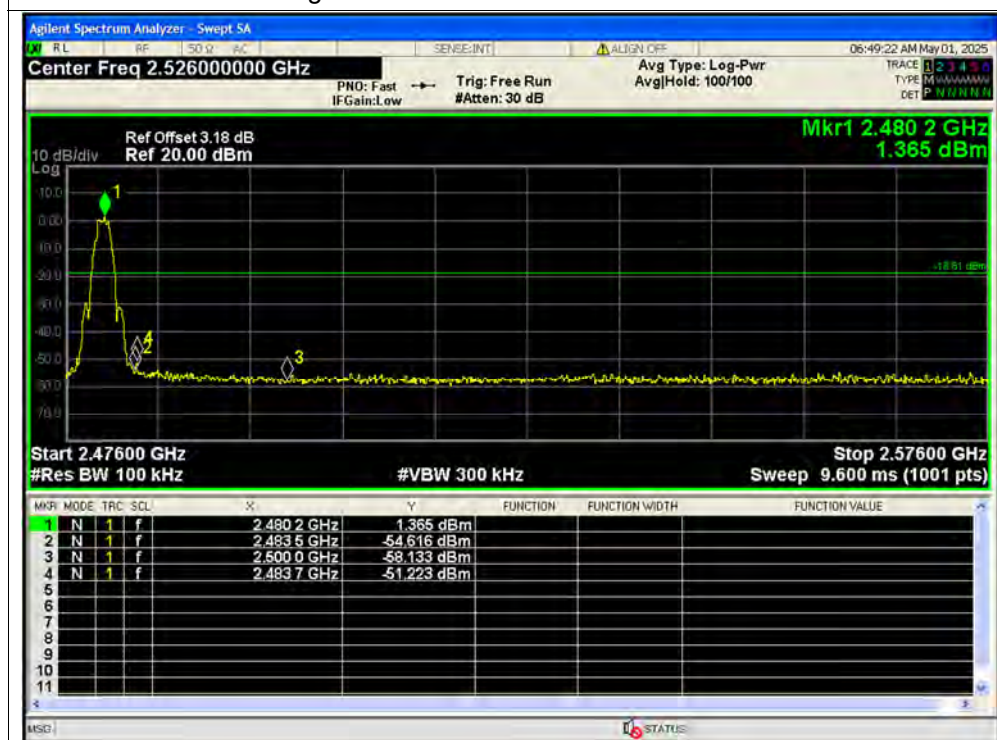
Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



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	-14.49	0	-14.49	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.17	0	-13.17	8	Pass
NVNT	BLE 1M	2480	Ant1	-12.13	0	-12.13	8	Pass
NVNT	BLE 2M	2402	Ant1	-18.94	0	-18.94	8	Pass
NVNT	BLE 2M	2440	Ant1	-17.63	0	-17.63	8	Pass
NVNT	BLE 2M	2480	Ant1	-16.45	0	-16.45	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+ mobile phone camera stabilizer+mobile phone+BLE TX

Test voltage: AC 120V/60Hz

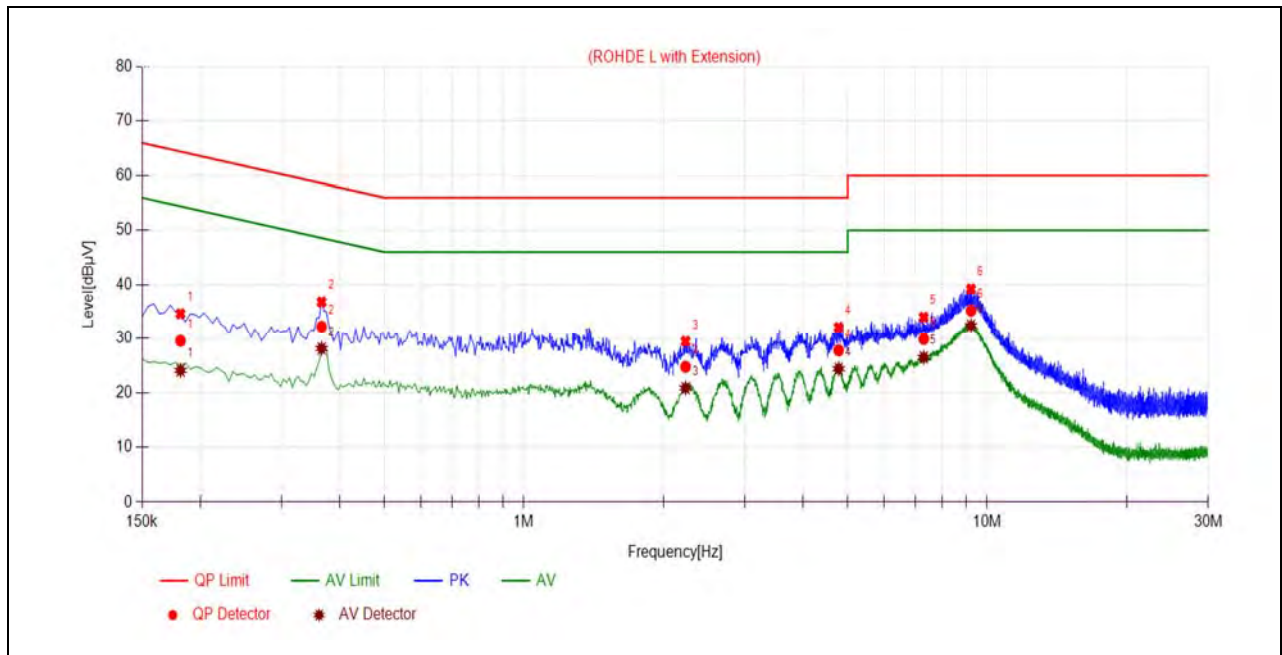
The measurement results are obtained as below:

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

U_R : Receiver Reading

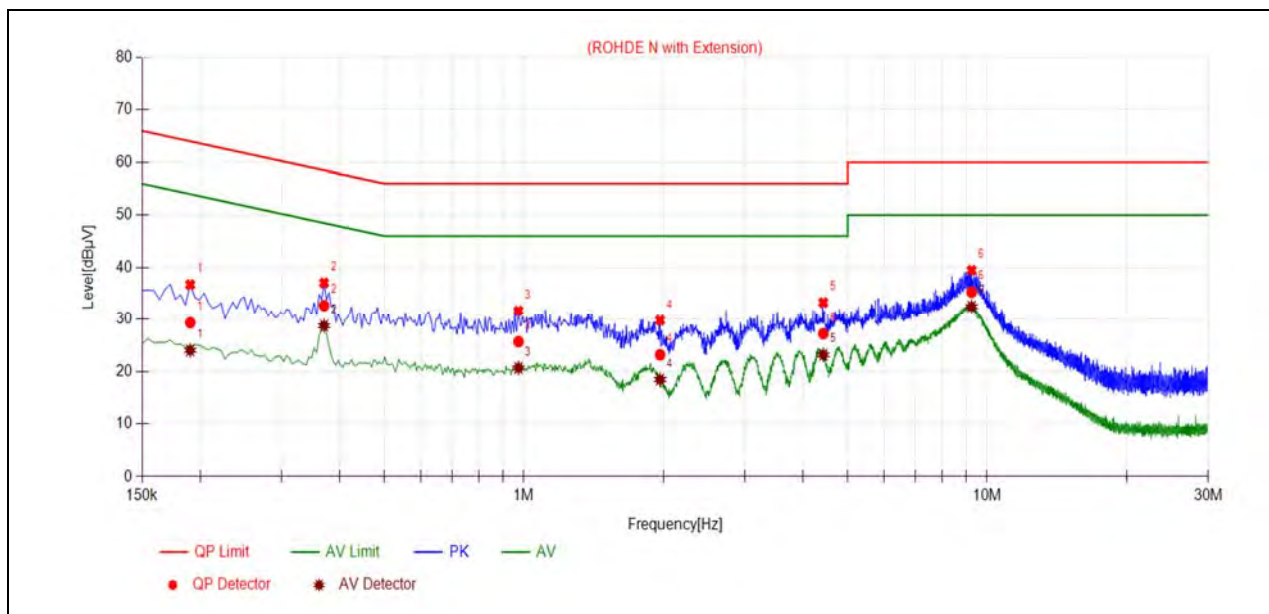
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1815	29.54	24.07	64.42	54.42	Line	PASS
2	0.3660	32.22	28.12	58.59	48.59		PASS
3	2.2336	24.75	20.84	56.00	46.00		PASS
4	4.7803	27.78	24.38	56.00	46.00		PASS
5	7.2956	29.87	26.49	60.00	50.00		PASS
6	9.2307	35.21	32.43	60.00	50.00		PASS



(N Phase)

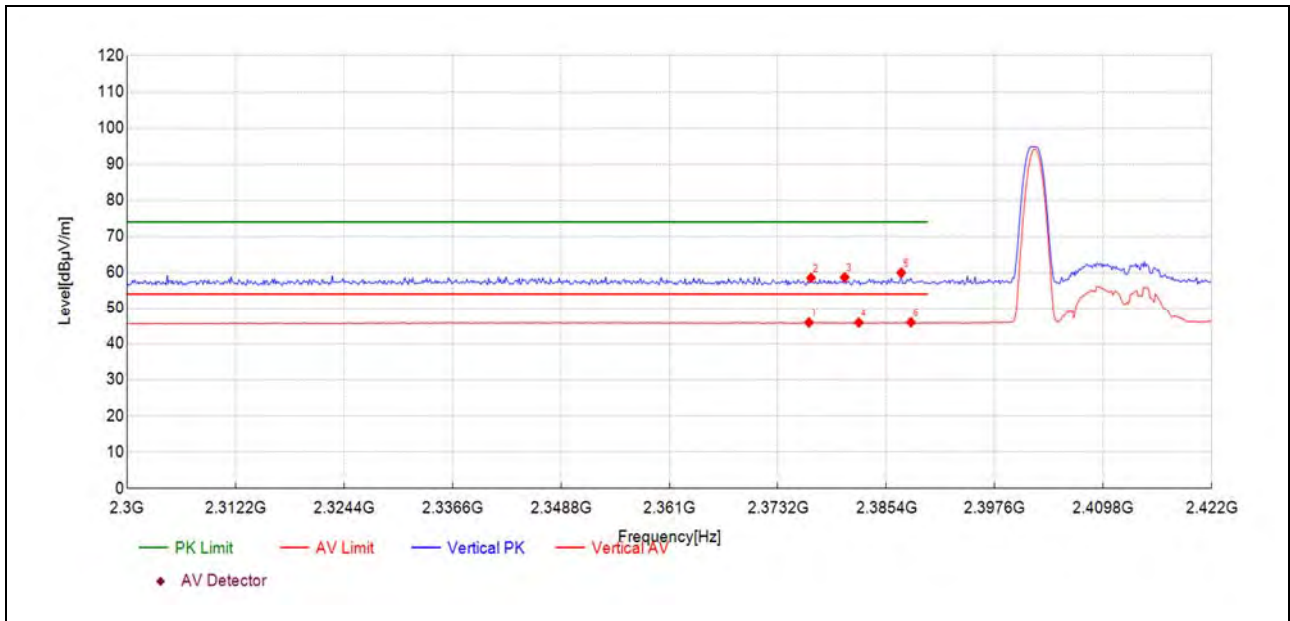
No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1905	29.33	24.01	64.02	54.02	Neutral	PASS
2	0.3705	32.69	28.74	58.49	48.49		PASS
3	0.9736	25.68	20.64	56.00	46.00		PASS
4	1.9680	23.16	18.42	56.00	46.00		PASS
5	4.4296	27.22	23.15	56.00	46.00		PASS
6	9.2576	35.28	32.51	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

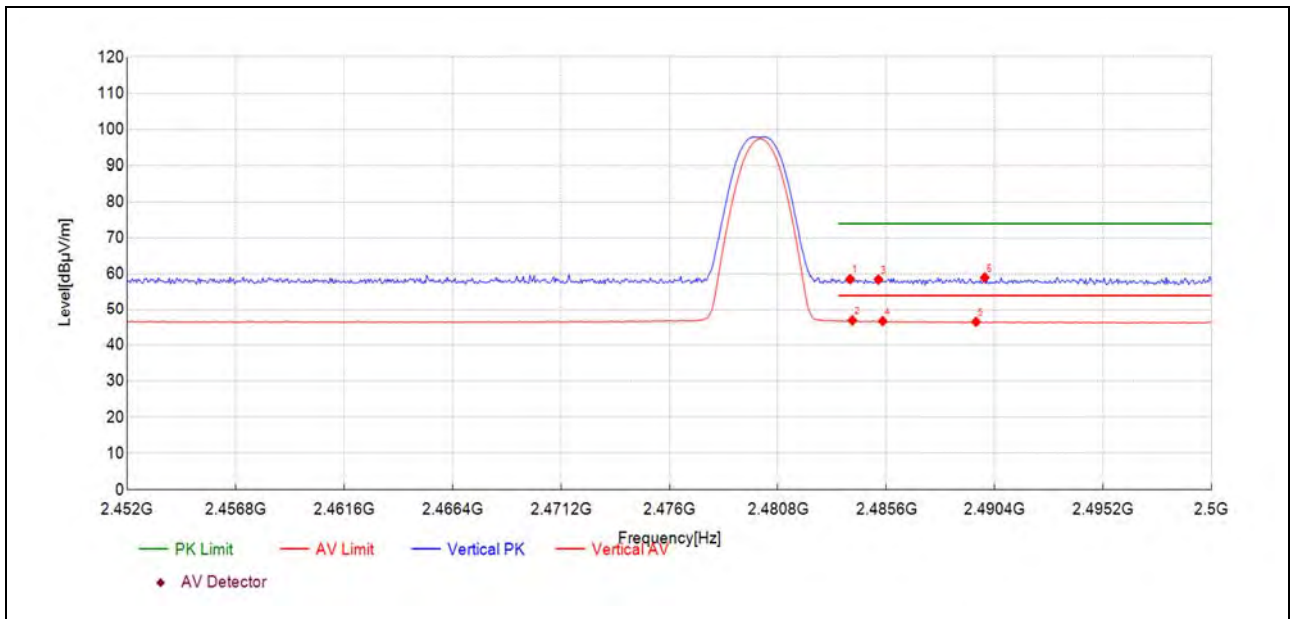
Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2376.69	8.4	45.92	37.480	54.00	8.08	150	205	AV	PASS
2376.94	21.1	58.53	37.480	74.00	15.47	150	5	PK	PASS
2380.72	21.2	58.71	37.480	74.00	15.29	150	98	PK	PASS
2382.31	8.4	45.90	37.480	54.00	8.10	150	9	AV	PASS
2387.07	22.5	59.96	37.490	74.00	14.04	150	236	PK	PASS
2388.17	8.5	45.98	37.490	54.00	8.02	150	174	AV	PASS



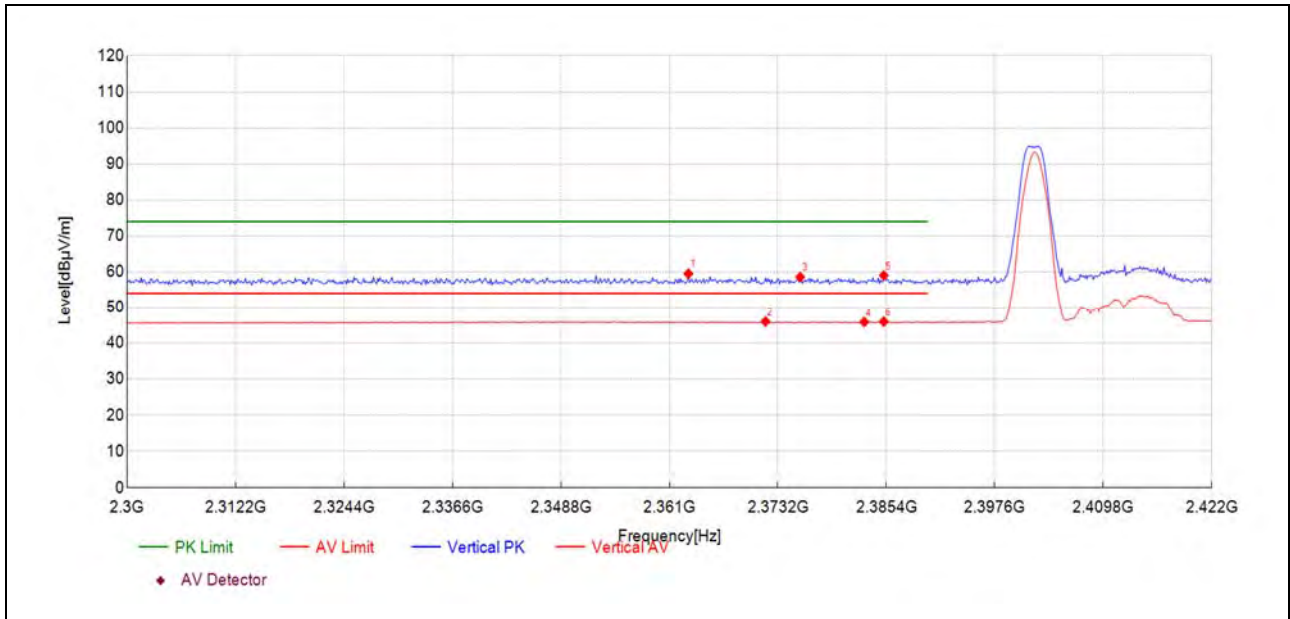
Plot for Channel 39



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2484.00	20.3	58.61	38.270	74.00	15.39	150	73	PK	PASS
2484.10	8.6	46.87	38.270	54.00	7.13	150	82	AV	PASS
2485.25	20.2	58.49	38.270	74.00	15.51	150	301	PK	PASS
2485.44	8.4	46.67	38.270	54.00	7.33	150	95	AV	PASS
2489.57	8.2	46.46	38.260	54.00	7.54	150	108	AV	PASS
2489.96	20.8	59.04	38.260	74.00	14.96	150	319	PK	PASS

2Mbps

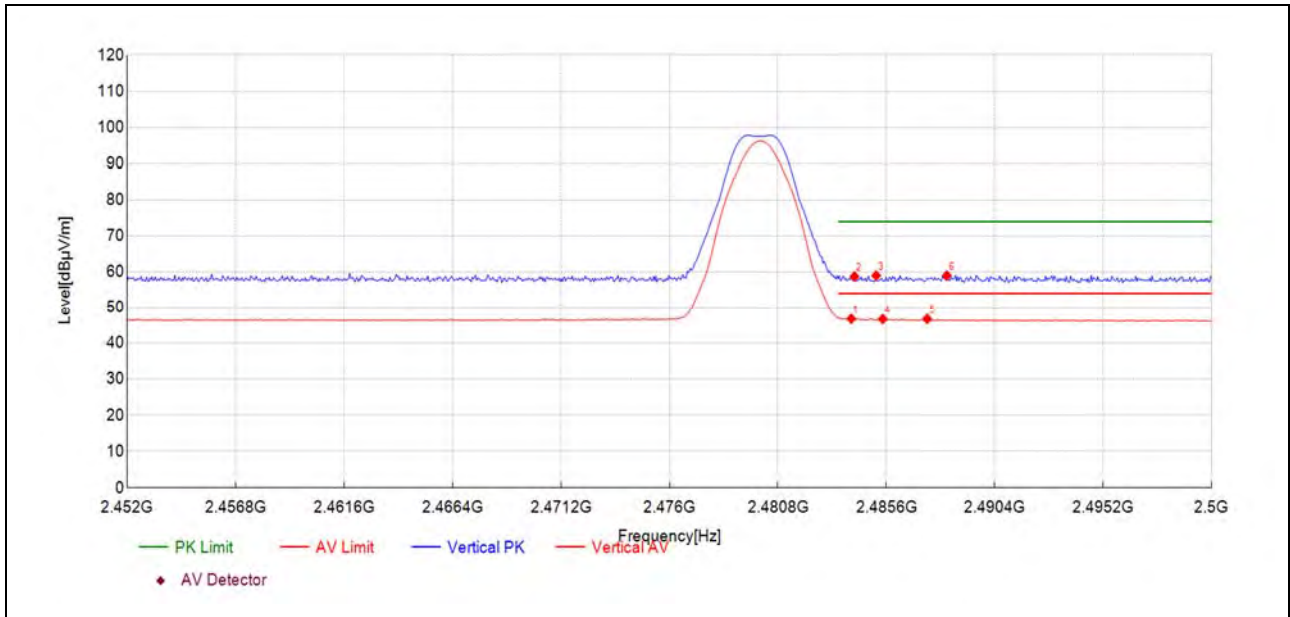
Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2363.14	22.1	59.54	37.470	74.00	14.46	150	177	PK	PASS
2371.81	8.5	46.01	37.470	54.00	7.99	150	195	AV	PASS
2375.72	21.1	58.61	37.480	74.00	15.39	150	26	PK	PASS
2382.92	8.4	45.88	37.480	54.00	8.12	150	48	AV	PASS
2385.12	21.6	59.04	37.490	74.00	14.96	150	93	PK	PASS
2385.12	8.5	45.98	37.490	54.00	8.02	150	329	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
2484.05	8.5	46.79	38.270	54.00	7.21	150	107	AV	PASS
2484.19	20.5	58.77	38.270	74.00	15.23	150	217	PK	PASS
2485.15	20.8	59.03	38.270	74.00	14.97	150	160	PK	PASS
2485.44	8.5	46.72	38.270	54.00	7.28	150	93	AV	PASS
2487.41	8.5	46.77	38.270	54.00	7.23	150	93	AV	PASS
2488.28	20.7	59.01	38.270	74.00	14.99	150	44	PK	PASS



A.10. Radiated Emission

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note4: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

Field strength of fundamental:

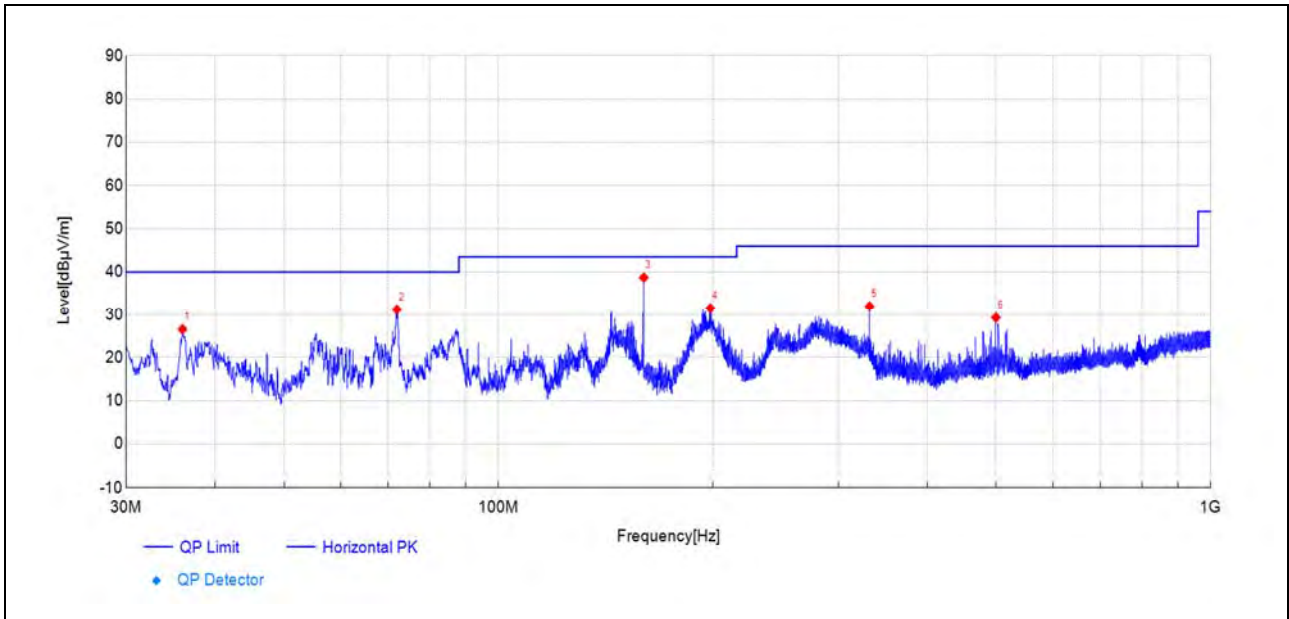
Frequency [MHz]	Reading [dB μ V]	Level [dB μ V/m]	Factor [dB/m]	Detector	Antenna Polarity
2401.73	57.3	94.84	37.520	PK	Vertical

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



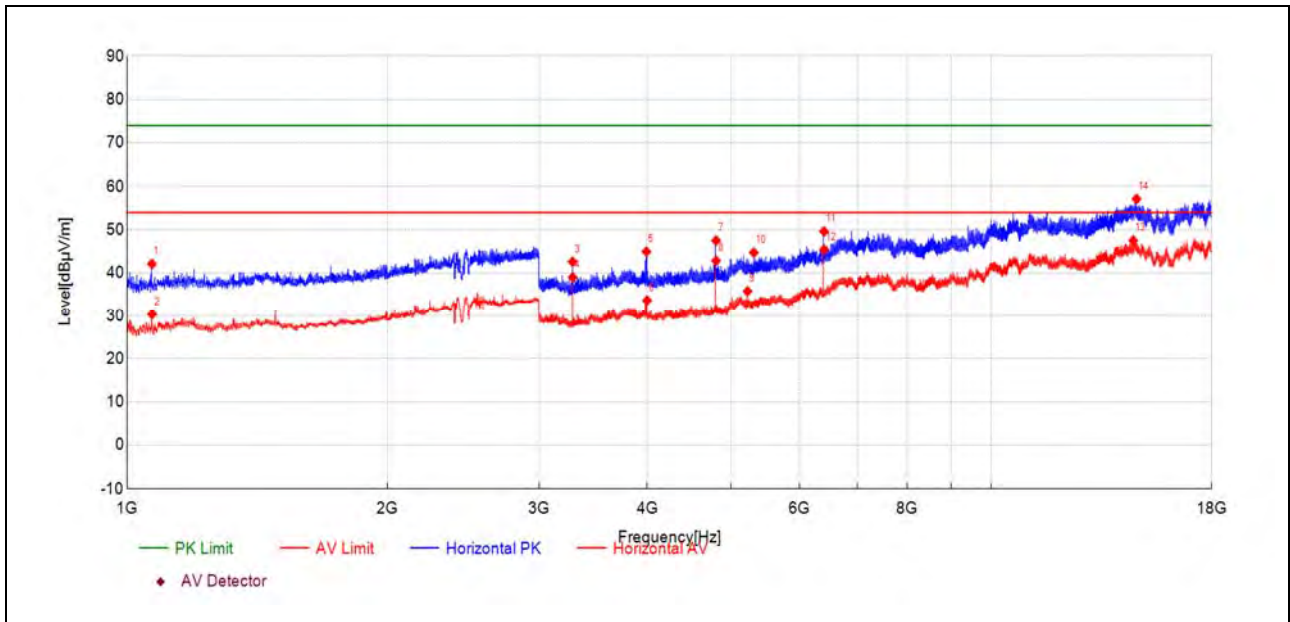
1Mbps

Plot for Channel 0



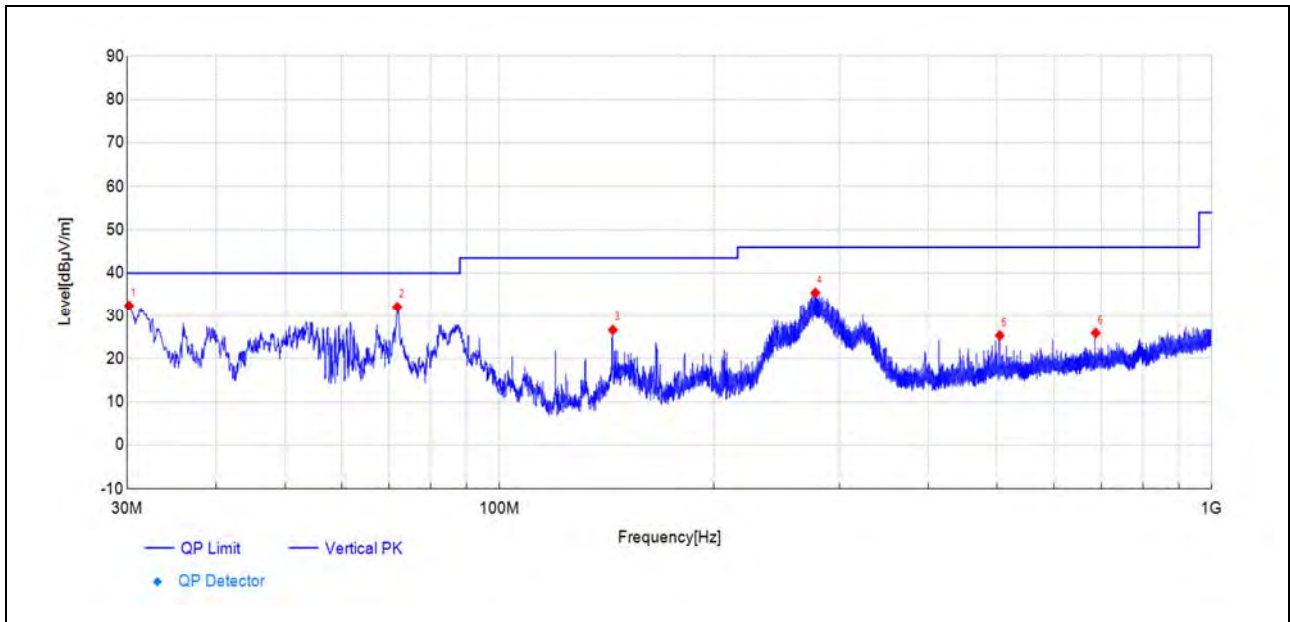
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
36.01	56.1	26.55	-29.590	40.00	13.45	150	29	PK	PASS
72.00	62.6	31.22	-31.380	40.00	8.78	150	134	PK	PASS
159.99	69.9	38.71	-31.160	43.50	4.79	150	231	PK	PASS
198.40	60.6	31.51	-29.080	43.50	11.99	150	36	PK	PASS
331.93	56.4	31.97	-24.400	46.00	14.03	150	286	PK	PASS
499.41	49.7	29.30	-20.420	46.00	16.70	150	92	PK	PASS



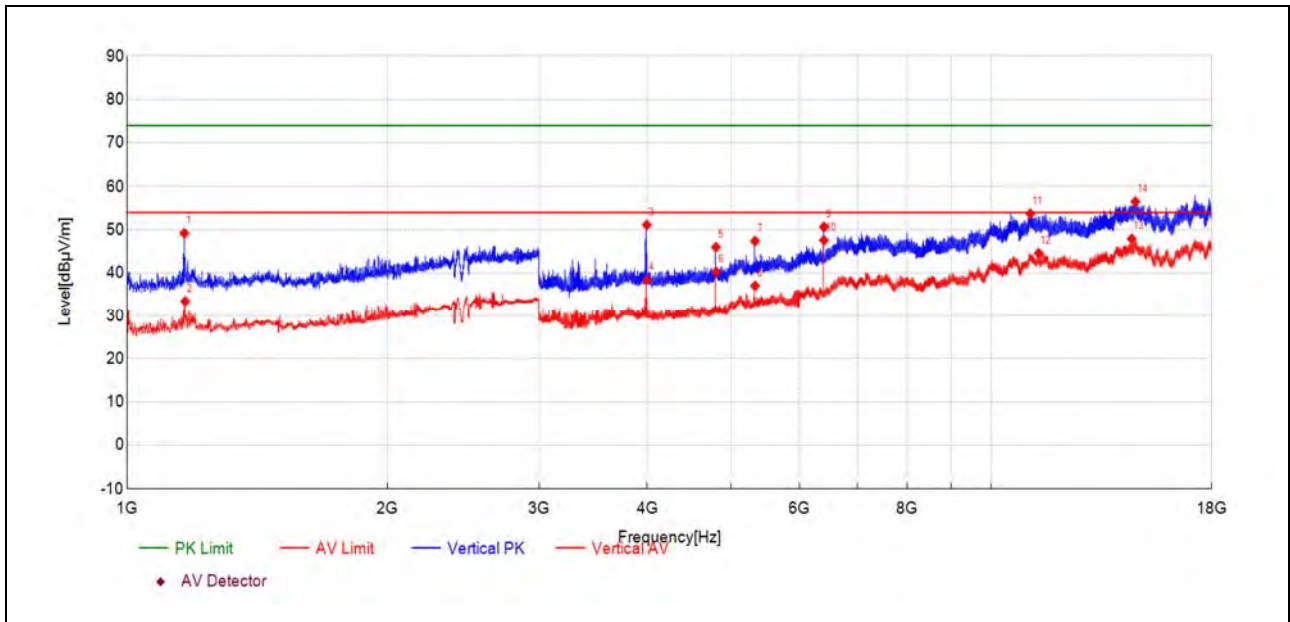
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1068.81	44.7	42.12	-2.580	74.00	31.88	150	180	PK	PASS
1069.21	32.9	30.31	-2.580	54.00	23.69	150	180	AV	PASS
3278.15	53.8	42.63	-11.190	74.00	31.37	150	358	PK	PASS
3279.44	50.2	39.05	-11.180	54.00	14.95	150	348	AV	PASS
3991.74	53.1	44.97	-8.080	74.00	29.03	150	105	PK	PASS
3997.74	41.8	33.64	-8.130	54.00	20.36	150	199	AV	PASS
4803.91	52.7	47.53	-5.150	74.00	26.47	150	130	PK	PASS
4804.34	48.0	42.86	-5.140	54.00	11.14	150	130	AV	PASS
5224.35	39.0	35.78	-3.260	54.00	18.22	150	159	AV	PASS
5313.07	47.4	44.75	-2.610	74.00	29.25	150	358	PK	PASS
6405.53	48.6	49.65	1.070	74.00	24.35	150	105	PK	PASS
6405.95	44.4	45.46	1.070	54.00	8.54	150	105	AV	PASS
14600.47	27.2	47.56	20.340	54.00	6.44	150	9	AV	PASS
14733.34	36.8	57.15	20.310	74.00	16.85	150	24	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

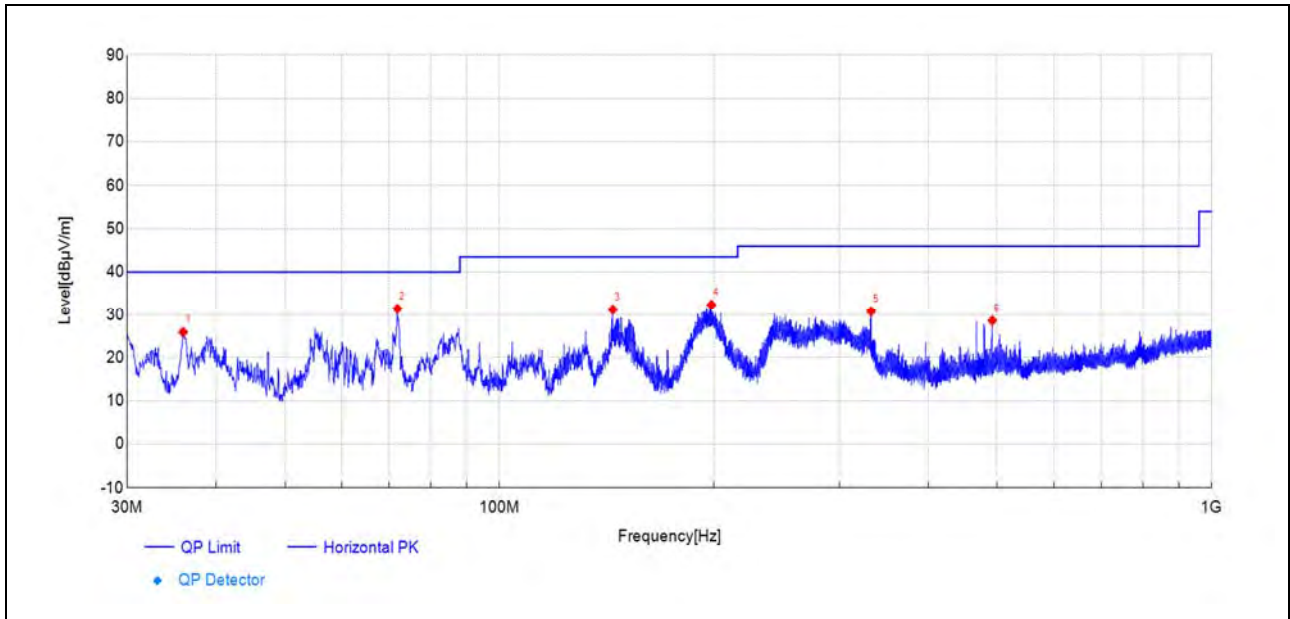
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
30.19	63.2	32.41	-30.800	40.00	7.59	150	37	PK	PASS
71.86	63.5	32.09	-31.450	40.00	7.91	150	72	PK	PASS
144.27	58.0	26.64	-31.310	43.50	16.86	150	155	PK	PASS
277.65	61.7	35.45	-26.220	46.00	10.55	150	274	PK	PASS
503.92	45.8	25.37	-20.470	46.00	20.63	150	78	PK	PASS
687.16	42.2	25.92	-16.280	46.00	20.08	150	43	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

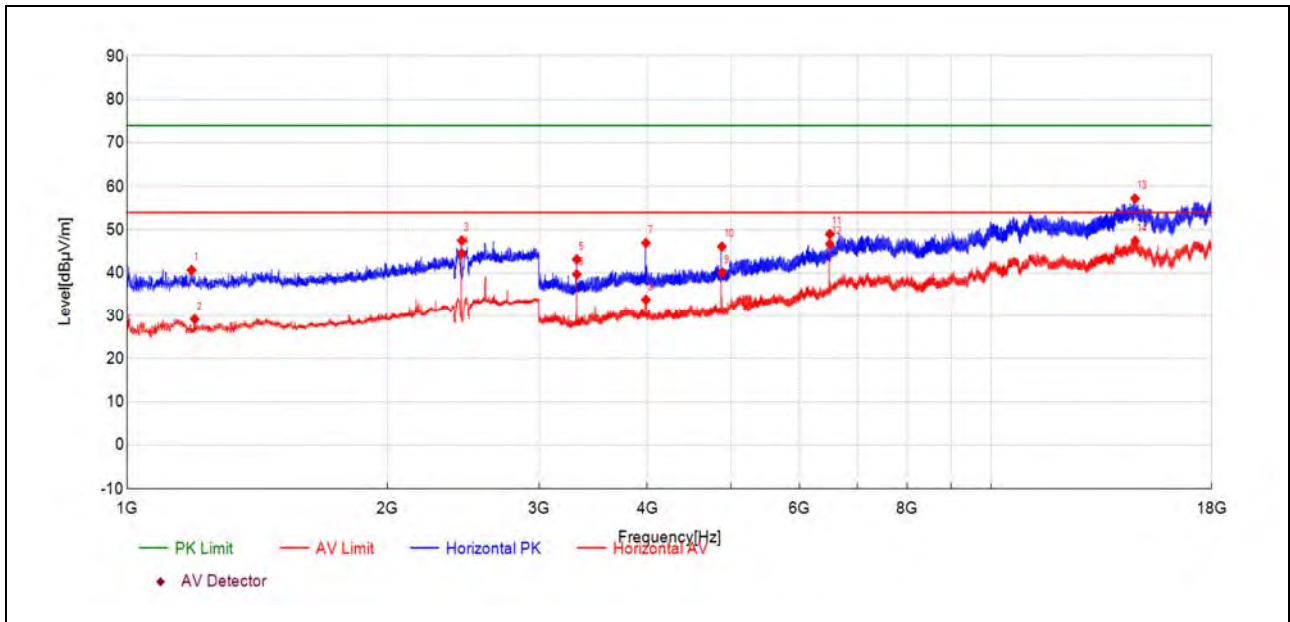
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1165.23	50.9	49.21	-1.700	74.00	24.79	150	88	PK	PASS
1167.63	35.1	33.43	-1.660	54.00	20.57	150	138	AV	PASS
3994.74	59.3	51.14	-8.110	74.00	22.86	150	105	PK	PASS
3995.17	46.5	38.37	-8.110	54.00	15.63	150	105	AV	PASS
4803.91	51.2	46.00	-5.150	74.00	28.00	150	130	PK	PASS
4804.77	45.5	40.31	-5.140	54.00	13.69	150	130	AV	PASS
5330.64	49.9	47.41	-2.440	74.00	26.59	150	186	PK	PASS
5331.07	39.5	37.04	-2.440	54.00	16.96	150	186	AV	PASS
6405.10	49.6	50.68	1.060	74.00	23.32	150	105	PK	PASS
6405.53	46.5	47.59	1.070	54.00	6.41	150	118	AV	PASS
11100.66	39.7	53.75	14.080	74.00	20.25	150	90	PK	PASS
11351.81	31.1	44.59	13.540	54.00	9.41	150	145	AV	PASS
14545.62	27.9	47.92	20.050	54.00	6.08	150	171	AV	PASS
14687.48	36.0	56.53	20.570	74.00	17.47	150	50	PK	PASS

Plot for Channel 19



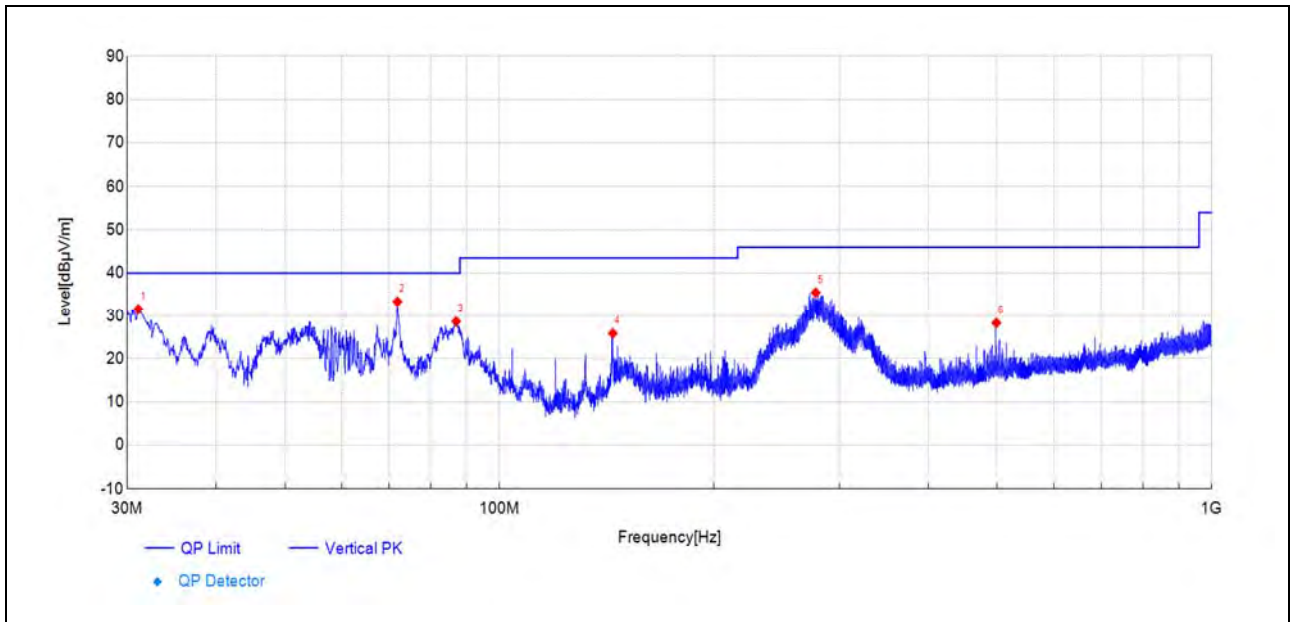
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
35.97	55.5	25.92	-29.600	40.00	14.08	150	37	PK	PASS
71.91	62.8	31.40	-31.430	40.00	8.60	150	149	PK	PASS
144.27	62.5	31.20	-31.310	43.50	12.30	150	58	PK	PASS
198.40	61.4	32.34	-29.080	43.50	11.16	150	51	PK	PASS
332.56	55.2	30.77	-24.460	46.00	15.23	150	226	PK	PASS
491.99	49.1	28.59	-20.500	46.00	17.41	150	149	PK	PASS



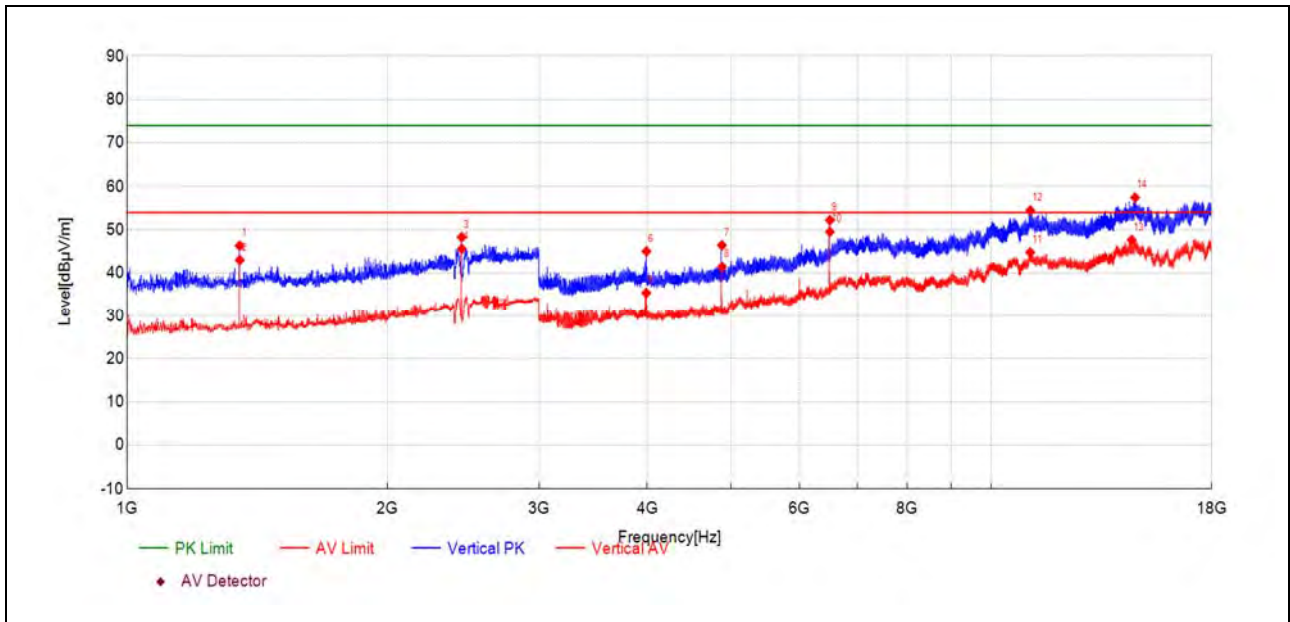
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1188.04	42.0	40.70	-1.300	74.00	33.30	150	229	PK	PASS
1197.64	30.3	29.16	-1.130	54.00	24.84	150	169	AV	PASS
2439.89	41.7	47.54	5.820	-	-	150	20	PK	NA
2440.29	38.7	44.55	5.820	-	-	150	20	AV	NA
3314.58	54.1	43.18	-10.890	74.00	30.82	150	49	PK	PASS
3315.01	50.6	39.73	-10.880	54.00	14.27	150	49	AV	PASS
3985.74	55.0	46.98	-8.040	74.00	27.02	150	158	PK	PASS
3986.17	41.9	33.81	-8.040	54.00	20.19	150	158	AV	PASS
4880.20	45.2	40.15	-5.000	54.00	13.85	150	117	AV	PASS
4880.20	51.1	46.14	-5.000	74.00	27.86	150	131	PK	PASS
6506.67	47.0	49.02	2.000	74.00	24.98	150	105	PK	PASS
6507.10	44.7	46.74	2.000	54.00	7.26	150	90	AV	PASS
14675.91	36.7	57.25	20.540	74.00	16.75	150	211	PK	PASS
14681.48	26.9	47.45	20.550	54.00	6.55	150	185	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

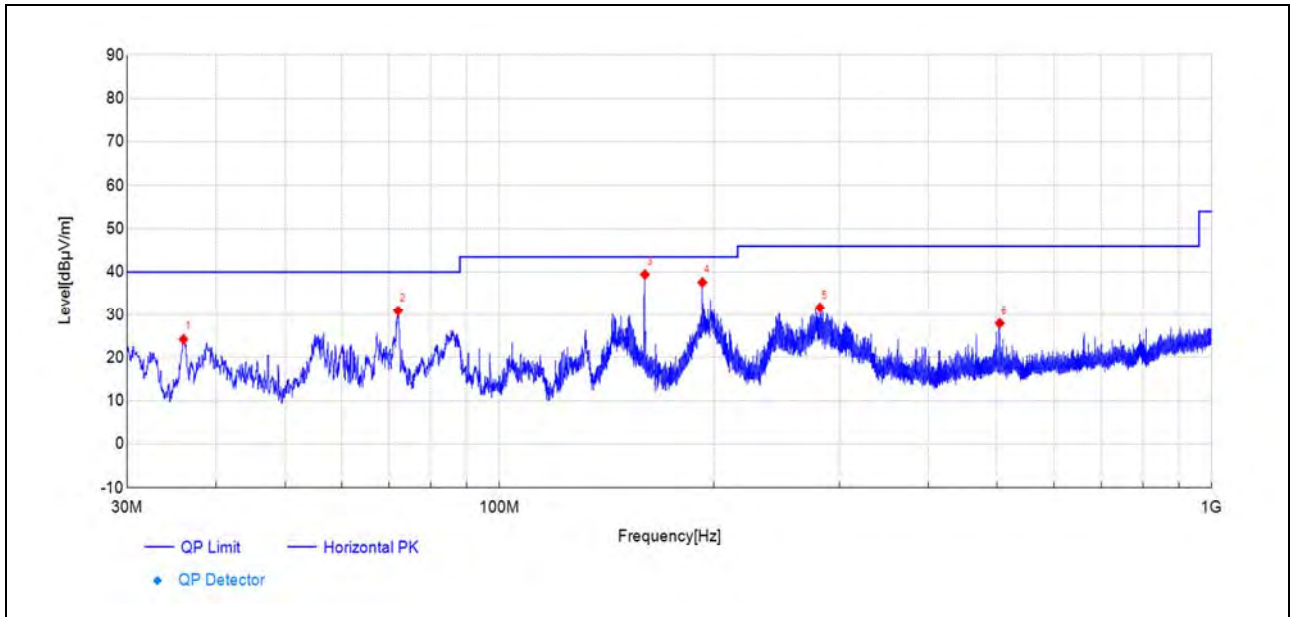
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
31.12	62.2	31.56	-30.680	40.00	8.44	150	142	PK	PASS
71.91	64.8	33.35	-31.430	40.00	6.65	150	86	PK	PASS
86.94	60.9	28.65	-32.200	40.00	11.35	150	58	PK	PASS
144.27	57.2	25.86	-31.310	43.50	17.64	150	135	PK	PASS
277.99	61.7	35.47	-26.240	46.00	10.53	150	281	PK	PASS
498.39	48.7	28.28	-20.440	46.00	17.72	150	72	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

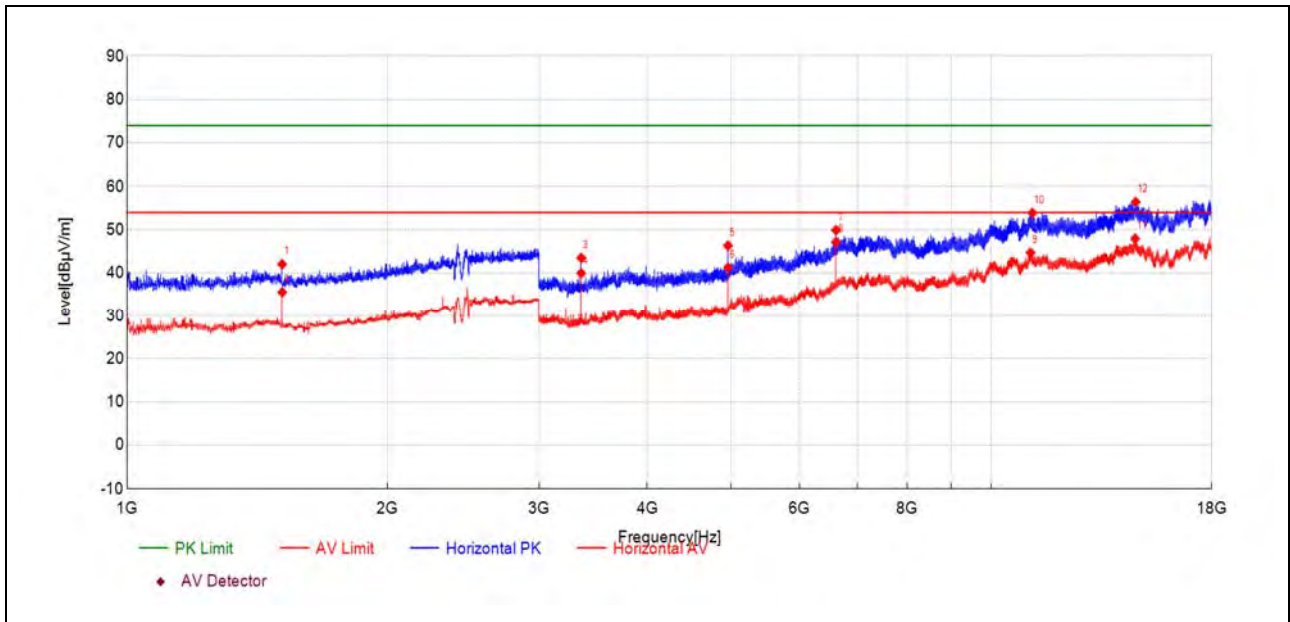
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1350.07	47.2	46.35	-0.800	74.00	27.65	150	81	PK	PASS
1350.47	43.8	43.01	-0.800	54.00	10.99	150	81	PK	PASS
2439.89	42.5	48.31	5.820	-	-	150	103	PK	NA
2440.29	39.8	45.62	5.820	-	-	150	98	PK	NA
3989.60	43.5	35.39	-8.070	54.00	18.61	150	118	PK	PASS
3991.74	53.1	45.05	-8.080	74.00	28.95	150	118	PK	PASS
4880.20	51.4	46.44	-5.000	74.00	27.56	150	333	PK	PASS
4880.63	46.4	41.43	-5.010	54.00	12.57	150	267	PK	PASS
6506.67	50.3	52.26	2.000	74.00	21.74	150	146	PK	PASS
6507.10	47.6	49.56	2.000	54.00	4.44	150	130	PK	PASS
11096.80	30.8	44.82	14.030	54.00	9.18	150	130	PK	PASS
11101.09	40.5	54.52	14.070	74.00	19.48	150	308	PK	PASS
14544.33	27.6	47.65	20.040	54.00	6.35	150	308	PK	PASS
14677.62	36.9	57.47	20.540	74.00	16.53	150	212	PK	PASS

Plot for Channel 39



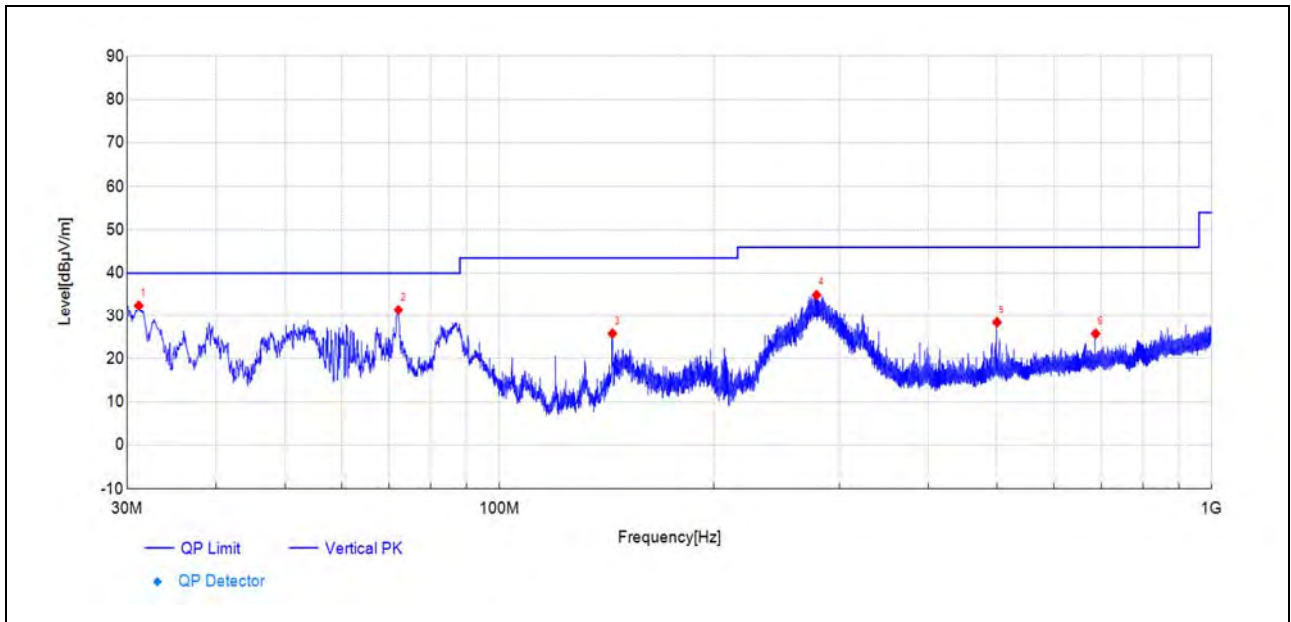
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
36.01	53.8	24.24	-29.590	40.00	15.76	150	197	PK	PASS
72.05	62.3	30.91	-31.420	40.00	9.09	150	162	PK	PASS
160.04	70.6	39.43	-31.160	43.50	4.07	150	58	PK	PASS
192.73	67.7	37.59	-30.150	43.50	5.91	150	66	PK	PASS
281.87	58.0	31.64	-26.320	46.00	14.36	150	197	PK	PASS
503.87	48.4	27.95	-20.470	46.00	18.05	150	162	PK	PASS



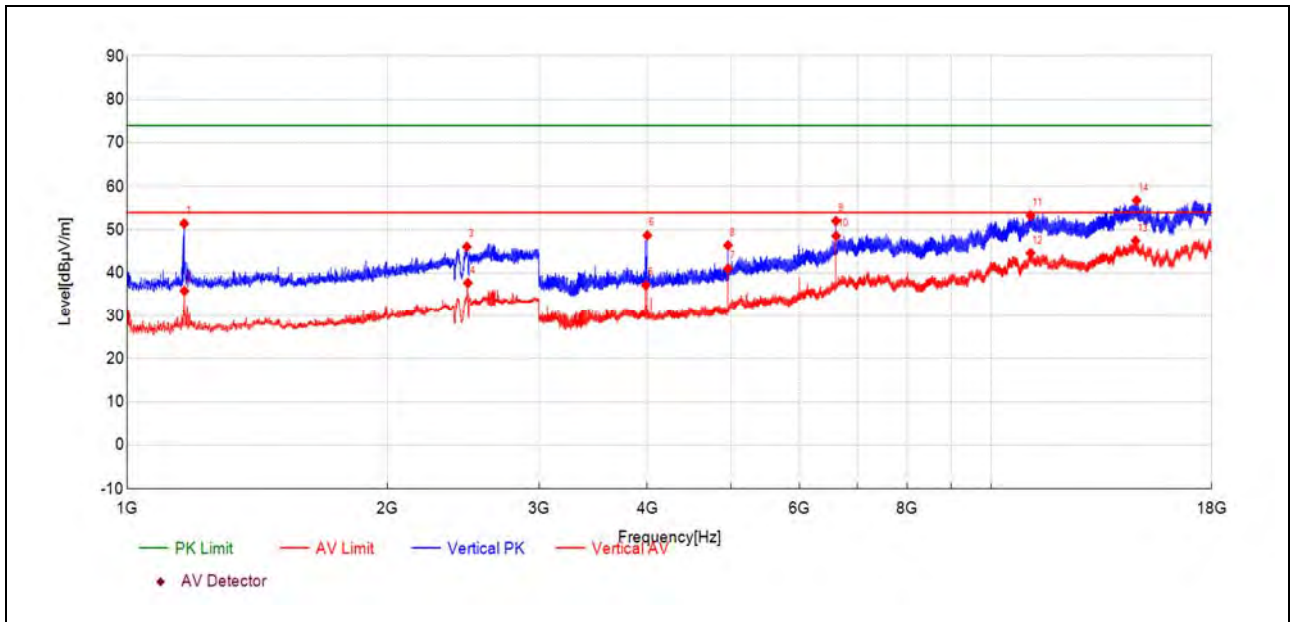
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1511.70	42.6	42.07	-0.550	74.00	31.93	150	351	PK	PASS
1512.50	36.1	35.56	-0.560	54.00	18.44	150	351	AV	PASS
3354.44	53.9	43.51	-10.400	74.00	30.49	150	9	PK	PASS
3354.44	50.4	39.96	-10.400	54.00	14.04	150	358	AV	PASS
4959.91	51.0	46.34	-4.610	74.00	27.66	150	131	PK	PASS
4960.34	45.9	41.26	-4.610	54.00	12.74	150	118	AV	PASS
6613.39	46.6	49.93	3.310	74.00	24.07	150	131	PK	PASS
6613.82	43.9	47.19	3.330	54.00	6.81	150	146	AV	PASS
11104.95	30.7	44.72	14.060	54.00	9.28	150	186	AV	PASS
11161.95	40.2	53.94	13.710	74.00	20.06	150	64	PK	PASS
14676.76	27.4	47.97	20.540	54.00	6.03	150	118	AV	PASS
14697.33	35.9	56.45	20.600	74.00	17.55	150	252	PK	PASS
1511.70	42.6	42.07	-0.550	74.00	31.93	150	351	PK	PASS
1512.50	36.1	35.56	-0.560	54.00	18.44	150	351	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
31.16	63.1	32.46	-30.670	40.00	7.54	150	37	PK	PASS
72.15	62.9	31.36	-31.500	40.00	8.64	150	79	PK	PASS
144.08	57.1	25.78	-31.280	43.50	17.72	150	155	PK	PASS
278.72	61.2	34.92	-26.280	46.00	11.08	150	316	PK	PASS
499.50	48.8	28.40	-20.420	46.00	17.60	150	351	PK	PASS
687.11	42.0	25.76	-16.280	46.00	20.24	150	51	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
1164.83	53.2	51.47	-1.700	74.00	22.53	150	121	PK	PASS
1165.23	37.6	35.85	-1.700	54.00	18.15	150	121	AV	PASS
2473.09	40.2	46.09	5.910	74.00	27.91	150	159	PK	PASS
2480.30	31.8	37.72	5.890	54.00	16.28	150	88	AV	PASS
3985.74	45.2	37.16	-8.040	54.00	16.84	150	117	AV	PASS
4000.31	56.9	48.72	-8.150	74.00	25.28	150	105	PK	PASS
4959.91	45.7	41.05	-4.610	54.00	12.95	150	307	AV	PASS
4960.34	51.1	46.44	-4.610	74.00	27.56	150	279	PK	PASS
6613.39	48.8	52.06	3.310	74.00	21.94	150	145	PK	PASS
6613.82	45.3	48.59	3.330	54.00	5.41	150	145	AV	PASS
11107.52	39.3	53.34	14.030	74.00	20.66	150	105	PK	PASS
11107.95	30.6	44.63	14.030	54.00	9.37	150	199	AV	PASS
14690.05	26.9	47.49	20.570	54.00	6.51	150	64	AV	PASS
14736.76	36.5	56.82	20.280	74.00	17.18	150	279	PK	PASS

END OF REPORT