



# TEST REPORT

**APPLICANT** : BLU Products, Inc.  
**PRODUCT NAME** : Smart Phone  
**MODEL NAME** : G71L  
**BRAND NAME** : BLU  
**FCC ID** : YHLBLUG71L  
**STANDARD(S)** : 47 CFR Part 15 Subpart C  
**RECEIPT DATE** : 2021-12-27  
**TEST DATE** : 2021-12-31 to 2022-01-23  
**ISSUE DATE** : 2022-01-24

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Shen Junsheng (Supervisor)

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# DIRECTORY

- 1. Technical Information ..... 3**
- 1.1. Applicant and Manufacturer Information ..... 3**
- 1.2. Equipment Under Test (EUT) Description ..... 3**
- 1.3. Modulation Type and Data Rate of EUT ..... 4**
- 1.4. The Channel Number and Frequency ..... 5**
- 1.5. Test Standards and Results ..... 6**
- 1.6. Environmental Conditions ..... 7**
- 2. 47 CFR Part 15C Requirements ..... 8**
- 2.1. Antenna Requirement ..... 8**
- 2.2. Duty Cycle of Test Signal ..... 9**
- 2.3. Maximum Peak and Average Conducted Output Power ..... 12**
- 2.4. Bandwidth ..... 15**
- 2.5. Conducted Spurious Emissions and Band Edge ..... 22**
- 2.6. Power Spectral Density ..... 32**
- 2.7. Conducted Emission ..... 39**
- 2.8. Restricted Frequency Bands ..... 43**
- 2.9. Radiated Emission ..... 51**
- Annex A Test Uncertainty ..... 109**
- Annex B Testing Laboratory Information ..... 110**

Change History		
Version	Date	Reason for change
1.0	2022-01-24	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	BLU Products, Inc.
<b>Applicant Address:</b>	10814 NW 33rd St # 100 Doral, FL 33172,USA
<b>Manufacturer:</b>	BLU Products, Inc.
<b>Manufacturer Address:</b>	10814 NW 33rd St # 100 Doral, FL 33172,USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Smart Phone	
<b>Sample No.:</b>	6#	
<b>Hardware Version:</b>	V4.0	
<b>Software Version:</b>	BLU_G0710WW_V11.0.01.01_GENERIC 16-12-2021 01:35	
<b>Modulation Technology:</b>	DSSS, OFDM	
<b>Modulation Type:</b>	Refer to section1.3	
<b>Operating Frequency Range:</b>	802.11b/g/n (HT20): 2412MHz–2472MHz	
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	0.5dBi	
<b>Accessory Information:</b>	Battery	
	<b>Brand Name:</b>	BLU
	<b>Model No.:</b>	C886450500P
	<b>Serial No.:</b>	N/A
	<b>Capacity:</b>	5000mAh
	<b>Rated Voltage:</b>	3.85V
	<b>Charge Limit:</b>	4.4V
	<b>Manufacturer:</b>	Hunan Gaoyuan Battery.,Ltd



<b>Accessory Information:</b>	AC Adapter	
	Brand Name:	BLU
	Model No.:	UC-CR-2000
	Serial No.:	N/A
	Rated Output:	5.0V $\pm$ 2A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.3A
	Manufacturer:	Shenzhen BaiJunda Electronics Co., Ltd.

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

**Note 2:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

### 1.3. Modulation Type and Data Rate of EUT

Modulation technology	Modulation Type	Data Rate (Mbps) <sup>Note1</sup>
DSSS (802.11b)	DBPSK	<b>1</b>
	DQPSK	2
	CCK	5.5/ 11
OFDM (802.11g)	BPSK	<b>6 / 9</b>
	QPSK	12 / 18
	16QAM	24 / 36
	64QAM	48 / 54
OFDM (802.11n (HT20))	BPSK	<b>6.5</b>
	QPSK	13/19.5
	16QAM	26/39
	64QAM	52/58.5/65

**Note1:** The worst-case mode (bold face) in all data rates has been determined during the pre-scan, only the test data of the worst-case were recorded in this report.



### 1.4. The Channel Number and Frequency

Test Mode	Channel	Frequency (MHz)	Channel	Frequency (MHz)
802.11b/g/n (HT20)	<b>1</b>	<b>2412</b>	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	<b>13</b>	<b>2472</b>
	<b>7</b>	<b>2442</b>		

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



## 1.5. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

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	Jan 04, 2022	Meng Shurui	PASS	No deviation
3	15.247(b)	Maximum Peak and Average Conducted Output Power	Jan 04, 2022	Meng Shurui	PASS	No deviation
4	15.247(a)	Bandwidth	Jan 05, 2022	Meng Shurui	PASS	No deviation
5	15.247(d)	Conducted Spurious Emission and Band Edge	Jan 05, 2022	Meng Shurui	PASS	No deviation
6	15.247(e)	Power Spectral Density	Jan 05, 2022	Meng Shurui	PASS	No deviation
7	15.207	Conducted Emission	Dec 31, 2021	Yang Lian	PASS	No deviation
8	15.247(d)	Restricted Frequency Bands	Jan 12&19, 2022	Yin Xiaogang	PASS	No deviation
9	15.209, 15.247(d)	Radiated Emission	Jan 18&23, 2022	Lin Jiayong	PASS	No deviation

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

**Note 2:** The path loss during the RF test is calibrated to correct the results by the offset setting



in the test equipments. The ref offset 11.0dB contains two parts that cable loss 1.0dB and Attenuator 10dB.

**Note 3:** 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 4:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

## 1.6. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

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



## 2. 47 CFR Part 15C Requirements

### 2.1. Antenna Requirement

#### 2.1.1. Applicable Standard

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.

#### 2.1.2. Test Result: Compliant

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



## 2.2. Duty Cycle of Test Signal

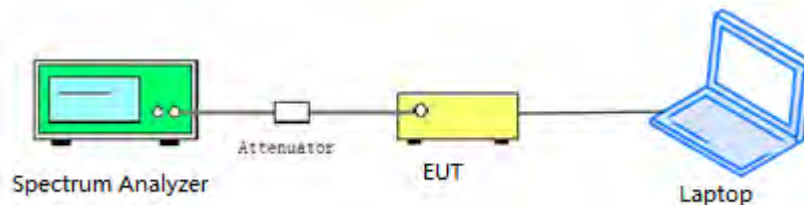
### 2.2.1. Requirement

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 subclause, 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 nonconstant.

### 2.2.2. Test Description

#### Test Setup:



ANSI C63.10 2013 Clause 11.6 was used in order to prove compliance.

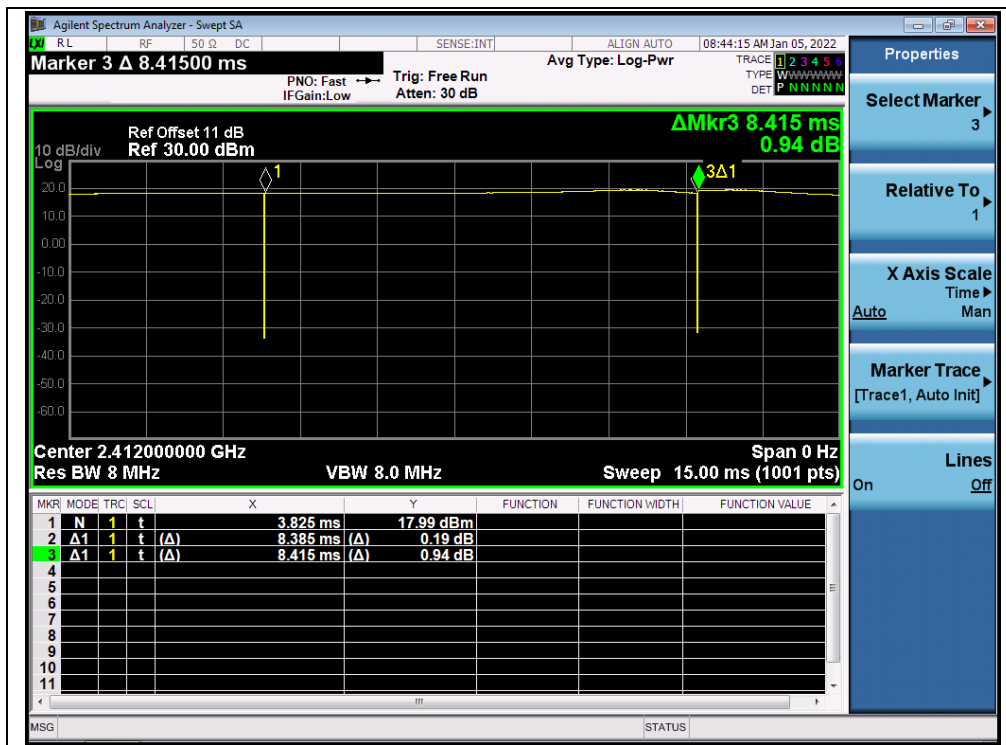


2.2.3. Test Result

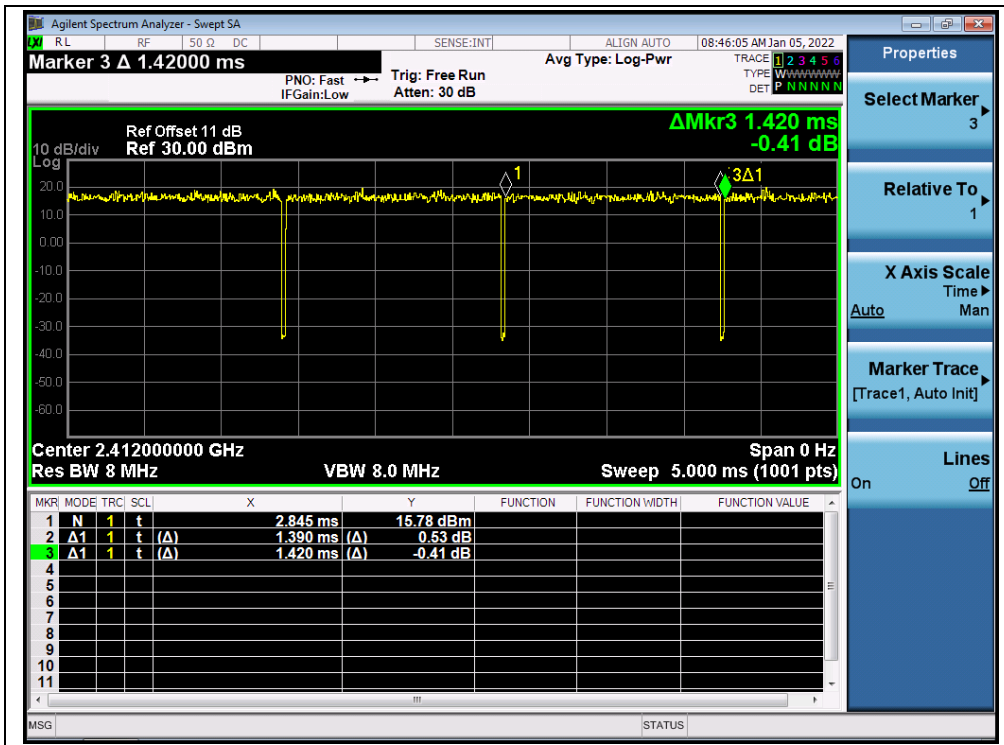
A. Test Verdict:

Test Mode	Duty Cycle (%) (D)	Duty Factor (10*Ig[1/D])
802.11b	99.64	0.02
802.11g	97.89	0.09
802.11n (HT20)	97.52	0.11

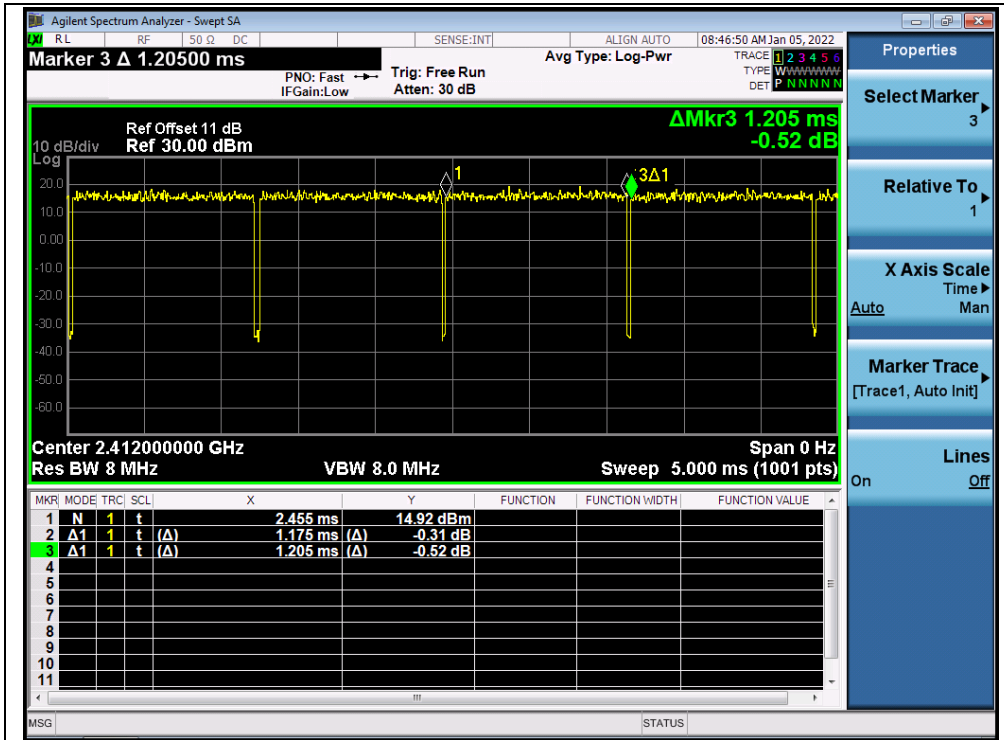
B. Test Plot:



(Channel 1, 802.11b)



(Channel 1, 802.11g)



(Channel 1, 802.11n (HT20))

## 2.3. Maximum Peak and Average Conducted Output Power

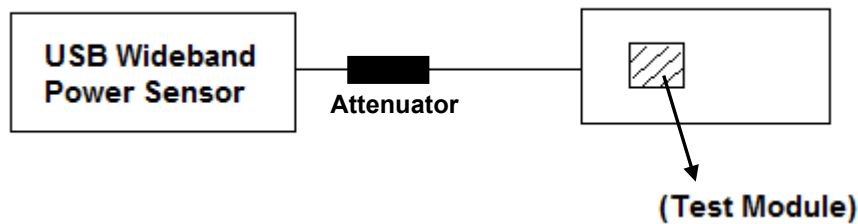
### 2.3.1. Requirement

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.

### 2.3.2. Test Description

The measured output power was calculated by the reading of the USB Wideband Power Sensor and calibration.

#### Test Setup:



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



### 2.3.3. Test Result

#### Maximum Peak Conducted Output Power

##### 802.11b Mode

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	15.28	0.034	30	1	PASS
7	2442	15.82	0.038			PASS
13	2472	16.31	0.043			PASS

##### 802.11g Mode

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	19.91	0.098	30	1	PASS
7	2442	<b>20.74</b>	<b>0.119</b>			PASS
13	2472	20.55	0.114			PASS

##### 802.11n (HT20) Mode

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	19.66	0.092	30	1	PASS
7	2442	20.15	0.104			PASS
13	2472	20.46	0.111			PASS



**Maximum Average Conducted Output Power**

**802.11b Mode**

Channel	Frequency (MHz)	Average Power				Limit		Verdict
		Measured	Duty Factor	Duty Factor Calculated		dBm	W	
		dBm		dBm	W			
1	2412	12.25	0.02	12.27	0.017	30	1	PASS
7	2442	12.68		12.70	0.019			PASS
13	2472	13.33		<b>13.35</b>	<b>0.022</b>			PASS

**802.11g Mode**

Channel	Frequency (MHz)	Average Power				Limit		Verdict
		Measured	Duty Factor	Duty Factor Calculated		dBm	W	
		dBm		dBm	W			
1	2412	11.22	0.09	11.31	0.014	30	1	PASS
7	2442	11.92		12.01	0.016			PASS
13	2472	12.71		12.80	0.019			PASS

**802.11n (HT20) Mode**

Channel	Frequency (MHz)	Average Power				Limit		Verdict
		Measured	Duty Factor	Duty Factor Calculated		dBm	W	
		dBm		dBm	W			
1	2412	10.59	0.11	10.70	0.012	30	1	PASS
7	2442	11.25		11.36	0.014			PASS
13	2472	12.23		12.34	0.017			PASS

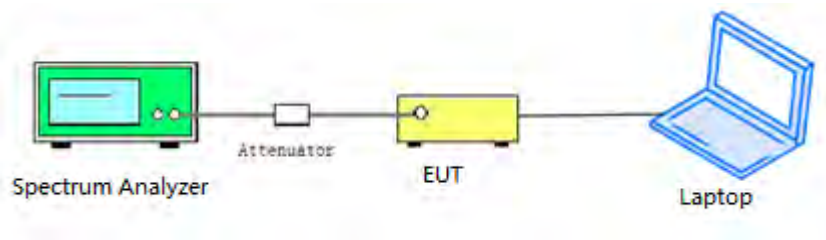
## 2.4. Bandwidth

### 2.4.1. Requirement

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

### 2.4.2. Test Description

#### Test Setup:



The EUT is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

### 2.4.3. Test Procedure

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



2.4.4. Test Result

802.11b Mode

A. Test Verdict:

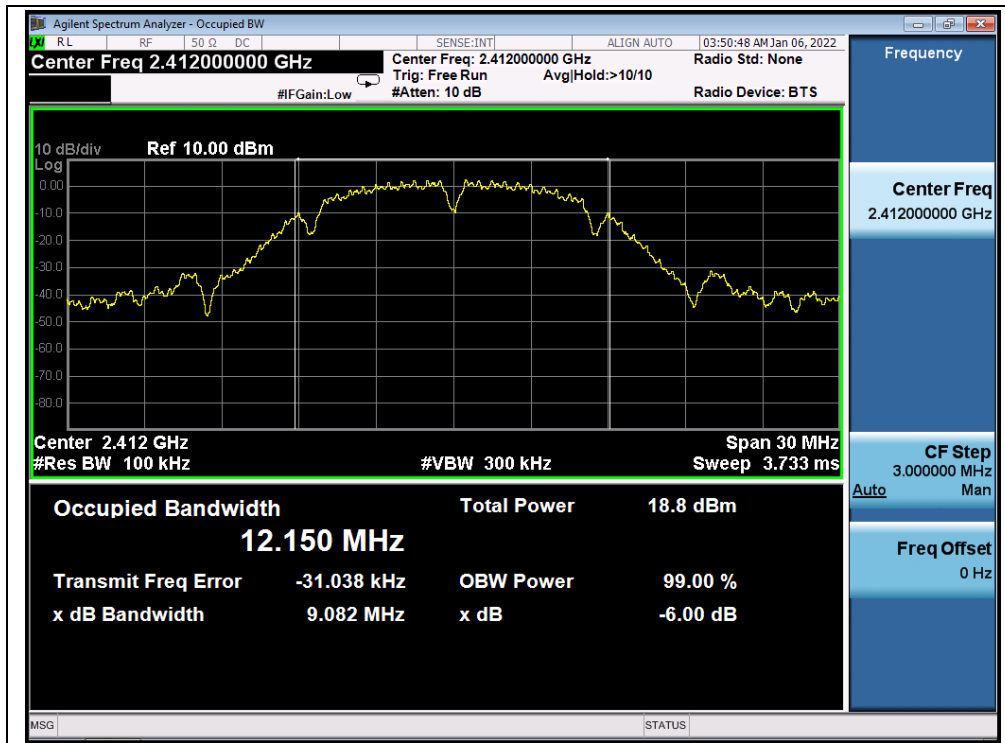
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits(kHz)	Result
1	2412	9.082	≥500	PASS
7	2442	9.082	≥500	PASS
13	2472	9.061	≥500	PASS

B. Test Plot:

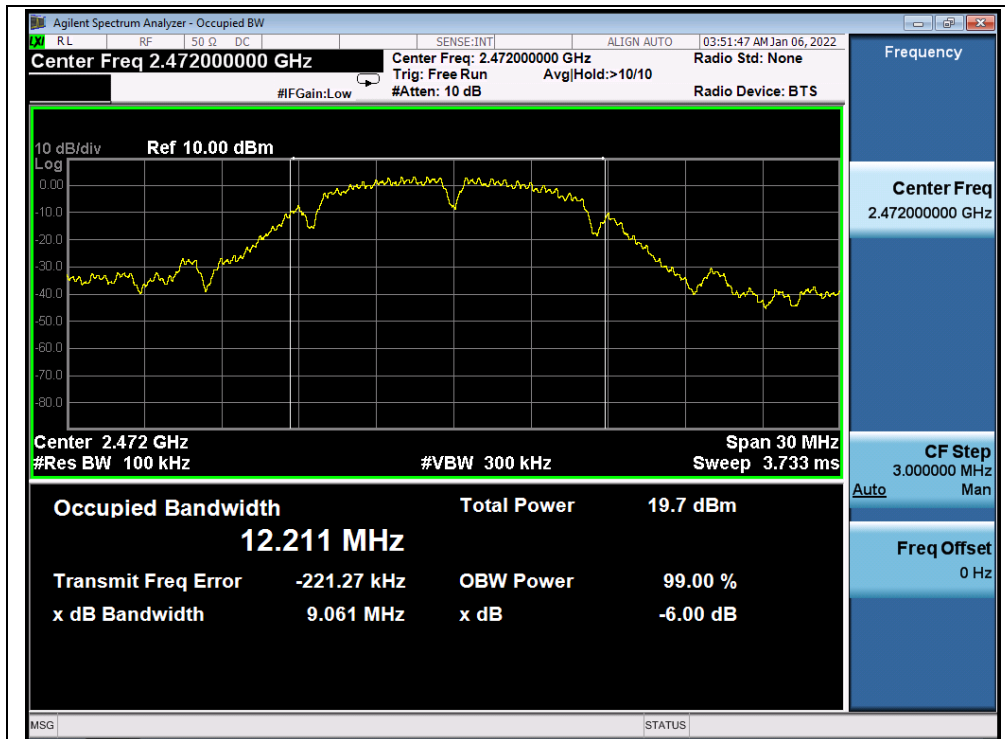


(Channel 1, 802.11b)





(Channel 7, 802.11b)



(Channel 13, 802.11b)

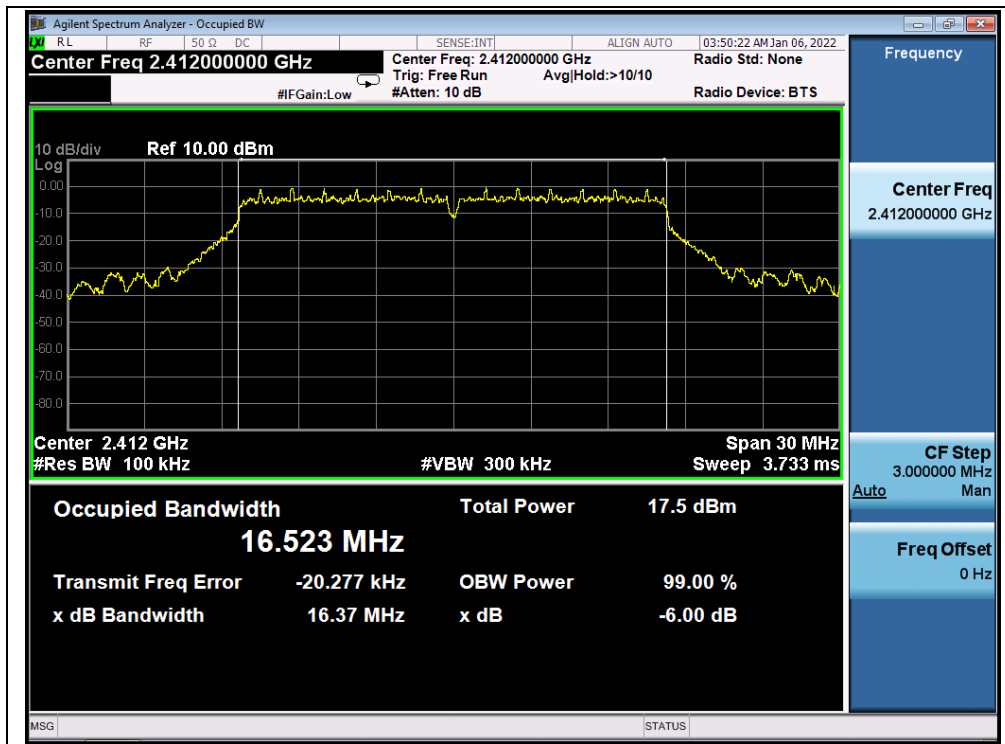


802.11g Mode

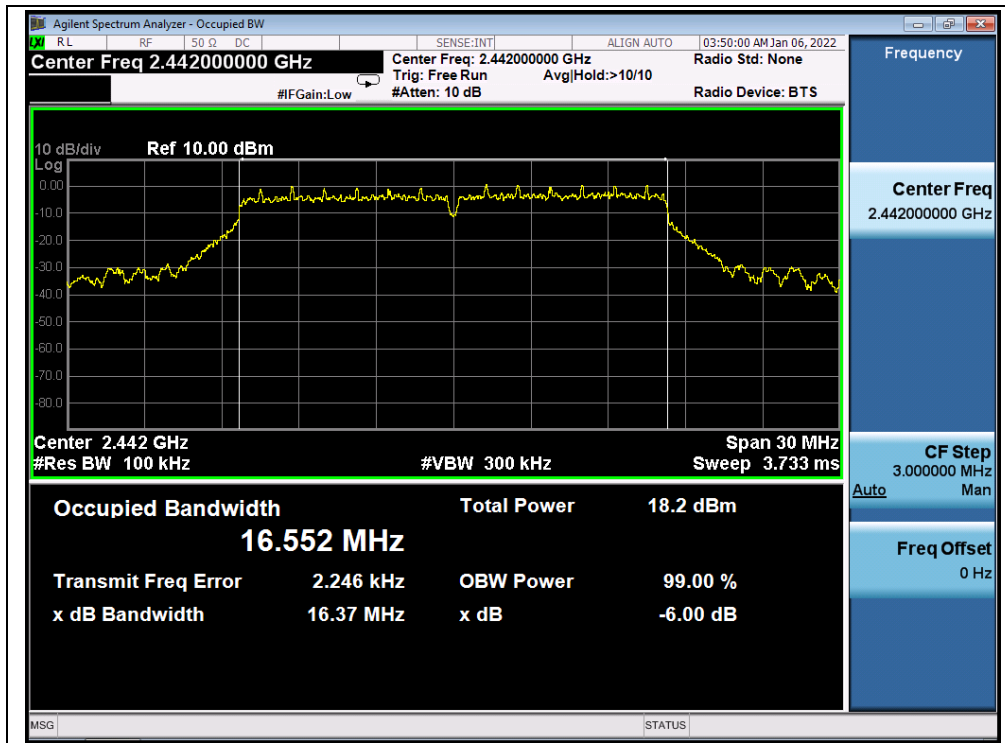
A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits(kHz)	Result
1	2412	16.37	≥500	PASS
7	2442	16.37	≥500	PASS
13	2472	15.78	≥500	PASS

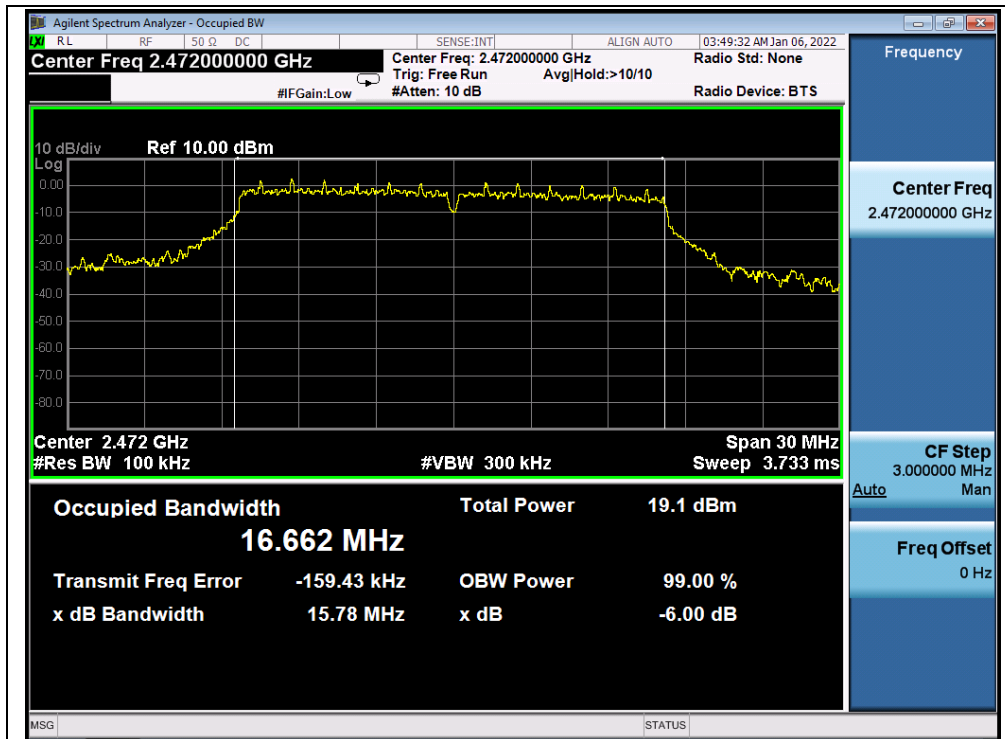
B. Test Plot:



(Channel 1, 802.11g)



(Channel 7, 802.11g)



(Channel 13, 802.11g)

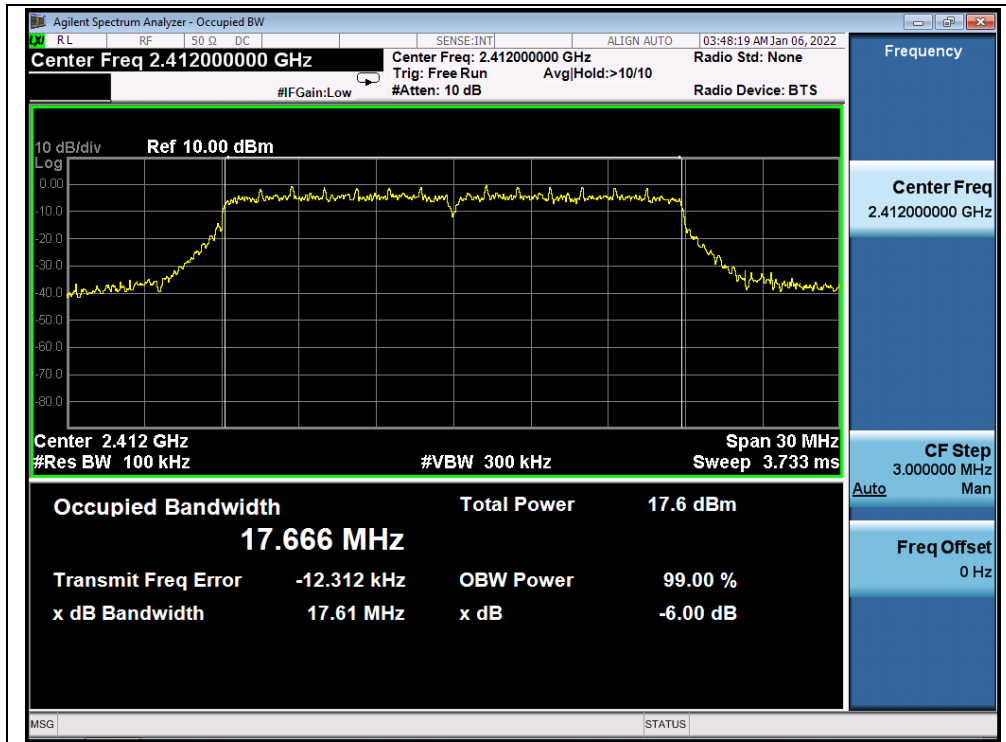


**802.11n (HT20) Mode**

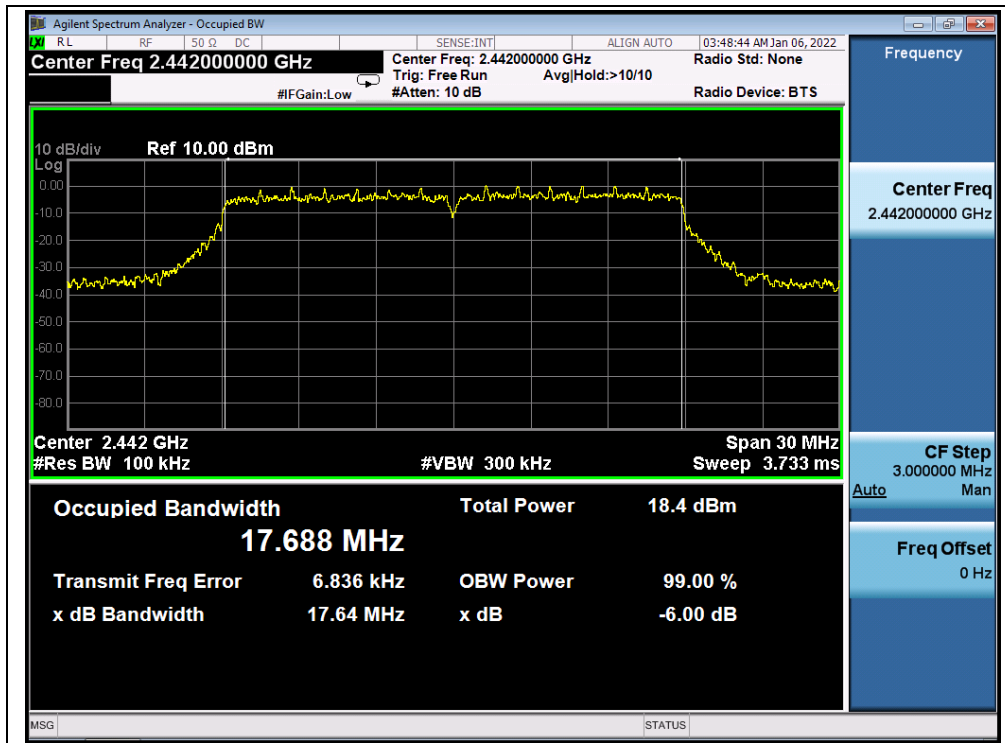
**A. Test Verdict:**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits(kHz)	Result
1	2412	17.61	≥500	PASS
7	2442	17.64	≥500	PASS
13	2472	16.94	≥500	PASS

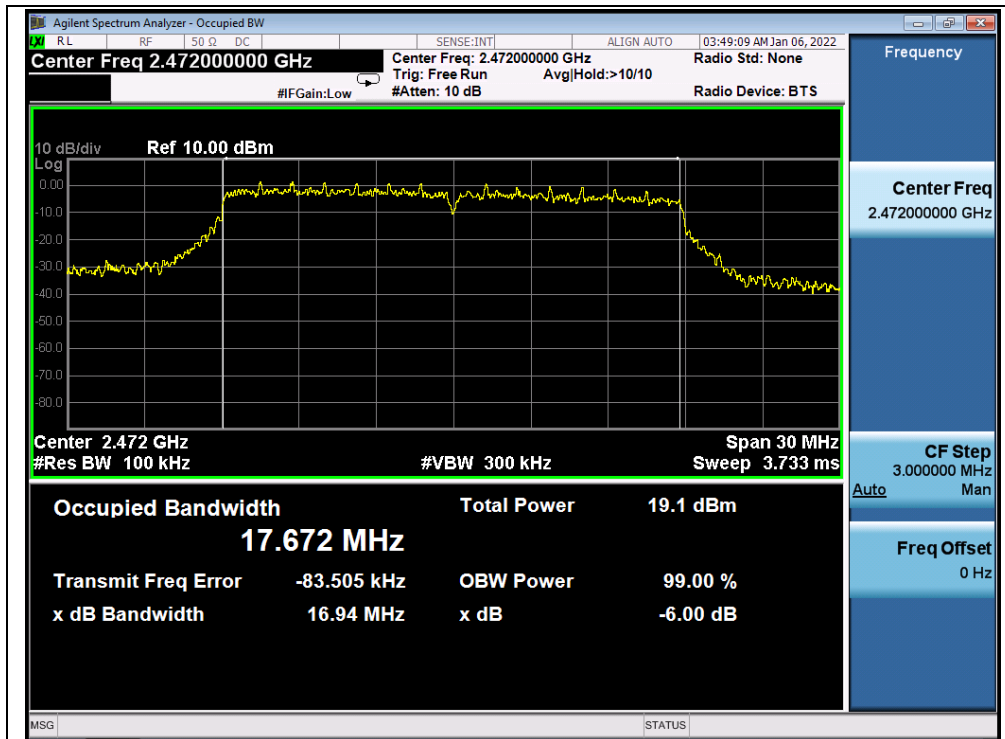
**B. Test Plot:**



(Channel 1, 802.11n (HT20))



(Channel 7, 802.11n (HT20))



(Channel 13, 802.11n (HT20))

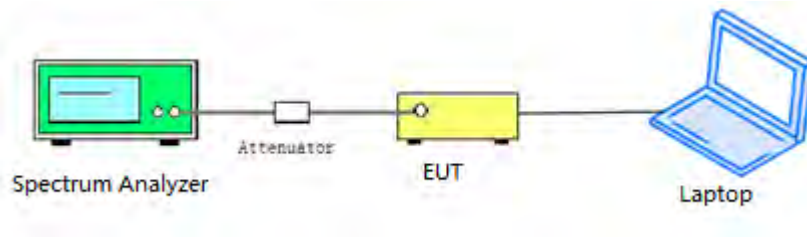
## 2.5. Conducted Spurious Emissions and Band Edge

### 2.5.1. Requirement

According to FCC section 15.247(c), 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.

### 2.5.2. Test Description

#### Test Setup:



The EUT is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

### 2.5.3. Test Procedure

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



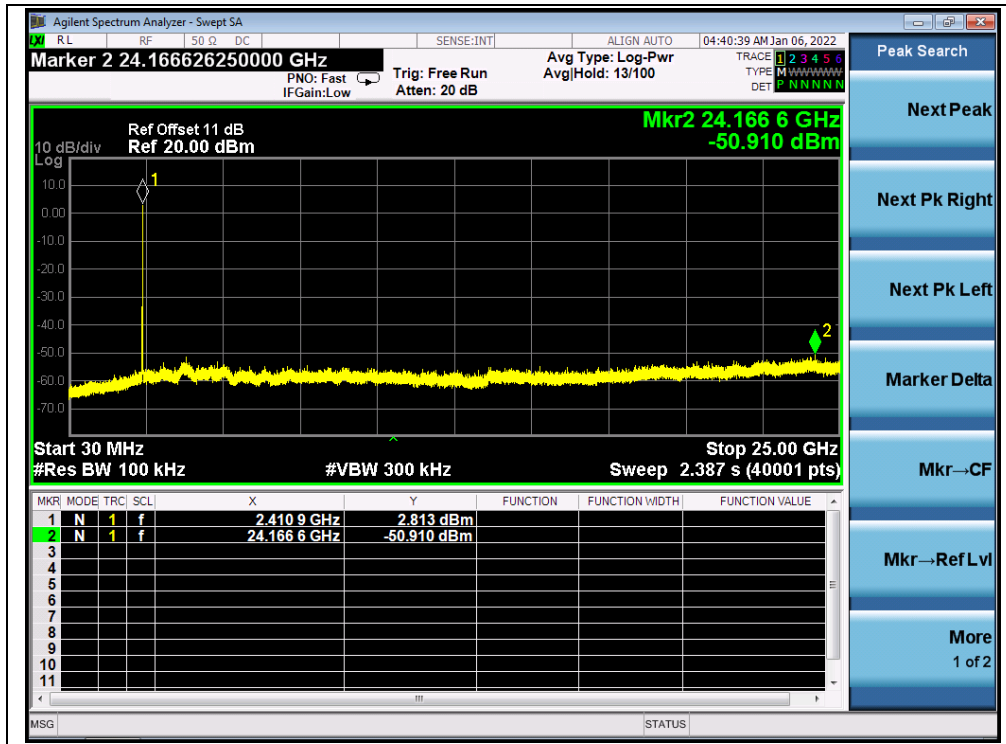
2.5.4. Test Result

802.11b Mode

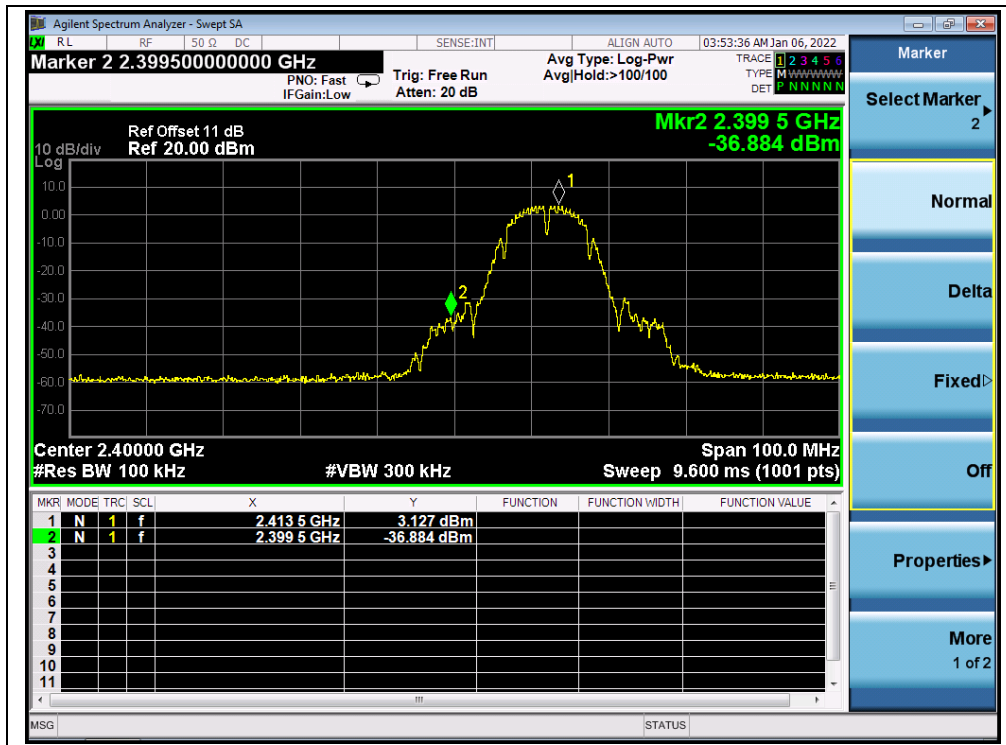
A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-50.91	2.81	-17.19	PASS
7	2442	-51.41	3.26	-16.74	PASS
13	2472	-46.89	5.15	-14.85	PASS

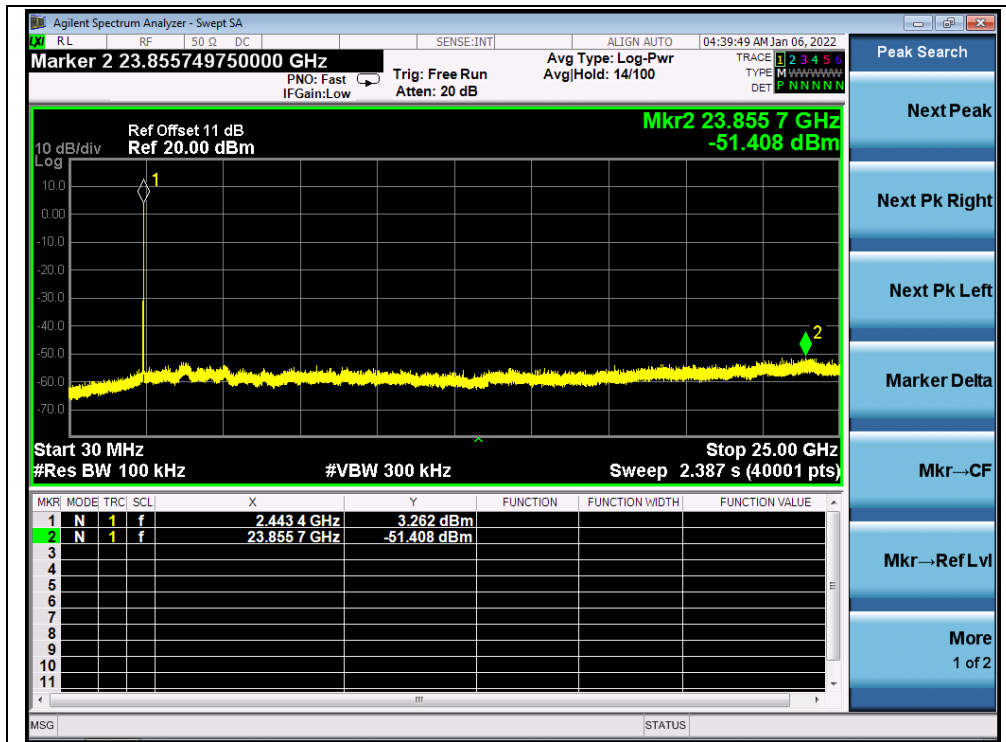
B. Test Plot:



(30MHz to 25GHz, Channel 1, 802.11b)

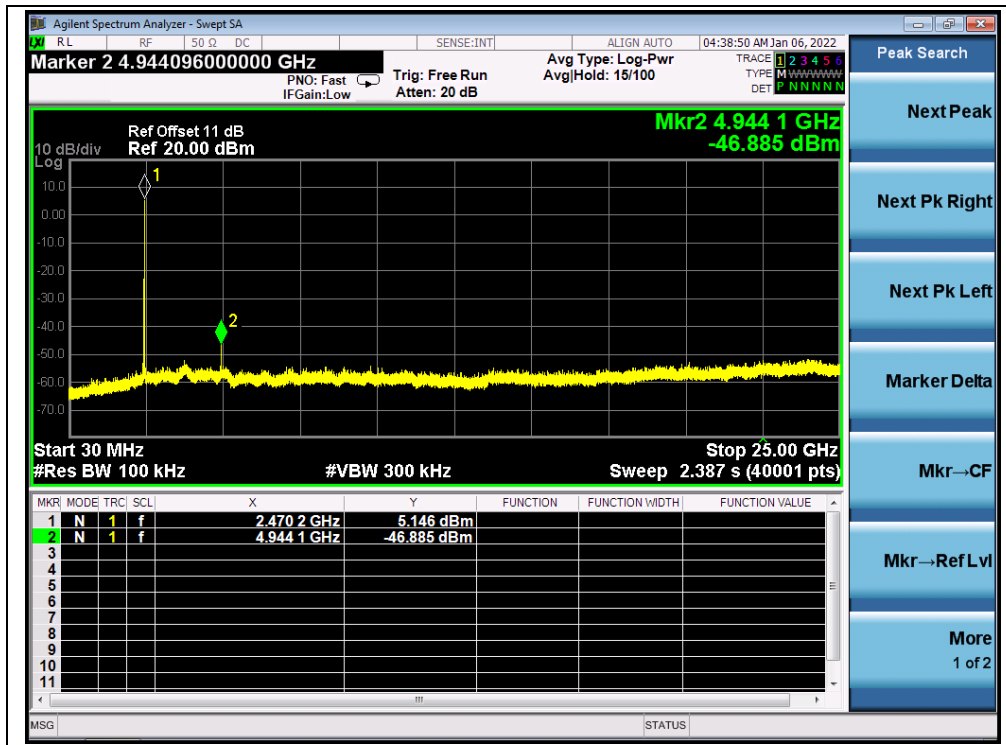


(Band Edge, Channel 1, 802.11b)

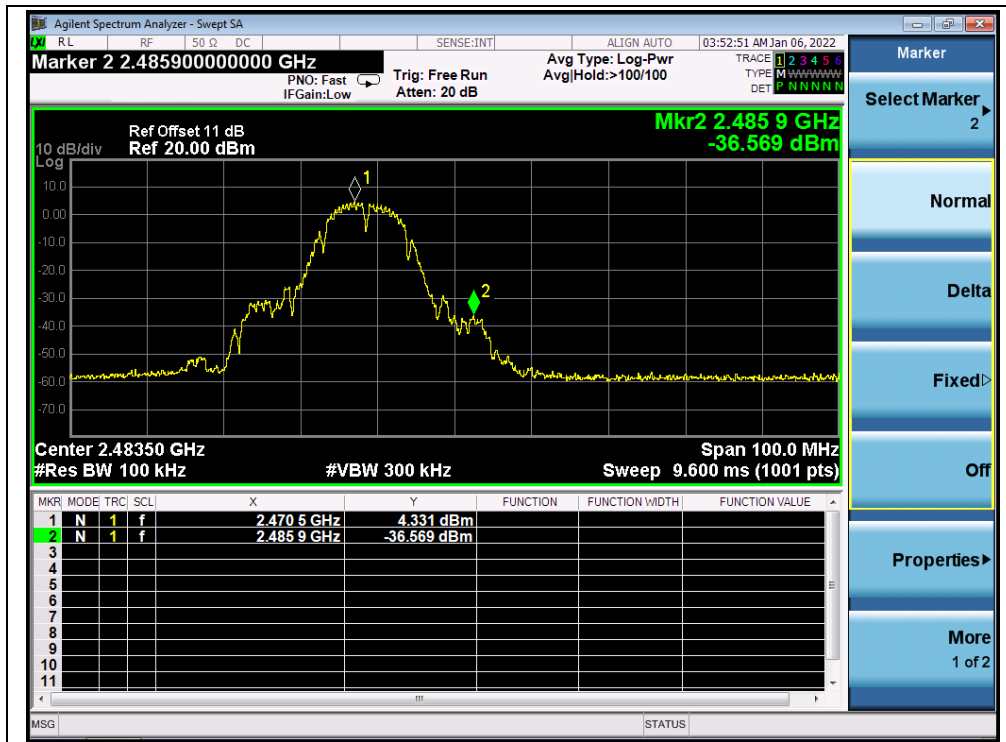


(30MHz to 25GHz, Channel 7, 802.11b)





(30MHz to 25GHz, Channel 13, 802.11b)



(Band Edge, Channel 13, 802.11b)

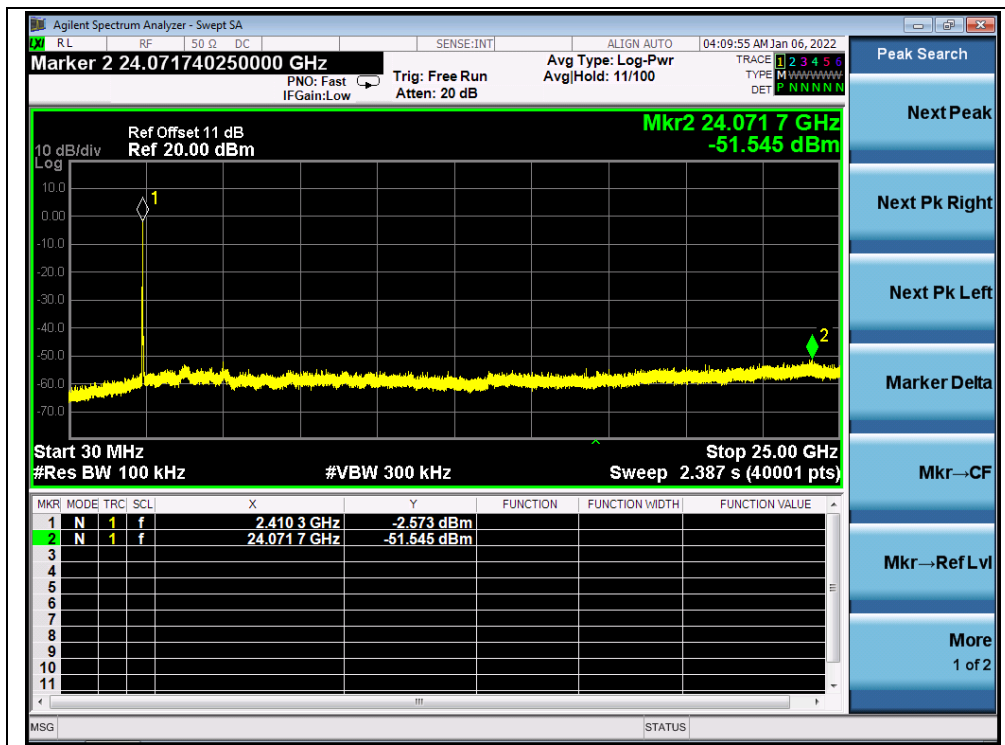


802.11g Mode

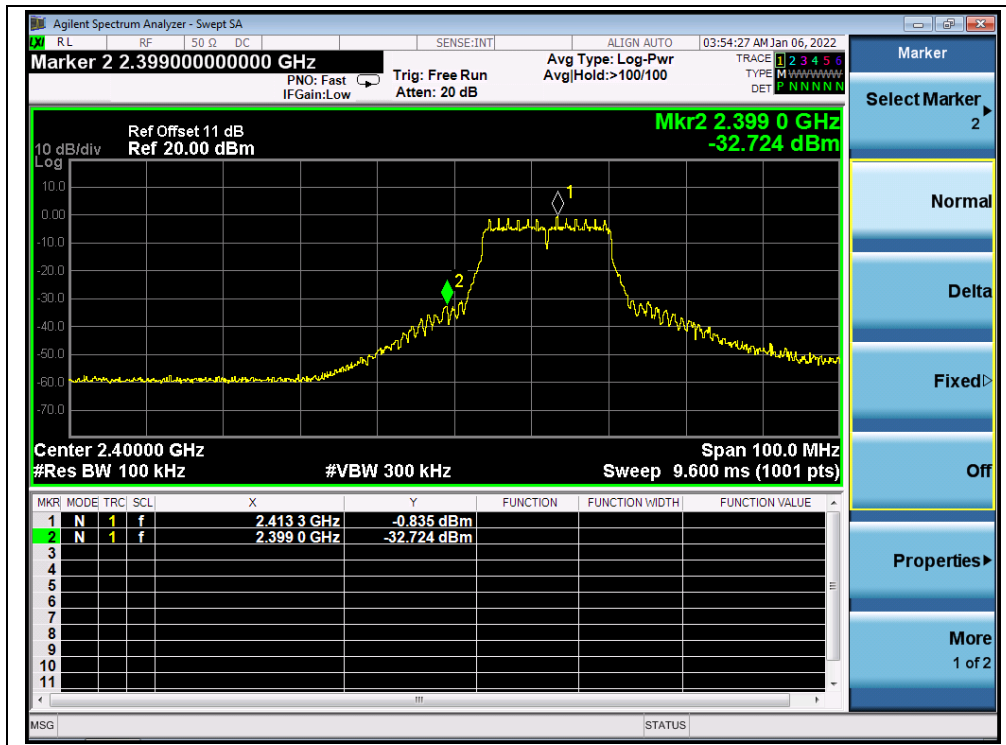
A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-51.55	-2.57	-22.57	PASS
7	2442	-52.08	1.06	-18.94	PASS
13	2472	-51.38	1.24	-18.76	PASS

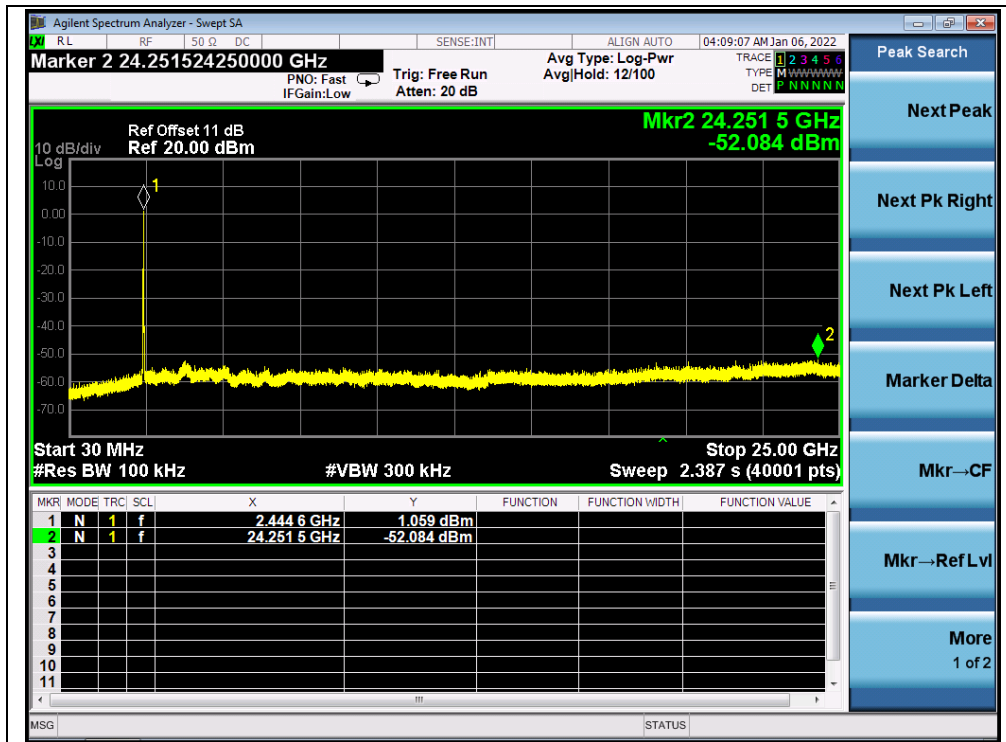
B. Test Plot:



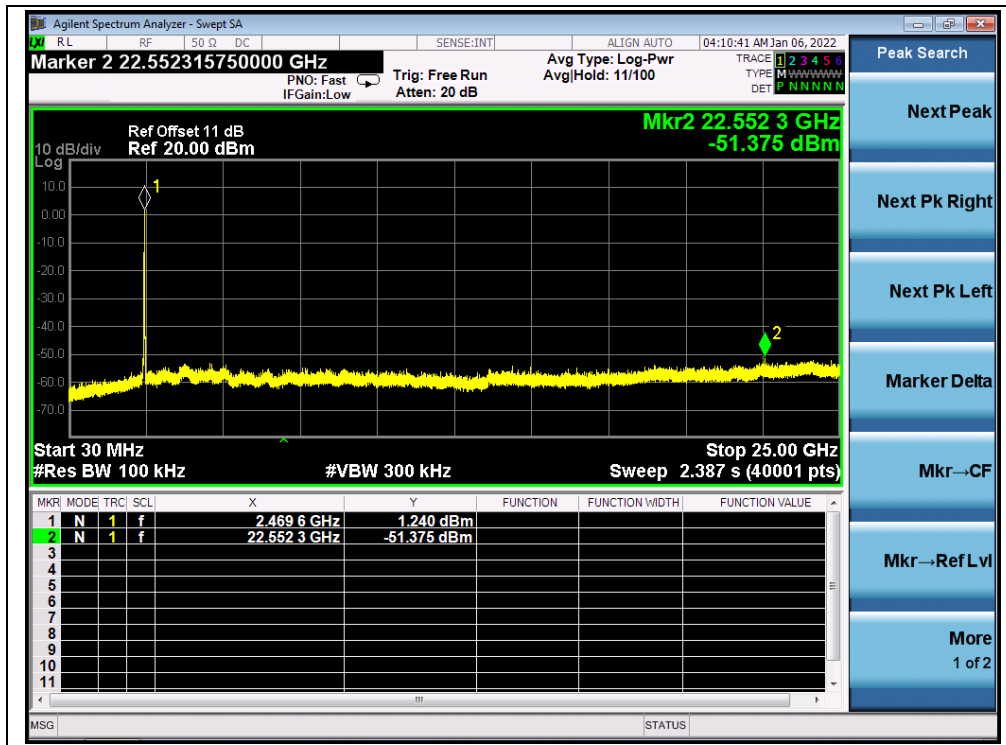
(30MHz to 25GHz, Channel 1, 802.11g)



(Band Edge, Channel 1, 802.11g)



(30MHz to 25GHz, Channel 7, 802.11g)



(30MHz to 25GHz, Channel 13, 802.11g)



(Band Edge, Channel 13, 802.11g)

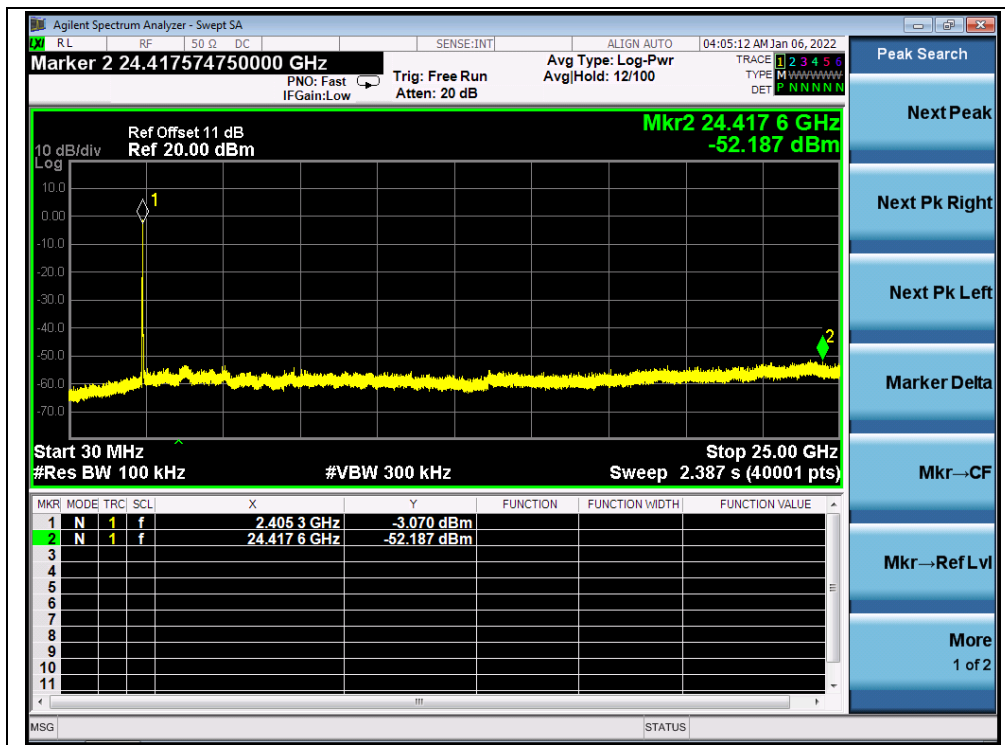


802.11n (HT20) Mode

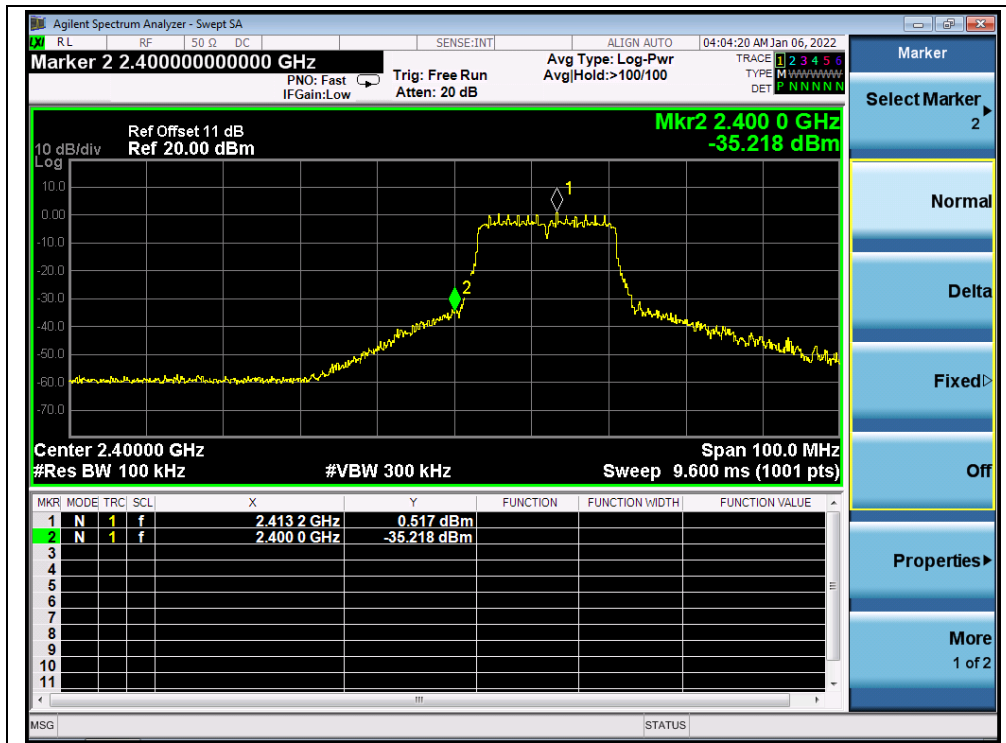
A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-52.19	-3.07	-23.07	PASS
7	2442	-50.45	0.42	-19.58	PASS
13	2472	-51.16	-0.69	-20.69	PASS

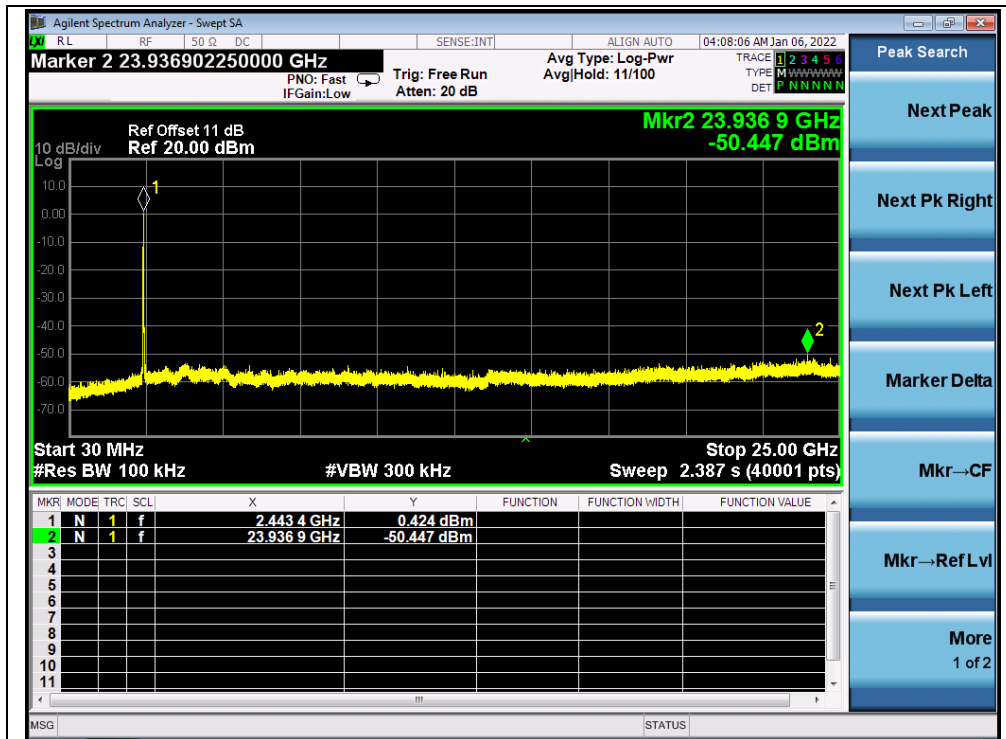
B. Test Plot:



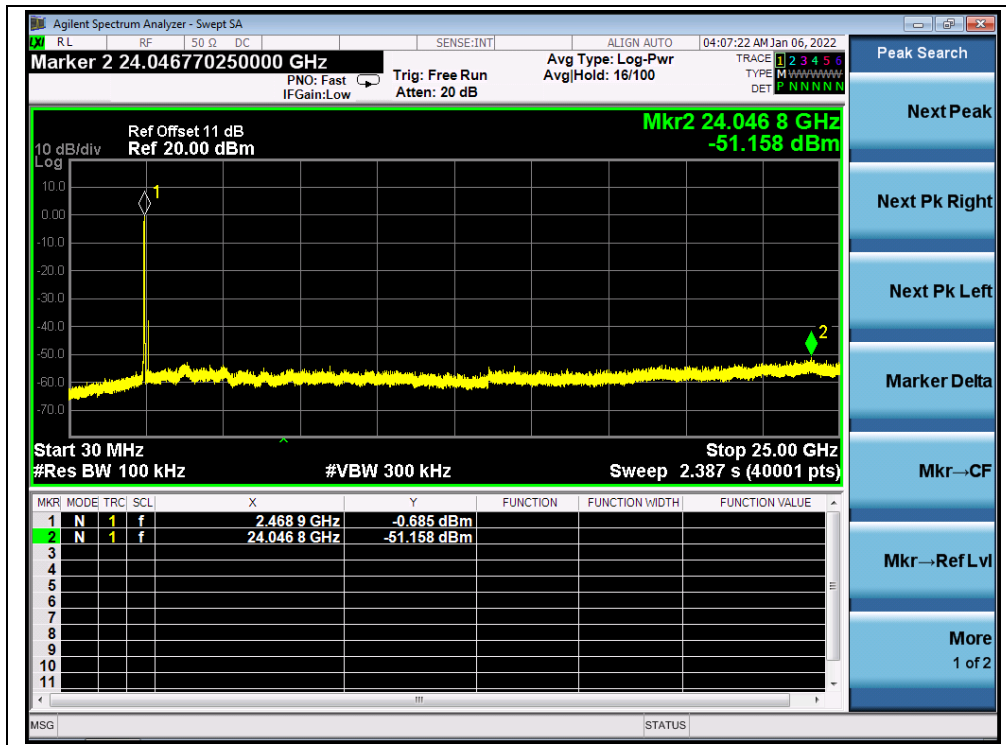
(30MHz to 25GHz, Channel 1, 802.11n (HT20))



(Band Edge, Channel 1, 802.11n (HT20))



(30MHz to 25GHz, Channel 7, 802.11n (HT20))



(30MHz to 25GHz, Channel 13, 802.11n (HT20))



(Band Edge, Channel 13, 802.11n (HT20))



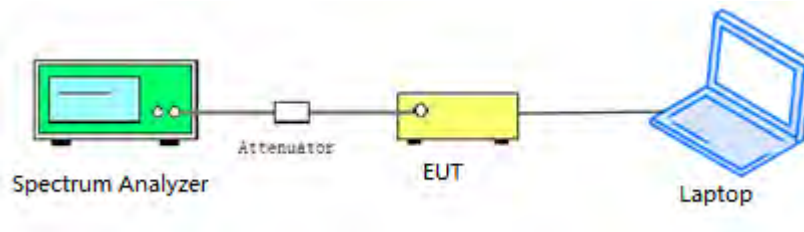
## 2.6. Power Spectral Density

### 2.6.1. Requirement

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

### 2.6.2. Test Description

#### Test Setup:



The EUT is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

### 2.6.3. Test Procedure

KDB 558074 Section 8.4 was used in order to prove compliance.





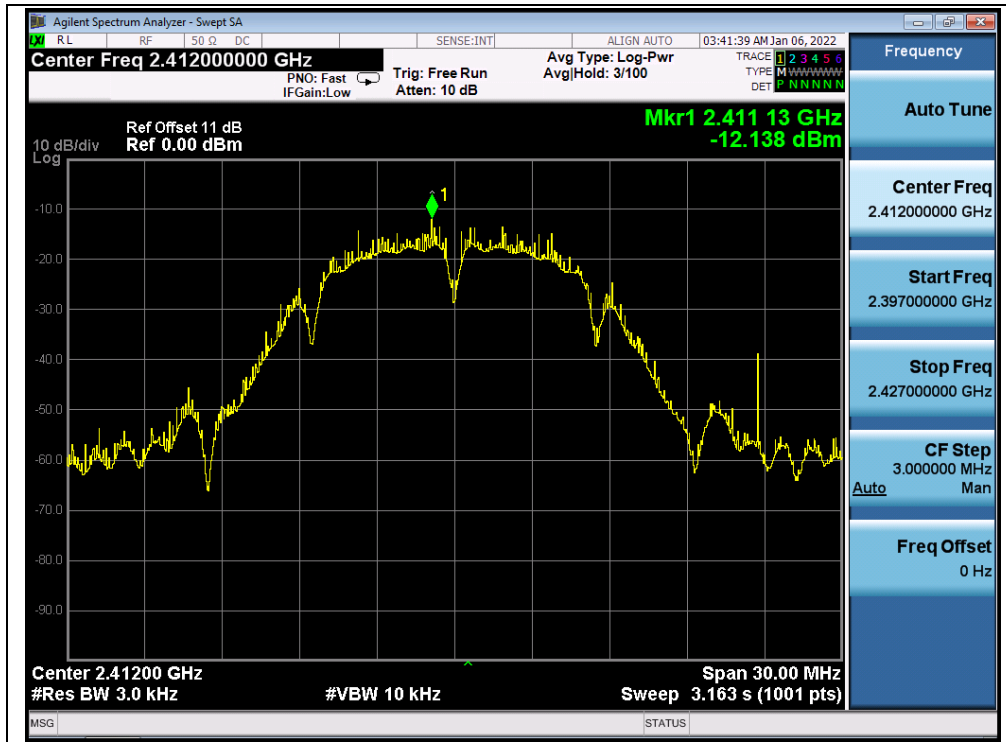
2.6.4. Test Result

802.11b Mode

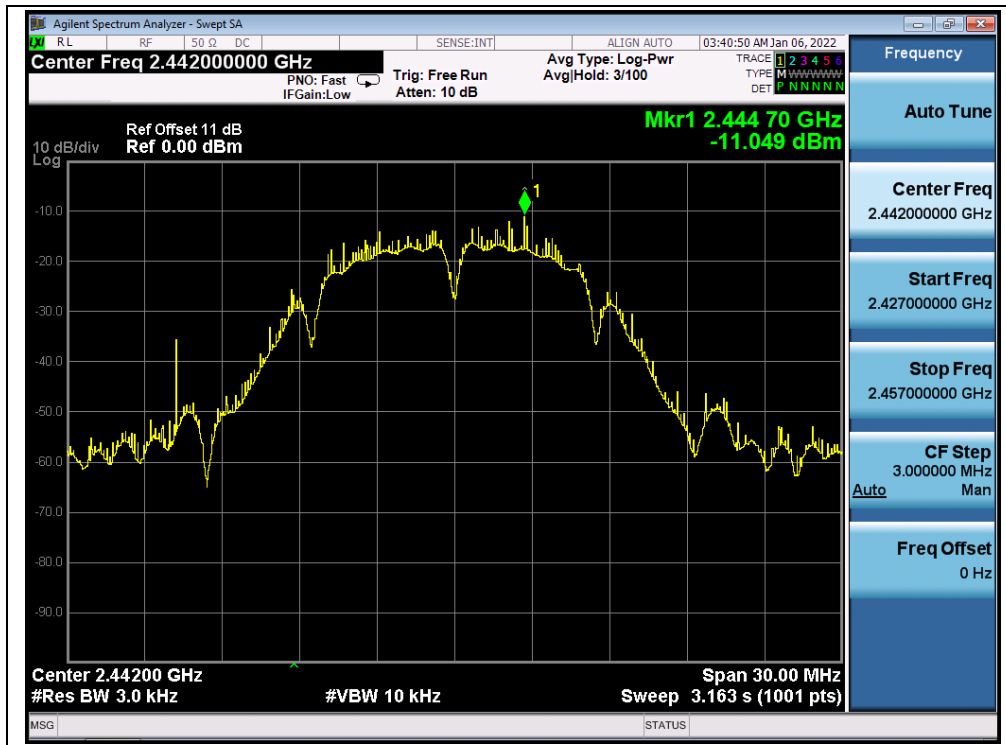
A. Test Verdict:

Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-12.14	8	PASS
7	2442	-11.05	8	PASS
13	2472	-11.86	8	PASS

B. Test Plot:



(Channel 1, 802.11b)



(Channel 7, 802.11b)



(Channel 13, 802.11b)

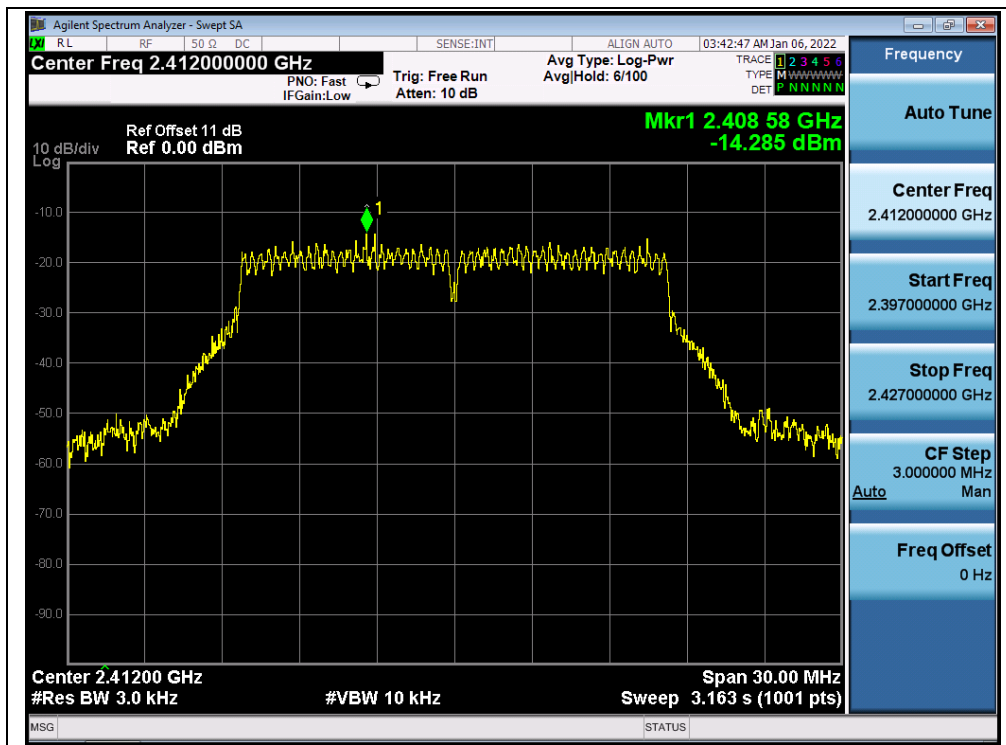


802.11g Mode

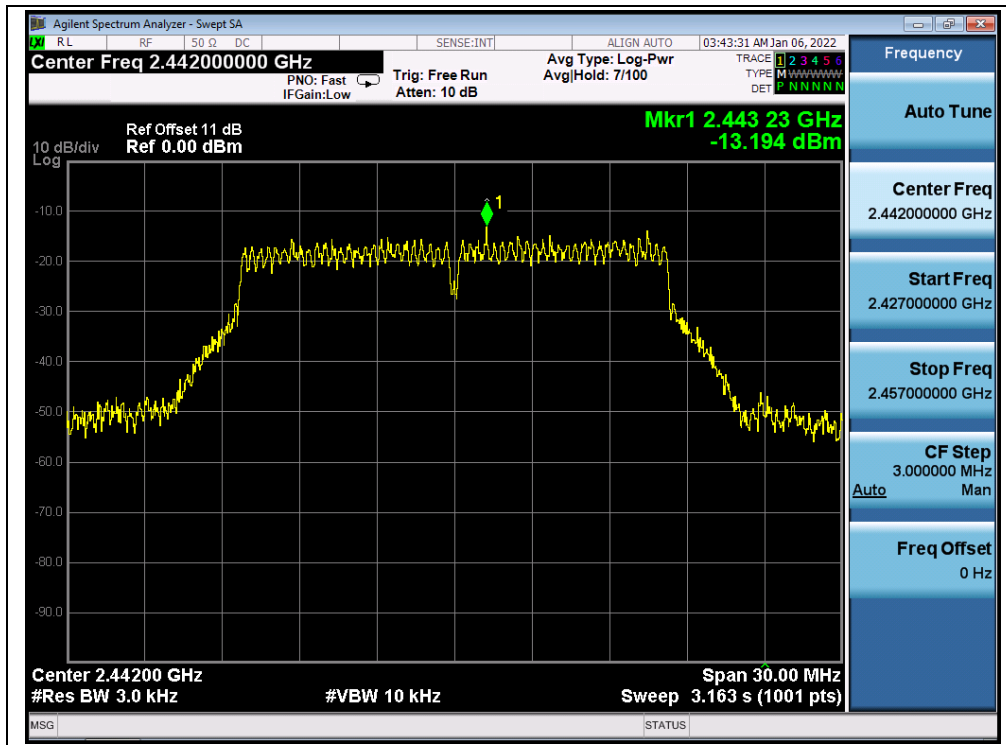
A. Test Verdict:

Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-14.29	8	PASS
7	2442	-13.19	8	PASS
13	2472	-12.08	8	PASS

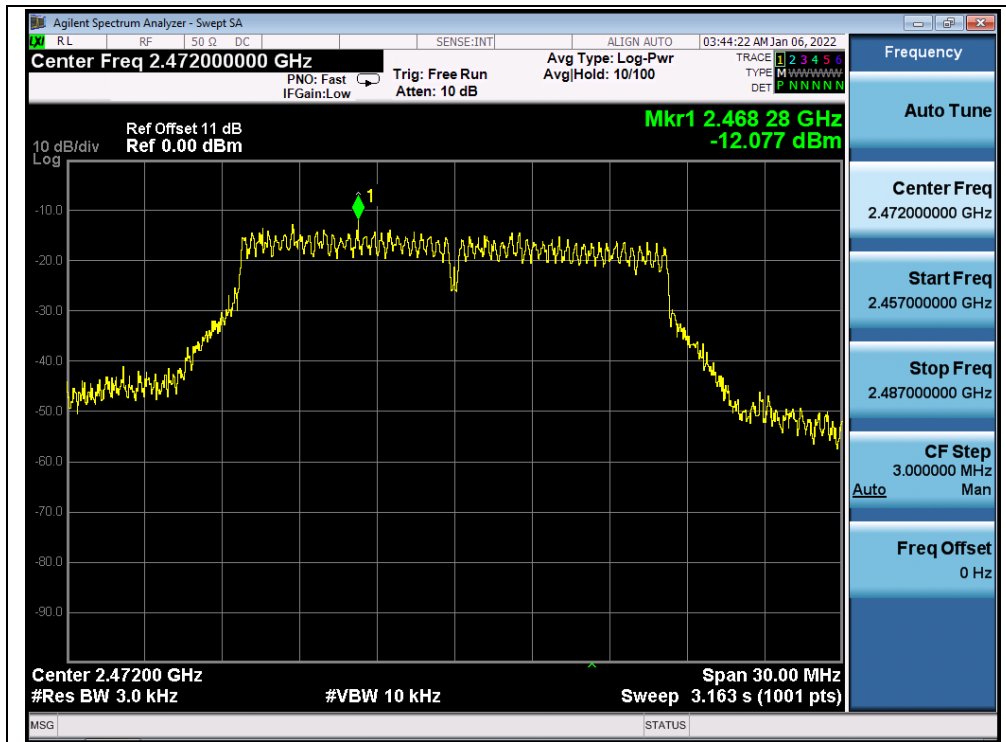
B. Test Plot:



(Channel 1, 802.11g)



(Channel 7, 802.11g)



(Channel 13, 802.11g)

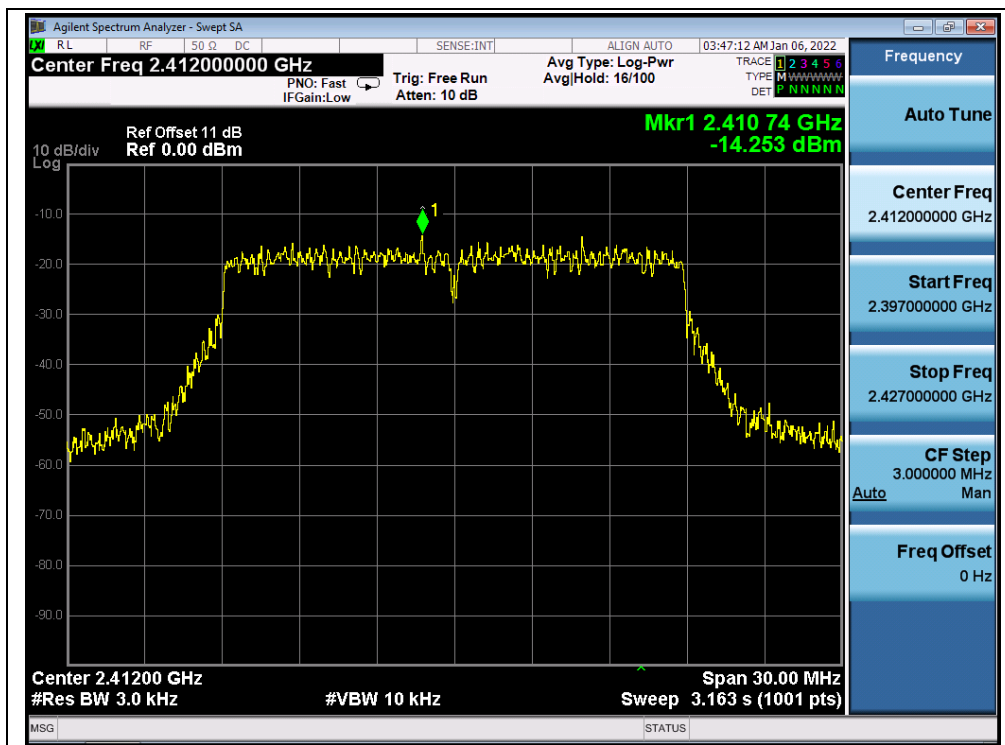


802.11n (HT20) Mode

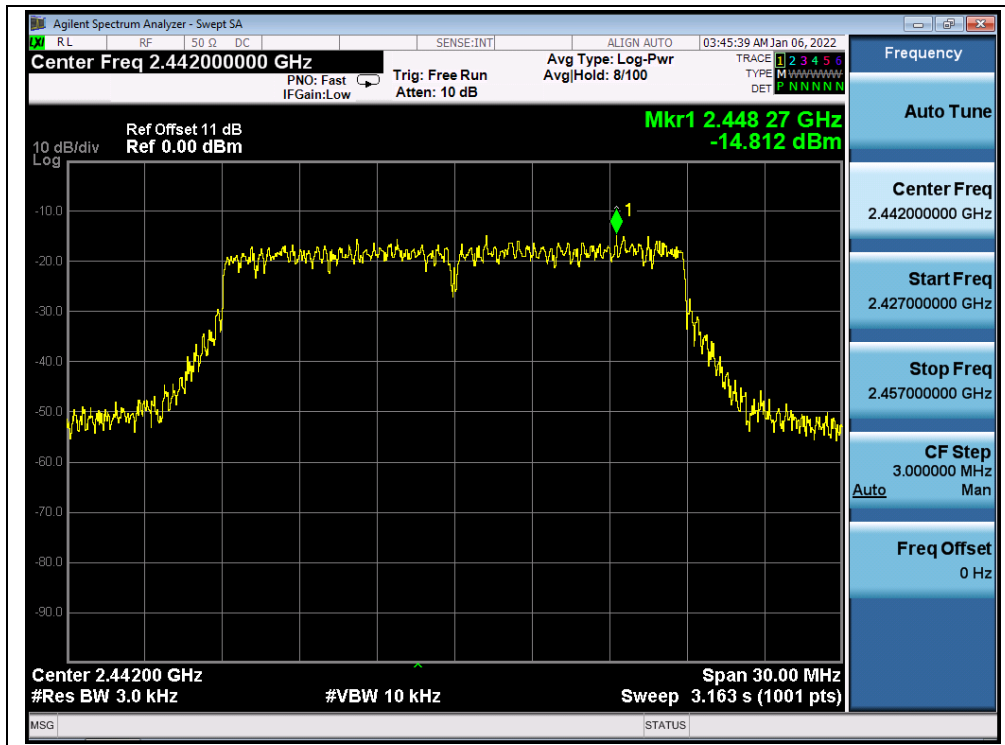
A. Test Verdict:

Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-14.25	8	PASS
7	2442	-14.81	8	PASS
13	2472	-14.31	8	PASS

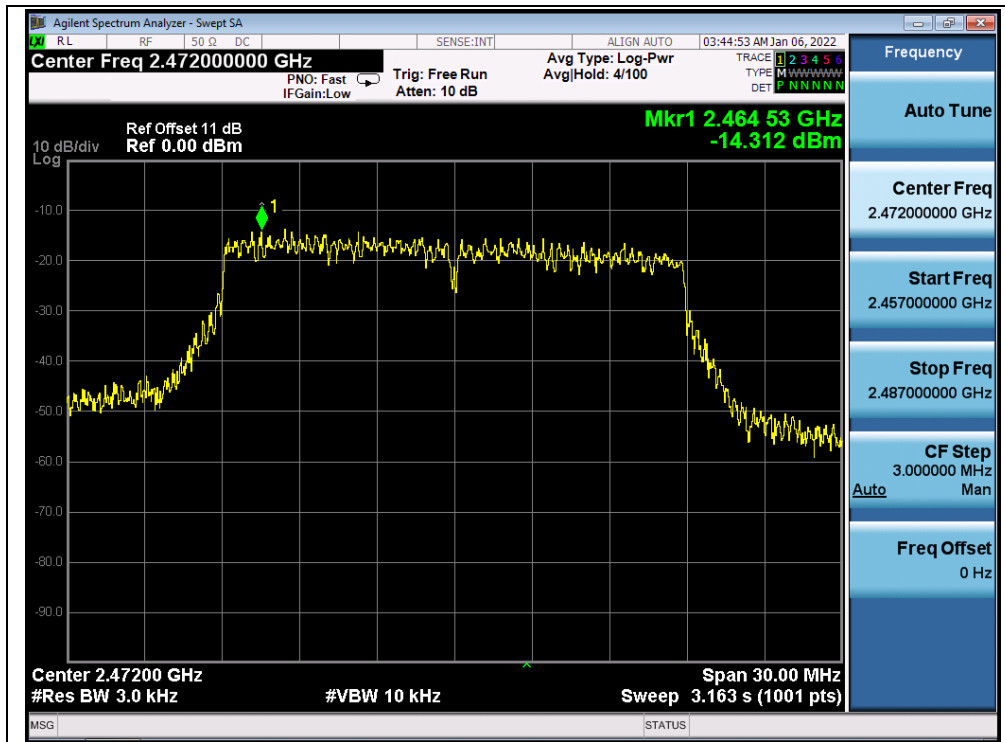
B. Test Plot:



(Channel 1, 802.11n (HT20))



(Channel 7, 802.11n (HT20))



(Channel 13, 802.11n (HT20))

## 2.7. Conducted Emission

### 2.7.1. Requirement

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

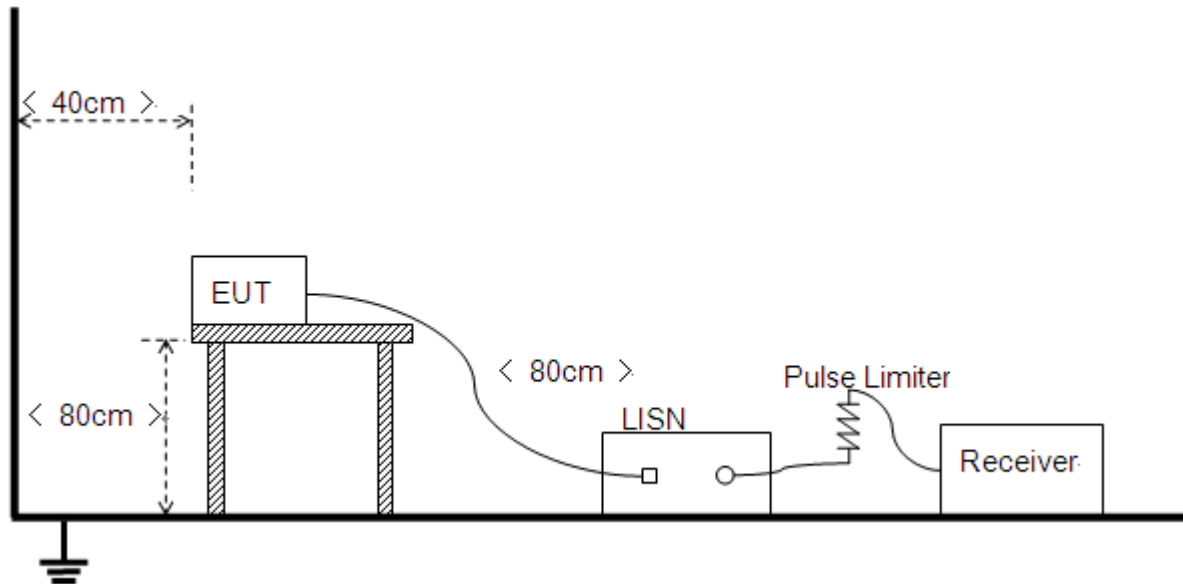
Frequency Range (MHz)	Conducted Limit (dB $\mu$ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

**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.

### 2.7.2. Test Description

**Test Setup:**



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.



### 2.7.3. Test Result

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+Adaptor+Earphone + WIFI TX

Test Voltage: AC 120V/60Hz

The measurement results are obtained as below:

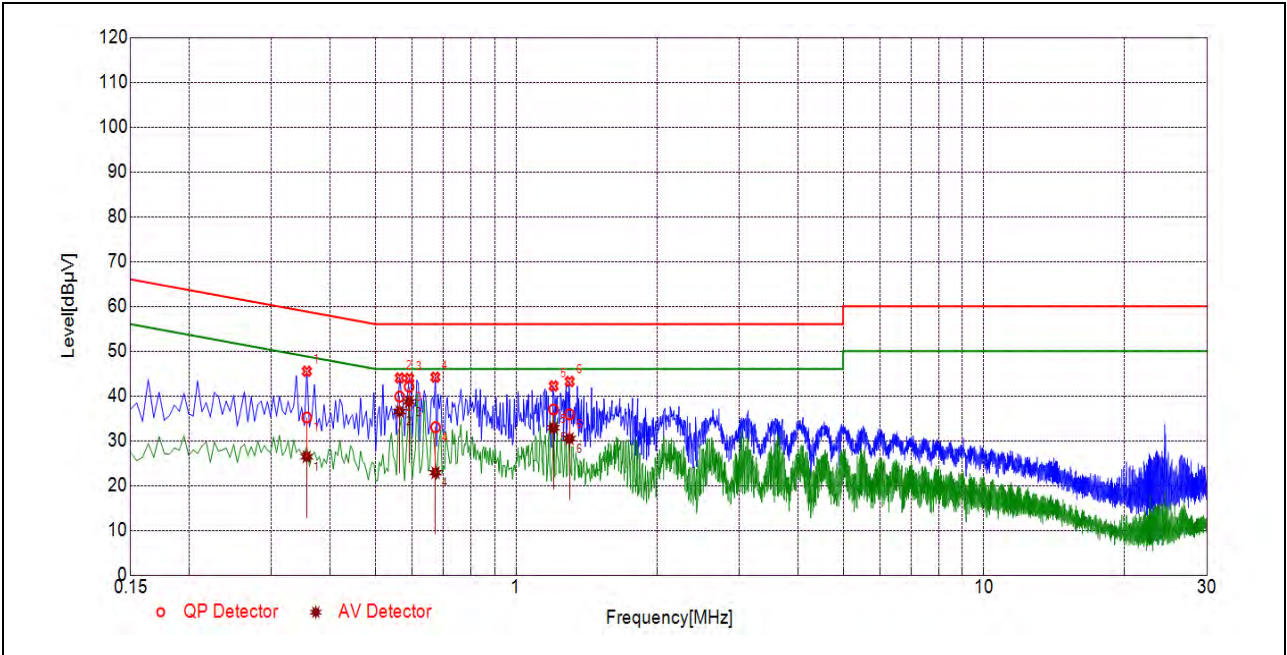
$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

$U_R$ : Receiver Reading

$A_{\text{Factor}}$ : Voltage division factor of LISN

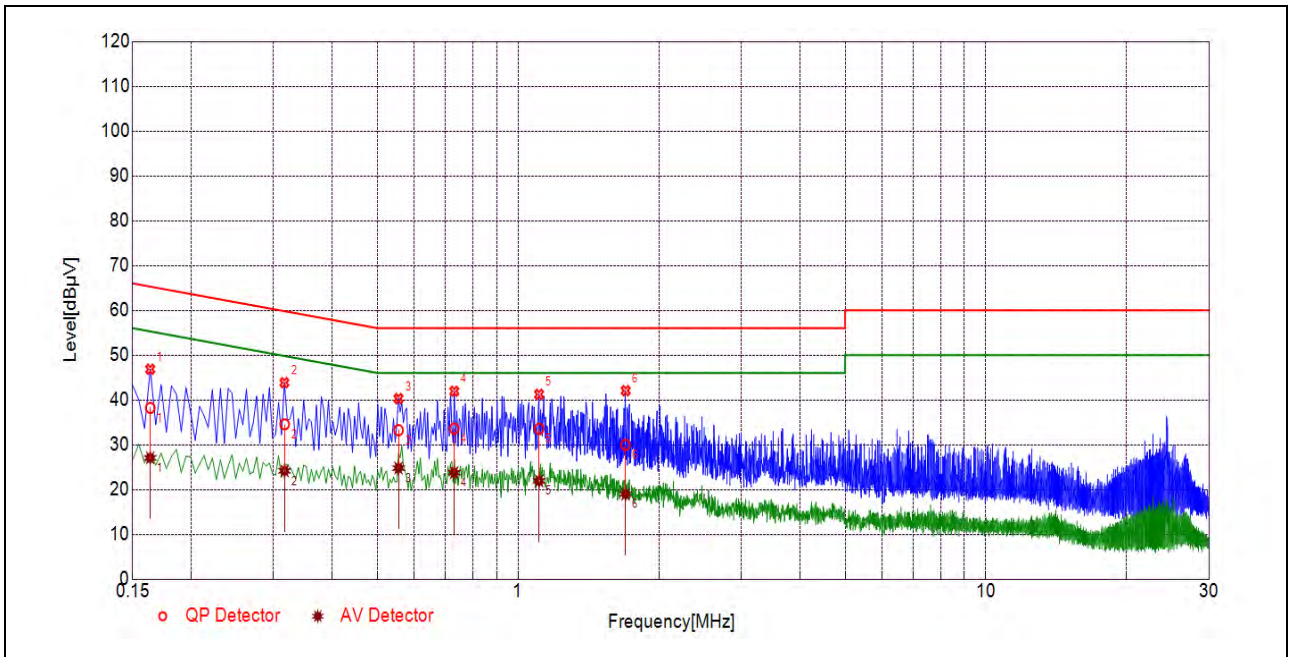


**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.3568	35.15	26.43	58.80	48.80	Line	PASS
2	0.5635	39.83	36.50	56.00	46.00		PASS
3	0.5905	42.05	38.69	56.00	46.00		PASS
4	0.6726	33.00	22.84	56.00	46.00		PASS
5	1.2018	36.97	32.87	56.00	46.00		PASS
6	1.3011	35.88	30.46	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	38.21	27.05	65.28	55.28	Neutral	PASS
2	0.3168	34.55	24.15	59.79	49.79		PASS
3	0.5551	33.24	24.79	56.00	46.00		PASS
4	0.7298	33.57	23.75	56.00	46.00		PASS
5	1.1091	33.55	21.89	56.00	46.00		PASS
6	1.6964	29.97	18.96	56.00	46.00		PASS

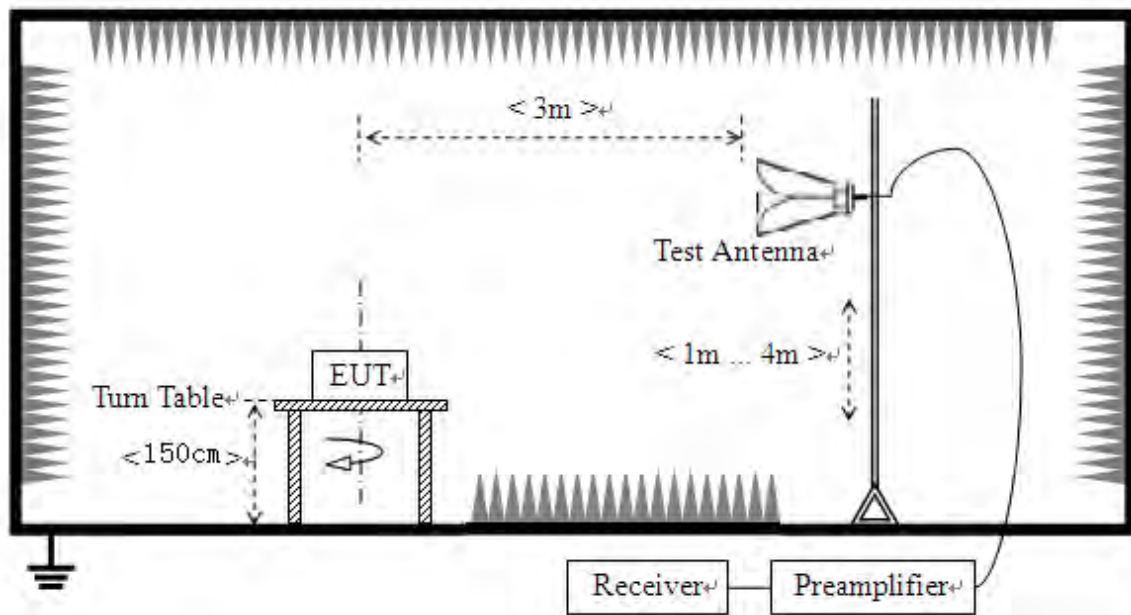
## 2.8. Restricted Frequency Bands

### 2.8.1. Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

### 2.8.2. Test Description

#### Test Setup



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.



### 2.8.3. Test Procedure

KDB 558074 Section 8.6 and 8.7 was used in order to prove compliance.

### 2.8.4. Test Result

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

The measurement results are obtained as below:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

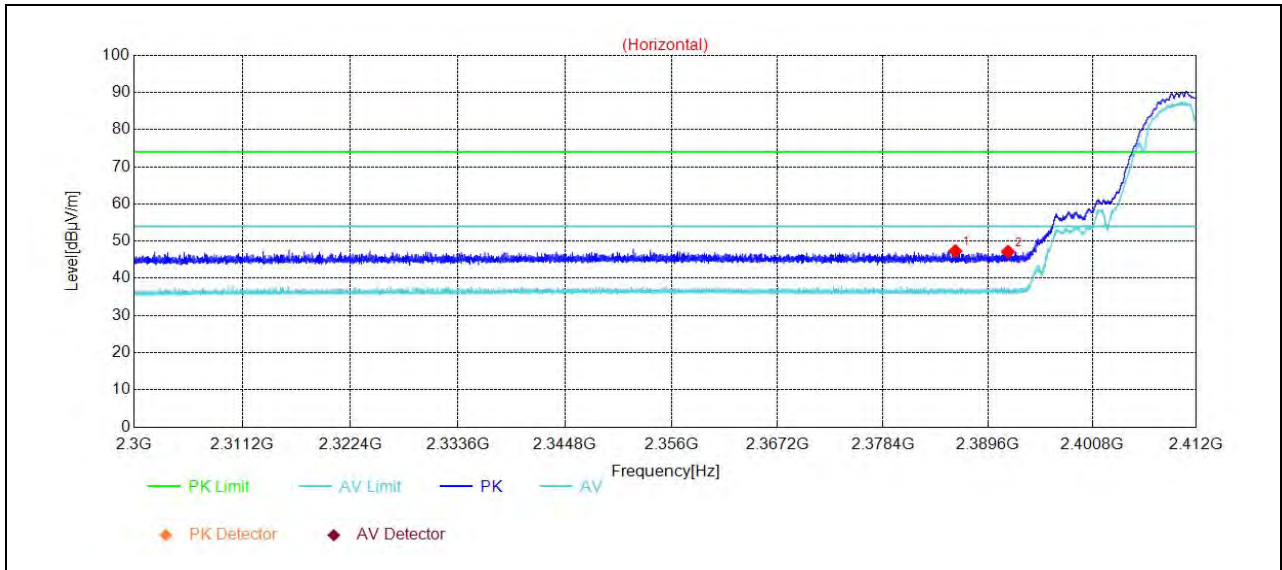
$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

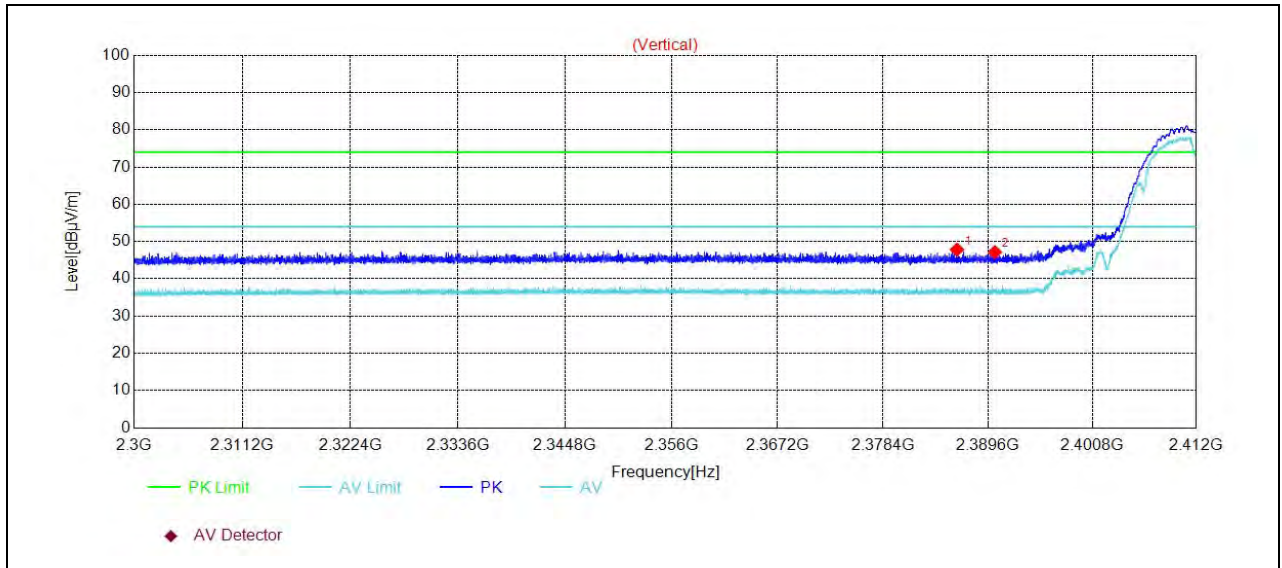
**Note:** The maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.



802.11b Mode, Plot for Channel 1



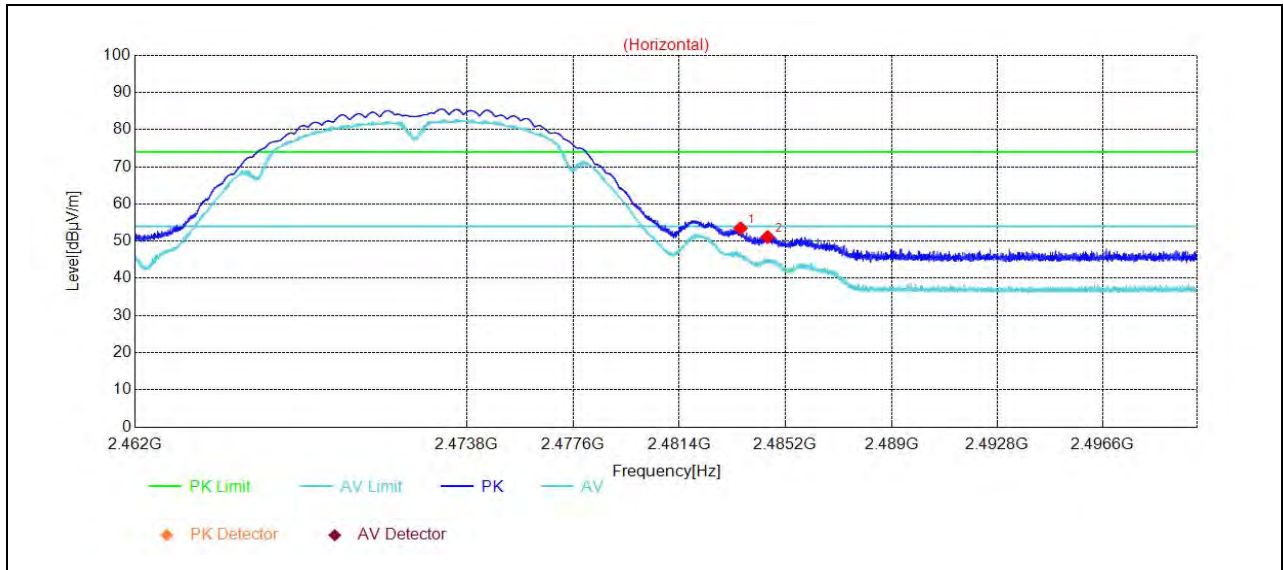
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	2386.1280	47.33	-2.86	74.00	Horizontal	PK	PASS
2	2391.7616	47.13	-2.87	74.00	Horizontal	PK	PASS



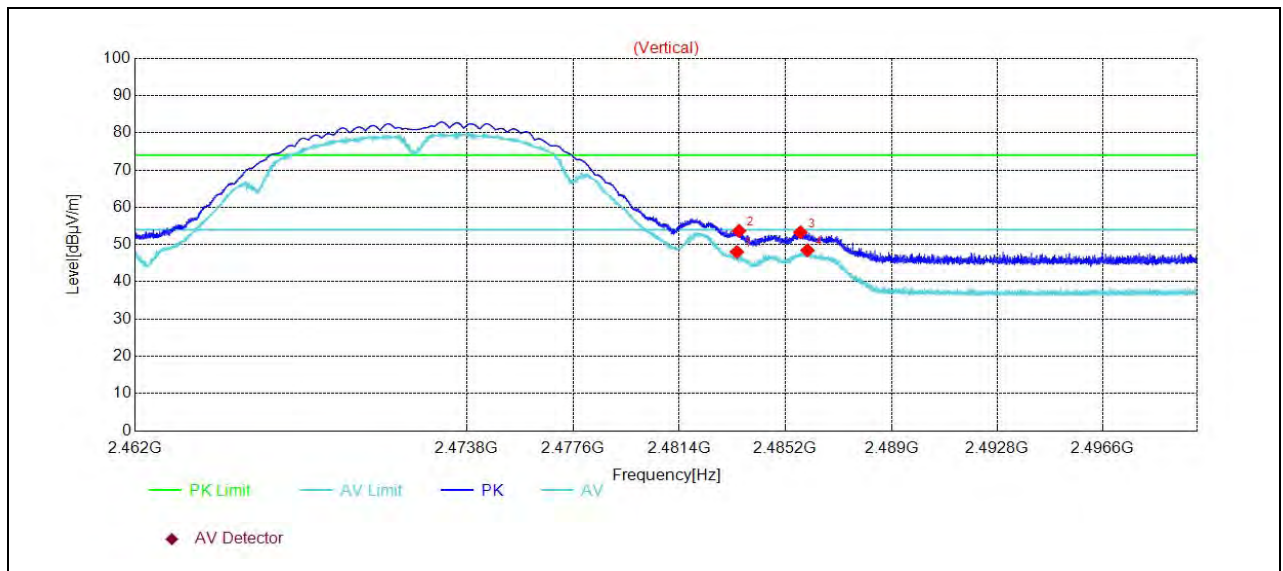
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	2386.3072	47.83	-2.86	74.00	Vertical	PK	PASS
2	2390.3504	47.17	-2.87	74.00	Vertical	PK	PASS



802.11b Mode, Plot for Channel 13



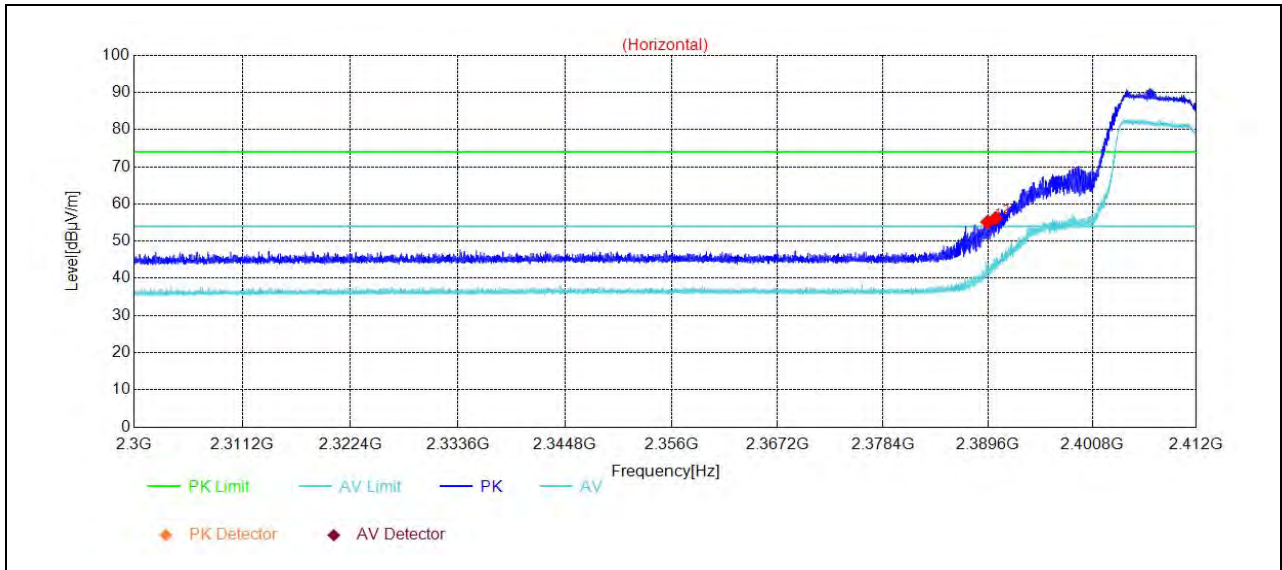
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2483.5916	53.46	-2.66	74.00	Horizontal	PK	PASS
2	2484.5568	51.13	-2.65	74.00	Horizontal	PK	PASS



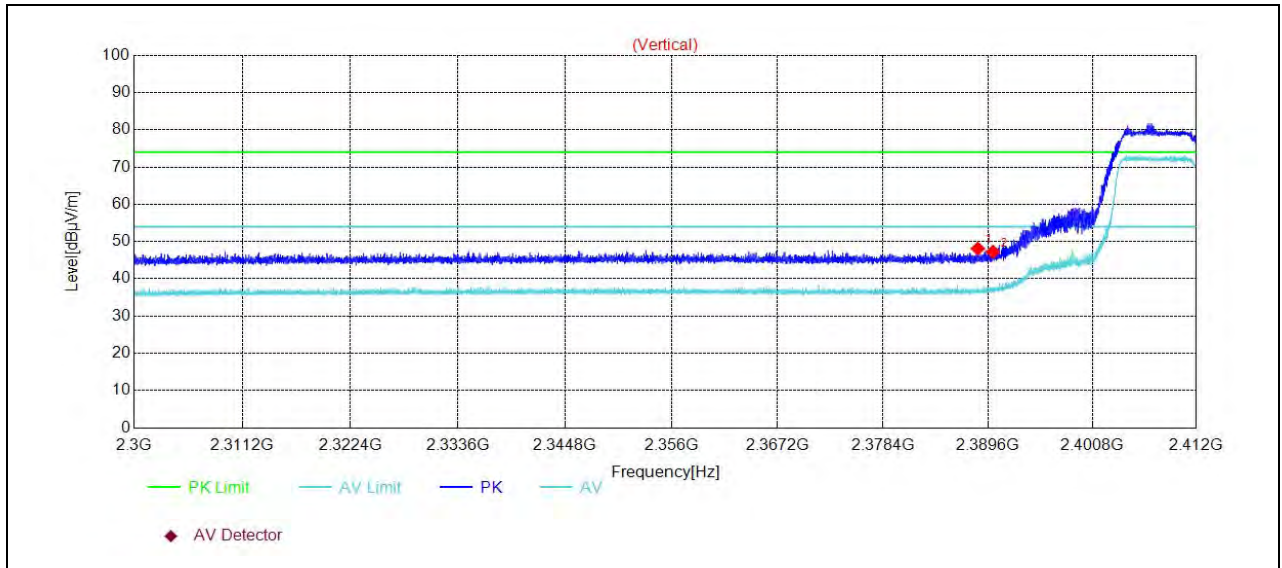
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2483.5384	53.67	-2.66	74.00	Vertical	PK	PASS
2	2485.7348	53.29	-2.64	74.00	Vertical	PK	PASS



802.11g Mode, Plot for Channel 1



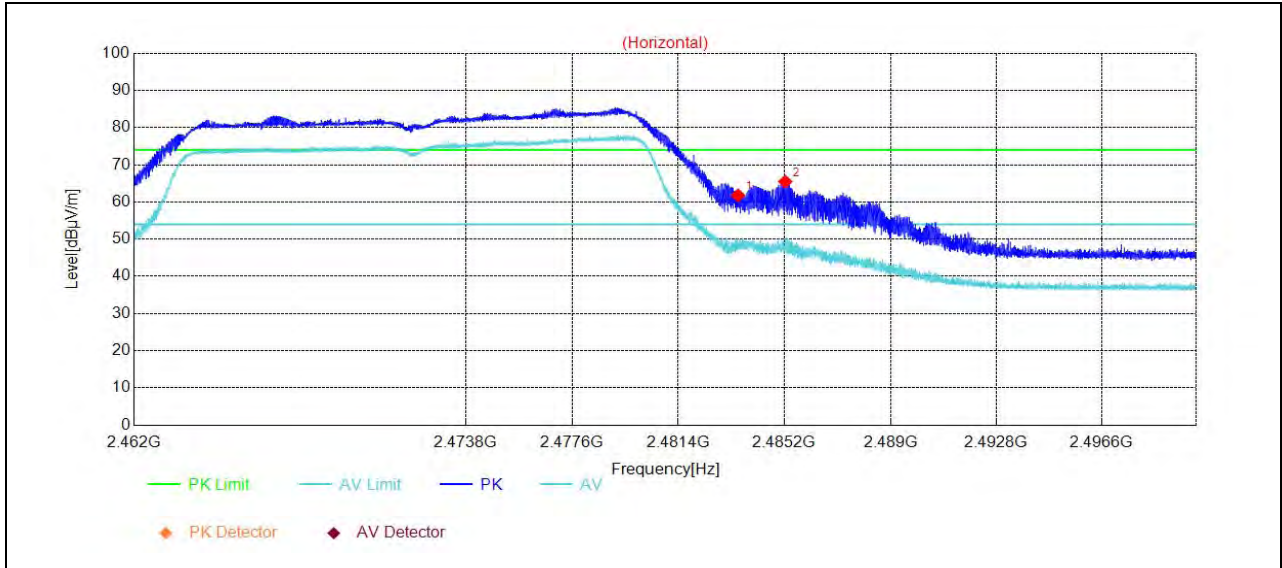
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2389.5776	55.13	-2.86	74.00	Horizontal	PK	PASS
2	2390.4400	56.19	-2.87	74.00	Horizontal	PK	PASS



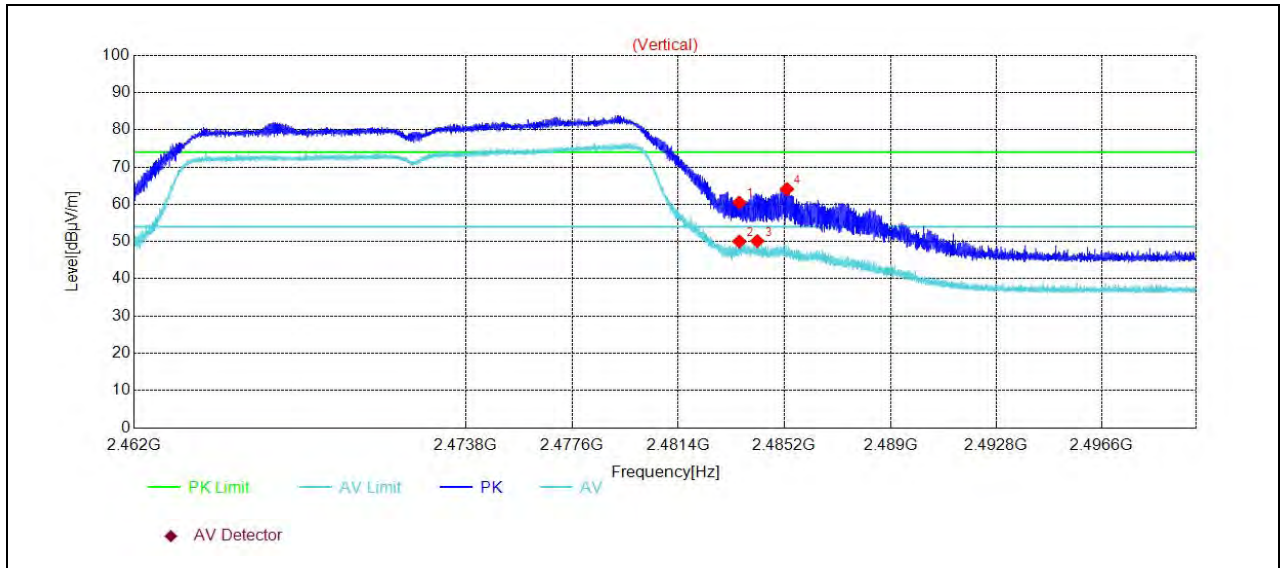
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2388.5360	48.11	-2.86	74.00	Vertical	PK	PASS
2	2390.1600	47.25	-2.87	74.00	Vertical	PK	PASS



802.11g Mode, Plot for Channel 13



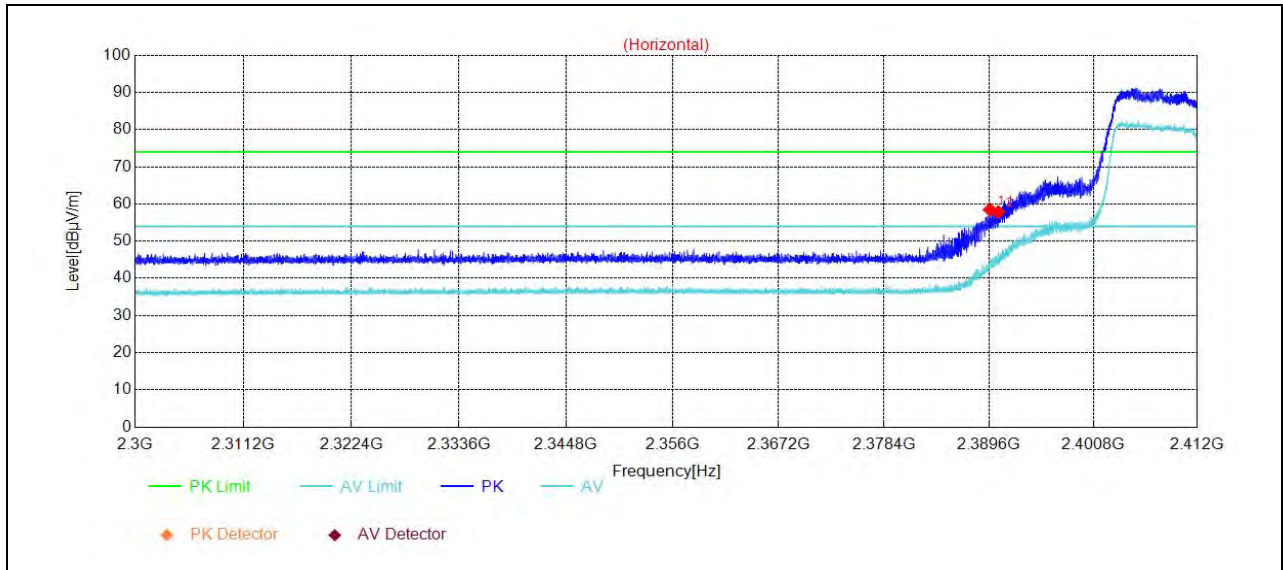
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	2483.5346	61.76	-2.66	74.00	Horizontal	PK	PASS
2	2485.2256	65.48	-2.65	74.00	Horizontal	PK	PASS



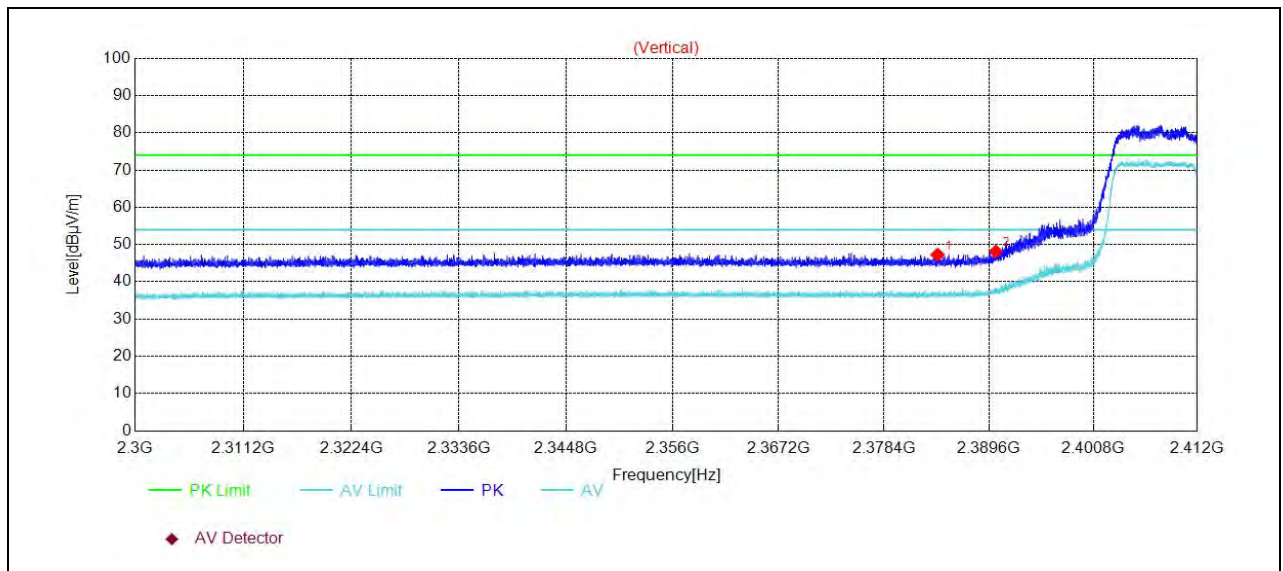
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	2483.5802	60.47	-2.66	74.00	Vertical	PK	PASS
2	2485.2864	64.07	-2.65	74.00	Vertical	PK	PASS



802.11n (HT20) Mode, Plot for Channel 1



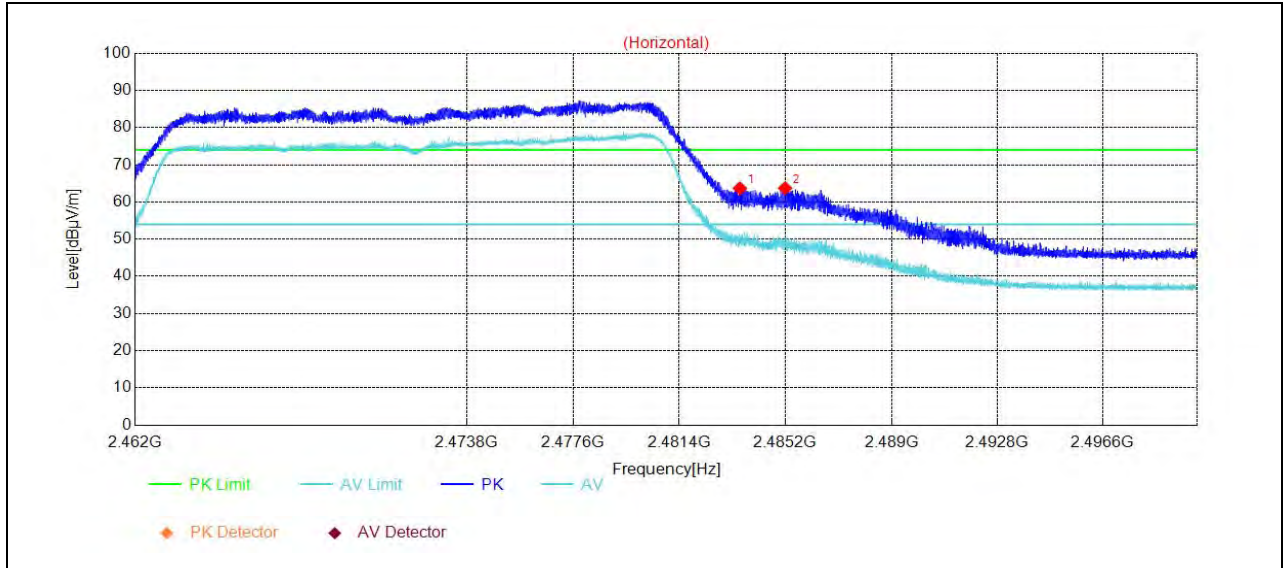
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2389.7232	58.43	-2.87	74.00	Horizontal	PK	PASS
2	2390.6192	57.80	-2.87	74.00	Horizontal	PK	PASS



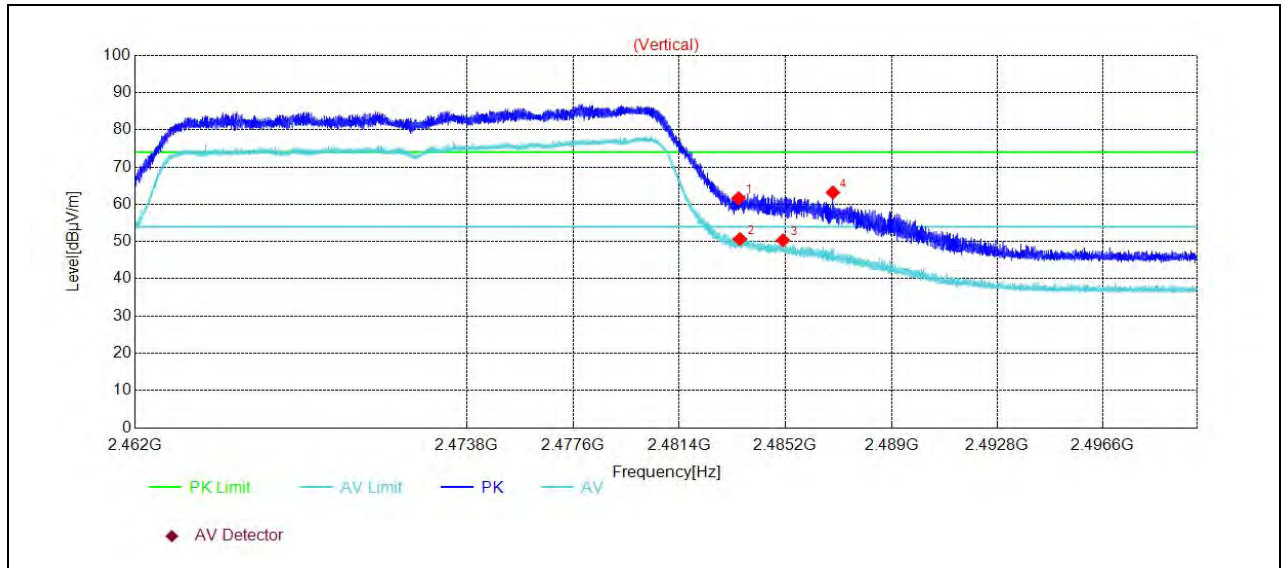
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2384.1344	47.26	-2.85	74.00	Vertical	PK	PASS
2	2390.3504	48.12	-2.87	74.00	Vertical	PK	PASS



802.11n (HT20) Mode, Plot for Channel 13



No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2483.5688	63.66	-2.66	74.00	Horizontal	PK	PASS
2	2485.1876	63.70	-2.65	74.00	Horizontal	PK	PASS



No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	2483.5194	61.60	-2.66	74.00	Vertical	PK	PASS
2	2486.9014	63.16	-2.64	74.00	Vertical	PK	PASS



## 2.9. Radiated Emission

### 2.9.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

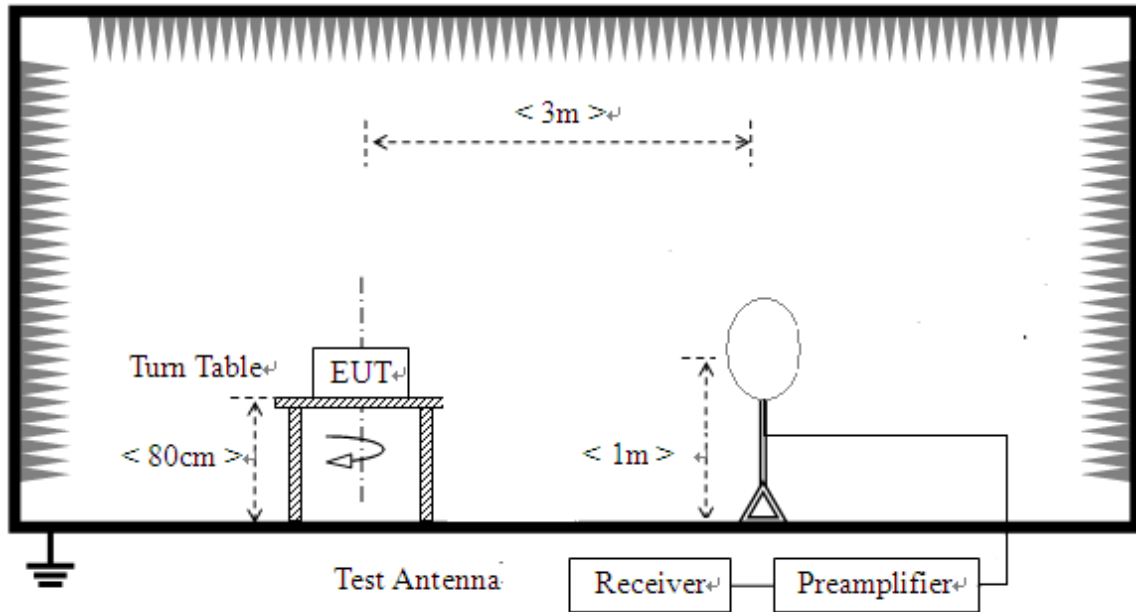
**Note1:** For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

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

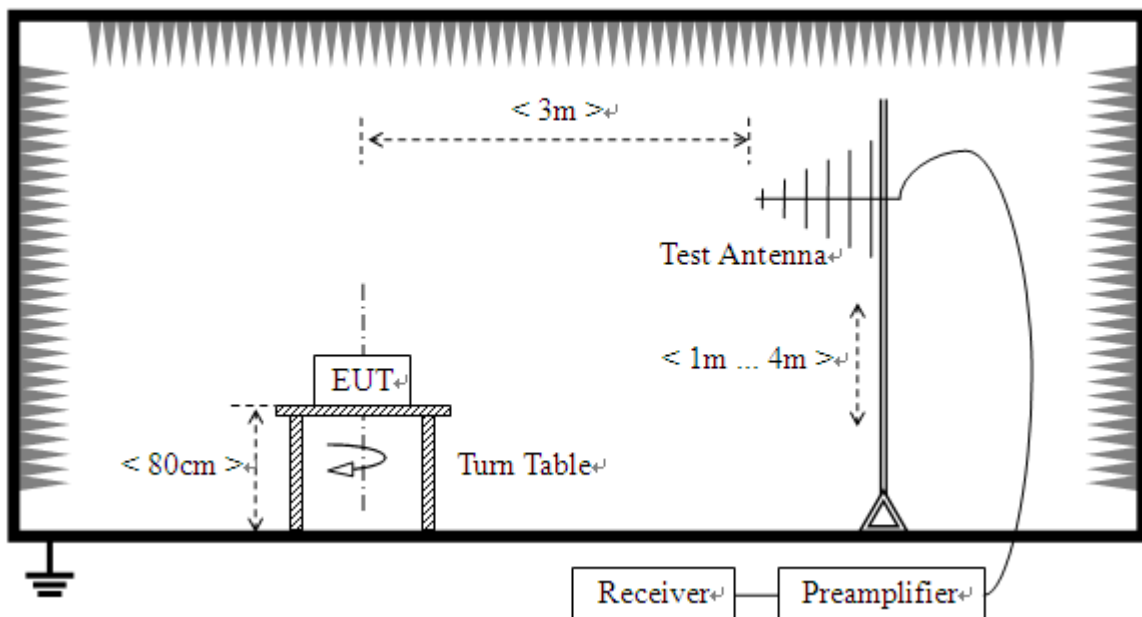
**2.9.2. Test Description**

**Test Setup:**

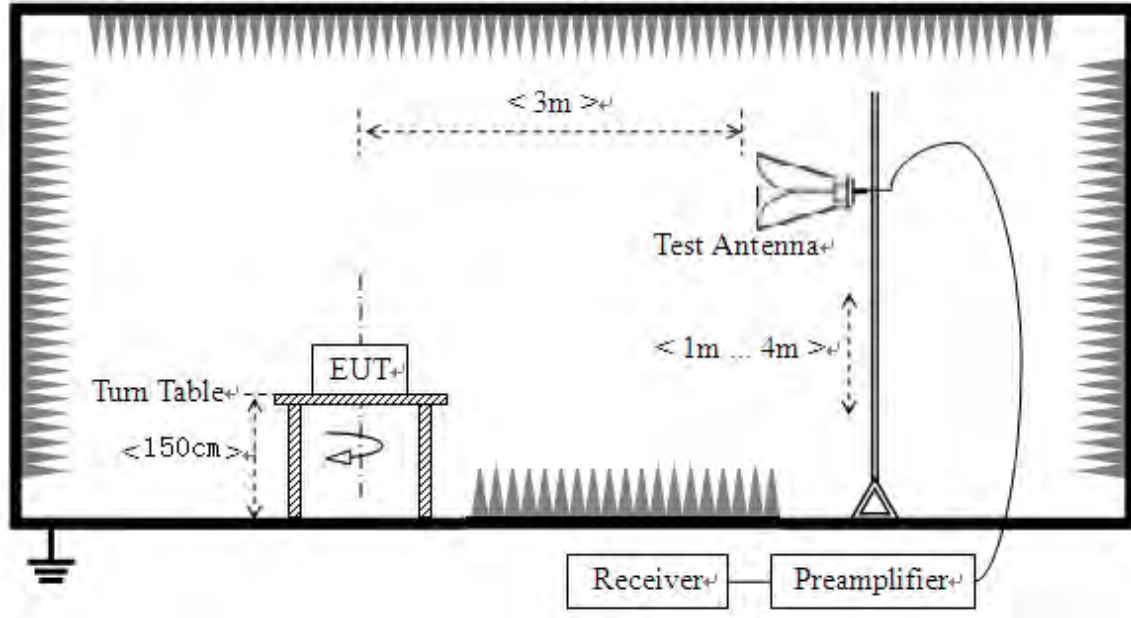
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



## 3) For radiated emissions above 1GHz



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 3 meters. 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 frequency range of interest is monitored at a fixed antenna height and EUT azimuth. 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.





### 2.9.3. Test Result

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

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

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

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

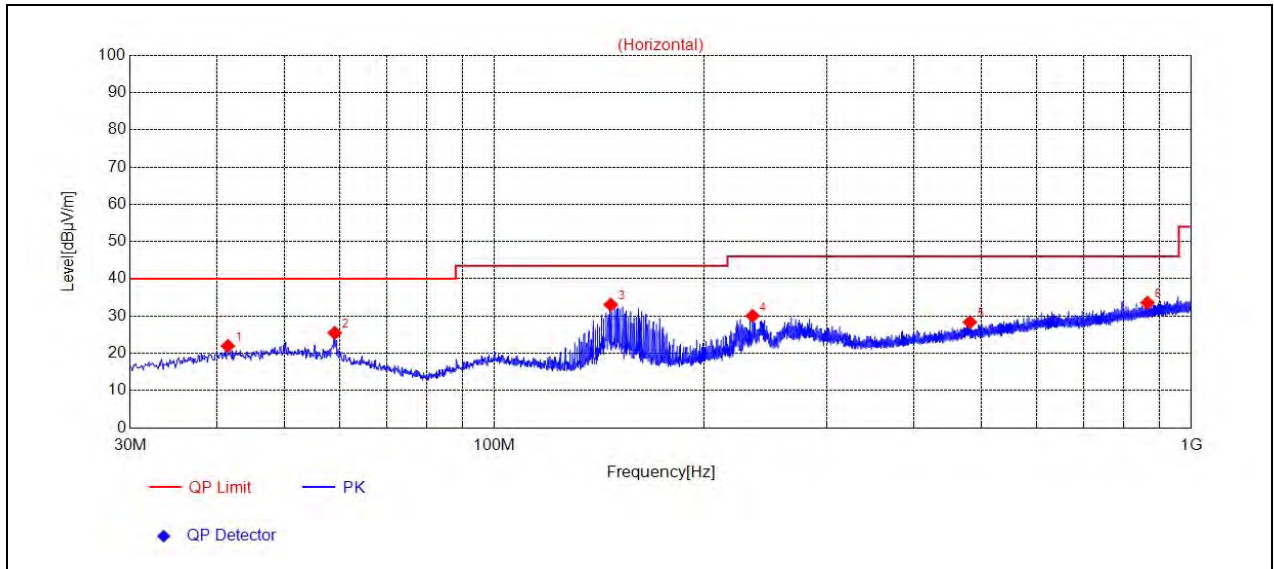
**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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



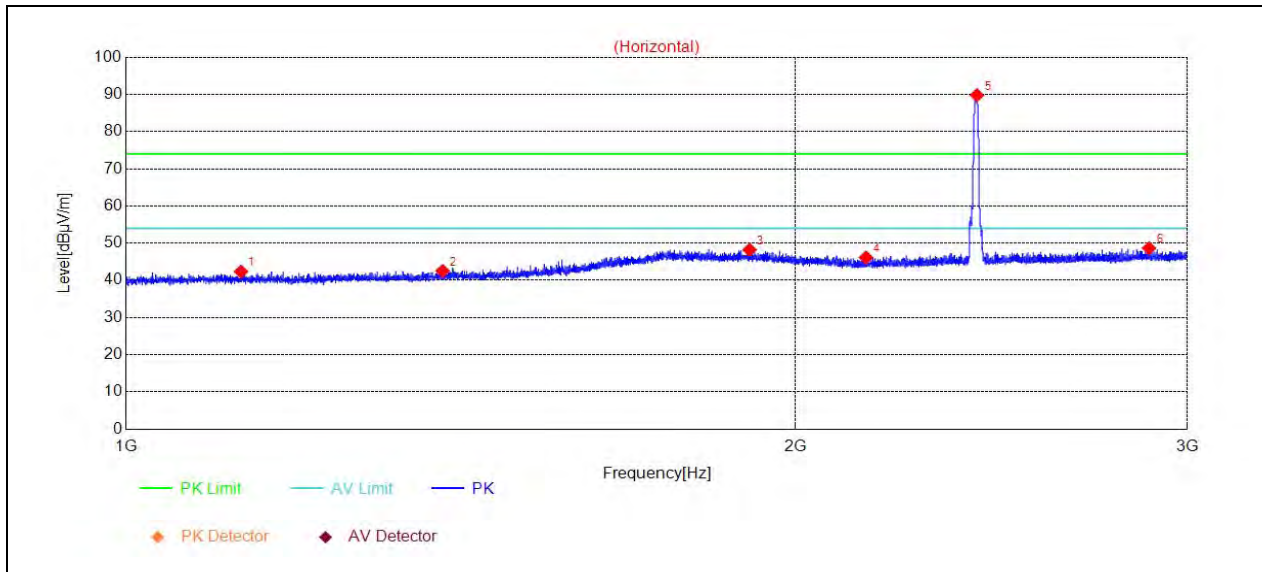
**802.11b Mode**

Plots for Channel 1



(30MHz to 1GHz)

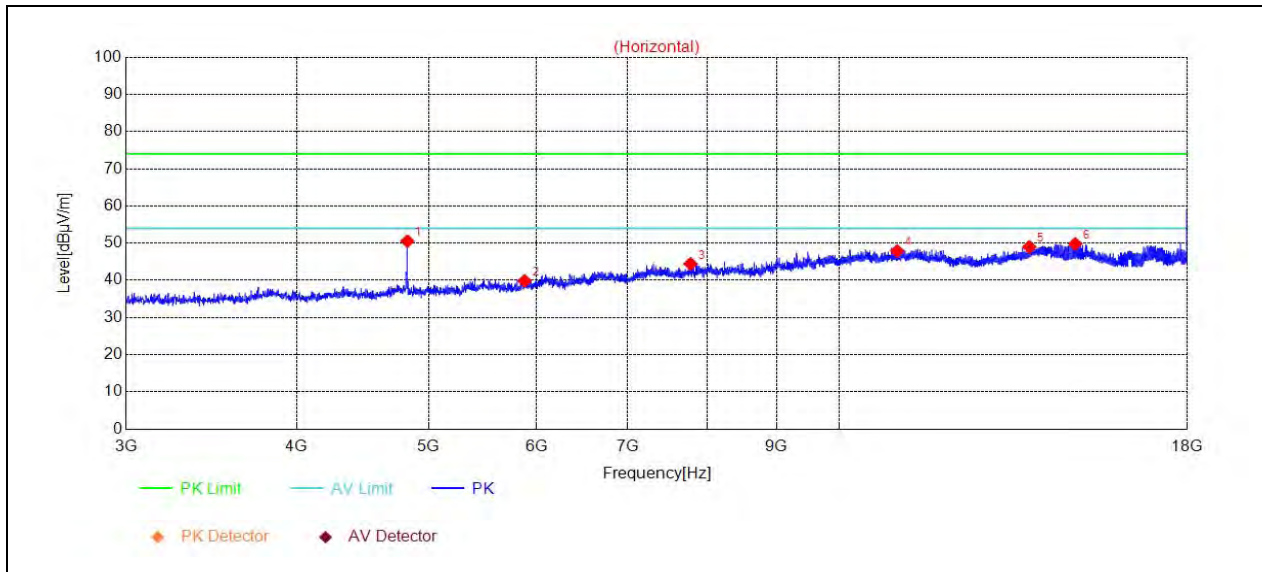
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	41.4471	21.98	-7.83	40.00	Horizontal	PK	PASS
2	59.0059	25.48	-8.21	40.00	Horizontal	PK	PASS
3	146.8967	33.08	-11.79	43.50	Horizontal	PK	PASS
4	234.6905	30.07	-7.55	46.00	Horizontal	PK	PASS
5	481.1921	28.36	-1.66	46.00	Horizontal	PK	PASS
6	865.3505	33.57	4.31	46.00	Horizontal	PK	PASS



(1GHz to 3GHz)

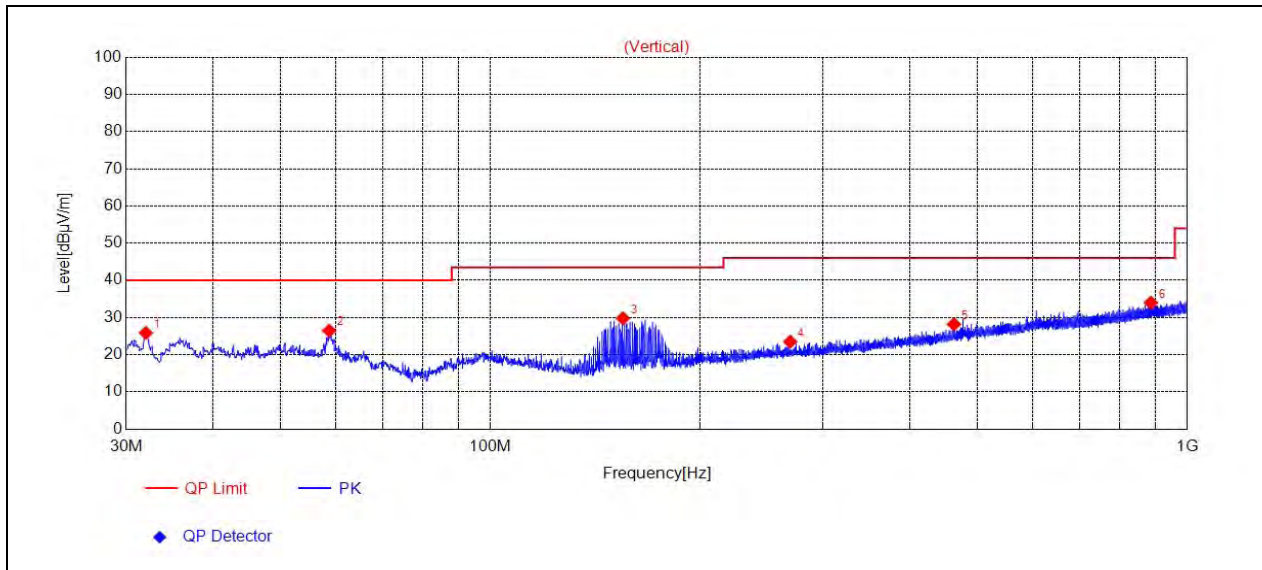
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1126.4000	42.36	-7.95	74.00	Horizontal	PK	PASS
2	1387.8000	42.54	-6.82	74.00	Horizontal	PK	PASS
3	1906.8000	48.22	-1.45	74.00	Horizontal	PK	PASS
4	2151.2000	46.14	-3.54	74.00	Horizontal	PK	PASS
5	2413.0000	89.78	-2.89	74.00	N/A	PK	N/A
6	2883.6000	48.65	-1.71	74.00	Horizontal	PK	PASS





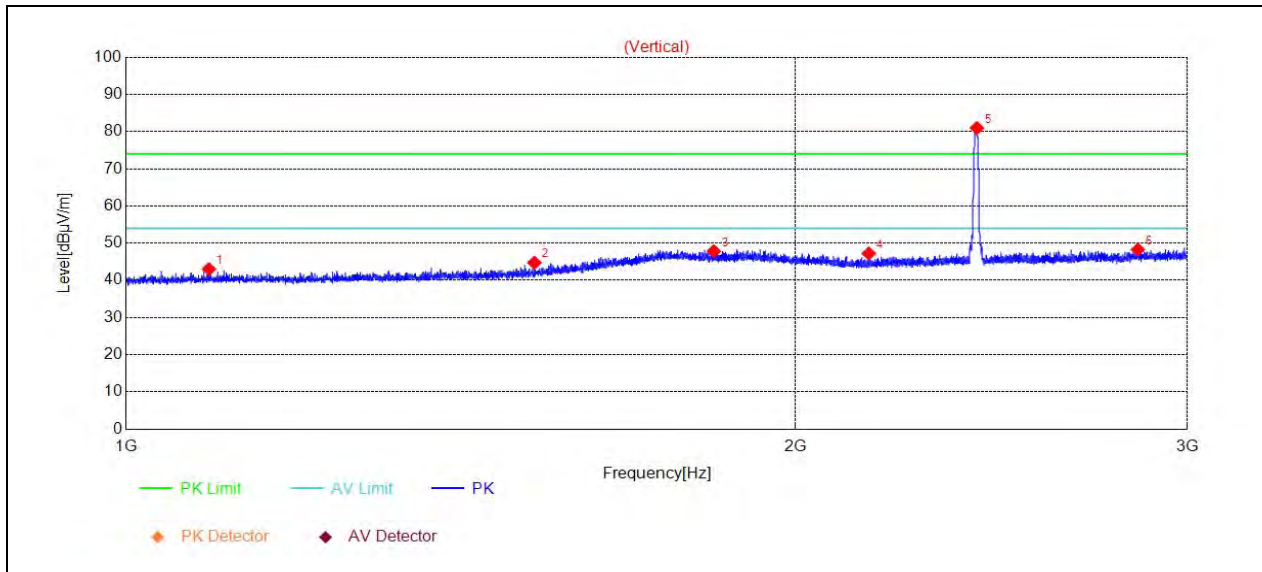
(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	4824.0000	50.55	-5.69	74.00	Horizontal	PK	PASS
2	5880.0000	39.85	-4.25	74.00	Horizontal	PK	PASS
3	7782.0000	44.43	0.37	74.00	Horizontal	PK	PASS
4	11029.5000	47.88	6.06	74.00	Horizontal	PK	PASS
5	13786.5000	48.97	7.17	74.00	Horizontal	PK	PASS
6	14898.0000	49.80	9.18	74.00	Horizontal	PK	PASS



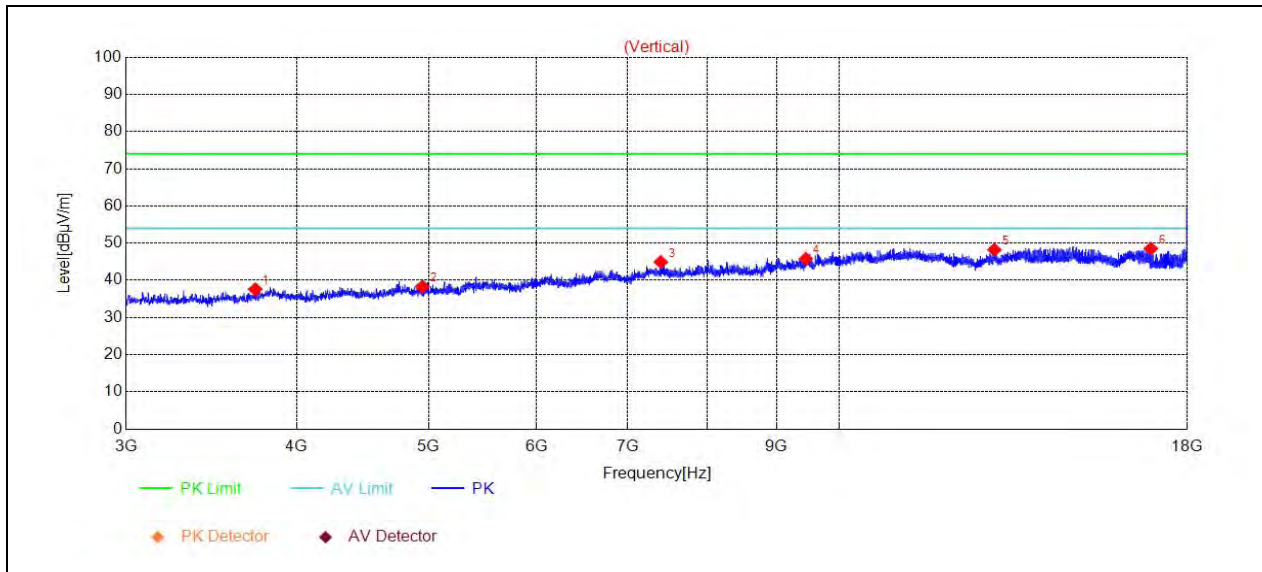
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.0372	25.87	-10.63	40.00	Vertical	PK	PASS
2	58.7149	26.46	-8.16	40.00	Vertical	PK	PASS
3	154.9485	29.79	-11.50	43.50	Vertical	PK	PASS
4	269.3229	23.50	-6.54	46.00	Vertical	PK	PASS
5	462.6633	28.18	-2.01	46.00	Vertical	PK	PASS
6	886.8867	33.99	4.69	46.00	Vertical	PK	PASS



(1GHz to 3GHz)

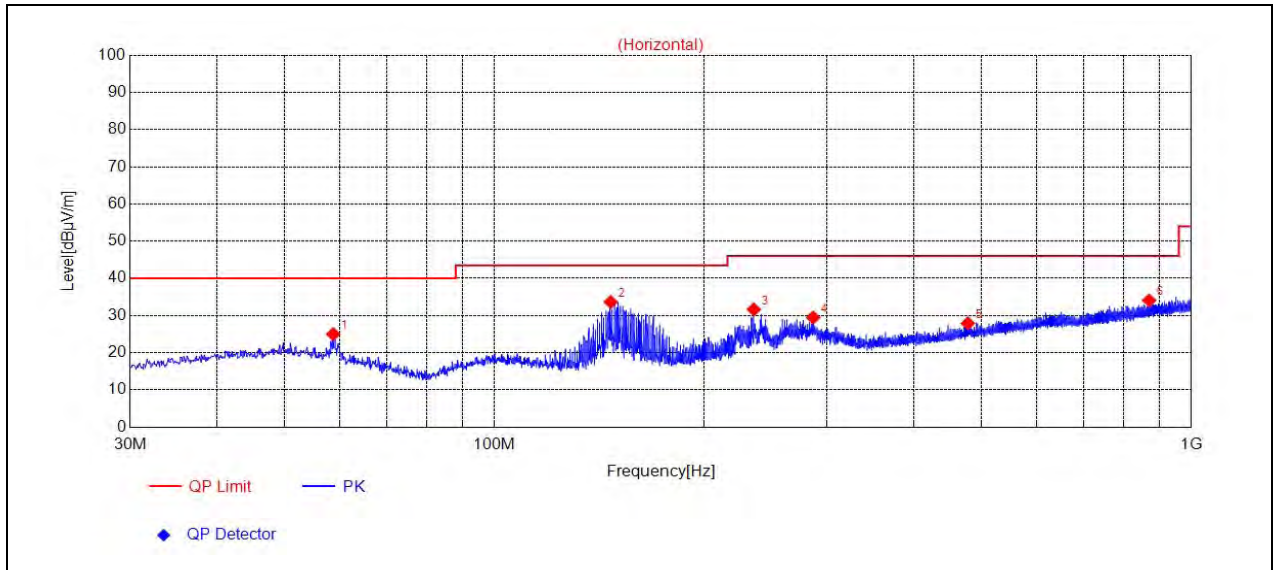
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1089.6000	43.02	-8.10	74.00	Vertical	PK	PASS
2	1526.2000	44.72	-5.68	74.00	Vertical	PK	PASS
3	1837.8000	47.82	-1.60	74.00	Vertical	PK	PASS
4	2157.6000	47.22	-3.51	74.00	Vertical	PK	PASS
5	2413.0000	80.97	-2.89	74.00	N/A	PK	N/A
6	2850.4000	48.25	-1.60	74.00	Vertical	PK	PASS



(3GHz to 18GHz)

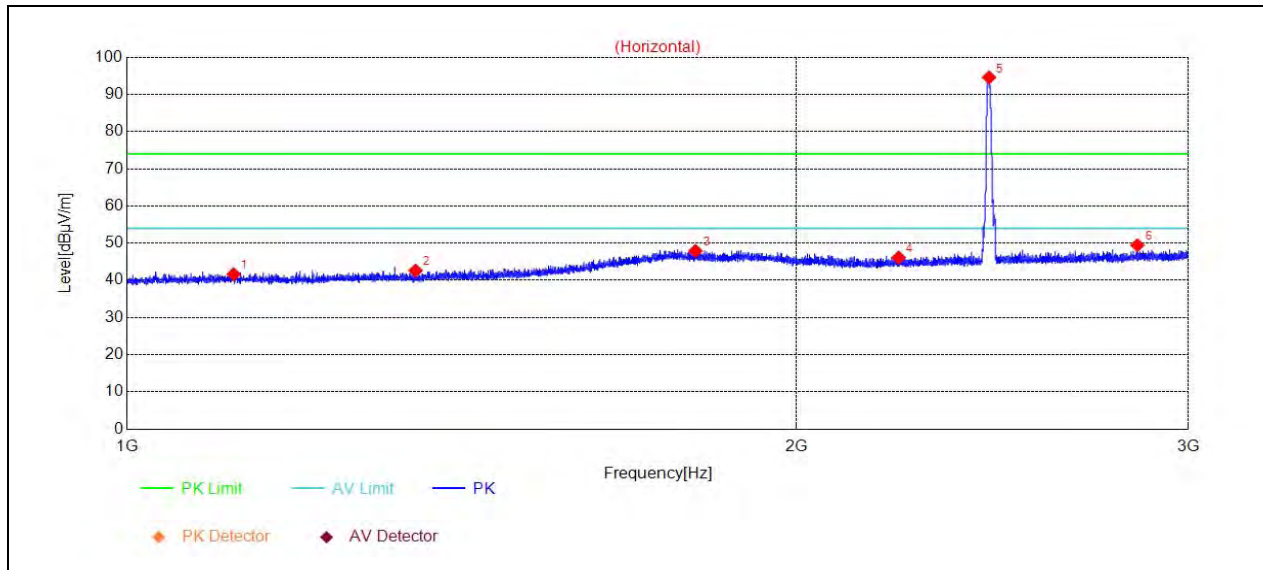
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3732.0000	37.59	-8.33	74.00	Vertical	PK	PASS
2	4948.5000	38.34	-5.67	74.00	Vertical	PK	PASS
3	7401.0000	44.91	-0.12	74.00	Vertical	PK	PASS
4	9453.0000	45.77	4.20	74.00	Vertical	PK	PASS
5	12999.0000	48.20	5.72	74.00	Vertical	PK	PASS
6	16926.0000	48.51	10.06	74.00	Vertical	PK	PASS

Plot for Channel 7



(30MHz to 1GHz)

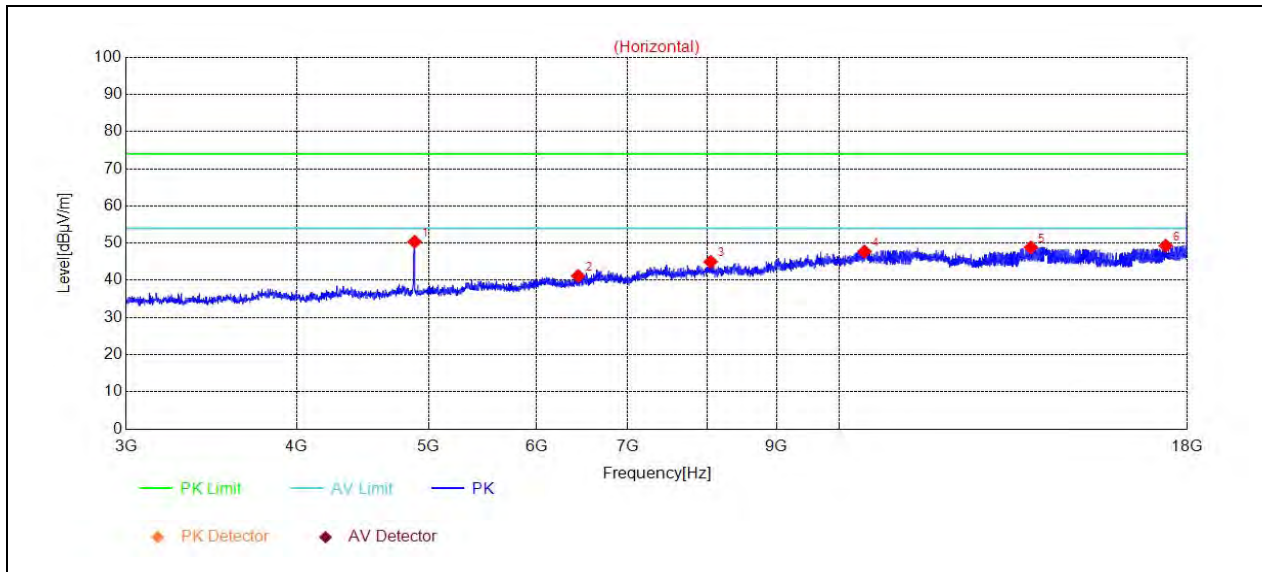
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	58.7149	25.00	-8.16	40.00	Horizontal	PK	PASS
2	146.8967	33.64	-11.79	43.50	Horizontal	PK	PASS
3	235.6606	31.64	-7.50	46.00	Horizontal	PK	PASS
4	286.6877	29.45	-6.45	46.00	Horizontal	PK	PASS
5	477.9908	27.89	-1.72	46.00	Horizontal	PK	PASS
6	870.1040	34.08	4.39	46.00	Horizontal	PK	PASS



(1GHz to 3GHz)

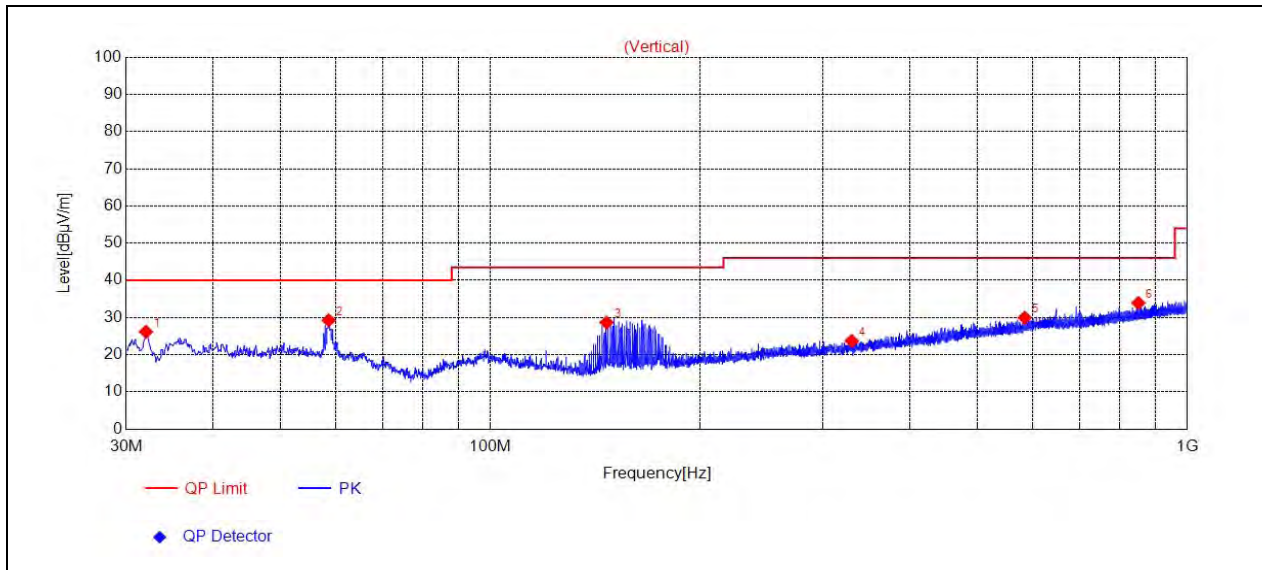
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1116.8000	41.64	-7.98	74.00	Horizontal	PK	PASS
2	1348.2000	42.62	-7.12	74.00	Horizontal	PK	PASS
3	1801.2000	47.91	-1.35	74.00	Horizontal	PK	PASS
4	2223.0000	46.13	-3.35	74.00	Horizontal	PK	PASS
5	2441.0000	94.55	-2.88	74.00	N/A	PK	N/A
6	2846.4000	49.44	-1.65	74.00	Horizontal	PK	PASS





(3GHz to 18GHz)

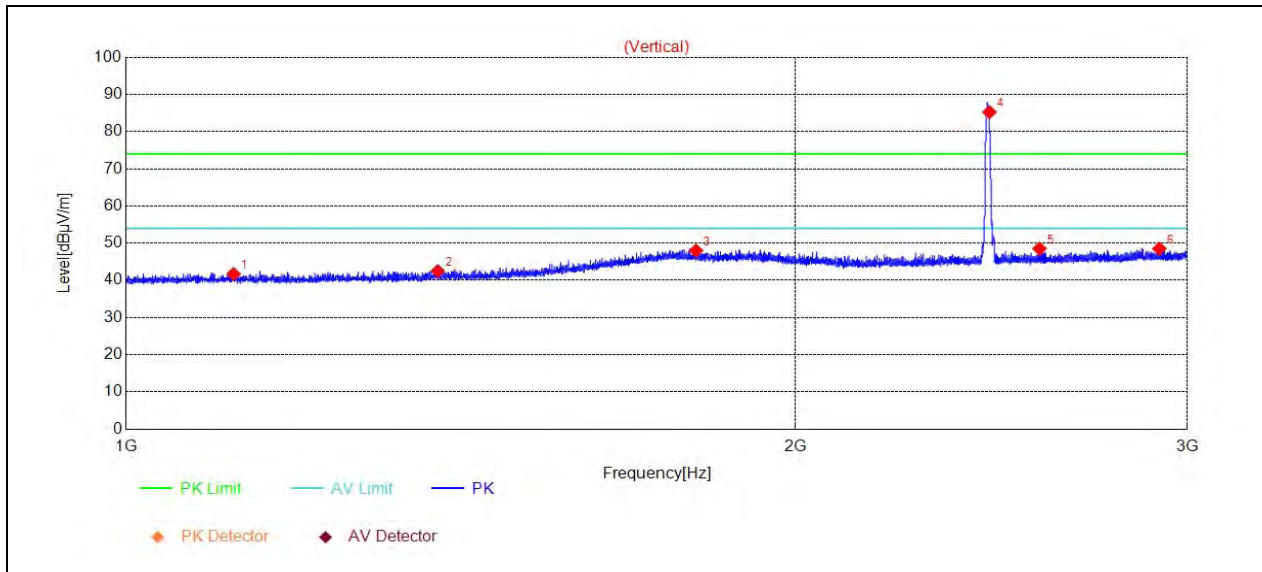
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	4884.0000	50.37	-6.06	74.00	Horizontal	PK	PASS
2	6436.5000	41.17	-3.09	74.00	Horizontal	PK	PASS
3	8050.5000	44.97	1.40	74.00	Horizontal	PK	PASS
4	10438.5000	47.73	5.57	74.00	Horizontal	PK	PASS
5	13824.0000	48.87	7.33	74.00	Horizontal	PK	PASS
6	17358.0000	49.30	12.95	74.00	Horizontal	PK	PASS



(30MHz to 1GHz)

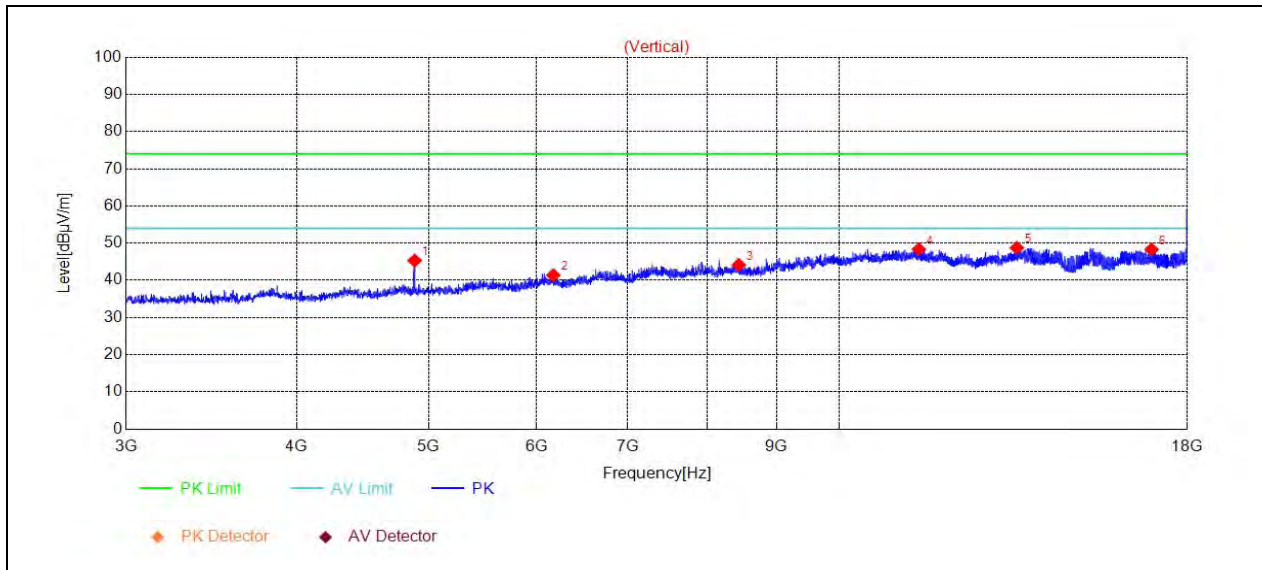
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.0372	26.17	-10.63	40.00	Vertical	PK	PASS
2	58.6179	29.25	-8.14	40.00	Vertical	PK	PASS
3	146.7997	28.67	-11.79	43.50	Vertical	PK	PASS
4	330.0510	23.72	-5.23	46.00	Vertical	PK	PASS
5	584.6045	29.95	0.81	46.00	Vertical	PK	PASS
6	850.7991	33.90	4.02	46.00	Vertical	PK	PASS





(1GHz to 3GHz)

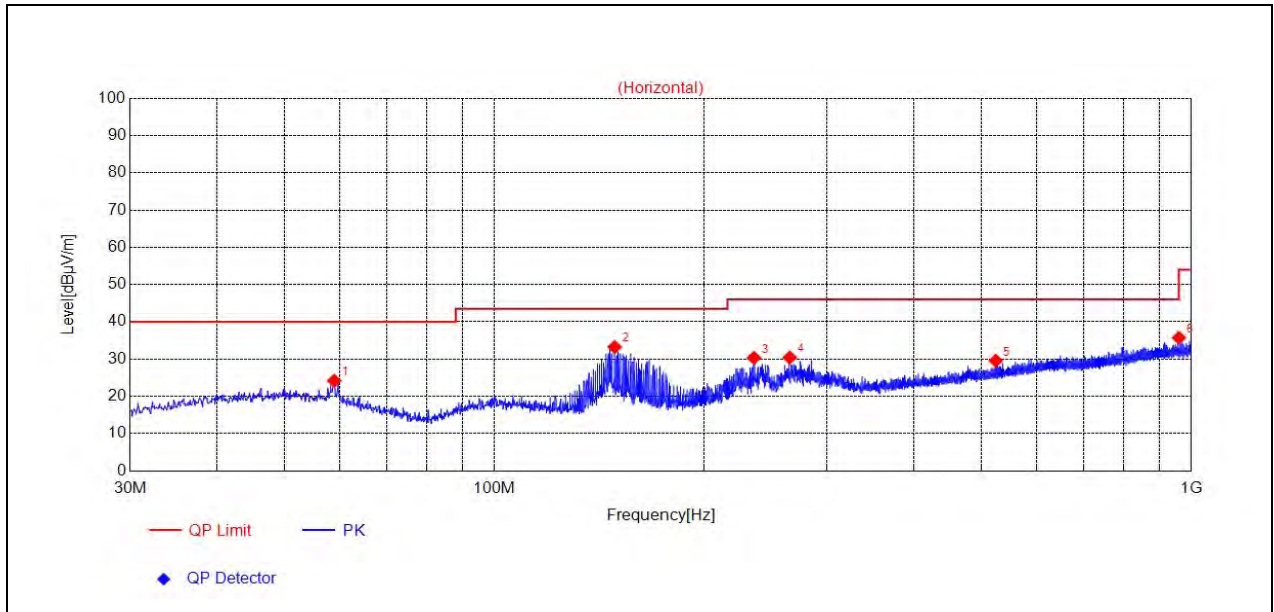
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1117.8000	41.71	-7.97	74.00	Vertical	PK	PASS
2	1381.0000	42.53	-6.87	74.00	Vertical	PK	PASS
3	1804.0000	48.00	-1.37	74.00	Vertical	PK	PASS
4	2444.6000	85.24	-2.88	74.00	N/A	PK	N/A
5	2574.6000	48.54	-2.51	74.00	Vertical	PK	PASS
6	2914.6000	48.51	-1.79	74.00	Vertical	PK	PASS



(3GHz to 18GHz)

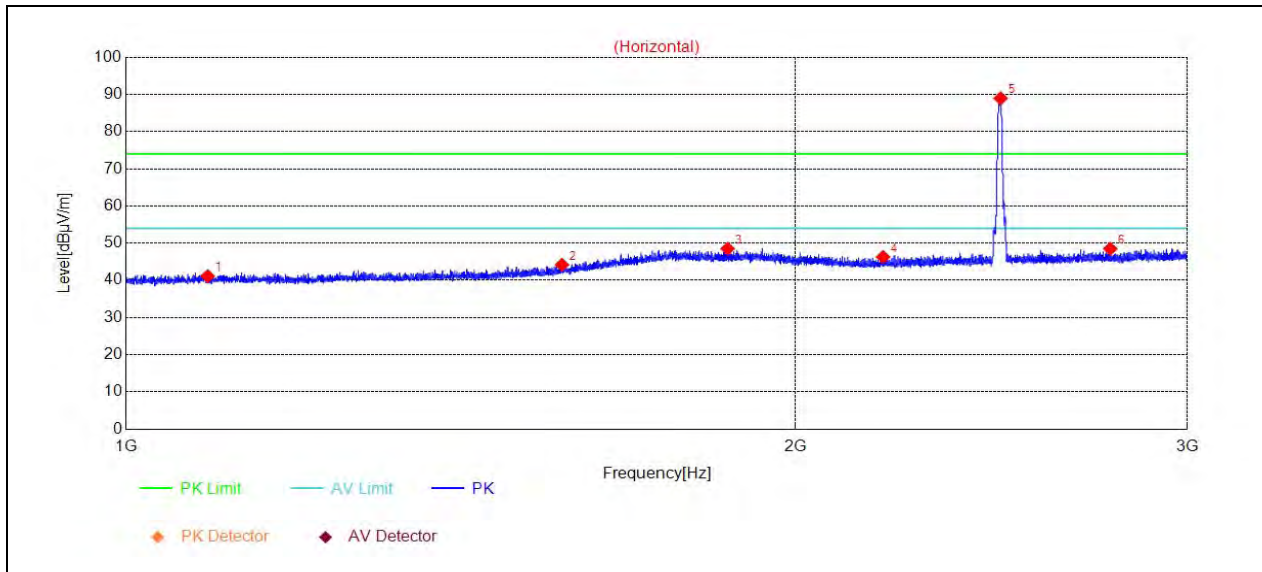
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	4884.0000	45.31	-6.06	74.00	Vertical	PK	PASS
2	6172.5000	41.39	-2.86	74.00	Vertical	PK	PASS
3	8442.0000	44.12	1.46	74.00	Vertical	PK	PASS
4	11442.0000	48.34	6.15	74.00	Vertical	PK	PASS
5	13500.0000	48.71	6.67	74.00	Vertical	PK	PASS
6	16950.0000	48.30	10.26	74.00	Vertical	PK	PASS

Plot for Channel 13



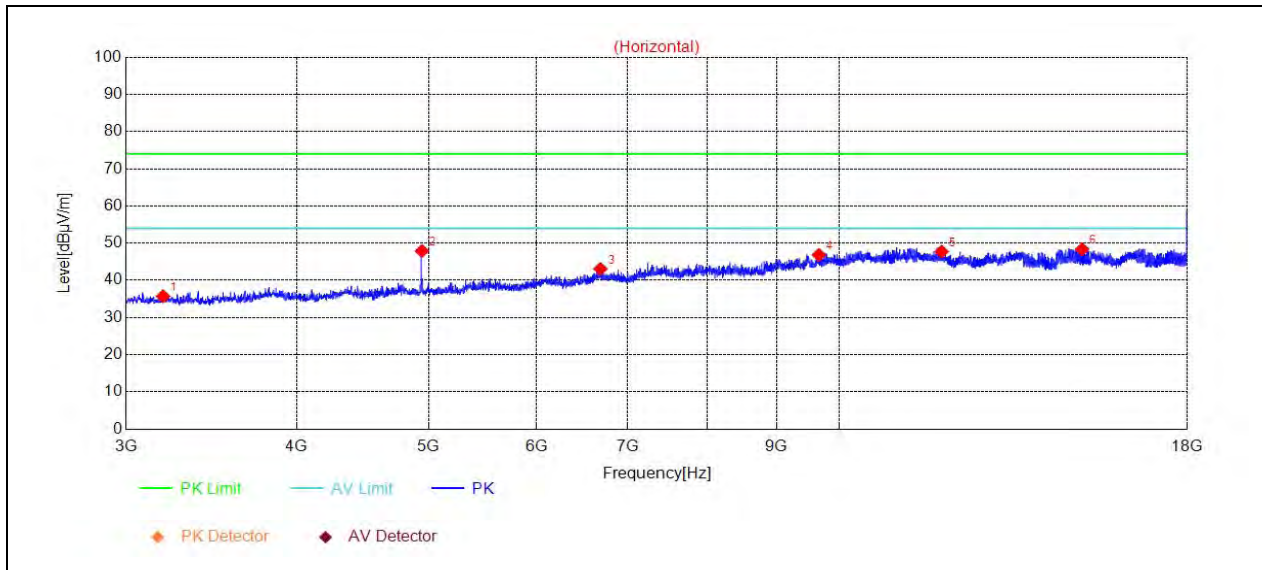
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	58.9089	24.19	-8.19	40.00	Horizontal	PK	PASS
2	148.8369	33.23	-11.72	43.50	Horizontal	PK	PASS
3	235.7576	30.33	-7.49	46.00	Horizontal	PK	PASS
4	265.3455	30.40	-6.53	46.00	Horizontal	PK	PASS
5	524.1674	29.56	-0.66	46.00	Horizontal	PK	PASS
6	960.0320	35.71	5.43	54.00	Horizontal	PK	PASS



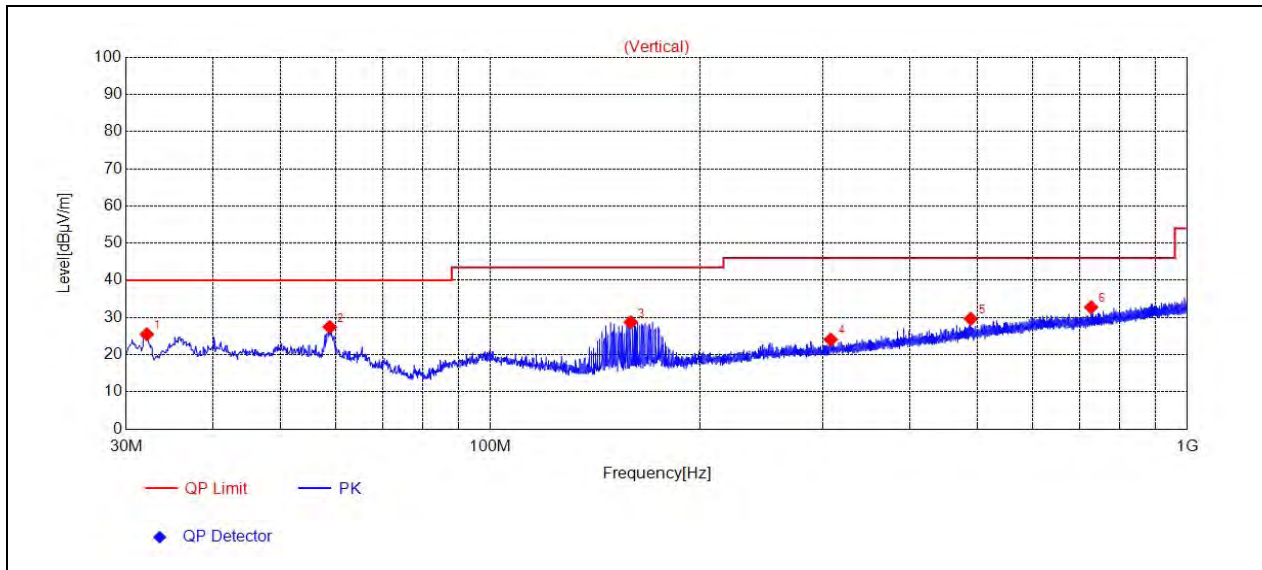
(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1088.2000	41.14	-8.11	74.00	Horizontal	PK	PASS
2	1570.4000	44.18	-5.01	74.00	Horizontal	PK	PASS
3	1864.2000	48.53	-1.60	74.00	Horizontal	PK	PASS
4	2189.6000	46.27	-3.35	74.00	Horizontal	PK	PASS
5	2473.0000	88.93	-2.73	74.00	N/A	PK	N/A
6	2770.2000	48.47	-2.14	74.00	Horizontal	PK	PASS



(3GHz to 18GHz)

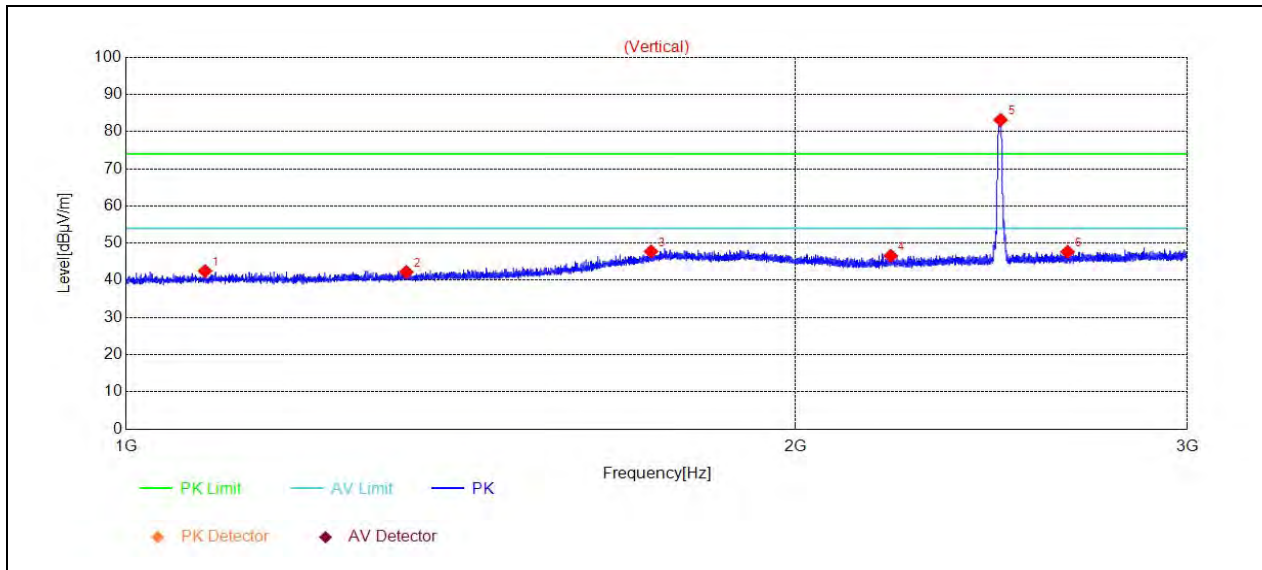
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3193.5000	35.70	-9.76	74.00	Horizontal	PK	PASS
2	4944.0000	47.90	-5.71	74.00	Horizontal	PK	PASS
3	6682.5000	43.08	-1.38	74.00	Horizontal	PK	PASS
4	9664.5000	46.85	5.13	74.00	Horizontal	PK	PASS
5	11889.0000	47.72	5.33	74.00	Horizontal	PK	PASS
6	15075.0000	48.36	8.50	74.00	Horizontal	PK	PASS



(30MHz to 1GHz)

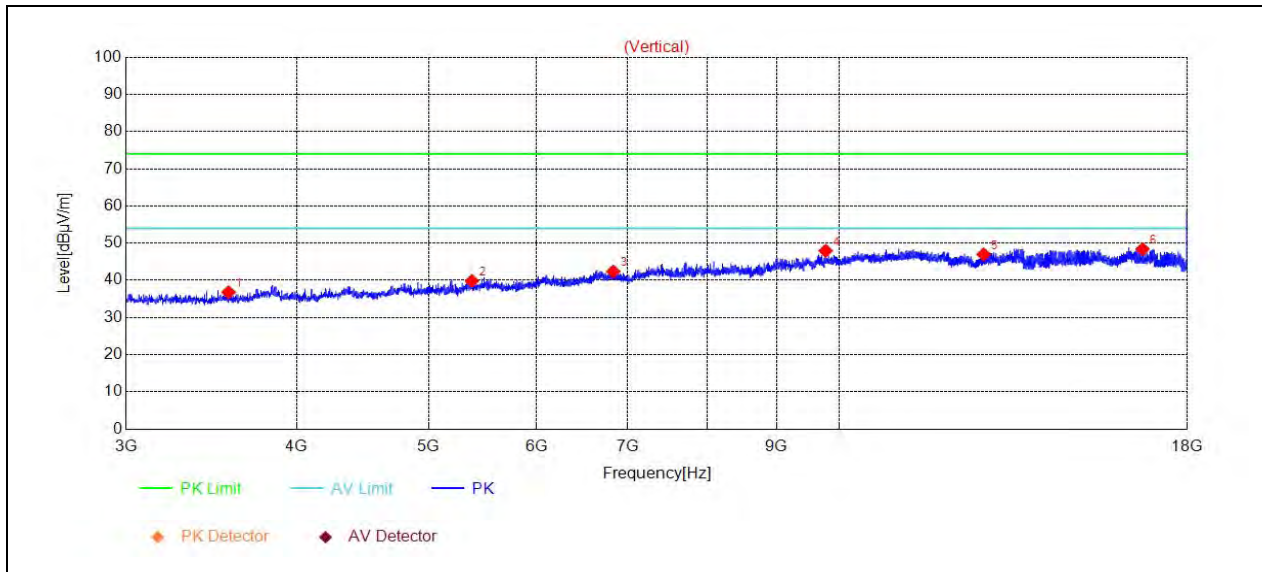
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.1342	25.49	-10.59	40.00	Vertical	PK	PASS
2	58.8119	27.46	-8.17	40.00	Vertical	PK	PASS
3	159.0229	28.75	-11.28	43.50	Vertical	PK	PASS
4	307.8358	24.09	-5.88	46.00	Vertical	PK	PASS
5	488.9529	29.65	-1.47	46.00	Vertical	PK	PASS
6	727.8878	32.75	2.07	46.00	Vertical	PK	PASS





(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1085.2000	42.50	-8.13	74.00	Vertical	PK	PASS
2	1336.8000	42.26	-7.15	74.00	Vertical	PK	PASS
3	1722.0000	47.77	-1.68	74.00	Vertical	PK	PASS
4	2207.0000	46.58	-3.32	74.00	Vertical	PK	PASS
5	2473.0000	83.13	-2.73	74.00	N/A	PK	N/A
6	2650.2000	47.66	-2.37	74.00	Vertical	PK	PASS



(3GHz to 18GHz)

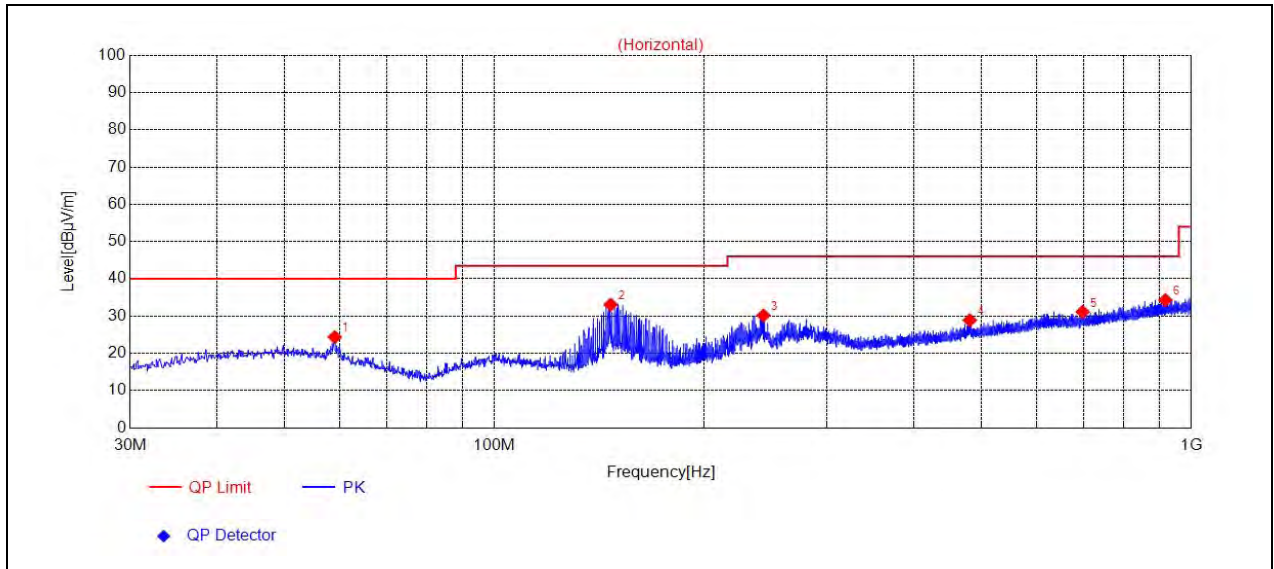
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3567.0000	36.80	-8.92	74.00	Vertical	PK	PASS
2	5380.5000	39.83	-4.25	74.00	Vertical	PK	PASS
3	6829.5000	42.38	-1.92	74.00	Vertical	PK	PASS
4	9775.5000	47.94	4.66	74.00	Vertical	PK	PASS
5	12765.0000	46.98	4.98	74.00	Vertical	PK	PASS
6	16689.0000	48.39	8.92	74.00	Vertical	PK	PASS





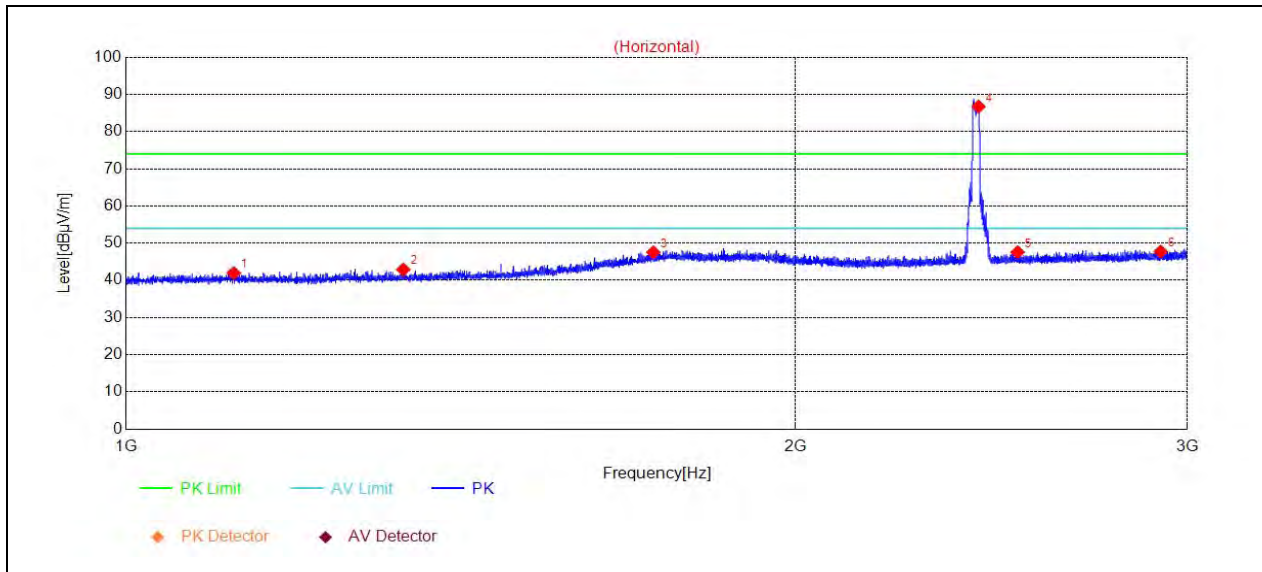
**802.11g Mode**

Plots for Channel 1



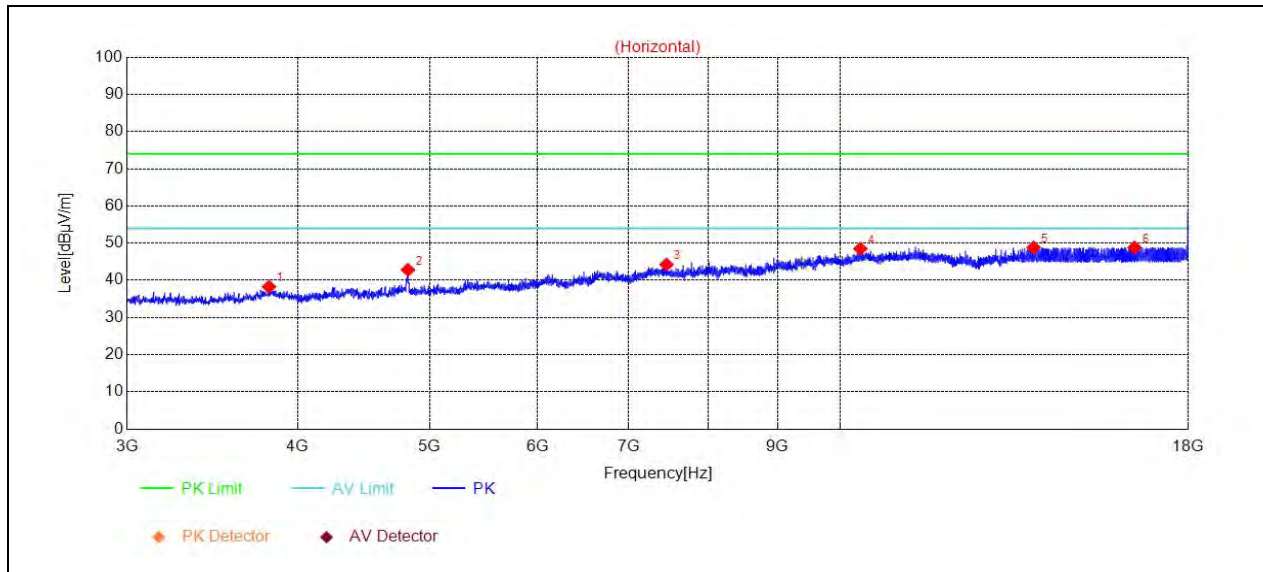
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	59.0059	24.35	-8.21	40.00	Horizontal	PK	PASS
2	146.8967	33.08	-11.79	43.50	Horizontal	PK	PASS
3	243.3243	30.18	-7.15	46.00	Horizontal	PK	PASS
4	480.9981	28.88	-1.66	46.00	Horizontal	PK	PASS
5	698.5909	31.12	1.70	46.00	Horizontal	PK	PASS
6	918.1238	34.32	5.04	46.00	Horizontal	PK	PASS



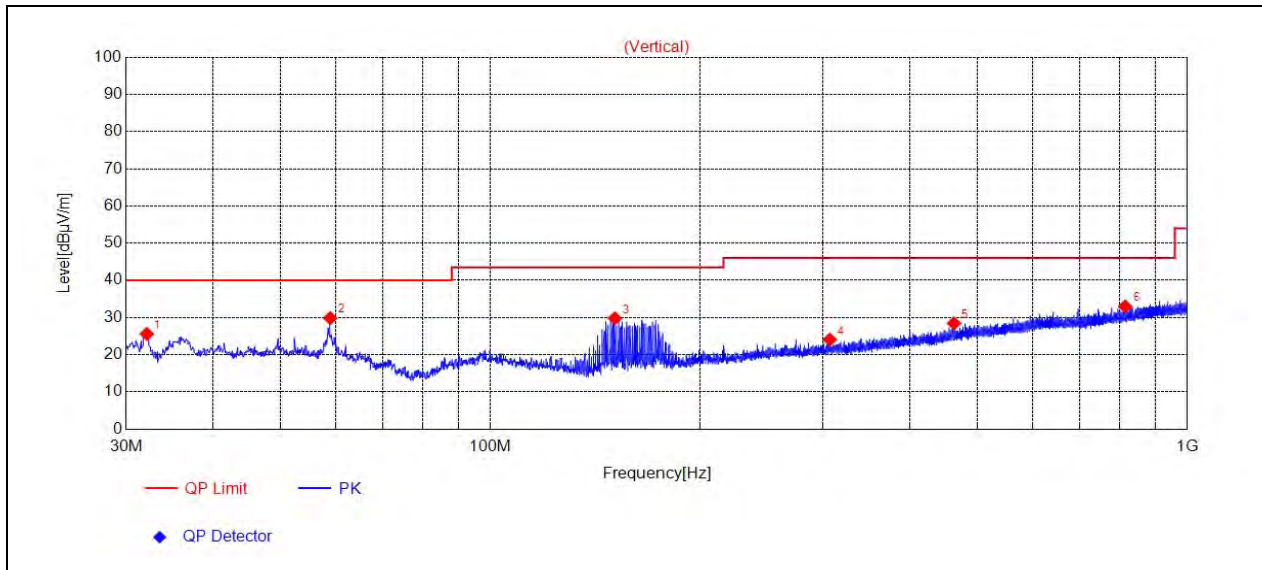
(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1118.0000	41.95	-7.97	74.00	Horizontal	PK	PASS
2	1332.4000	42.90	-7.17	74.00	Horizontal	PK	PASS
3	1726.2000	47.54	-1.59	74.00	Horizontal	PK	PASS
4	2417.0000	86.73	-2.89	74.00	N/A	PK	N/A
5	2516.8000	47.57	-2.56	74.00	Horizontal	PK	PASS
6	2918.6000	47.73	-1.80	74.00	Horizontal	PK	PASS



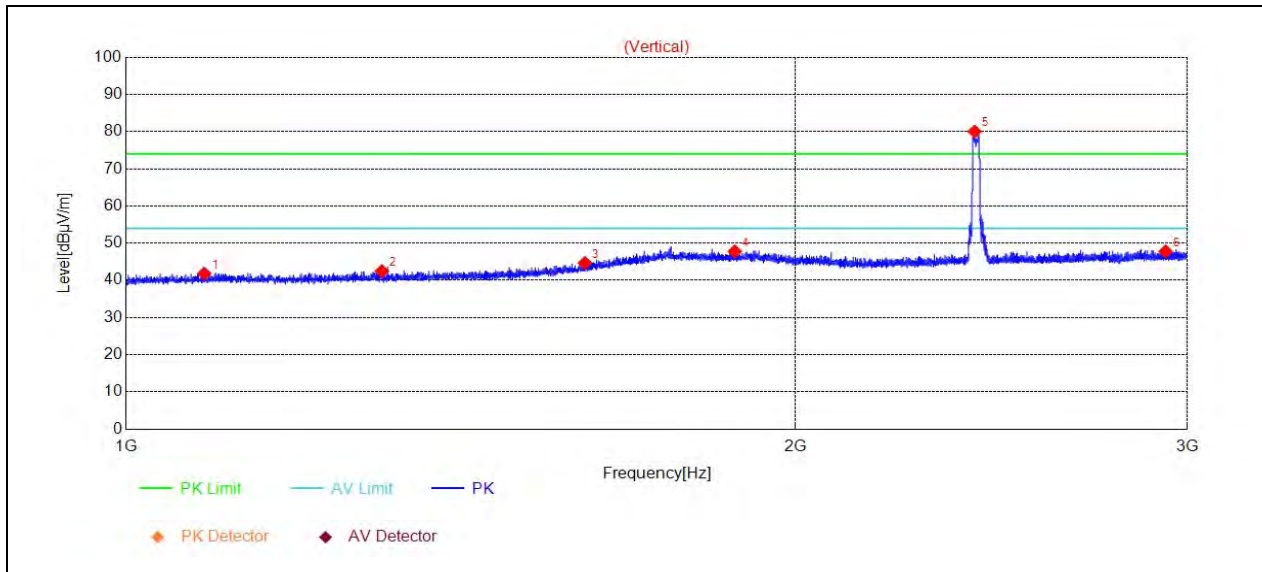
(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3813.0000	38.26	-7.61	74.00	Horizontal	PK	PASS
2	4821.0000	42.83	-5.65	74.00	Horizontal	PK	PASS
3	7459.5000	44.22	0.13	74.00	Horizontal	PK	PASS
4	10348.5000	48.49	5.57	74.00	Horizontal	PK	PASS
5	13863.0000	48.81	7.59	74.00	Horizontal	PK	PASS
6	16441.5000	48.81	8.01	74.00	Horizontal	PK	PASS



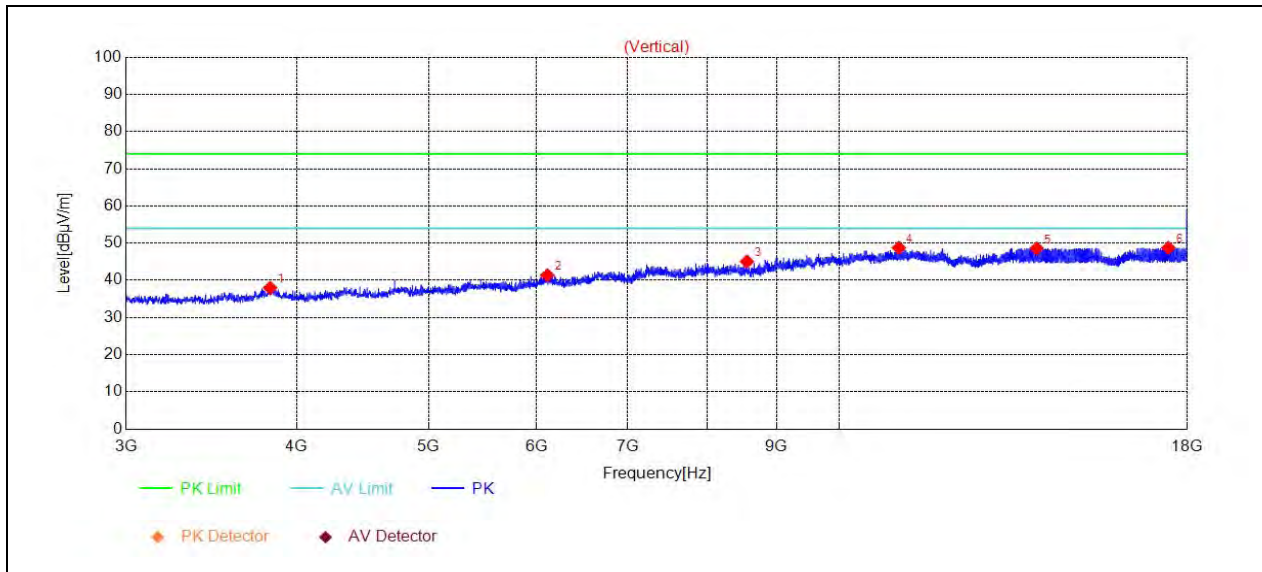
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.1342	25.59	-10.59	40.00	Vertical	PK	PASS
2	58.9089	29.85	-8.19	40.00	Vertical	PK	PASS
3	150.8741	29.78	-11.65	43.50	Vertical	PK	PASS
4	306.9627	24.06	-5.92	46.00	Vertical	PK	PASS
5	462.6633	28.42	-2.01	46.00	Vertical	PK	PASS
6	814.8085	32.98	3.49	46.00	Vertical	PK	PASS



(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1084.4000	41.82	-8.13	74.00	Vertical	PK	PASS
2	1303.4000	42.48	-7.27	74.00	Vertical	PK	PASS
3	1608.0000	44.66	-4.25	74.00	Vertical	PK	PASS
4	1878.0000	47.78	-1.52	74.00	Vertical	PK	PASS
5	2407.2000	80.00	-2.89	74.00	N/A	PK	N/A
6	2933.6000	47.79	-1.82	74.00	Vertical	PK	PASS

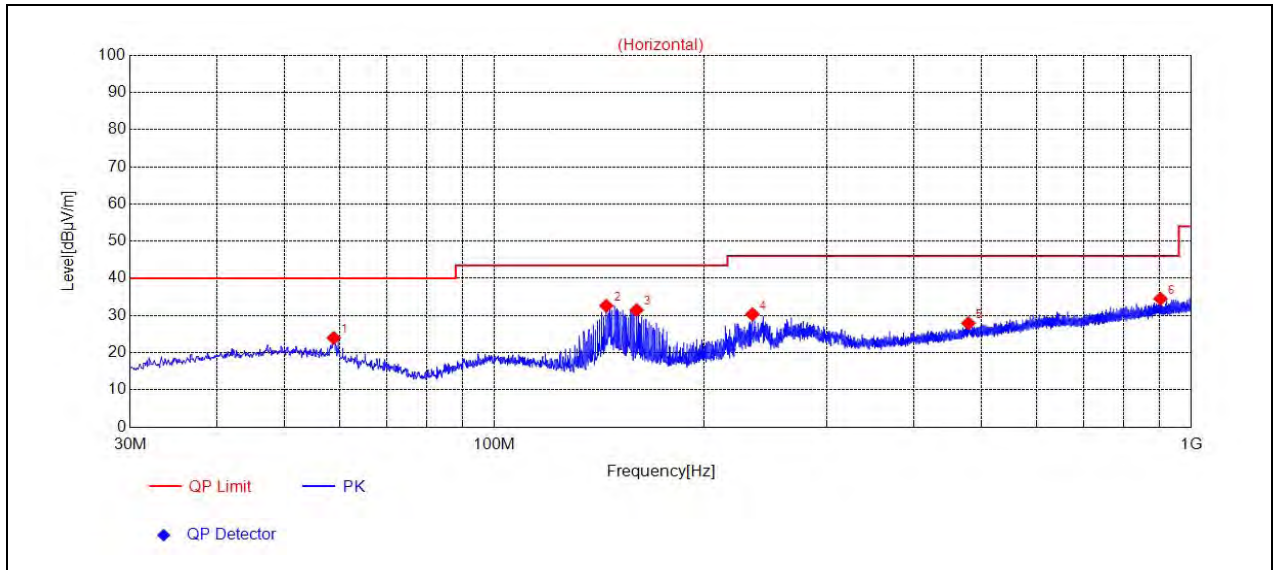


(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3826.5000	37.99	-7.58	74.00	Vertical	PK	PASS
2	6109.5000	41.40	-2.64	74.00	Vertical	PK	PASS
3	8559.0000	45.04	1.67	74.00	Vertical	PK	PASS
4	11062.5000	48.75	6.10	74.00	Vertical	PK	PASS
5	13959.0000	48.61	8.12	74.00	Vertical	PK	PASS
6	17436.0000	48.75	14.31	74.00	Vertical	PK	PASS

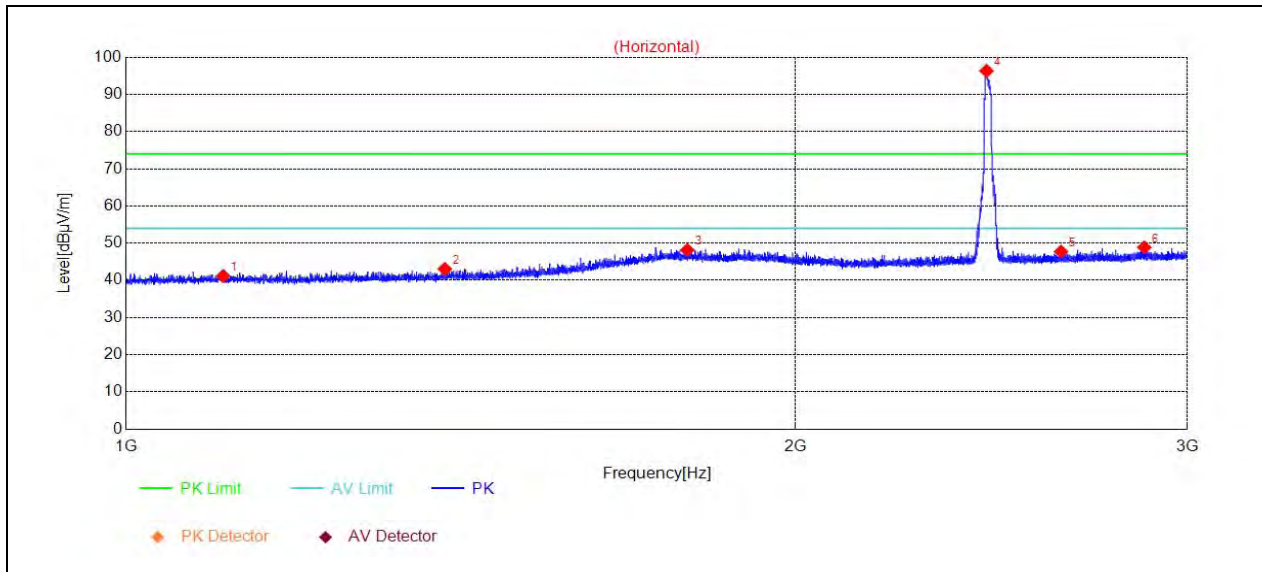


Plot for Channel 7



(30MHz to 1GHz)

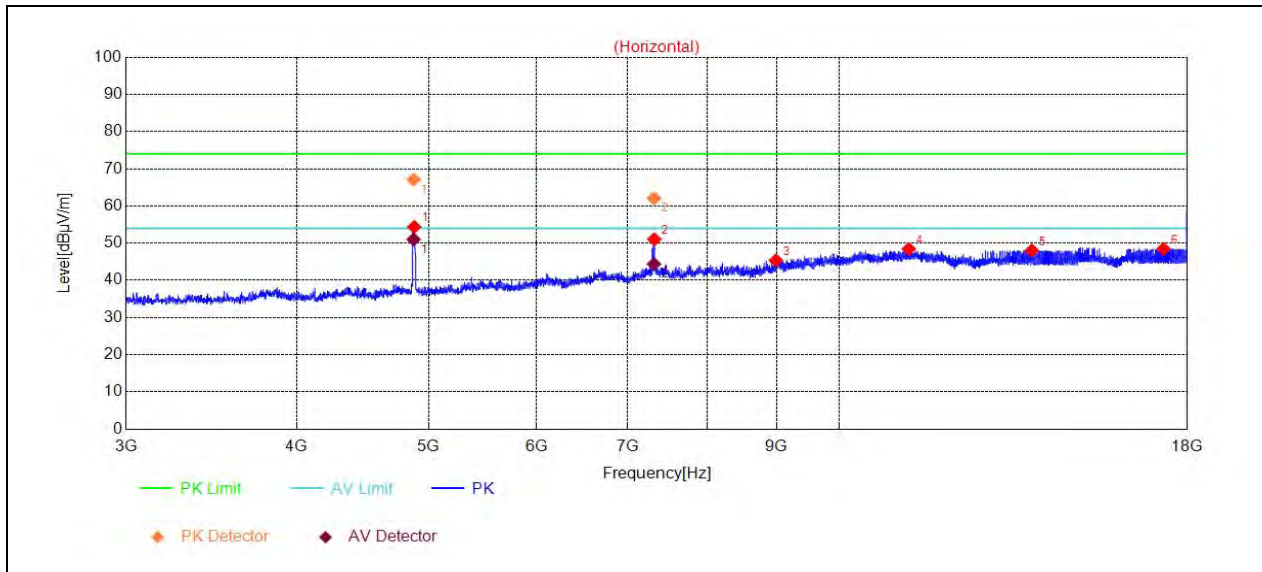
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	58.8119	23.97	-8.17	40.00	Horizontal	PK	PASS
2	144.7625	32.62	-11.89	43.50	Horizontal	PK	PASS
3	159.9930	31.46	-11.26	43.50	Horizontal	PK	PASS
4	234.5935	30.34	-7.55	46.00	Horizontal	PK	PASS
5	478.8639	27.92	-1.70	46.00	Horizontal	PK	PASS
6	903.3783	34.51	4.90	46.00	Horizontal	PK	PASS



(1GHz to 3GHz)

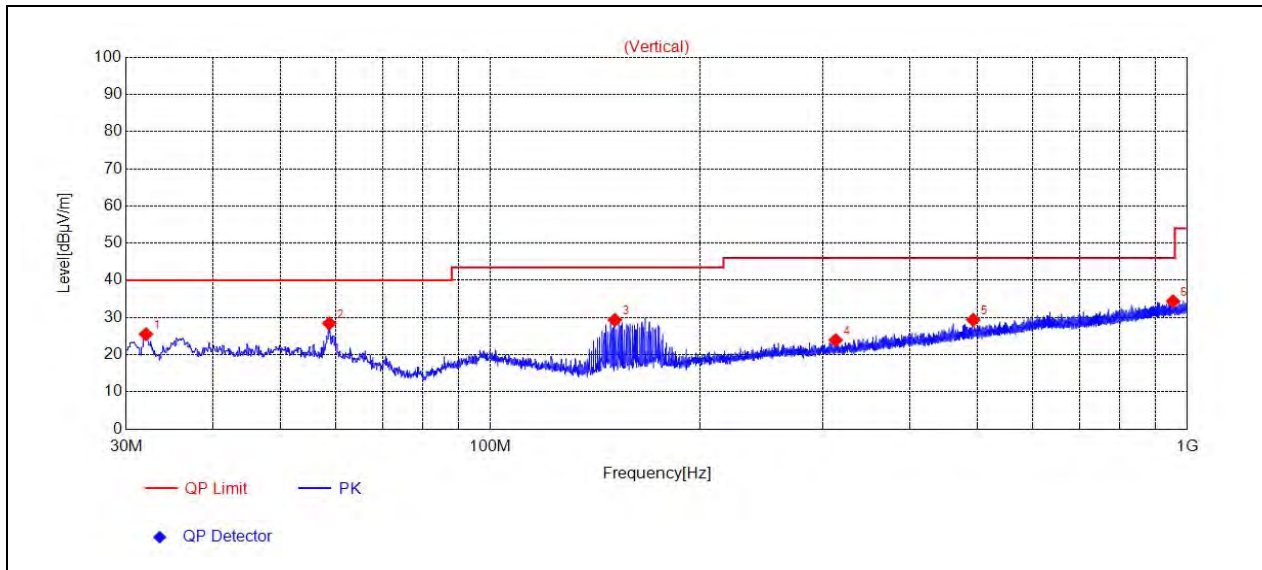
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1105.8000	41.16	-8.01	74.00	Horizontal	PK	PASS
2	1391.0000	43.07	-6.79	74.00	Horizontal	PK	PASS
3	1788.0000	48.13	-1.27	74.00	Horizontal	PK	PASS
4	2437.2000	96.31	-2.88	74.00	N/A	PK	N/A
5	2632.6000	47.72	-2.39	74.00	Horizontal	PK	PASS
6	2869.6000	48.84	-1.67	74.00	Horizontal	PK	PASS





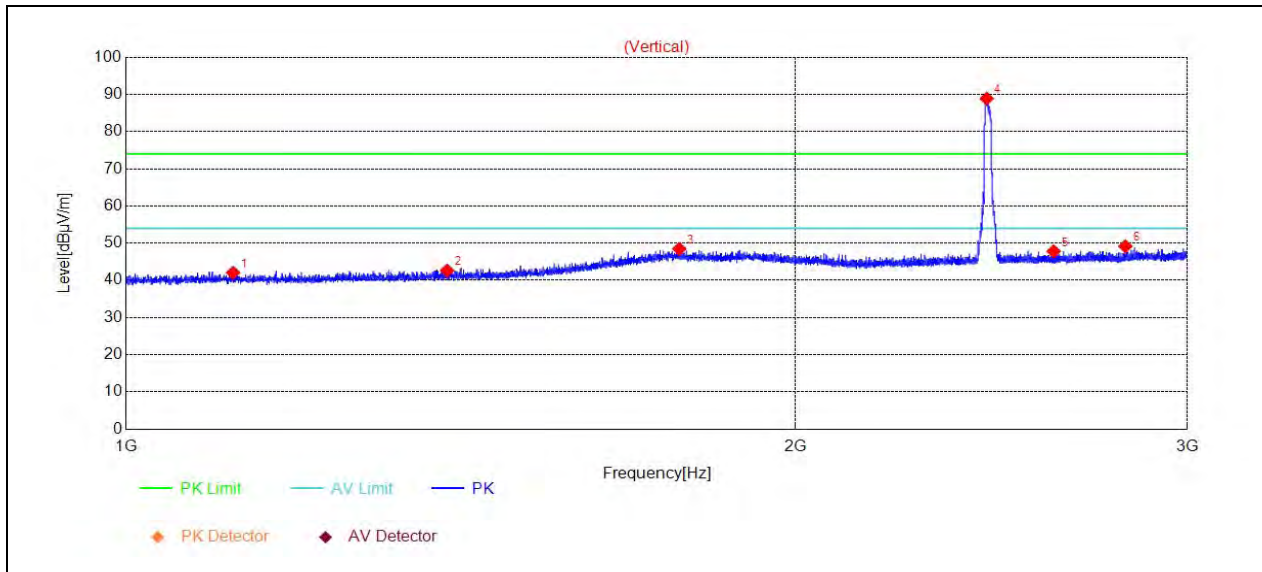
(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	4875.1410	67.09	-6.05	74.00	Horizontal	PK	PASS
2	7315.8654	62.03	-0.13	74.00	Horizontal	PK	PASS
3	8988.0000	45.37	3.27	74.00	Horizontal	PK	PASS
4	11248.5000	48.44	6.08	74.00	Horizontal	PK	PASS
5	13845.0000	48.02	7.45	74.00	Horizontal	PK	PASS
6	17293.5000	48.47	12.75	74.00	Horizontal	PK	PASS



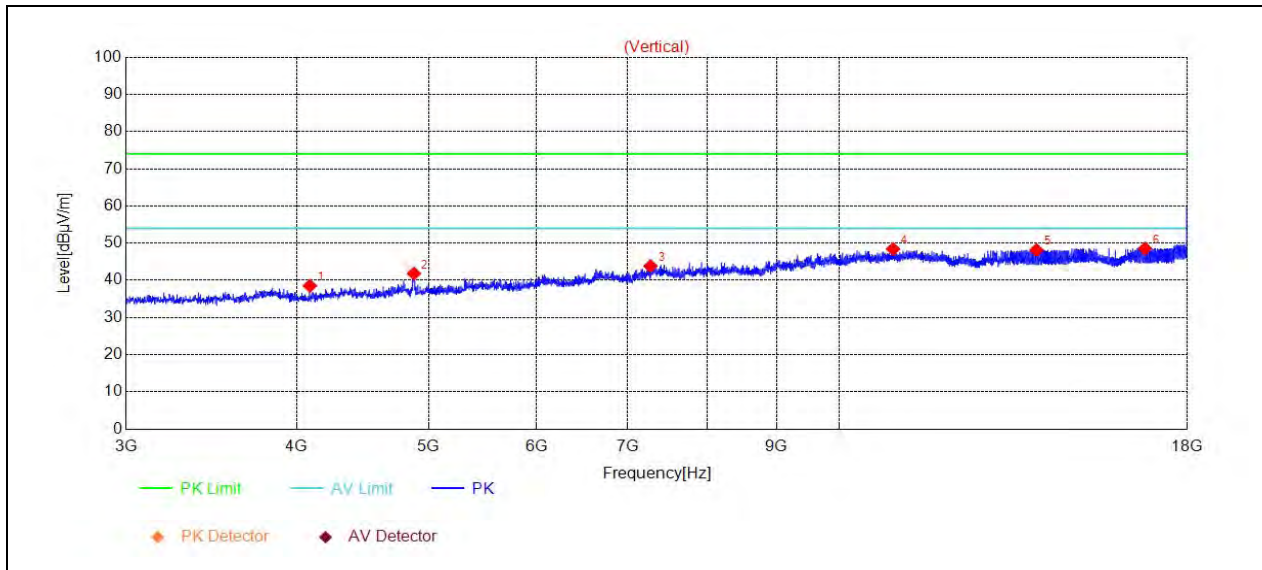
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.0372	25.49	-10.63	40.00	Vertical	PK	PASS
2	58.7149	28.43	-8.16	40.00	Vertical	PK	PASS
3	150.8741	29.34	-11.65	43.50	Vertical	PK	PASS
4	312.9773	23.92	-5.70	46.00	Vertical	PK	PASS
5	493.0273	29.38	-1.38	46.00	Vertical	PK	PASS
6	954.3084	34.38	5.45	46.00	Vertical	PK	PASS



(1GHz to 3GHz)

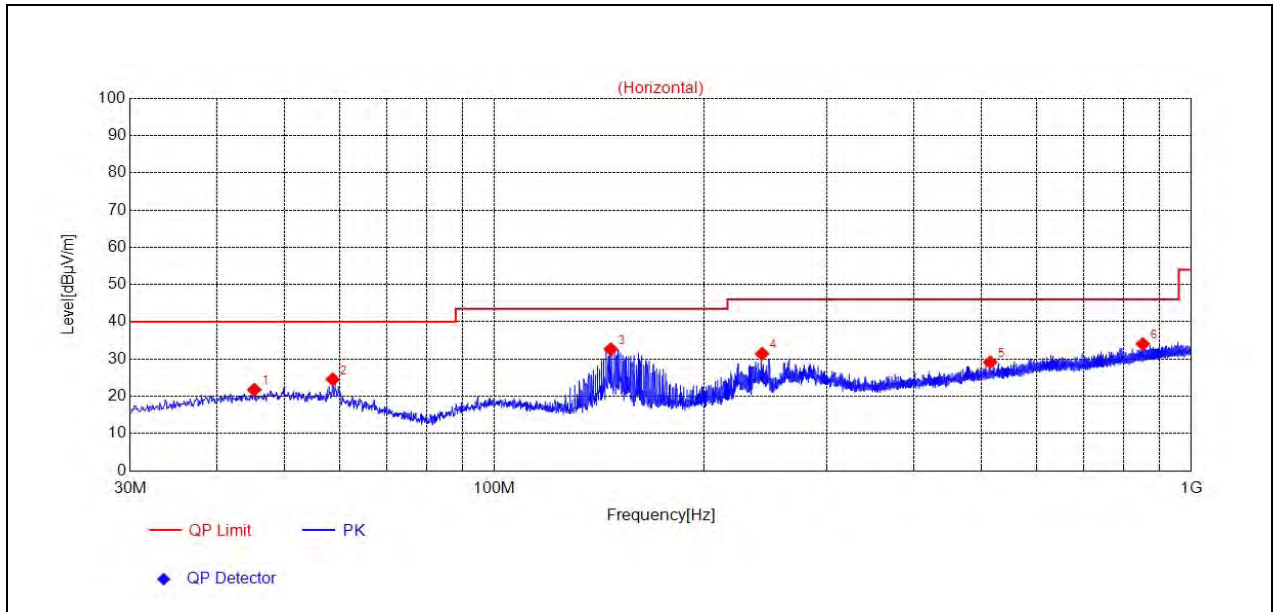
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1117.2000	42.06	-7.97	74.00	Vertical	PK	PASS
2	1394.4000	42.64	-6.76	74.00	Vertical	PK	PASS
3	1773.2000	48.45	-1.18	74.00	Vertical	PK	PASS
4	2437.6000	88.86	-2.88	74.00	N/A	PK	N/A
5	2612.4000	47.81	-2.42	74.00	Vertical	PK	PASS
6	2813.8000	49.16	-2.14	74.00	Vertical	PK	PASS



(3GHz to 18GHz)

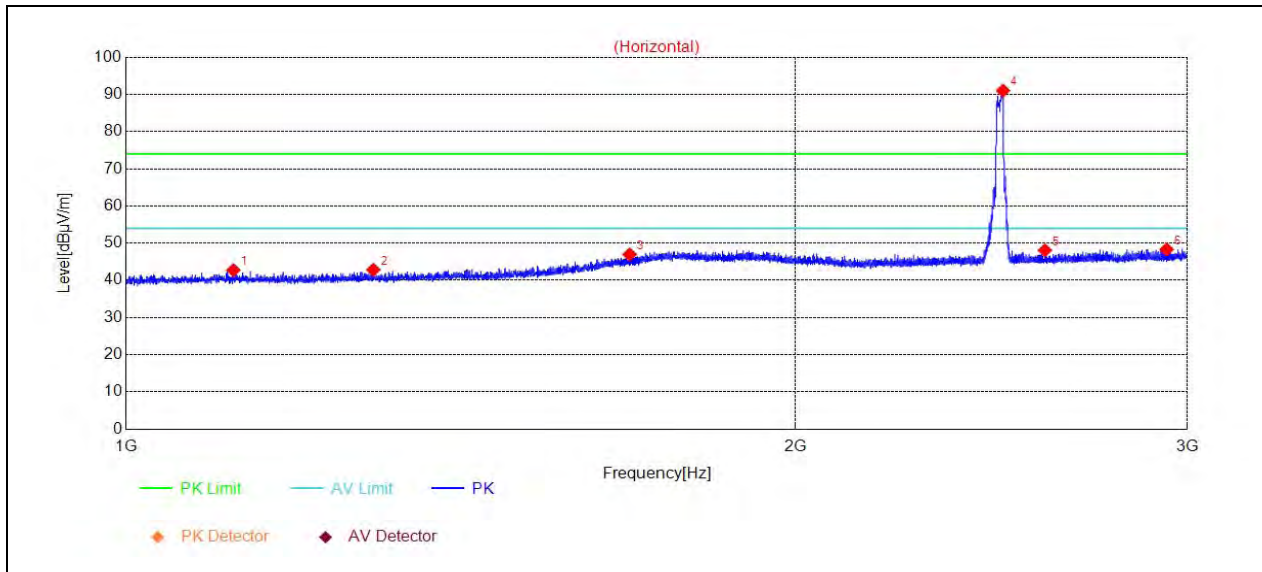
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	4092.0000	38.53	-8.16	74.00	Vertical	PK	PASS
2	4878.0000	41.81	-6.05	74.00	Vertical	PK	PASS
3	7273.5000	43.84	-0.13	74.00	Vertical	PK	PASS
4	10953.0000	48.43	6.18	74.00	Vertical	PK	PASS
5	13954.5000	48.16	8.13	74.00	Vertical	PK	PASS
6	16762.5000	48.56	9.66	74.00	Vertical	PK	PASS

Plot for Channel 13



(30MHz to 1GHz)

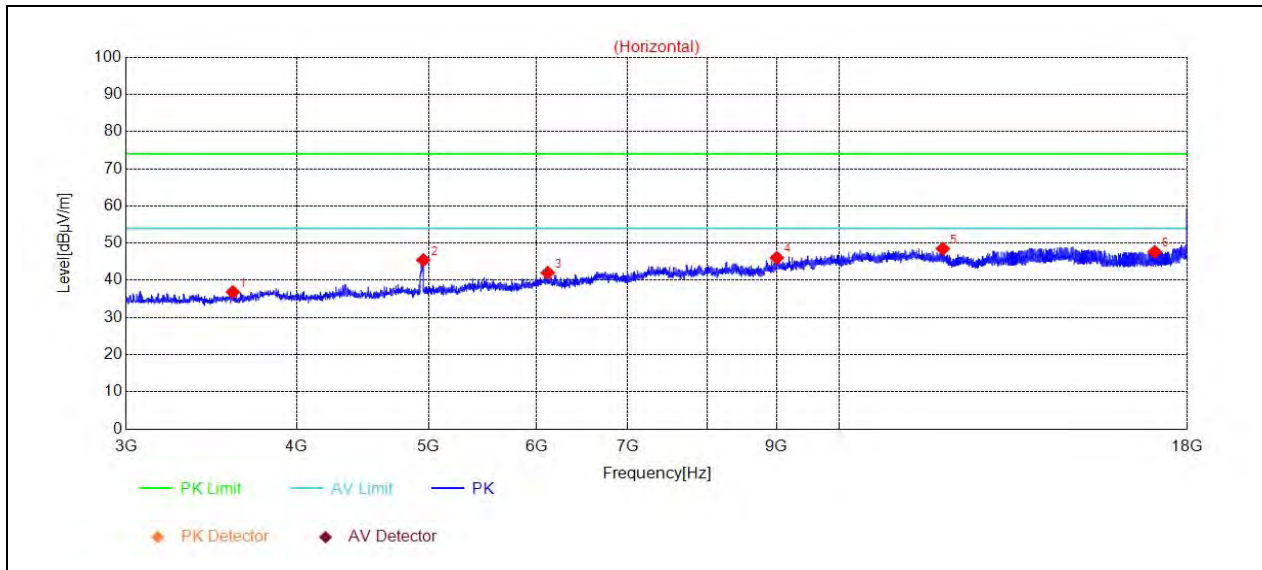
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	45.2305	21.75	-7.31	40.00	Horizontal	PK	PASS
2	58.6179	24.57	-8.14	40.00	Horizontal	PK	PASS
3	146.8967	32.67	-11.79	43.50	Horizontal	PK	PASS
4	242.1602	31.42	-7.20	46.00	Horizontal	PK	PASS
5	514.6605	29.15	-0.86	46.00	Horizontal	PK	PASS
6	852.0602	34.04	4.05	46.00	Horizontal	PK	PASS



(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1117.6000	42.73	-7.97	74.00	Horizontal	PK	PASS
2	1291.8000	42.82	-7.32	74.00	Horizontal	PK	PASS
3	1684.2000	46.96	-2.47	74.00	Horizontal	PK	PASS
4	2479.2000	91.01	-2.69	74.00	N/A	PK	N/A
5	2589.0000	48.07	-2.47	74.00	Horizontal	PK	PASS
6	2936.8000	48.32	-1.82	74.00	Horizontal	PK	PASS

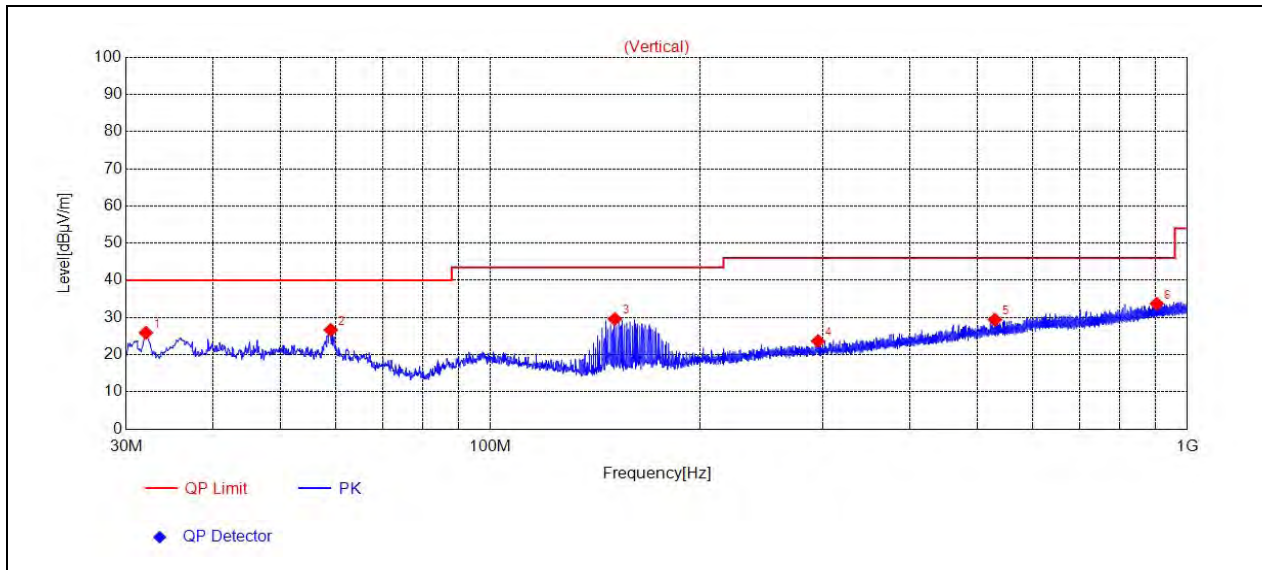




(3GHz to 18GHz)

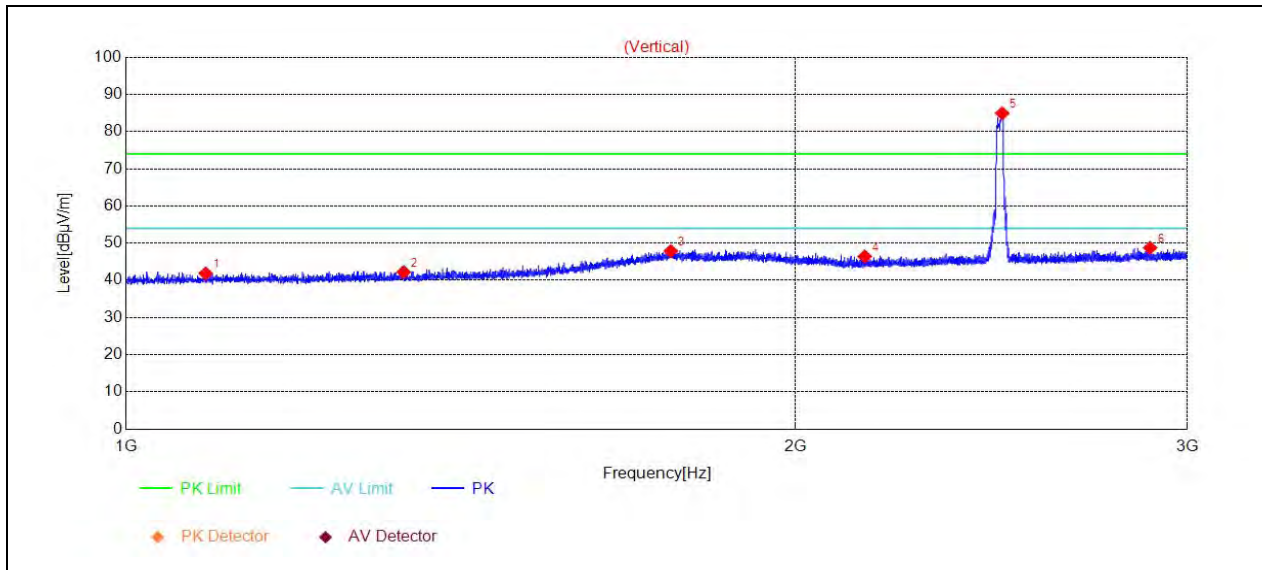
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	3592.5000	36.84	-9.01	74.00	Horizontal	PK	PASS
2	4956.0000	45.44	-5.62	74.00	Horizontal	PK	PASS
3	6114.0000	42.03	-2.66	74.00	Horizontal	PK	PASS
4	9003.0000	46.04	3.51	74.00	Horizontal	PK	PASS
5	11914.5000	48.49	5.28	74.00	Horizontal	PK	PASS
6	17035.5000	47.64	10.77	74.00	Horizontal	PK	PASS





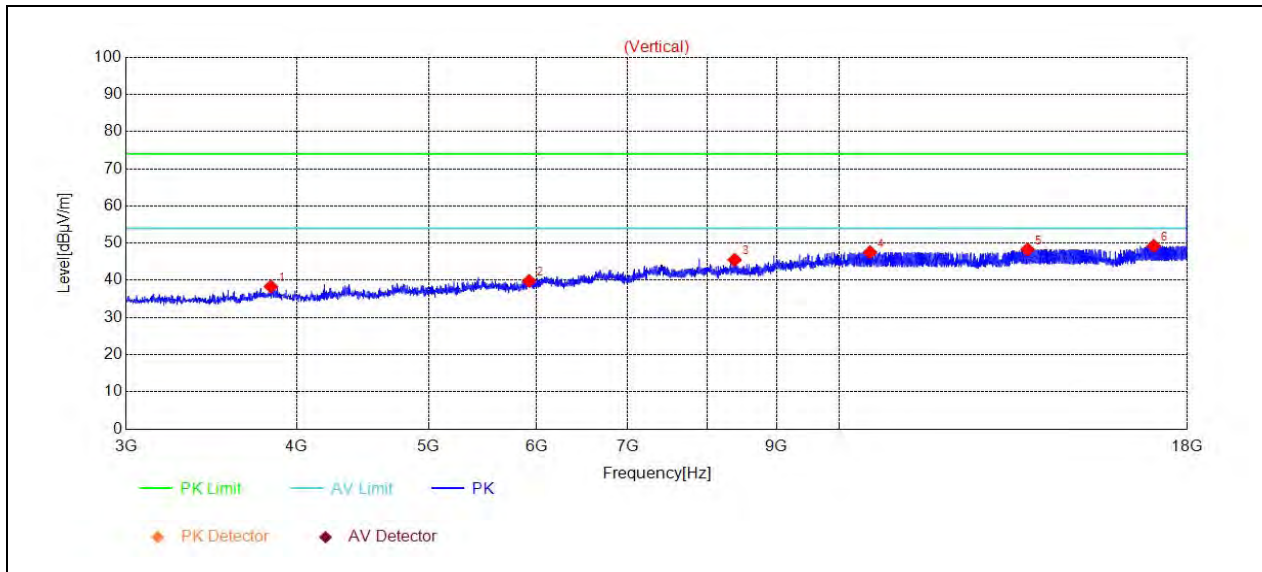
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	32.0372	25.90	-10.63	40.00	Vertical	PK	PASS
2	59.0059	26.65	-8.21	40.00	Vertical	PK	PASS
3	150.8741	29.58	-11.65	43.50	Vertical	PK	PASS
4	295.2245	23.67	-6.23	46.00	Vertical	PK	PASS
5	529.5030	29.42	-0.51	46.00	Vertical	PK	PASS
6	904.3484	33.69	4.90	46.00	Vertical	PK	PASS



(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1086.0000	41.87	-8.12	74.00	Vertical	PK	PASS
2	1333.0000	42.22	-7.17	74.00	Vertical	PK	PASS
3	1757.6000	47.87	-1.09	74.00	Vertical	PK	PASS
4	2148.6000	46.42	-3.54	74.00	Vertical	PK	PASS
5	2477.0000	84.91	-2.70	74.00	N/A	PK	N/A
6	2886.8000	48.74	-1.73	74.00	Vertical	PK	PASS



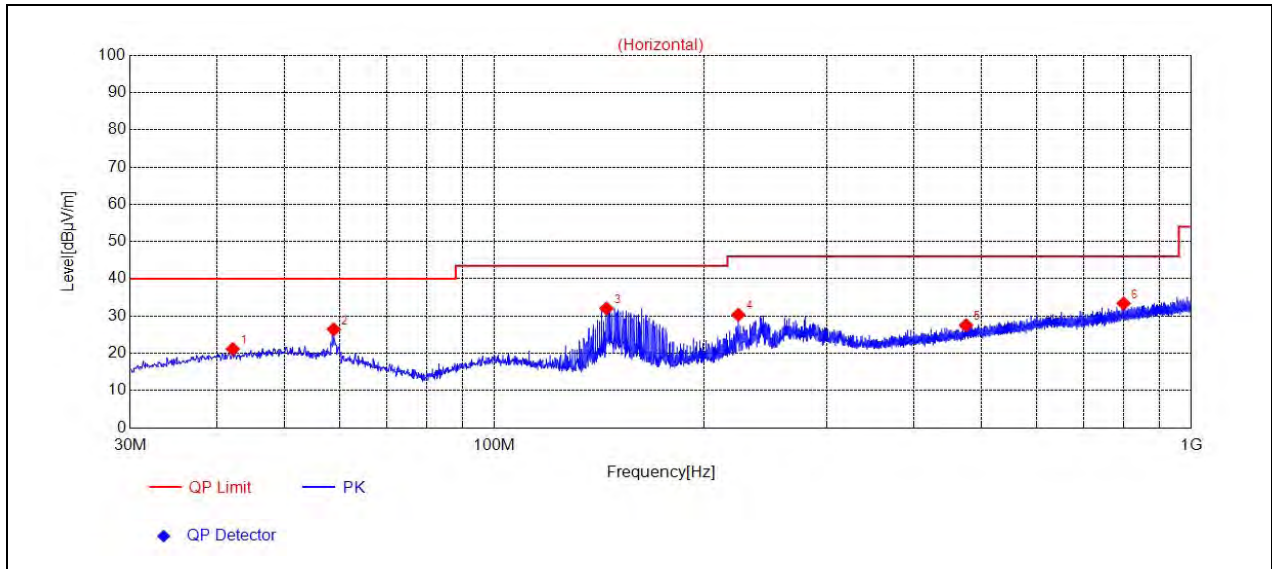
(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3831.0000	38.34	-7.57	74.00	Vertical	PK	PASS
2	5926.5000	39.85	-3.88	74.00	Vertical	PK	PASS
3	8382.0000	45.52	1.95	74.00	Vertical	PK	PASS
4	10534.5000	47.55	5.55	74.00	Vertical	PK	PASS
5	13746.0000	48.33	7.10	74.00	Vertical	PK	PASS
6	17007.0000	49.24	10.84	74.00	Vertical	PK	PASS



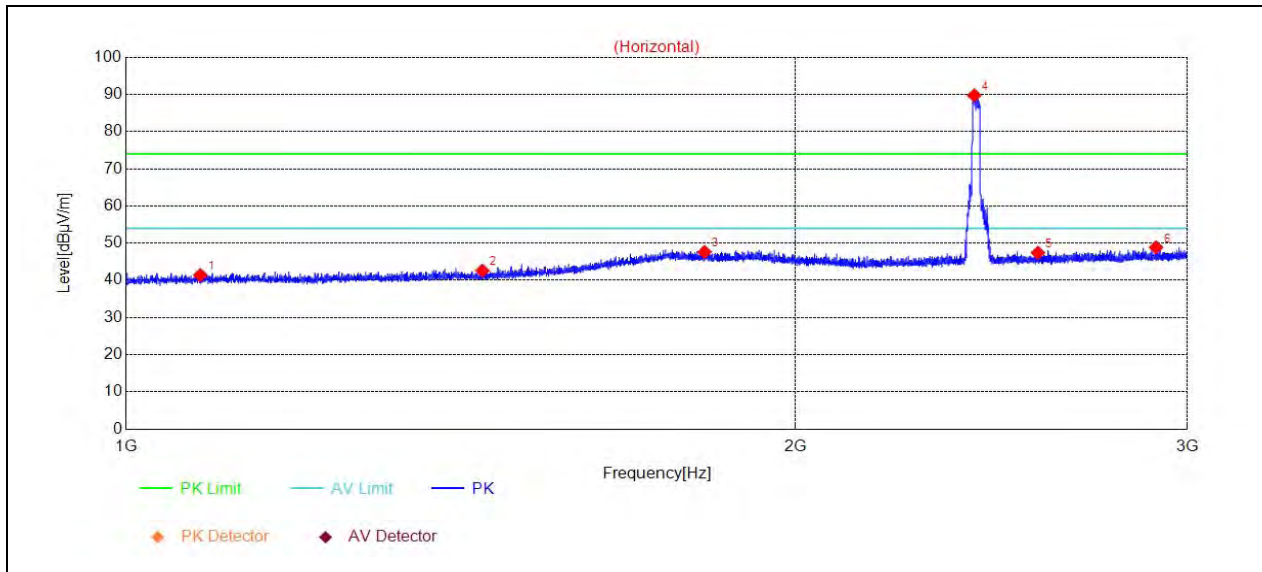
**802.11n (HT20) Mode**

Plots for Channel 1



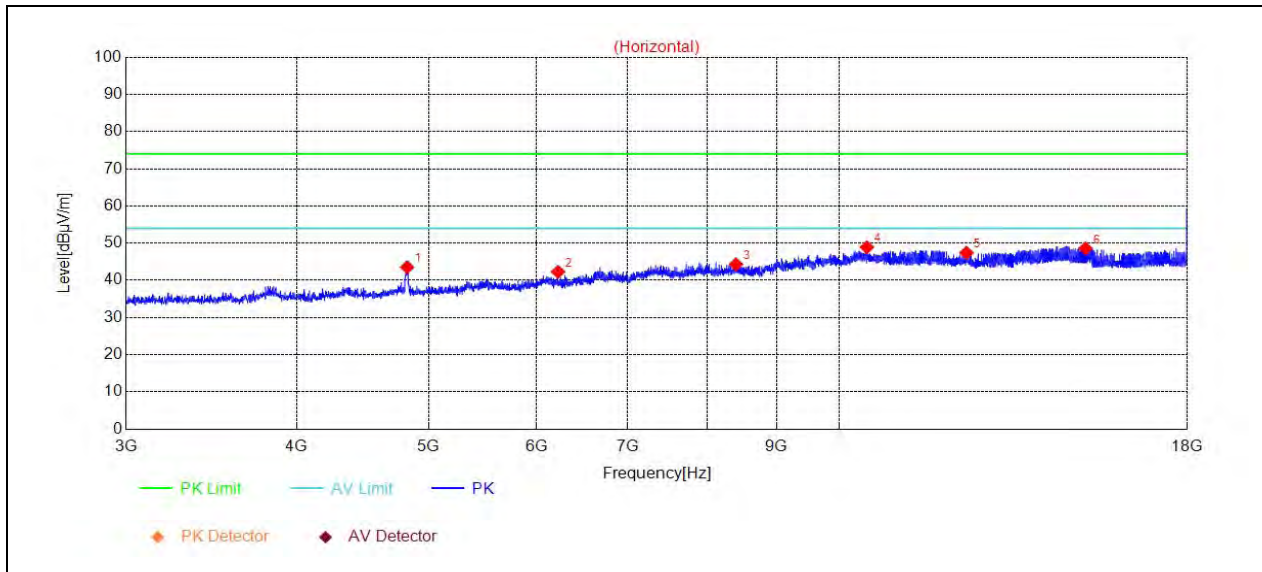
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	42.1262	21.15	-7.74	40.00	Horizontal	PK	PASS
2	58.8119	26.42	-8.17	40.00	Horizontal	PK	PASS
3	144.8595	32.05	-11.89	43.50	Horizontal	PK	PASS
4	223.9224	30.35	-8.26	46.00	Horizontal	PK	PASS
5	475.2745	27.52	-1.78	46.00	Horizontal	PK	PASS
6	799.7720	33.39	3.29	46.00	Horizontal	PK	PASS



(1GHz to 3GHz)

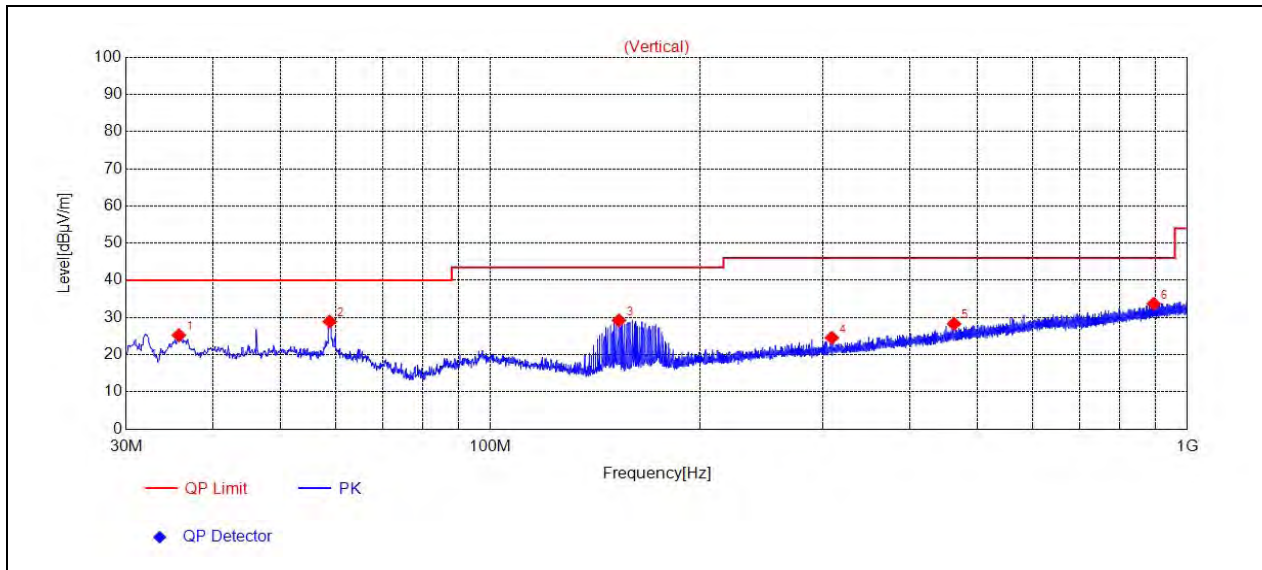
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1080.0000	41.41	-8.16	74.00	Horizontal	PK	PASS
2	1446.2000	42.62	-6.71	74.00	Horizontal	PK	PASS
3	1820.2000	47.63	-1.48	74.00	Horizontal	PK	PASS
4	2406.4000	89.73	-2.89	74.00	N/A	PK	N/A
5	2570.4000	47.40	-2.52	74.00	Horizontal	PK	PASS
6	2904.6000	48.86	-1.78	74.00	Horizontal	PK	PASS



(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	4822.5000	43.52	-5.67	74.00	Horizontal	PK	PASS
2	6222.0000	42.30	-3.16	74.00	Horizontal	PK	PASS
3	8403.0000	44.28	1.99	74.00	Horizontal	PK	PASS
4	10480.5000	48.89	5.77	74.00	Horizontal	PK	PASS
5	12399.0000	47.40	4.82	74.00	Horizontal	PK	PASS
6	15159.0000	48.59	8.34	74.00	Horizontal	PK	PASS

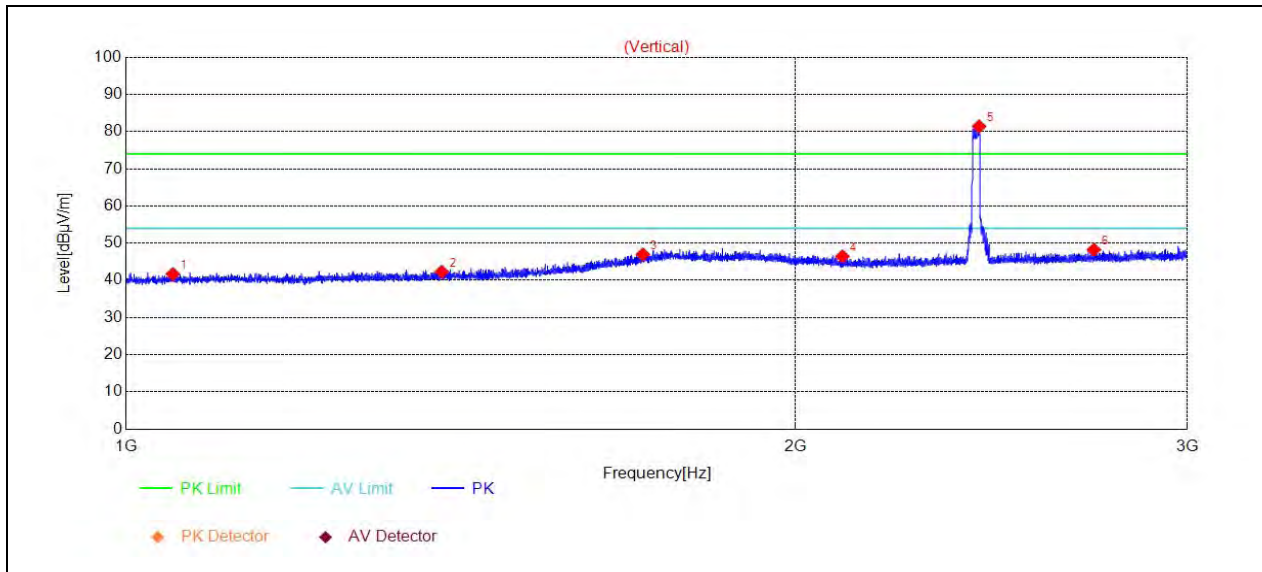




(30MHz to 1GHz)

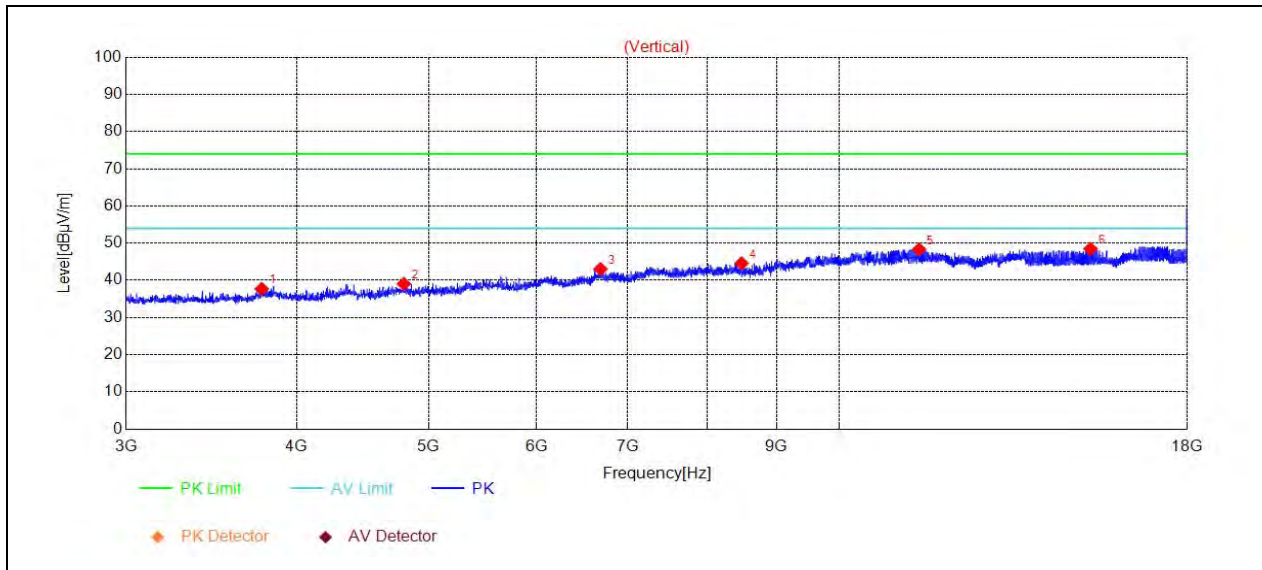
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	35.7236	25.24	-9.45	40.00	Vertical	PK	PASS
2	58.8119	28.90	-8.17	40.00	Vertical	PK	PASS
3	152.9113	29.22	-11.58	43.50	Vertical	PK	PASS
4	308.9999	24.56	-5.84	46.00	Vertical	PK	PASS
5	462.6633	28.29	-2.01	46.00	Vertical	PK	PASS
6	895.0355	33.69	4.88	46.00	Vertical	PK	PASS





(1GHz to 3GHz)

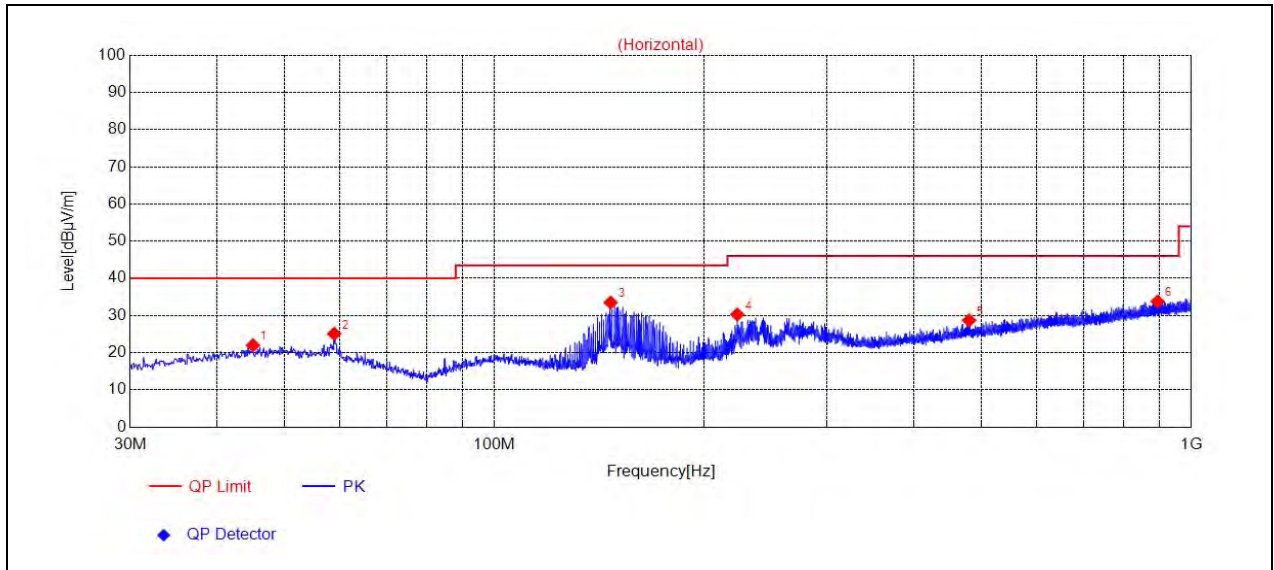
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1049.6000	41.70	-8.36	74.00	Vertical	PK	PASS
2	1386.6000	42.33	-6.82	74.00	Vertical	PK	PASS
3	1707.6000	46.98	-2.02	74.00	Vertical	PK	PASS
4	2099.4000	46.43	-3.35	74.00	Vertical	PK	PASS
5	2418.2000	81.40	-2.89	74.00	N/A	PK	N/A
6	2723.6000	48.24	-2.05	74.00	Vertical	PK	PASS



(3GHz to 18GHz)

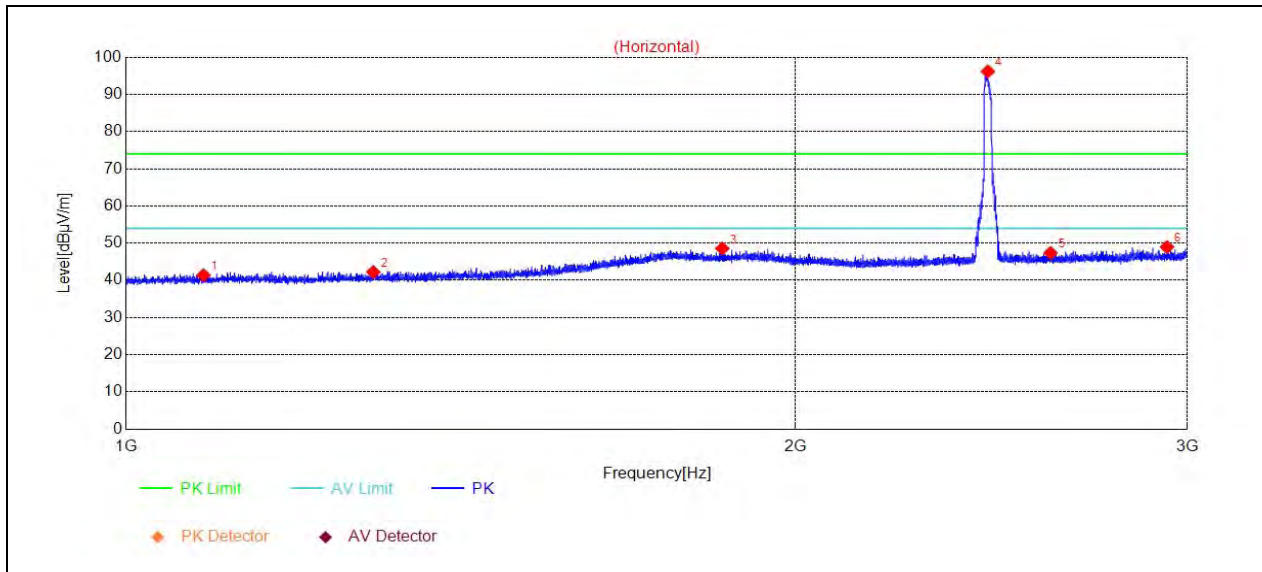
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	3772.5000	37.70	-7.88	74.00	Vertical	PK	PASS
2	4795.5000	39.04	-5.42	74.00	Vertical	PK	PASS
3	6684.0000	43.04	-1.38	74.00	Vertical	PK	PASS
4	8482.5000	44.58	1.43	74.00	Vertical	PK	PASS
5	11446.5000	48.32	6.16	74.00	Vertical	PK	PASS
6	15286.5000	48.46	7.84	74.00	Vertical	PK	PASS

Plot for Channel 7



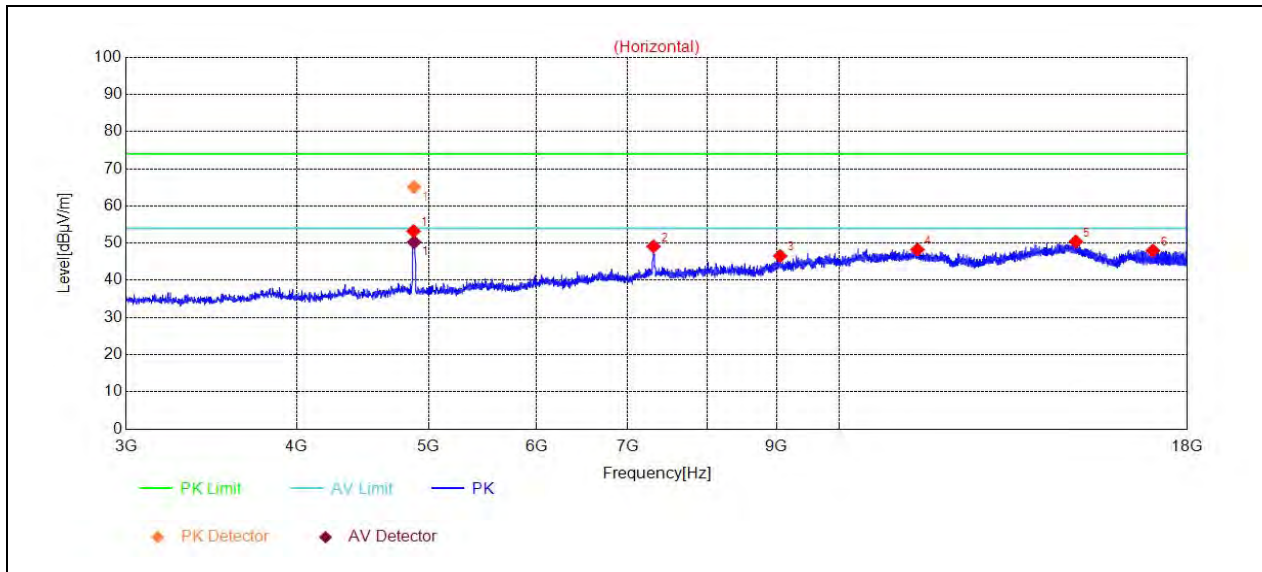
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	45.0365	22.01	-7.34	40.00	Horizontal	PK	PASS
2	58.9089	25.08	-8.19	40.00	Horizontal	PK	PASS
3	146.7997	33.49	-11.79	43.50	Horizontal	PK	PASS
4	223.1463	30.28	-8.29	46.00	Horizontal	PK	PASS
5	480.0280	28.72	-1.67	46.00	Horizontal	PK	PASS
6	894.8415	33.78	4.88	46.00	Horizontal	PK	PASS



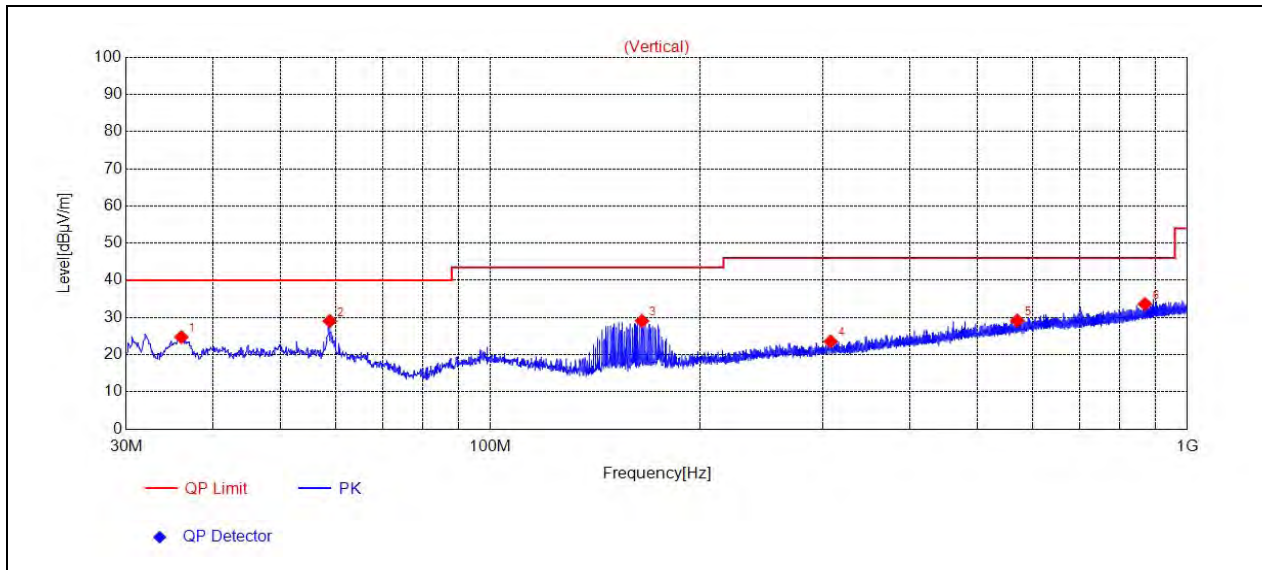
(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1083.6000	41.39	-8.14	74.00	Horizontal	PK	PASS
2	1291.8000	42.24	-7.32	74.00	Horizontal	PK	PASS
3	1853.8000	48.58	-1.66	74.00	Horizontal	PK	PASS
4	2440.6000	96.17	-2.88	74.00	N/A	PK	N/A
5	2604.2000	47.36	-2.43	74.00	Horizontal	PK	PASS
6	2937.6000	48.96	-1.82	74.00	Horizontal	PK	PASS



(3GHz to 18GHz)

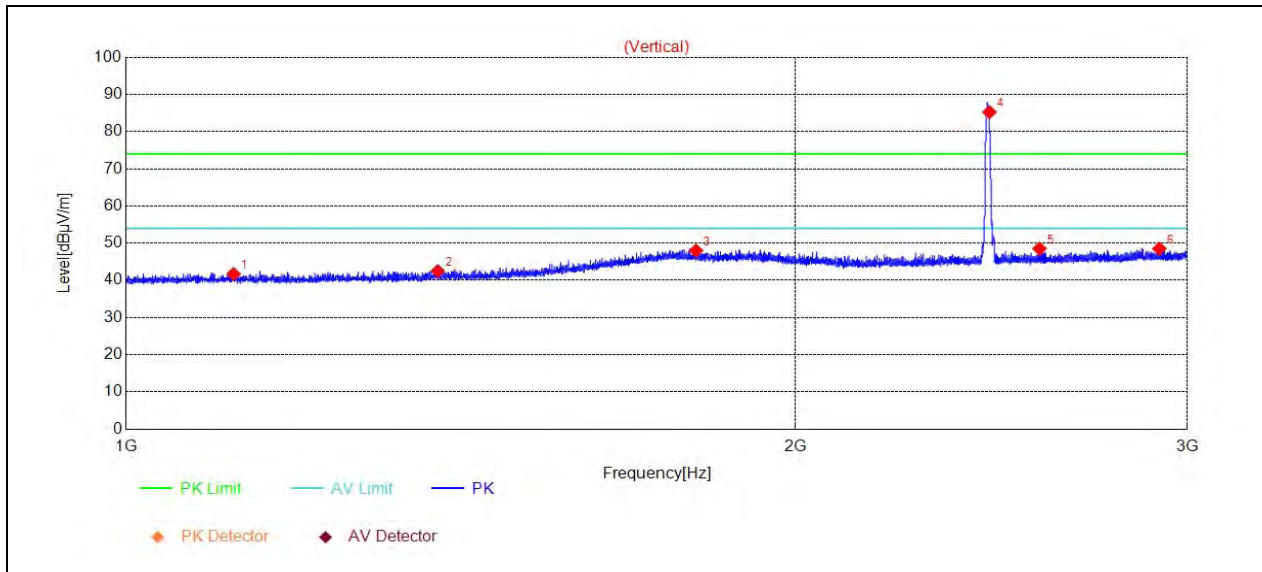
No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	4879.2788	65.06	-6.05	74.00	Horizontal	PK	PASS
2	7309.5000	49.12	-0.05	74.00	Horizontal	PK	PASS
3	9052.5000	46.55	3.51	74.00	Horizontal	PK	PASS
4	11413.5000	48.27	6.07	74.00	Horizontal	PK	PASS
5	14916.0000	50.43	9.05	74.00	Horizontal	PK	PASS
6	16984.5000	47.99	10.67	74.00	Horizontal	PK	PASS



(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	36.0146	24.72	-9.37	40.00	Vertical	PK	PASS
2	58.8119	29.04	-8.17	40.00	Vertical	PK	PASS
3	165.0375	29.08	-11.10	43.50	Vertical	PK	PASS
4	307.8358	23.57	-5.88	46.00	Vertical	PK	PASS
5	570.2470	29.19	0.47	46.00	Vertical	PK	PASS
6	869.4249	33.62	4.38	46.00	Vertical	PK	PASS

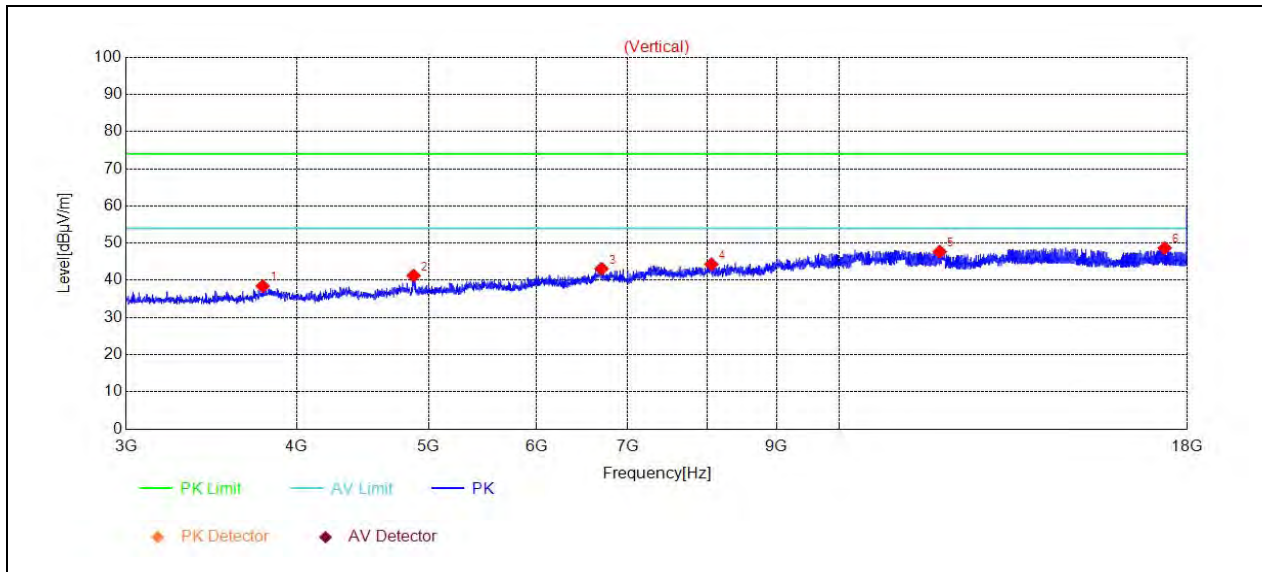




(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1116.8000	41.71	-7.97	74.00	Vertical	PK	PASS
2	1382.0000	42.53	-6.87	74.00	Vertical	PK	PASS
3	1806.0000	48.00	-1.37	74.00	Vertical	PK	PASS
4	2445.6000	85.24	-2.88	74.00	N/A	PK	N/A
5	2576.6000	48.54	-2.51	74.00	Vertical	PK	PASS
6	2917.6000	48.51	-1.79	74.00	Vertical	PK	PASS

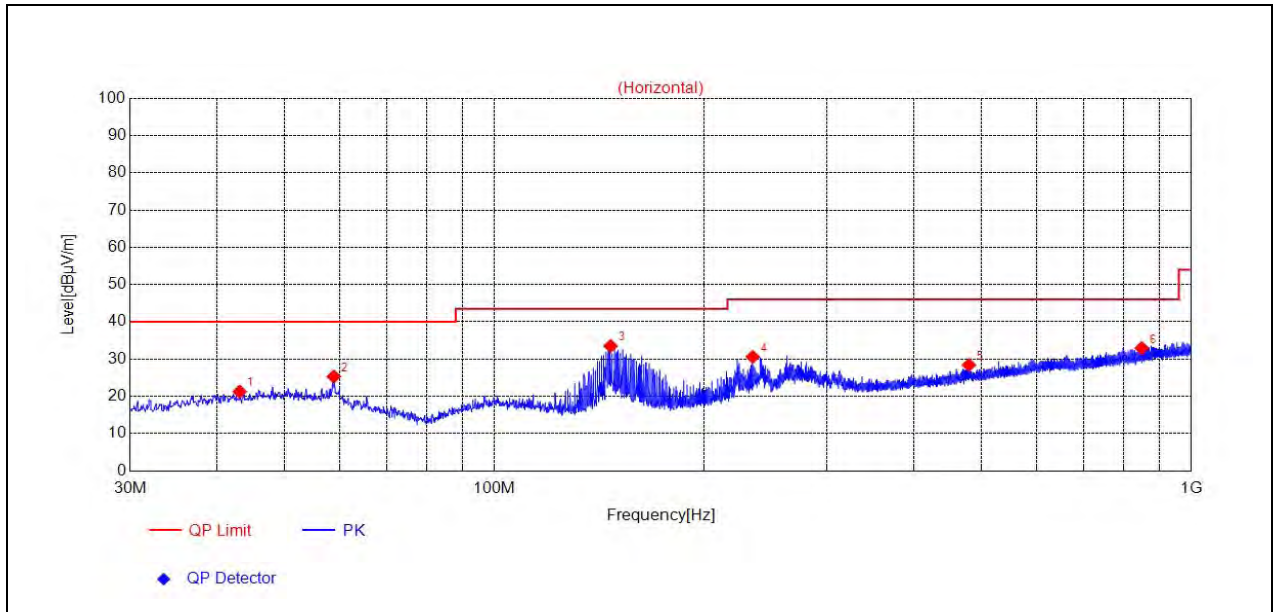




(3GHz to 18GHz)

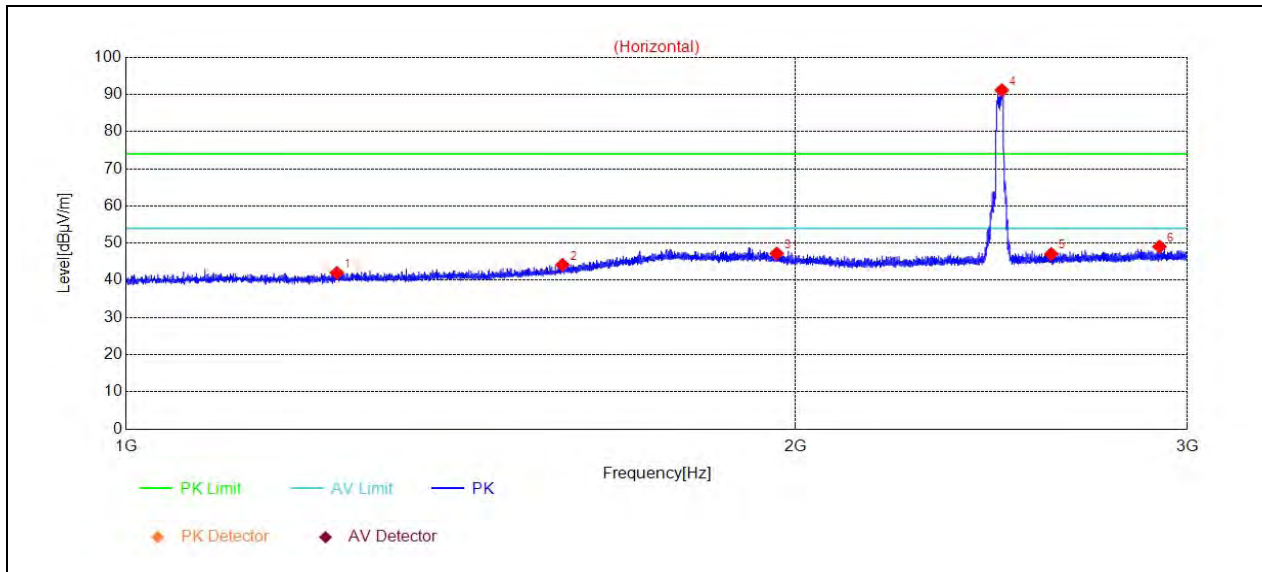
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	3778.5000	38.44	-7.83	74.00	Vertical	PK	PASS
2	4875.0000	41.26	-6.04	74.00	Vertical	PK	PASS
3	6696.0000	43.12	-1.41	74.00	Vertical	PK	PASS
4	8061.0000	44.29	1.32	74.00	Vertical	PK	PASS
5	11851.5000	47.70	5.39	74.00	Vertical	PK	PASS
6	17328.0000	48.68	12.80	74.00	Vertical	PK	PASS

Plot for Channel 13



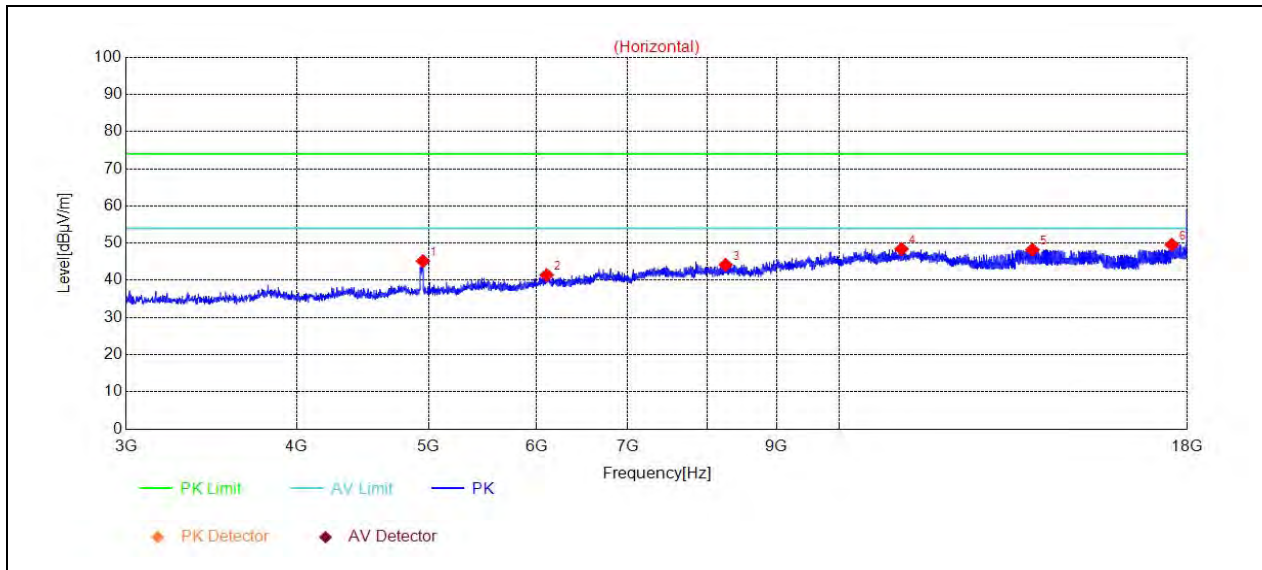
(30MHz to 1GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	43.0963	21.26	-7.61	40.00	Horizontal	PK	PASS
2	58.8119	25.33	-8.17	40.00	Horizontal	PK	PASS
3	146.7997	33.51	-11.79	43.50	Horizontal	PK	PASS
4	234.7875	30.59	-7.54	46.00	Horizontal	PK	PASS
5	479.8340	28.41	-1.67	46.00	Horizontal	PK	PASS
6	849.1499	32.94	4.00	46.00	Horizontal	PK	PASS



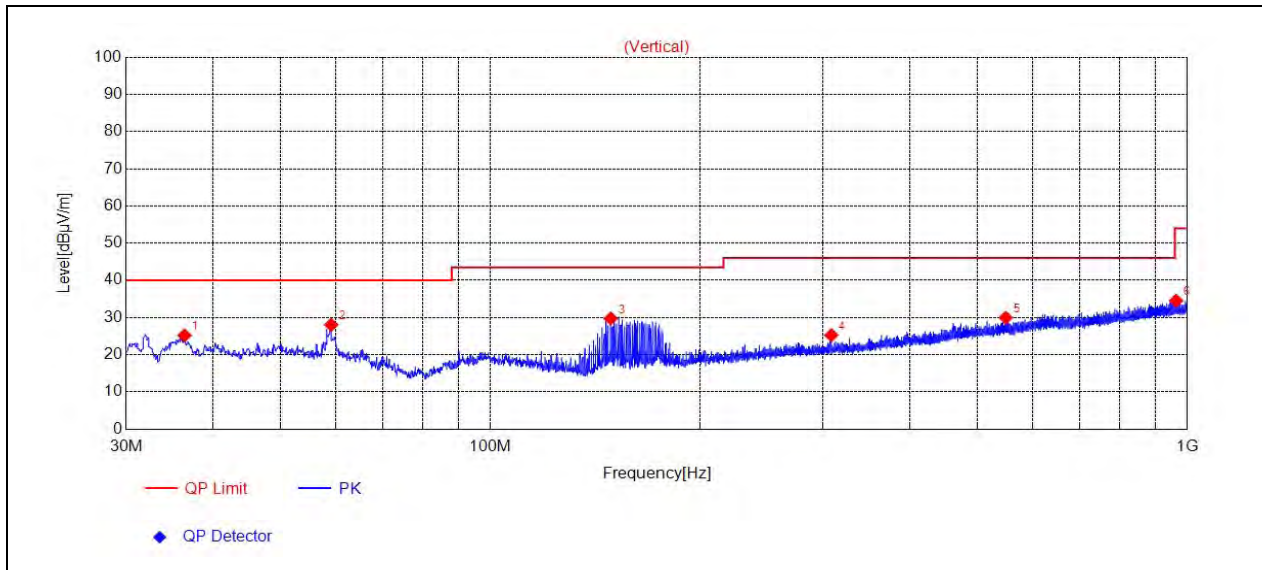
(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	1244.0000	42.03	-7.59	74.00	Horizontal	PK	PASS
2	1571.2000	44.18	-4.99	74.00	Horizontal	PK	PASS
3	1961.4000	47.21	-1.99	74.00	Horizontal	PK	PASS
4	2476.0000	91.11	-2.71	74.00	N/A	PK	N/A
5	2606.0000	47.08	-2.43	74.00	Horizontal	PK	PASS
6	2915.0000	49.06	-1.79	74.00	Horizontal	PK	PASS



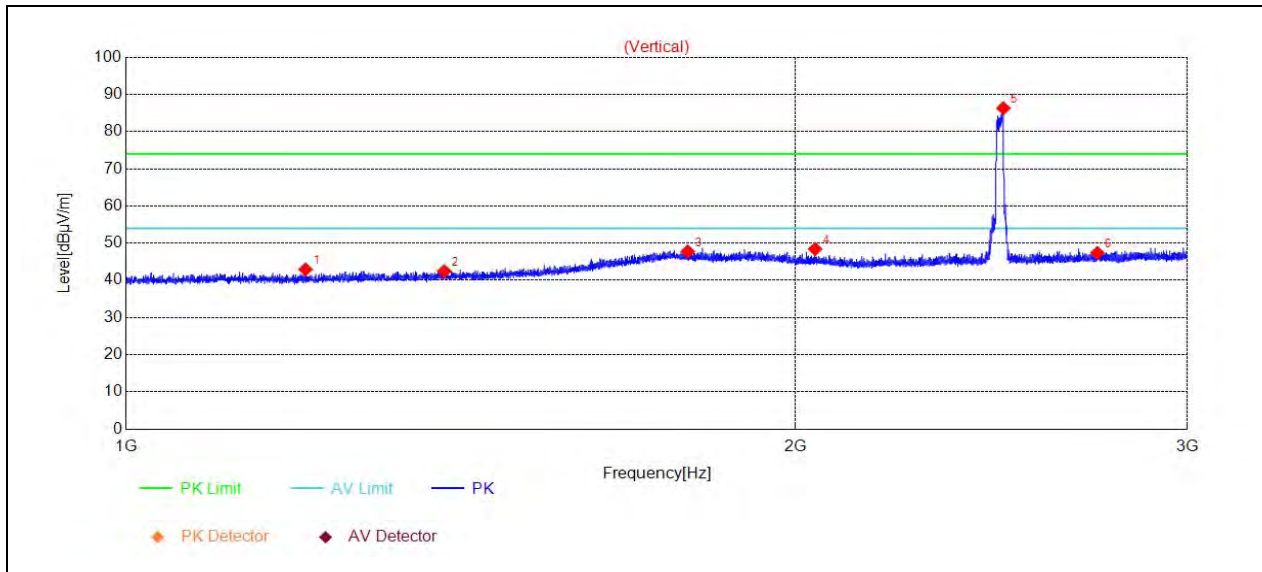
(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	4953.0000	45.19	-5.64	74.00	Horizontal	PK	PASS
2	6103.5000	41.42	-2.60	74.00	Horizontal	PK	PASS
3	8256.0000	44.15	1.65	74.00	Horizontal	PK	PASS
4	11112.0000	48.43	6.22	74.00	Horizontal	PK	PASS
5	13860.0000	48.23	7.57	74.00	Horizontal	PK	PASS
6	17538.0000	49.59	14.72	74.00	Horizontal	PK	PASS



(30MHz to 1GHz)

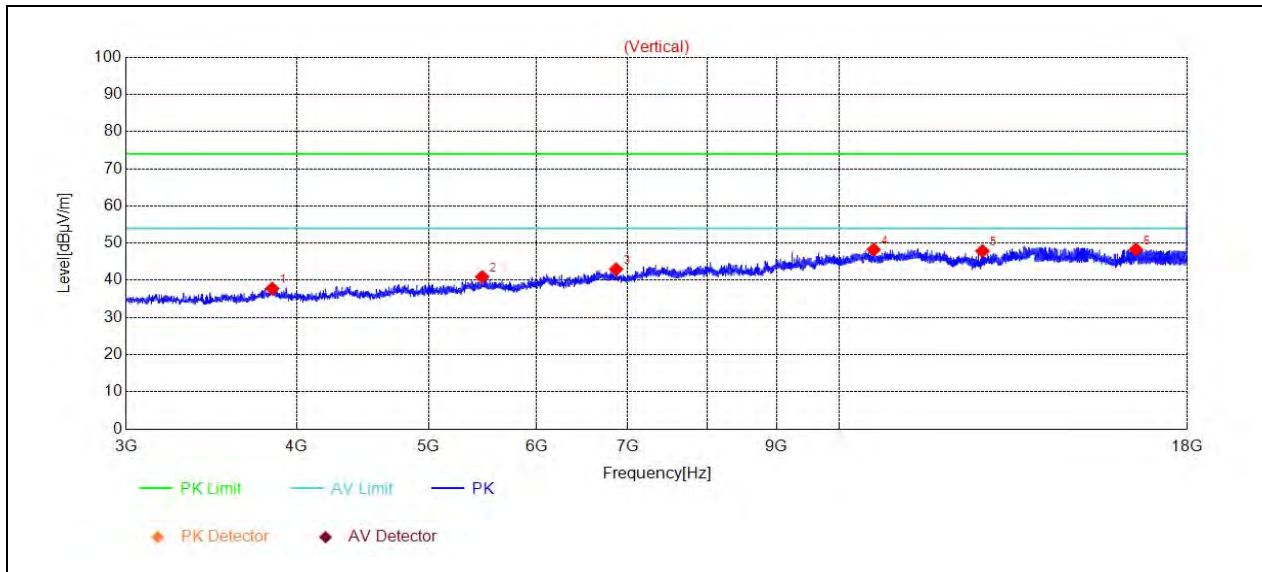
No.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Polarity	Detector	Verdict
1	36.4026	25.18	-9.24	40.00	Vertical	PK	PASS
2	59.1029	28.04	-8.23	40.00	Vertical	PK	PASS
3	148.8369	29.75	-11.72	43.50	Vertical	PK	PASS
4	308.5149	25.25	-5.86	46.00	Vertical	PK	PASS
5	549.0989	29.98	-0.08	46.00	Vertical	PK	PASS
6	964.0094	34.53	5.50	54.00	Vertical	PK	PASS



(1GHz to 3GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	1204.2000	42.94	-7.96	74.00	Vertical	PK	PASS
2	1390.2000	42.45	-6.80	74.00	Vertical	PK	PASS
3	1788.8000	47.76	-1.27	74.00	Vertical	PK	PASS
4	2041.0000	48.41	-2.55	74.00	Vertical	PK	PASS
5	2480.0000	86.28	-2.68	74.00	N/A	PK	N/A
6	2733.6000	47.35	-2.03	74.00	Vertical	PK	PASS





(3GHz to 18GHz)

No.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Polarity	Detector	Verdict
1	3840.0000	37.78	-7.56	74.00	Vertical	PK	PASS
2	5473.5000	40.95	-4.03	74.00	Vertical	PK	PASS
3	6862.5000	42.97	-2.05	74.00	Vertical	PK	PASS
4	10602.0000	48.27	5.41	74.00	Vertical	PK	PASS
5	12738.0000	47.87	4.92	74.00	Vertical	PK	PASS
6	16506.0000	48.30	8.29	74.00	Vertical	PK	PASS





## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

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

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Attenuator 1	(N/A.)	10dB	Resent	N/A	N/A
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2021.03.25	2022.03.24
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2021.10.21	2022.10.20
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Computer	T430i	Think Pad	Lenovo	N/A	N/A

##### 4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2021.03.09	2022.03.08
LISN	812744	NSLK 8127	Schwarzbeck	2021.03.09	2022.03.08
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2021.07.21	2022.07.20
Coaxial Cable(BNC) (30MHz-26GHz)	CB01	EMC01	Morlab	N/A	N/A

##### 4.3 List of Software Used

Description	Manufacturer	Software Version
Test System	Tonscend	V2.5.77.0418
TS+ -[JS32-CE]	Tonscend	V2.5.0.0
TS+ -[JS32-RE]	Tonscend	V2.5.5.0.6

**4.4 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2019.02.14	2022.02.13
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna – Horn	BBHA9170 #774	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Coaxial Cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L32 03	Tonscend	2021.07.16	2022.07.15
18-26.5GHz pre-Amplifier	46732	S10M100L38 02	Tonscend	2021.07.16	2022.07.15
26-40GHz pre-Amplifier	56774	S40M400L40 02	Tonscend	2021.07.16	2022.07.15
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	2021.07.16	2022.07.15
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05

————— END OF REPORT —————