



REPORT No.: SZ18120224W01

TEST REPORT

APPLICANT : Shenzhen Jimi IOT Co.,Ltd

PRODUCT NAME : Telematics Dashcam

MODEL NAME : JC200,TD-200,C18

BRAND NAME : Jimi

FCC ID : 2AMLFJC200

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2018-12-18

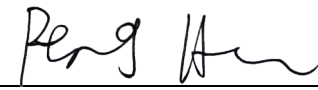
TEST DATE : 2018-12-27 to 2018-12-31

ISSUE DATE : 2019-01-16

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REPORT No.: SZ18120224W01

Change History		
Version	Date	Reason for change
1.0	2019-01-16	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Jimi IOT Co.,Ltd
Applicant Address:	4/F, Building C, Gaoxinqi Industrial Park, Liuxian 1st Road, No.67 Xin'an Street, Bao'an District, Shenzhen, China
Manufacturer:	Shenzhen Jimi IOT Co.,Ltd
Manufacturer Address:	4/F, Building C, Gaoxinqi Industrial Park, Liuxian 1st Road, No.67 Xin'an Street, Bao'an District, Shenzhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Telematics Dashcam	
Serial No:	(N/A, marked #1 by test site)	
Hardware Version:	KM8216_MAIN_V4.0	
Software Version:	KM8216_EN_USB_V1.2_20181218	
Modulation Type:	DSSS, OFDM	
Operating Frequency Range:	802.11b/g/ n(HT20): 2.412GHz - 2.462GHz	
Channel Number:	802.11b/g/ n(HT20): 11	
Antenna Type:	Ceramic Antenna	
Antenna Gain:	0 dBi	
Operating voltage:	12 V / 24 V	
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	423040
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	450mAh
	Rated Voltage:	3.7V
	Charge Limit:	4.25V

Note1: According to the certificate holder, they declared that the models: JC200, TD-200 and C18 are accordant in both hardware and software, only differ in the model name. The main measuring model is JC200, only the results for JC200 were recorded in this report.

Note2: The EUT can working in normal 12 V and 24V operate voltage, both of the two operate voltage were tested, only the worst test result(12V) were recorded in the test report.



Note3: The EUT is operating at 2.4GHz ISM; it supports 802.11b, 802.11g, 802.11n and they are all tested in this report.

For 802.11b/g/n(HT20) (2.4GHz band), the frequencies allocated is $F \text{ (MHz)} = 2412 + 5 * (n - 1)$ ($1 \leq n \leq 11$). The lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 1 (2412MHz), 6 (2437MHz) and 11 (2462MHz).

Note 4: The EUT connected to the serial port of the computer with a serial communication cable, we use the dedicated software to control the EUT continuous transmission.

Note 5: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



1.3. 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
1	15.203	Antenna Requirement	N/A	N/A	PASS
2	N/A	Duty Cycle Of Test Signal	Dec 27, 2018	Wang Meng	PASS
3	15.247(b)	Peak Output Power	Dec 27, 2018	Wang Meng	PASS
4	15.247(a)	Bandwidth	Dec 27, 2018	Wang Meng	PASS
5	15.247(d)	Conducted Spurious Emission and Band Edge	Dec 27, 2018	Wang Meng	PASS
6	15.247(e)	Power spectral density (PSD)	Dec 27, 2018	Wang Meng	PASS
7	15.207	Conducted Emission	N/A	N/A	N/A
8	15.247(d)	Restricted Frequency Bands	Dec 31, 2018	Peng Xuwei	PASS
9	15.209, 15.247(d)	Radiated Emission	Dec 31, 2018	Peng Xuwei	PASS

Note1: Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

Note2: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10 2013 and KDB558074 D01 v05.

Note3: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 11dB contains two parts that cable loss 1dB and Attenuator 10dB.

1.4. 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. Result: Compliant

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

2.2. Duty Cycle Of Test Signal

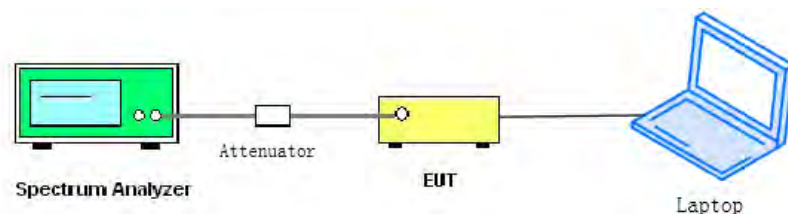
2.2.1. Requirement

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

A. Test Set:



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

B. Equipments List:

Please refer ANNEX B(4).

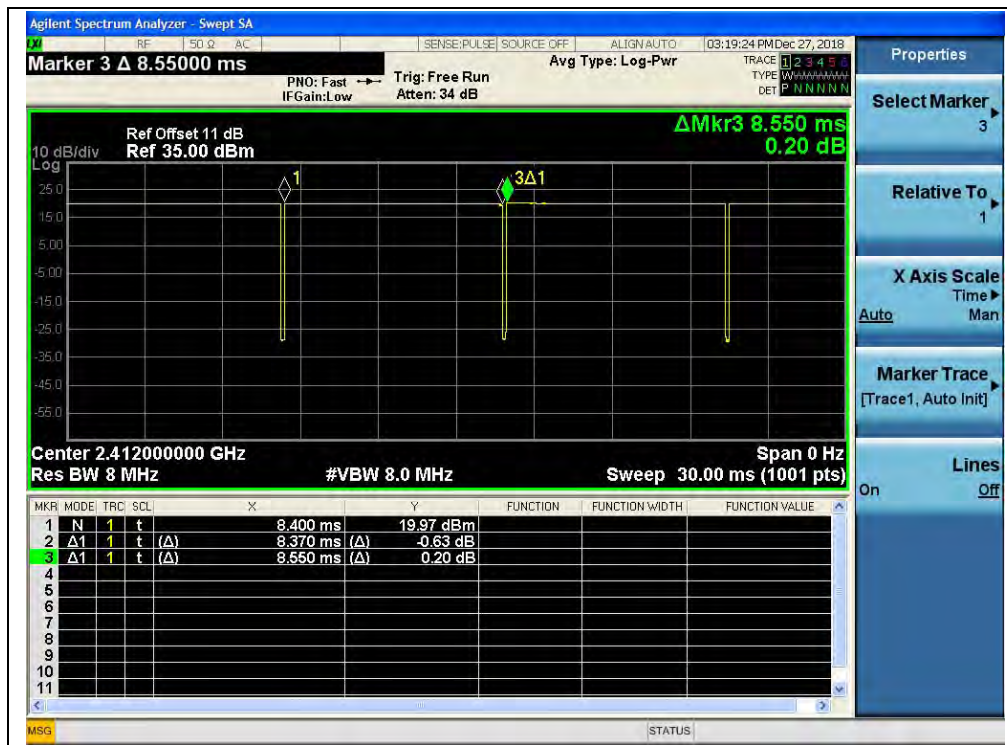
2.2.3. Test Result

A. Test Verdict:

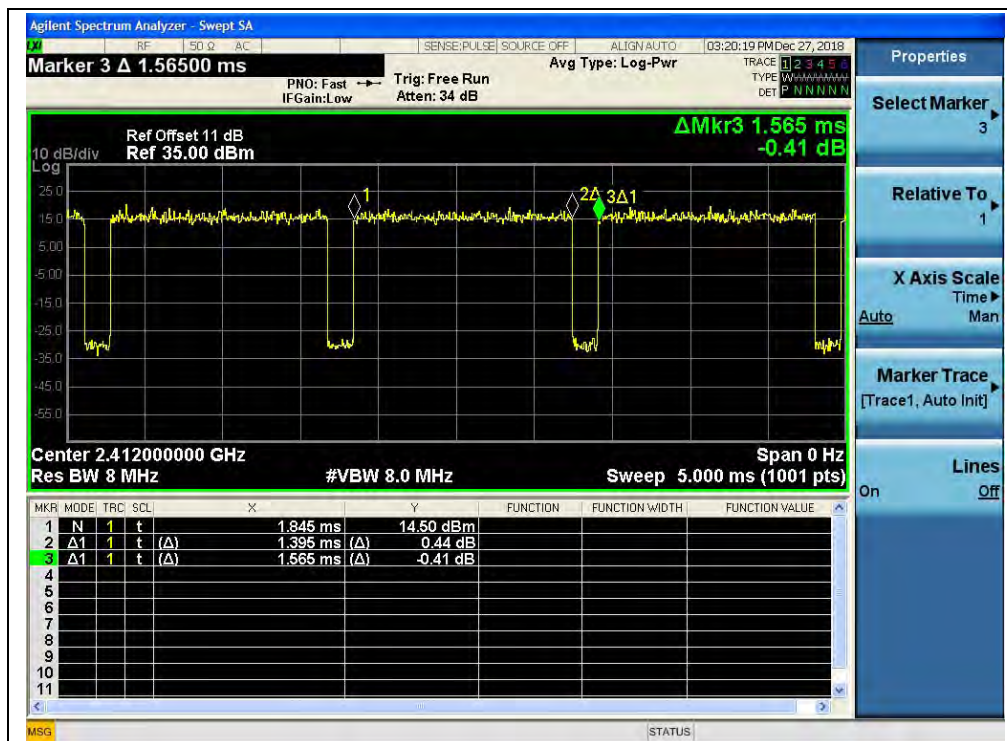
Test Mode	Duty Cycle (%) (D)	Duty Factor (10*lg[1/D])
802.11b	97.89	0.09
802.11g	89.14	0.50
802.11n(HT20)	88.36	0.54



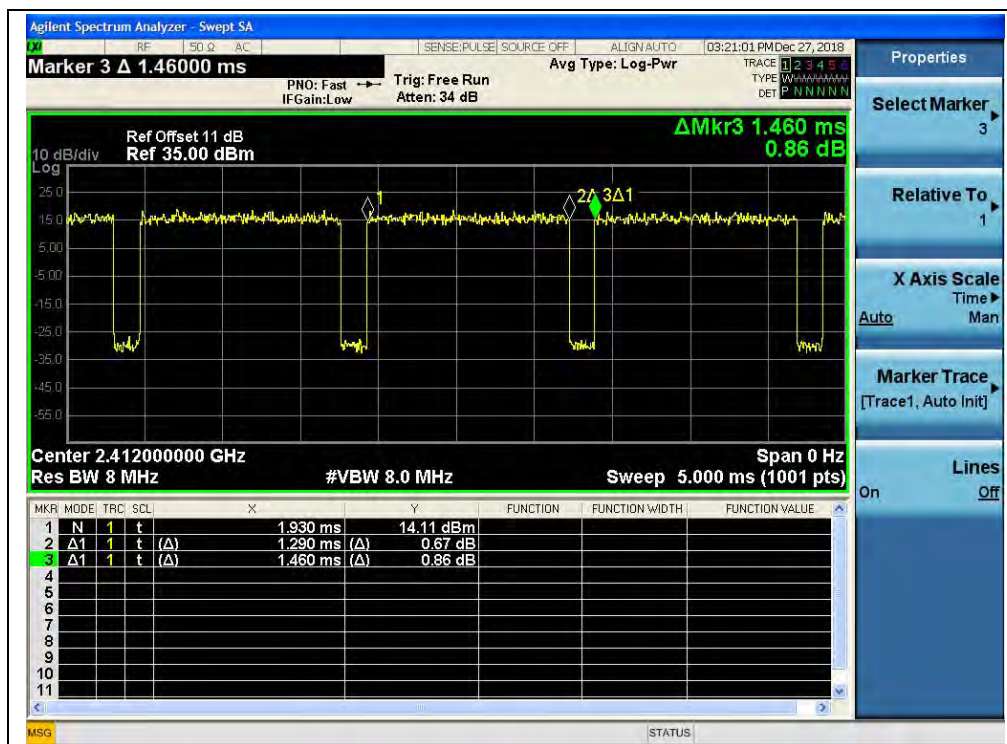
B. Test Plots



(Channel 1, 2412MHz, 802.11b)



(Channel 1, 2412MHz, 802.11g)



(Channel 1, 2412MHz, 802.11 n(HT20))

2.3. Peak Output Power

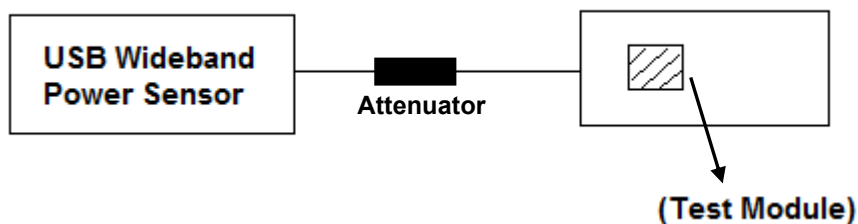
2.3.1. Requirement

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.

A. 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.

B. Equipments List:

Please refer ANNEX B(4).

**2.3.3. Test Result****802.11b Test Mode**

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	18.01	0.063	30	1	PASS
6	2437	18.71	0.074			PASS
11	2462	18.02	0.063			PASS

Channel	Frequency (MHz)	Measured Output Average Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	15.43	0.035	30	1	PASS
6	2437	16.44	0.044			PASS
11	2462	15.57	0.036			PASS

802.11g Test mode

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	20.30	0.107	30	1	PASS
6	2437	20.07	0.102			PASS
11	2462	20.00	0.100			PASS

Channel	Frequency (MHz)	Measured Output Average Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	11.57	0.014	30	1	PASS
6	2437	13.93	0.025			PASS
11	2462	12.30	0.017			PASS

**802.11n(HT20) Test mode**

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	20.24	0.106	30	1	PASS
6	2437	20.00	0.100			PASS
11	2462	19.98	0.100			PASS

Channel	Frequency (MHz)	Measured Output Average Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	11.56	0.014	30	1	PASS
6	2437	13.86	0.024			PASS
11	2462	12.26	0.017			PASS

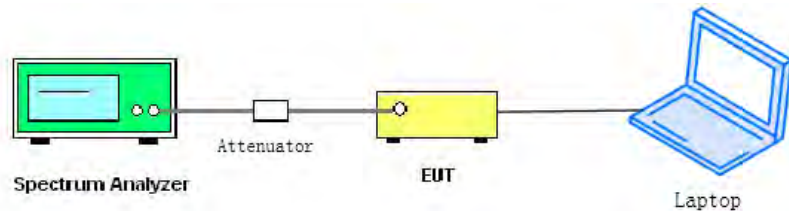
2.4. Bandwidth

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

A. Test Set:



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.

KDB 558074 Section 8.1 Option 1 was used in order to prove compliance.

B. Equipments List:

Please refer ANNEX B(4).



2.4.3. Test Result

802.11b Test mode

A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits(kHz)	Result
1	2412	10.03	≥500	PASS
6	2437	10.00	≥500	PASS
11	2462	10.05	≥500	PASS

B. Test Plots



(Channel 1, 2412MHz, 802.11b)



(Channel 6, 2437 MHz, 802.11b)



(Channel 11, 2462MHz, 802.11b)

**802.11g Test mode****A. Test Verdict:**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2412	15.77	≥500	PASS
6	2437	15.33	≥500	PASS
11	2462	15.45	≥500	PASS

B. Test Plots:

(Channel 1, 2412MHz, 802.11g)



(Channel 6, 2437MHz, 802.11g)



(Channel 11, 2462MHz, 802.11g)



802.11n(HT20) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2412	15.13	≥500	PASS
6	2437	15.10	≥500	PASS
11	2462	16.88	≥500	PASS

B. Test Plots:



(Channel 1, 2412MHz, 802.11n(HT20))



(Channel 6, 2437MHz, 802.11n(HT20))



(Channel 11, 2462MHz, 802.11n(HT20))

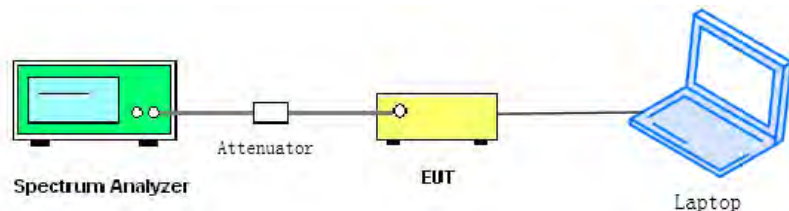
2.5. Conducted Spurious Emissions and Band Edge

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

A. Test Set:



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.

KDB 558074 Section 11.0 was used in order to prove compliance.

B. Equipments List:

Please refer ANNEX B(4).



2.5.3. Test Result

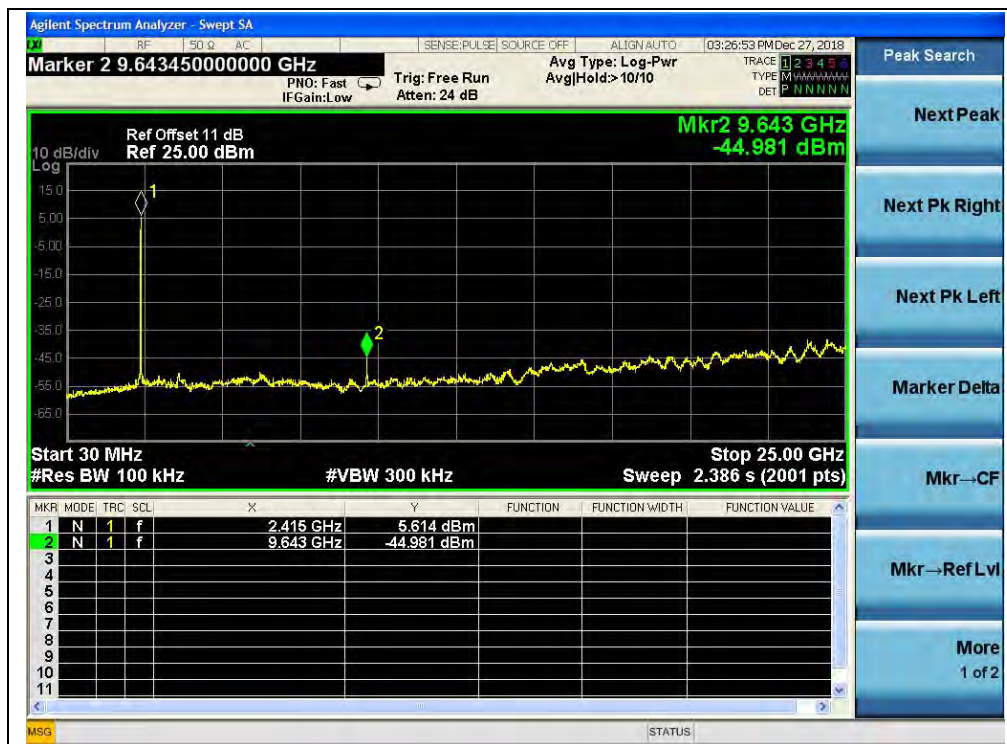
802.11b Test mode

A. Test Verdict:

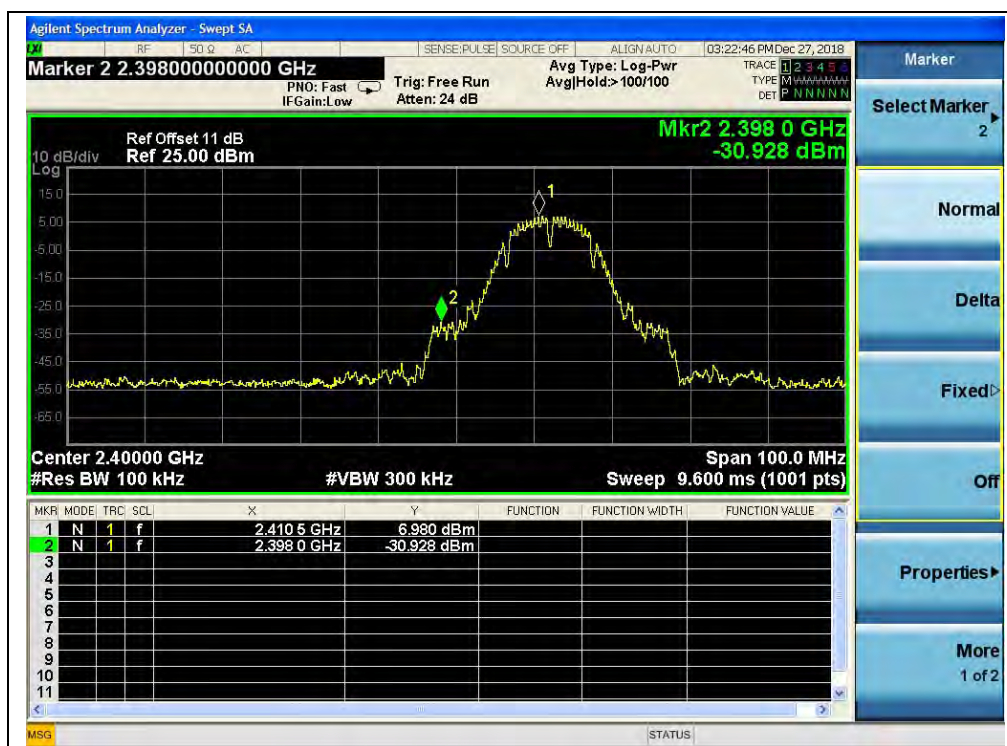
Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-44.98	5.61	-14.39	PASS
6	2437	-46.01	6.24	-13.76	PASS
11	2462	-43.79	5.61	-14.39	PASS

B. Test Plots:

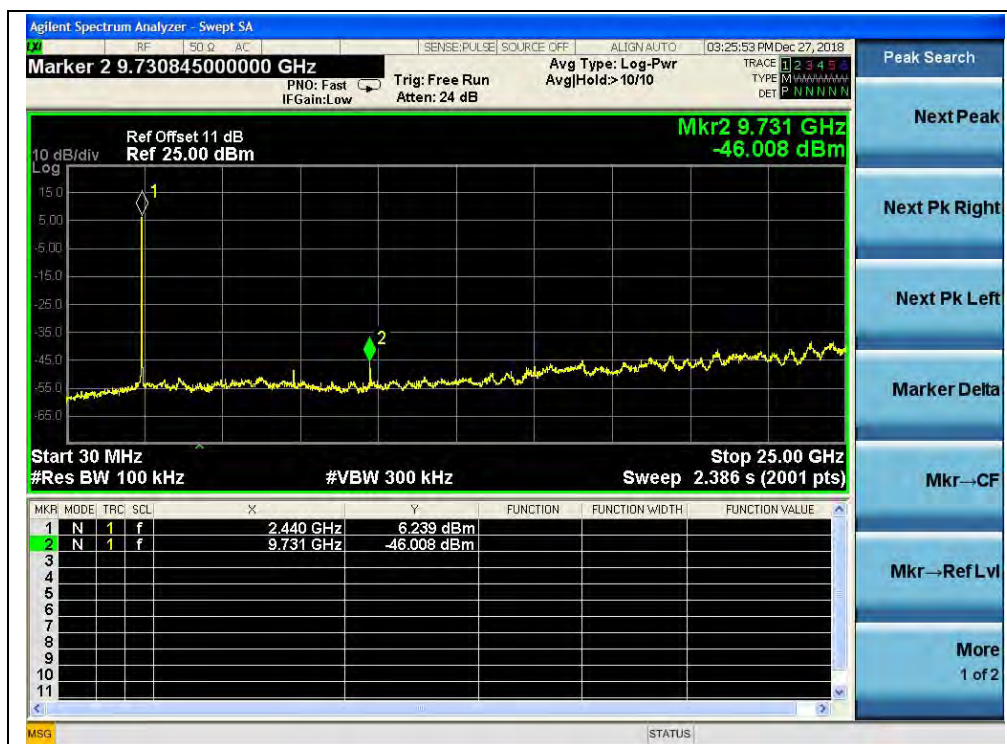
Note: The power of the Module transmitting frequency should be ignored.



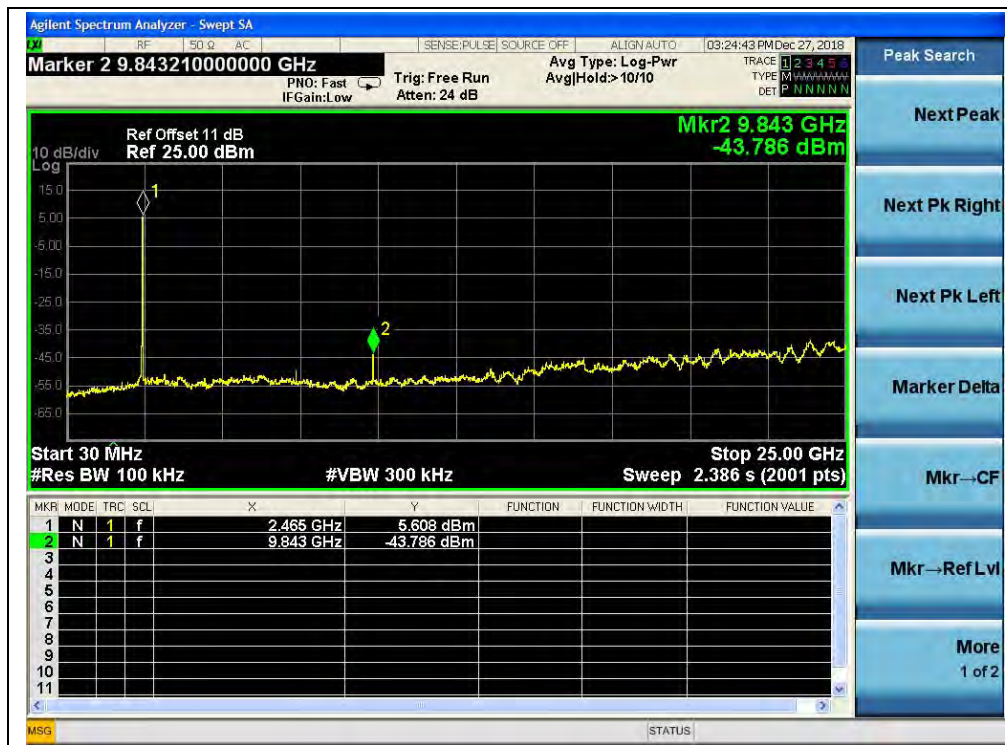
(Channel = 1, 30MHz to 25GHz)



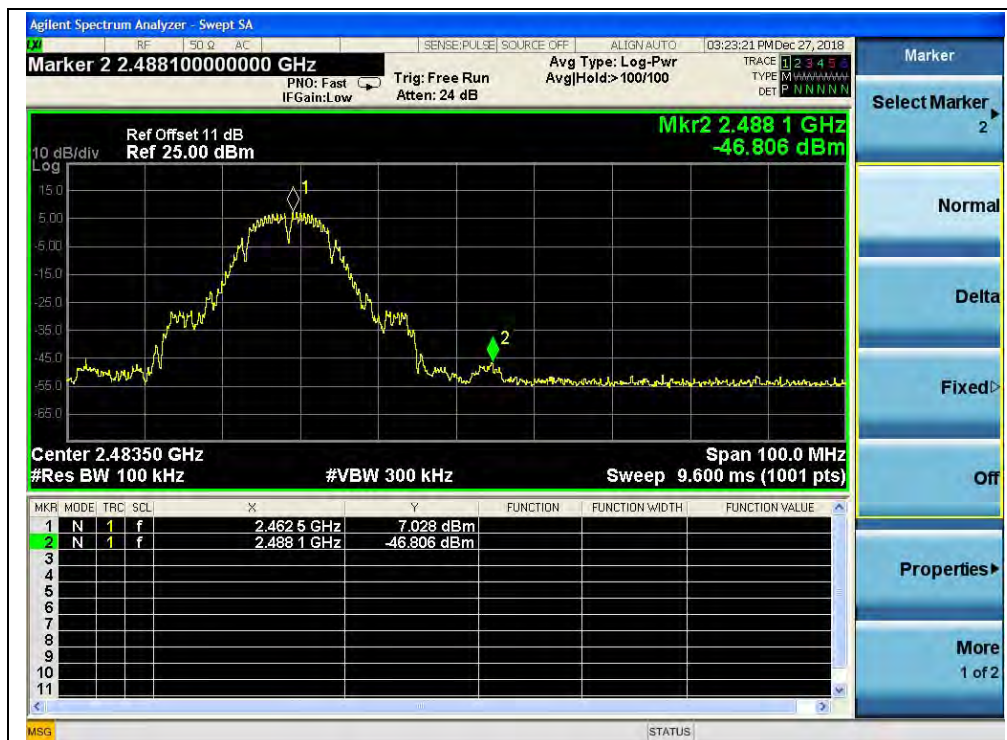
(Band Edge, Channel = 1)



(Channel = 6, 30MHz to 25GHz)



(Channel = 11, 30MHz to 25GHz)



(Band Edge, Channel = 11)



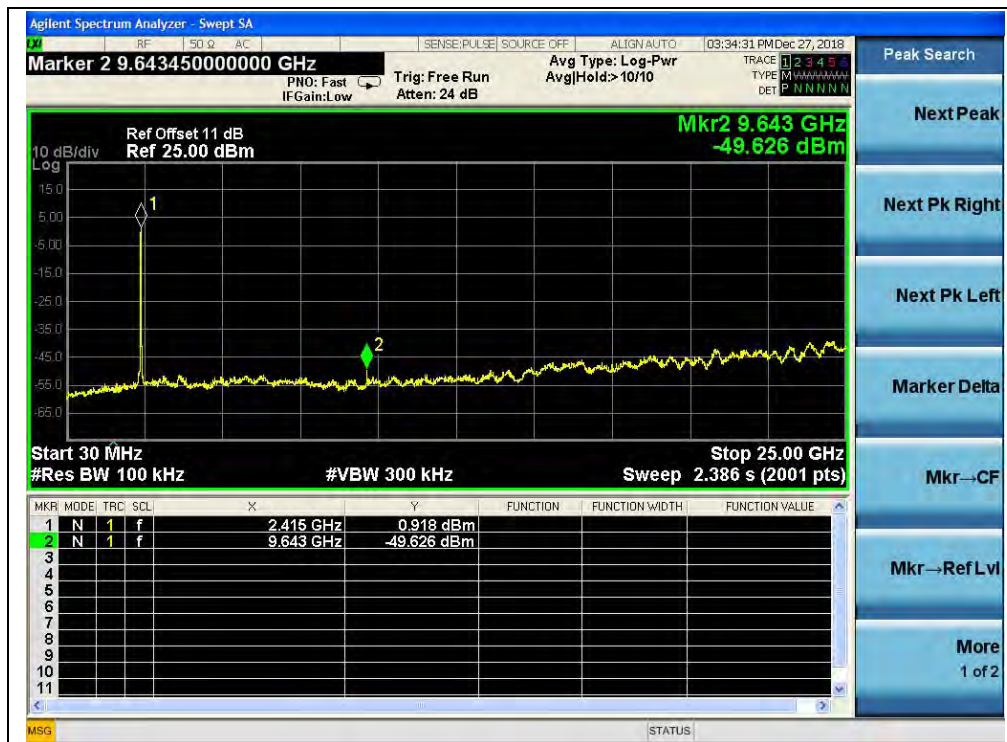
802.11g Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-49.63	0.92	-19.08	PASS
6	2437	-38.84	3.95	-16.05	PASS
11	2462	-40.75	0.15	-19.85	PASS

B. Test Plots:

Note: The power of the Module transmitting frequency should be ignored.



(Channel = 1, 30MHz to 25GHz)



(Band Edge, Channel = 1)



(Channel = 6, 30MHz to 25GHz)



(Channel = 11, 30MHz to 25GHz)



(Band Edge, Channel = 11)



802.11n(HT20) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
1	2412	-39.66	0.23	-19.77	PASS
6	2437	-49.81	2.47	-17.53	PASS
11	2462	-41.78	1.28	-18.72	PASS

B. Test Plots:

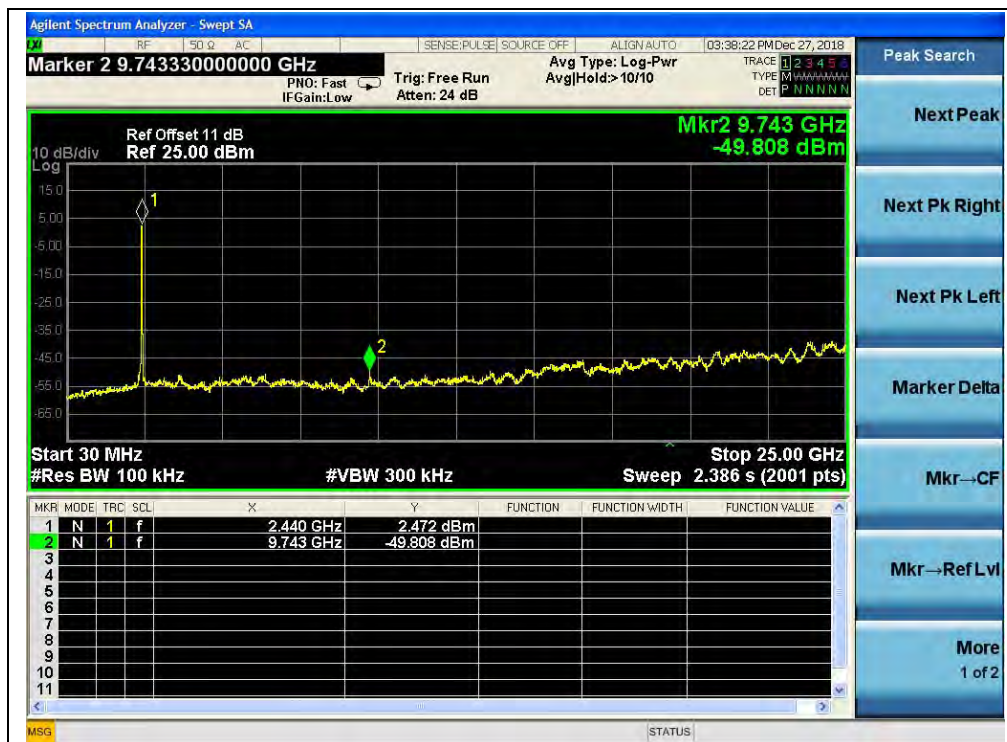
Note: The power of the Module transmitting frequency should be ignored.



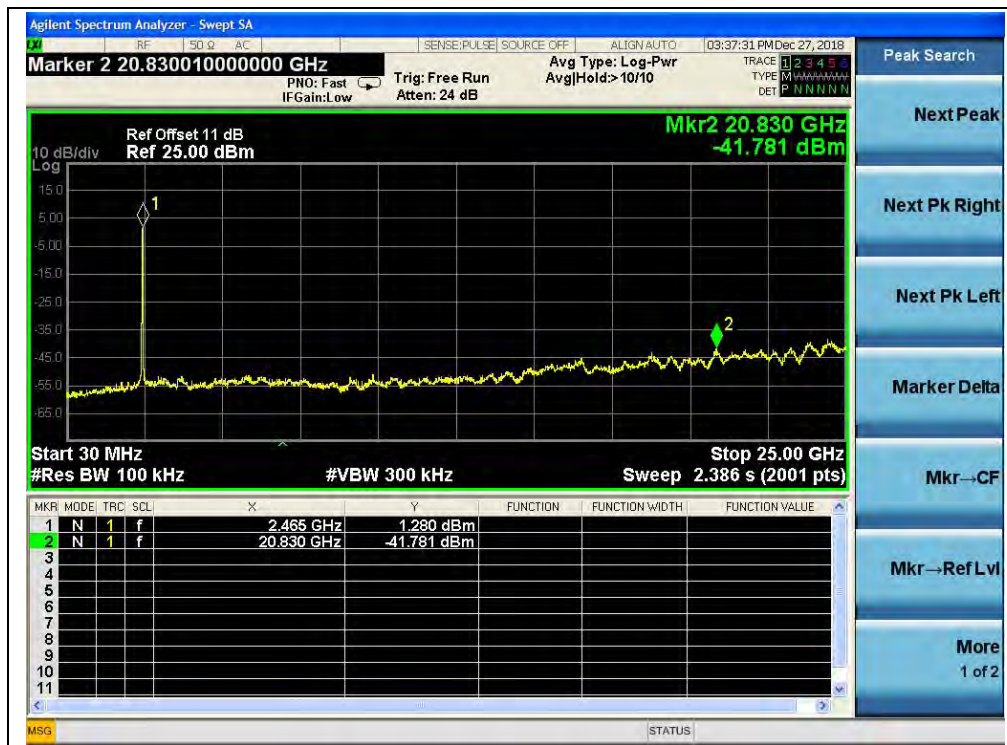
(Channel = 1, 30MHz to 25GHz)



(Band Edge, Channel = 1)



(Channel = 6, 30MHz to 25GHz)



(Channel = 11, 30MHz to 25GHz)



(Band Edge, Channel = 11)

2.6. Power spectral density (PSD)

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.

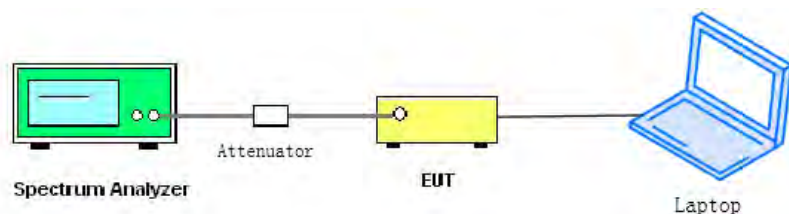
2.6.2. Test Description

A. Test procedure

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

- Set analyzer center frequency to channel center frequency.
- Set the span to 1.5 times DTS
- Set the RBW to 3 kHz
- Set the VBW to 10 kHz
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

B. Test Set:



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.

KDB 558074 Section 10.2 was used in order to prove compliance.

C. Equipments List:

Please refer ANNEX B(4).



2.6.3. Test Result

802.11b Test mode

A. Test Verdict:

Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-6.17	8	PASS
6	2437	-6.23	8	PASS
11	2462	-6.56	8	PASS

B. Test Plots:



(Channel = 1, 802.11b)



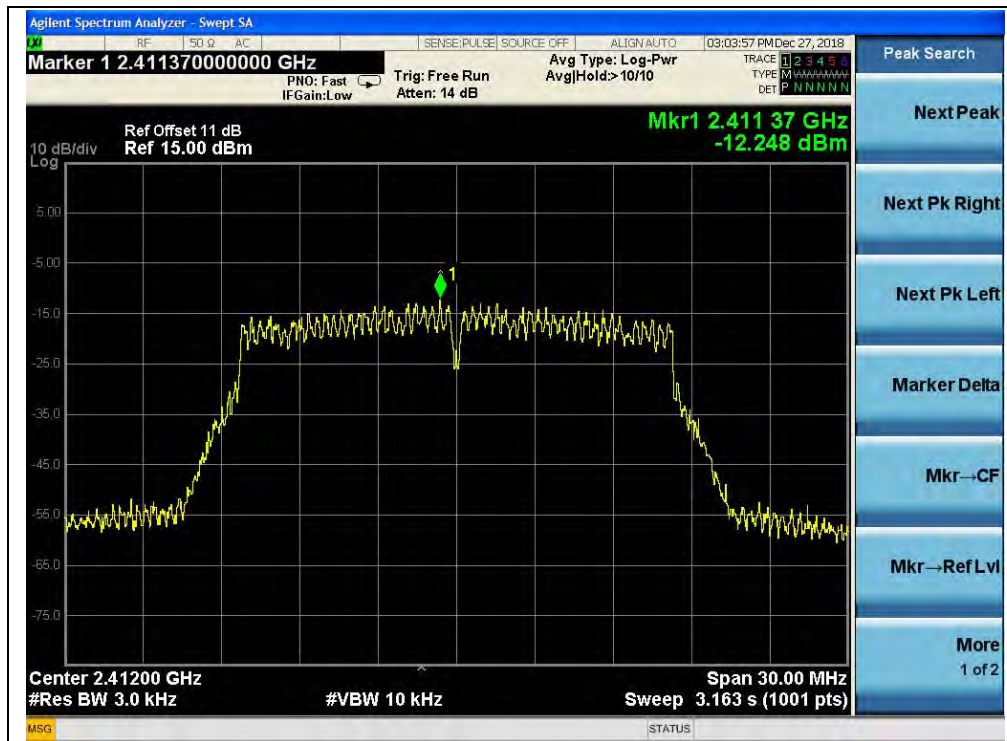
(Channel = 6, 802.11b)



(Channel = 11, 802.11b)

**802.11g Test mode****A. Test Verdict:**

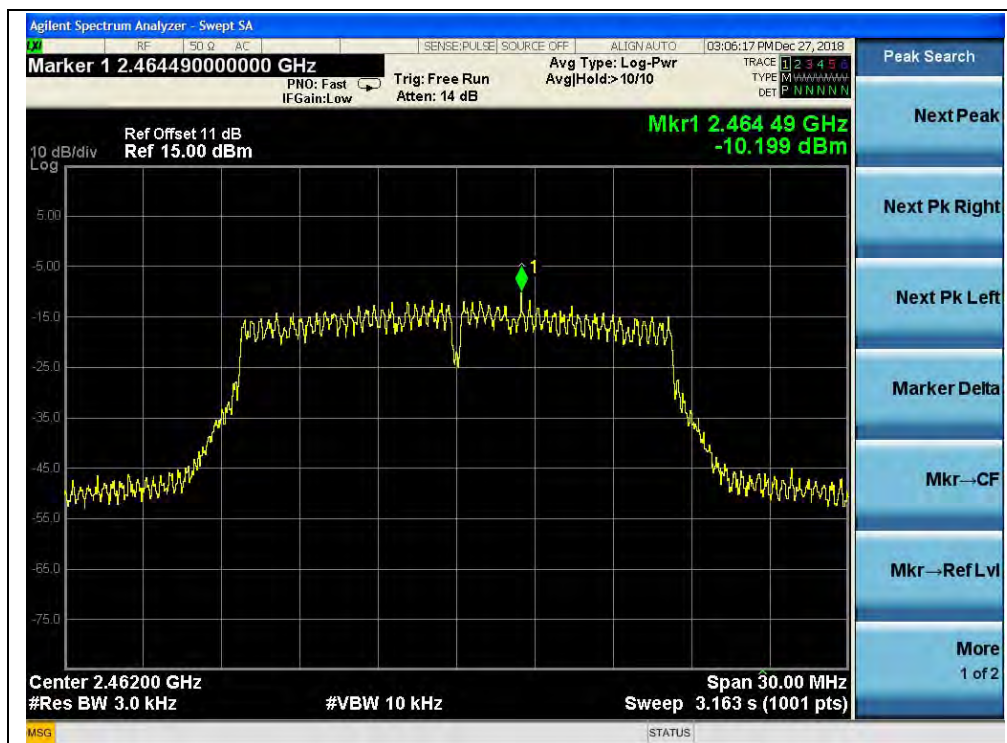
Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-12.25	8	PASS
6	2437	-9.90	8	PASS
11	2462	-10.20	8	PASS

B. Test Plots:

(Channel = 1, 802.11g)



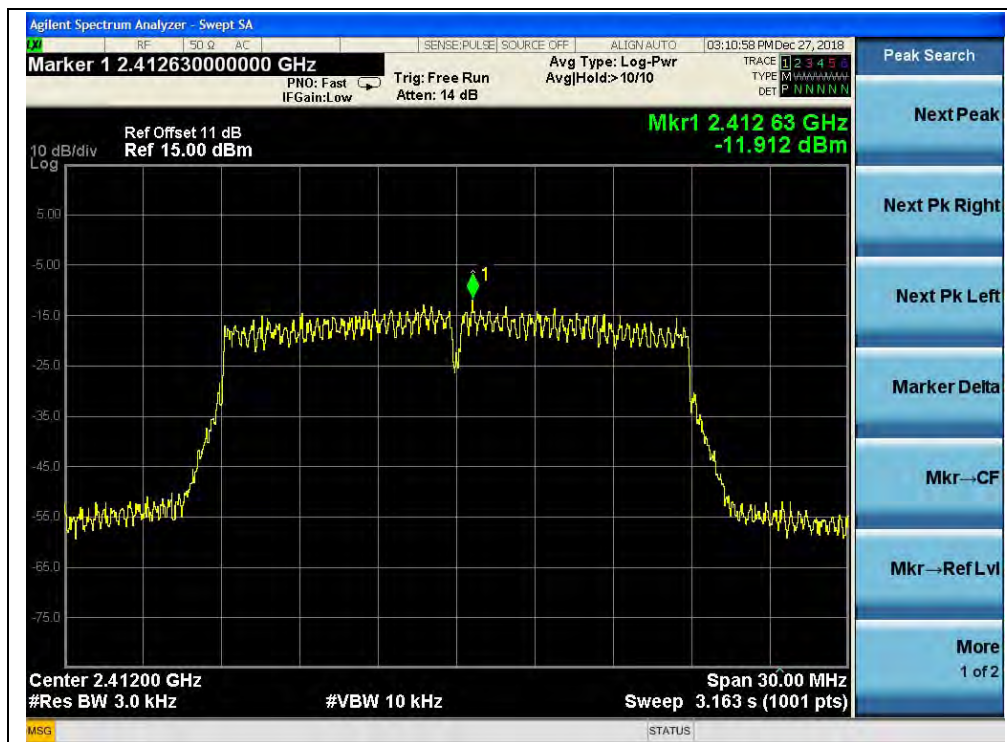
(Channel = 6, 802.11g)



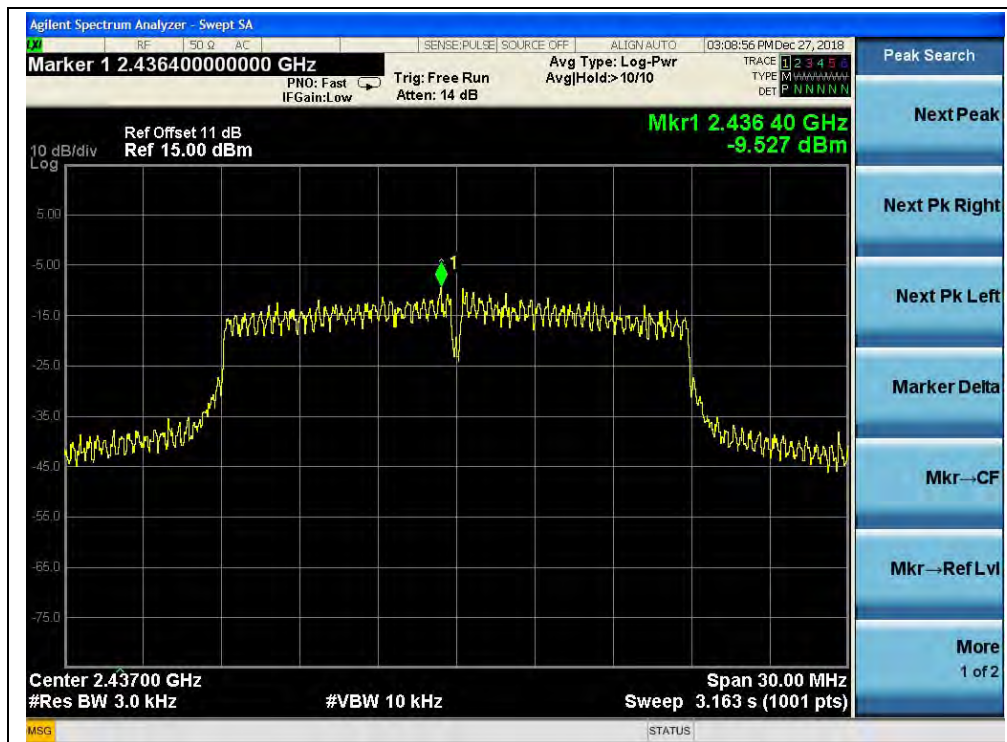
(Channel = 11, 802.11g)

**802.11n(HT20) Test mode****A. Test Verdict:**

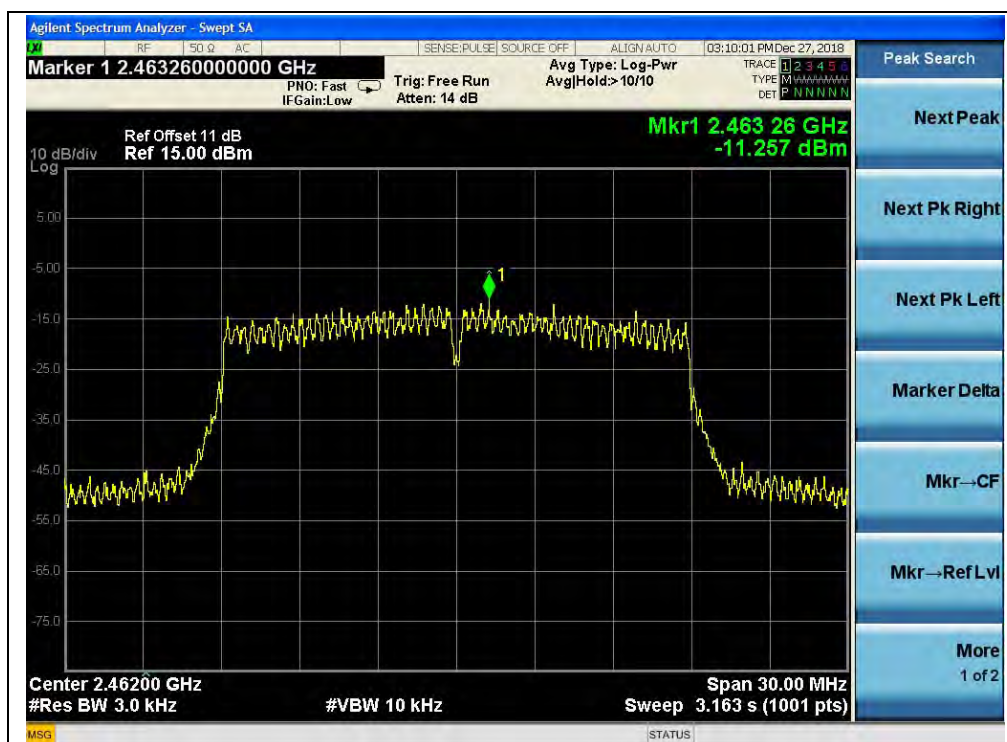
Spectral power density (dBm/3kHz)				
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	2412	-11.91	8	PASS
6	2437	-9.53	8	PASS
11	2462	-11.26	8	PASS

B. Test Plots:

(Channel = 1, 802.11n(HT20))



(Channel = 6, 802.11n(HT20))



(Channel = 11, 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 μ H/50 Ω line impedance stabilization network (LISN).

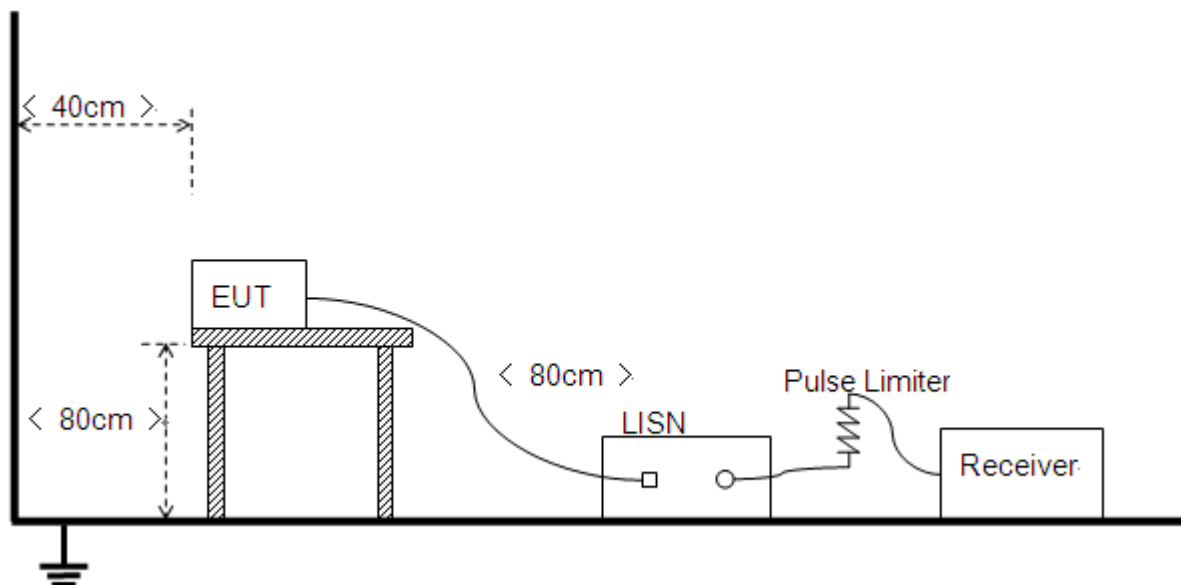
Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

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.

2.7.2. Test Description

A. 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.



B. Equipments List:

Please refer ANNEX B(4).

2.7.3. Test Result

This test case not applies this kind of EUT.

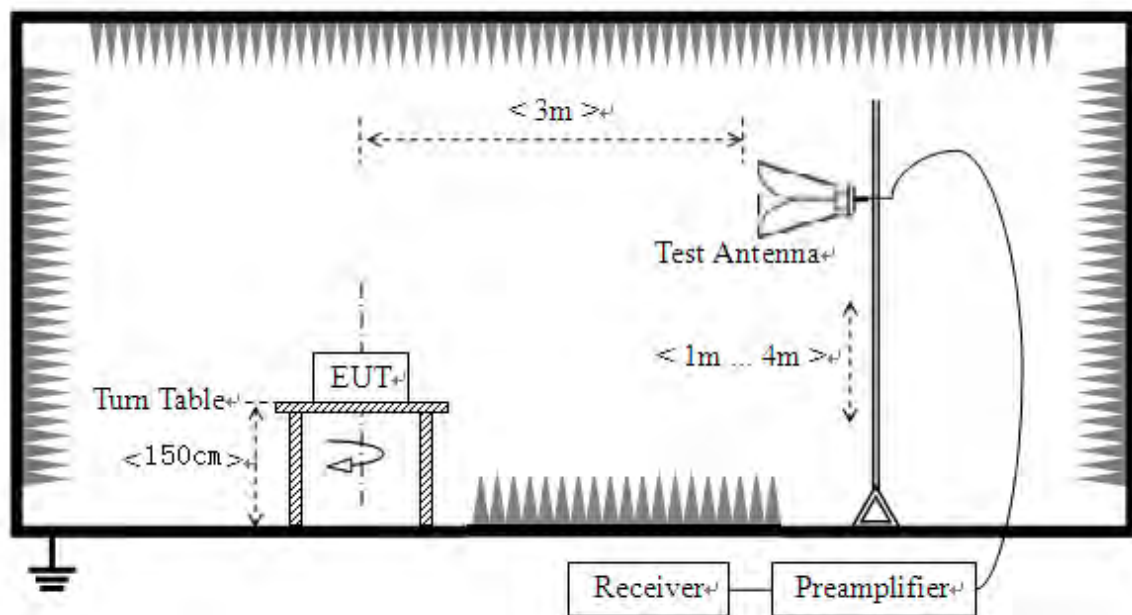
2.8. Restricted Frequency Bands

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

A. 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.

KDB 558074 Section 12.1 was used in order to prove compliance.

**B. Equipments List:**

Please refer ANNEX B(4).

2.8.3. 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_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

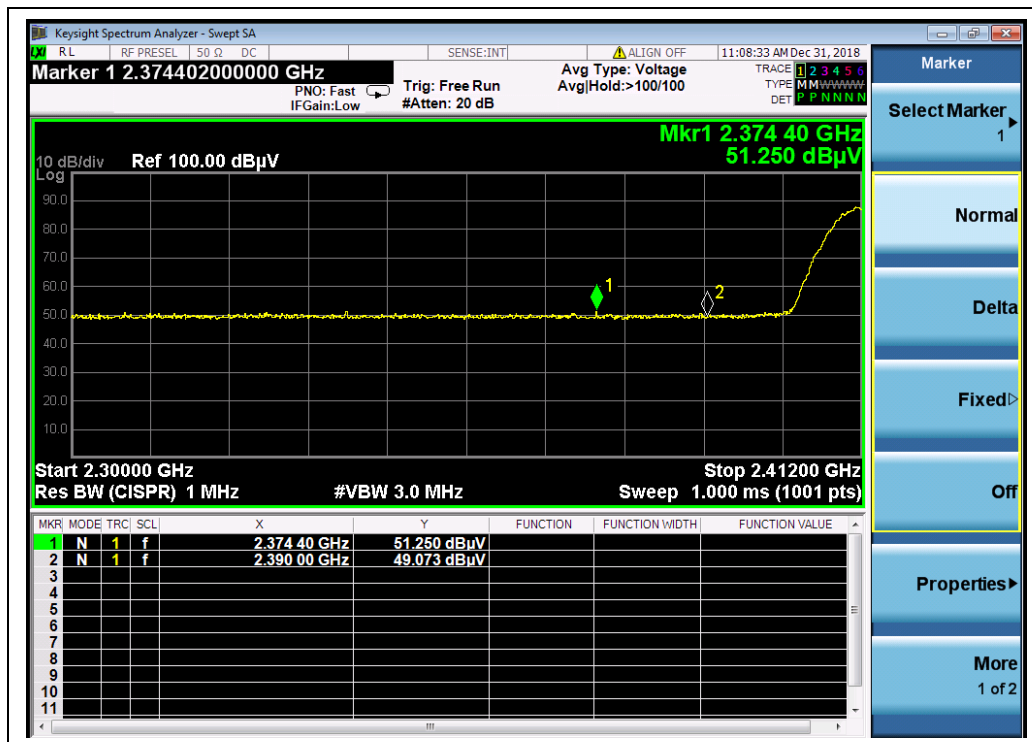
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

802.11b Test mode**A. Test Verdict:**

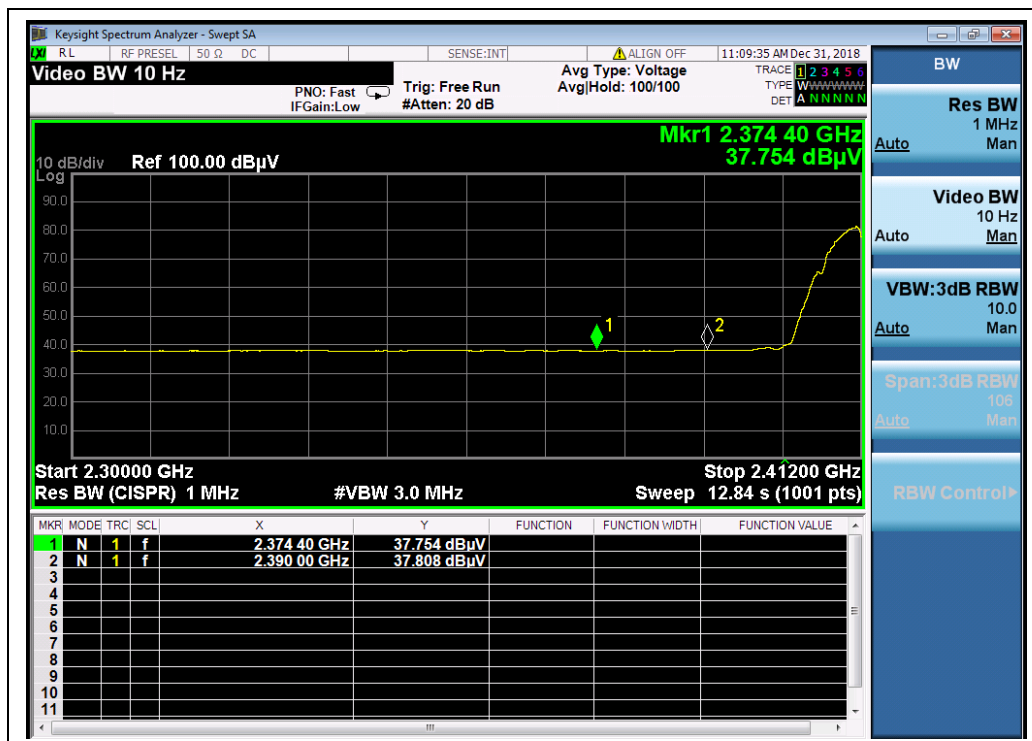
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
1	2374.40	PK	51.25	-29.67	32.56	54.14	74	PASS
1	2390.00	AV	37.81	-29.67	32.56	40.70	54	PASS
11	2484.33	PK	50.16	-29.67	32.56	53.05	74	PASS
11	2484.44	AV	38.08	-29.67	32.56	40.97	54	PASS



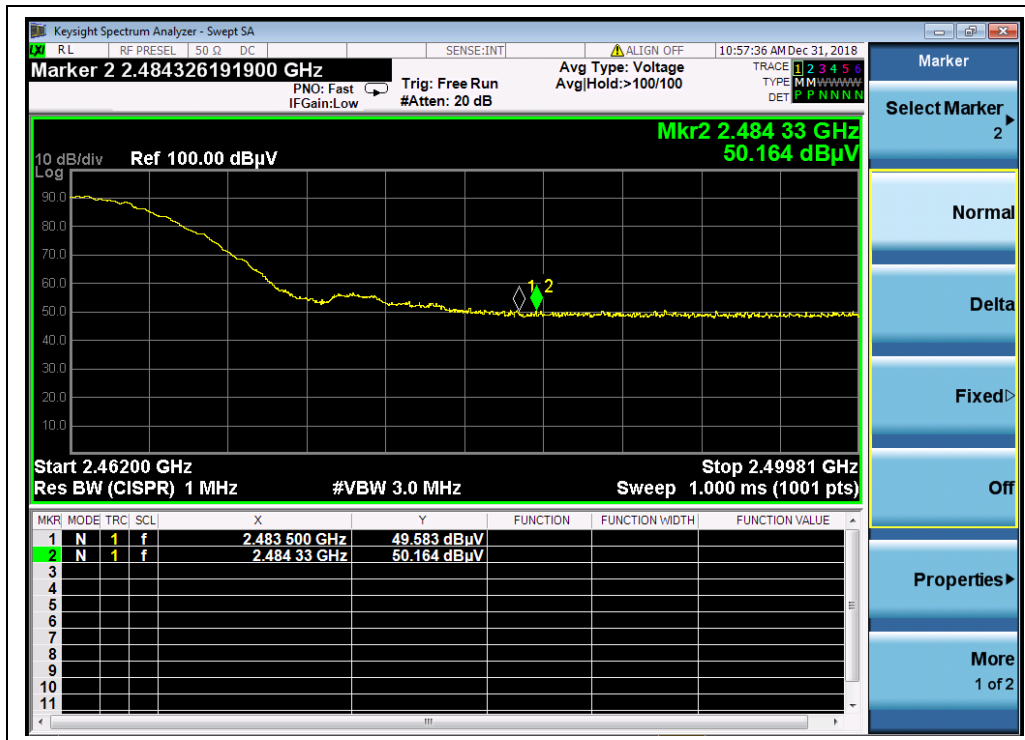
B. Test Plots:



(Channel = 1 PEAK, 802.11b)



(Channel = 1 AVG, 802.11b)



(Channel = 11 PEAK, 802.11b)



(Channel = 11 AVG, 802.11b)

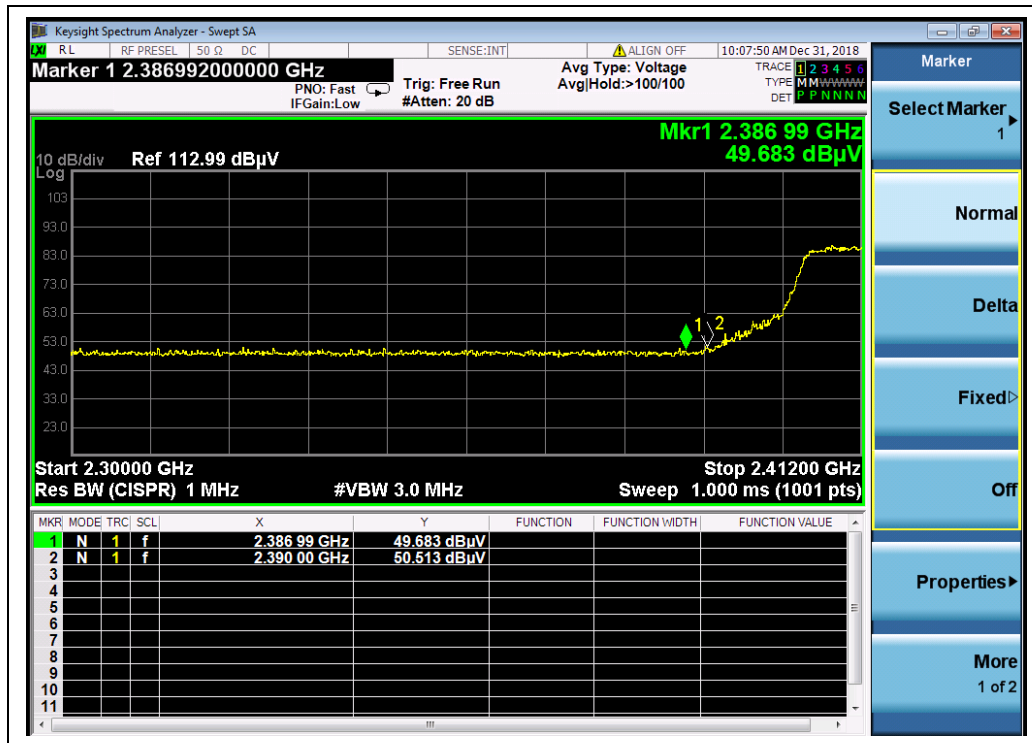


802.11g Test mode

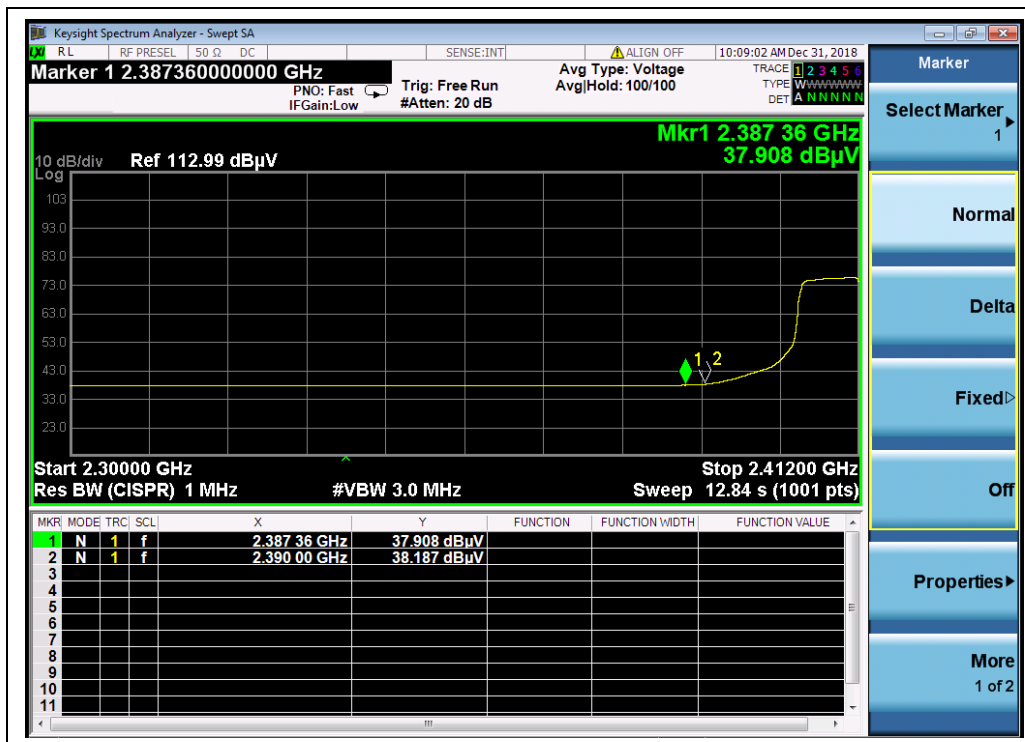
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
1	2390.00	PK	50.51	-29.67	32.56	53.40	74	PASS
1	2390.00	AV	38.19	-29.67	32.56	41.08	54	PASS
11	2483.50	PK	65.76	-29.67	32.56	68.65	74	PASS
11	2483.50	AV	47.76	-29.67	32.56	50.65	54	PASS

B. Test Plots:



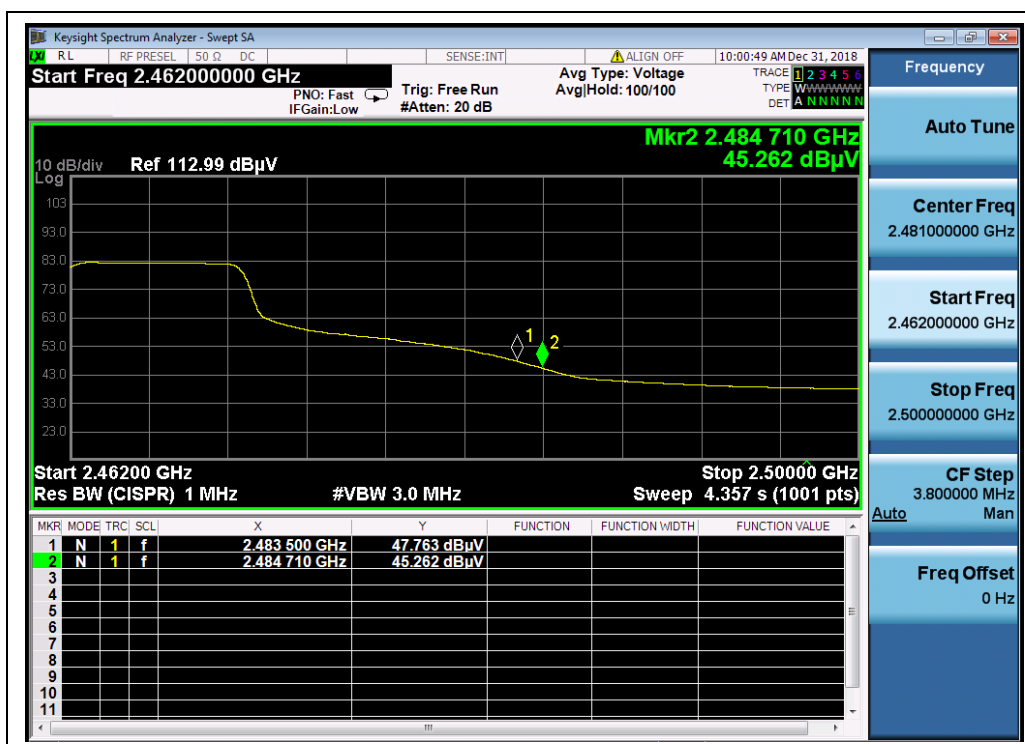
(Channel = 1 PEAK, 802.11g)



(Channel = 1 AVG, 802.11g)



(Channel = 11 PEAK, 802.11g)



(Channel = 11 AVG, 802.11g)

802.11 n(HT20) Test mode

A. Test Verdict:

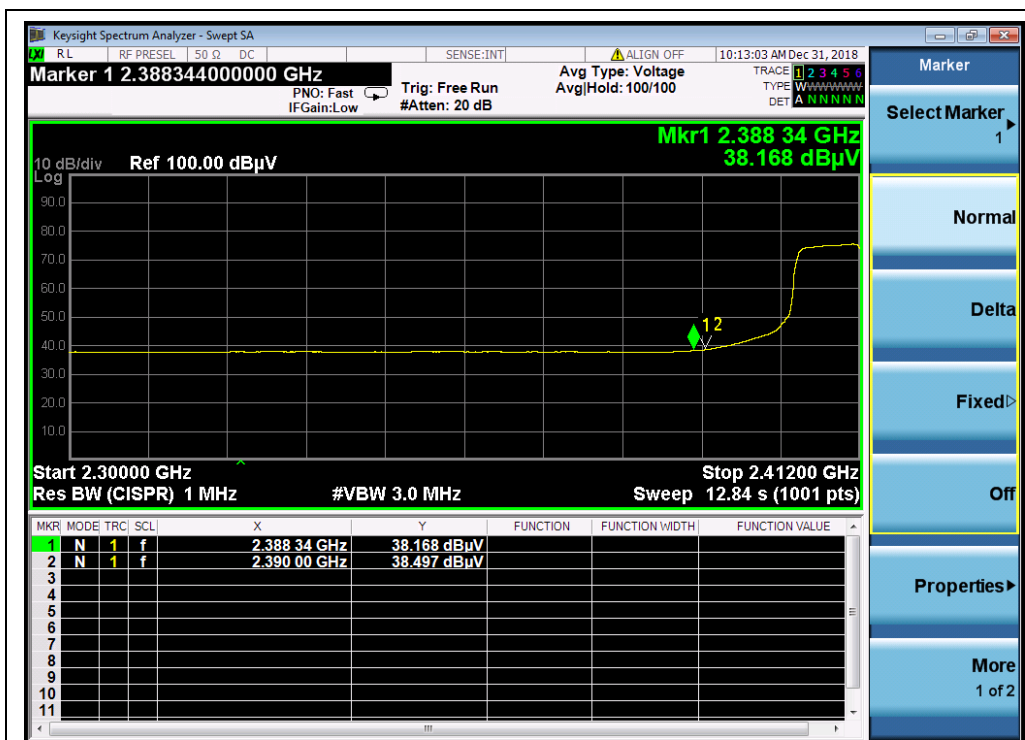
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
1	2390.00	PK	51.75	-29.67	32.56	54.64	74	PASS
1	2390.00	AV	38.50	-29.67	32.56	41.39	54	PASS
11	2484.29	PK	63.74	-29.67	32.56	66.63	74	PASS
11	2483.50	AV	45.91	-29.67	32.56	48.80	54	PASS



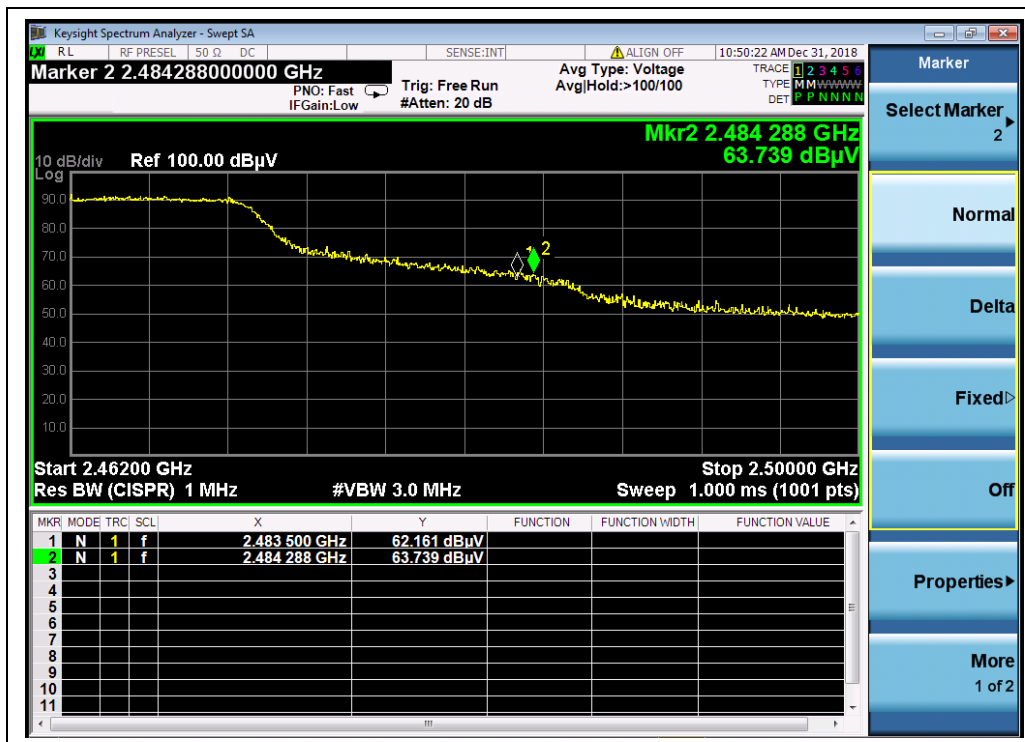
B. Test Plots:



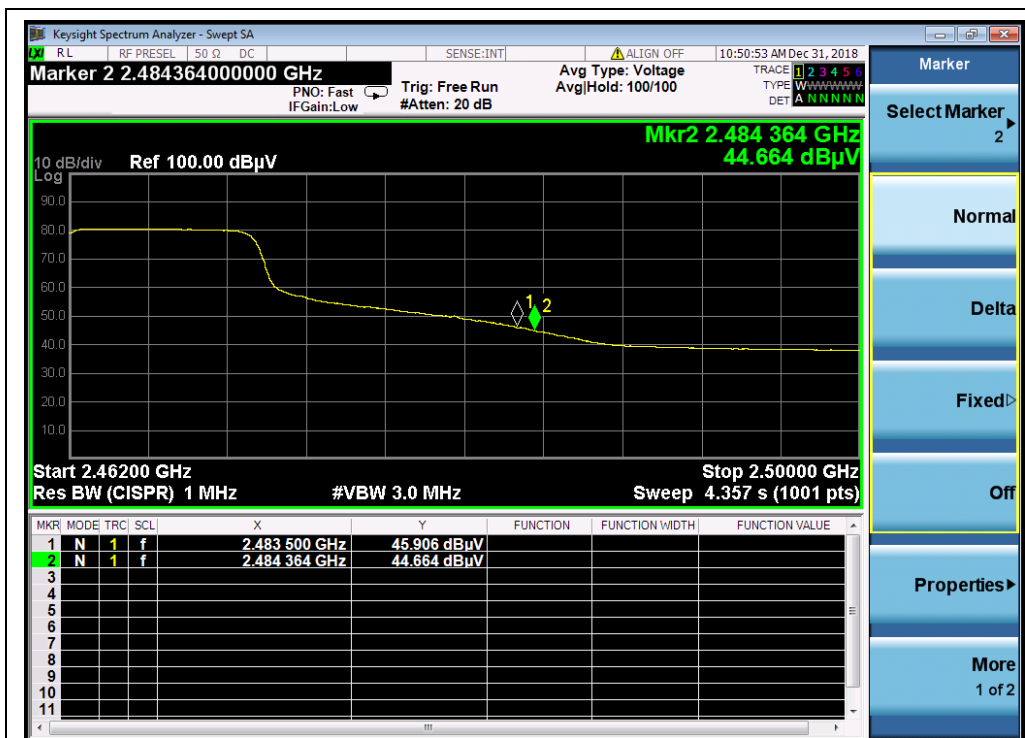
(Channel = 1 PEAK, 802.11n(HT20))



(Channel = 1 AVG, 802.11n(HT20))



(Channel = 11 PEAK, 802.11n(HT20))



(Channel = 11 AVG, 802.11n(HT20))



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

Note:

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.

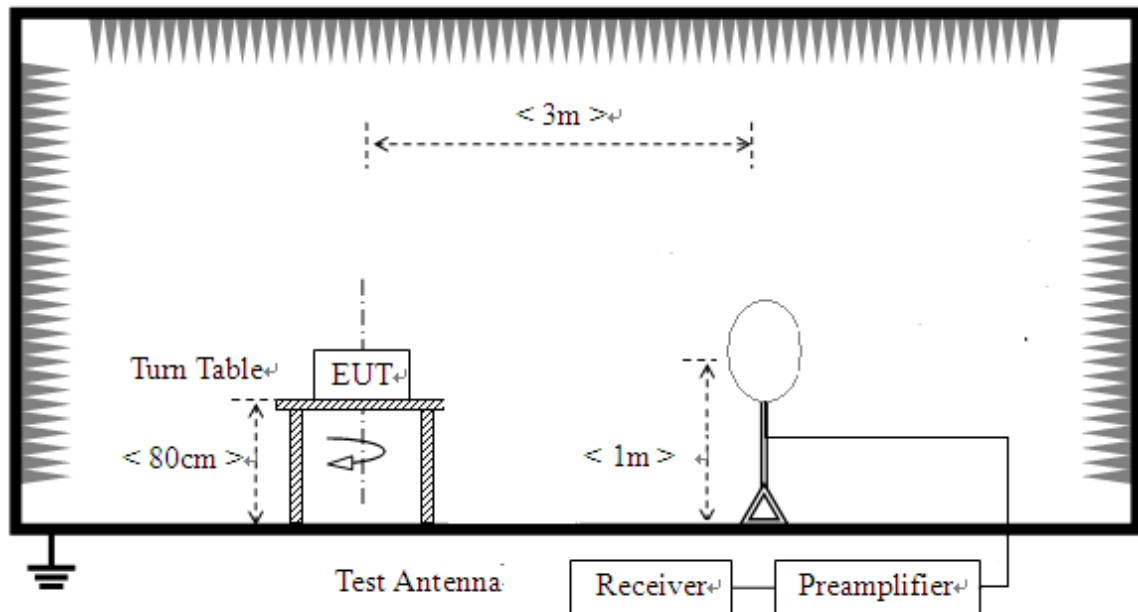
For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

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)

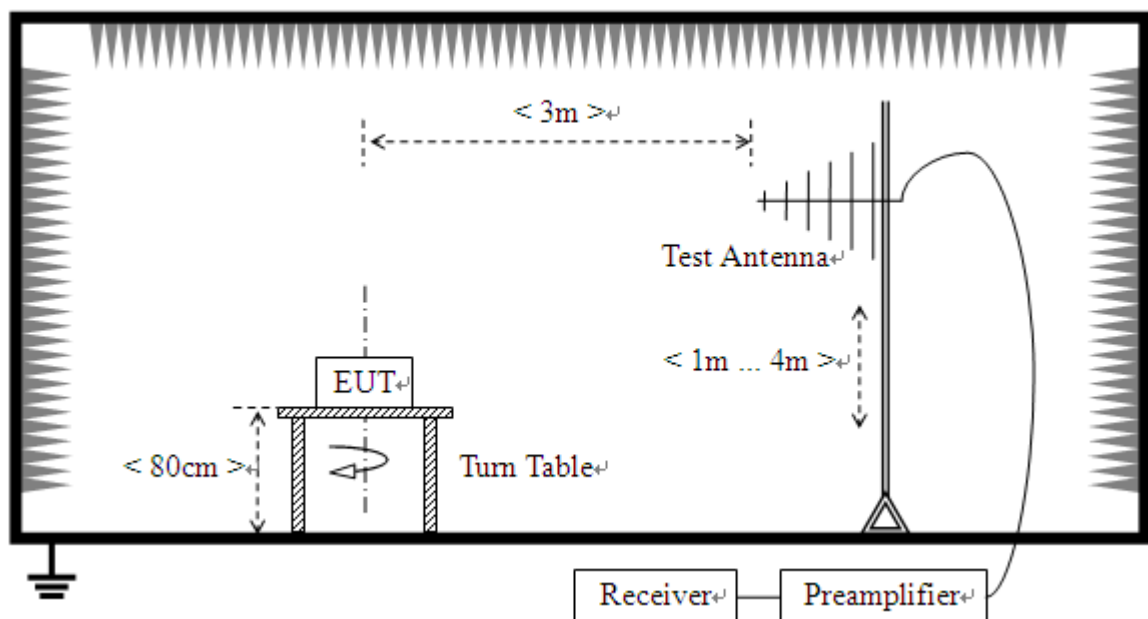
2.9.2. Test Description

A. Test Setup:

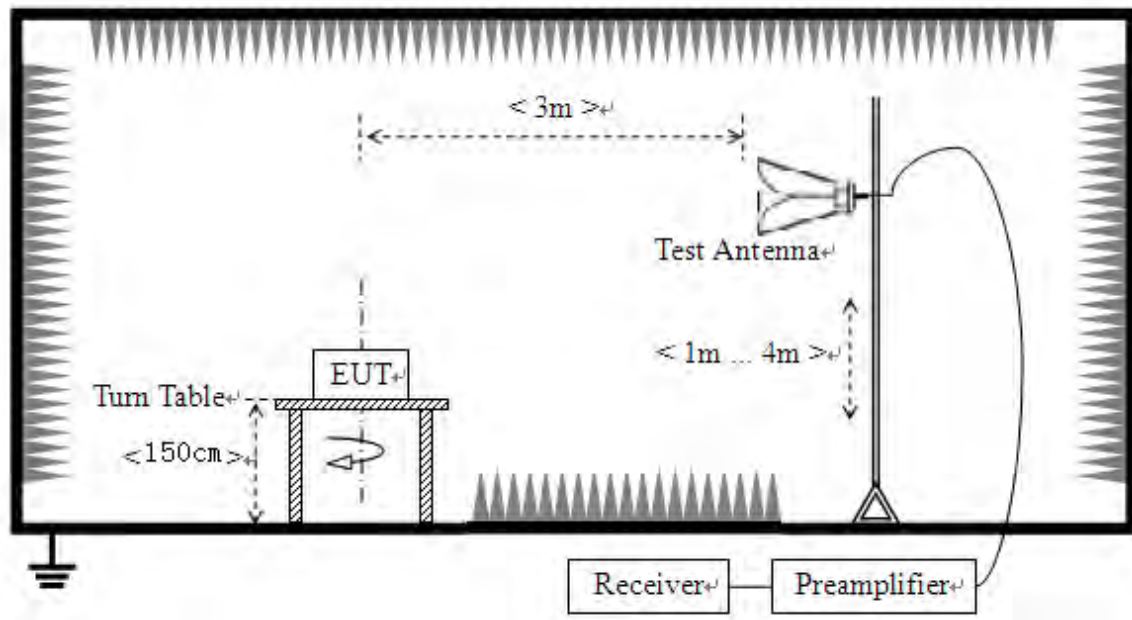
- 1) For radiated emissions from 9kHz to 30MHz



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



3) For radiated emissions above 1GHz



The RF absorbing material used on the reference ground plane and on the turntable have a maximum height (thickness) of 30 cm (12 in) and have a minimum-rated attenuation of 20 dB at all frequencies from 1 GHz to 18 GHz. Test site have a minimum area of the ground plane covered with RF absorbing material as specified in Figure 6 of ANSI C63.4: 2014.

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.10 (2013). For radiated emissions below or equal to 1GHz, The EUT was set-up on insulator 80cm above the Ground Plane, For radiated emissions above 1GHz, The EUT was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 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:

(a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

(b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Place the test antenna at 3m away from area of the EUT, while keeping the test antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The test antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final test antenna elevation shall be that which maximizes the emissions. The test antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. The emission levels at both horizontal and vertical polarizations should be tested.

A. Equipments List:

Please refer ANNEX B(4).

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 limit, it is unnecessary to perform an quasi-peak measurement.

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

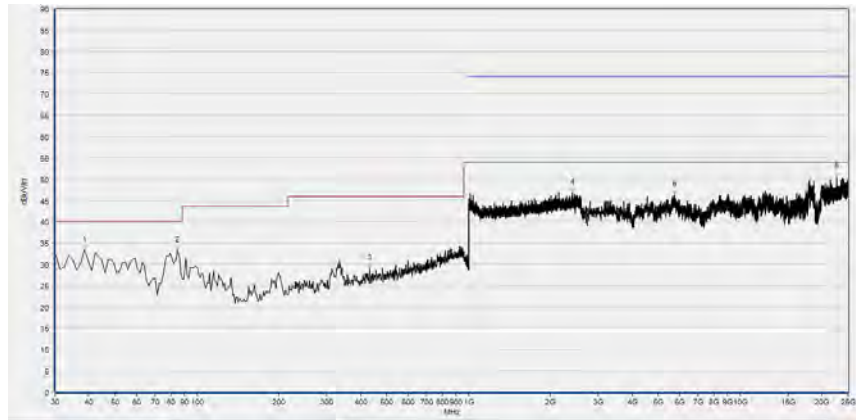
A_{Factor} : Antenna Factor at 3m

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.

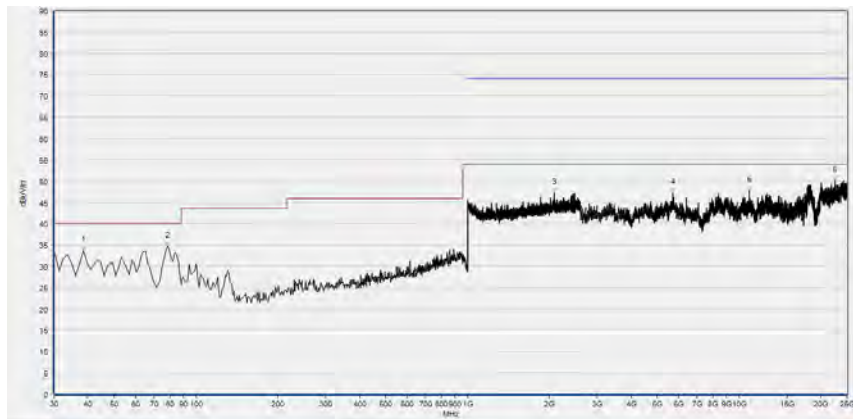
Note2: For the frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 25GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**802.11b Test mode****Plots for Channel = 1**

Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.498	33.33	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
84.631	33.23	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
431.840	28.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.484	46.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5748.791	46.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
22698.491	50.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

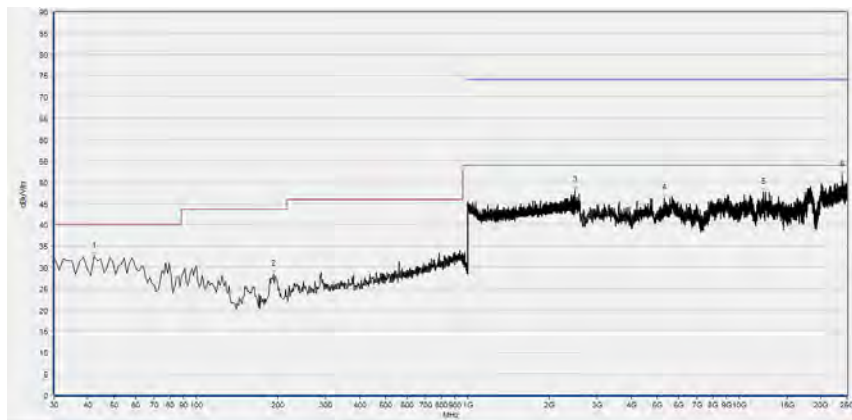


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.498	33.62	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
78.561	34.69	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2086.515	47.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5687.689	47.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10901.728	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
22572.213	50.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

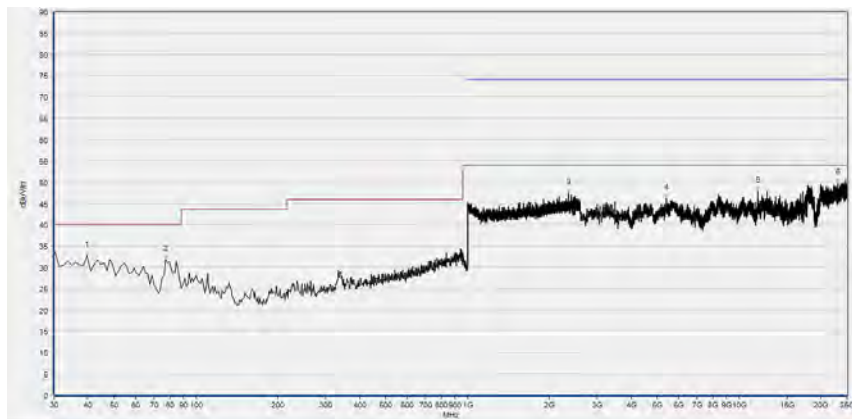


Plot for Channel = 6



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.140	32.46	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
192.678	28.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2492.437	48.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5284.415	46.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12294.854	47.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
23916.458	51.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

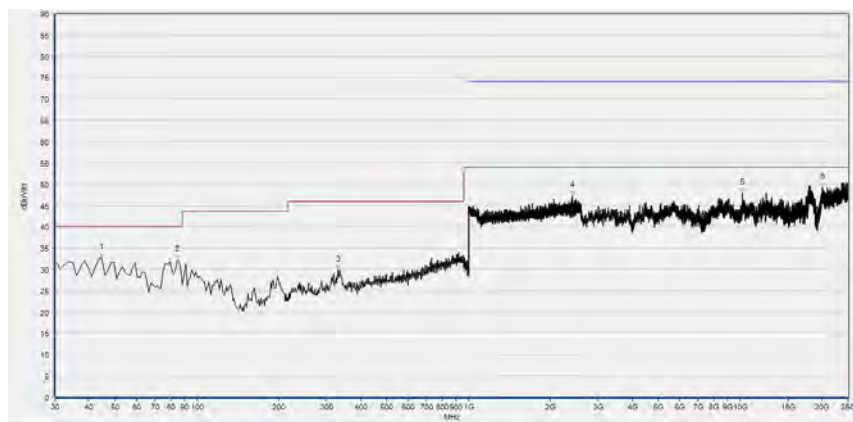
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
39.712	32.72	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
77.347	31.79	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2354.782	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5386.252	46.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11728.642	47.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
23134.352	49.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

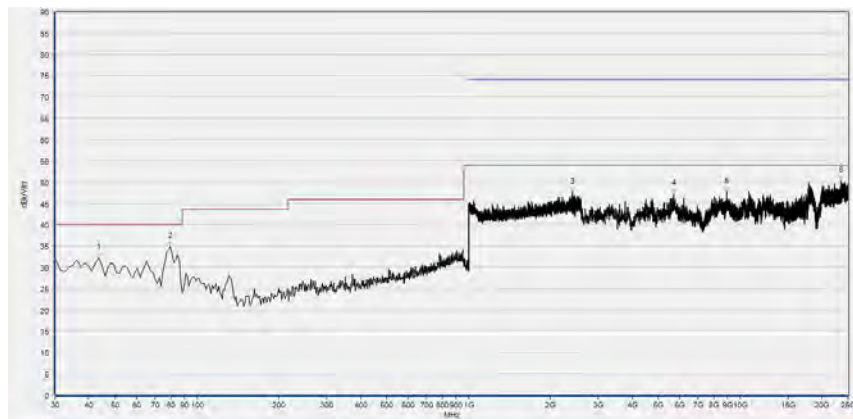
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 11



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.568	32.61	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
84.631	32.20	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
329.862	29.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.484	47.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10184.797	47.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
20091.471	49.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

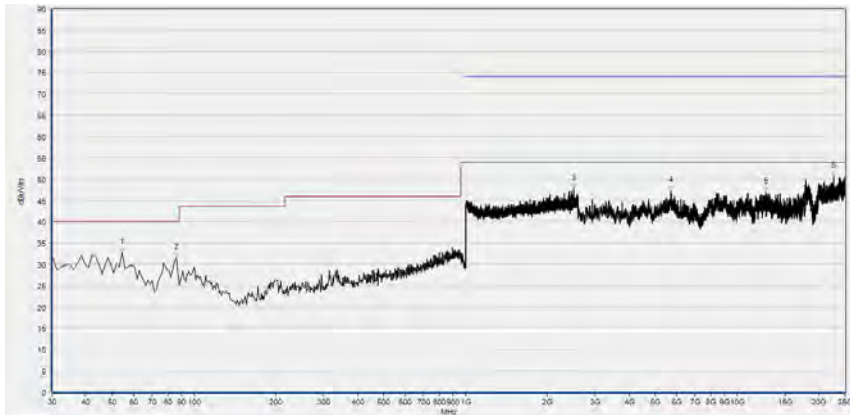


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.354	32.13	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
79.775	34.90	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2407.283	47.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5683.615	47.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8946.463	47.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
23496.890	50.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

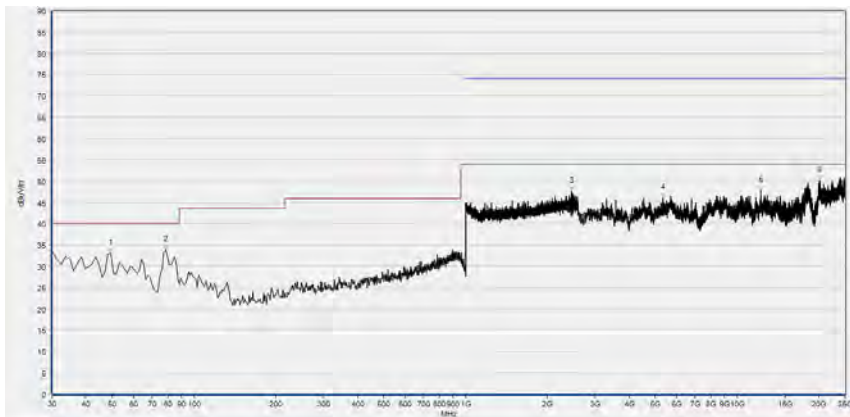
**802.11g Test mode**

Plots for Channel = 1



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.280	32.62	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
85.845	31.43	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
2494.358	47.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5691.762	47.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12771.449	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
22641.462	50.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

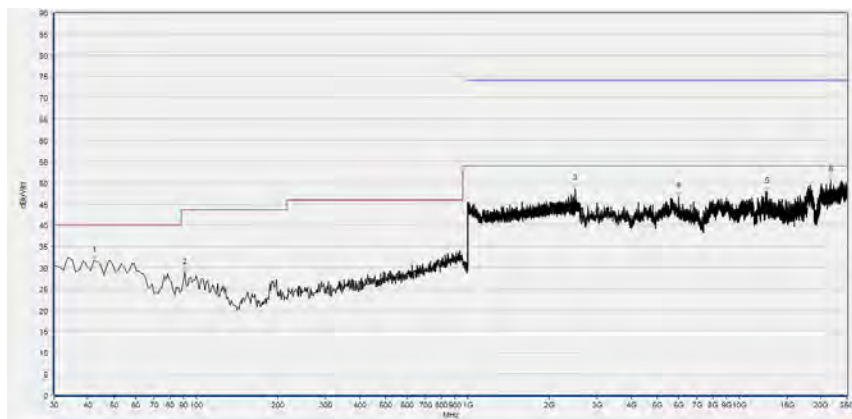
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.424	32.97	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
78.561	33.79	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2456.583	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5317.003	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12221.531	47.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
20152.573	50.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

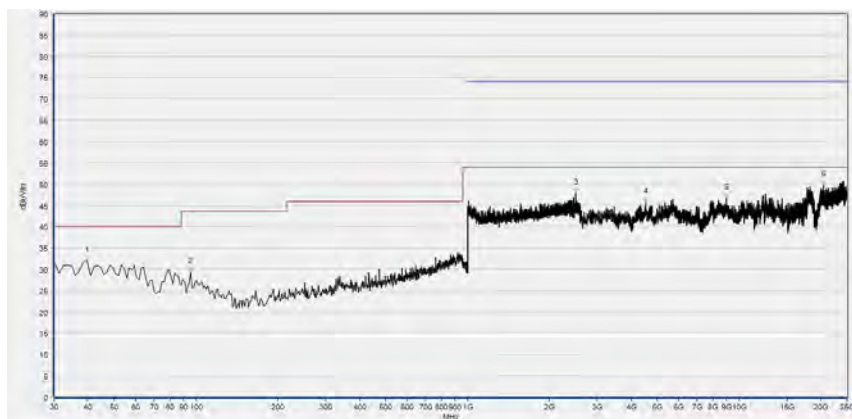
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 6



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.140	31.71	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.701	28.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2492.437	48.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5997.272	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12694.053	47.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
21712.711	50.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

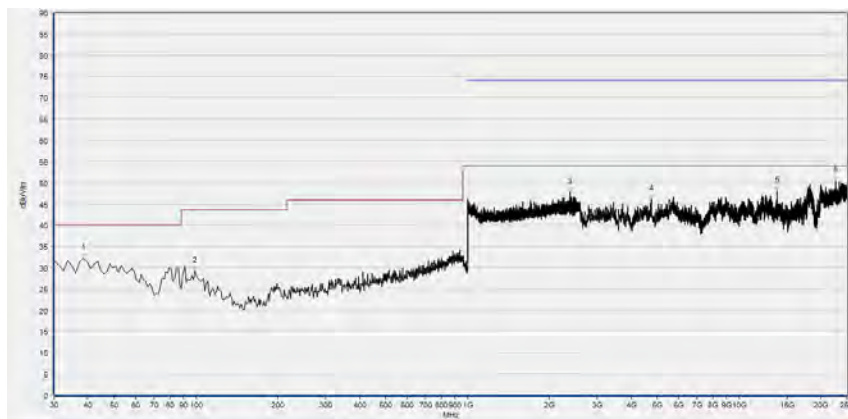
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
39.712	32.05	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
95.557	29.29	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2495.638	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4522.677	45.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8987.198	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
20429.569	49.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

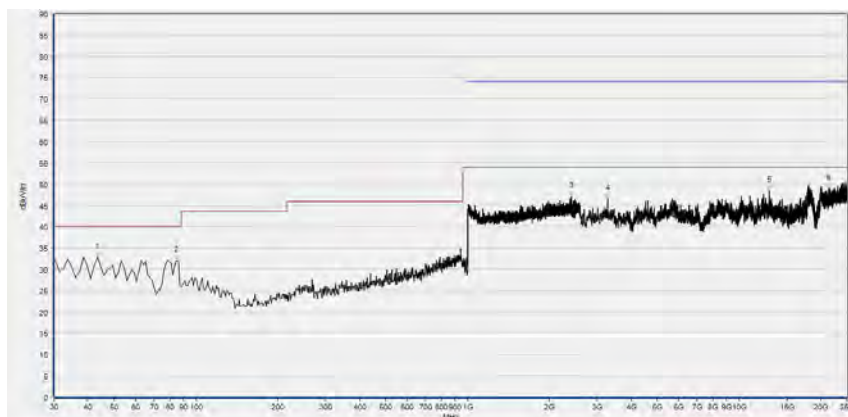
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 11



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.498	32.24	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
99.199	29.15	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2389.356	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4758.938	46.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13838.698	48.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
22625.168	50.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

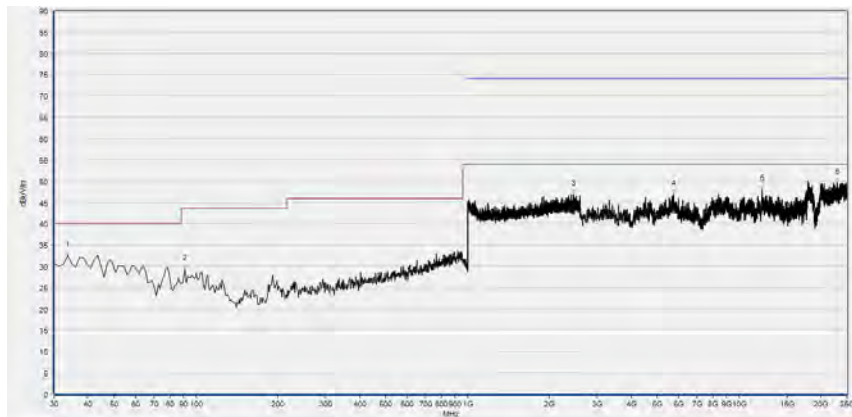


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.354	32.93	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
84.631	32.04	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2415.606	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3276.196	46.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12893.653	48.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
21358.320	48.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

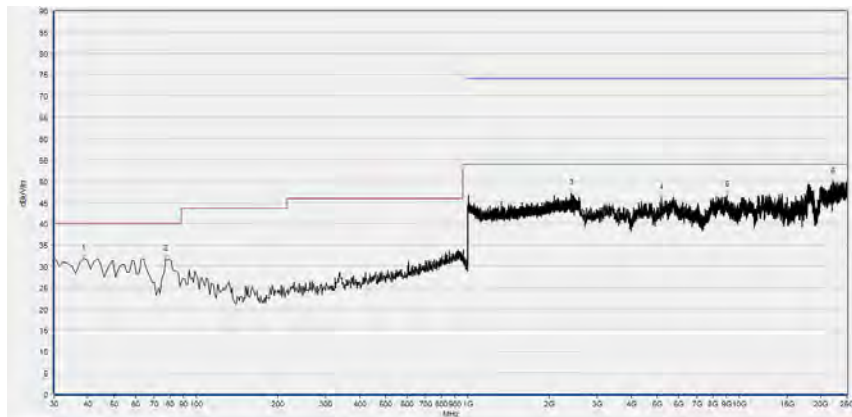
**802.11n(HT20) Test mode**

Plots for Channel = 1



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.642	32.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
90.701	29.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2448.259	46.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5740.644	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12180.797	48.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
22906.237	49.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

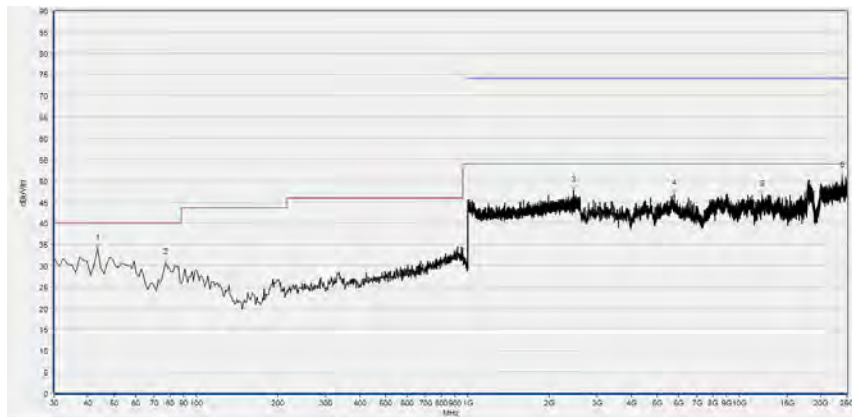
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.498	31.90	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
77.347	31.69	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2404.722	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5186.652	45.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9011.638	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
22185.234	49.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

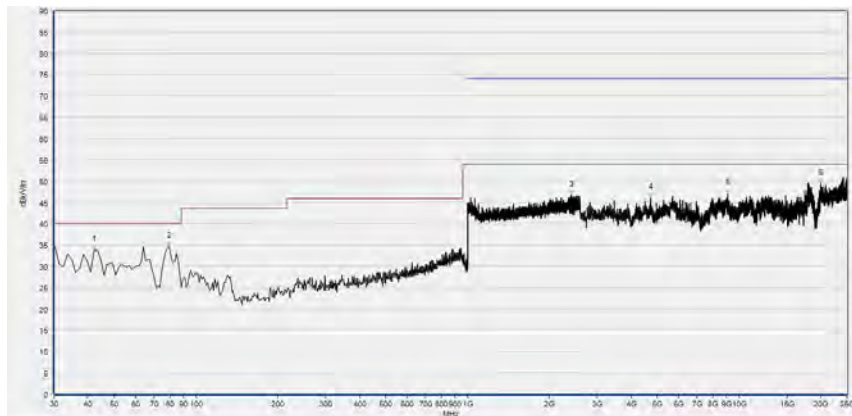
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 6



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.354	33.94	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
77.347	30.60	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
2454.022	47.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5761.011	46.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12188.943	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
24002.000	51.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

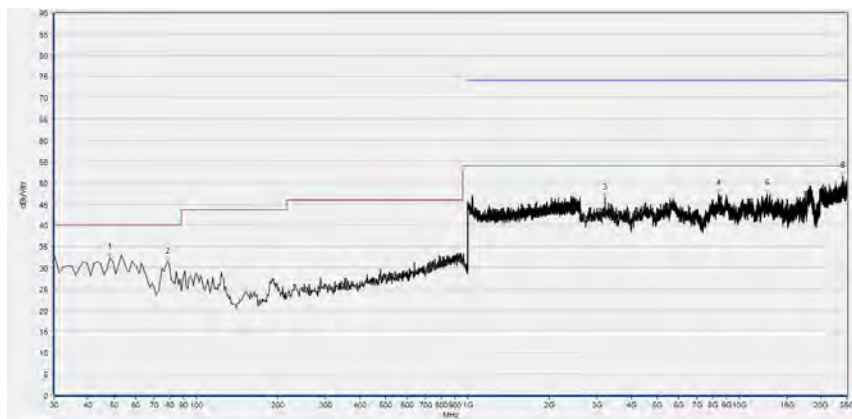
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.140	33.87	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
79.775	34.70	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2405.362	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4718.203	46.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9105.328	47.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
20030.369	49.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

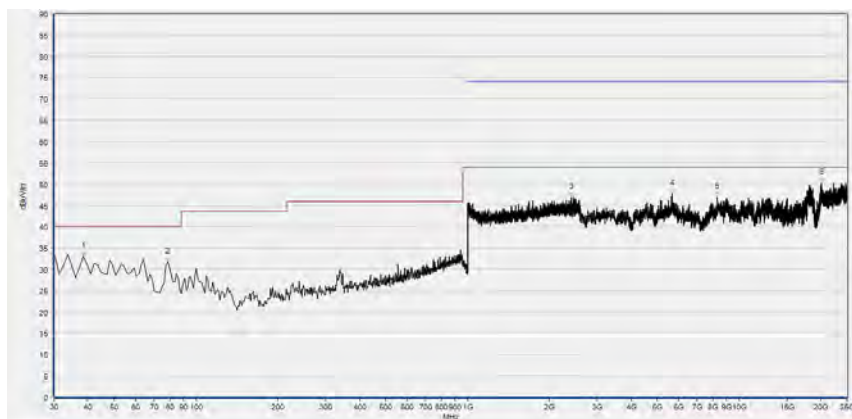
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 11



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.210	32.38	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
78.561	31.27	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
3215.094	46.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8412.839	47.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12685.907	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
24160.866	51.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.498	32.99	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
78.561	31.73	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
2411.124	46.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5663.248	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8286.561	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
20119.985	50.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

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 (PSD)	$\pm 2.22\text{dB}$
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

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
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

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	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	Cal. Due
Attenuator 1	(N/A.)	10dB	Resnet	2018.04.17	2019.04.16
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2018.11.06	2019.11.05
USB Wideband Power Sensor	MY54210011	U2021XA	Agilent	2018.04.17	2019.04.16
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	Cal. Due
Receiver	MY56400093	N9038A	KEYSIGHT	2018.05.08	2019.05.07
LISN	812744	NSLK 8127	Schwarzbeck	2018.05.08	2019.05.07
Pulse Limiter (20dB)	9391	VTSD 9561-D	Schwarzbeck	2018.05.08	2019.05.07
Coaxial cable(BNC) (30MHz-26GHz)	CB01	EMC01	Morlab	N/A	N/A
PC	C02FQ2PYD DQW	A1370	Apple	N/A	N/A

4.3 List of Software Used

Description	Manufacturer	Software Version
Test system	Tonscend	V2.6
Power Panel	Agilent	V3.8
MORLAB EMCR V1.2	MORLAB	V 1.0

**4.4 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY54130016	N9038A	Agilent	2018.08.04	2019.08.03
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2018.05.18	2019.05.17
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2018.03.03	2019.03.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2018.08.06	2019.08.05
Test Antenna – Horn	BBHA9170 #774	BBHA9170	Schwarzbeck	2018.08.02	2019.08.01
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
1-18GHz pre-Amplifier	MA02	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
18-26.5GHz pre-Amplifier	MA03	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	2018.12.01	2019.11.30
Anechoic Chamber	N/A	9m*6m*6m	CRT	2017.11.19	2020.11.18

————— END OF REPORT —————