



FCC TEST REPORT

**Test report
On Behalf of
ChangSha Kiloview Electronics CO.,LTD.
For
Wireless Video Encoder
Model No.: N2, N1, P1, P2, E1, E2, G1, G2, M2, N1 Pro, N2 Pro**

FCC ID: 2AUYY-NPX

**Prepared for : ChangSha Kiloview Electronics CO.,LTD.
7F, Building 13, 188#, Middle Huanbao Rd, Yuhua District,
Changsha, Hunan Province, China**

**Prepared By : Shenzhen HUAKE Testing Technology Co., Ltd.
1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park,
Fuhai Street, Bao'an District, Shenzhen City, China**

**Date of Test: Oct. 12, 2019 ~ Nov. 02, 2019
Date of Report: Nov. 02, 2019
Report Number: HK1910152578-E**



TEST RESULT CERTIFICATION

Applicant's name: ChangSha Kiloview Electronics CO.,LTD.
Address.....: 7F, Building 13, 188#, Middle Huanbao Rd, Yuhua District, Changsha, Hunan Province, China

Manufacture's Name: ChangSha Kiloview Electronics CO.,LTD.
Address.....: 7F, Building 13, 188#, Middle Huanbao Rd, Yuhua District, Changsha, Hunan Province, China

Product description

Trade Mark : N/A
Product name: Wireless Video Encoder
Model and/or type reference : N2, N1, P1, P2, E1, E2, G1, G2, M2, N1 Pro, N2 Pro
Standards: FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.10: 2013

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Date of Test.....:
Date (s) of performance of tests.....: Oct. 12, 2019 ~ Nov. 02, 2019
Date of Issue.....: Nov. 02, 2019
Test Result.....: **Pass**

Testing Engineer : Gary Qian
(Gary Qian)

Technical Manager : Eden Hu
(Eden Hu)

Authorized Signatory : Jason Zhou
(Jason Zhou)



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1. Test Result Summary

1.1. TEST PROCEDURES AND RESULTS

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247 (b)(3)	PASS
6dB Emission Bandwidth	§15.247 (a)(2)	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	§15.247 (d)	PASS
Spurious Emission	§15.205/§15.209	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

1.2. TEST FACILITY

Test Firm : Shenzhen HUAKE Testing Technology Co., Ltd.

Address : 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China



1.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	$\pm 2.56\text{dB}$
2	RF power, conducted	$\pm 0.12\text{dB}$
3	Spurious emissions, conducted	$\pm 0.11\text{dB}$
4	All emissions, radiated(<1G)	$\pm 3.92\text{dB}$
5	All emissions, radiated(>1G)	$\pm 4.28\text{dB}$
6	Temperature	$\pm 0.1^\circ\text{C}$
7	Humidity	$\pm 1.0\%$



2. EUT Description

GENERAL DESCRIPTION OF EUT

Equipment	Wireless Video Encoder
Model Name	N2
Serial No.	N1, P1, P2, E1, E2, G1, G2, M2, N1 Pro, N2 Pro
Model Difference	All model's the function, software and electric circuit are the same, only with a product port and model named different. Test sample model: N2
Trade Mark	N/A
FCC ID	2AUYYX-NPX
Hardware Version:	V0.1
Software Version:	V1.3.12
Operation frequency	802.11b/g/n 20: 2412~2462 MHz 802.11n 40: 2422~2452MHz
Number of Channels	802.11b/g/n20: 11CH 802.11n 40: 7CH
Antenna Type	Glue stick Antenna
Antenna Gain	ANT1:2dBi ANT2 :2dBi
Modulation Type	CCK/DSSS/OFDM
Power Source	DC 12V from adapter

2.1. Carrier Frequency of Channels

For ANT1 and ANT2

Channel List for 802.11b/802.11g/802.11n (HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

Channel List For 802.11n (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
--	--	04	2427	07	2442	--	--
--	--	05	2432	08	2447	--	--
03	2422	06	2437	09	2452		

Note: In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below.



2.2. Operation of EUT during testing

For ANT1 and ANT2 : Operating Mode

The mode is used: **Transmitting mode for 802.11b/802.11g/802.11n (HT20)**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

The mode is used: **Transmitting mode for 802.11n (HT40)**

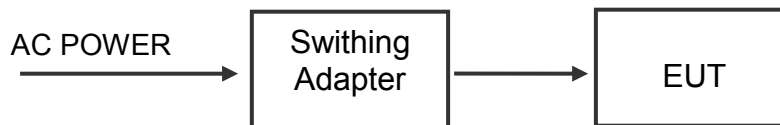
Low Channel: 2422MHz

Middle Channel: 2437MHz

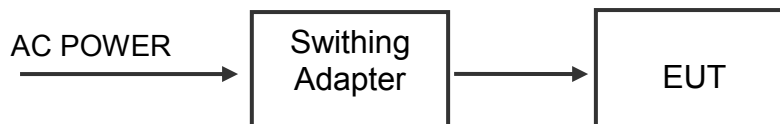
High Channel: 2452MHz

2.3. DESCRIPTION OF TEST SETUP

Operation of EUT during conducted and Radiation testing and Above1GHz Radiation testing:



Operation of EUT during Radiation and Above1GHz Radiation testing:





3. Genera Information

3.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%)
<p>The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.</p>	

<p>We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:</p>	
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	MCS0
802.11n(H40)	MCS7
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
<p>1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.</p> <p>2. According to ANSI C63.10 standards, the test results are both the “worst case” and “worst setup” 1Mbps for 802.11b, 6Mbps for 802.11g, MCS0 for 802.11n(H20), MCS7 for 802.11(H40). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.</p>	



3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Description	Model No.	Manufacturer	Remark	Certificate
Switching Adapter	MODEL:PW25T12A1 INPUT:100-240V AC 50/60Hz OUTPUT:12V 1A	/	Provide by Applicant	SDOC
Computer	Model: TP00067A	DELL	Provide by lab	SDOC
USB cable	/	/	Provide by Applicant	SDOC
HDMI cable	/	/	Provide by Applicant	SDOC

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



4. Test Results and Measurement Data

4.1. Conducted Emission

Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	<p><i>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</i></p>														
Test Mode:	Charging + transmitting with modulation														
Test Procedure:	<ol style="list-style-type: none"> 1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 														
Test Result:	PASS														

**Test Instruments**

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Receiver	R&S	ESCI 7	HKE-010	Dec. 27, 2019
LISN	R&S	ENV216	HKE-002	Dec. 27, 2019
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

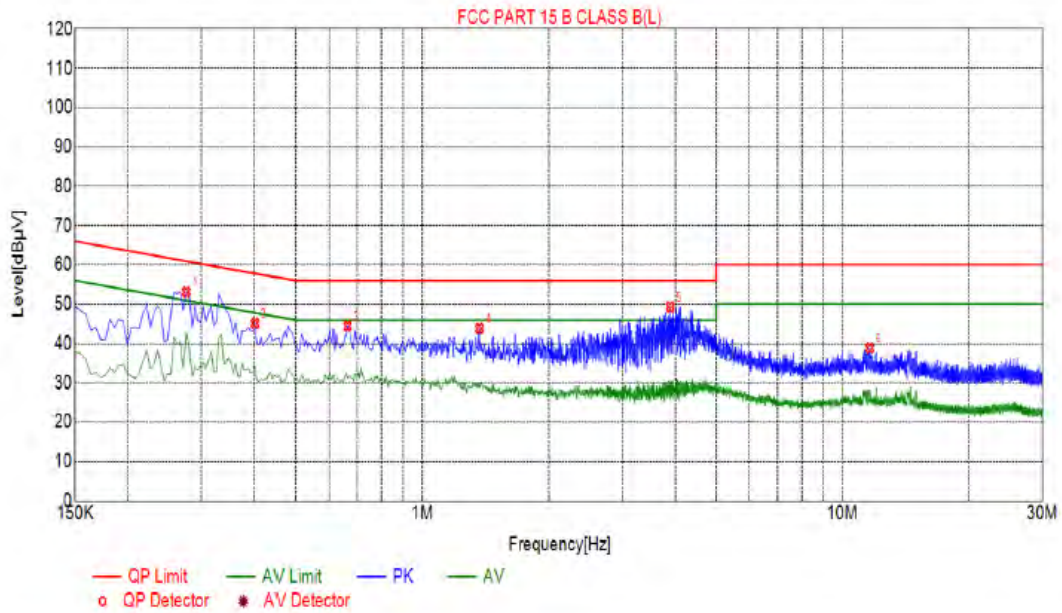


Test data

Note :

All the test modes completed for test. only the worst result of AC 120V/60Hz(802.11b at 2412MHz) was reported as below:

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)

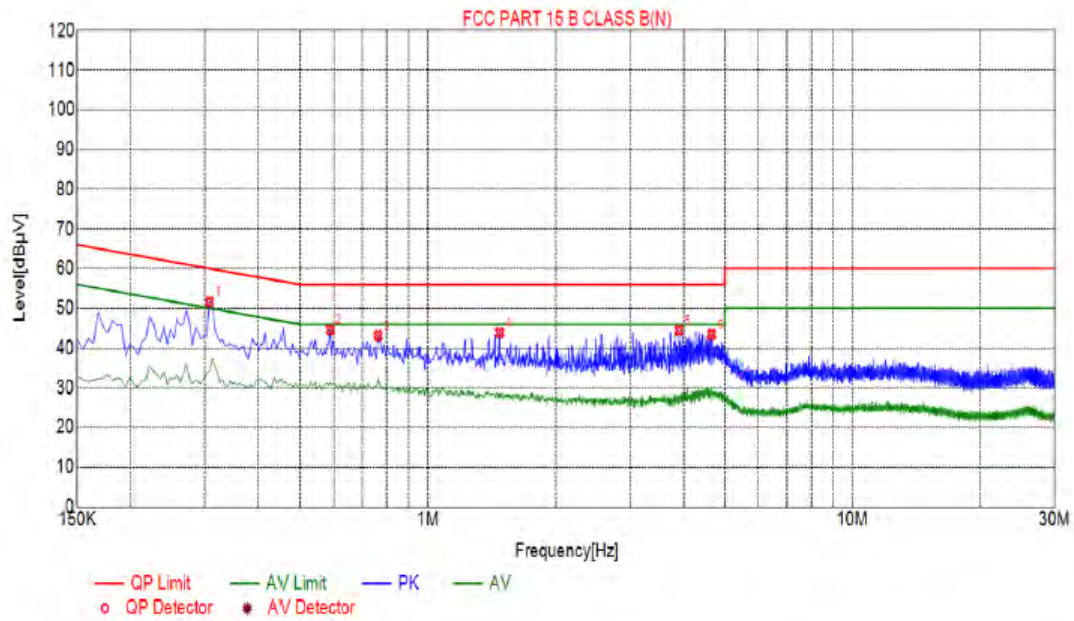


Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.2760	53.11	10.04	60.94	7.83	PK
2	0.2760	42.49	10.04	50.94	8.45	AV
3	0.4020	45.18	10.04	57.81	12.63	PK
4	0.6630	44.48	10.05	56.00	11.52	PK
5	1.3650	43.88	10.11	56.00	12.12	PK
6	3.8895	49.29	10.25	56.00	6.71	PK
7	3.8895	30.16	10.25	46.00	15.84	AV
8	11.6295	38.87	10.00	60.00	21.13	PK

Remark: Margin = Limit – Level
 Correction factor = Cable lose + LISN insertion loss
 Level=Test receiver reading + correction factor



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.3075	51.64	10.05	60.04	8.40	PK
2	0.3075	37.28	10.05	50.04	12.76	AV
3	0.5865	44.65	10.05	56.00	11.35	PK
4	0.7620	43.16	10.05	56.00	12.84	PK
5	1.4730	43.90	10.10	56.00	12.10	PK
6	3.9030	44.47	10.25	56.00	11.53	PK
7	4.6545	43.46	10.26	56.00	12.54	PK

Remark: Margin = Limit – Level
 Correction factor = Cable lose + LISN insertion loss
 Level=Test receiver reading + correction factor



4.2. Maximum Conducted Output Power

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074
Limit:	30dBm
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v05. 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the Peak output power and record the results in the test report.
Test Result:	PASS

Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Power meter	Agilent	E4417B	HKE-107	Dec. 27, 2019
Power Sensor	Agilent	E9327A	HKE-113	Dec. 27, 2019
RF cable	Times	1-40G	HKE-034	Dec. 27, 2019
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 27, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Test Data




TX 802.11b Mode					
Test Channel	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)			LIMIT (dBm)
		ANT1	ANT2	SUM	
CH01	2412	15.95	15.57	/	30
CH06	2437	16.42	15.89	/	30
CH11	2462	15.99	15.65	/	30
TX 802.11g Mode					
CH01	2412	13.84	13.66	/	30
CH06	2437	14.08	14.02	/	30
CH11	2462	13.44	13.51	/	30
TX 802.11n20 Mode					
CH01	2412	13.43	12.49	16.00	30
CH06	2437	13.74	13.11	16.45	30
CH11	2462	13.23	12.64	15.96	30
TX 802.11n40 Mode					
CH03	2422	11.38	11.68	14.54	30
CH06	2437	11.95	11.97	14.97	30
CH09	2452	11.77	11.07	14.44	30



4.3. Emission Bandwidth

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB 558074
Limit:	>500kHz
Test Setup:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v05. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Test Result:	PASS

Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2019
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Dec. 27, 2019
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 27, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

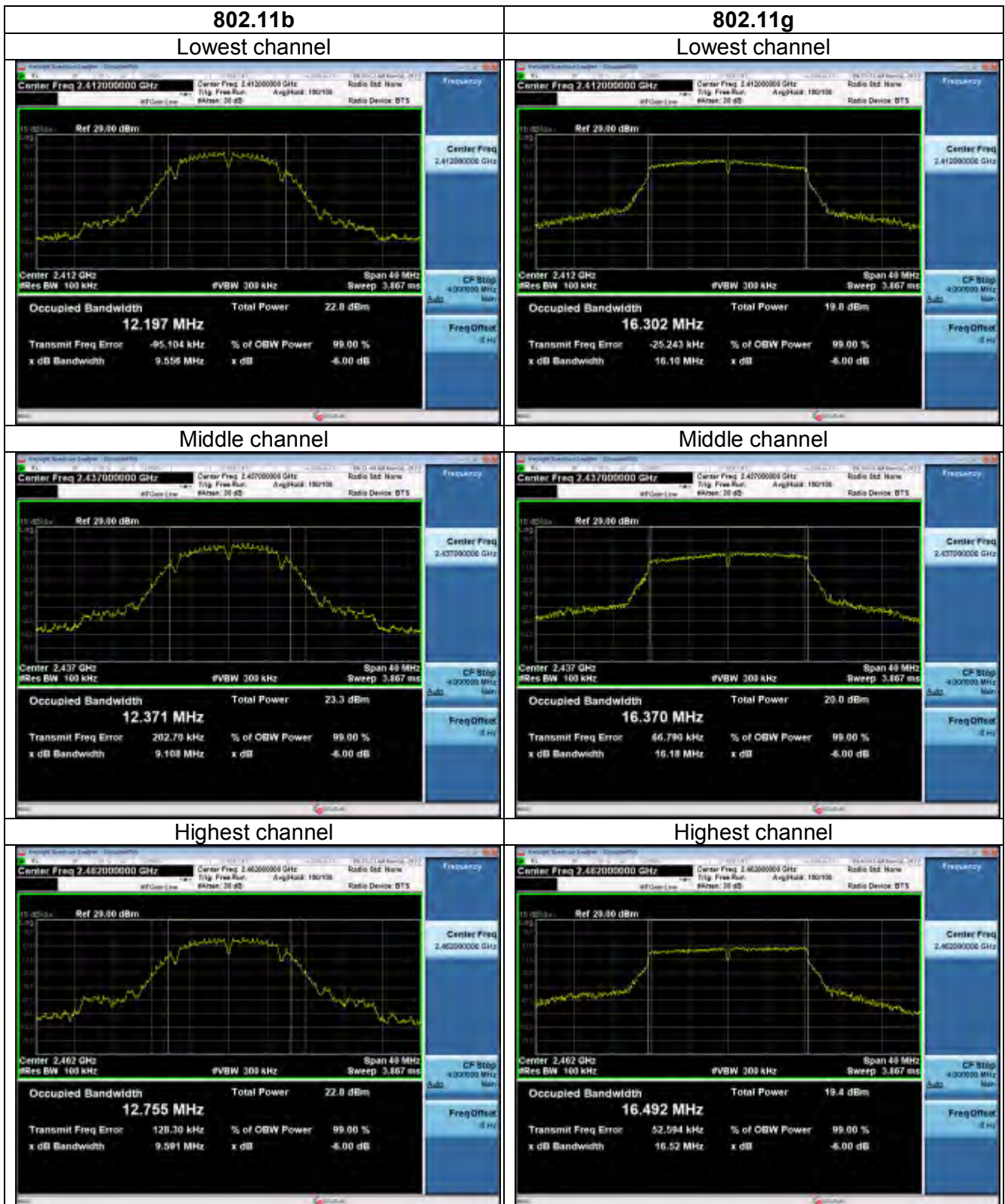
**Test data**

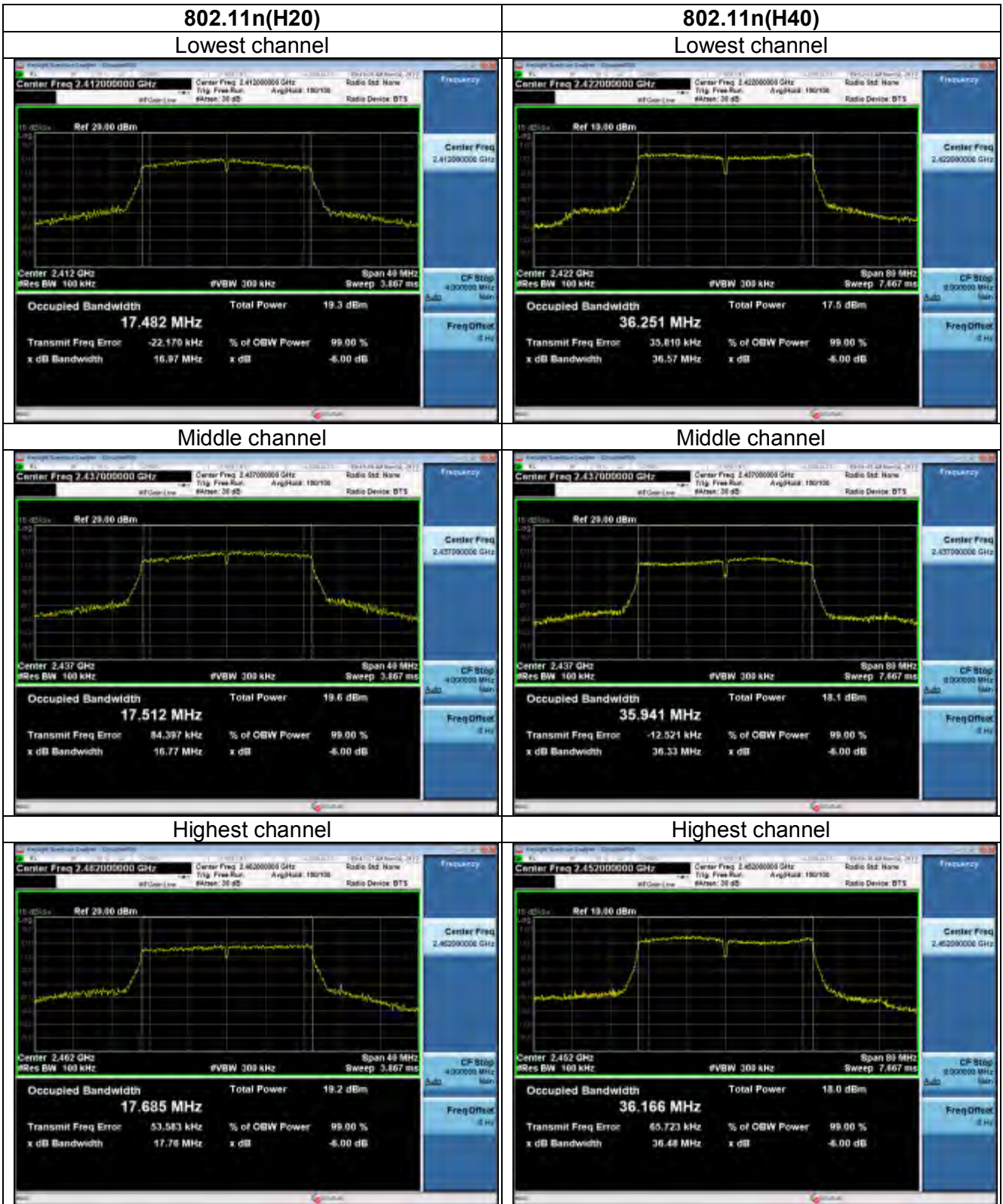
Test mode	Test channel	6dB Emission Bandwidth (MHz)		Limit:	Test Result:
		ANT1	ANT2		
802.11b	Lowest	9.556	8.175	>500kHz	PASS
	Middle	9.108	8.873		
	Highest	9.591	9.633		
802.11g	Lowest	16.10	16.51	>500kHz	PASS
	Middle	16.18	16.51		
	Highest	16.52	16.56		
802.11n(H20)	Lowest	16.97	17.70	>500kHz	PASS
	Middle	16.77	17.77		
	Highest	17.76	17.75		
802.11n(H40)	Lowest	36.57	36.57	>500kHz	PASS
	Middle	36.33	36.33		
	Highest	36.48	36.49		

Test plots as follows:



ANT1







ANT2





**Test data**

Test mode	Test channel	Power Spectral Density (dBm/3kHz)			Limit:	Result
		ANT1	ANT2	SUM		
802.11b	Lowest	-8.049	-13.621	/	8dBm	PASS
	Middle	-7.037	-13.549	/		
	Highest	-8.083	-14.266	/		
802.11g	Lowest	-12.731	-14.963	/	8dBm	PASS
	Middle	-13.632	-14.571	/		
	Highest	-14.757	-14.400	/		
802.11n(H20)	Lowest	-13.723	-15.776	-11.619	8dBm	PASS
	Middle	-13.134	-15.417	-11.117		
	Highest	-14.199	-14.297	-11.237		
802.11n(H40)	Lowest	-16.986	-18.554	-14.689	8dBm	PASS
	Middle	-17.052	-16.555	-13.785		
	Highest	-16.688	-18.636	-14.543		

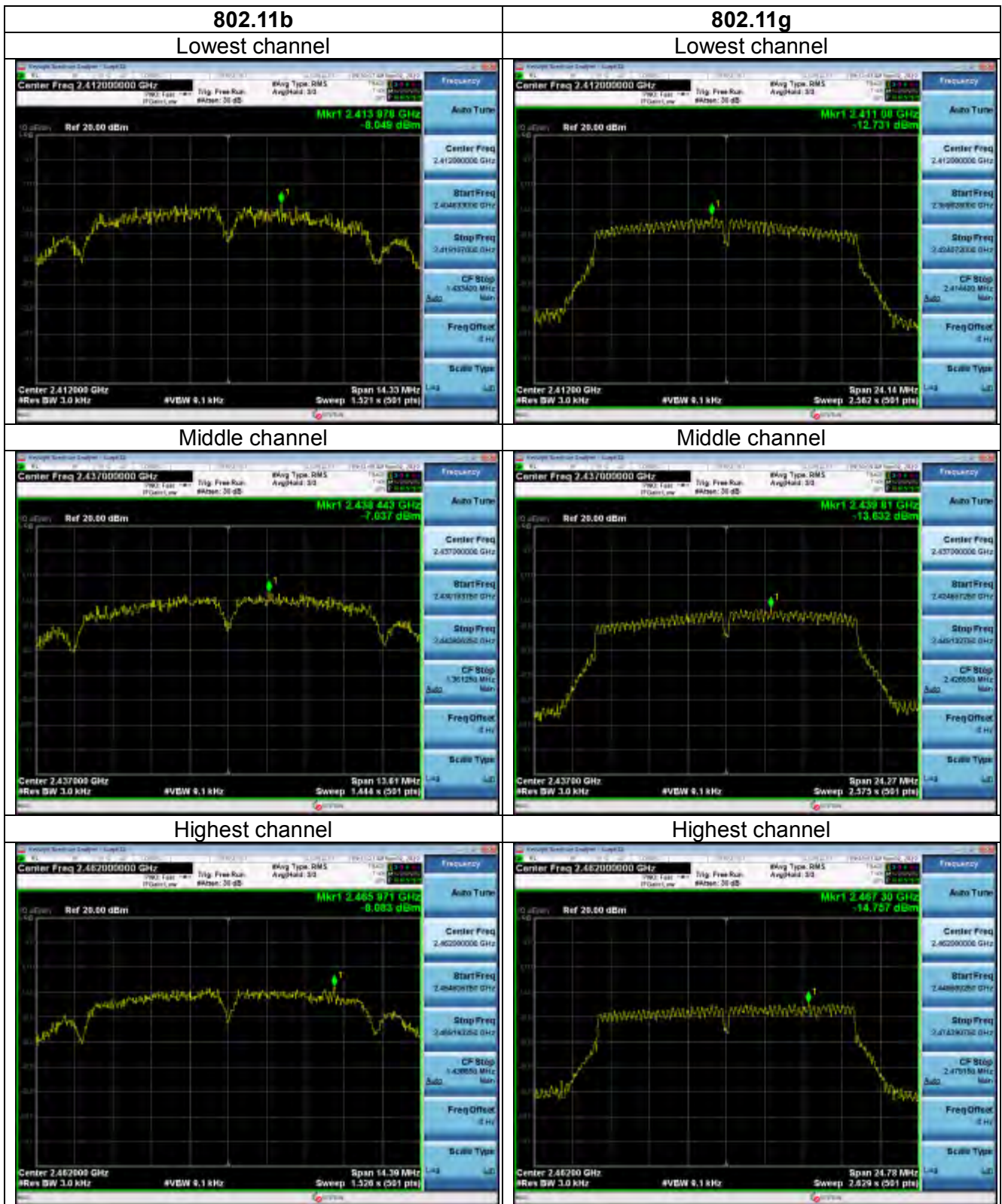
Remark:

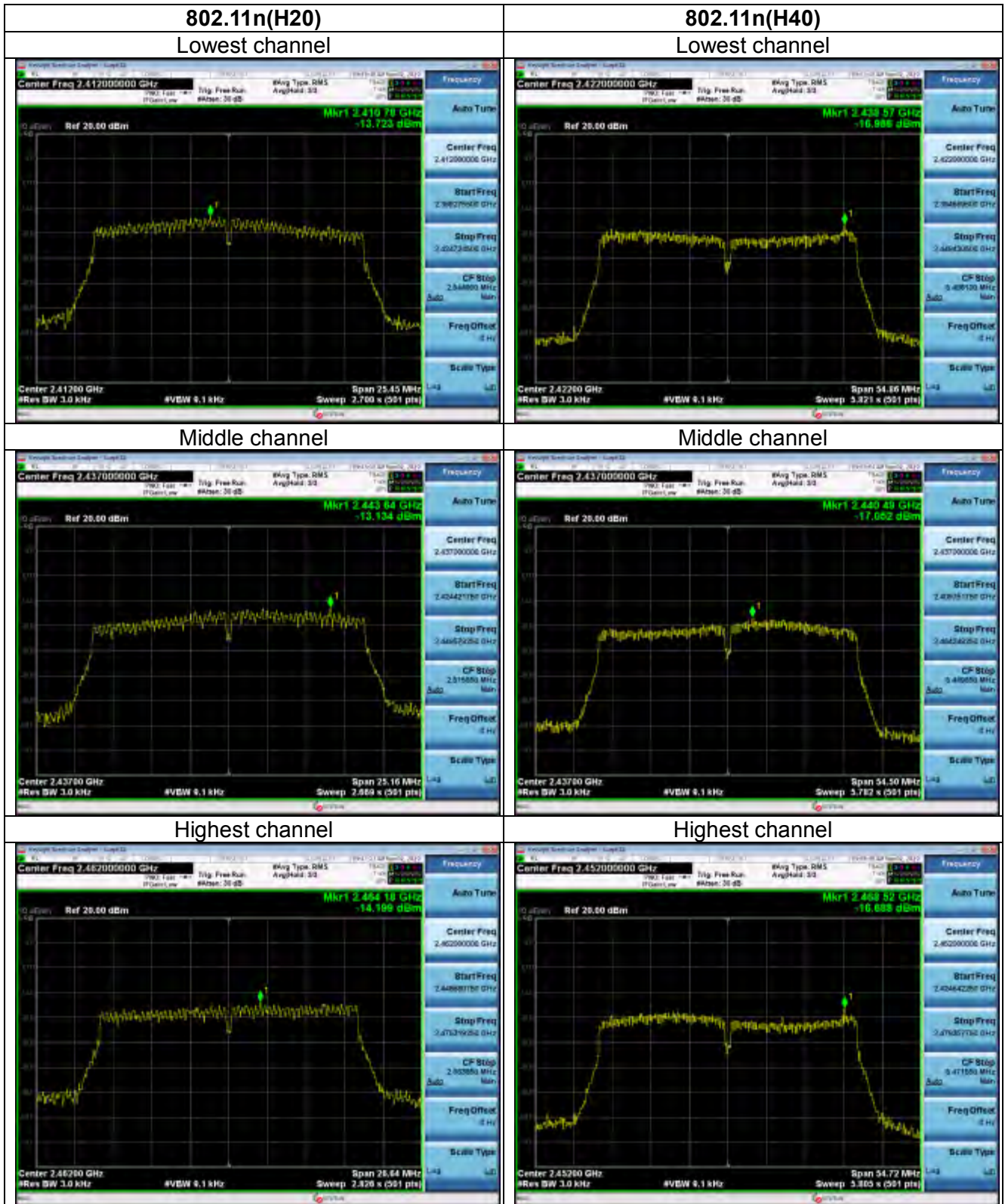
1. Measured peak power spectrum density at difference data rate for each mode and recorded worst case for each mode.
2. Test results including cable loss;
3. Please refer to following plots;
4. The PSD limits of IEEE 802.11n HT20 and IEEE 802.11 n HT40 for MIMO with CDD technology should be reduce $(10 \cdot \log(2)) = 3.010\text{dBi}$ according to KDB662911D01;
5. For MIMO with CCD technology device, The Directional Gain= Gain of individual transmit antennas (dBi) + Array gain;
Array gain = $10 \log(N_{ant})$, where N_{ant} is the number of transmit antennas.

Test plots as follows:



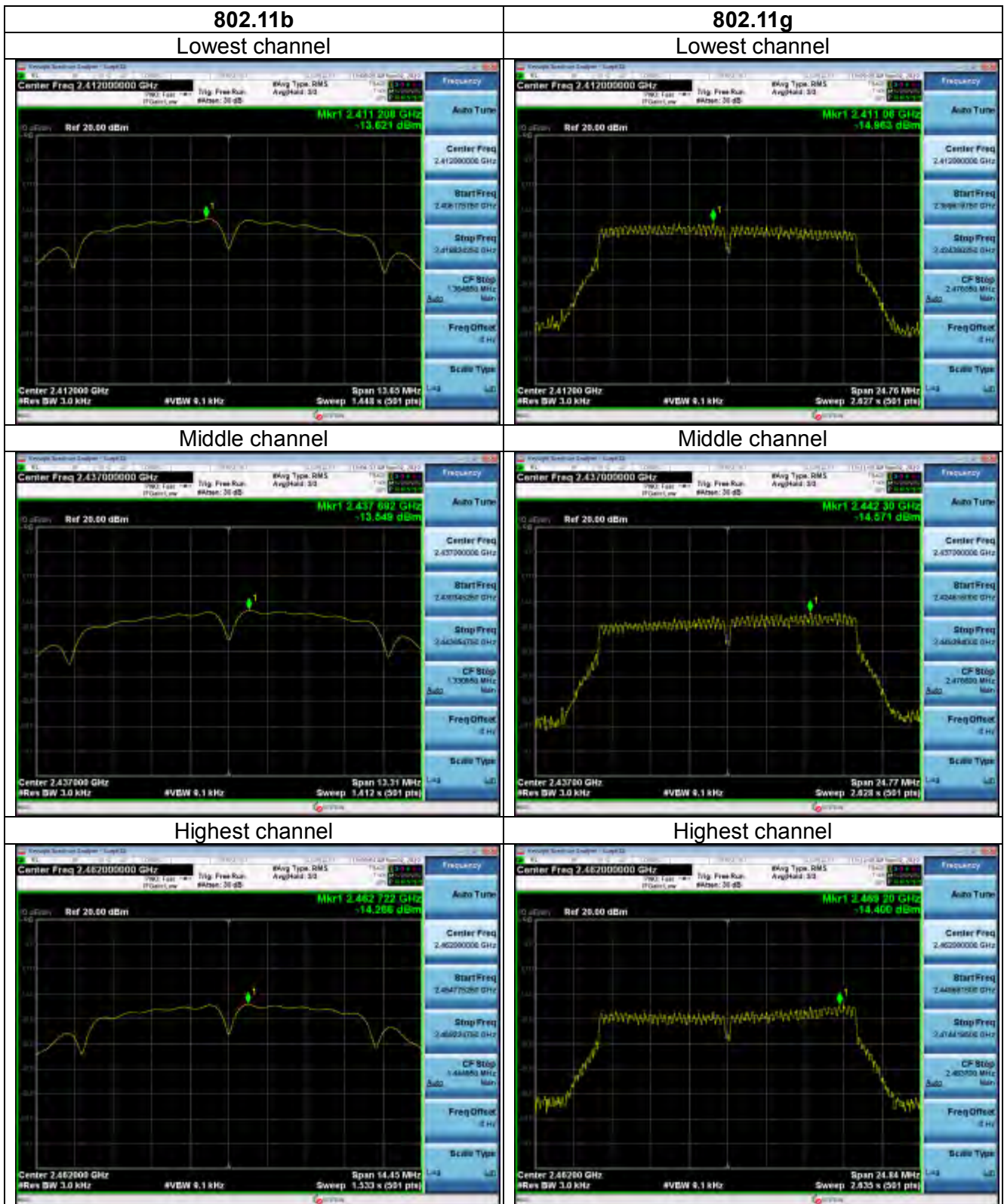
ANT1







ANT2

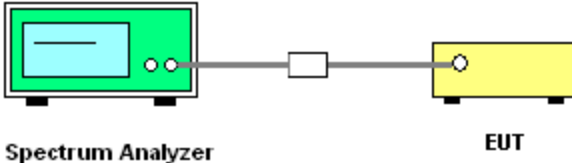






4.5. Conducted Band Edge and Spurious Emission Measurement

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none">1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v05.2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.3. Set to the maximum power setting and enable the EUT transmit continuously.4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).5. Measure and record the results in the test report.6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS

**Test Instruments**

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2019
Signal generator	Agilent	N5183A	HKE-071	Dec. 27, 2019
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Dec. 27, 2019
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 27, 2019

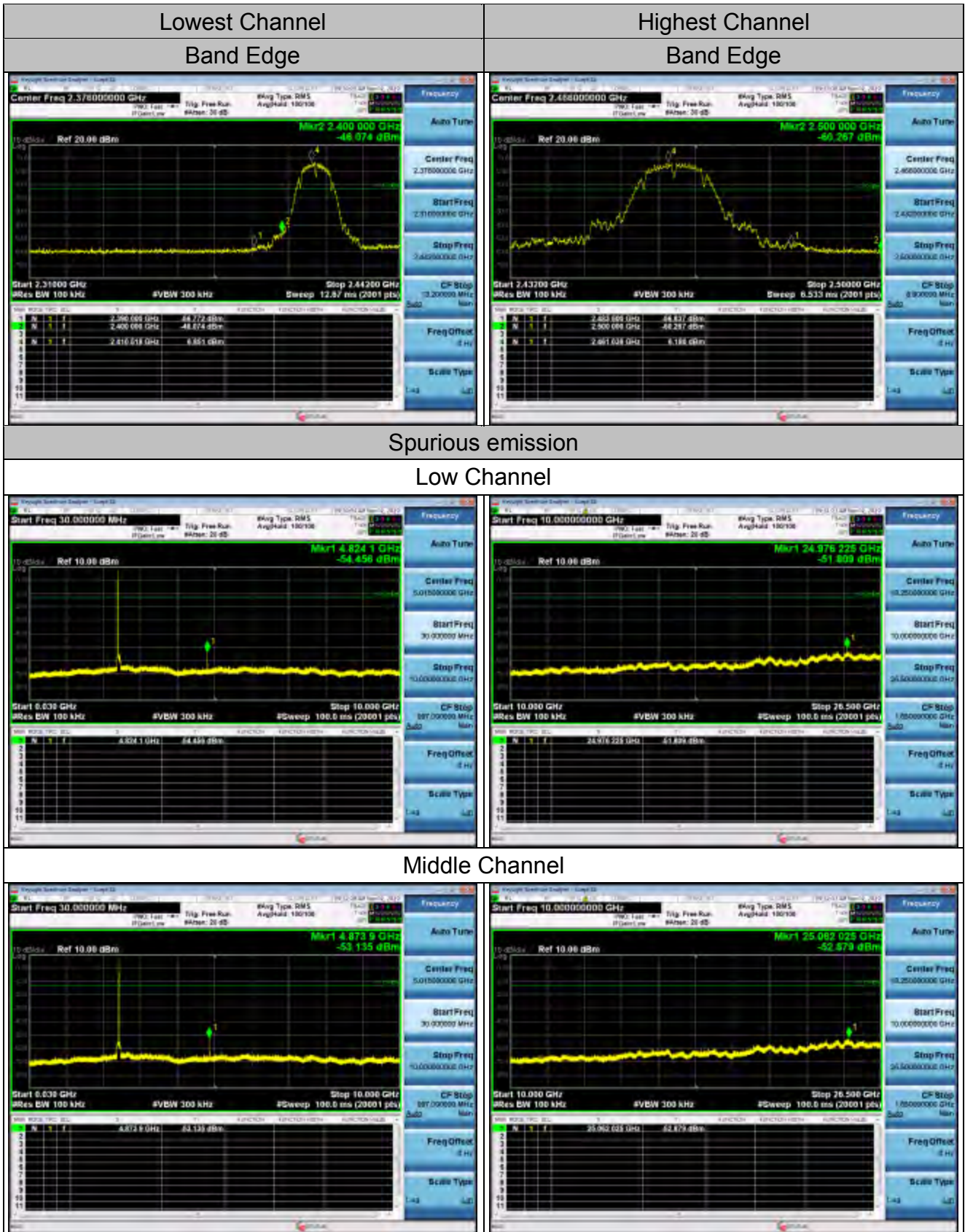
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Test Data



ANT1

802.11b Modulation





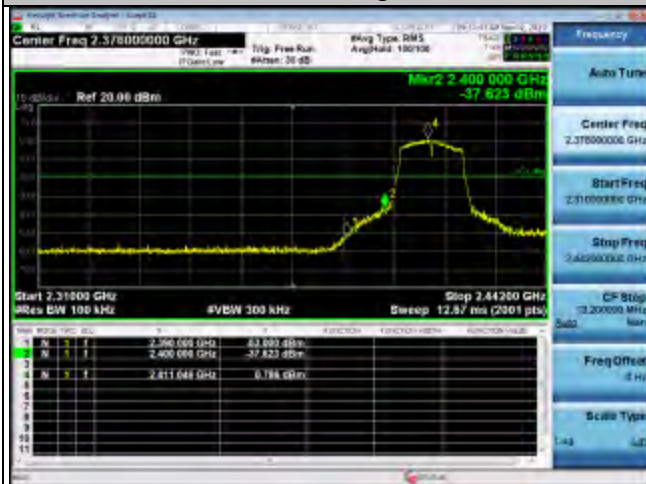
High Channel



802.11g Modulation

Lowest Channel

Band Edge



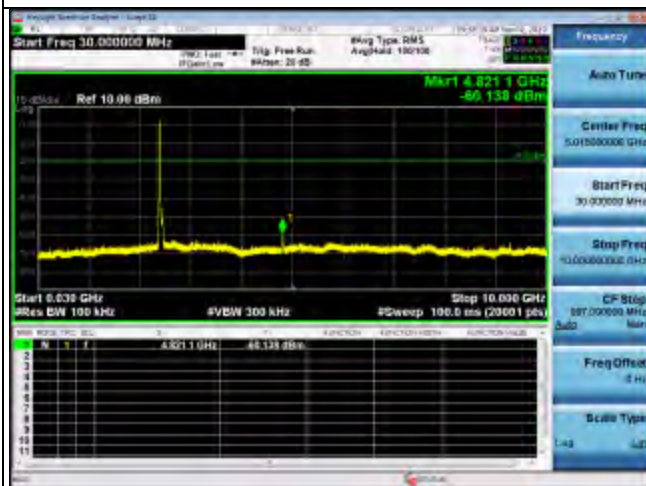
Highest Channel

Band Edge



Spurious emission

Low Channel

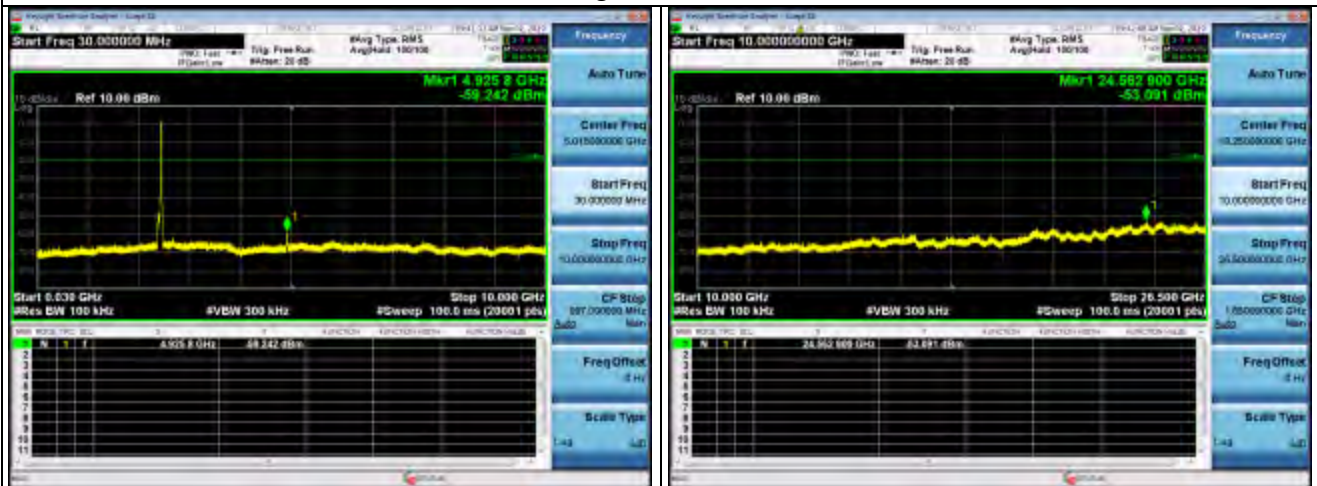




Middle Channel



High Channel



802.11n (HT20) Modulation

Lowest Channel
Band Edge

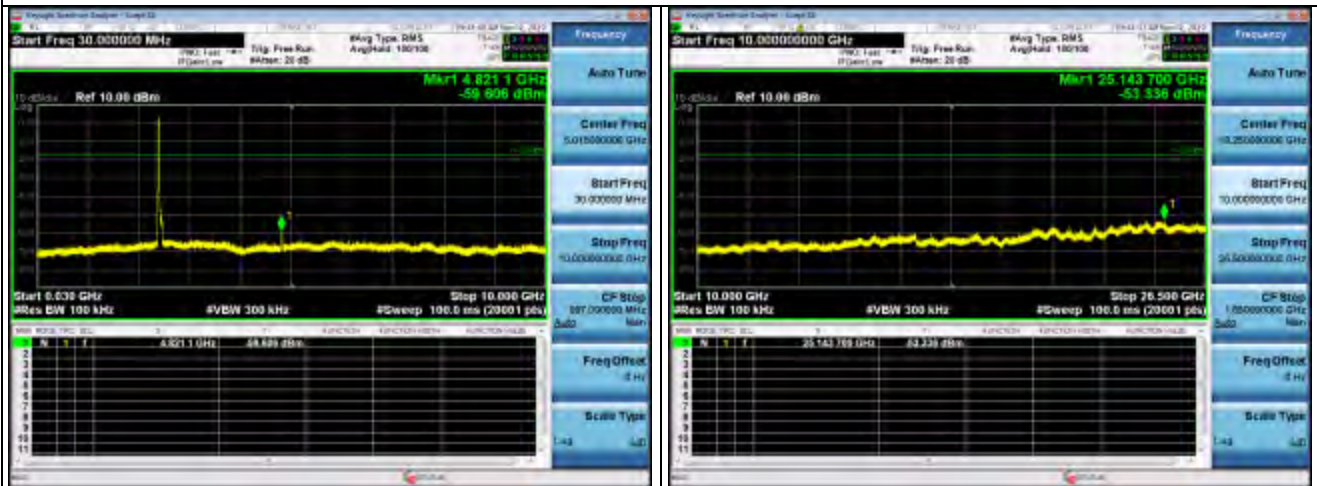
Highest Channel
Band Edge



Spurious emission



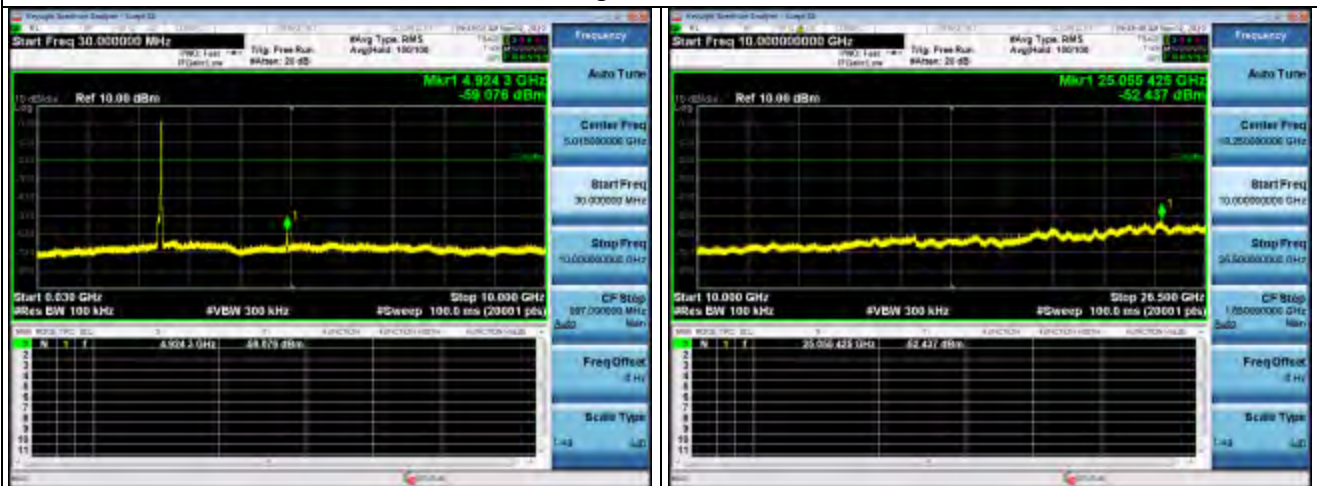
Low Channel



Middle Channel

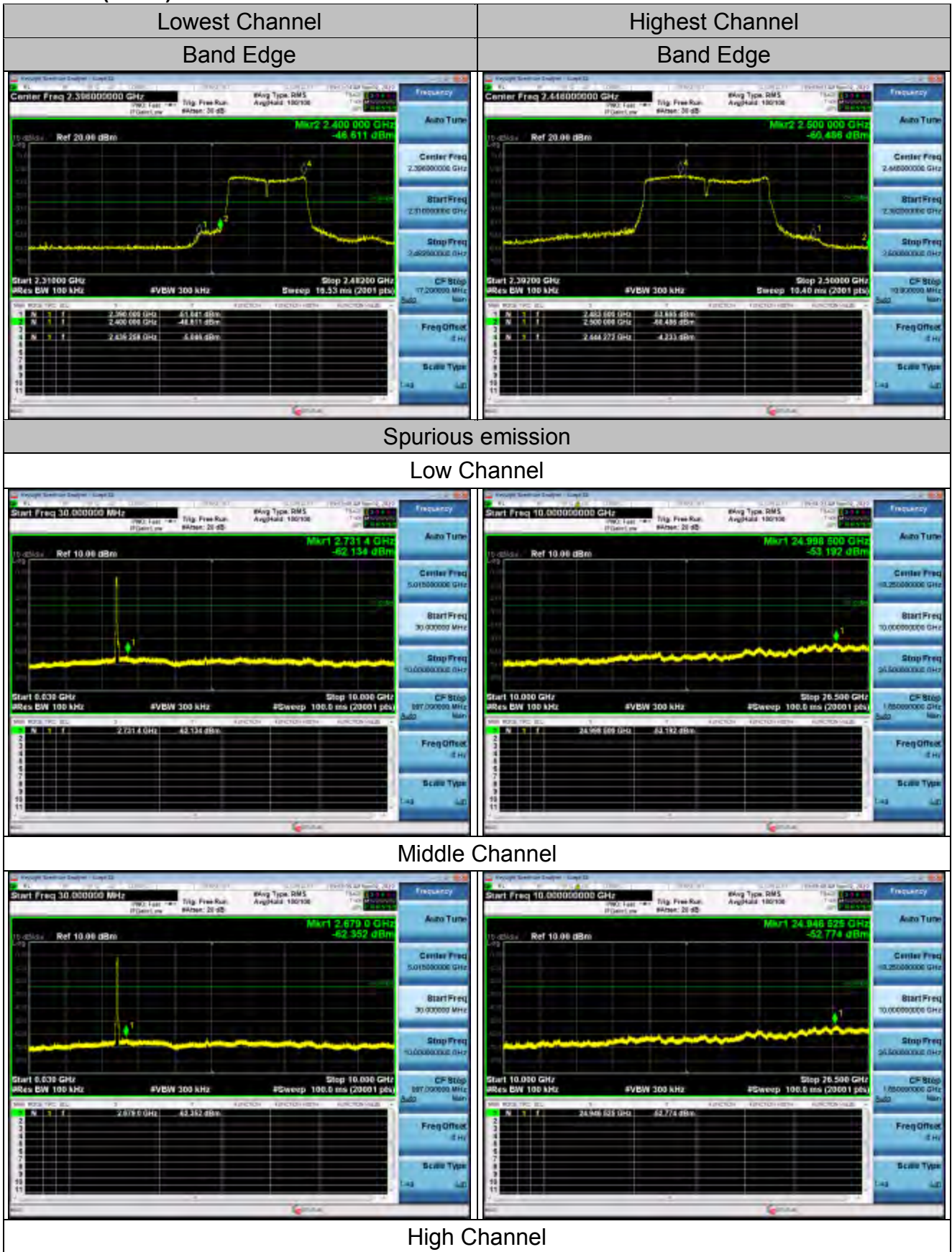


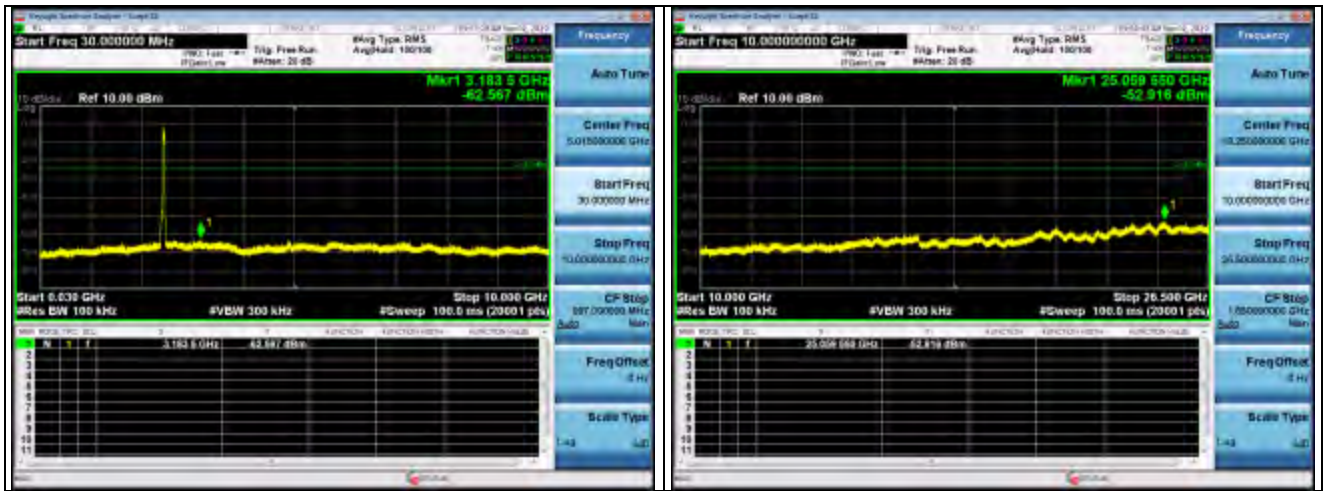
High Channel





802.11n (HT40) Modulation

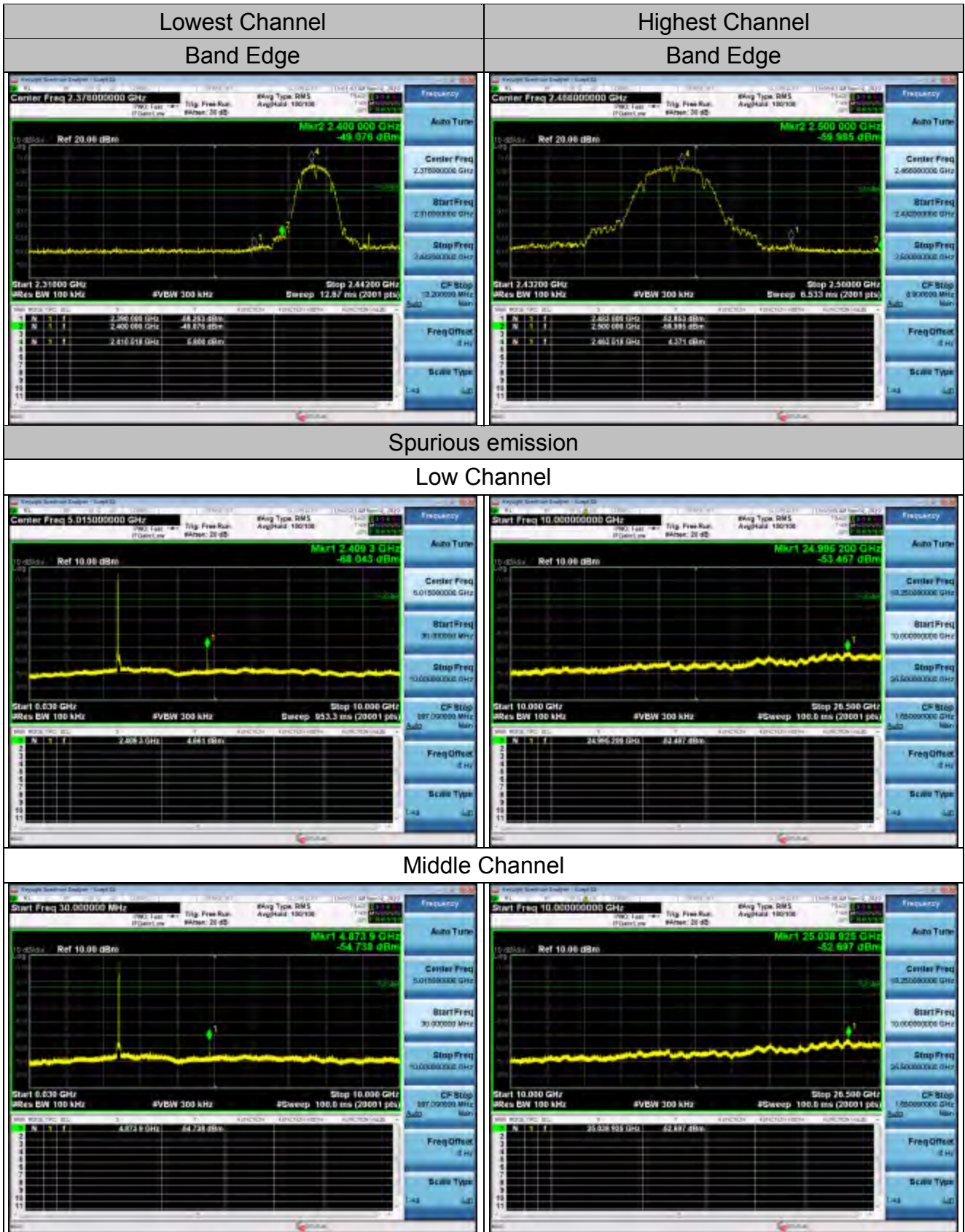






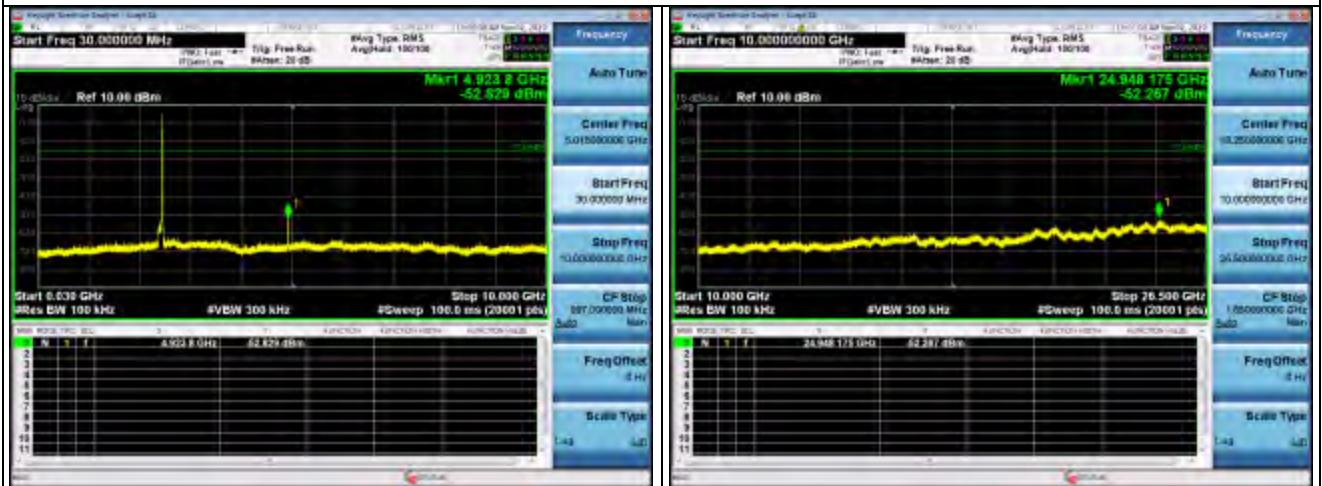
ANT2

802.11b Modulation





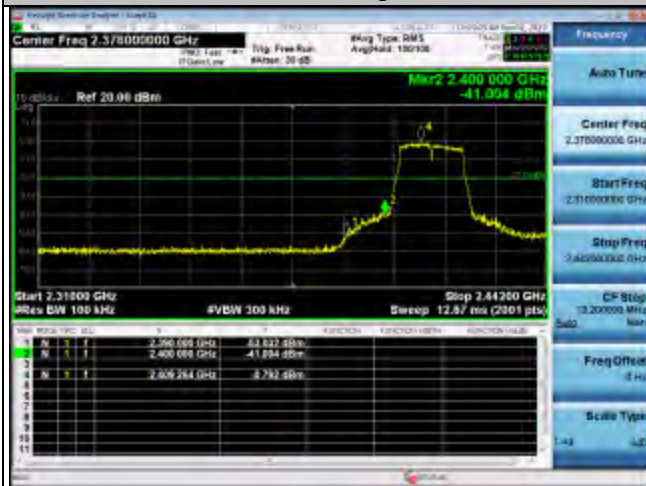
High Channel



802.11g Modulation

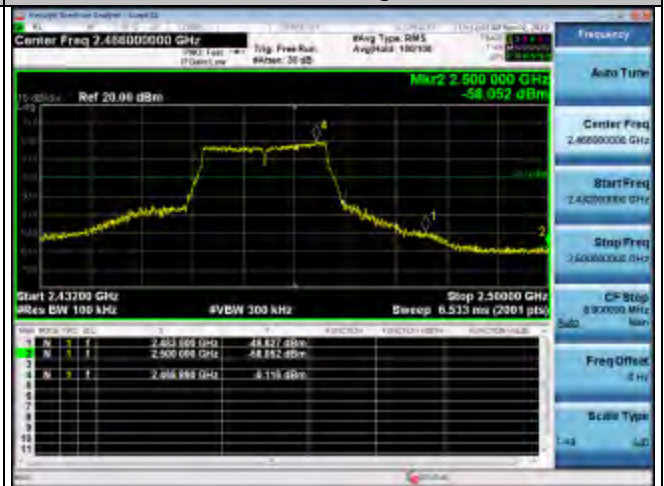
Lowest Channel

Band Edge



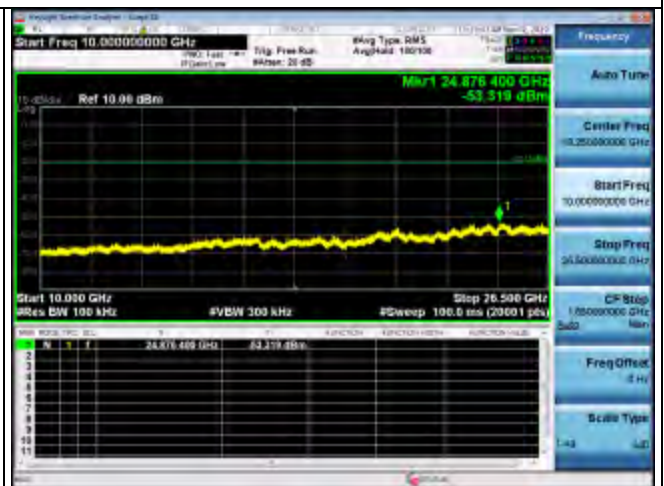
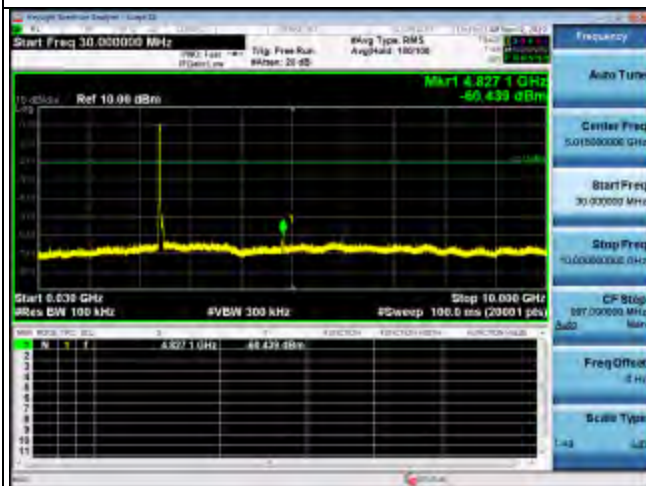
Highest Channel

Band Edge



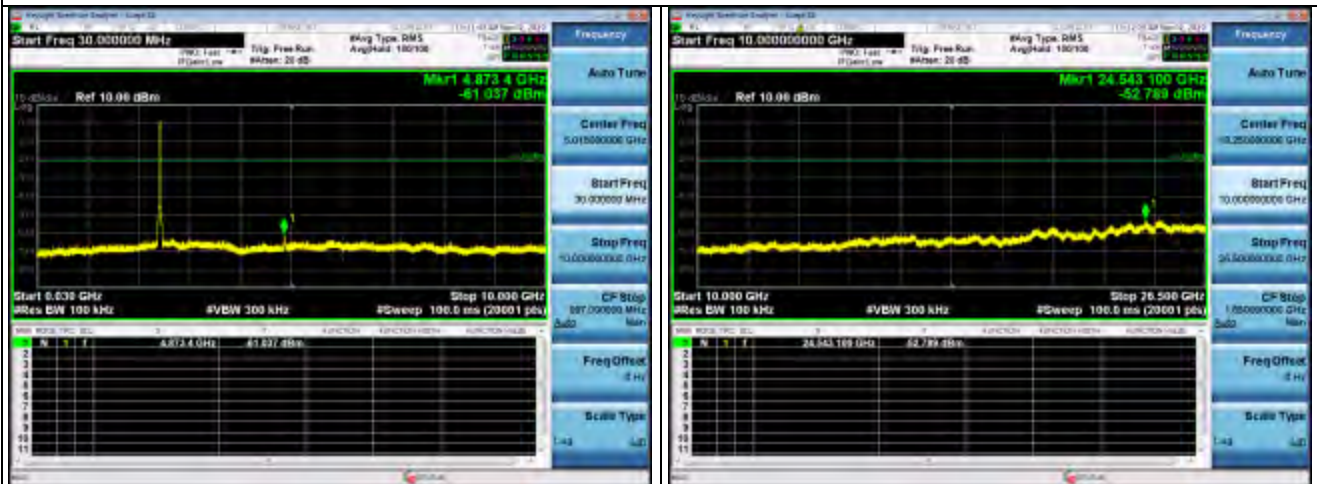
Spurious emission

Low Channel





Middle Channel

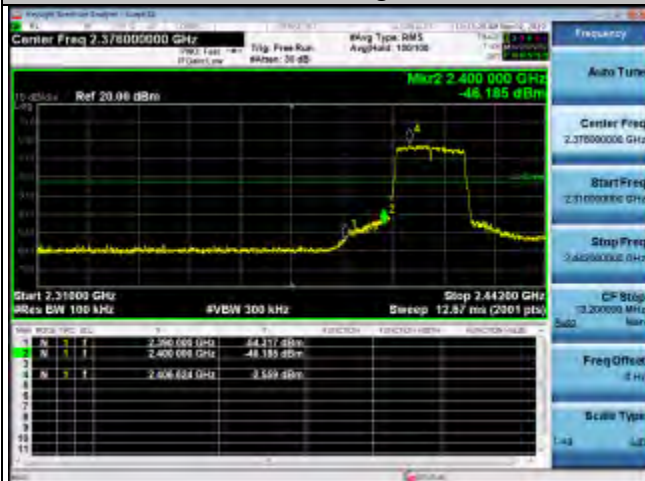


High Channel

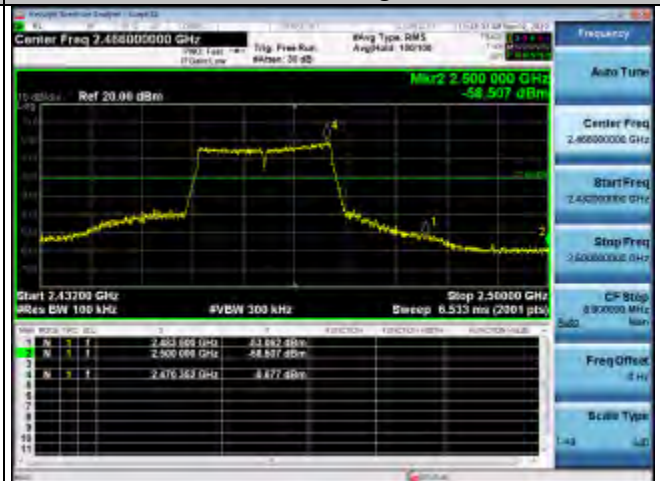


802.11n (HT20) Modulation

Lowest Channel
Band Edge



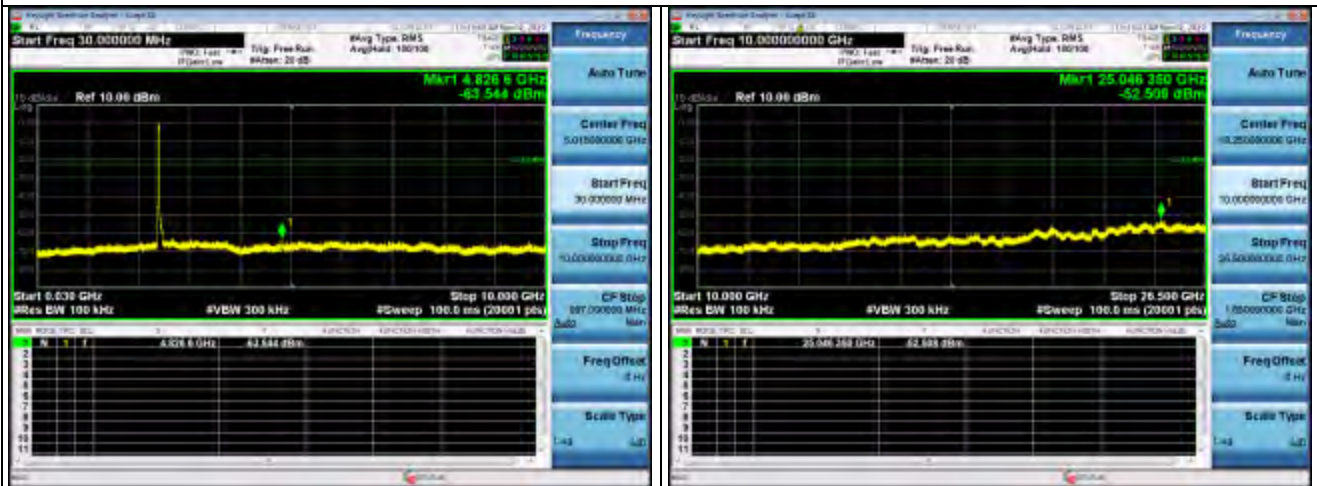
Highest Channel
Band Edge



Spurious emission



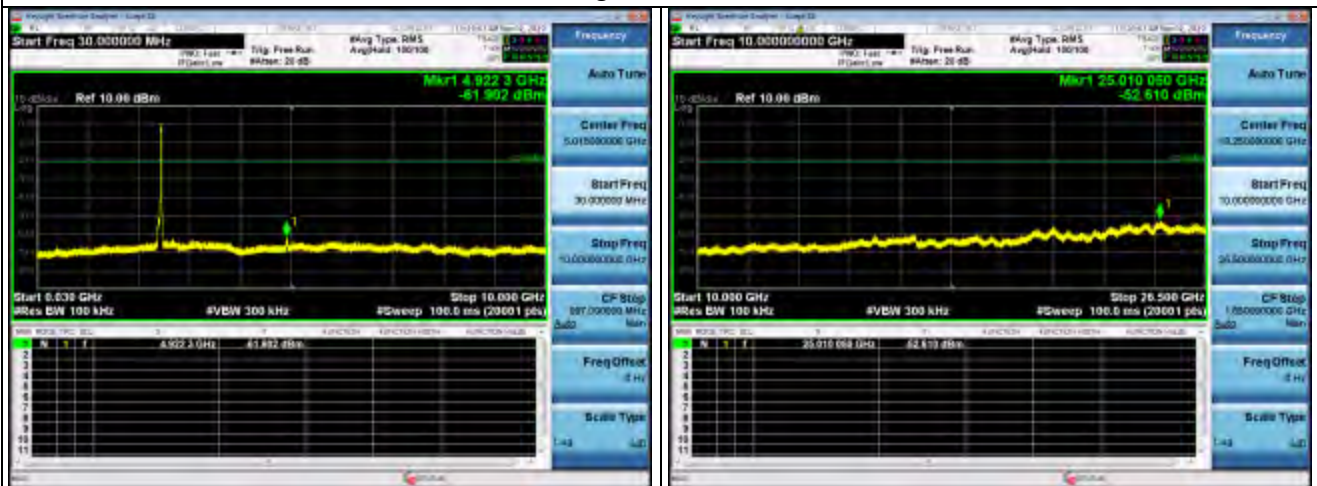
Low Channel



Middle Channel



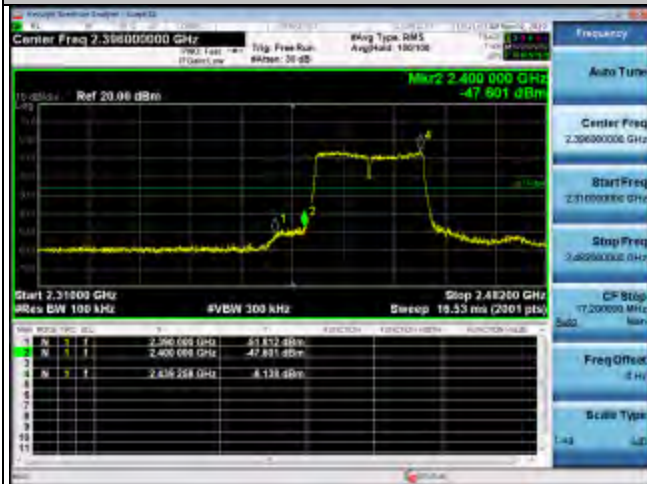
High Channel





802.11n (HT40) Modulation

Lowest Channel
Band Edge

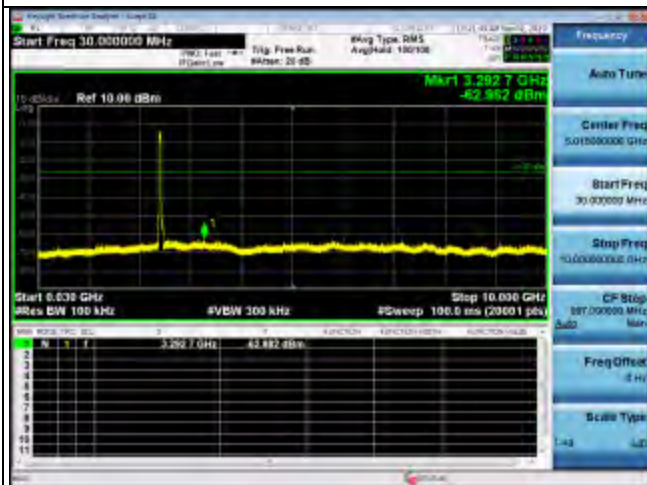


Highest Channel
Band Edge

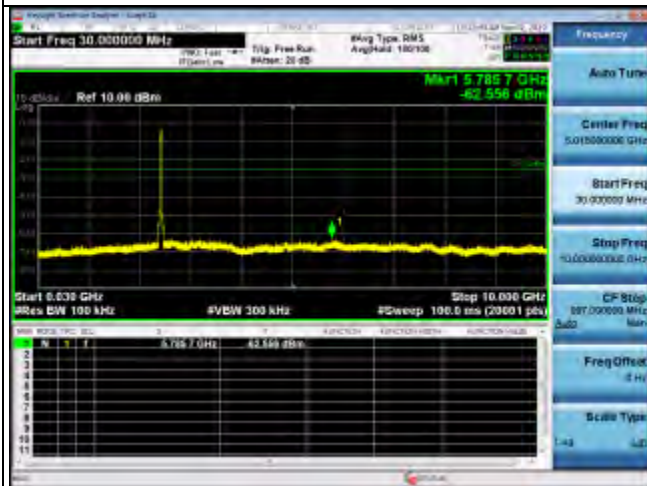


Spurious emission

Low Channel

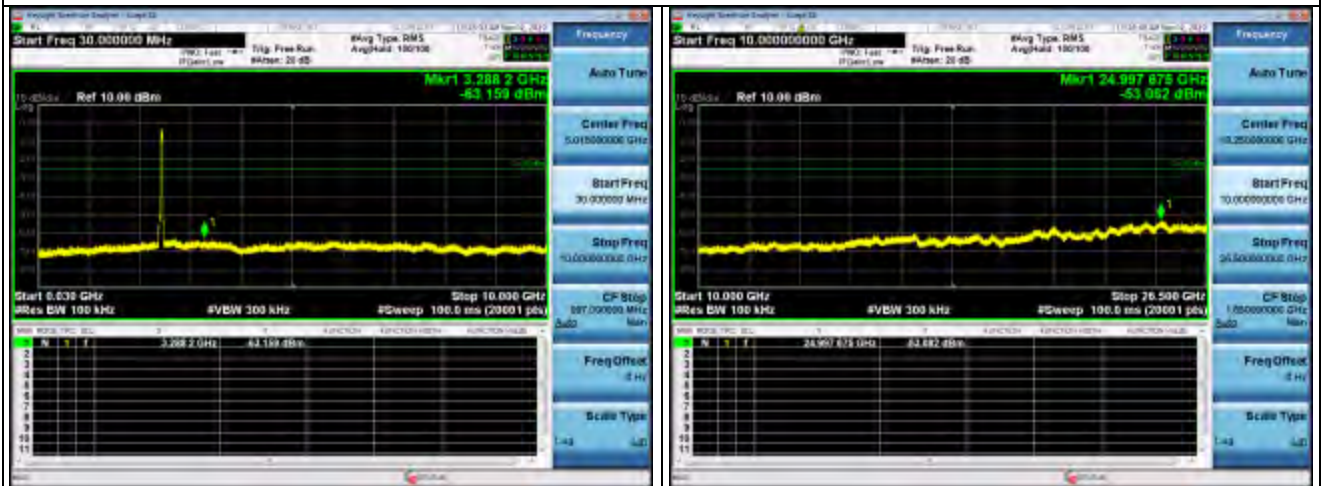


Middle Channel





High Channel

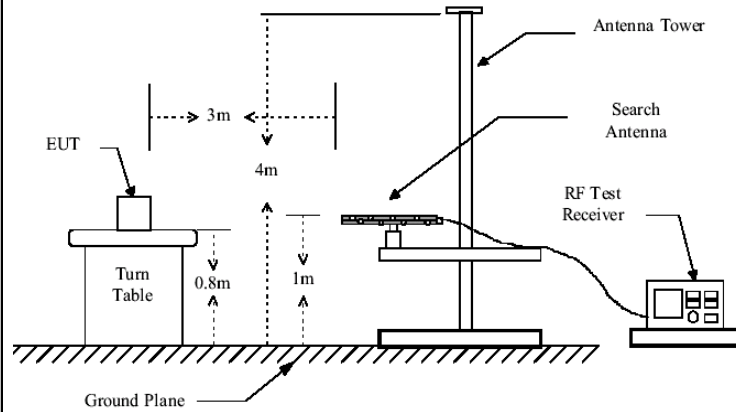




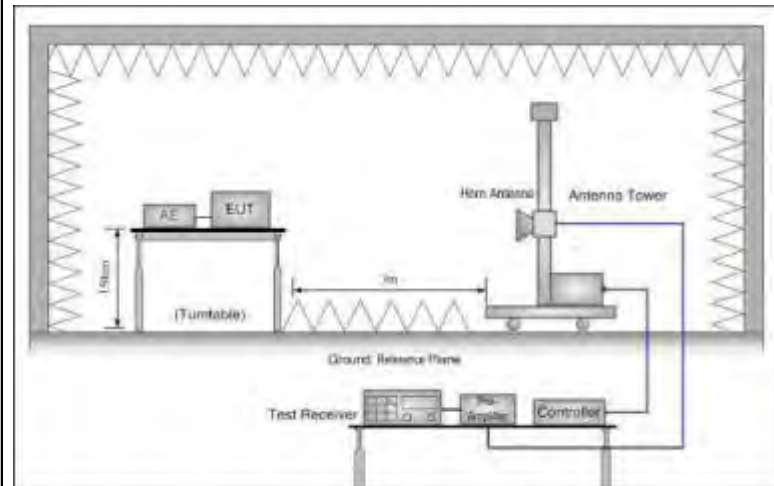
4.6. Radiated Spurious Emission Measurement

Test Specification

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10: 2013				
Frequency Range:	9 kHz to 25 GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Peak		1MHz	10Hz	Average Value	
Limit:	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)		
	0.009-0.490	2400/F(KHz)	300		
	0.490-1.705	24000/F(KHz)	30		
	1.705-30	30	30		
	30-88	100	3		
	88-216	150	3		
	216-960	200	3		
	Above 960	500	3		
	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector	
	Above 1GHz	500	3	Average	
5000		3	Peak		
Test setup:	For radiated emissions below 30MHz				
30MHz to 1GHz					



Above 1GHz



Test Procedure:

1. For the radiated emission test below 1GHz:
 The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
 For the radiated emission test above 1GHz:
 Place the measurement antenna on a turntable with 1.5 meter above ground, which is 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



	<p>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.</p> <ol style="list-style-type: none">3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.5. Use the following spectrum analyzer settings:<ol style="list-style-type: none">(1) Span shall wide enough to fully capture the emission being measured;(2) Set RBW=100 kHz for $f < 1$ GHz; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold;(3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. <p>For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.</p>
Test results:	PASS

**Test Instruments**

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Receiver	R&S	ESCI-7	HKE-010	Dec. 27, 2019
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2019
Preamplifier	EMCI	EMC051845S E	HKE-015	Dec. 27, 2019
Preamplifier	Agilent	83051A	HKE-016	Dec. 27, 2019
Loop antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 26, 2019
Broadband antenna	Schwarzbeck	VULB 9163	HKE-012	Dec. 26, 2019
Horn antenna	Schwarzbeck	9120D	HKE-013	Dec. 26, 2019
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
Position controller	Taiwan MF	MF7802	HKE-011	Dec. 27, 2019
Radiated test software	Tonscend	TS+ Rev 2.5.0.0	HKE-082	N/A
RF cable (9KHz-1GHz)	Times	381806-001	N/A	N/A
RF cable	Times	1-40G	HKE-034	Dec. 27, 2019
High Gain Antenna	Schwarzbeck	LB-180400KF	HKE-054	Dec. 27, 2018

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



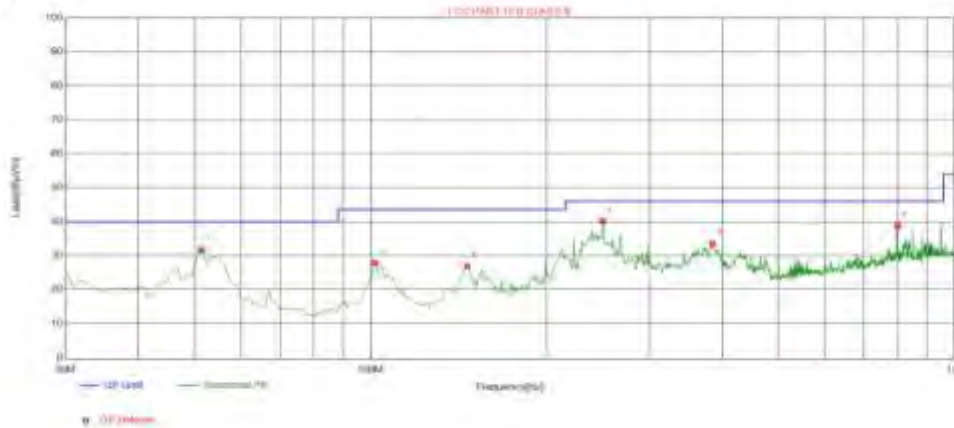
Test Data

All the test modes completed for test. only the worst result of AC 120V/60Hz(802.11b at 2412MHz) was reported as below:

Below 1GHz

Horizontal

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.3400	31.67	-13.85	40.00	8.33	100	48	Horizontal
2	101.780	27.78	-15.41	43.50	15.72	100	115	Horizontal
3	146.400	26.90	-19.03	43.50	16.60	100	150	Horizontal
4	250.190	40.23	-13.39	46.00	5.77	100	312	Horizontal
5	385.990	33.53	-10.72	46.00	12.47	100	118	Horizontal
6	800.180	38.71	-3.12	46.00	7.29	100	124	Horizontal

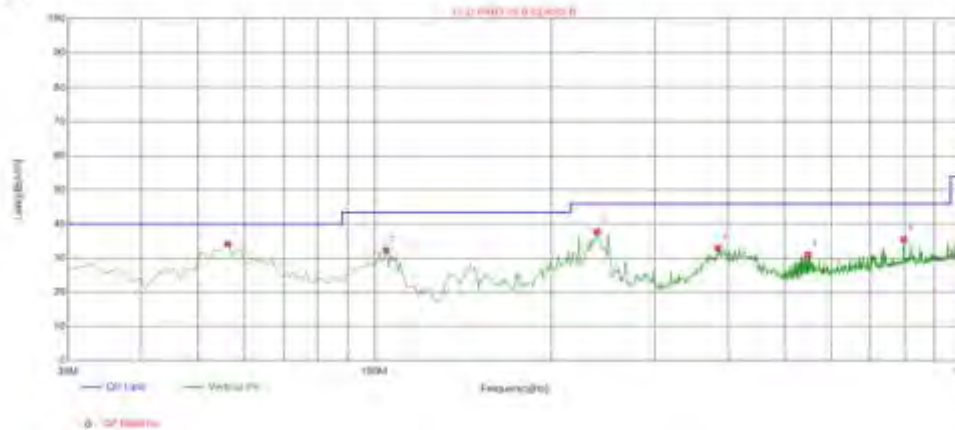
Final Data List

Remark: Margin = Limit – Level
 Correction factor = Cable lose + LISN insertion loss
 Level=Test receiver reading + correction factor



Vertical

Test Graph



Suspected List

Suspected List								
NO.	Freq [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.1900	34.22	-14.58	40.00	5.78	100	91	Vertical
2	104.690	32.36	-15.41	43.50	11.14	100	279	Vertical
3	239.520	37.82	-13.88	46.00	8.18	100	170	Vertical
4	385.020	32.95	-10.74	46.00	13.05	100	18	Vertical
5	547.980	31.03	-7.01	46.00	14.97	100	15	Vertical
6	799.210	35.55	-3.13	46.00	10.45	100	183	Vertical

Final Data List

Remark: Margin = Limit – Level
 Correction factor = Cable lose + LISN insertion loss
 Level=Test receiver reading + correction factor

Harmonics and Spurious Emissions

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
--	--	--
--	--	--
--	--	--
--	--	--

- Note:** 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor
 2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement



For 1GHz to 25GHz

For ANT1:

LOW CH1 (802.11b Mode)/2412MHz

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.00	56.10	-3.64	52.46	74	-21.54	Peak
4824.00	47.42	-3.64	43.78	54	-10.22	AVG
7236.00	55.22	-0.95	54.27	74	-19.73	Peak
7236.00	44.81	-0.95	43.86	54	-10.14	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.00	56.62	-3.64	52.98	74	-21.02	Peak
4824.00	44.83	-3.64	41.19	54	-12.81	AVG
7236.00	55.47	-0.95	54.52	74	-19.48	Peak
7236.00	44.19	-0.95	43.24	54	-10.76	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	56.59	-3.51	53.08	74	-20.92	Peak
4874.00	45.41	-3.51	41.90	54	-12.10	AVG
7311.00	56.53	-0.82	55.71	74	-18.29	Peak
7311.00	45.92	-0.82	45.10	54	-8.90	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	56.90	-3.51	53.39	74	-20.61	Peak
4874.00	47.84	-3.51	44.33	54	-9.67	AVG
7311.00	56.07	-0.82	55.25	74	-18.75	Peak
7311.00	46.65	-0.82	45.83	54	-8.17	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	56.25	-3.43	52.82	74	-21.18	Peak
4924.00	46.31	-3.43	42.88	54	-11.12	AVG
7386.00	55.40	-0.75	54.65	74	-19.35	Peak
7386.00	46.58	-0.75	45.83	54	-8.17	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	56.27	-3.43	52.84	74	-21.16	Peak
4924.00	44.06	-3.43	40.63	54	-13.37	AVG
7386.00	55.44	-0.75	54.69	74	-19.31	Peak
7386.00	46.62	-0.75	45.87	54	-8.13	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

(1) Measuring frequencies from 1 GHz to the 25 GHz.

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.

(3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.

(4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	55.27	-3.64	51.63	74	-22.37	Peak
4824.00	44.34	-3.64	40.70	54	-13.30	AVG
7236.00	55.15	-0.95	54.20	74	-19.80	Peak
7236.00	44.80	-0.95	43.85	54	-10.15	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	56.47	-3.64	52.83	74	-21.17	Peak
4824.00	47.33	-3.64	43.69	54	-10.31	AVG
7236.00	54.80	-0.95	53.85	74	-20.15	Peak
7236.00	46.97	-0.95	46.02	54	-7.98	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	56.31	-3.51	52.80	74	-21.20	Peak
4874.00	44.98	-3.51	41.47	54	-12.53	AVG
7311.00	54.92	-0.82	54.10	74	-19.90	Peak
7311.00	43.96	-0.82	43.14	54	-10.86	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	56.50	-3.51	52.99	74	-21.01	Peak
4874.00	45.29	-3.51	41.78	54	-12.22	AVG
7311.00	55.53	-0.82	54.71	74	-19.29	Peak
7311.00	43.23	-0.82	42.41	54	-11.59	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.00	55.34	-3.43	51.91	74	-22.09	Peak
4924.00	48.00	-3.43	44.57	54	-9.43	AVG
7386.00	55.00	-0.75	54.25	74	-19.75	Peak
7386.00	45.34	-0.75	44.59	54	-9.41	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.00	55.46	-3.43	52.03	74	-21.97	Peak
4924.00	47.05	-3.43	43.62	54	-10.38	AVG
7386.00	55.74	-0.75	54.99	74	-19.01	Peak
7386.00	43.46	-0.75	42.71	54	-11.29	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	55.93	-3.64	52.29	74	-21.71	Peak
4824.00	44.99	-3.64	41.35	54	-12.65	AVG
7236.00	55.13	-0.95	54.18	74	-19.82	Peak
7236.00	45.93	-0.95	44.98	54	-9.02	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	55.75	-3.64	52.11	74	-21.89	Peak
4824.00	46.17	-3.64	42.53	54	-11.47	AVG
7236.00	55.72	-0.95	54.77	74	-19.23	Peak
7236.00	43.57	-0.95	42.62	54	-11.38	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	55.44	-3.51	51.93	74	-22.07	Peak
4874.00	44.27	-3.51	40.76	54	-13.24	AVG
7311.00	54.97	-0.82	54.15	74	-19.85	Peak
7311.00	45.52	-0.82	44.70	54	-9.30	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	56.42	-3.51	52.91	74	-21.09	Peak
4874.00	44.91	-3.51	41.40	54	-12.60	AVG
7311.00	54.69	-0.82	53.87	74	-20.13	Peak
7311.00	46.73	-0.82	45.91	54	-8.09	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	56.97	-3.43	53.54	74	-20.46	Peak
4924.00	44.21	-3.43	40.78	54	-13.22	AVG
7386.00	55.72	-0.75	54.97	74	-19.03	Peak
7386.00	44.96	-0.75	44.21	54	-9.79	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	55.03	-3.43	51.60	74	-22.40	Peak
4924.00	46.49	-3.43	43.06	54	-10.94	AVG
7386.00	56.56	-0.75	55.81	74	-18.19	Peak
7386.00	44.85	-0.75	44.10	54	-9.90	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

(1) Measuring frequencies from 1 GHz to the 25 GHz.

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.

(3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.

(4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	56.09	-3.63	52.46	74	-21.54	Peak
4844.00	44.33	-3.63	40.70	54	-13.30	AVG
7266.00	54.97	-0.94	54.03	74	-19.97	Peak
7266.00	45.49	-0.94	44.55	54	-9.45	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	55.94	-3.63	52.31	74	-21.69	Peak
4844.00	46.51	-3.63	42.88	54	-11.12	AVG
7266.00	56.35	-0.94	55.41	74	-18.59	Peak
7266.00	45.93	-0.94	44.99	54	-9.01	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	55.82	-3.51	52.31	74	-21.69	Peak
4874.00	44.13	-3.51	40.62	54	-13.38	AVG
7311.00	55.06	-0.82	54.24	74	-19.76	Peak
7311.00	43.25	-0.82	42.43	54	-11.57	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	56.07	-3.51	52.56	74	-21.44	Peak
4874.00	45.36	-3.51	41.85	54	-12.15	AVG
7311.00	55.25	-0.82	54.43	74	-19.57	Peak
7311.00	46.34	-0.82	45.52	54	-8.48	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						



HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4904.00	56.49	-3.43	53.06	74	-20.94	Peak
4904.00	46.22	-3.43	42.79	54	-11.21	AVG
7356.00	56.24	-0.75	55.49	74	-18.51	Peak
7356.00	46.13	-0.75	45.38	54	-8.62	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4904.00	56.24	-3.43	52.81	74	-21.19	Peak
4904.00	46.76	-3.43	43.33	54	-10.67	AVG
7356.00	54.74	-0.75	53.99	74	-20.01	Peak
7356.00	44.23	-0.75	43.48	54	-10.52	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

**For ANT2:**

LOW CH1 (802.11b Mode)/2412MHz

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4824.00	56.44	-3.64	52.80	74	-21.20	Peak
4824.00	46.30	-3.64	42.66	54	-11.34	AVG
7236.00	54.68	-0.95	53.73	74	-20.27	Peak
7236.00	44.43	-0.95	43.48	54	-10.52	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4824.00	55.64	-3.64	52.00	74	-22.00	Peak
4824.00	45.05	-3.64	41.41	54	-12.59	AVG
7236.00	55.62	-0.95	54.67	74	-19.33	Peak
7236.00	46.50	-0.95	45.55	54	-8.45	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4874.00	56.00	-3.51	52.49	74	-21.51	Peak
4874.00	45.16	-3.51	41.65	54	-12.35	AVG
7311.00	56.27	-0.82	55.45	74	-18.55	Peak
7311.00	45.52	-0.82	44.70	54	-9.30	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4874.00	55.54	-3.51	52.03	74	-21.97	Peak
4874.00	44.11	-3.51	40.60	54	-13.40	AVG
7311.00	55.84	-0.82	55.02	74	-18.98	Peak
7311.00	44.90	-0.82	44.08	54	-9.92	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

HIGH CH11 (802.11b Mode)/2462

Horizontal:



Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.00	55.65	-3.43	52.22	74	-21.78	Peak
4924.00	44.83	-3.43	41.40	54	-12.60	AVG
7386.00	54.85	-0.75	54.10	74	-19.90	Peak
7386.00	45.93	-0.75	45.18	54	-8.82	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.00	55.38	-3.43	51.95	74	-22.05	Peak
4924.00	44.76	-3.43	41.33	54	-12.67	AVG
7386.00	56.42	-0.75	55.67	74	-18.33	Peak
7386.00	47.01	-0.75	46.26	54	-7.74	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	56.49	-3.64	52.85	74	-21.15	Peak
4824.00	47.15	-3.64	43.51	54	-10.49	AVG
7236.00	55.49	-0.95	54.54	74	-19.46	Peak
7236.00	45.70	-0.95	44.75	54	-9.25	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	55.29	-3.64	51.65	74	-22.35	Peak
4824.00	47.77	-3.64	44.13	54	-9.87	AVG
7236.00	55.91	-0.95	54.96	74	-19.04	Peak
7236.00	45.55	-0.95	44.60	54	-9.40	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	56.12	-3.51	52.61	74	-21.39	Peak
4874.00	47.45	-3.51	43.94	54	-10.06	AVG
7311.00	55.58	-0.82	54.76	74	-19.24	Peak
7311.00	44.33	-0.82	43.51	54	-10.49	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	55.10	-3.51	51.59	74	-22.41	Peak
4874.00	44.23	-3.51	40.72	54	-13.28	AVG
7311.00	55.49	-0.82	54.67	74	-19.33	Peak
7311.00	46.58	-0.82	45.76	54	-8.24	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	56.57	-3.43	53.14	74	-20.86	Peak
4924.00	45.03	-3.43	41.60	54	-12.40	AVG
7386.00	54.81	-0.75	54.06	74	-19.94	Peak
7386.00	45.65	-0.75	44.90	54	-9.10	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	55.92	-3.43	52.49	74	-21.51	Peak
4924.00	47.22	-3.43	43.79	54	-10.21	AVG
7386.00	55.04	-0.75	54.29	74	-19.71	Peak
7386.00	45.58	-0.75	44.83	54	-9.17	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	56.05	-3.64	52.41	74	-21.59	Peak
4824.00	44.73	-3.64	41.09	54	-12.91	AVG
7236.00	56.37	-0.95	55.42	74	-18.58	Peak
7236.00	45.50	-0.95	44.55	54	-9.45	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.00	56.44	-3.64	52.80	74	-21.20	Peak
4824.00	45.24	-3.64	41.60	54	-12.40	AVG
7236.00	55.62	-0.95	54.67	74	-19.33	Peak
7236.00	44.35	-0.95	43.40	54	-10.60	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	55.01	-3.51	51.50	74	-22.50	Peak
4874.00	46.28	-3.51	42.77	54	-11.23	AVG
7311.00	56.55	-0.82	55.73	74	-18.27	Peak
7311.00	43.85	-0.82	43.03	54	-10.97	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.00	55.39	-3.51	51.88	74	-22.12	Peak
4874.00	47.07	-3.51	43.56	54	-10.44	AVG
7311.00	55.51	-0.82	54.69	74	-19.31	Peak
7311.00	46.64	-0.82	45.82	54	-8.18	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	55.64	-3.43	52.21	74	-21.79	Peak
4924.00	45.33	-3.43	41.90	54	-12.10	AVG
7386.00	56.55	-0.75	55.80	74	-18.20	Peak
7386.00	45.60	-0.75	44.85	54	-9.15	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	56.61	-3.43	53.18	74	-20.82	Peak
4924.00	47.09	-3.43	43.66	54	-10.34	AVG
7386.00	55.05	-0.75	54.30	74	-19.70	Peak
7386.00	43.98	-0.75	43.23	54	-10.77	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

(1) Measuring frequencies from 1 GHz to the 25 GHz.

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.

(3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.

(4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	56.74	-3.63	53.11	74	-20.89	Peak
4844.00	44.69	-3.63	41.06	54	-12.94	AVG
7266.00	56.21	-0.94	55.27	74	-18.73	Peak
7266.00	44.90	-0.94	43.96	54	-10.04	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	56.41	-3.63	52.78	74	-21.22	Peak
4844.00	45.91	-3.63	42.28	54	-11.72	AVG
7266.00	55.05	-0.94	54.11	74	-19.89	Peak
7266.00	43.56	-0.94	42.62	54	-11.38	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	55.08	-3.51	51.57	74	-22.43	Peak
4874.00	44.74	-3.51	41.23	54	-12.77	AVG
7311.00	56.11	-0.82	55.29	74	-18.71	Peak
7311.00	45.75	-0.82	44.93	54	-9.07	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	55.92	-3.51	52.41	74	-21.59	Peak
4874.00	44.94	-3.51	41.43	54	-12.57	AVG
7311.00	55.90	-0.82	55.08	74	-18.92	Peak
7311.00	43.56	-0.82	42.74	54	-11.26	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						



HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4904.00	56.88	-3.43	53.45	74	-20.55	Peak
4904.00	44.82	-3.43	41.39	54	-12.61	AVG
7356.00	55.94	-0.75	55.19	74	-18.81	Peak
7356.00	43.83	-0.75	43.08	54	-10.92	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4904.00	56.82	-3.43	53.39	74	-20.61	Peak
4904.00	44.57	-3.43	41.14	54	-12.86	AVG
7356.00	55.56	-0.75	54.81	74	-19.19	Peak
7356.00	44.38	-0.75	43.63	54	-10.37	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



Combine with ANT1 and ANT2:

LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4824.00	59.90	-3.64	56.26	74	-17.74	Peak
4824.00	48.49	-3.64	44.85	54	-9.15	AVG
7236.00	60.90	-0.95	59.95	74	-14.05	Peak
7236.00	45.63	-0.95	44.68	54	-9.32	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4824.00	62.55	-3.64	58.91	74	-15.09	Peak
4824.00	46.69	-3.64	43.05	54	-10.95	AVG
7236.00	60.40	-0.95	59.45	74	-14.55	Peak
7236.00	45.04	-0.95	44.09	54	-9.91	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4874.00	60.15	-3.51	56.64	74	-17.36	Peak
4874.00	47.50	-3.51	43.99	54	-10.01	AVG
7311.00	61.46	-0.82	60.64	74	-13.36	Peak
7311.00	46.24	-0.82	45.42	54	-8.58	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4874.00	61.11	-3.51	57.60	74	-16.40	Peak
4874.00	47.85	-3.51	44.34	54	-9.66	AVG
7311.00	60.64	-0.82	59.82	74	-14.18	Peak
7311.00	46.51	-0.82	45.69	54	-8.31	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	60.78	-3.43	57.35	74	-16.65	Peak
4924.00	47.49	-3.43	44.06	54	-9.94	AVG
7386.00	58.96	-0.75	58.21	74	-15.79	Peak
7386.00	46.19	-0.75	45.44	54	-8.56	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
4924.00	62.55	-3.43	59.12	74	-14.88	Peak
4924.00	46.87	-3.43	43.44	54	-10.56	AVG
7386.00	60.09	-0.75	59.34	74	-14.66	Peak
7386.00	46.96	-0.75	46.21	54	-7.79	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.



Combine with ANT1 and ANT2:

LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	60.36	-3.63	56.73	74	-17.27	Peak
4844.00	47.76	-3.63	44.13	54	-9.87	AVG
7266.00	61.11	-0.94	60.17	74	-13.83	Peak
7266.00	46.60	-0.94	45.66	54	-8.34	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.00	60.59	-3.63	56.96	74	-17.04	Peak
4844.00	47.82	-3.63	44.19	54	-9.81	AVG
7266.00	60.62	-0.94	59.68	74	-14.32	Peak
7266.00	45.34	-0.94	44.40	54	-9.60	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	61.65	-3.51	58.14	74	-15.86	Peak
4874.00	47.34	-3.51	43.83	54	-10.17	AVG
7311.00	60.07	-0.82	59.25	74	-14.75	Peak
7311.00	46.57	-0.82	45.75	54	-8.25	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.00	62.24	-3.51	58.73	74	-15.27	Peak
4874.00	47.64	-3.51	44.13	54	-9.87	AVG
7311.00	61.56	-0.82	60.74	74	-13.26	Peak
7311.00	45.63	-0.82	44.81	54	-9.19	AVG
Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier						



HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.00	62.56	-3.43	59.13	74	-14.87	Peak
4904.00	48.20	-3.43	44.77	54	-9.23	AVG
7356.00	60.34	-0.75	59.59	74	-14.41	Peak
7356.00	45.86	-0.75	45.11	54	-8.89	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.00	61.82	-3.43	58.39	74	-15.61	Peak
4904.00	46.96	-3.43	43.53	54	-10.47	AVG
7356.00	61.13	-0.75	60.38	74	-13.62	Peak
7356.00	46.24	-0.75	45.49	54	-8.51	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

**Test Result of Radiated Spurious at Band edges****For ANT1:**

Operation Mode:
802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	56.39	-5.84	50.55	74	-23.45	Peak
2390	48.76	-5.84	42.92	54	-11.08	AVG
2400	56.21	-5.84	50.37	74	-23.63	Peak
2400	47.32	-5.84	41.48	54	-12.52	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.81	-5.84	48.97	74	-25.03	Peak
2390	49.92	-5.84	44.08	54	-9.92	AVG
2400	57.06	-5.84	51.22	74	-22.78	Peak
2400	47.33	-5.84	41.49	54	-12.51	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	53.97	-6.04	47.93	74	-26.07	Peak
2483.5	48.67	-6.04	42.63	54	-11.37	AVG
2500	56.41	-6.06	50.35	74	-23.65	Peak
2500	48.16	-6.06	42.10	54	-11.90	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.28	-6.04	49.24	74	-24.76	Peak
2483.5	49.01	-6.04	42.97	54	-11.03	AVG
2500	56.66	-6.06	50.60	74	-23.40	Peak
2500	47.77	-6.06	41.71	54	-12.29	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.14	-5.84	48.30	74	-25.70	Peak
2390	50.02	-5.84	44.18	54	-9.82	AVG
2400	57.47	-5.84	51.63	74	-22.37	Peak
2400	48.38	-5.84	42.54	54	-11.46	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.94	-5.84	49.10	74	-24.90	Peak
2390	49.47	-5.84	43.63	54	-10.37	AVG
2400	56.15	-5.84	50.31	74	-23.69	Peak
2400	47.96	-5.84	42.12	54	-11.88	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	56.09	-6.04	50.05	74	-23.95	Peak
2483.5	48.76	-6.04	42.72	54	-11.28	AVG
2500	57.65	-6.06	51.59	74	-22.41	Peak
2500	47.55	-6.06	41.49	54	-12.51	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.99	-6.04	49.95	74	-24.05	Peak
2483.5	49.51	-6.04	43.47	54	-10.53	AVG
2500	56.76	-6.06	50.70	74	-23.30	Peak
2500	47.33	-6.06	41.27	54	-12.73	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	57.52	-5.84	51.68	74	-22.32	Peak
2390	49.35	-5.84	43.51	54	-10.49	AVG
2400	57.76	-5.84	51.92	74	-22.08	Peak
2400	47.82	-5.84	41.98	54	-12.02	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	56.80	-5.84	50.96	74	-23.04	Peak
2390	50.54	-5.84	44.70	54	-9.30	AVG
2400	56.63	-5.84	50.79	74	-23.21	Peak
2400	47.50	-5.84	41.66	54	-12.34	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	56.88	-6.04	50.84	74	-23.16	Peak
2483.5	49.49	-6.04	43.45	54	-10.55	AVG
2500	57.76	-6.06	51.70	74	-22.30	Peak
2500	47.51	-6.06	41.45	54	-12.55	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	54.17	-6.04	48.13	74	-25.87	Peak
2483.5	50.26	-6.04	44.22	54	-9.78	AVG
2500	56.50	-6.06	50.44	74	-23.56	Peak
2500	48.00	-6.06	41.94	54	-12.06	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11n/H40 Mode TX CH Low (2422MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.71	-5.84	48.87	74	-25.13	Peak
2390	48.95	-5.84	43.11	54	-10.89	AVG
2400	56.76	-5.84	50.92	74	-23.08	Peak
2400	48.09	-5.84	42.25	54	-11.75	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	56.23	-5.84	50.39	74	-23.61	Peak
2390	49.13	-5.84	43.29	54	-10.71	AVG
2400	56.78	-5.84	50.94	74	-23.06	Peak
2400	48.38	-5.84	42.54	54	-11.46	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2452MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	54.29	-6.04	48.25	74	-25.75	Peak
2483.5	48.57	-6.04	42.53	54	-11.47	AVG
2500	56.01	-6.06	49.95	74	-24.05	Peak
2500	48.31	-6.06	42.25	54	-11.75	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.27	-6.04	49.23	74	-24.77	Peak
2483.5	49.37	-6.04	43.33	54	-10.67	AVG
2500	57.24	-6.06	51.18	74	-22.82	Peak
2500	47.54	-6.06	41.48	54	-12.52	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

**For ANT2:**

Operation Mode:
802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2390	56.21	-5.84	50.37	74	-23.63	Peak
2390	49.14	-5.84	43.30	54	-10.70	AVG
2400	57.60	-5.84	51.76	74	-22.24	Peak
2400	48.58	-5.84	42.74	54	-11.26	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2390	54.70	-5.84	48.86	74	-25.14	Peak
2390	48.86	-5.84	43.02	54	-10.98	AVG
2400	57.81	-5.84	51.97	74	-22.03	Peak
2400	48.47	-5.84	42.63	54	-11.37	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2483.5	54.69	-6.04	48.65	74	-25.35	Peak
2483.5	50.54	-6.04	44.50	54	-9.50	AVG
2500	57.18	-6.06	51.12	74	-22.88	Peak
2500	47.57	-6.06	41.51	54	-12.49	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2483.5	55.16	-6.04	49.12	74	-24.88	Peak
2483.5	48.99	-6.04	42.95	54	-11.05	AVG
2500	56.12	-6.06	50.06	74	-23.94	Peak
2500	48.66	-6.06	42.60	54	-11.40	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	57.80	-5.84	51.96	74	-22.04	Peak
2390	50.59	-5.84	44.75	54	-9.25	AVG
2400	56.30	-5.84	50.46	74	-23.54	Peak
2400	47.68	-5.84	41.84	54	-12.16	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	55.44	-5.84	49.60	74	-24.40	Peak
2390	48.84	-5.84	43.00	54	-11.00	AVG
2400	57.94	-5.84	52.10	74	-21.90	Peak
2400	47.59	-5.84	41.75	54	-12.25	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	54.05	-6.04	48.01	74	-25.99	Peak
2483.5	50.09	-6.04	44.05	54	-9.95	AVG
2500	57.87	-6.06	51.81	74	-22.19	Peak
2500	47.02	-6.06	40.96	54	-13.04	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.72	-6.04	49.68	74	-24.32	Peak
2483.5	48.70	-6.04	42.66	54	-11.34	AVG
2500	57.65	-6.06	51.59	74	-22.41	Peak
2500	48.39	-6.06	42.33	54	-11.67	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.07	-5.84	48.23	74	-25.77	Peak
2390	49.93	-5.84	44.09	54	-9.91	AVG
2400	57.49	-5.84	51.65	74	-22.35	Peak
2400	47.15	-5.84	41.31	54	-12.69	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	57.59	-5.84	51.75	74	-22.25	Peak
2390	49.95	-5.84	44.11	54	-9.89	AVG
2400	57.76	-5.84	51.92	74	-22.08	Peak
2400	48.02	-5.84	42.18	54	-11.82	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.14	-6.04	49.10	74	-24.90	Peak
2483.5	50.62	-6.04	44.58	54	-9.42	AVG
2500	56.25	-6.06	50.19	74	-23.81	Peak
2500	47.54	-6.06	41.48	54	-12.52	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	56.85	-6.04	50.81	74	-23.19	Peak
2483.5	50.91	-6.04	44.87	54	-9.13	AVG
2500	56.24	-6.06	50.18	74	-23.82	Peak
2500	47.07	-6.06	41.01	54	-12.99	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: 802.11n/H40 Mode TX CH Low (2422MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	55.53	-5.84	49.69	74	-24.31	Peak
2390	48.20	-5.84	42.36	54	-11.64	AVG
2400	57.24	-5.84	51.40	74	-22.60	Peak
2400	48.34	-5.84	42.50	54	-11.50	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	55.78	-5.84	49.94	74	-24.06	Peak
2390	49.59	-5.84	43.75	54	-10.25	AVG
2400	57.60	-5.84	51.76	74	-22.24	Peak
2400	47.23	-5.84	41.39	54	-12.61	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2452MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	54.00	-6.04	47.96	74	-26.04	Peak
2483.5	49.46	-6.04	43.42	54	-10.58	AVG
2500	56.49	-6.06	50.43	74	-23.57	Peak
2500	48.63	-6.06	42.57	54	-11.43	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	55.08	-6.04	49.04	74	-24.96	Peak
2483.5	50.70	-6.04	44.66	54	-9.34	AVG
2500	57.64	-6.06	51.58	74	-22.42	Peak
2500	47.94	-6.06	41.88	54	-12.12	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Combine with ANT1 and ANT2:

Operation Mode: ANT1 and ANT2 simultaneous transmitting on 802.11n/H20 Mode TX
CH Low (2412MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2390	56.85	-5.84	51.01	74	-22.99	Peak
2390	48.31	-5.84	42.47	54	-11.53	AVG
2400	56.84	-5.84	51.00	74	-23.00	Peak
2400	47.84	-5.84	42.00	54	-12.00	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2390	55.59	-5.84	49.75	74	-24.25	Peak
2390	50.16	-5.84	44.32	54	-9.68	AVG
2400	57.39	-5.84	51.55	74	-22.45	Peak
2400	47.26	-5.84	41.42	54	-12.58	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	55.49	-6.04	49.45	74	-24.55	Peak
2483.5	50.61	-6.04	44.57	54	-9.43	AVG
2500	56.18	-6.06	50.12	74	-23.88	Peak
2500	47.78	-6.06	41.72	54	-12.28	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	57.56	-6.04	51.52	74	-22.48	Peak
2483.5	49.88	-6.04	43.84	54	-10.16	AVG
2500	56.96	-6.06	50.90	74	-23.10	Peak
2500	48.16	-6.06	42.10	54	-11.90	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



Operation Mode: ANT1 and ANT2 simultaneous transmitting on 802.11n/H20 Mode TX
CH Low (2422MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	54.93	-5.84	49.09	74	-24.91	Peak
2390	50.40	-5.84	44.56	54	-9.44	AVG
2400	56.35	-5.84	50.51	74	-23.49	Peak
2400	48.26	-5.84	42.42	54	-11.58	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2390	55.94	-5.84	50.10	74	-23.90	Peak
2390	49.30	-5.84	43.46	54	-10.54	AVG
2400	56.71	-5.84	50.87	74	-23.13	Peak
2400	46.97	-5.84	41.13	54	-12.87	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Operation Mode: TX CH High (2452MHz)

Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	54.51	-6.04	48.47	74	-25.53	Peak
2483.5	49.06	-6.04	43.02	54	-10.98	AVG
2500	57.27	-6.06	51.21	74	-22.79	Peak
2500	48.90	-6.06	42.84	54	-11.16	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.5	57.60	-6.04	51.56	74	-22.44	Peak
2483.5	48.26	-6.04	42.22	54	-11.78	AVG
2500	56.54	-6.06	50.48	74	-23.52	Peak
2500	48.65	-6.06	42.59	54	-11.41	AVG

Remark :Factor= Antenna Factor + Cable Loss - Pre-amplifier



4.7. ANTENNA REQUIREMENT

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

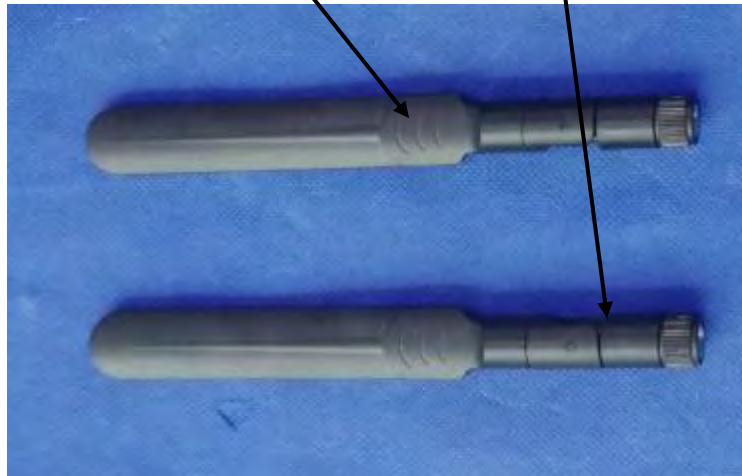
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is a Glue stick Antenna1 and Glue stick Antenna2, the same as both, The directional gains of antenna used for transmitting, both are 2dBi.

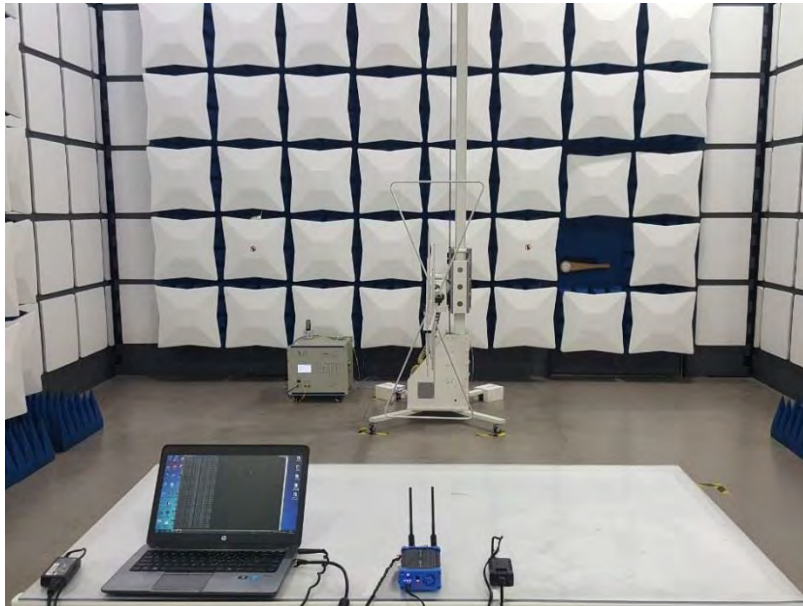
Glue stick Antenna1

Glue stick Antenna2



4.8. PHOTOGRAPH OF TEST

30MHz-1000MHz

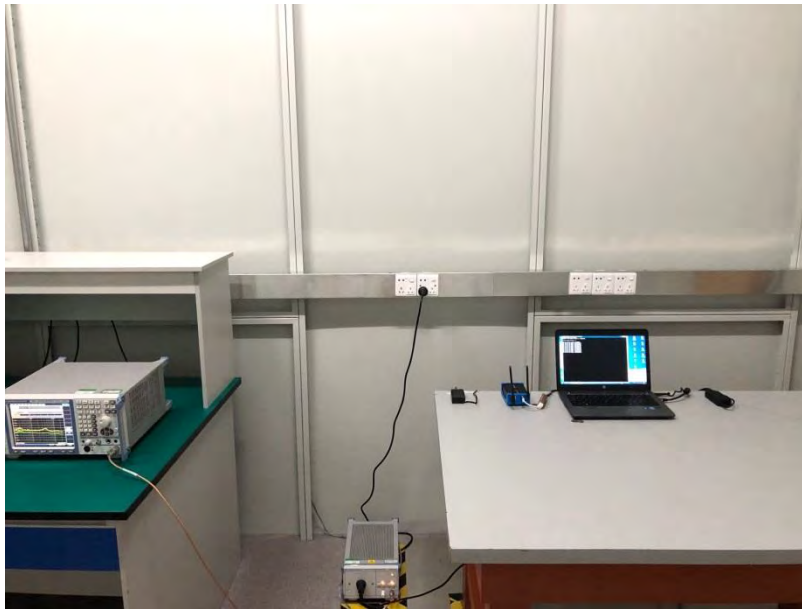


Above 1000MHz



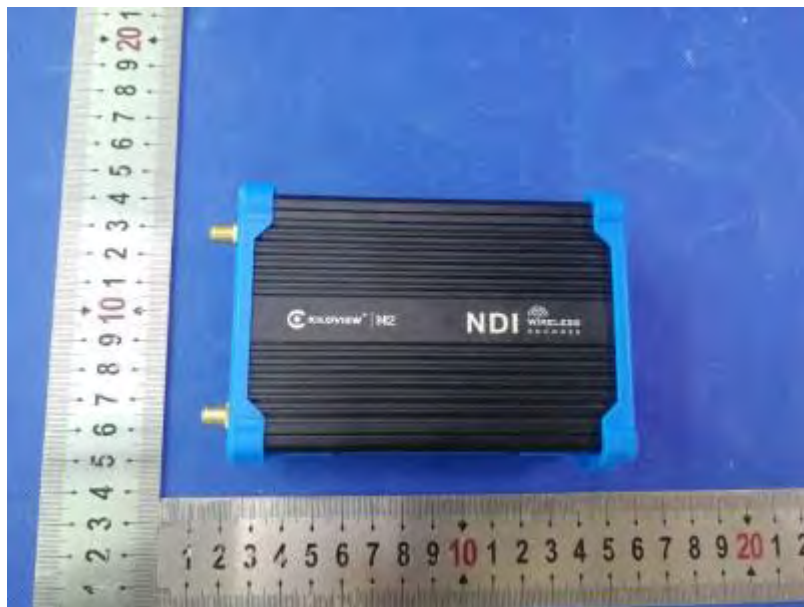


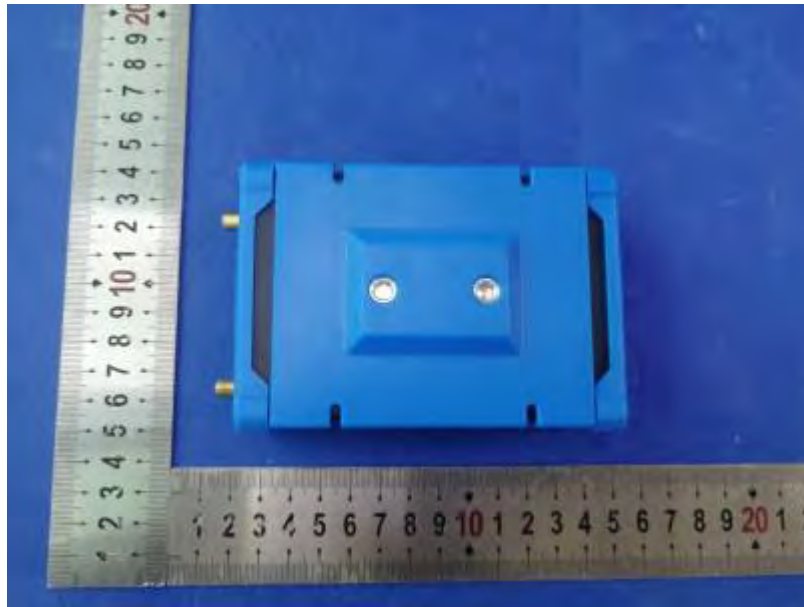
Conducted Emission

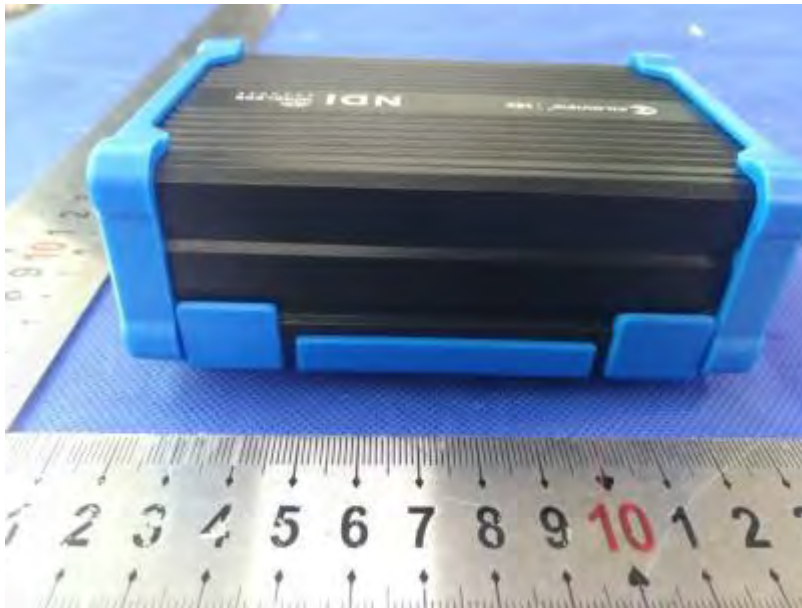


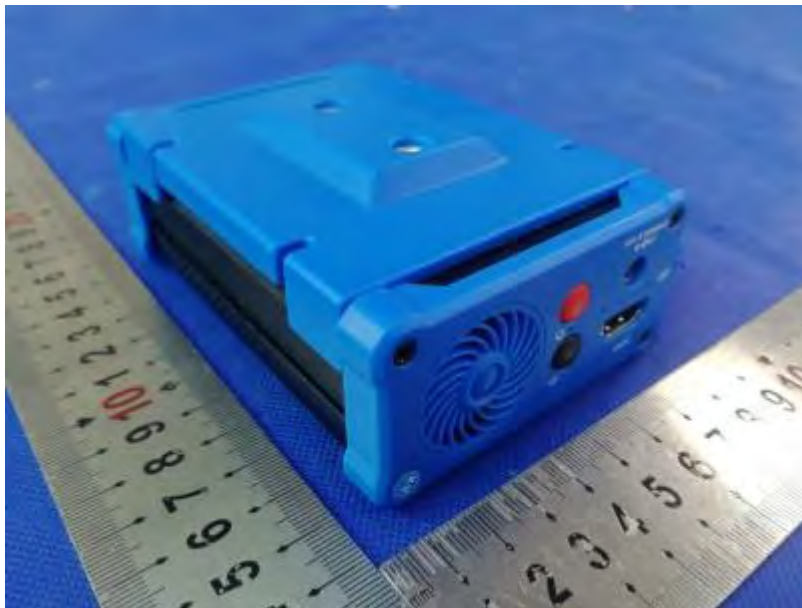
5. PHOTOS OF THE EUT

External photos



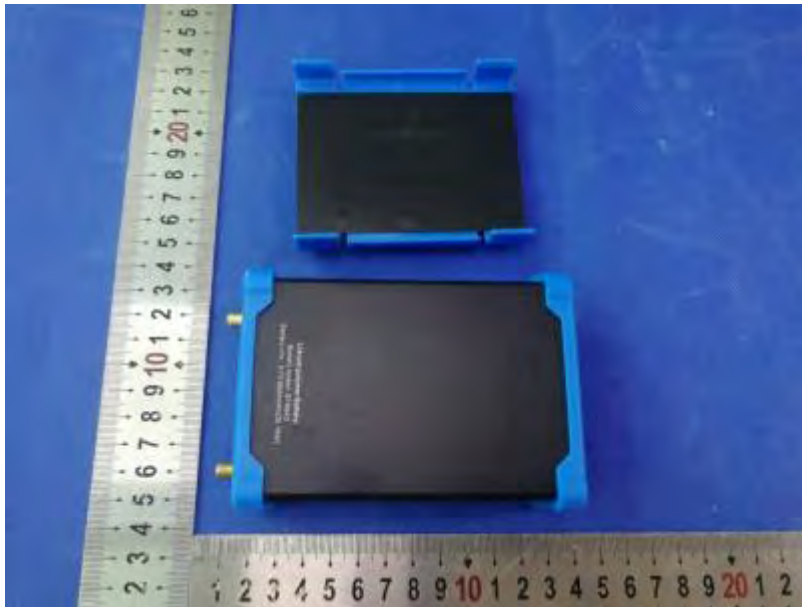


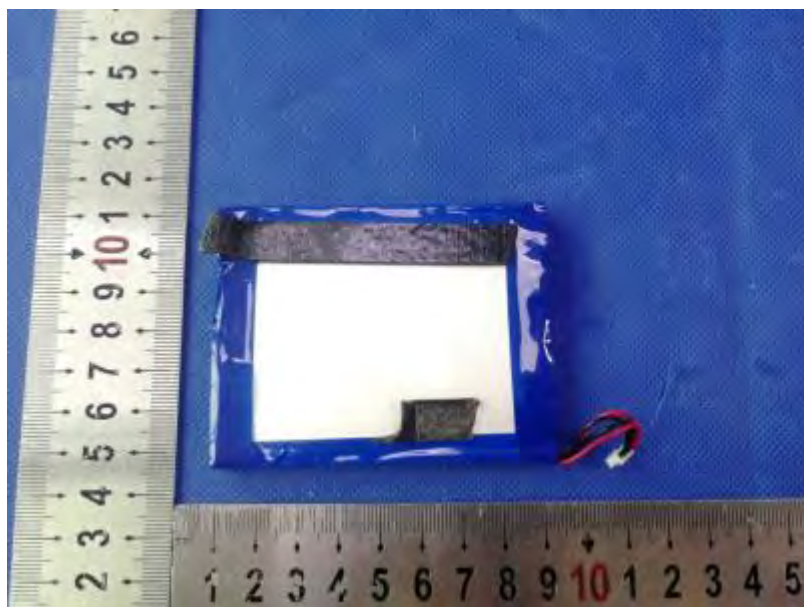


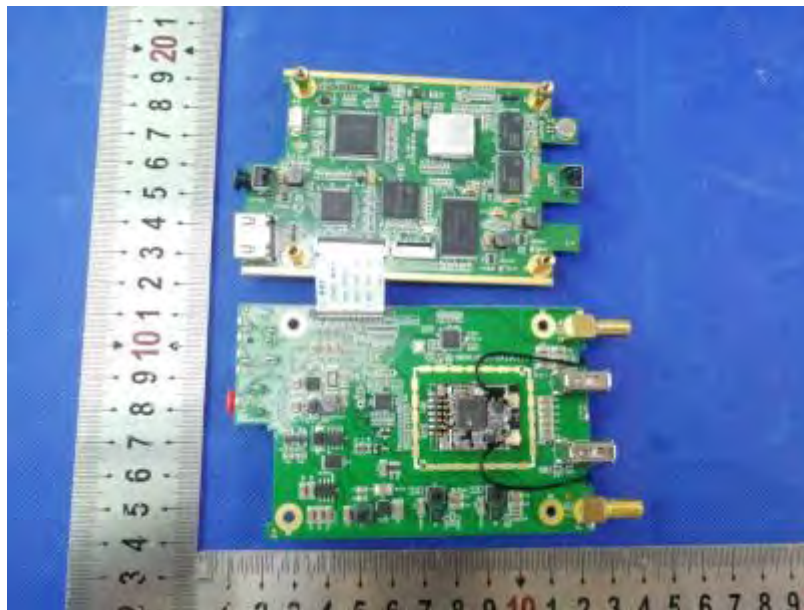
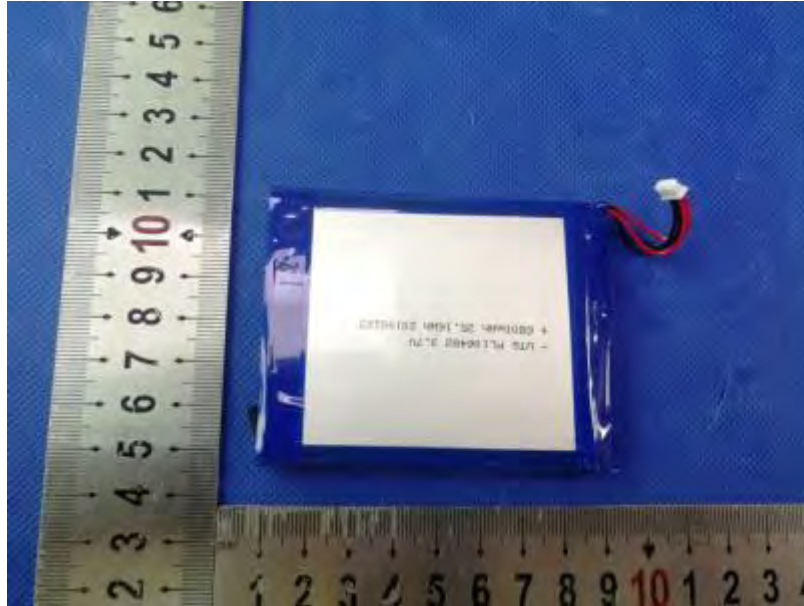


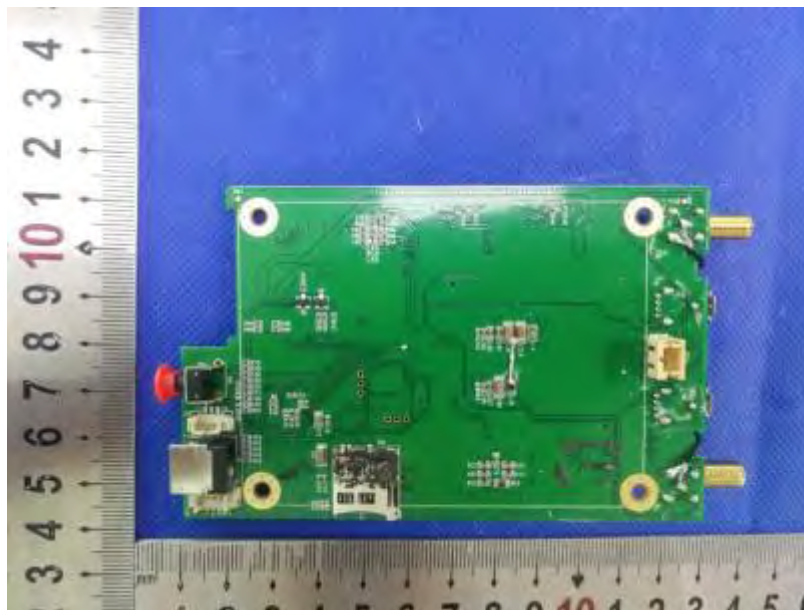


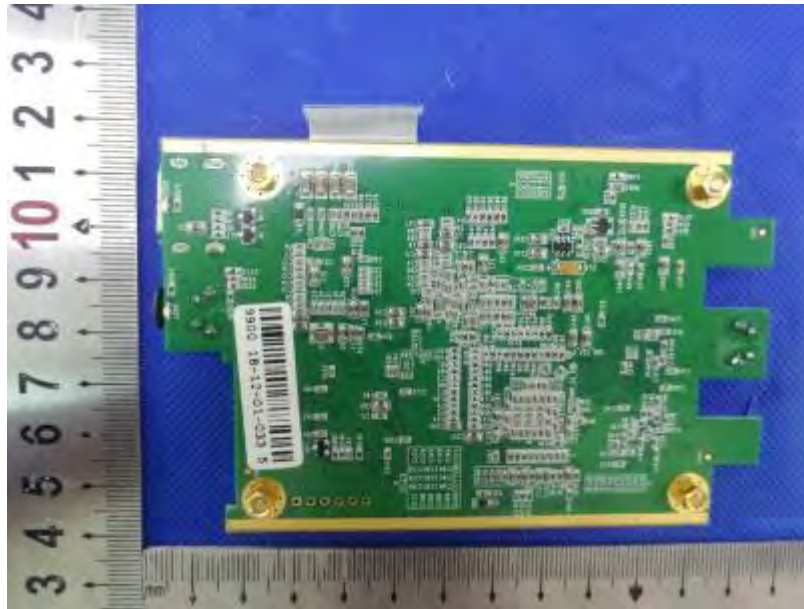
Internal photos

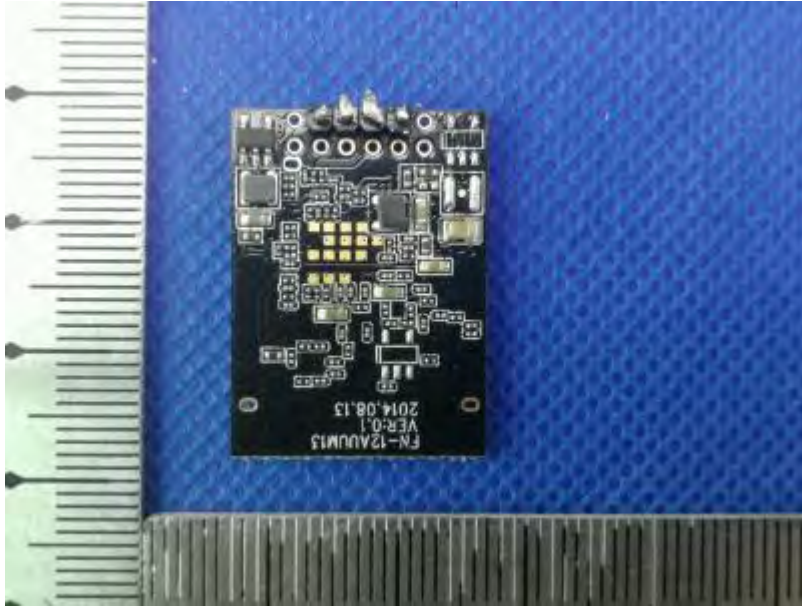












END