FCC RADIO TEST REPORT

FCC ID	:	**2AEM4-71213573**
Equipment	:	**Wireless router/access point**
Brand Name	:	**eero**
Model Name	:	**S010001**
Applicant	:	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107**
Manufacturer	:	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107**
Standard	:	**FCC Part 15 Subpart C §15.247**

The product was received on Aug. 10, 2021 and testing was started from Aug. 11, 2021 and completed on Oct. 19, 2021. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FR210727001B	01	Initial issue of report	Nov. 17, 2021
FR210727001B	02	Revise some content of descriptions	Dec. 16, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	Under limit 0.33 dB at 7356.000 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 10.48 dB at 0.492 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Product Feature of Equipment Under Test

The EUT is an indoor AP with radios including Bluetooth - LE, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac/ax, 802.15.4 (Zigbee), equipped with integrated antennas configured below:

Antenna configuration	
Antenna Type	**WLAN 2.4GHz** <Ant. 6>: Flexible PCB Antenna <Ant. 3>: Flexible PCB Antenna **WLAN 5GHz** <Ant. 4>: Flexible PCB Antenna <Ant. 5>: Flexible PCB Antenna **Bluetooth**: Flexible PCB Antenna **Zigbee**: Flexible PCB Antenna

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	**<Ant. 6>:** 4.85 **<Ant. 3>:** 2.88

Remark: The above EUT's information is declared by the manufacturer. Please refer to Comments and Explanations in report summary.

Specification of Accessories				
Adapter 1	**Brand Name**	eero	**Model Name**	C210001
Adapter 2	**Brand Name**	eero	**Model Name**	C210003
Adapter 3	**Brand Name**	eero	**Model Name**	C210004
Adapter 4	**Brand Name**	eero	**Model Name**	C210005

Remark: The manufacturer declares that all the power supplies listed are electrically identical from one another, the only difference between all the models are the plugs designed for use in different countries. All the test is performed with only one power supply, model C210001 as shown in this report.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	**Sporton Site No.**
	TH01-CA, CO01-CA, 03CH02-CA

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

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

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards without any deviation during the test.
2. This EUT has also been tested and shown compliance with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Radiated measurements are performed in one orientation which is plane X according to the prescribed placement of the device in normal operation declared by the manufacturer.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		

2.2 Test Mode

All modulation schemes/data rate are verified by conducted power test case, and the modulation schemes with highest power is used for all test cases. The final test items are considering the modulation schemes and the worst data rates as the table below.

The manufacturer declares that this product would only operate in 2Tx CDD mode, hence all the test cases are performed as instructed.

Specification	MCS index /Data Rate
802.11b	**1 Mbps**
802.11g	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**

RF test channels are listed in the following table:

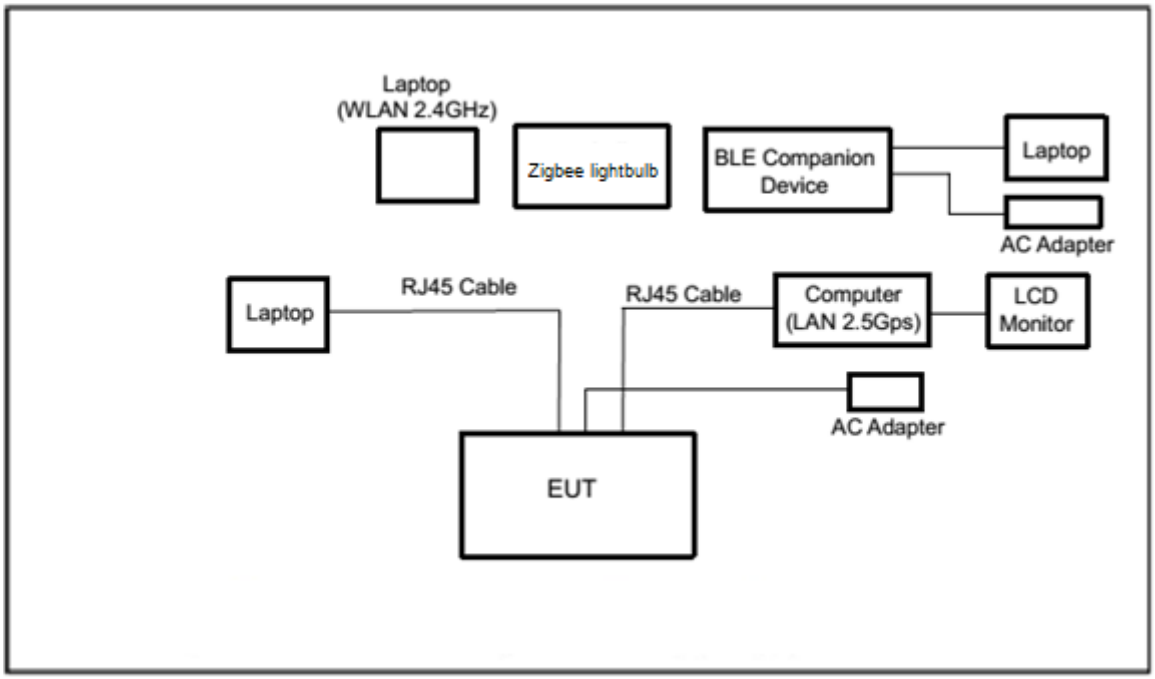
	2400-2483.5 MHz			
	802.11b	**802.11g**	**802.11n HT20**	**802.11n HT40**
Ch. #	01	01	01	03
	02	02	02	-
	03	03	03	-
	06	06	06	06
	09	09	09	-
	10	10	10	-
	11	11	11	09

AC Conducted Emission Test Cases are listed in the following table:

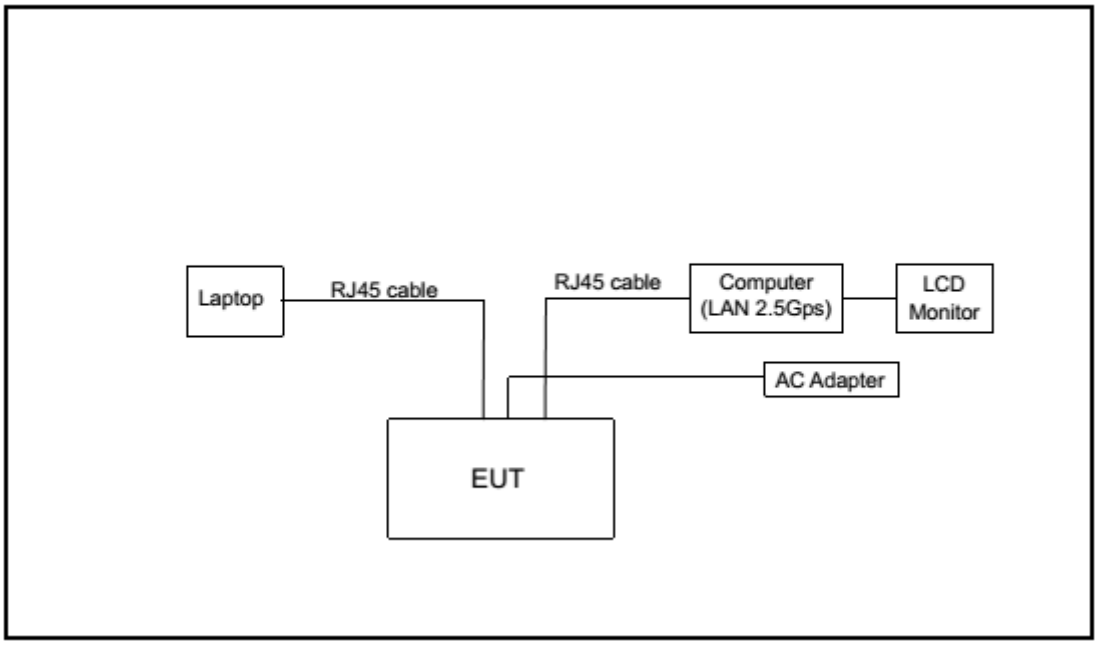
AC Conducted Emission Test Cases	
AC Conducted Emission	Mode 1 :WLAN (2.4GHz) Link + Zigbee Link + LAN 1 Link + LAN 2 Link + Adapter Mode 2 :WLAN (2.4GHz) Link + Bluetooth - LE Link + LAN 1 Link + LAN 2 Link + Adapter
Remark: The worst case of conducted emission is mode 1; only the test data of it was reported.	

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<Radiated Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Acer	PS548 G1	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	HP	14-dq1043cl	TX2-RTL8822CE	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Computer	Fractal	FD-C-DEF7A-01 (NETINTX550TR Intel X550T2BLK)	FCC DoC	N/A	Unshielded, 1.2 m
4.	LCD Monitor	Samsung	LS27E310HZG/ZA	FCC DoC	N/A	Unshielded, 1.2m
5.	Light Bulb for Zigbee	Philips	Hue	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

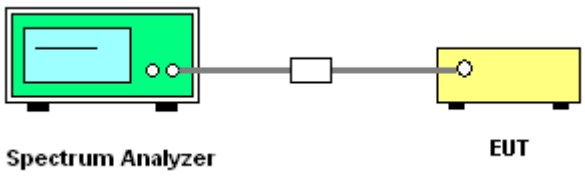
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
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 the maximum power setting and enable the EUT to transmit continuously.
4. For 6 dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set to 100 kHz; video bandwidth is set to 300 kHz. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and video bandwidth is set to ≥ 3 * RBW.
6. Measure and record the results in the test report.

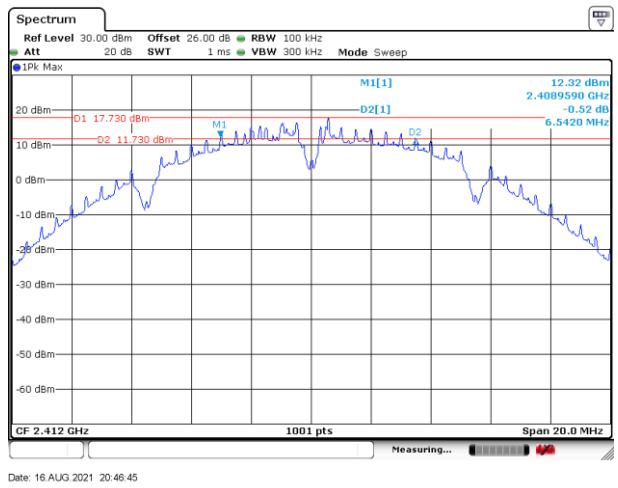
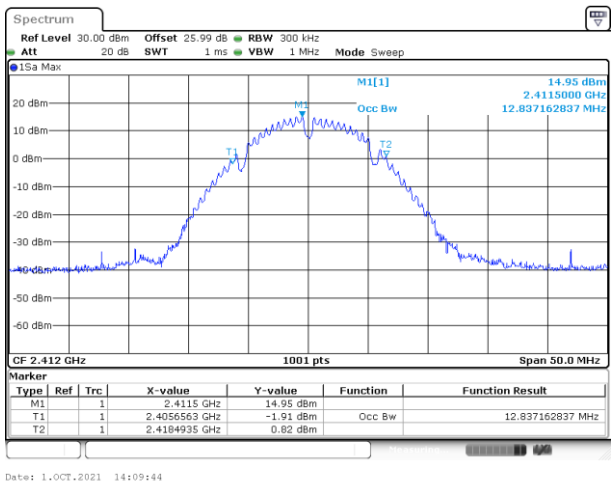
3.1.4 Test Setup



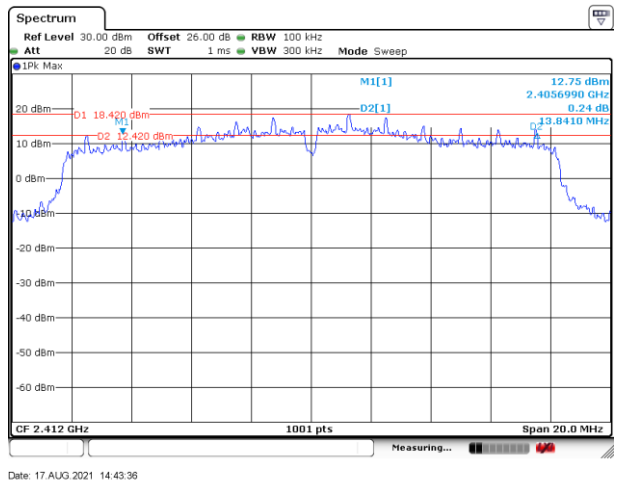
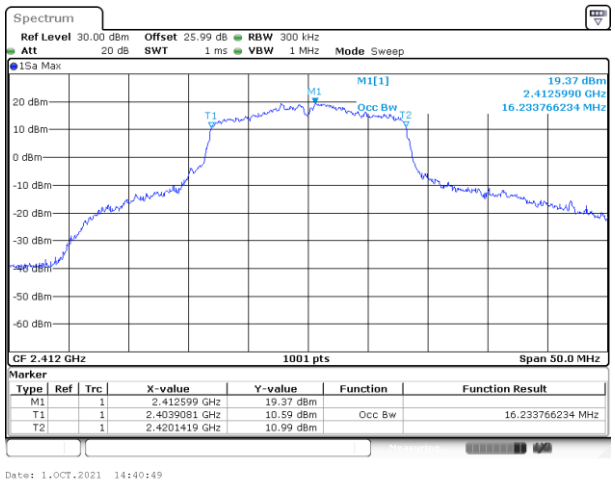
3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

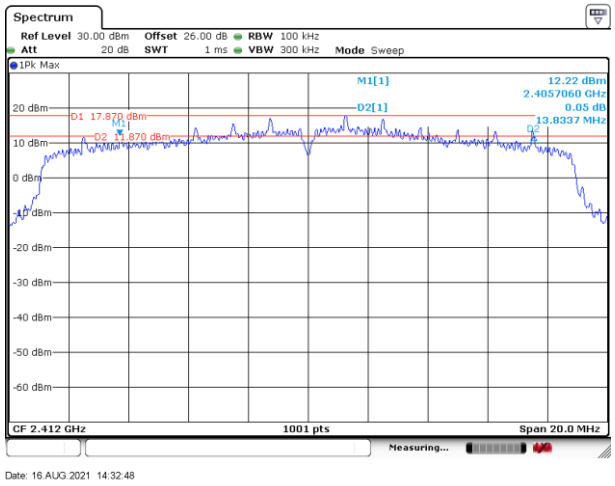
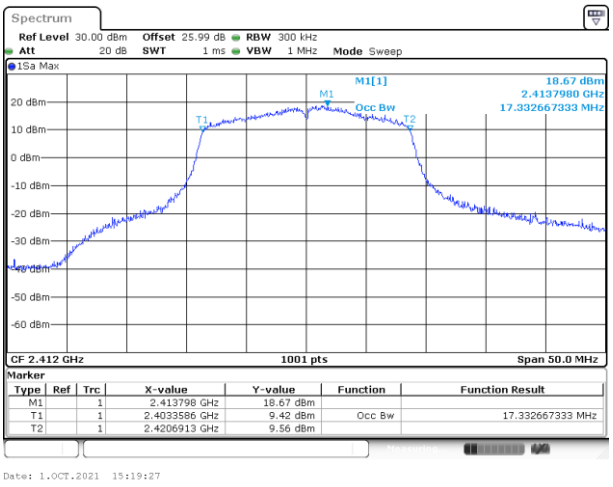
802.11b CH01

6dB Bandwidth	99% Occupied Bandwidth
	
Note: The occupied channel bandwidth is maintained within the band of operation.	

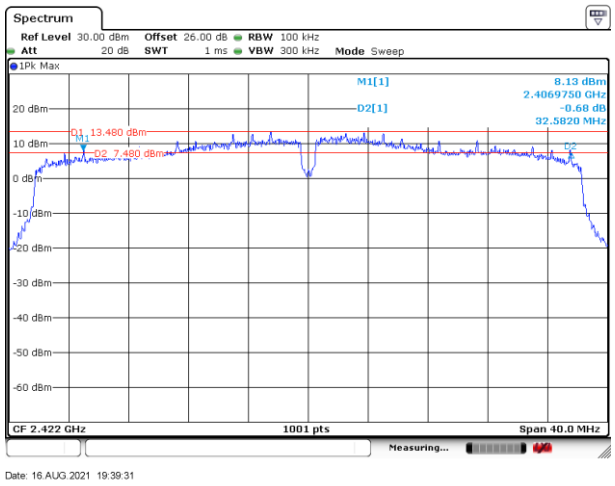
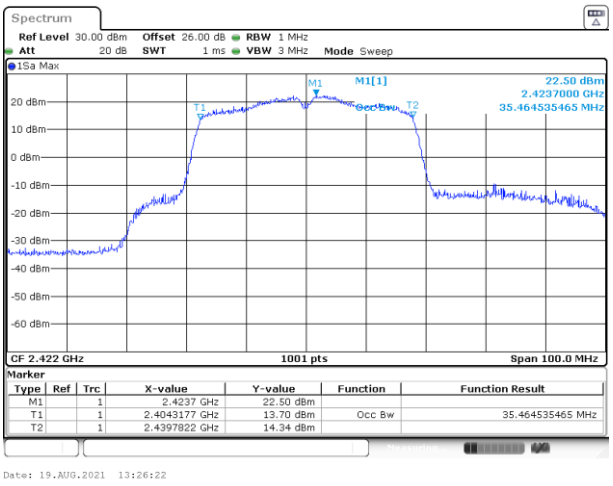
802.11g CH01

6dB Bandwidth	99% Occupied Bandwidth
	
Note: The occupied channel bandwidth is maintained within the band of operation.	

802.11n HT20 CH01

6dB Bandwidth	99% Occupied Bandwidth
	
Note: The occupied channel bandwidth is maintained within the band of operation.	

802.11n HT40 CH03

6dB Bandwidth	99% Occupied Bandwidth
	
Note: The occupied channel bandwidth is maintained within the band of operation.	

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

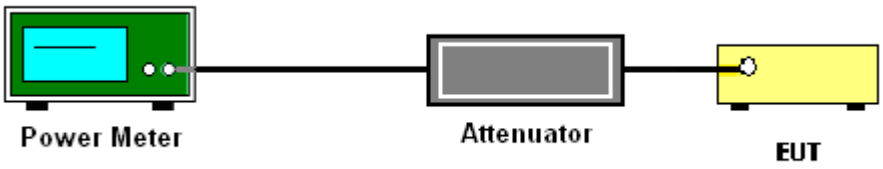
3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
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 the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power and record the results in the test report.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

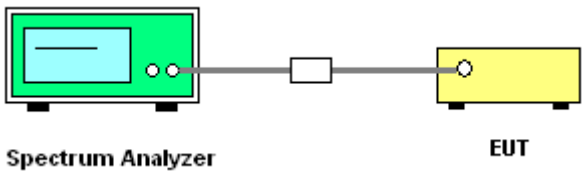
3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

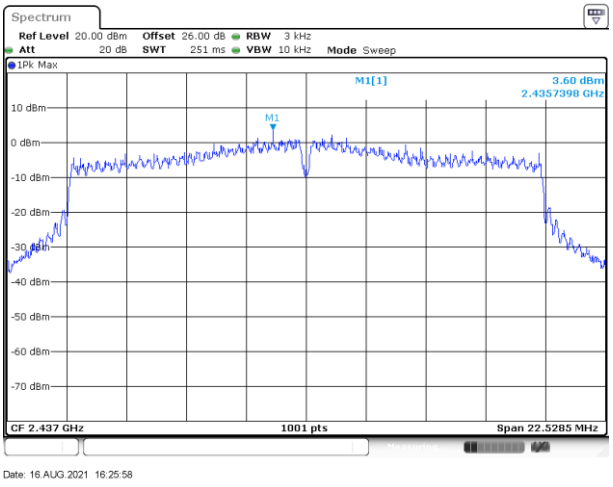
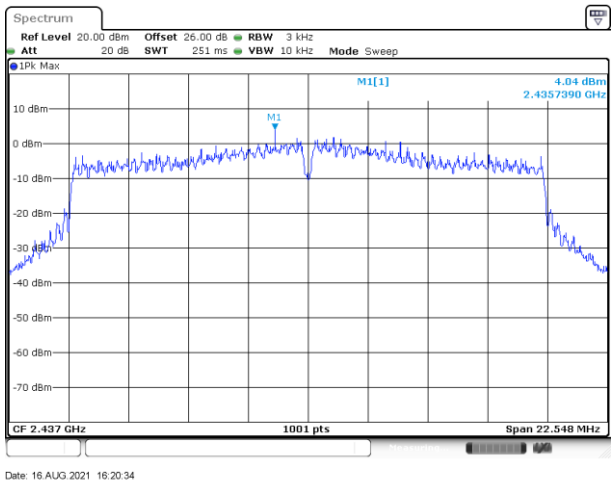
1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Measure and add 10 log (N) dB, where N is the number of outputs. (N=2)

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/3kHz) 802.11n HT20 CH01	
MIMO Ant. 6	**MIMO Ant. 3**
	

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

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.

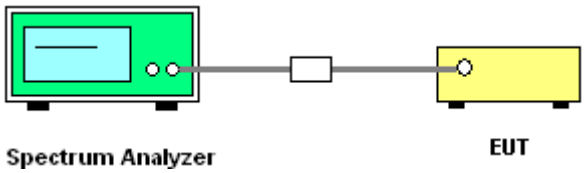
3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.1 General and 11.11.3 Emission level measurement.
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 the maximum power setting and enable the EUT to 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.

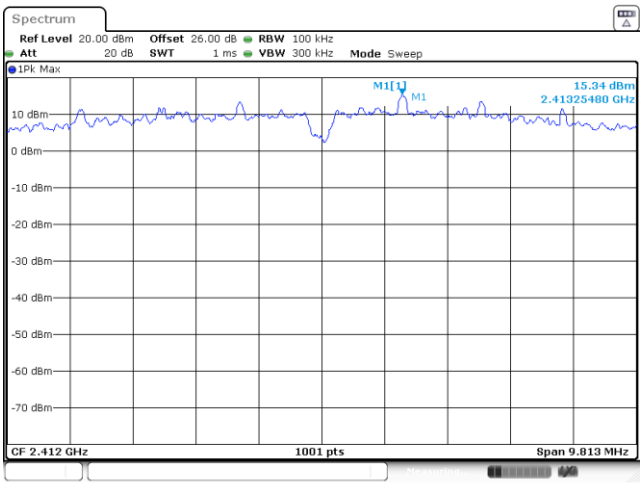
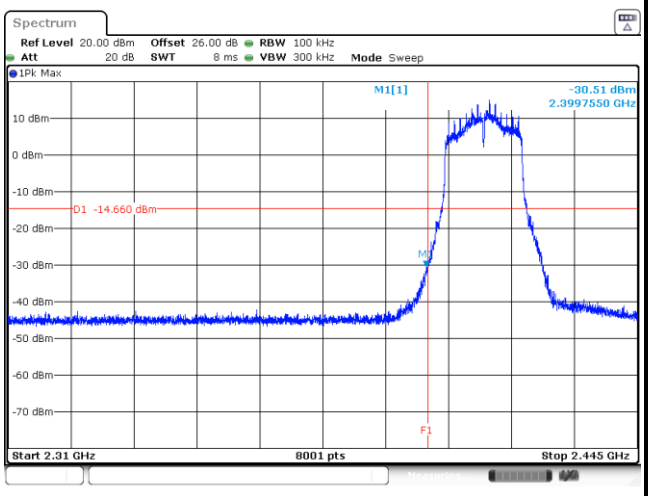
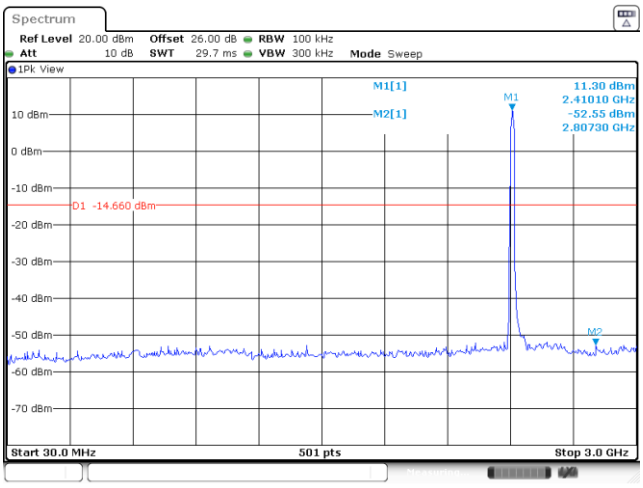
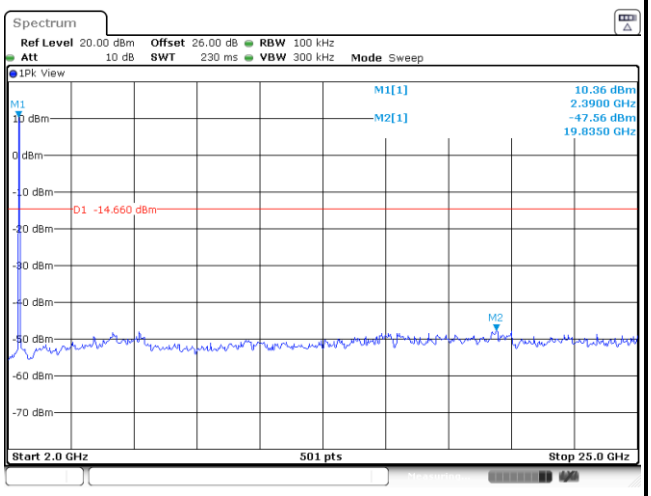
3.4.4 Test Setup



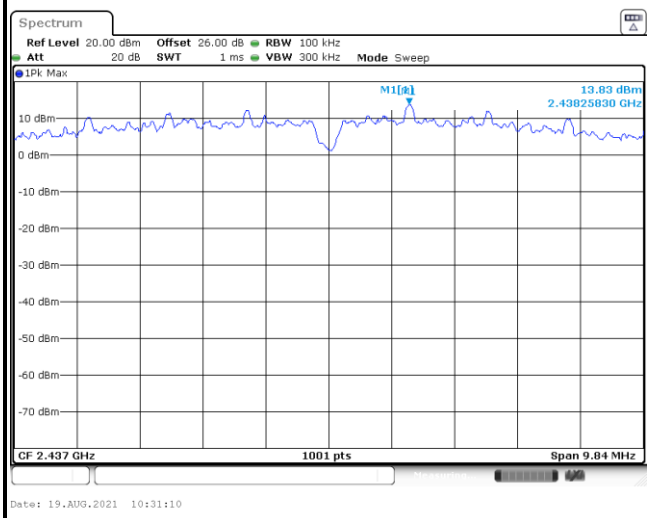
3.4.5 Test Result of Conducted Band Edges and Spurious Emission

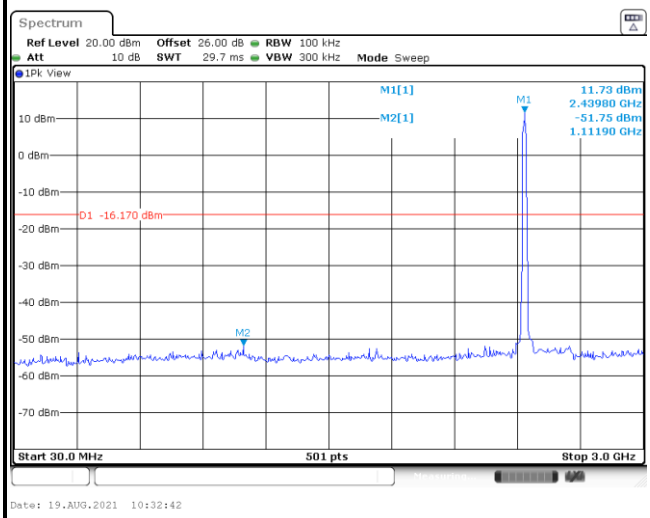
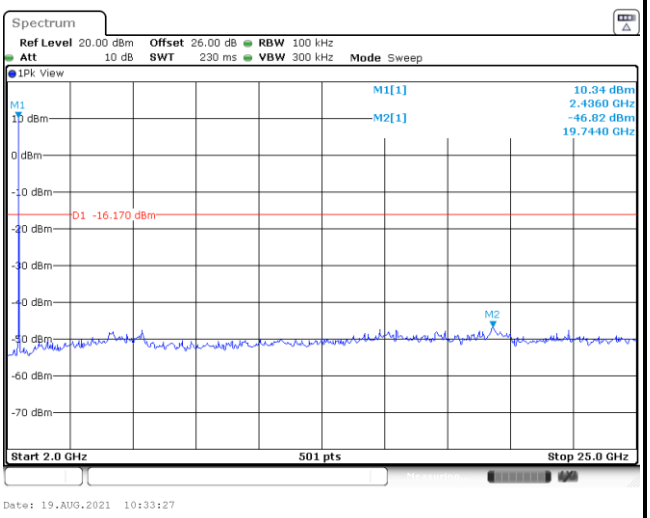
Test result of Ant. 6

Test Mode :	802.11b	Test Channel :	01

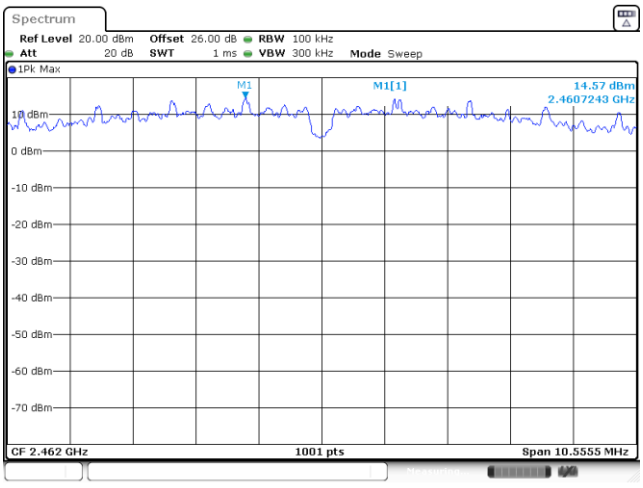
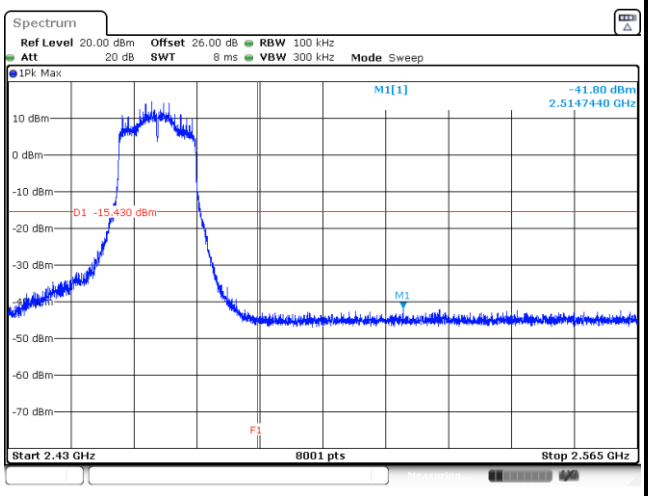
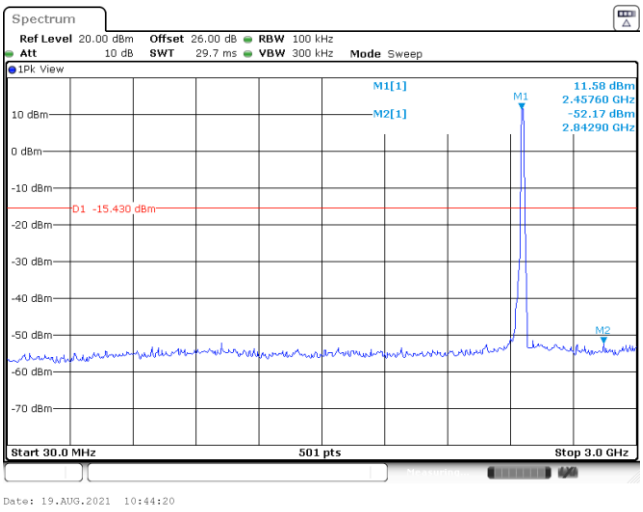
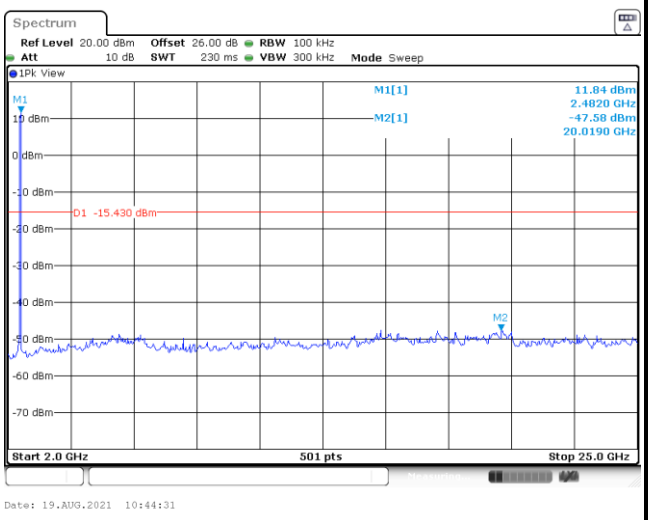
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11b	Test Channel :	06

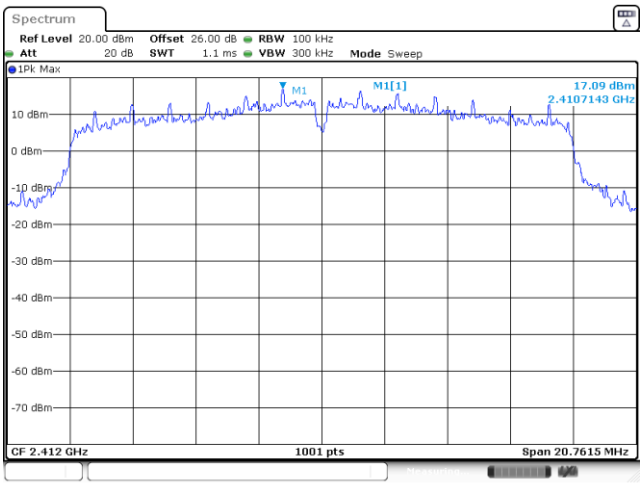
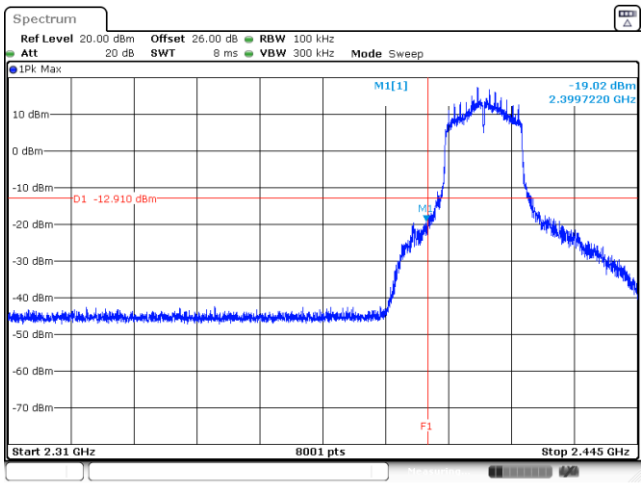
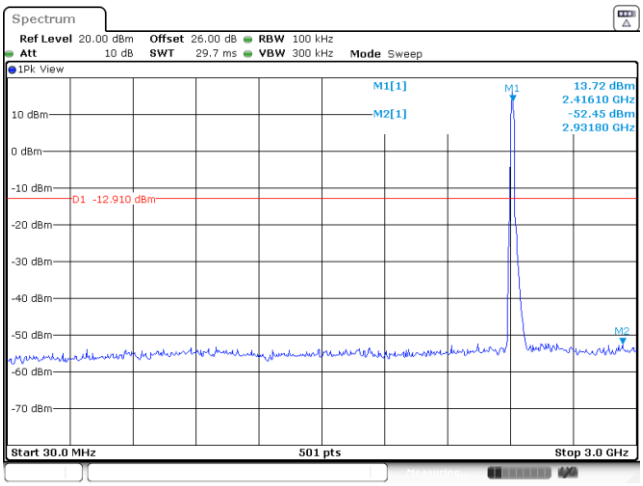
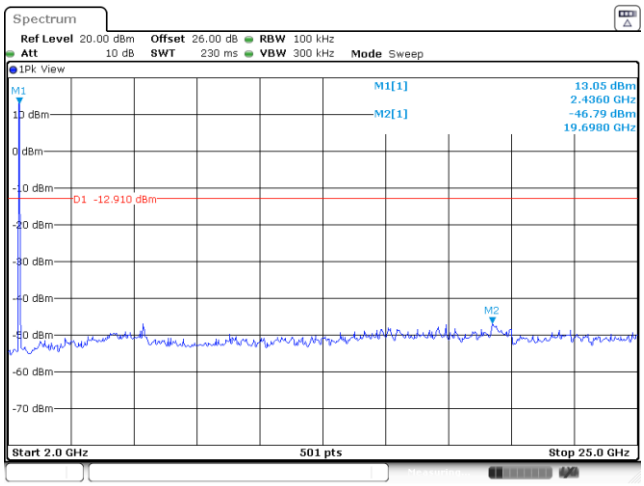
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

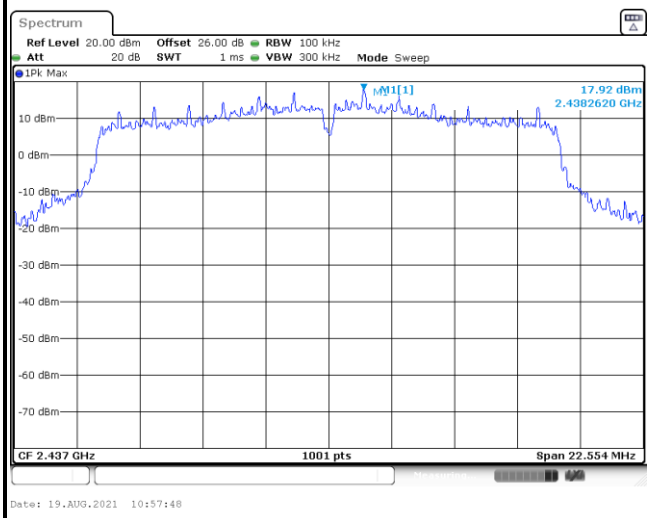
Test Mode :	802.11b	Test Channel :	11

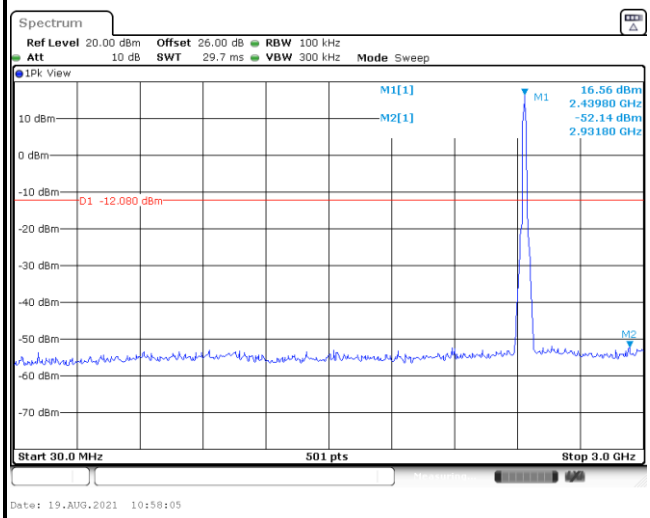
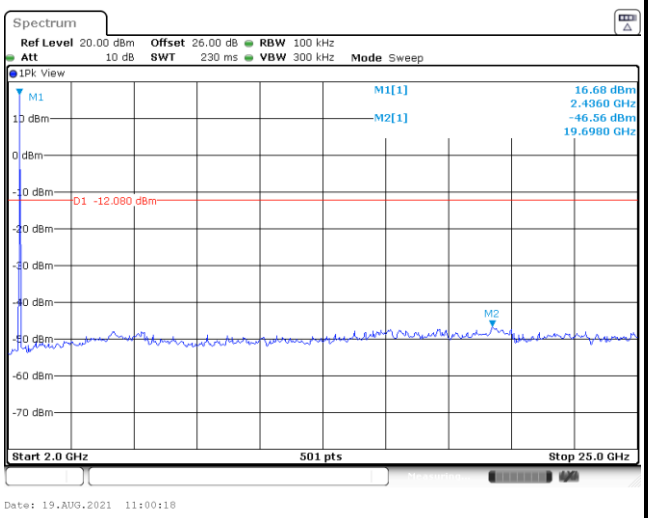
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	01

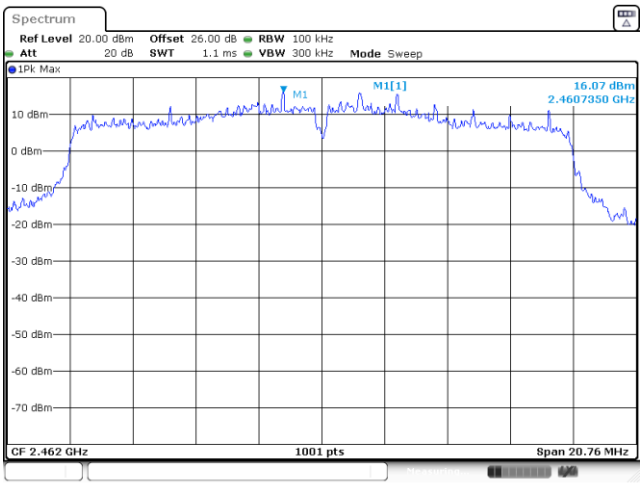
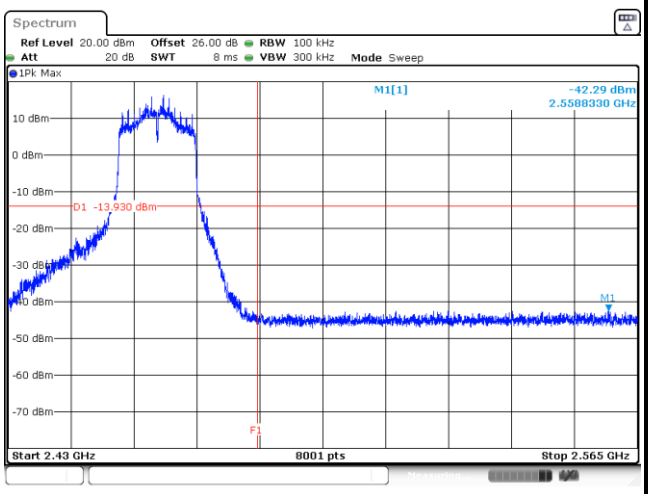
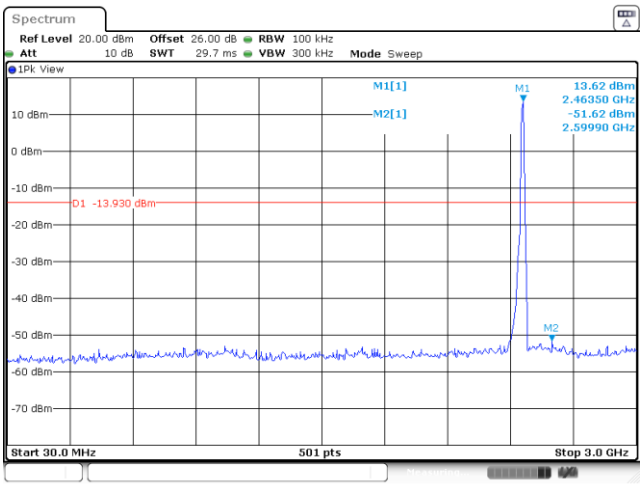
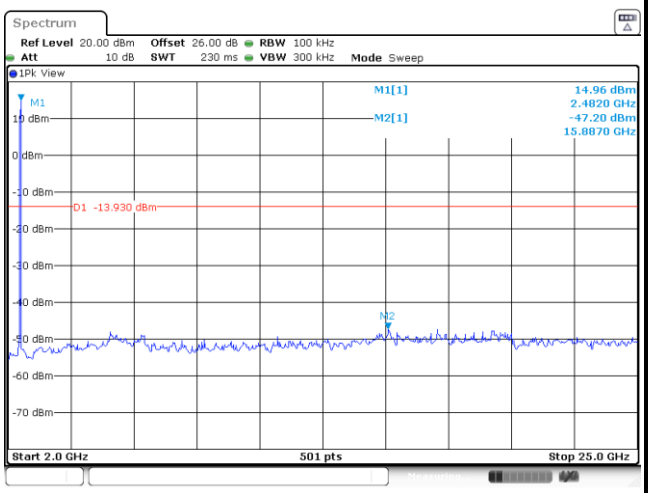
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	06

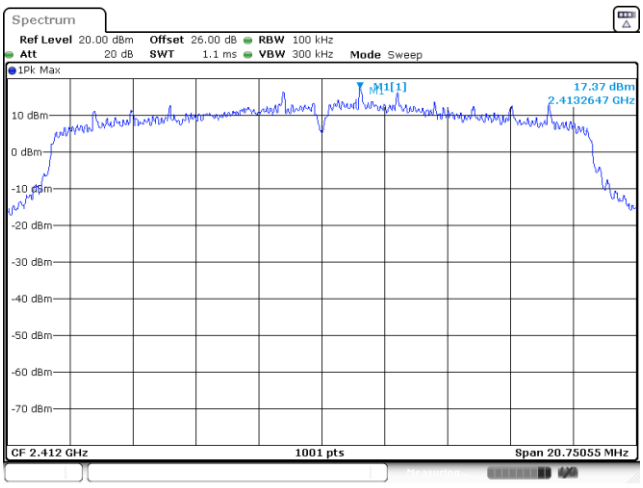
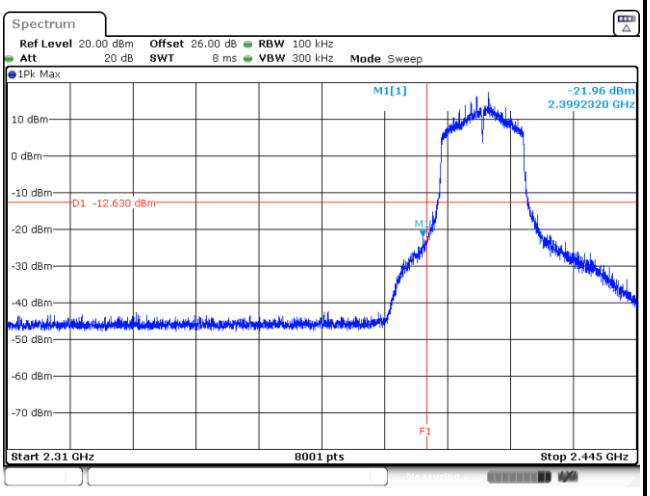
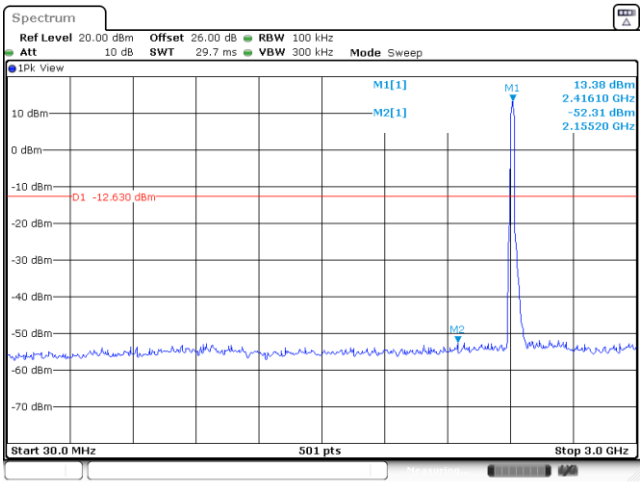
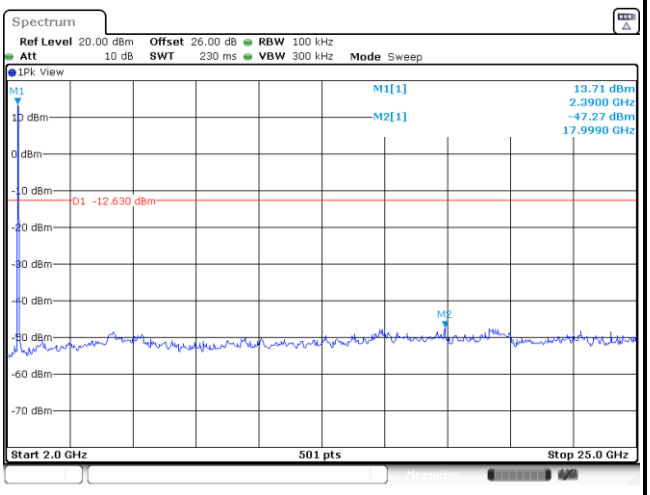
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

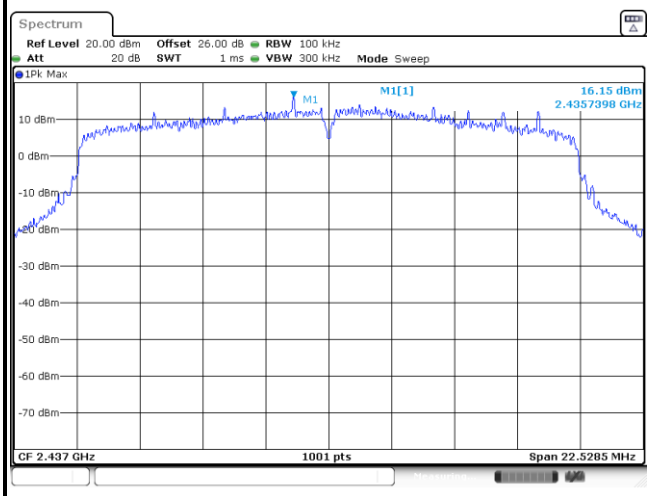
Test Mode :	802.11g	Test Channel :	11

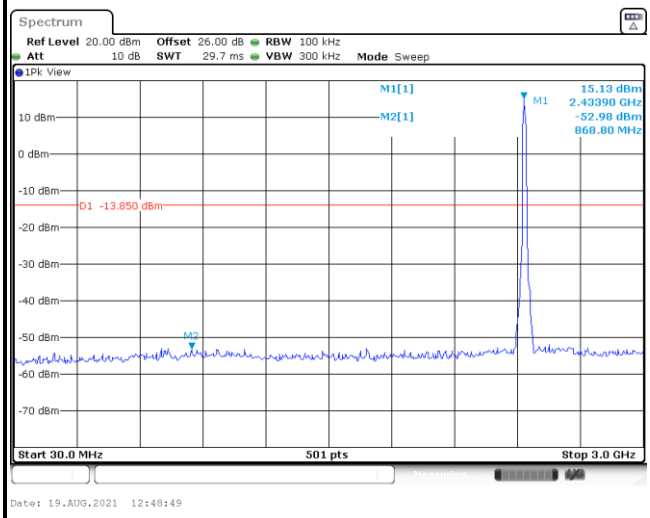
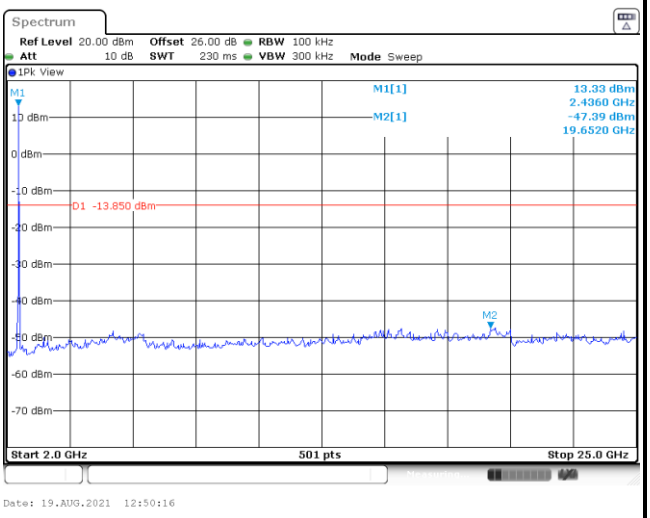
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	01

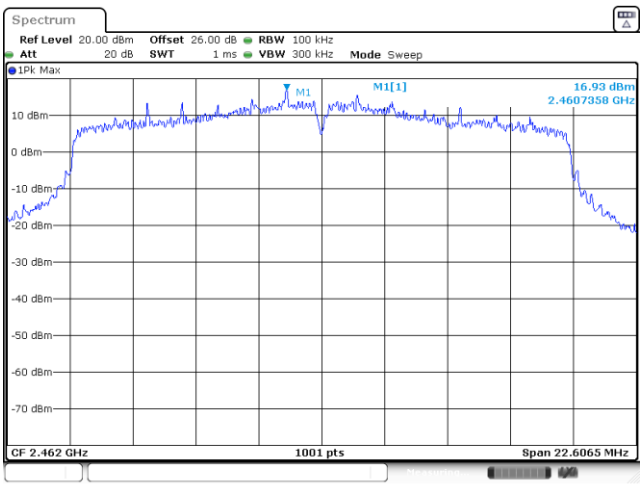
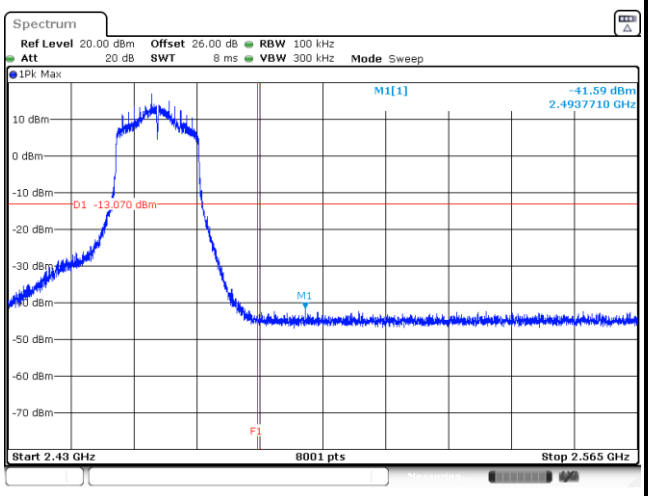
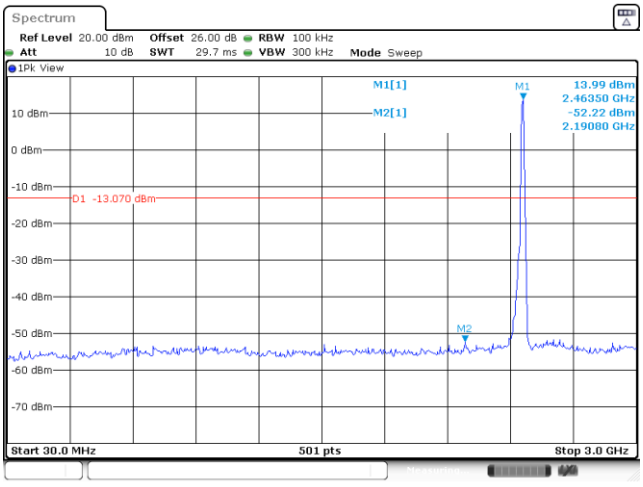
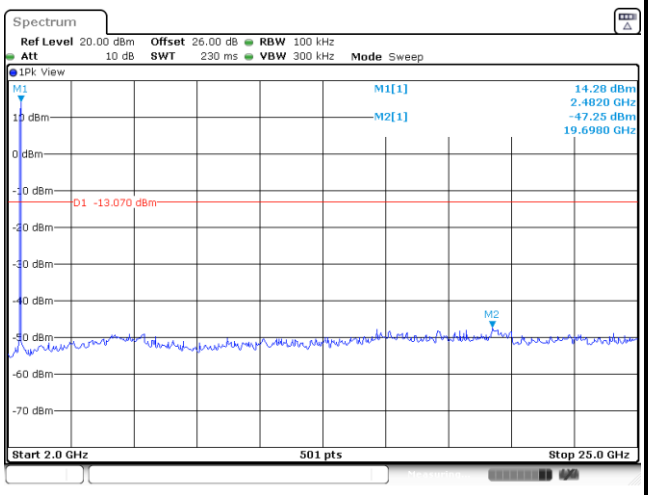
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

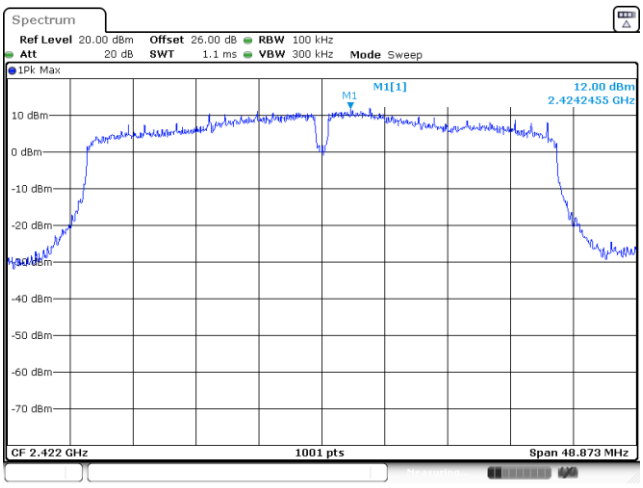
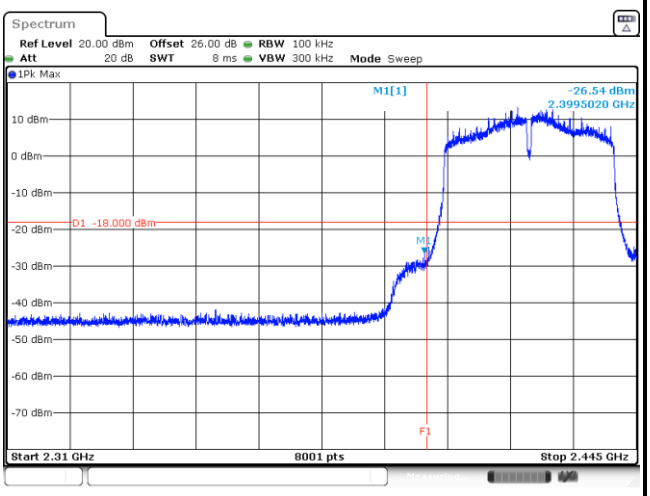
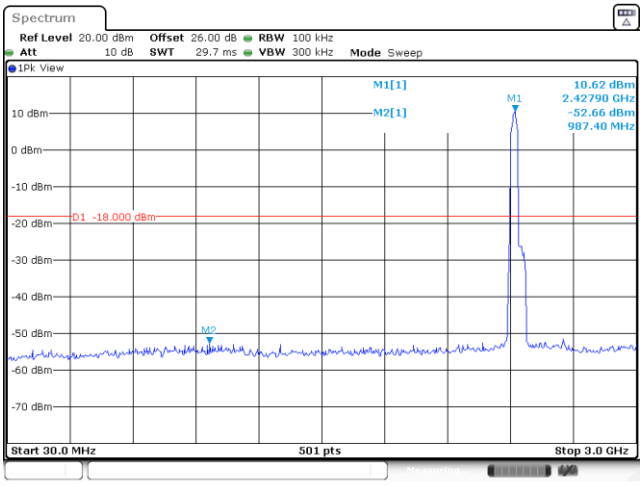
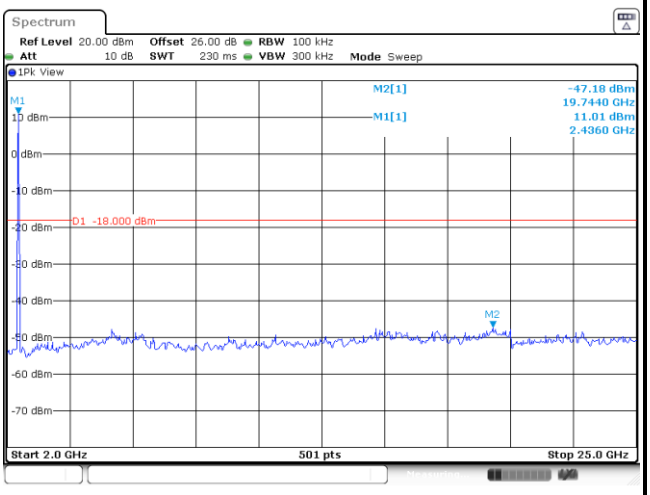
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

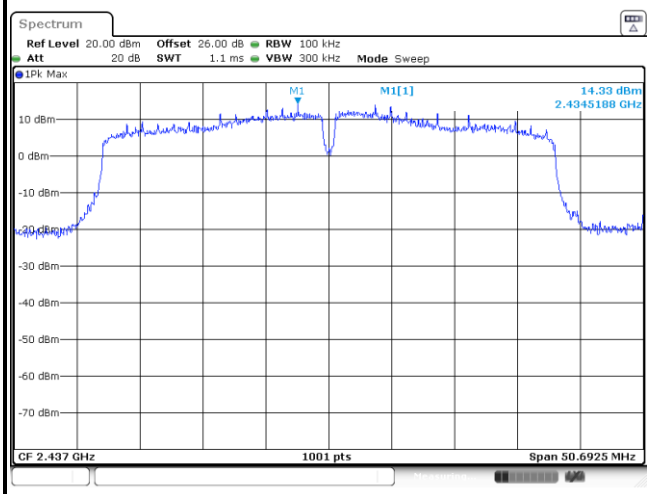
Test Mode :	802.11n HT20	Test Channel :	11

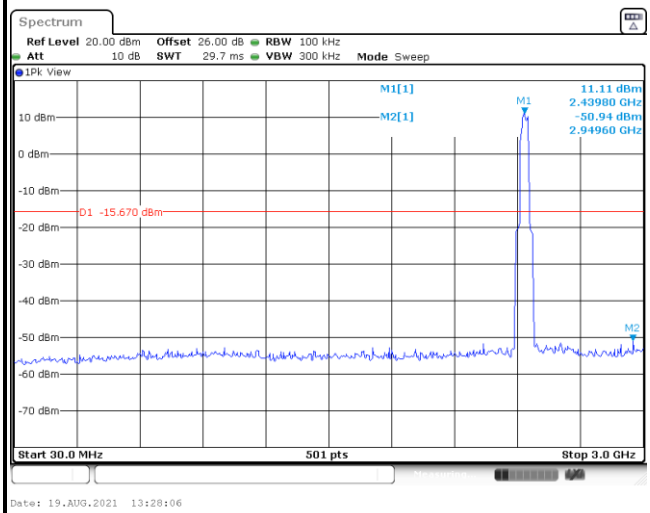
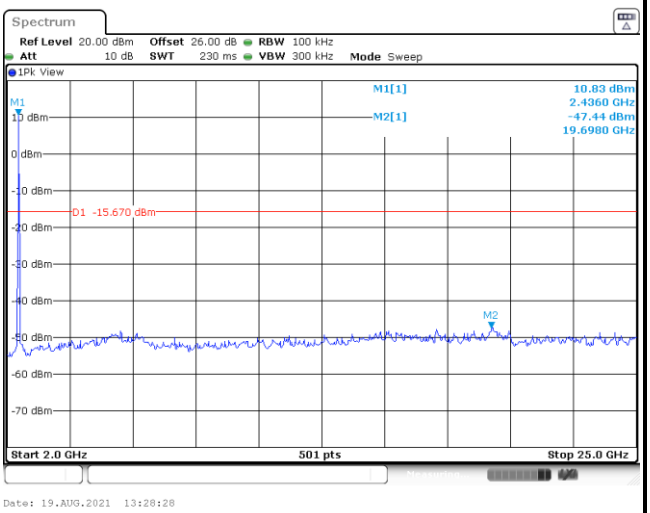
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	03

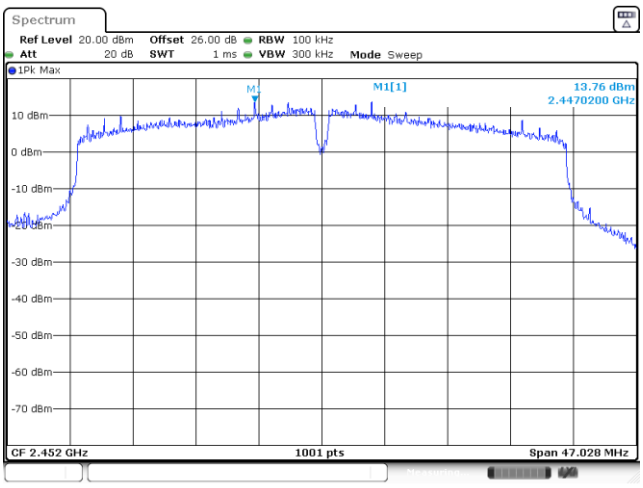
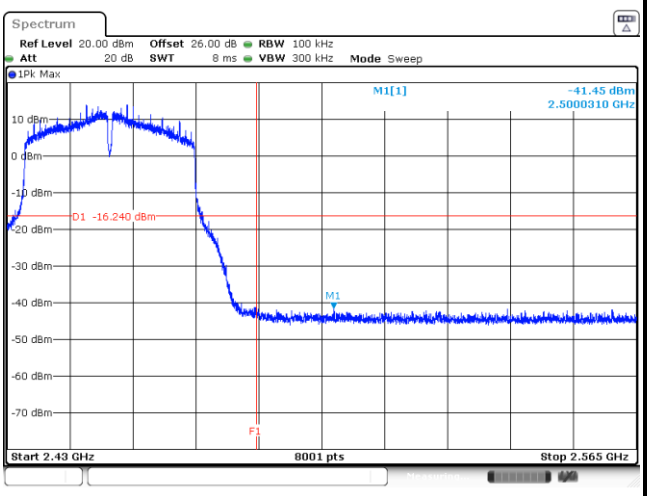
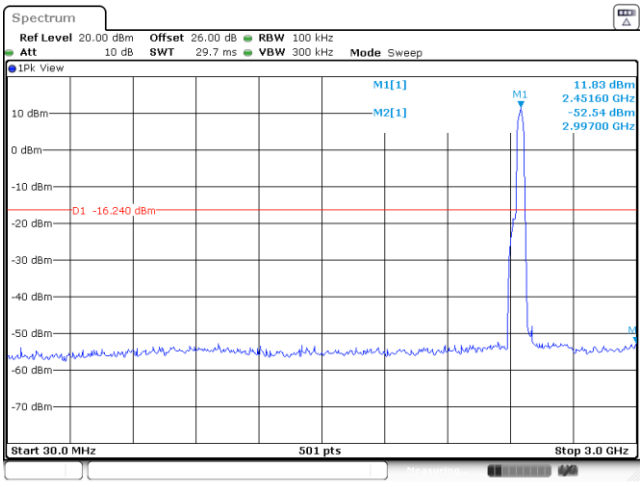
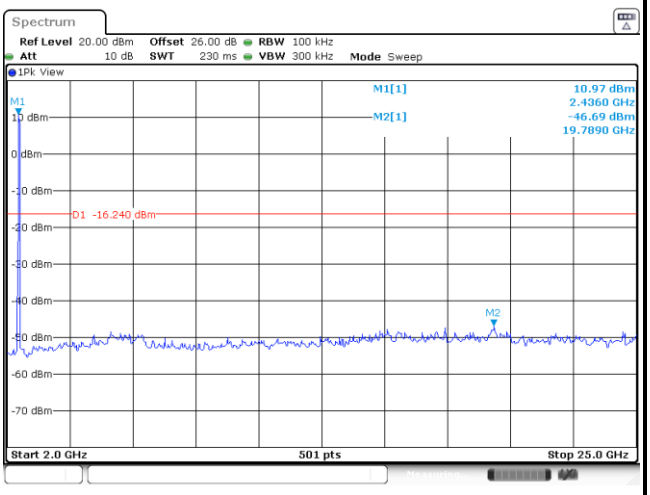
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	Left Blank

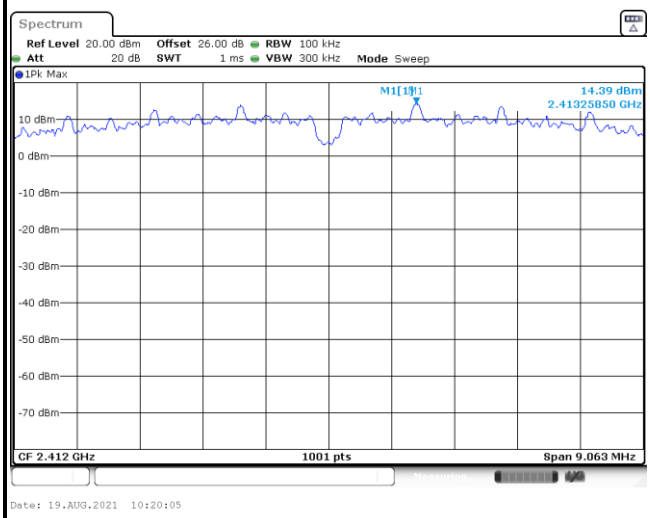
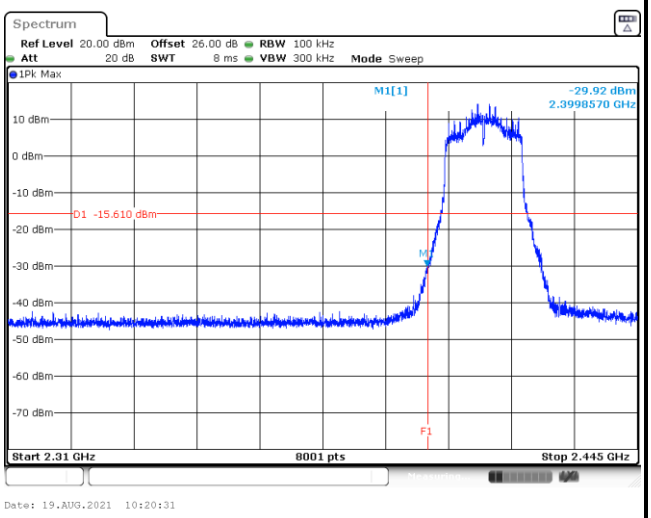
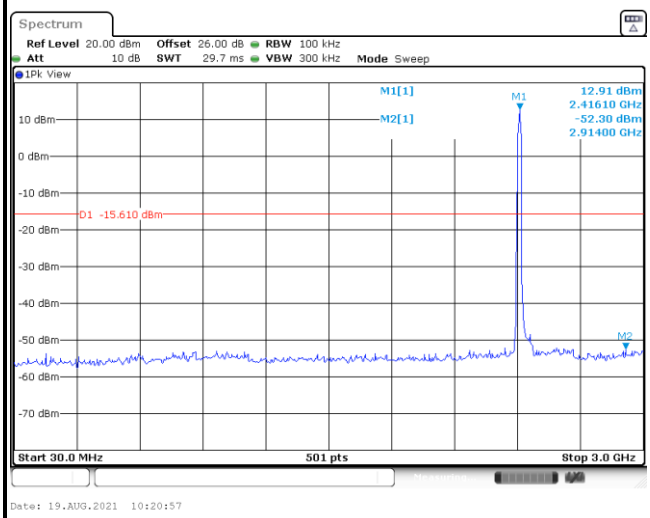
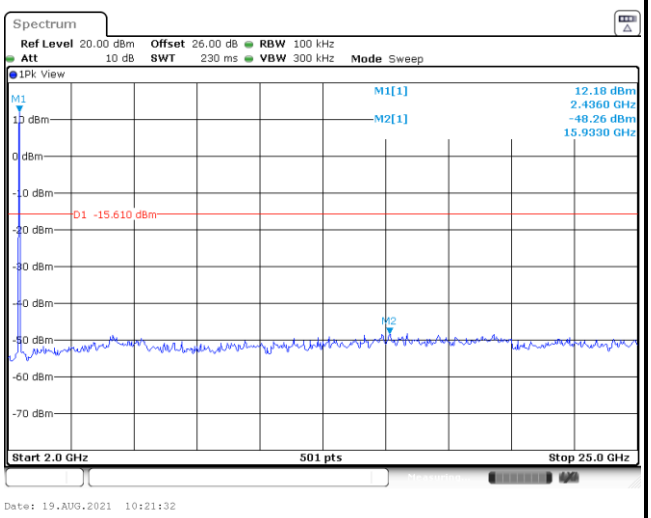
Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

Test Mode :	802.11n HT40	Test Channel :	09

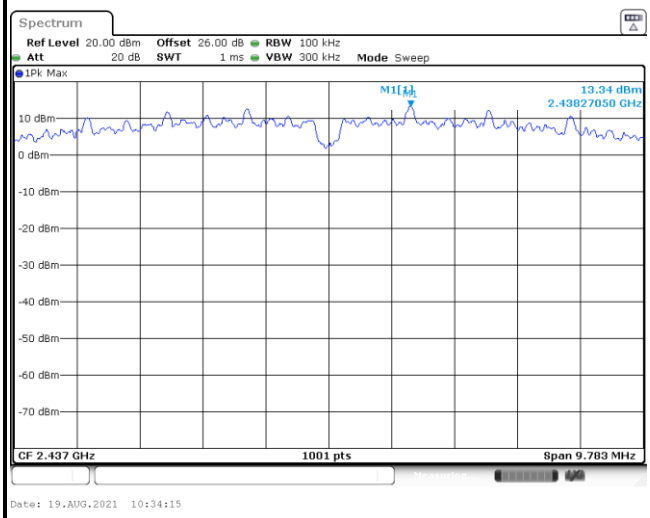
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

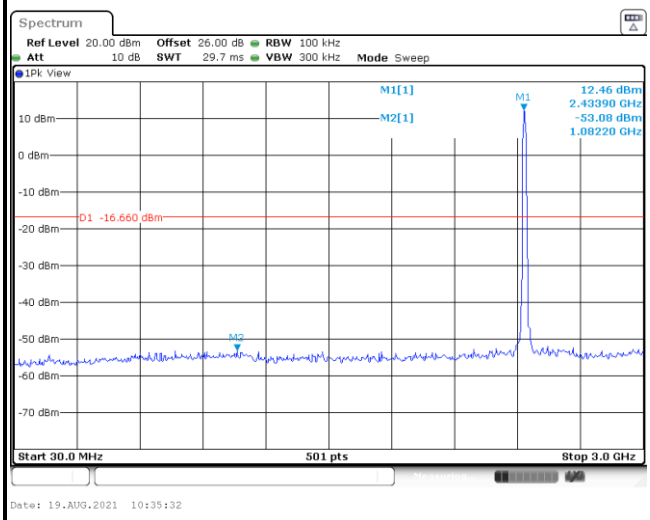
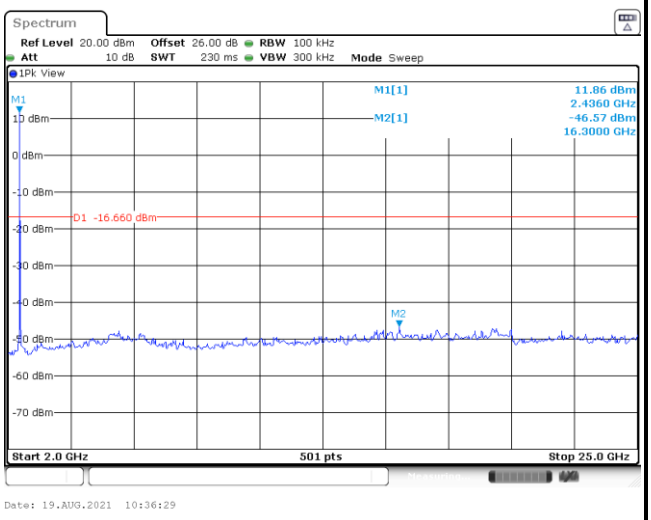
Test result of Ant. 3

Test Mode :	802.11b	Test Channel :	01

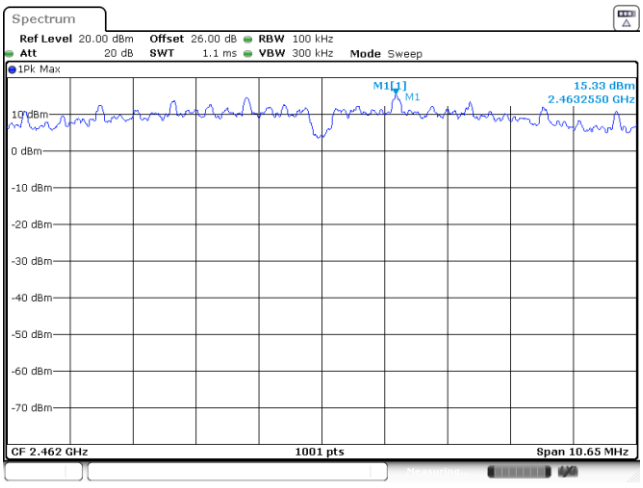
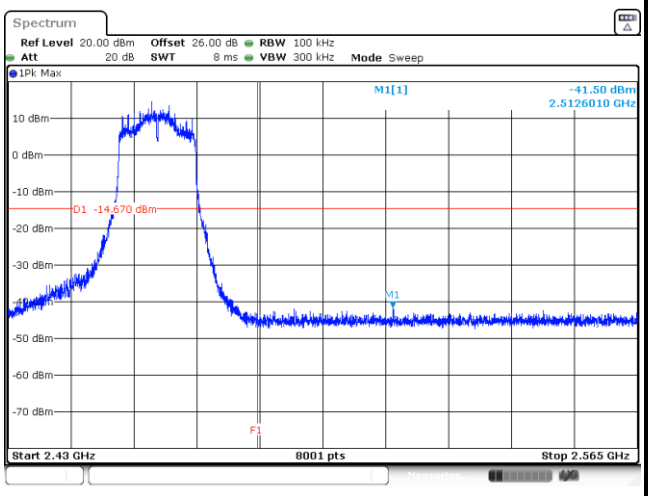
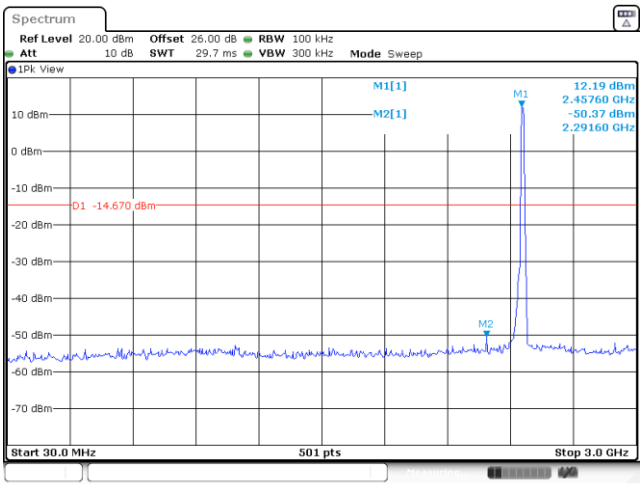
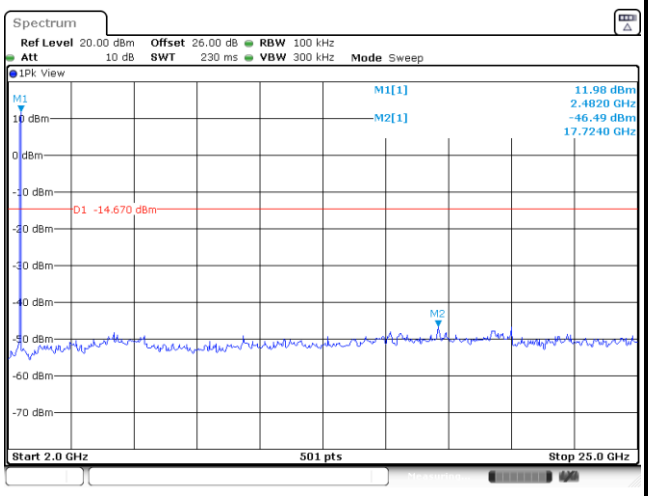
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11b	Test Channel :	06

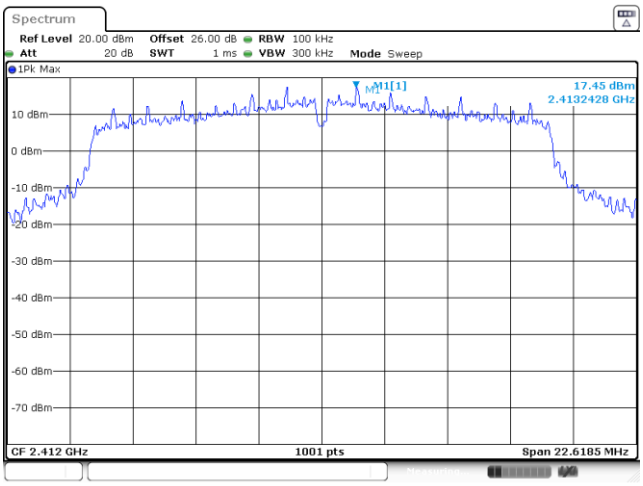
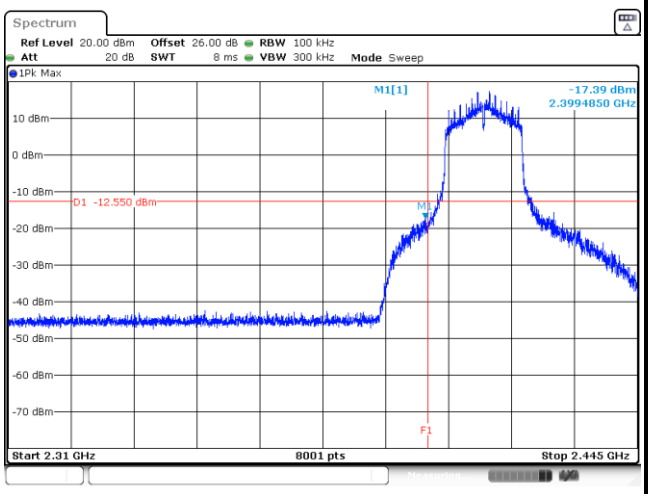
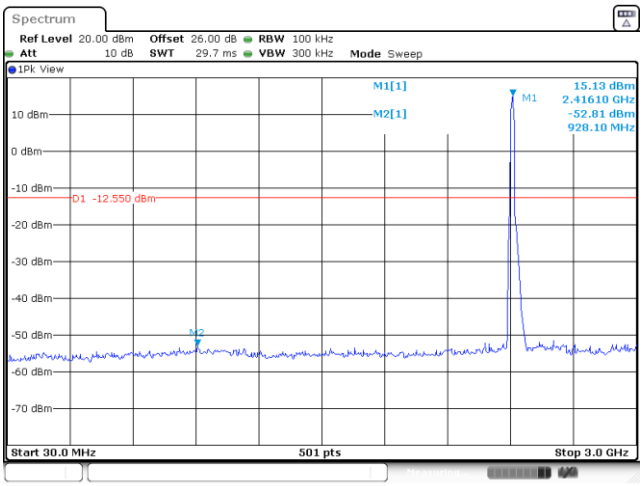
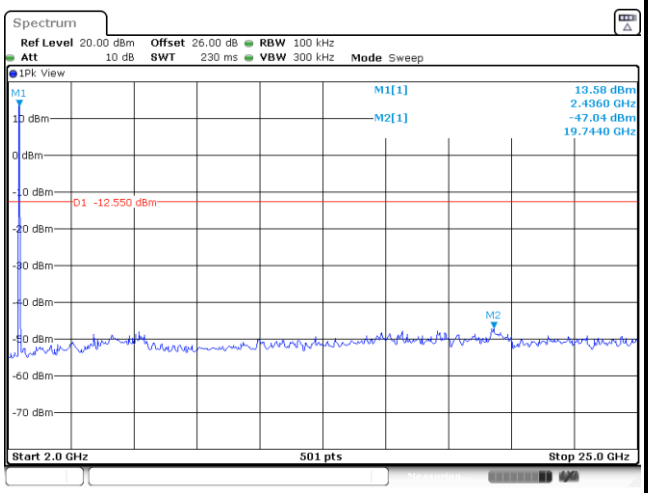
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

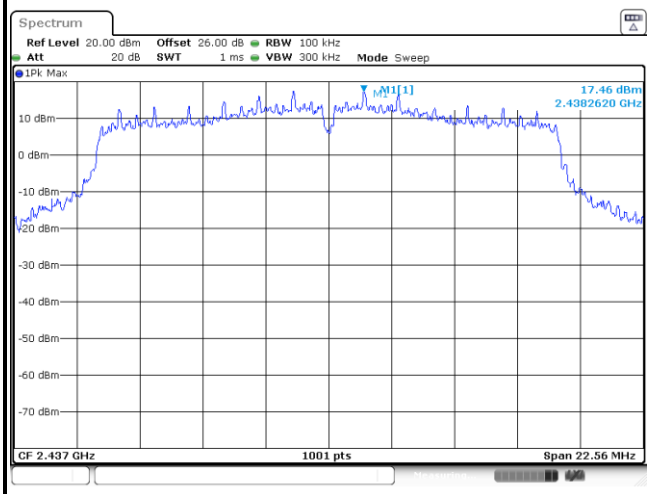
Test Mode :	802.11b	Test Channel :	11

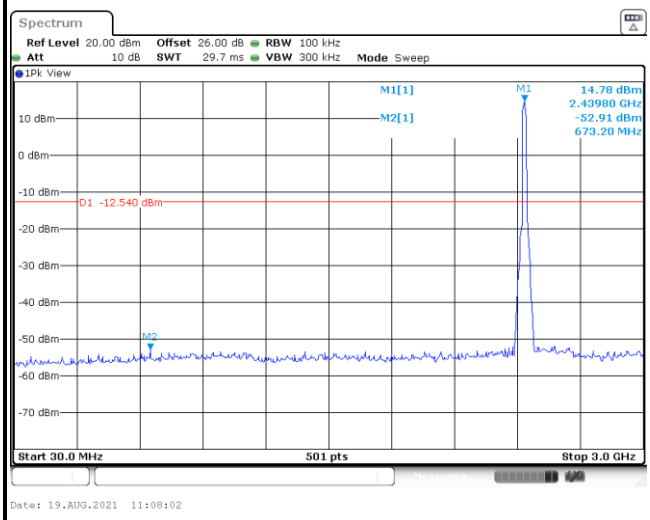
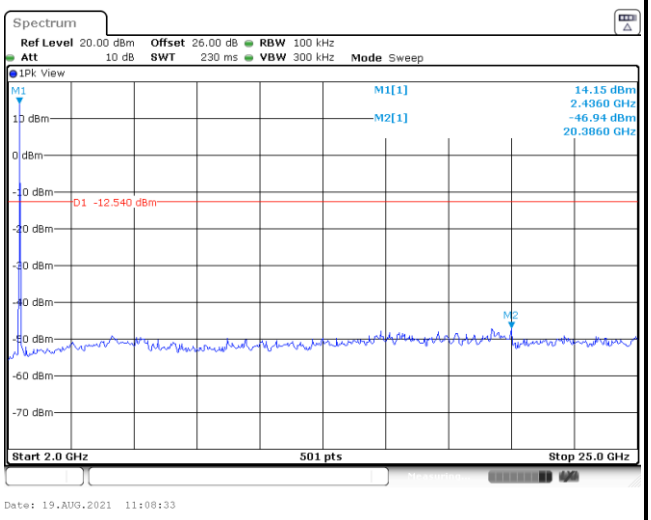
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	01

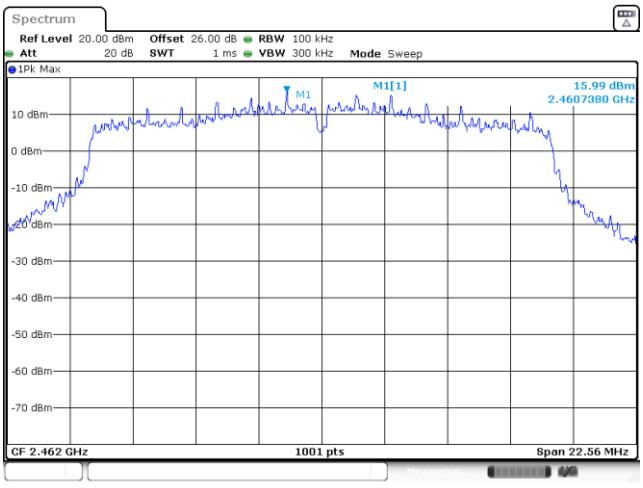
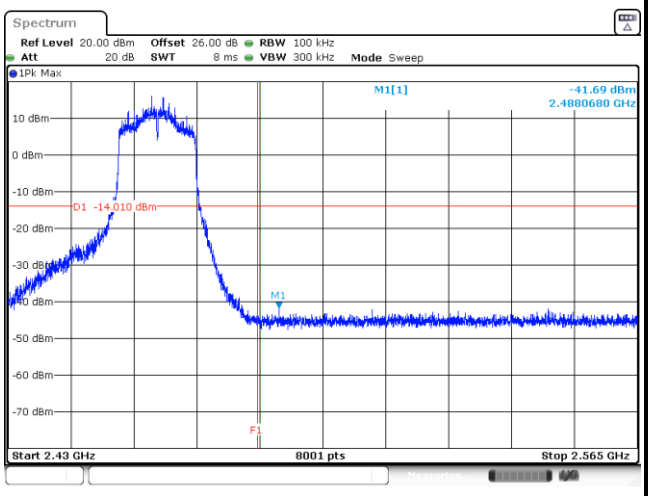
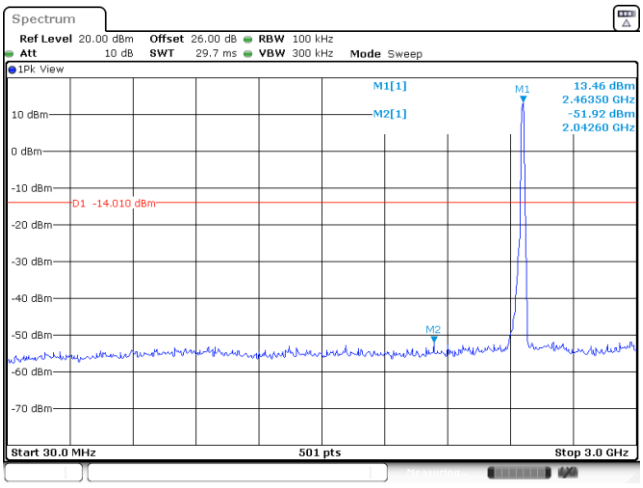
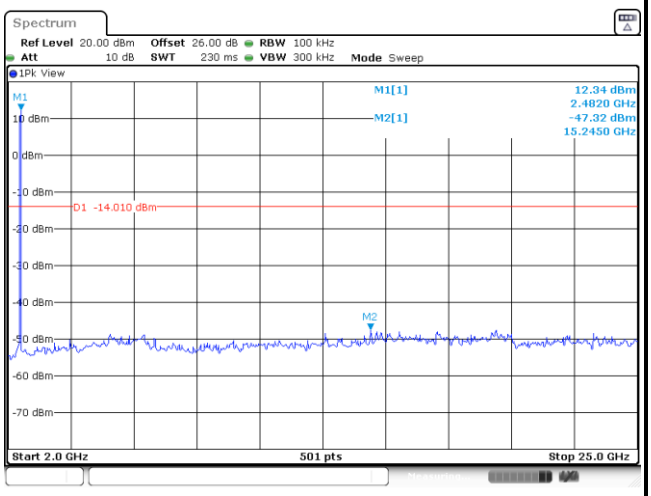
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	06

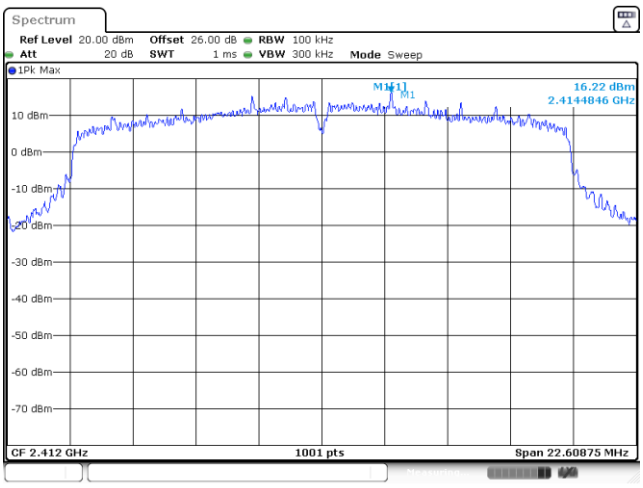
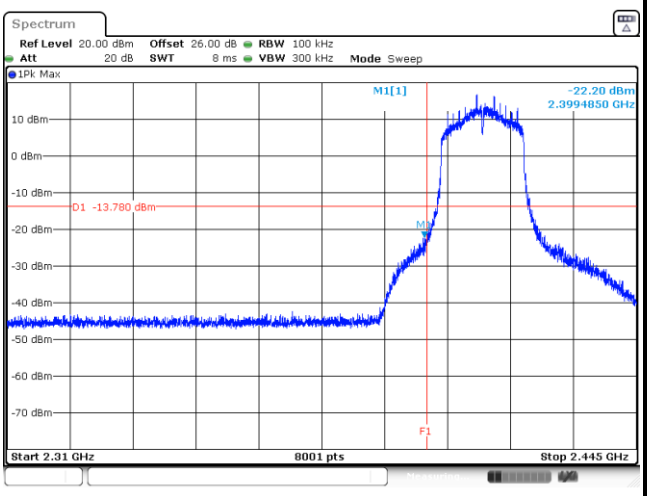
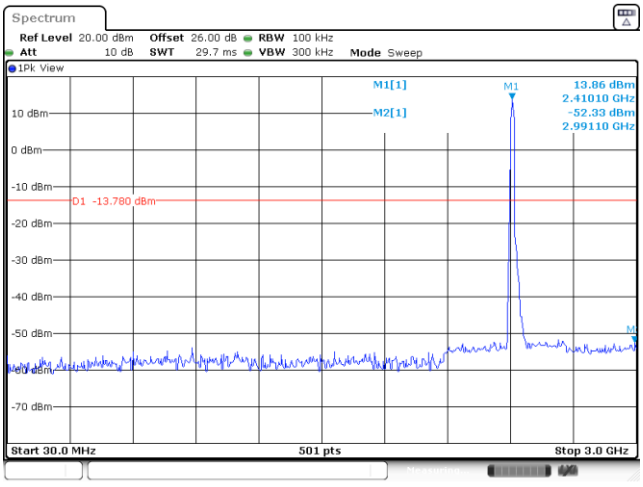
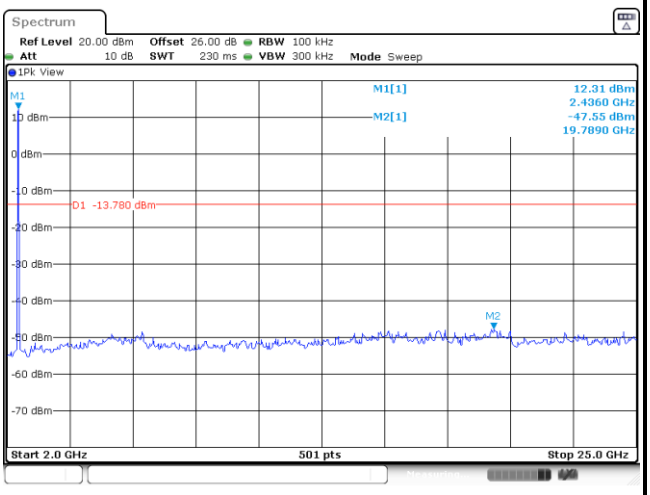
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

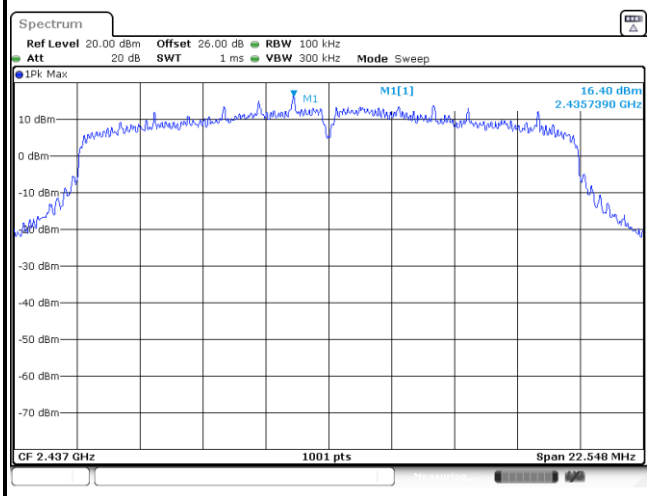
Test Mode :	802.11g	Test Channel :	11

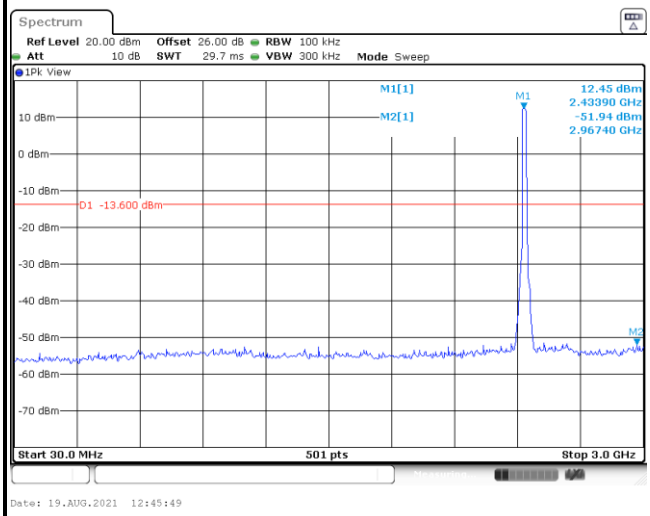
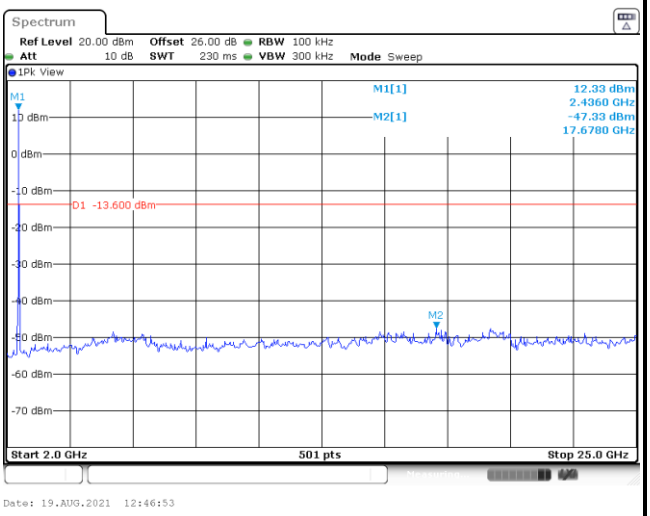
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	01

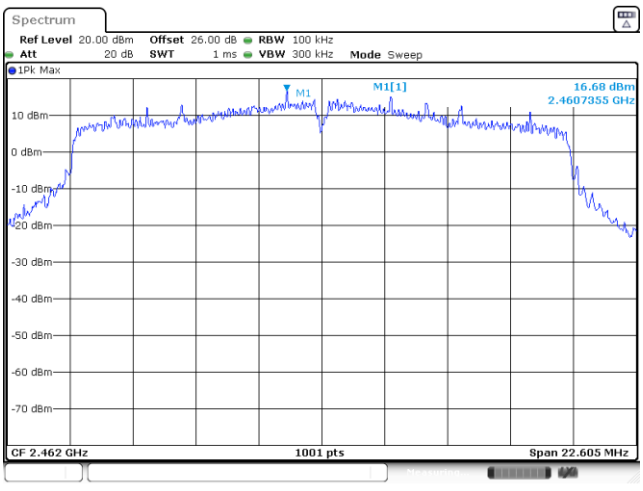
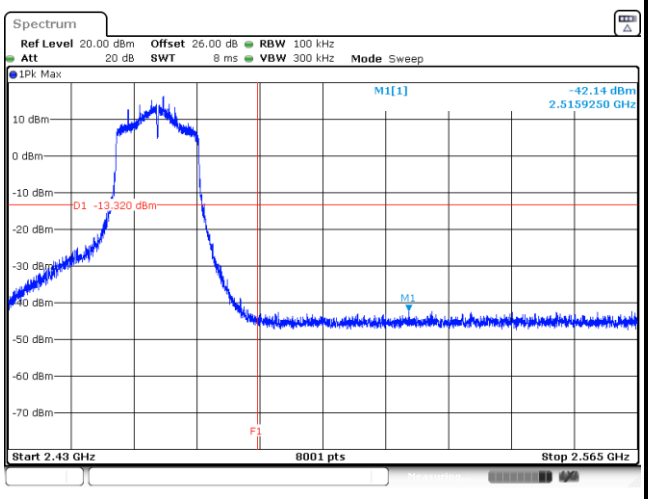
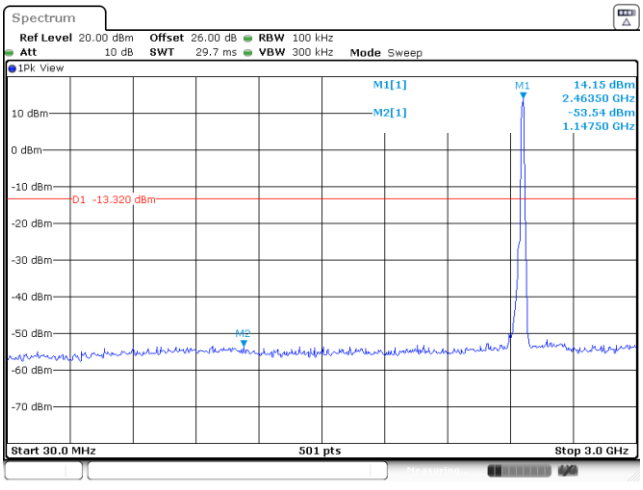
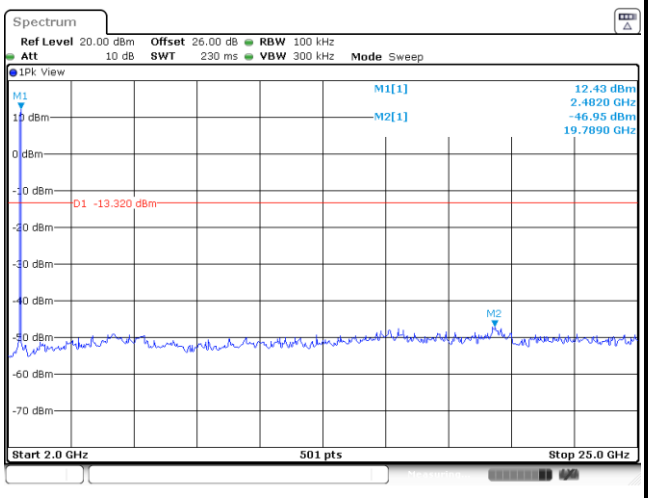
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

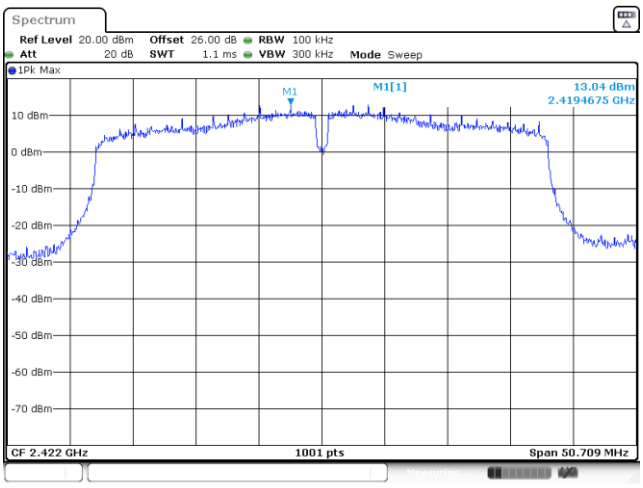
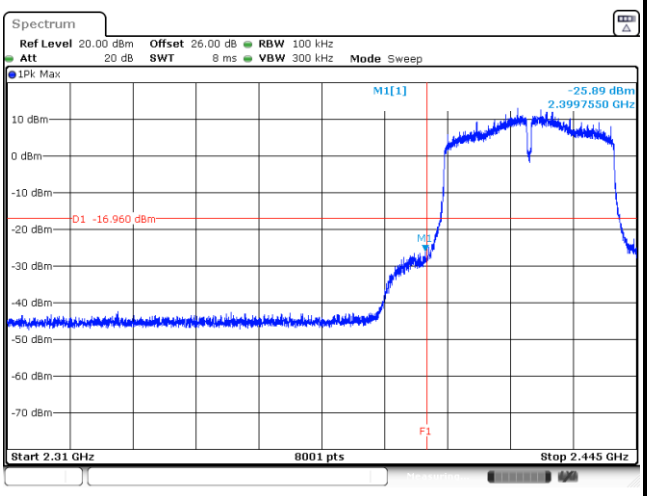
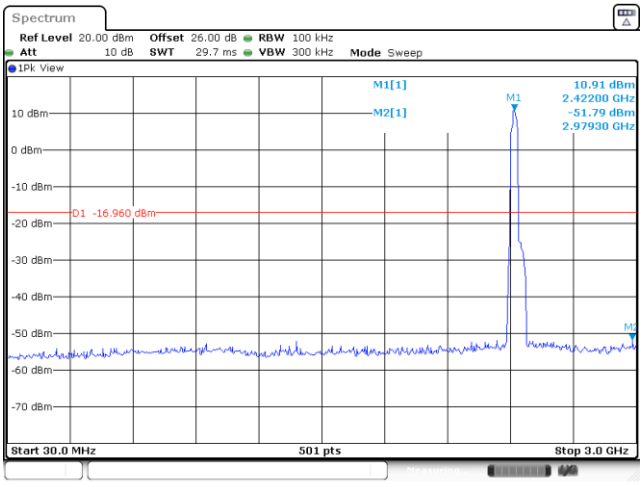
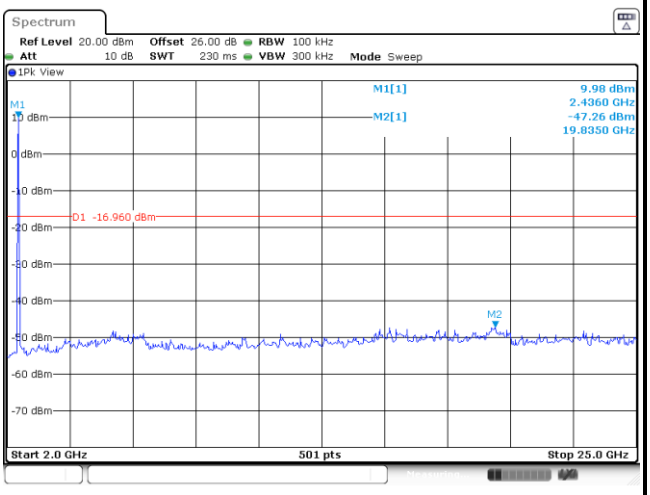
100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

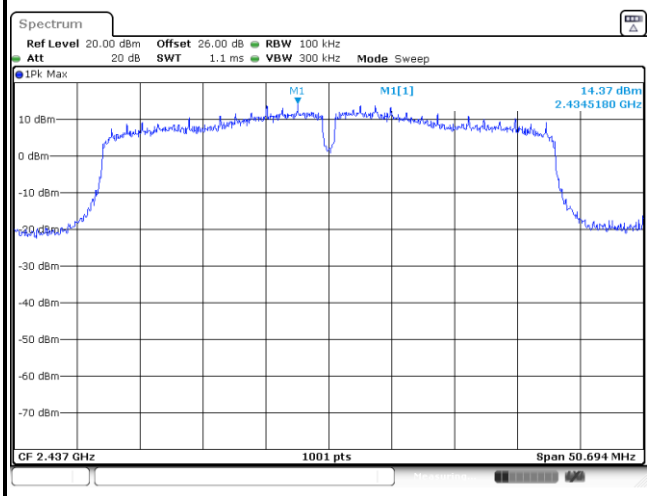
Test Mode :	802.11n HT20	Test Channel :	11

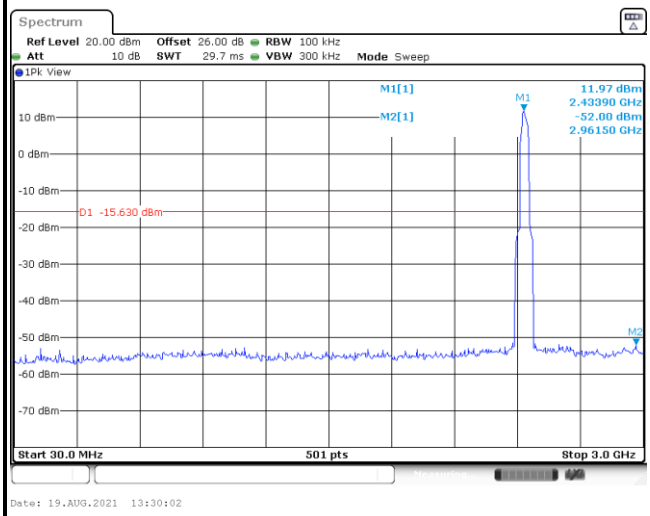
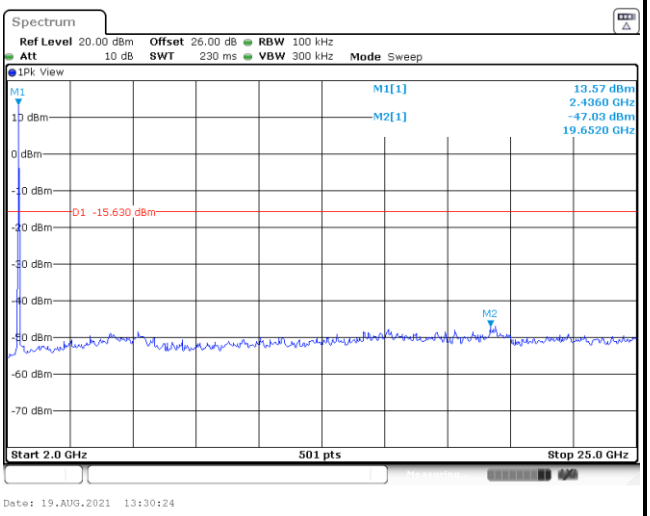
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	03

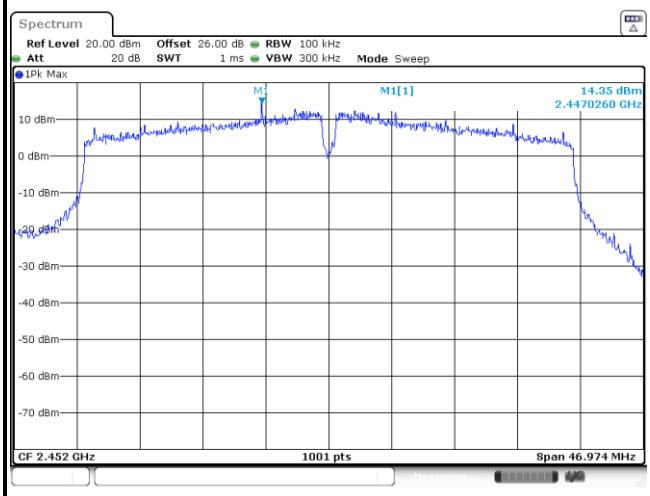
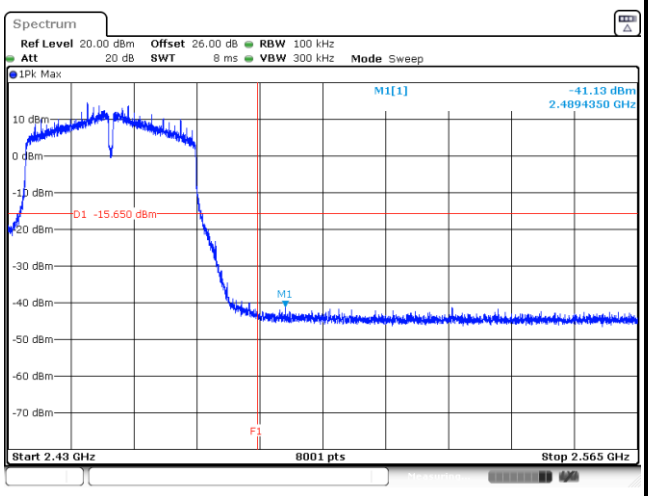
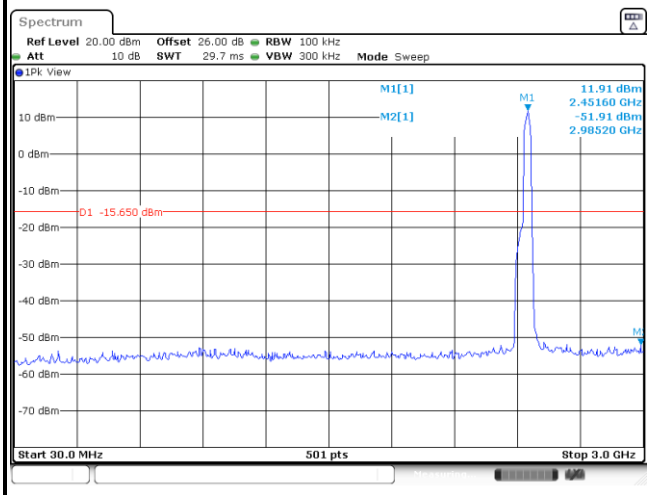
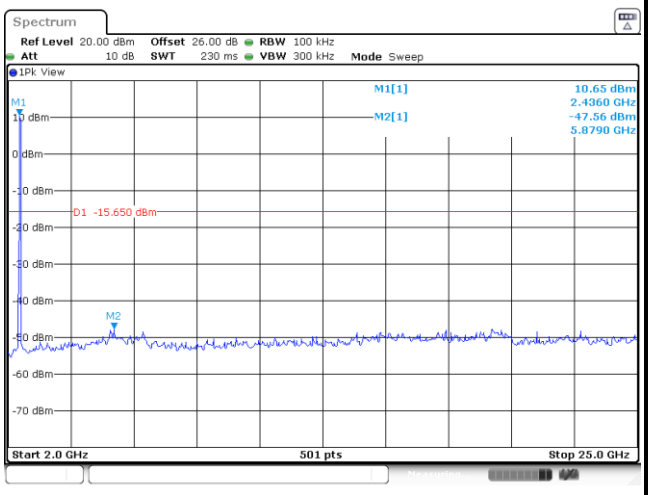
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	Left Blank

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

Test Mode :	802.11n HT40	Test Channel :	09

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands shall comply with the general field strength limits as following table:

Frequency (MHz)	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 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

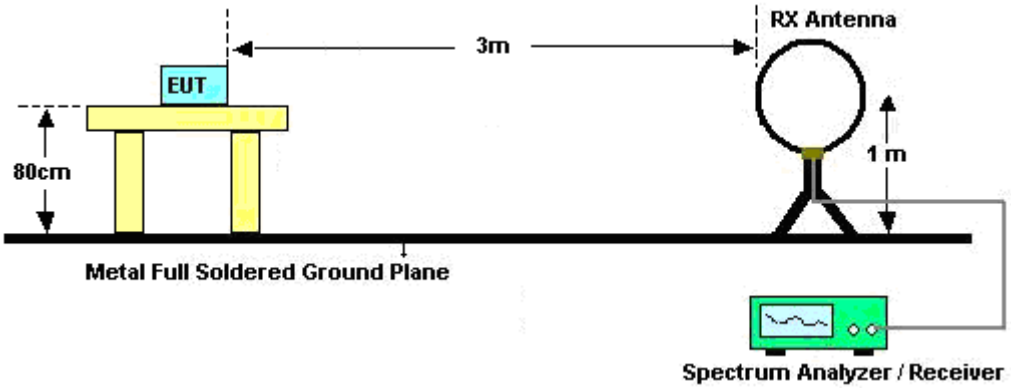
See list of measuring equipment of this test report.

3.5.3 Test Procedures

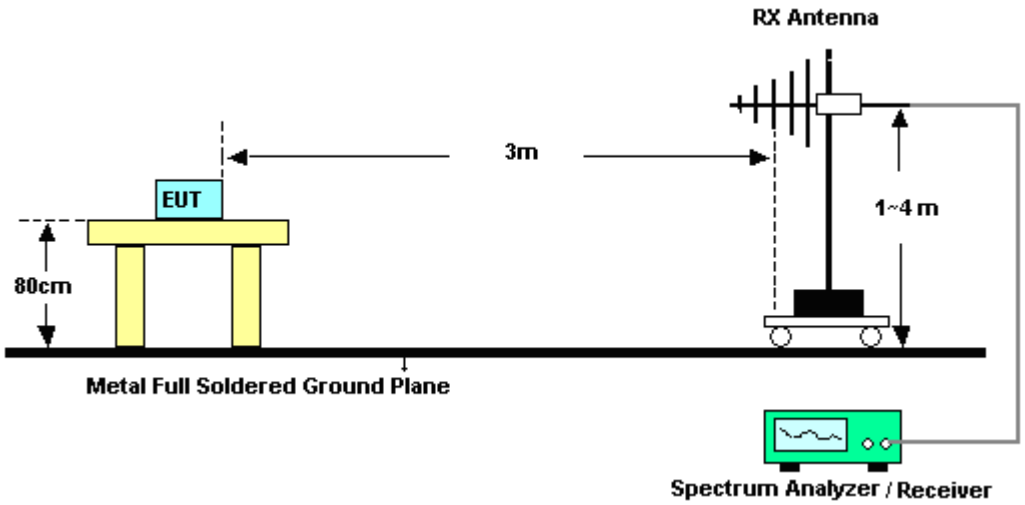
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6dB margin against average limit line, the position is marked as "-".
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW = 100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3 MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 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.

3.5.4 Test Setup

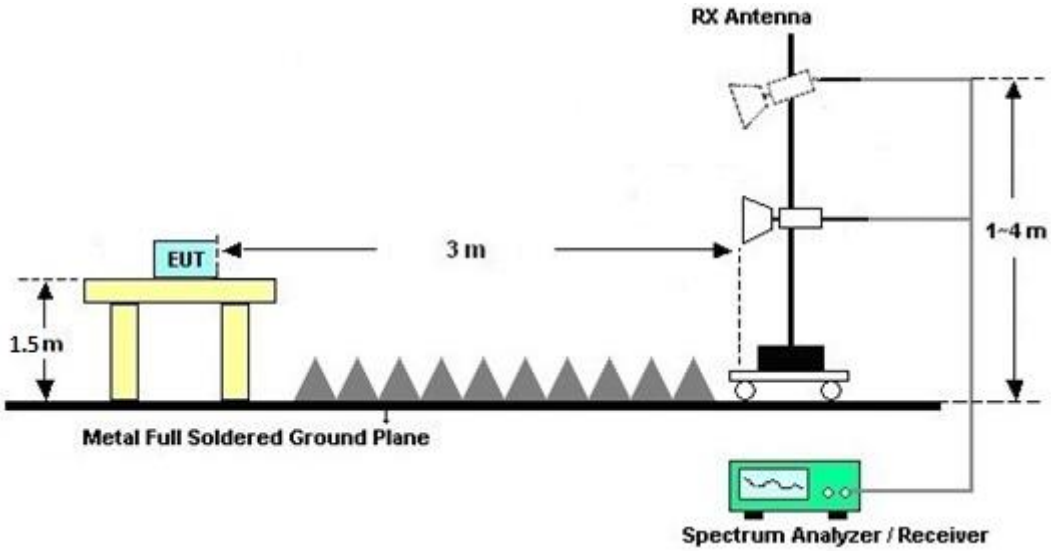
For radiated emissions below 30MHz



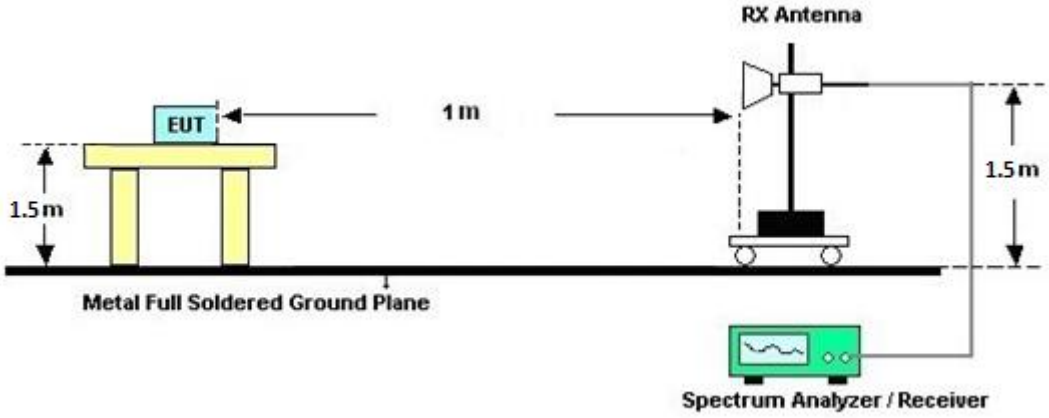
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment 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 or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

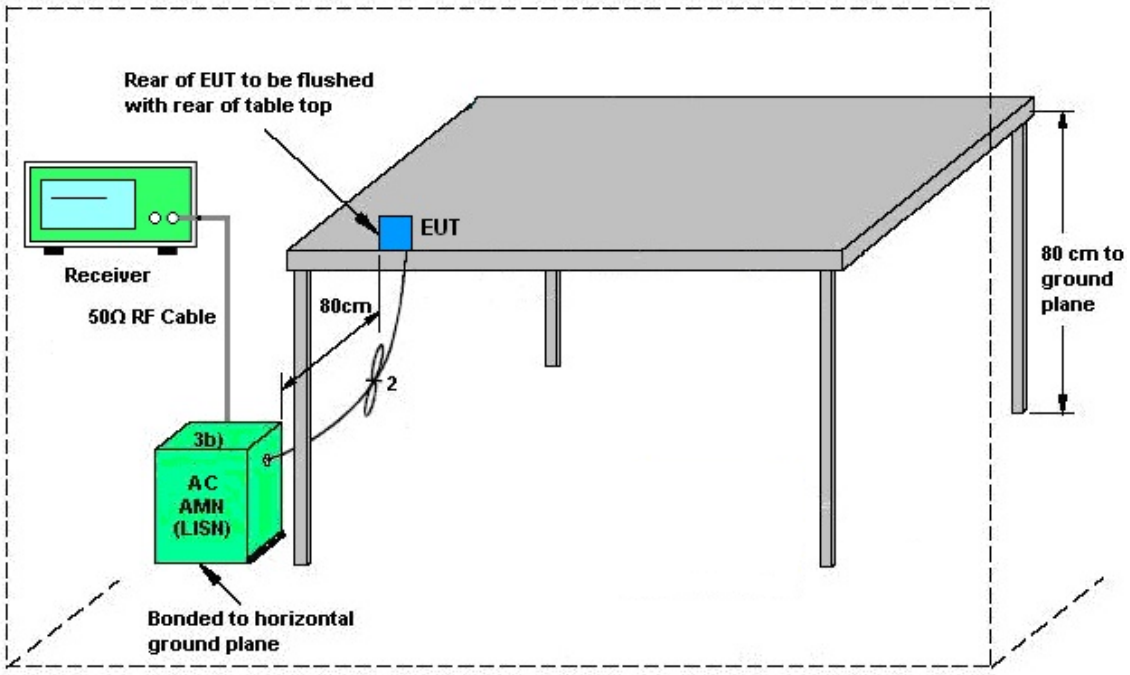
3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6 dBi, the power and power spectral density limit shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. 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 rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

Refer to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

<CDD Modes>

For power measurements on IEEE 802.11 devices,

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

For example: If a device has two antenna, G_{ANT1}= 3.6dBi; G_{ANT2}=4.2dBi

Directional gain of power measurement = max(3.6, 4.2) + 0 = 4.2 dBi

Directional gain of PSD measurement = 10 * log[$(10^{3.6/20} + 10^{4.2/20})^2$ / 2] = 6.92 dBi

The directional gain of EUT is listed in the following table:

<CDD Modes>

	Ant. 6 (dBi)	Ant. 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	4.85	2.88	4.85	6.93	0.00	0.93

Calculation example:

Directional gain of PSD measurement =

10 x log { [10^(4.85dBi/20) + 10^(2.88dBi/20)]^2 / 2 } = 6.93 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	Jun. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jun. 20, 2022	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug. 10, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 09, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Jul. 08, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 07, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Jul. 20, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 19, 2022	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Aug. 09, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 08, 2022	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Jul. 27, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 26, 2022	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	Mar. 30, 2021	Aug. 11, 2021~ Oct. 18, 2021	Mar. 29, 2022	Radiation (03CH02-CA)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055004	1GHz~18GHz	Jul. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 20, 2022	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	60725	18GHz-40GHz	Jul. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 20, 2022	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 05, 2021	Aug. 11, 2021~ Oct. 18, 2021	Mar. 04, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN10	3G Highpass	Jul. 23, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 22, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2G Low Pass	Jul. 23, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 22, 2022	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 04, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 03, 2022	Radiation (03CH02-CA)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Jul. 30. 2021	Aug. 16, 2021~ Oct. 01, 2021	Jul. 29, 2022	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR6W-1901024	10MHz-6GHz	Jul. 13, 2021	Aug. 16, 2021~ Oct. 01, 2021	Jul. 12, 2022	Conducted (TH01-CA)
Switch	EM Electronics	EMSW18	SW1070902	N/A	Aug. 03, 2021	Aug. 16, 2021~ Oct. 01, 2021	Aug. 02, 2022	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	Jun. 01, 2021	Aug. 16, 2021~ Oct. 01, 2021	May 31, 2022	Conducted (TH01-CA)
LISN	TESEQ	NNB51	47407	N/A	Jul. 21, 2021	Aug. 16, 2021~ Oct. 19, 2021	Jul. 20, 2022	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47415	N/A	Jun. 30, 2021	Aug. 16, 2021~ Oct. 19, 2021	Jun. 29, 2022	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9KHz~7GHz	Jun. 02, 2021	Aug. 16, 2021~ Oct. 19, 2021	Jun. 01, 2022	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jul. 07, 2021	Aug. 16, 2021~ Oct. 19, 2021	Jul. 06, 2022	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Aug. 16, 2021~ Oct. 19, 2021	N/A	Conduction (CO01-CA)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0 dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.2 dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.4 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Steve Chen	Temperature:	20.3 ~ 24.0	°C
Test Date:	2021/08/16~2021/10/01	Relative Humidity:	34.1 ~ 45.6	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 6	Ant 3	Ant 6	Ant 3		
11b	1Mbps	2	1	2412	12.84	12.79	6.54	6.04	0.50	Pass
11b	1Mbps	2	6	2437	12.94	12.84	6.56	6.52	0.50	Pass
11b	1Mbps	2	11	2462	12.89	12.74	7.04	7.10	0.50	Pass
11g	6Mbps	2	1	2412	16.23	16.28	13.84	15.08	0.50	Pass
11g	6Mbps	2	6	2437	16.23	16.23	15.04	15.04	0.50	Pass
11g	6Mbps	2	11	2462	16.48	16.33	13.84	15.04	0.50	Pass
HT20	MCS0	2	1	2412	17.33	17.28	13.83	15.07	0.50	Pass
HT20	MCS0	2	6	2437	17.28	17.33	15.02	15.03	0.50	Pass
HT20	MCS0	2	11	2462	17.28	17.33	15.07	15.07	0.50	Pass
HT40	MCS0	2	3	2422	35.46	35.46	32.58	33.81	0.50	Pass
HT40	MCS0	2	6	2437	35.66	35.66	33.80	33.80	0.50	Pass
HT40	MCS0	2	9	2452	35.66	35.56	31.35	31.32	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 6	Ant 3	SUM	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	
11b	1Mbps	2	1	2412	24.80	24.70	27.76	30.00		4.85		32.61		36.00		Pass
11b	1Mbps	2	2	2417	24.30	24.30	27.31	30.00		4.85		32.16		36.00		Pass
11b	1Mbps	2	3	2422	22.00	21.80	24.91	30.00		4.85		29.76		36.00		Pass
11b	1Mbps	2	6	2437	22.30	22.30	25.31	30.00		4.85		30.16		36.00		Pass
11b	1Mbps	2	9	2452	23.80	23.90	26.86	30.00		4.85		31.71		36.00		Pass
11b	1Mbps	2	10	2457	24.30	24.40	27.36	30.00		4.85		32.21		36.00		Pass
11b	1Mbps	2	11	2462	24.40	24.40	27.41	30.00		4.85		32.26		36.00		Pass
11g	6Mbps	2	1	2412	26.80	26.70	29.76	30.00		4.85		34.61		36.00		Pass
11g	6Mbps	2	2	2417	26.70	26.90	29.81	30.00		4.85		34.66		36.00		Pass
11g	6Mbps	2	3	2422	27.00	26.90	29.96	30.00		4.85		34.81		36.00		Pass
11g	6Mbps	2	6	2437	26.60	26.80	29.71	30.00		4.85		34.56		36.00		Pass
11g	6Mbps	2	9	2452	27.00	26.90	29.96	30.00		4.85		34.81		36.00		Pass
11g	6Mbps	2	10	2457	26.90	27.00	29.96	30.00		4.85		34.81		36.00		Pass
11g	6Mbps	2	11	2462	26.80	26.80	29.81	30.00		4.85		34.66		36.00		Pass
HT20	MCS0	2	1	2412	25.80	25.80	28.81	30.00		4.85		33.66		36.00		Pass
HT20	MCS0	2	2	2417	26.10	26.00	29.06	30.00		4.85		33.91		36.00		Pass
HT20	MCS0	2	3	2422	26.10	26.10	29.11	30.00		4.85		33.96		36.00		Pass
HT20	MCS0	2	6	2437	25.30	25.50	28.41	30.00		4.85		33.26		36.00		Pass
HT20	MCS0	2	9	2452	26.10	26.10	29.11	30.00		4.85		33.96		36.00		Pass
HT20	MCS0	2	10	2457	26.20	26.10	29.16	30.00		4.85		34.01		36.00		Pass
HT20	MCS0	2	11	2462	25.70	25.60	28.66	30.00		4.85		33.51		36.00		Pass
HT40	MCS0	2	3	2422	25.80	25.80	28.81	30.00		4.85		33.66		36.00		Pass
HT40	MCS0	2	6	2437	26.60	26.60	29.61	30.00		4.85		34.46		36.00		Pass
HT40	MCS0	2	9	2452	26.00	26.00	29.01	30.00		4.85		33.86		36.00		Pass

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 6	Ant 3	SUM	Ant 6	Ant 3	Ant 6	Ant 3	
11b	1Mbps	2	1	2412	3.53	3.92	6.93	6.93		7.07		Pass
11b	1Mbps	2	2	2417	3.48	3.35	6.49	6.93		7.07		Pass
11b	1Mbps	2	3	2422	3.82	3.25	6.83	6.93		7.07		Pass
11b	1Mbps	2	6	2437	3.34	2.32	6.35	6.93		7.07		Pass
11b	1Mbps	2	9	2452	3.42	3.39	6.43	6.93		7.07		Pass
11b	1Mbps	2	10	2457	3.91	3.65	6.92	6.93		7.07		Pass
11b	1Mbps	2	11	2462	3.73	2.88	6.74	6.93		7.07		Pass
11g	6Mbps	2	1	2412	2.32	1.56	5.33	6.93		7.07		Pass
11g	6Mbps	2	2	2417	2.06	2.34	5.35	6.93		7.07		Pass
11g	6Mbps	2	3	2422	1.81	1.86	4.87	6.93		7.07		Pass
11g	6Mbps	2	6	2437	1.29	2.13	5.14	6.93		7.07		Pass
11g	6Mbps	2	9	2452	1.99	1.51	5.00	6.93		7.07		Pass
11g	6Mbps	2	10	2457	1.75	2.39	5.40	6.93		7.07		Pass
11g	6Mbps	2	11	2462	2.46	2.44	5.47	6.93		7.07		Pass
HT20	MCS0	2	1	2412	2.34	3.97	6.98	6.93		7.07		Pass
HT20	MCS0	2	2	2417	2.91	3.95	6.96	6.93		7.07		Pass
HT20	MCS0	2	3	2422	3.27	3.90	6.91	6.93		7.07		Pass
HT20	MCS0	2	6	2437	3.60	4.04	7.05	6.93		7.07		Pass
HT20	MCS0	2	9	2452	3.83	3.90	6.91	6.93		7.07		Pass
HT20	MCS0	2	10	2457	3.72	3.63	6.73	6.93		7.07		Pass
HT20	MCS0	2	11	2462	3.08	3.92	6.93	6.93		7.07		Pass
HT40	MCS0	2	3	2422	-1.12	-0.54	2.47	6.93		7.07		Pass
HT40	MCS0	2	6	2437	-0.46	-1.05	2.55	6.93		7.07		Pass
HT40	MCS0	2	9	2452	-1.09	-0.90	2.11	6.93		7.07		Pass

Note : PSD Sum = Max PSD(Ant. 6, Ant. 3) + 10 log (2)

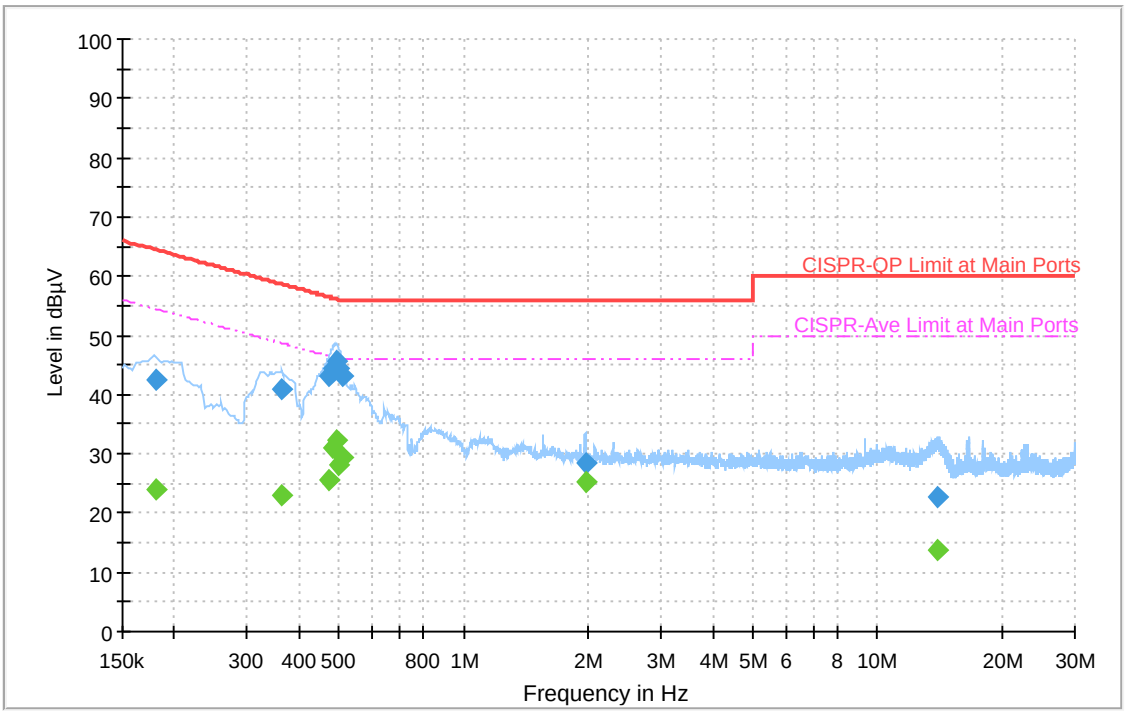
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jordan Huang	**Temperature :**	24~26℃
		Relative Humidity :	43~47%

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1

Full Spectrum



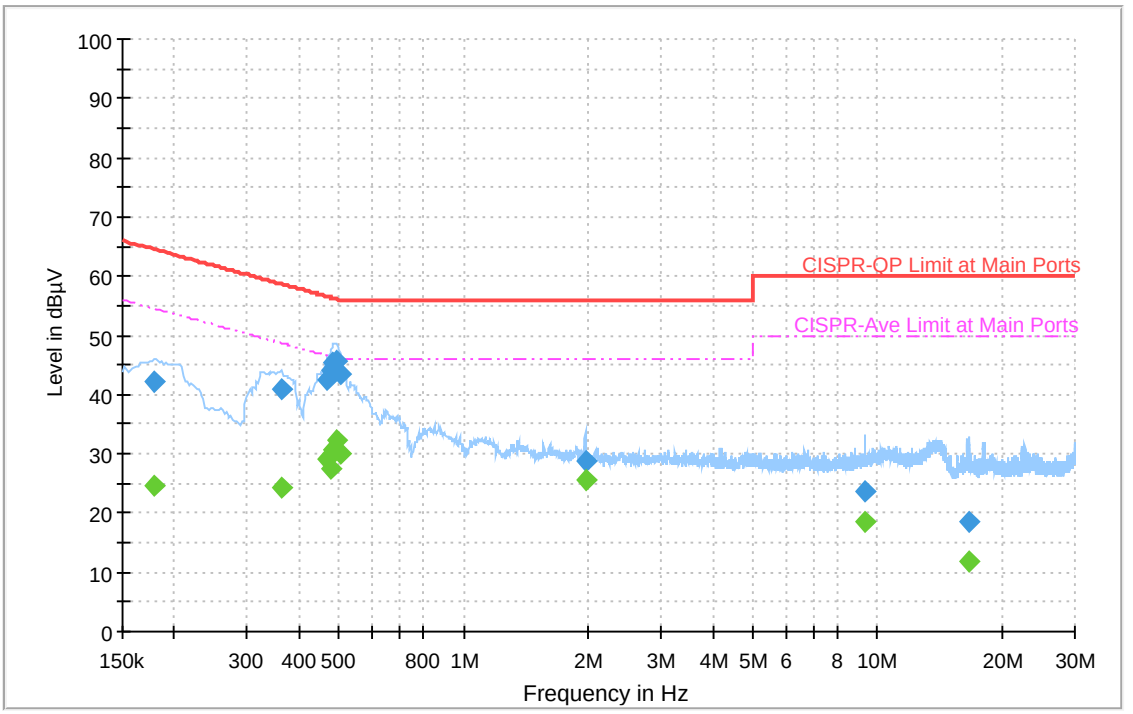
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	23.90	54.42	30.52	L1	OFF	20.3
0.181500	42.44	---	64.42	21.98	L1	OFF	20.3
0.363750	---	22.91	48.64	25.73	L1	OFF	20.3
0.363750	40.88	---	58.64	17.76	L1	OFF	20.3
0.474000	---	25.51	46.44	20.93	L1	OFF	20.3
0.474000	42.99	---	56.44	13.45	L1	OFF	20.3
0.480750	---	31.12	46.33	15.21	L1	OFF	20.3
0.480750	44.35	---	56.33	11.98	L1	OFF	20.3
0.492000	---	32.29	46.13	13.84	L1	OFF	20.3
0.492000	45.65	---	56.13	10.48	L1	OFF	20.3
0.501000	---	28.02	46.00	17.98	L1	OFF	20.3
0.501000	44.53	---	56.00	11.47	L1	OFF	20.3
0.507750	---	29.42	46.00	16.58	L1	OFF	20.3
0.507750	43.27	---	56.00	12.73	L1	OFF	20.3
1.965750	---	25.20	46.00	20.80	L1	OFF	20.3
1.965750	28.42	---	56.00	27.58	L1	OFF	20.3
13.933500	---	13.65	50.00	36.35	L1	OFF	20.5
13.933500	22.72	---	60.00	37.28	L1	OFF	20.5

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	24.53	54.52	29.99	N	OFF	20.2
0.179250	42.25	---	64.52	22.27	N	OFF	20.2
0.361500	---	24.29	48.69	24.40	N	OFF	20.3
0.361500	40.79	---	58.69	17.90	N	OFF	20.3
0.469500	---	29.05	46.52	17.47	N	OFF	20.3
0.469500	42.63	---	56.52	13.89	N	OFF	20.3
0.476250	---	27.58	46.40	18.82	N	OFF	20.3
0.476250	43.99	---	56.40	12.41	N	OFF	20.3
0.485250	---	30.64	46.25	15.61	N	OFF	20.3
0.485250	45.51	---	56.25	10.74	N	OFF	20.3
0.492000	---	32.38	46.13	13.75	N	OFF	20.3
0.492000	45.64	---	56.13	10.49	N	OFF	20.3
0.505500	---	30.04	46.00	15.96	N	OFF	20.3
0.505500	43.46	---	56.00	12.54	N	OFF	20.3
1.965750	---	25.40	46.00	20.60	N	OFF	20.3
1.965750	28.62	---	56.00	27.38	N	OFF	20.3
9.350250	---	18.54	50.00	31.46	N	OFF	20.4
9.350250	23.80	---	60.00	36.20	N	OFF	20.4
16.651500	---	11.90	50.00	38.10	N	OFF	20.5
16.651500	18.62	---	60.00	41.38	N	OFF	20.5

Appendix C. Radiated Spurious Emission

Test Engineer :	Michael Bui and Daniel Lee	Temperature :	20~24°C
		Relative Humidity :	42~48%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2376.885	55.64	-18.36	74	41.63	27.77	17.53	31.29	400	180	P	H
		2318.61	44.89	-9.11	54	30.68	28.11	17.42	31.32	400	180	A	H
	*	2412	124.61	-	-	110.71	27.58	17.59	31.27	400	180	P	H
	*	2412	121.23	-	-	107.33	27.58	17.59	31.27	400	180	A	H
													H
													H
		2387.28	55.49	-18.51	74	41.16	28.06	17.55	31.28	396	163	P	V
		2386.02	44.62	-9.38	54	30.29	28.06	17.55	31.28	396	163	A	V
	*	2412	116.59	-	-	102.41	27.86	17.59	31.27	396	163	P	V
	*	2412	114.11	-	-	99.93	27.86	17.59	31.27	396	163	A	V
													V
													V
802.11b CH 02 2417MHz		2352.24	55.68	-18.32	74	41.56	27.94	17.48	31.3	400	175	P	H
		2326.08	44.9	-9.1	54	30.72	28.07	17.43	31.32	400	175	A	H
	*	2417	124.53	-	-	110.63	27.57	17.6	31.27	400	175	P	H
	*	2417	121.14	-	-	107.24	27.57	17.6	31.27	400	175	A	H
													H
													H
		2366.88	55.07	-18.93	74	40.83	28.03	17.51	31.3	396	163	P	V
		2381.88	44.63	-9.37	54	30.3	28.08	17.54	31.29	396	163	A	V
	*	2417	118.74	-	-	104.6	27.81	17.6	31.27	396	163	P	V
	*	2417	116.1	-	-	101.96	27.81	17.6	31.27	396	163	A	V
													V
													V

802.11b CH 03 2437MHz		2328.36	55.57	-18.43	74	41.39	28.06	17.44	31.32	360	184	P	H
		2310.36	44.8	-9.2	54	30.56	28.15	17.41	31.32	360	184	A	H
	*	2422	123.81	-	-	109.92	27.55	17.61	31.27	360	184	P	H
	*	2422	121.06	-	-	107.17	27.55	17.61	31.27	360	184	A	H
													H
													H
		2373.48	55.35	-18.65	74	41.06	28.06	17.52	31.29	306	111	P	V
		2383.08	44.81	-9.19	54	30.49	28.07	17.54	31.29	306	111	A	V
	*	2422	121.76	-	-	107.65	27.77	17.61	31.27	306	111	P	V
	*	2422	118.77	-	-	104.66	27.77	17.61	31.27	306	111	A	V
													V
													V
802.11b CH 06 2437MHz		2366.42	55.87	-18.13	74	41.82	27.84	17.51	31.3	108	187	P	H
		2344.02	44.92	-9.08	54	30.78	27.98	17.47	31.31	108	187	A	H
	*	2437	124.67	-	-	110.78	27.51	17.64	31.26	108	187	P	H
	*	2437	121.81	-	-	107.92	27.51	17.64	31.26	108	187	A	H
		2494.72	54.98	-19.02	74	40.97	27.48	17.76	31.23	108	187	P	H
		2491.12	44.81	-9.19	54	30.81	27.48	17.75	31.23	108	187	A	H
		2348.5	55.77	-18.23	74	41.67	27.93	17.48	31.31	390	149	P	V
		2379.02	44.63	-9.37	54	30.31	28.08	17.53	31.29	390	149	A	V
	*	2437	118.21	-	-	104.12	27.71	17.64	31.26	390	149	P	V
	*	2437	115.67	-	-	101.58	27.71	17.64	31.26	390	149	A	V
		2491.28	54.96	-19.04	74	40.93	27.51	17.75	31.23	390	149	P	V
		2500	44.39	-9.61	54	30.35	27.5	17.77	31.23	390	149	A	V

802.11b CH 09 2452MHz	*	2452	124.91	-	-	111.01	27.47	17.68	31.25	132	182	P	H
	*	2452	121.39	-	-	107.49	27.47	17.68	31.25	132	182	A	H
		2484.1	55.09	-18.91	74	41.1	27.48	17.75	31.24	132	182	P	H
		2486.55	44.84	-9.16	54	30.85	27.48	17.75	31.24	132	182	A	H
													H
													H
	*	2452	115.62	-	-	101.58	27.61	17.68	31.25	299	157	P	V
	*	2452	113.13	-	-	99.09	27.61	17.68	31.25	299	157	A	V
		2493.95	54.51	-19.49	74	40.46	27.51	17.77	31.23	299	157	P	V
		2499.9	44.37	-9.63	54	30.32	27.5	17.78	31.23	299	157	A	V
													V
													V
802.11b CH 10 2457MHz	*	2457	124.65	-	-	110.74	27.47	17.69	31.25	162	178	P	H
	*	2457	121.56	-	-	107.65	27.47	17.69	31.25	162	178	A	H
		2498.95	55.04	-18.96	74	41.01	27.48	17.78	31.23	162	178	P	H
		2499.15	44.51	-9.49	54	30.48	27.48	17.78	31.23	162	178	A	H
													H
													H
	*	2457	114.7	-	-	100.68	27.58	17.69	31.25	311	238	P	V
	*	2457	112.24	-	-	98.22	27.58	17.69	31.25	311	238	A	V
		2488.2	54.93	-19.07	74	40.89	27.52	17.76	31.24	311	238	P	V
		2483.8	44.51	-9.49	54	30.48	27.52	17.75	31.24	311	238	A	V
													V
													V

802.11b CH 11 2462MHz	*	2462	123.12	-	-	109.2	27.47	17.7	31.25	161	174	P	H
	*	2462	120.54	-	-	106.62	27.47	17.7	31.25	161	174	A	H
		2497.3	55.5	-18.5	74	41.48	27.48	17.77	31.23	161	174	P	H
		2495.9	44.93	-9.07	54	30.91	27.48	17.77	31.23	161	174	A	H
													H
													H
	*	2462	115.93	-	-	101.93	27.55	17.7	31.25	371	170	P	V
	*	2462	113.5	-	-	99.5	27.55	17.7	31.25	371	170	A	V
		2491.6	54.66	-19.34	74	40.62	27.51	17.76	31.23	371	170	P	V
		2490.35	44.33	-9.67	54	30.28	27.52	17.76	31.23	371	170	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	47.23	-26.77	74	72.45	31.45	11.52	68.19	-	-	P	H
		10890	50.19	-23.81	74	61.09	40.31	16.95	68.16	-	-	P	H
		10890	39.52	-14.48	54	50.42	40.31	16.95	68.16	-	-	A	H
		14490	50.79	-23.21	74	56.87	41.76	19.9	67.74	-	-	P	H
		14490	41.43	-12.57	54	47.51	41.76	19.9	67.74	-	-	A	H
		18000	61.19	-12.81	74	59.21	48.43	22.97	69.42	-	-	P	H
		18000	50.32	-3.68	54	48.34	48.43	22.97	69.42	-	-	A	H
													H
													H
													H
													H
													H
													H
		4824	47.45	-26.55	74	72.65	31.47	11.52	68.19	-	-	P	V
		11910	49.59	-24.41	74	60.39	39.17	17.79	67.76	-	-	P	V
		11910	39.54	-14.46	54	50.34	39.17	17.79	67.76	-	-	A	V
		14490	50.88	-23.12	74	57.09	41.63	19.9	67.74	-	-	P	V
		14490	41.34	-12.66	54	47.55	41.63	19.9	67.74	-	-	A	V
		18000	60.85	-13.15	74	59.29	48.01	22.97	69.42	-	-	P	V
		18000	49.91	-4.09	54	48.35	48.01	22.97	69.42	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4834	45.37	-28.63	74	70.58	31.45	11.53	68.19	-	-	P	H
		7251	54.14	-19.86	74	70.85	36.37	13.74	66.82	224	262	P	H
		7251	49.42	-4.58	54	66.13	36.37	13.74	66.82	224	262	A	H
		10920	49.18	-24.82	74	59.99	40.34	16.97	68.12	-	-	P	H
		10920	39.57	-14.43	54	50.38	40.34	16.97	68.12	-	-	A	H
		14490	49.38	-24.62	74	55.46	41.76	19.9	67.74	-	-	P	H
		14490	41.45	-12.55	54	47.53	41.76	19.9	67.74	-	-	A	H
		18000	60.5	-13.5	74	58.52	48.43	22.97	69.42	-	-	P	H
		18000	49.93	-4.07	54	47.95	48.43	22.97	69.42	-	-	A	H
													H
													H
802.11b CH 02 2417MHz													H
		4834	45.42	-28.58	74	70.58	31.5	11.53	68.19	-	-	P	V
		7251	53.16	-20.84	74	69.94	36.3	13.74	66.82	219	93	P	V
		7251	48.17	-5.83	54	64.95	36.3	13.74	66.82	219	93	A	V
		10830	49.27	-24.73	74	60.5	40.11	16.9	68.24	-	-	P	V
		10830	38.5	-15.5	54	49.73	40.11	16.9	68.24	-	-	A	V
		14490	50.09	-23.91	74	56.3	41.63	19.9	67.74	-	-	P	V
		14490	41.34	-12.66	54	47.55	41.63	19.9	67.74	-	-	A	V
		18000	60.02	-13.98	74	58.46	48.01	22.97	69.42	-	-	P	V
		18000	49.47	-4.53	54	47.91	48.01	22.97	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4844	46.75	-27.25	74	71.92	31.46	11.55	68.18	-	-	P	H
		7266	53.84	-20.16	74	70.52	36.38	13.76	66.82	268	241	P	H
		7266	49.41	-4.59	54	66.09	36.38	13.76	66.82	268	241	A	H
		11265	49.37	-24.63	74	60.09	39.82	17.25	67.79	-	-	P	H
		11265	39.62	-14.38	54	50.34	39.82	17.25	67.79	-	-	A	H
		14490	50.16	-23.84	74	56.24	41.76	19.9	67.74	-	-	P	H
		14490	41.47	-12.53	54	47.55	41.76	19.9	67.74	-	-	A	H
		18000	60.08	-13.92	74	58.1	48.43	22.97	69.42	-	-	P	H
		18000	49.76	-4.24	54	47.78	48.43	22.97	69.42	-	-	A	H
													H
													H
802.11b													H
CH 03		4844	47.87	-26.13	74	72.97	31.53	11.55	68.18	-	-	P	V
2422MHz		7266	53.27	-20.73	74	70.01	36.32	13.76	66.82	208	86	P	V
		7266	48.83	-5.17	54	65.57	36.32	13.76	66.82	208	86	A	V
		11670	49.86	-24.14	74	60.2	39.74	17.58	67.66	-	-	P	V
		11670	39.28	-14.72	54	49.62	39.74	17.58	67.66	-	-	A	V
		14490	49.59	-24.41	74	55.8	41.63	19.9	67.74	-	-	P	V
		14490	41.35	-12.65	54	47.56	41.63	19.9	67.74	-	-	A	V
		18000	59.86	-14.14	74	58.3	48.01	22.97	69.42	-	-	P	V
		18000	49.31	-4.69	54	47.75	48.01	22.97	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4874	51.11	-22.89	74	76.21	31.45	11.61	68.16	251	162	P	H
		4874	48.95	-5.05	54	74.05	31.45	11.61	68.16	251	162	A	H
		7311	54.45	-19.55	74	71.06	36.4	13.81	66.82	220	259	P	H
		7311	49.91	-4.09	54	66.52	36.4	13.81	66.82	220	259	A	H
		10845	50.45	-23.55	74	61.6	40.16	16.91	68.22	-	-	P	H
		10845	39.49	-14.51	54	50.64	40.16	16.91	68.22	-	-	A	H
		14490	51.78	-22.22	74	57.86	41.76	19.9	67.74	-	-	P	H
		14490	41.47	-12.53	54	47.55	41.76	19.9	67.74	-	-	A	H
		18000	60.99	-13.01	74	59.01	48.43	22.97	69.42	-	-	P	H
		18000	49.86	-4.14	54	47.88	48.43	22.97	69.42	-	-	A	H
													H
802.11b CH 06 2437MHz													H
		4874	52.52	-21.48	74	77.54	31.53	11.61	68.16	109	246	P	V
		4874	50.38	-3.62	54	75.4	31.53	11.61	68.16	109	246	A	V
		7311	53.81	-20.19	74	70.47	36.35	13.81	66.82	205	86	P	V
		7311	48.97	-5.03	54	65.63	36.35	13.81	66.82	205	86	A	V
		11430	49.79	-24.21	74	59.9	40.15	17.39	67.65	-	-	P	V
		11430	40.51	-13.49	54	50.62	40.15	17.39	67.65	-	-	A	V
		14490	51.01	-22.99	74	57.22	41.63	19.9	67.74	-	-	P	V
		14490	41.32	-12.68	54	47.53	41.63	19.9	67.74	-	-	A	V
		18000	59.96	-14.04	74	58.4	48.01	22.97	69.42	-	-	P	V
		18000	49.47	-4.53	54	47.91	48.01	22.97	69.42	-	-	A	V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4904	46.54	-27.46	74	71.61	31.43	11.64	68.14	-	-	P	H
		7356	57.58	-16.42	74	74.13	36.45	13.83	66.83	223	259	P	H
		7356	53.67	-0.33	54	70.22	36.45	13.83	66.83	223	259	A	H
		11055	49.31	-24.69	74	60.01	40.2	17.07	67.97	-	-	P	H
		11055	39.72	-14.28	54	50.42	40.2	17.07	67.97	-	-	A	H
		14490	49.16	-24.84	74	55.24	41.76	19.9	67.74	-	-	P	H
		14490	41.51	-12.49	54	47.59	41.76	19.9	67.74	-	-	A	H
		18000	60.85	-13.15	74	58.87	48.43	22.97	69.42	-	-	P	H
		18000	49.99	-4.01	54	48.01	48.43	22.97	69.42	-	-	A	H
													H
													H
802.11b CH 09 2452MHz													H
		4904	47.7	-26.3	74	72.69	31.51	11.64	68.14	-	-	P	V
		7356	56.35	-17.65	74	73.01	36.34	13.83	66.83	211	89	P	V
		7356	52.16	-1.84	54	68.82	36.34	13.83	66.83	211	89	A	V
		11370	49.73	-24.27	74	60.1	39.99	17.34	67.7	-	-	P	V
		11370	39.46	-14.54	54	49.83	39.99	17.34	67.7	-	-	A	V
		14490	49.86	-24.14	74	56.07	41.63	19.9	67.74	-	-	P	V
		14490	41.36	-12.64	54	47.57	41.63	19.9	67.74	-	-	A	V
		18000	60.78	-13.22	74	59.22	48.01	22.97	69.42	-	-	P	V
		18000	49.55	-4.45	54	47.99	48.01	22.97	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4914	44.15	-29.85	74	69.22	31.45	11.61	68.13	-	-	P	H
		7371	57.26	-16.74	74	73.78	36.48	13.83	66.83	216	266	P	H
		7371	53.52	-0.48	54	70.04	36.48	13.83	66.83	216	266	A	H
		11445	49.01	-24.99	74	59.1	40.15	17.4	67.64	-	-	P	H
		11445	39.74	-14.26	54	49.83	40.15	17.4	67.64	-	-	A	H
		14490	50.32	-23.68	74	56.4	41.76	19.9	67.74	-	-	P	H
		14490	41.48	-12.52	54	47.56	41.76	19.9	67.74	-	-	A	H
		18000	60.64	-13.36	74	58.66	48.43	22.97	69.42	-	-	P	H
		18000	49.98	-4.02	54	48	48.43	22.97	69.42	-	-	A	H
													H
													H
802.11b CH 10 2457MHz													H
		4914	47.16	-26.84	74	72.18	31.5	11.61	68.13	-	-	P	V
		7371	55.69	-18.31	74	72.34	36.35	13.83	66.83	211	87	P	V
		7371	51.73	-2.27	54	68.38	36.35	13.83	66.83	211	87	A	V
		11025	49.59	-24.41	74	60.3	40.24	17.05	68	-	-	P	V
		11025	39.72	-14.28	54	50.43	40.24	17.05	68	-	-	A	V
		14490	49.8	-24.2	74	56.01	41.63	19.9	67.74	-	-	P	V
		14490	41.34	-12.66	54	47.55	41.63	19.9	67.74	-	-	A	V
		18000	59.65	-14.35	74	58.09	48.01	22.97	69.42	-	-	P	V
		18000	49.52	-4.48	54	47.96	48.01	22.97	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4924	42.15	-31.85	74	67.24	31.46	11.57	68.12	-	-	P	H
		7386	56.75	-17.25	74	73.22	36.52	13.84	66.83	299	247	P	H
		7386	52.41	-1.59	54	68.88	36.52	13.84	66.83	299	247	A	H
		10920	49.28	-24.72	74	60.09	40.34	16.97	68.12	-	-	P	H
		10920	39	-15	54	49.81	40.34	16.97	68.12	-	-	A	H
		14490	50.28	-23.72	74	56.36	41.76	19.9	67.74	-	-	P	H
		14490	41.48	-12.52	54	47.56	41.76	19.9	67.74	-	-	A	H
		18000	60.99	-13.01	74	59.01	48.43	22.97	69.42	-	-	P	H
		18000	50.26	-3.74	54	48.28	48.43	22.97	69.42	-	-	A	H
													H
													H
802.11b													H
CH 11		4924	44.69	-29.31	74	69.76	31.48	11.57	68.12	-	-	P	V
2462MHz		7386	55.9	-18.1	74	72.53	36.36	13.84	66.83	218	83	P	V
		7386	51.76	-2.24	54	68.39	36.36	13.84	66.83	218	83	A	V
		11340	49.62	-24.38	74	60.09	39.94	17.32	67.73	-	-	P	V
		11340	39.45	-14.55	54	49.92	39.94	17.32	67.73	-	-	A	V
		14490	49.74	-24.26	74	55.95	41.63	19.9	67.74	-	-	P	V
		14490	41.38	-12.62	54	47.59	41.63	19.9	67.74	-	-	A	V
		18000	60.23	-13.77	74	58.67	48.01	22.97	69.42	-	-	P	V
		18000	49.85	-4.15	54	48.29	48.01	22.97	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 6+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.065	60.25	-13.75	74	46.29	27.69	17.55	31.28	245	172	P	H
		2390	51.94	-2.06	54	37.98	27.69	17.55	31.28	245	172	A	H
	*	2412	126.39	-	-	112.49	27.58	17.59	31.27	245	172	P	H
	*	2412	119.83	-	-	105.93	27.58	17.59	31.27	245	172	A	H
													H
													H
		2390	58.62	-15.38	74	44.31	28.04	17.55	31.28	396	165	P	V
		2390	47.42	-6.58	54	33.11	28.04	17.55	31.28	396	165	A	V
	*	2412	120.86	-	-	106.68	27.86	17.59	31.27	396	165	P	V
	*	2412	113.58	-	-	99.4	27.86	17.59	31.27	396	165	A	V
													V
													V
802.11g CH 02 2417MHz		2389.44	57.36	-16.64	74	43.4	27.69	17.55	31.28	245	177	P	H
		2390	48.68	-5.32	54	34.72	27.69	17.55	31.28	245	177	A	H
	*	2417	125.48	-	-	111.58	27.57	17.6	31.27	245	177	P	H
	*	2417	119.62	-	-	105.72	27.57	17.6	31.27	245	177	A	H
													H
													H
		2366.64	54.99	-19.01	74	40.76	28.02	17.51	31.3	397	160	P	V
		2390	45.73	-8.27	54	31.42	28.04	17.55	31.28	397	160	A	V
	*	2417	121.24	-	-	107.1	27.81	17.6	31.27	397	160	P	V
	*	2417	113.94	-	-	99.8	27.81	17.6	31.27	397	160	A	V
													V
													V

802.11g CH 03 2422MHz		2321.04	55.53	-18.47	74	41.32	28.1	17.43	31.32	249	176	P	H
		2390	46.11	-7.89	54	32.15	27.69	17.55	31.28	249	176	A	H
	*	2422	126.36	-	-	112.47	27.55	17.61	31.27	249	176	P	H
	*	2422	119.68	-	-	105.79	27.55	17.61	31.27	249	176	A	H
													H
													H
		2389.68	55.78	-18.22	74	41.46	28.05	17.55	31.28	395	162	P	V
		2389.92	45.36	-8.64	54	31.05	28.04	17.55	31.28	395	162	A	V
	*	2422	120.23	-	-	106.12	27.77	17.61	31.27	395	162	P	V
	*	2422	113.42	-	-	99.31	27.77	17.61	31.27	395	162	A	V
													V
													V
802.11g CH 06 2437MHz		2363.44	55.61	-18.39	74	41.54	27.86	17.51	31.3	108	175	P	H
		2344.24	45.88	-8.12	54	31.74	27.98	17.47	31.31	108	175	A	H
	*	2437	126.29	-	-	112.4	27.51	17.64	31.26	108	175	P	H
	*	2437	119.91	-	-	106.02	27.51	17.64	31.26	108	175	A	H
		2493.84	55.45	-18.55	74	41.43	27.48	17.77	31.23	108	175	P	H
		2496.56	45.67	-8.33	54	31.65	27.48	17.77	31.23	108	175	A	H
		2361.36	56.12	-17.88	74	41.92	28	17.5	31.3	388	158	P	V
		2389.36	45.71	-8.29	54	31.39	28.05	17.55	31.28	388	158	A	V
	*	2437	121.57	-	-	107.48	27.71	17.64	31.26	388	158	P	V
	*	2437	114.2	-	-	100.11	27.71	17.64	31.26	388	158	A	V
		2494.08	55.08	-18.92	74	41.03	27.51	17.77	31.23	388	158	P	V
		2497.28	45.23	-8.77	54	31.18	27.51	17.77	31.23	388	158	A	V

802.11g CH 09 2452MHz	*	2452	125.94	-	-	112.04	27.47	17.68	31.25	100	174	P	H
	*	2452	119.7	-	-	105.8	27.47	17.68	31.25	100	174	A	H
		2490.76	55.35	-18.65	74	41.34	27.48	17.76	31.23	100	174	P	H
		2492.23	45.87	-8.13	54	31.86	27.48	17.76	31.23	100	174	A	H
													H
													H
	*	2452	120.8	-	-	106.76	27.61	17.68	31.25	380	152	P	V
	*	2452	113.74	-	-	99.7	27.61	17.68	31.25	380	152	A	V
		2490.69	54.72	-19.28	74	40.68	27.51	17.76	31.23	380	152	P	V
		2497.97	45.16	-8.84	54	31.1	27.51	17.78	31.23	380	152	A	V
													V
													V
802.11g CH 10 2457MHz	*	2457	126.24	-	-	112.33	27.47	17.69	31.25	100	186	P	H
	*	2457	119.6	-	-	105.69	27.47	17.69	31.25	100	186	A	H
		2483.55	56.56	-17.44	74	42.57	27.48	17.75	31.24	100	186	P	H
		2490.34	46.42	-7.58	54	32.41	27.48	17.76	31.23	100	186	A	H
													H
													H
	*	2457	120.6	-	-	106.58	27.58	17.69	31.25	380	149	P	V
	*	2457	113.79	-	-	99.77	27.58	17.69	31.25	380	149	A	V
		2491.6	56.24	-17.76	74	42.2	27.51	17.76	31.23	380	149	P	V
		2491.18	45.21	-8.79	54	31.17	27.51	17.76	31.23	380	149	A	V
													V
													V

802.11g CH 11 2462MHz	*	2462	124.39	-	-	110.47	27.47	17.7	31.25	378	187	P	H
	*	2462	117.31	-	-	103.39	27.47	17.7	31.25	378	187	A	H
		2486.32	57.51	-16.49	74	43.52	27.48	17.75	31.24	378	187	P	H
		2485.76	47.46	-6.54	54	33.47	27.48	17.75	31.24	378	187	A	H
													H
													H
	*	2462	124.64	-	-	110.64	27.55	17.7	31.25	335	106	P	V
	*	2462	117.71	-	-	103.71	27.55	17.7	31.25	335	106	A	V
		2483.68	59.1	-14.9	74	45.07	27.52	17.75	31.24	335	106	P	V
		2483.52	49.57	-4.43	54	35.54	27.52	17.75	31.24	335	106	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												