FCC RADIO TEST REPORT

FCC ID	:	**2AF77-H2261820**
Equipment	:	**Wired Floodlight Camera**
Brand Name	:	**blink**
Model Name	:	**BFM00100U** **BFM00100UW**
Applicant	:	**Immedia Semiconductor LLC.** **100 Riverpark Drive Suite 125, North Reading, MA, United States 01864**
Manufacturer	:	**Immedia Semiconductor LLC.** **100 Riverpark Drive Suite 125, North Reading, MA, United States 01864**
Standard	:	**FCC Part 15 Subpart C §15.247**

The product was received on Oct. 05, 2022 and testing was performed from Oct. 05, 2022 to Nov. 10, 2022. We, Sporton International Inc. Wensan Laboratory, 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 from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR2O0303	01	Initial issue of report	Nov. 23, 2022
FR2O0303	02	Revise Comments and Explanations	Nov. 28, 2022

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	3.04 dB under the limit at 2389.920 MHz
3.6	15.207	AC Conducted Emission	Pass	8.45 dB under the limit at 0.407 MHz
3.7	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

1. The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The two model names have the same PCB layout, antenna, conducted power, the difference is the device exterior color.

Reviewed by: Keven Cheng

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Wi-Fi 2.4GHz 802.11b/g/n

Product Feature	
Antenna Type	Inverted F

Antenna information		
2412 MHz ~ 2484 MHz	Peak Gain (dBi)	2.8

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. All the tests were performed with BFM00100UW.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH20-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by 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 15.247 Meas Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied 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). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

The final test modes include the worst data rates for each modulation shown in the table below.

Single Antenna

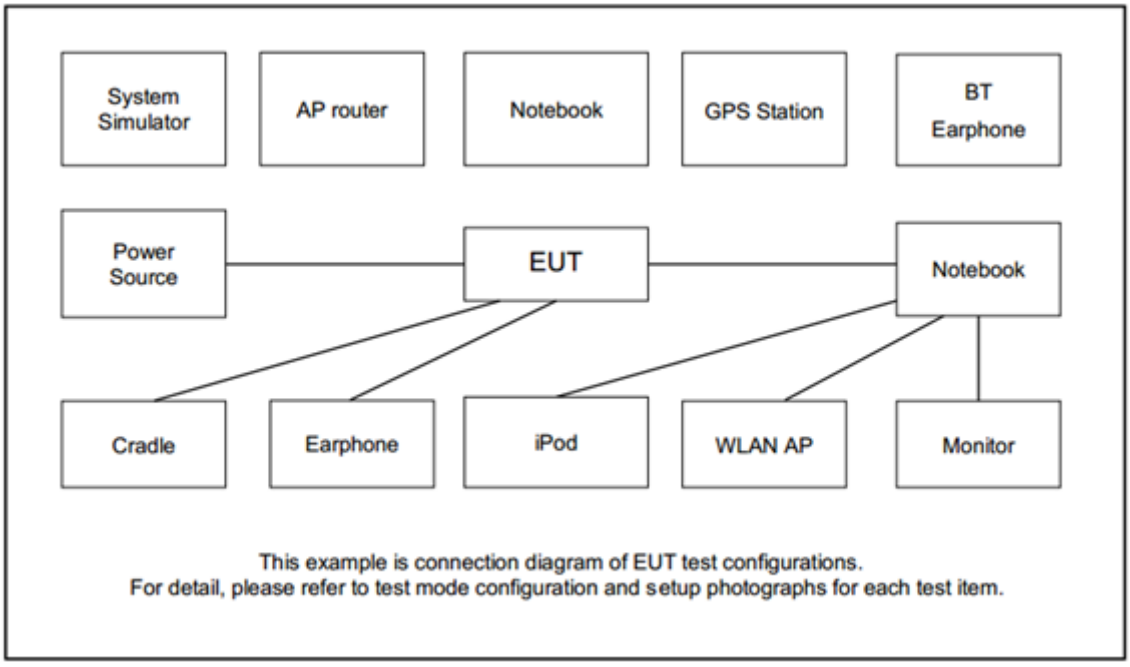
Modulation	Data Rate
802.11b	**1 Mbps**
802.11g	**6 Mbps**
802.11n HT20	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (2.4GHz) Link + IR on + Speaker on + camera on + LED on + PIR on

Ch. #	2412-2484 MHz		
	802.11b	802.11g	802.11n HT20
Low	01	01	01
		02	02
Middle	06	06	03
			06
High	11	10	10
		11	11

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Vostro 1510	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “tera term v.4.106” 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.

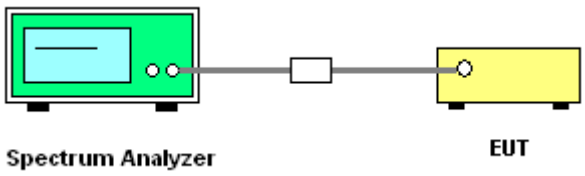
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in 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 is connected to the spectrum analyzer by RF cable and attenuator. The path loss is 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) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. 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 set the Video bandwidth (VBW) ≥ 3 * RBW.
6. Measure and record the results in the test report.

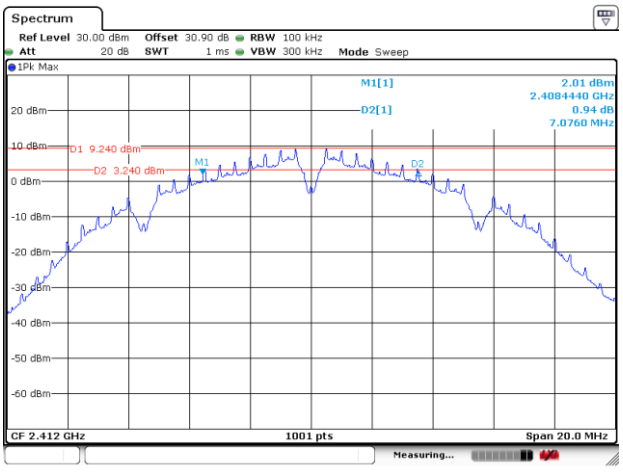
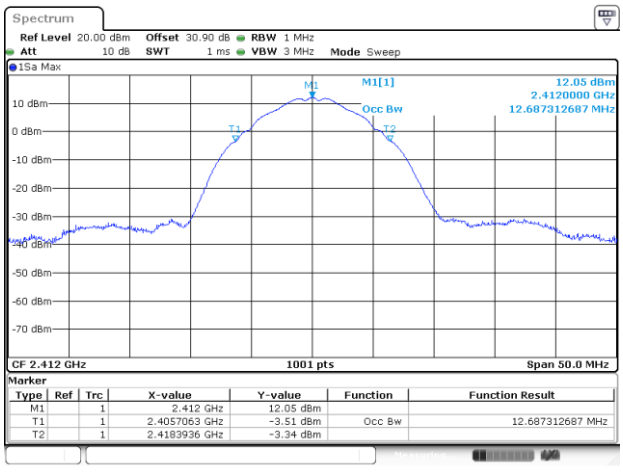
3.1.4 Test Setup



3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

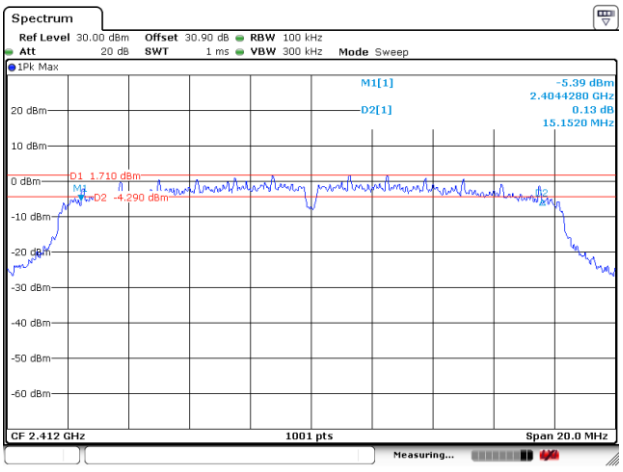
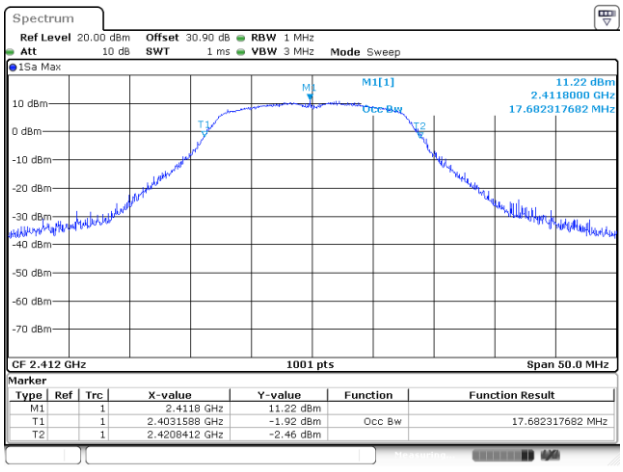
Please refer to Appendix A.

<802.11b>

6dB Bandwidth	99% Occupied Bandwidth
	

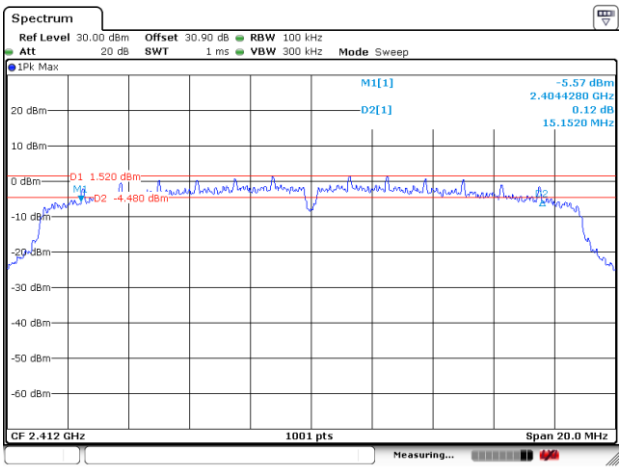
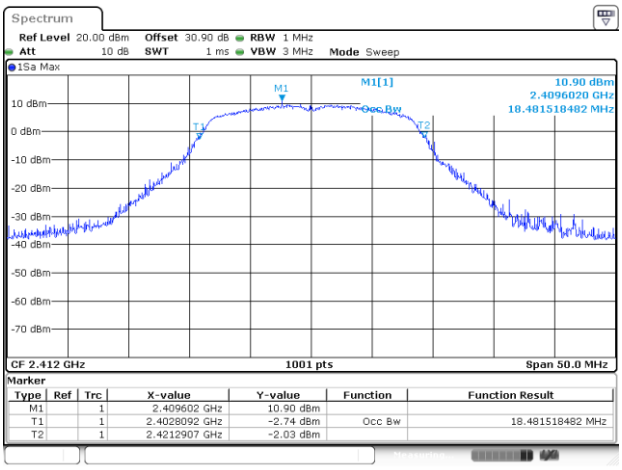
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11g>

6dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

6dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

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.

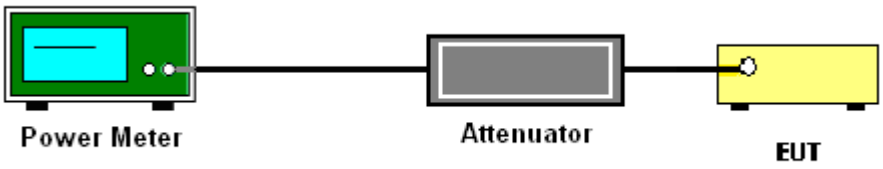
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in 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 is connected to the power meter by RF cable and attenuator. The path loss is 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.

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

Please refer to the measuring equipment list in 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 is connected to the spectrum analyzer by RF cable and attenuator. The path loss is 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.

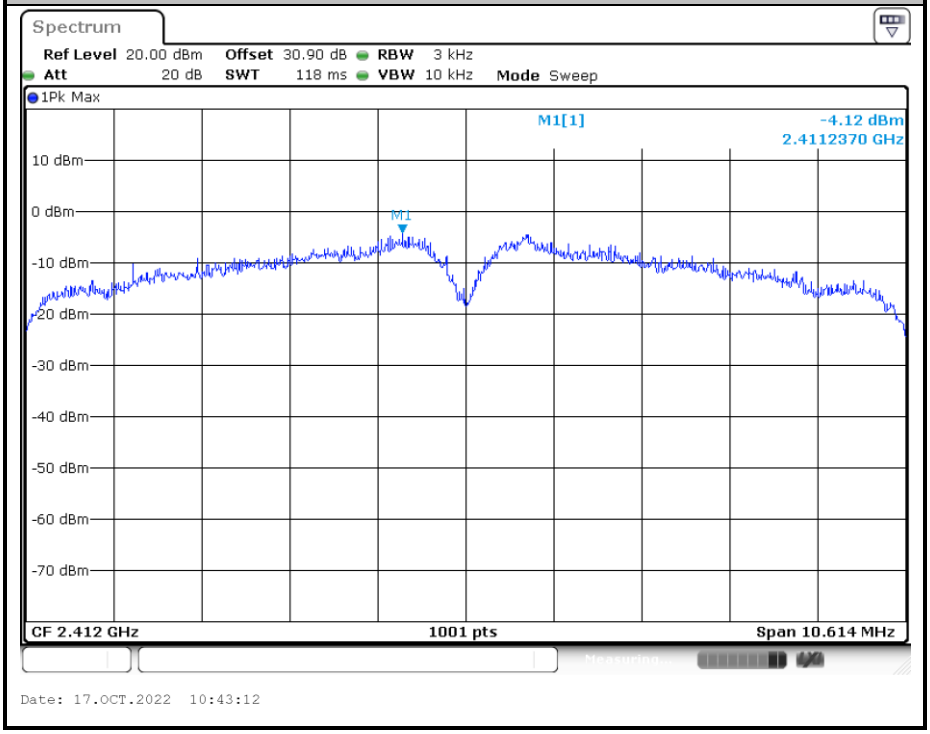
3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

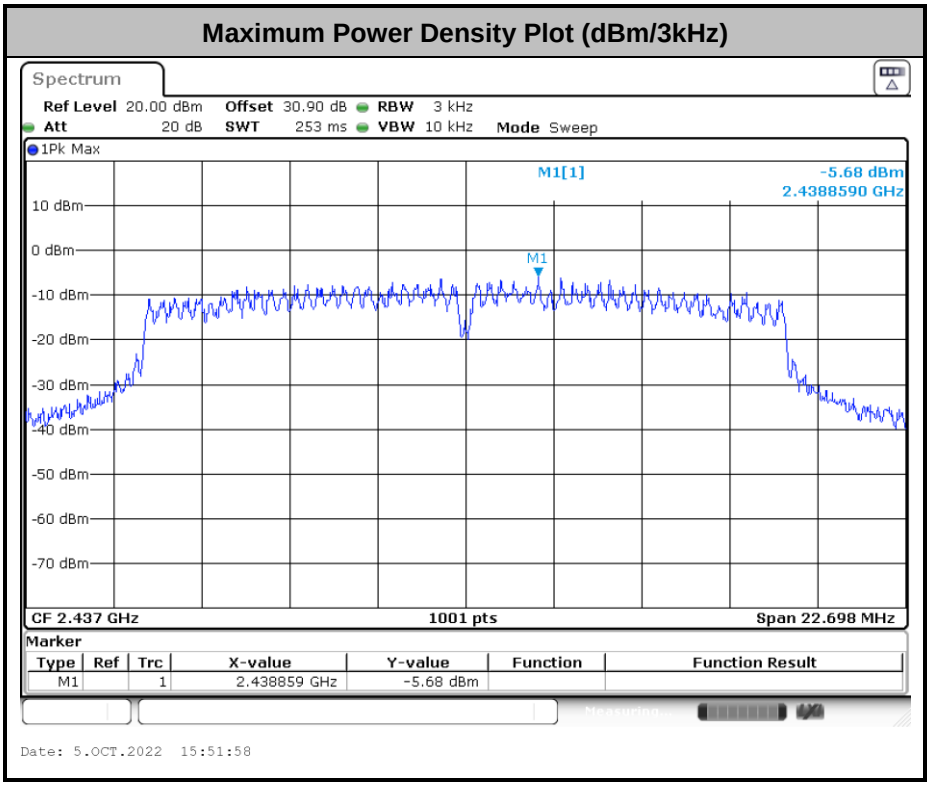
<802.11b>

Maximum Power Density Plot (dBm/3kHz)



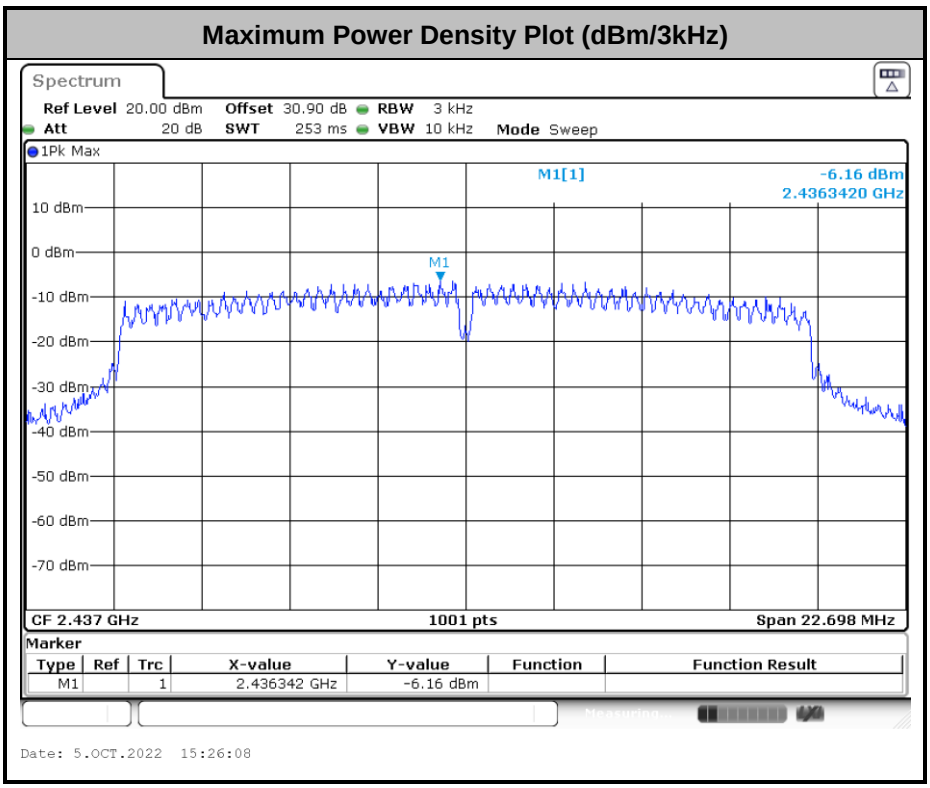
<802.11g>

Maximum Power Density Plot (dBm/3kHz)



<802.11n HT20>

Maximum Power Density Plot (dBm/3kHz)



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.

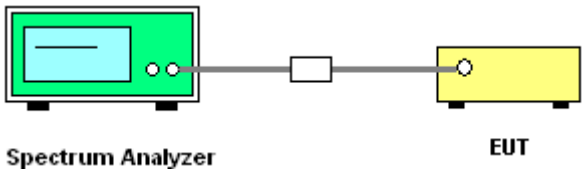
3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is 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.

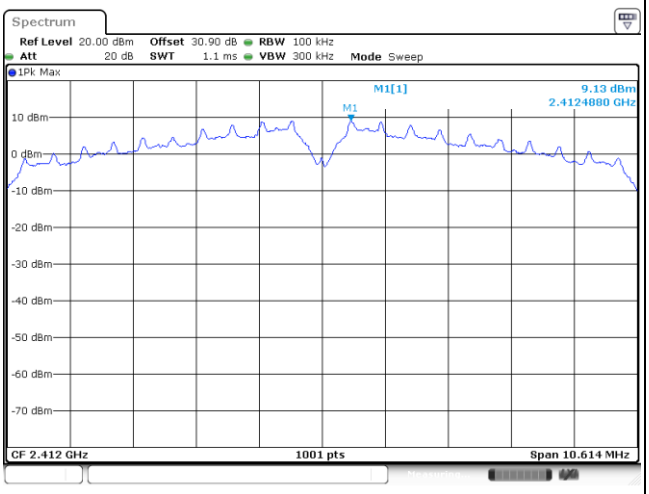
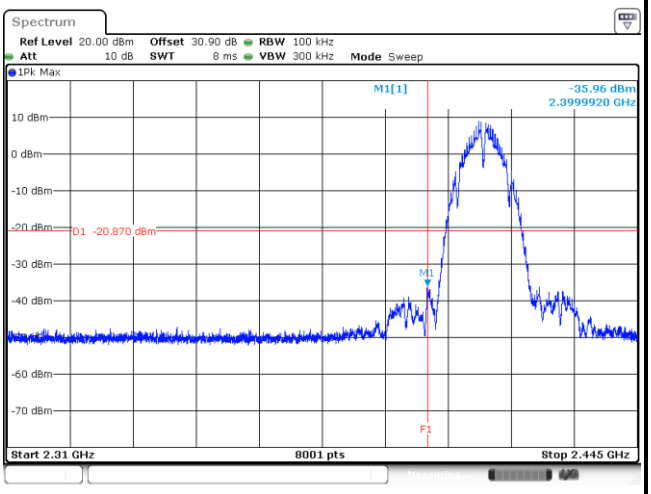
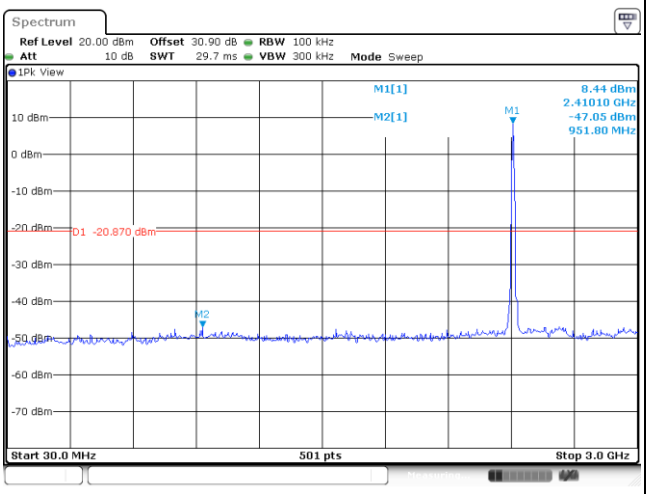
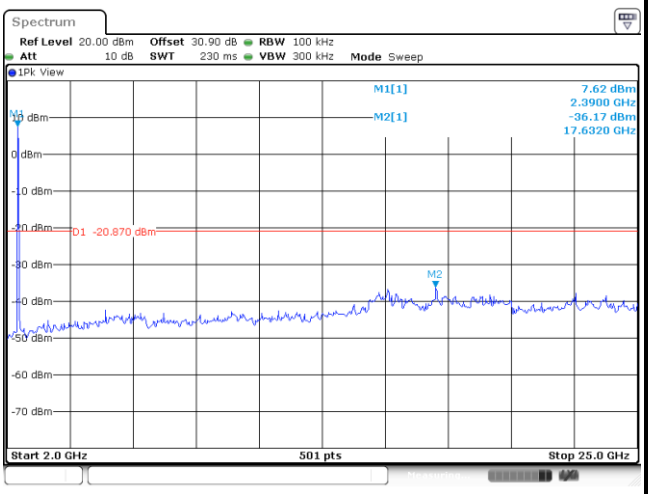
3.4.4 Test Setup



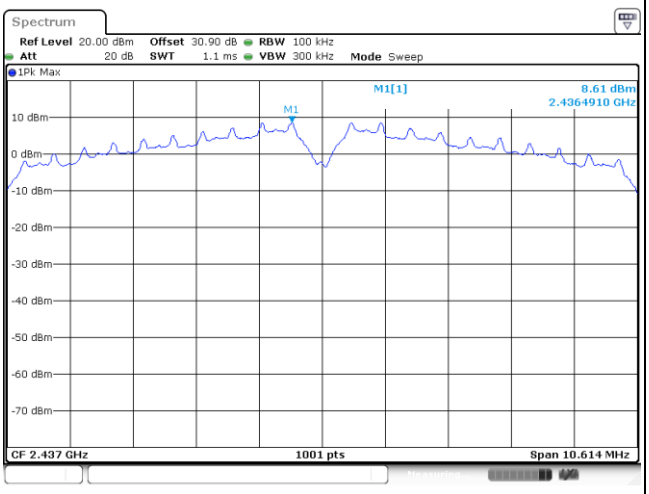
3.4.5 Test Result of Conducted Band Edges and Spurious Emission

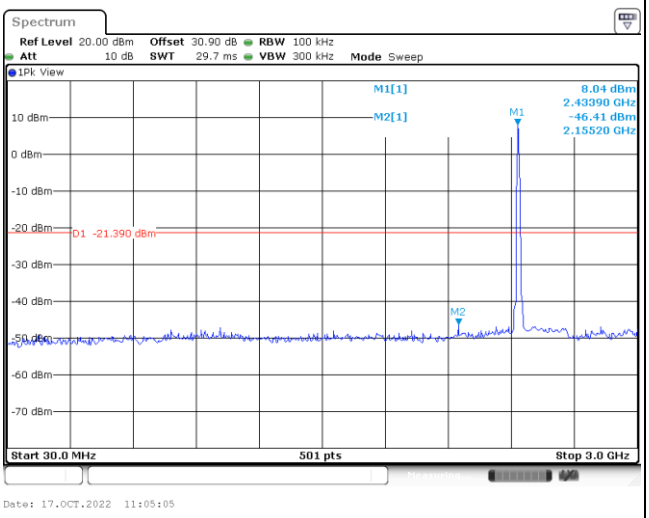
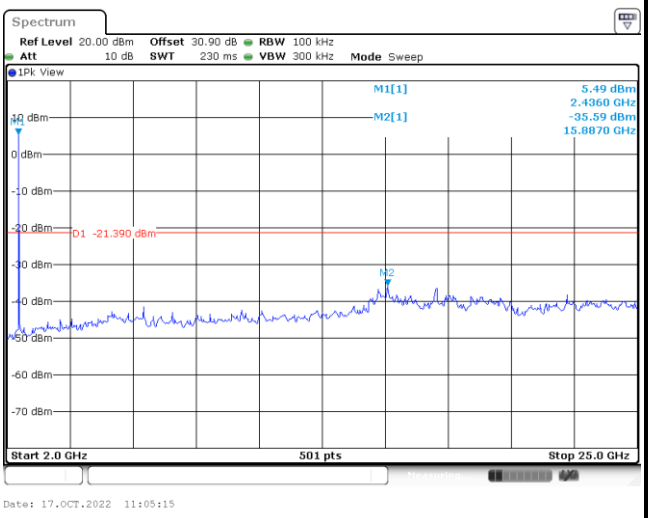
Number of TX = 1, Ant. 1 (Measured)

Test Mode :	802.11b	Test Channel :	01

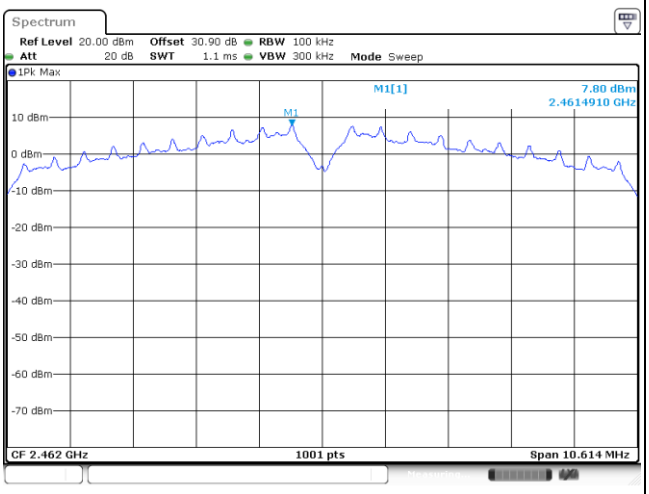
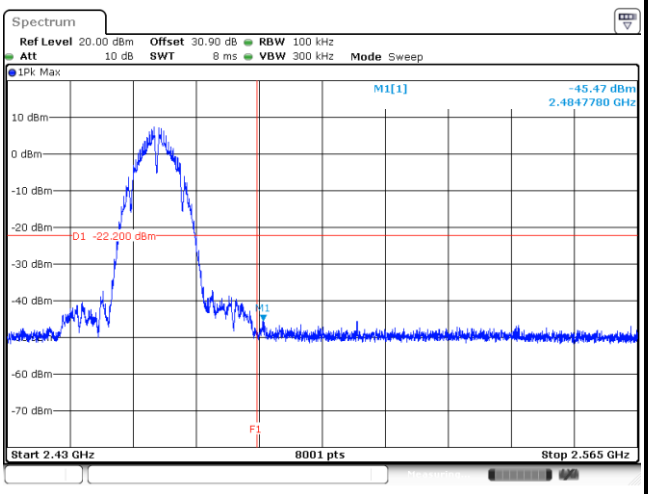
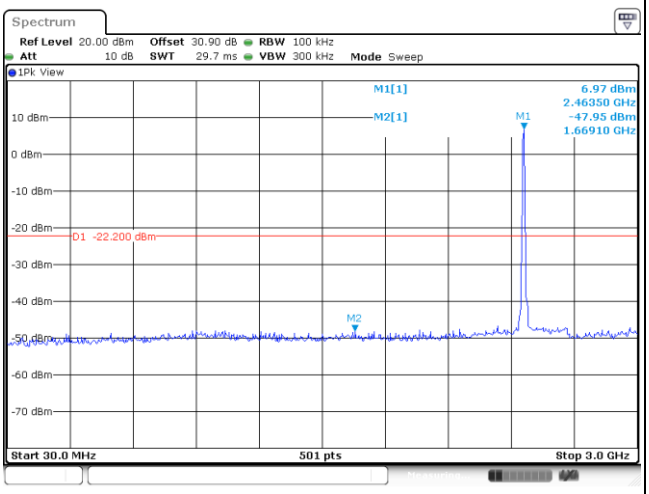
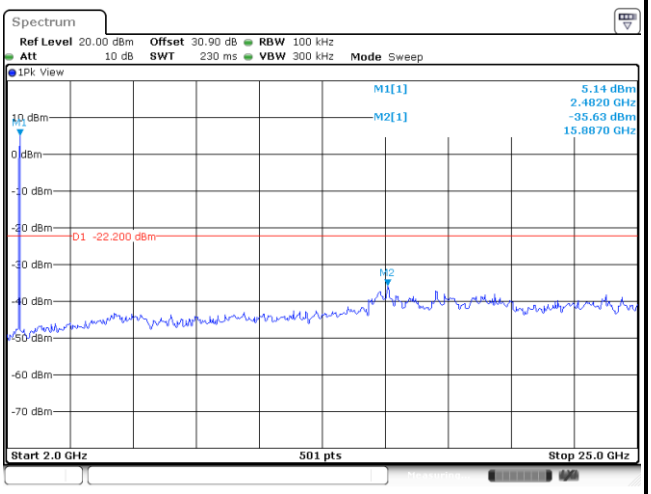
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11b	Test Channel :	06

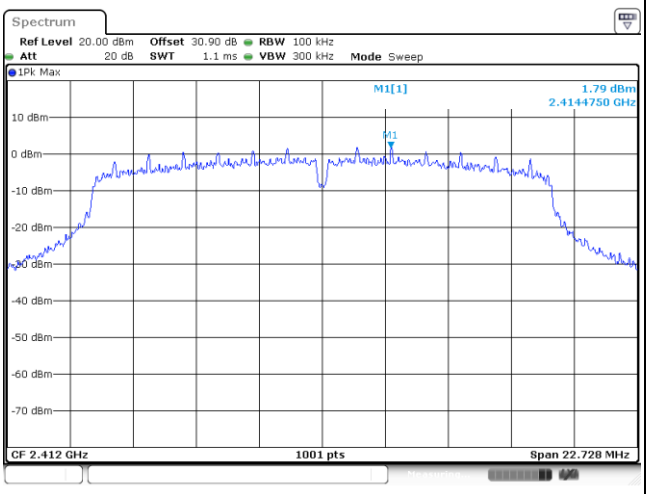
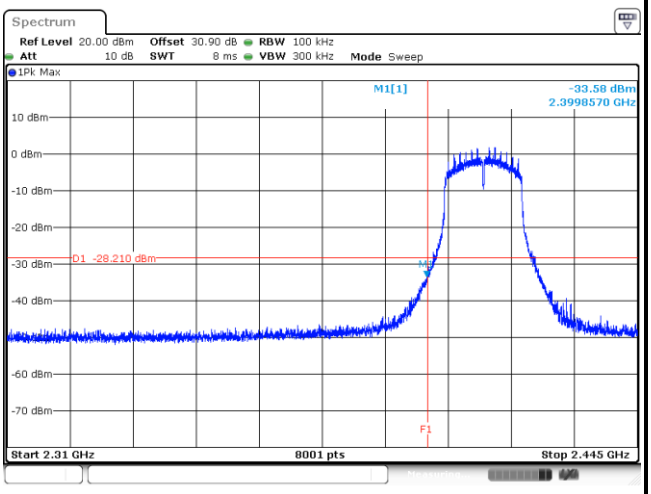
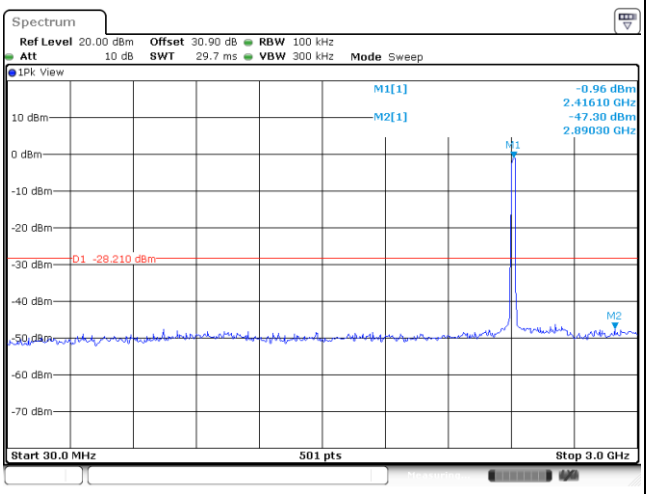
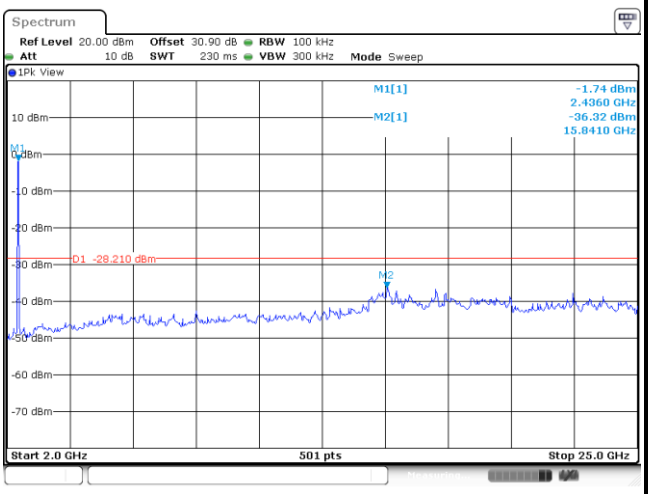
100kHz PSD reference Level	Channel Plot
	

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

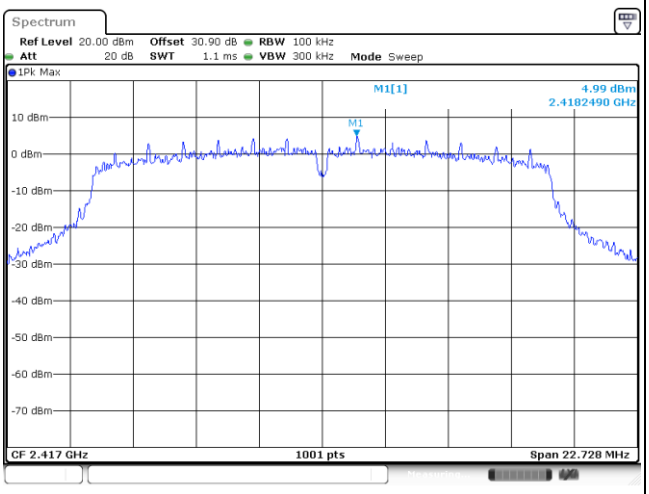
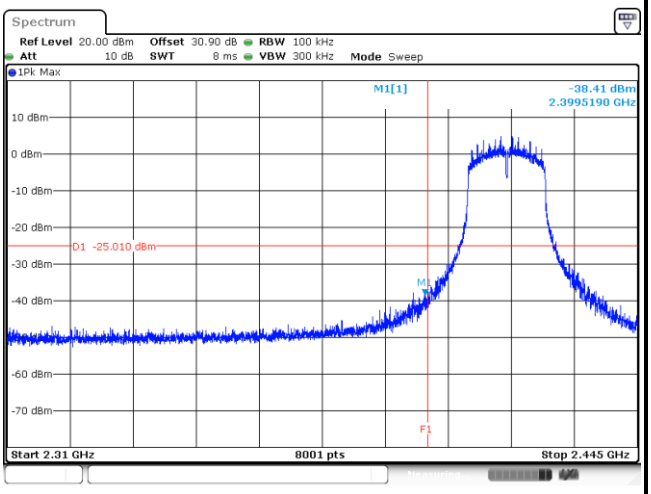
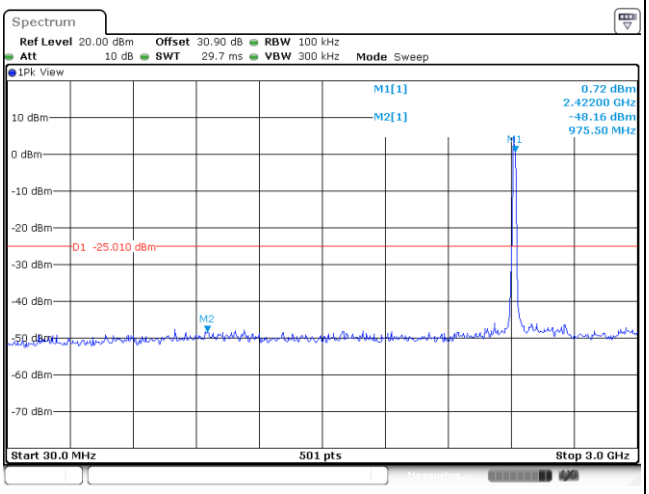
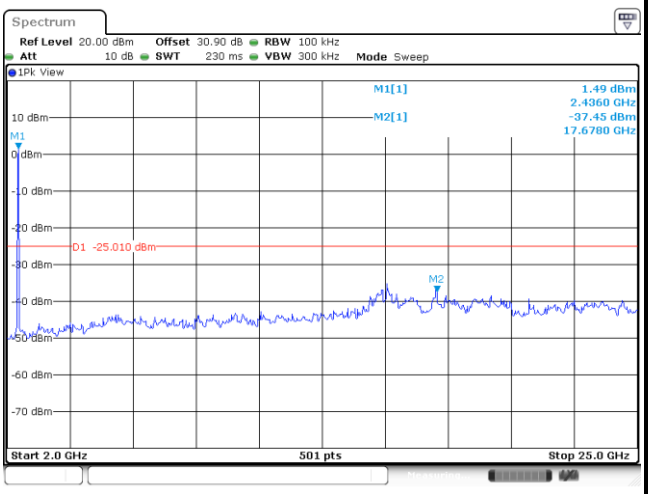
Test Mode :	802.11b	Test Channel :	11

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

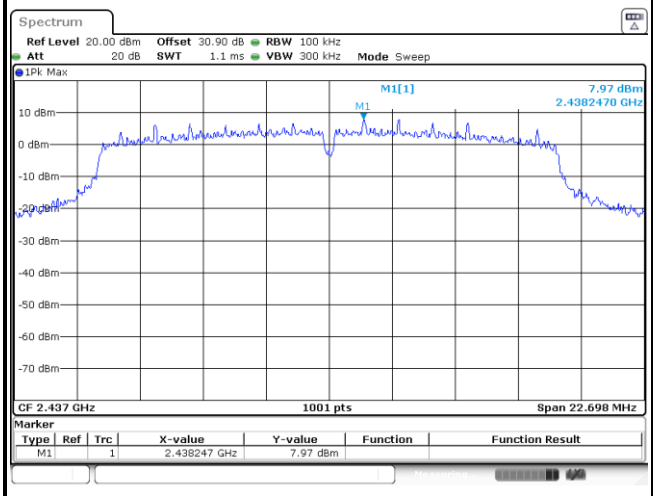
Test Mode :	802.11g	Test Channel :	01

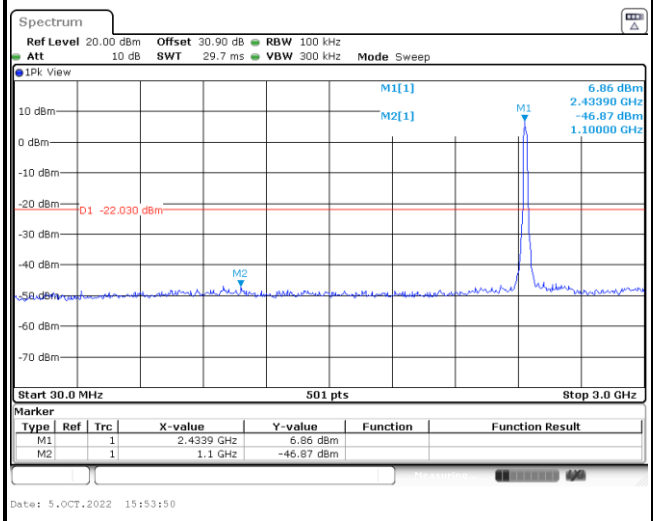
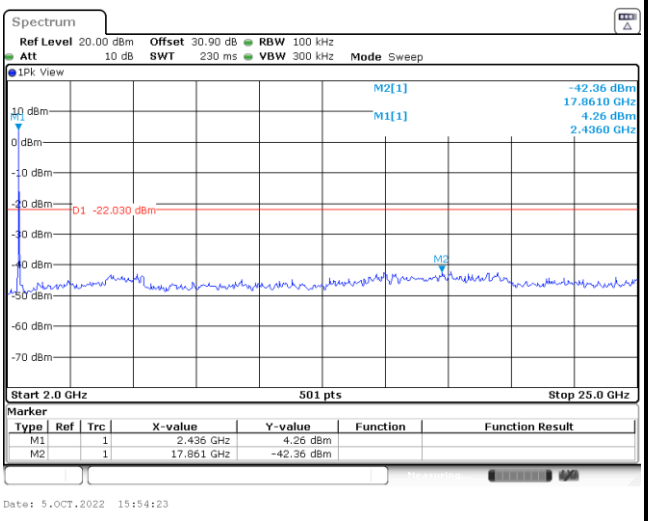
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	02

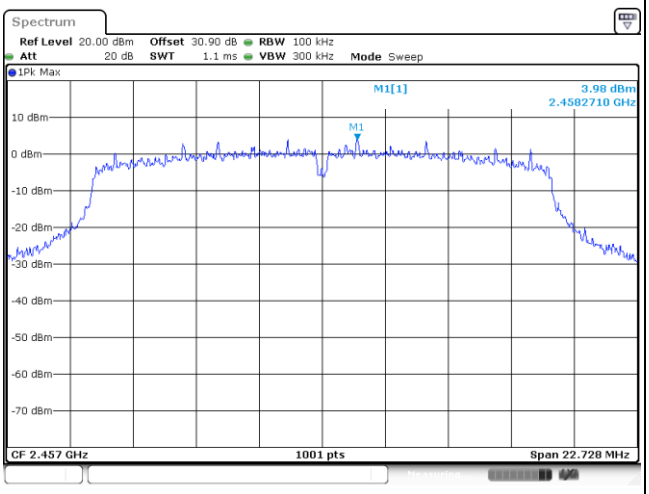
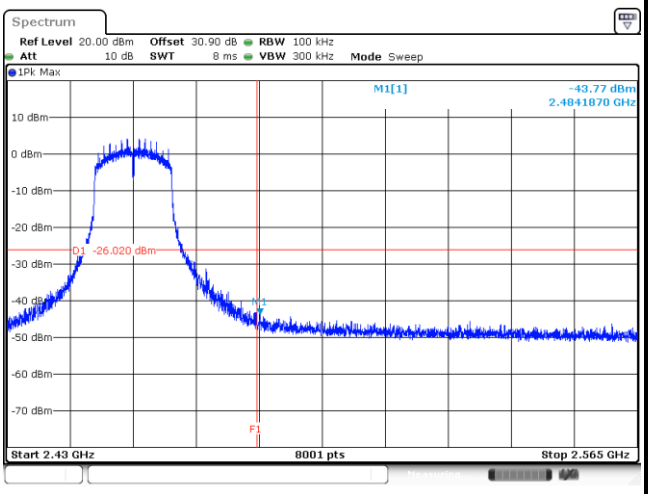
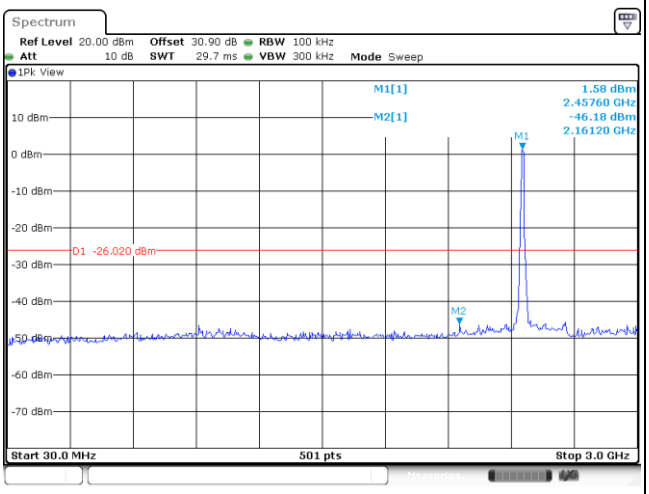
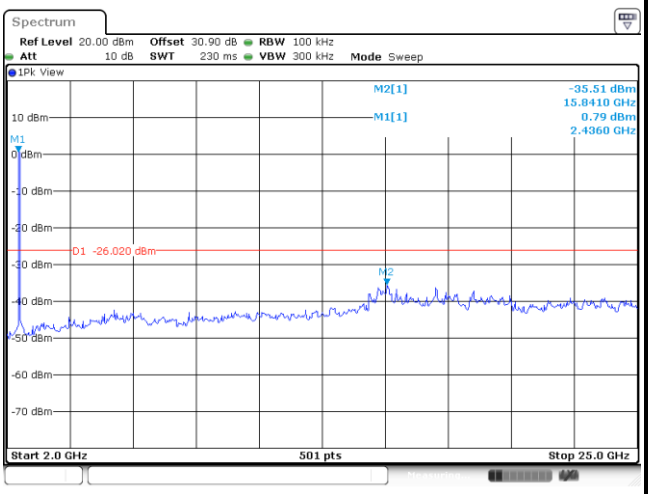
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	06

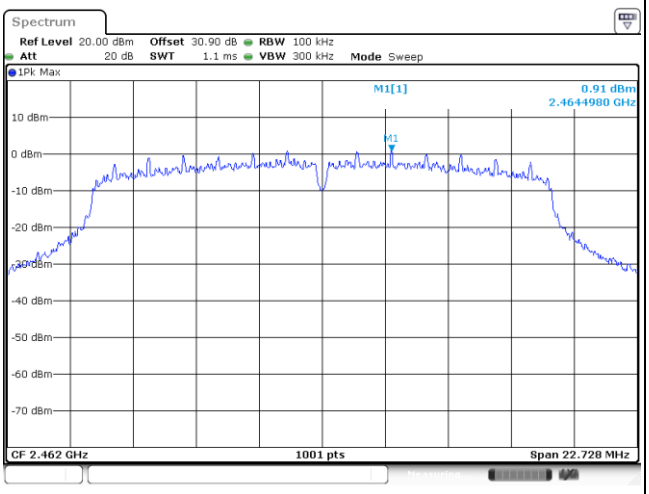
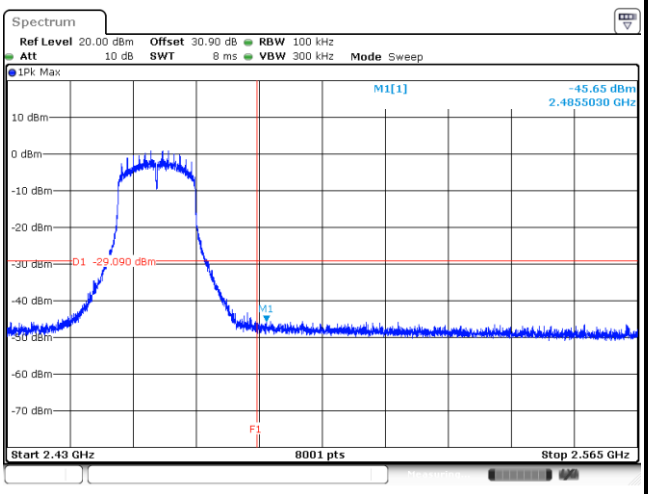
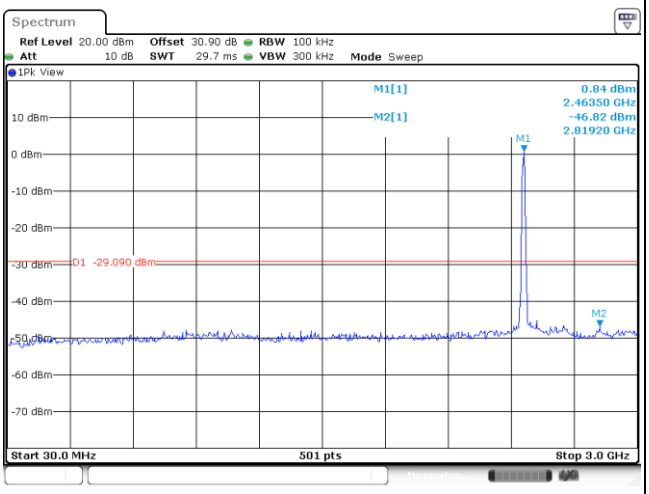
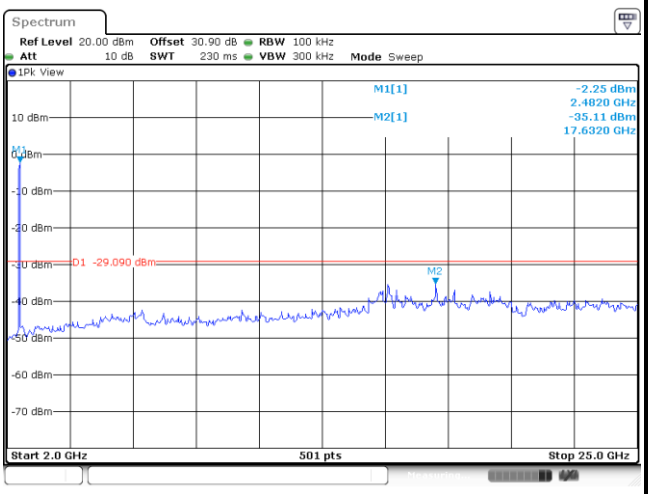
100kHz PSD reference Level	Channel Plot
	

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

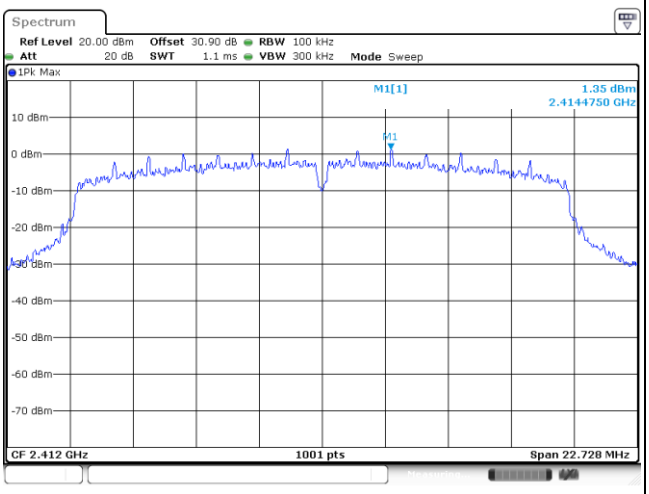
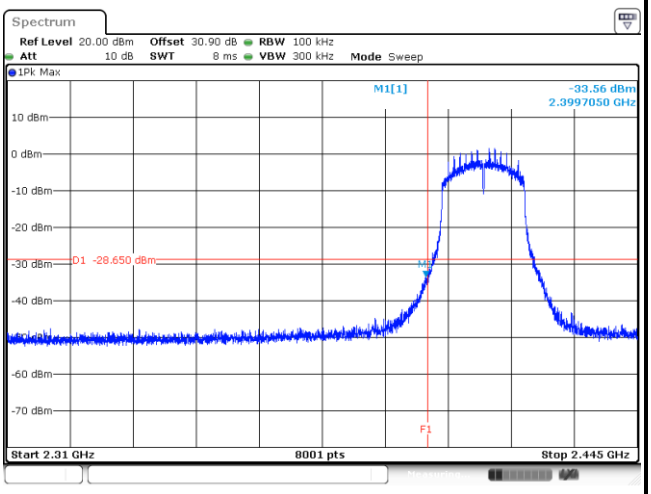
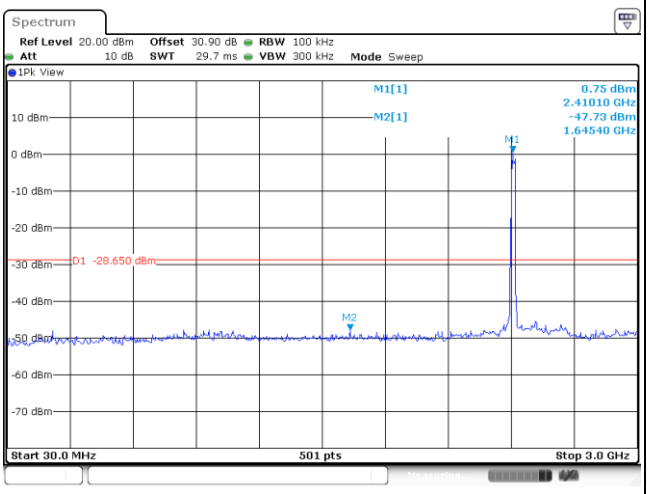
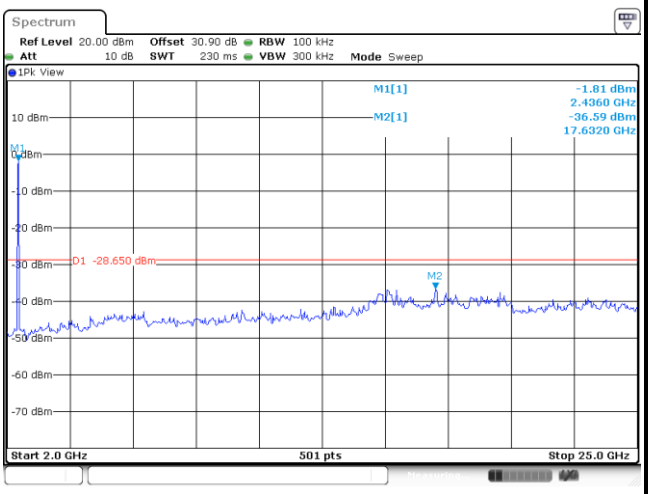
Test Mode :	802.11g	Test Channel :	10

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

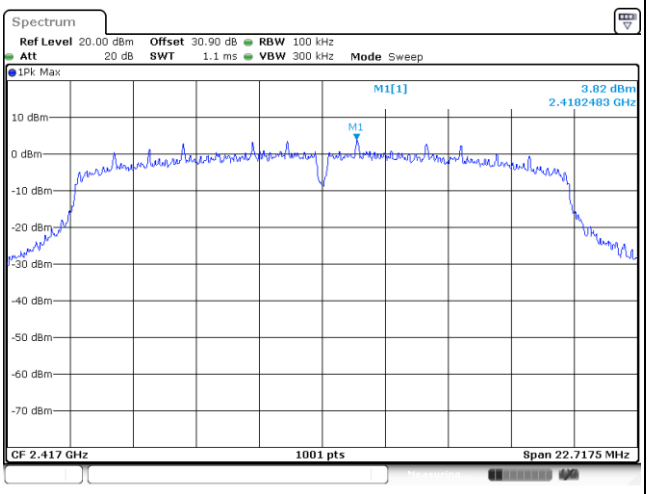
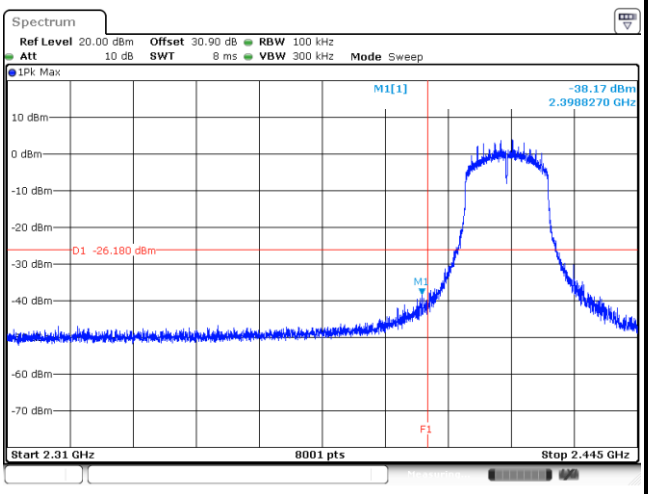
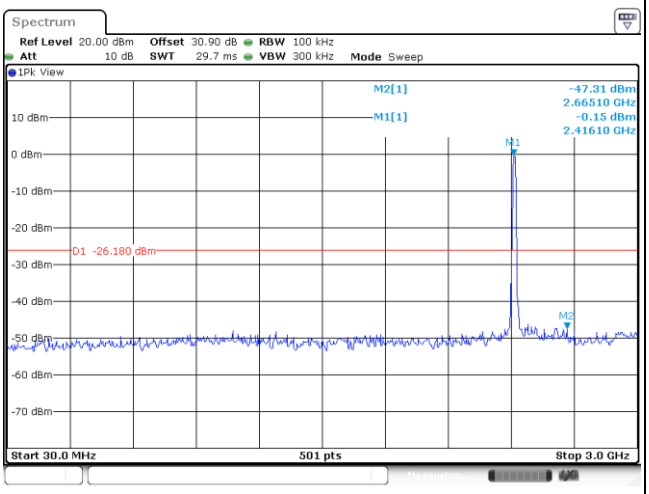
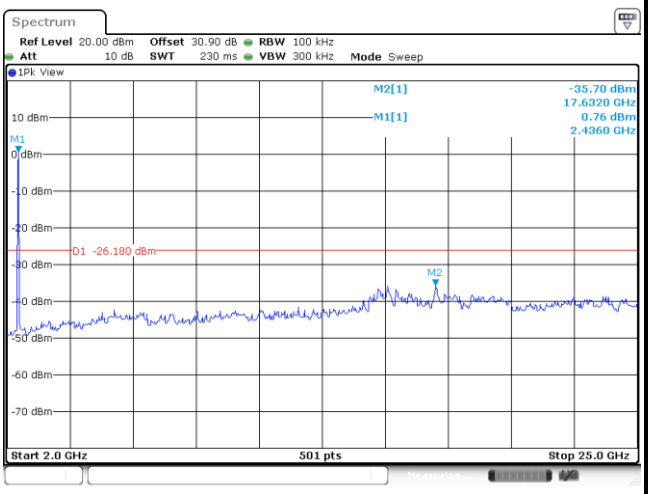
Test Mode :	802.11g	Test Channel :	11

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

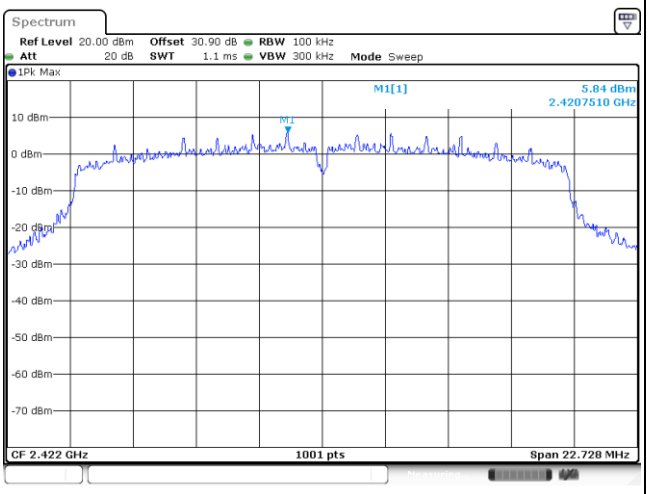
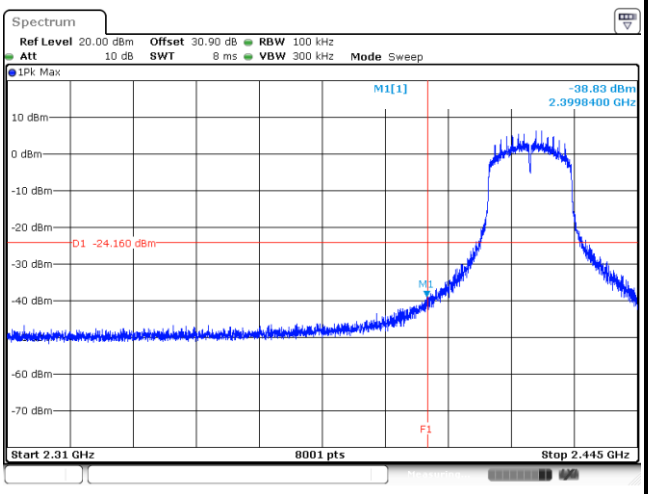
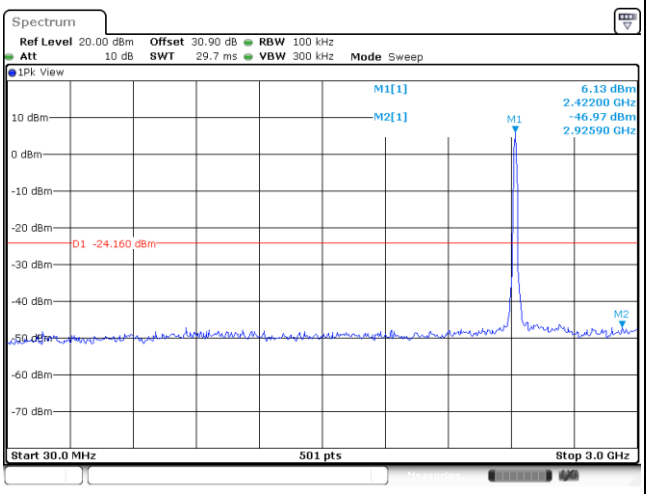
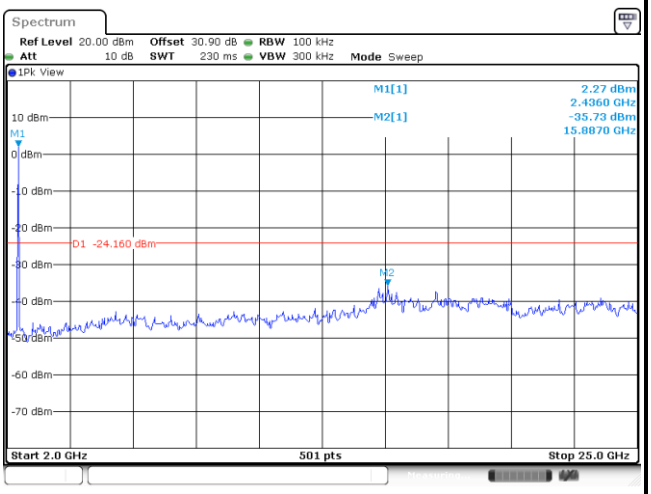
Test Mode :	802.11n HT20	Test Channel :	01

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

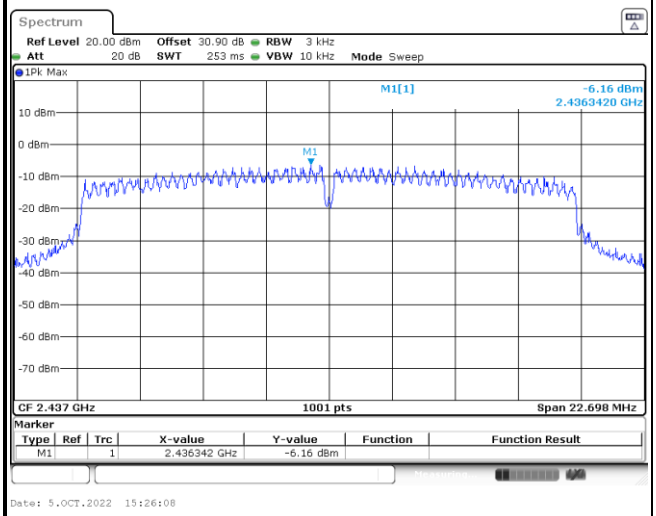
Test Mode :	802.11n HT20	Test Channel :	02

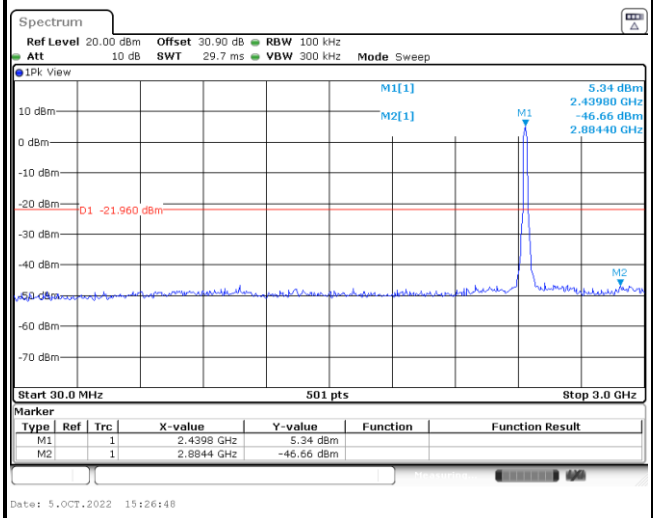
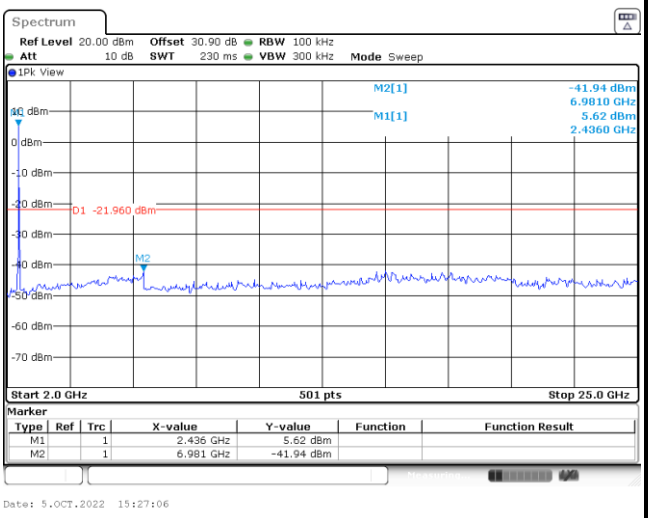
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	03

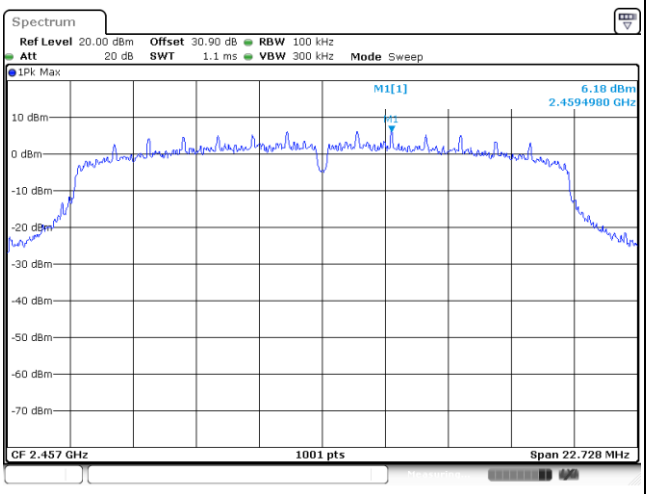
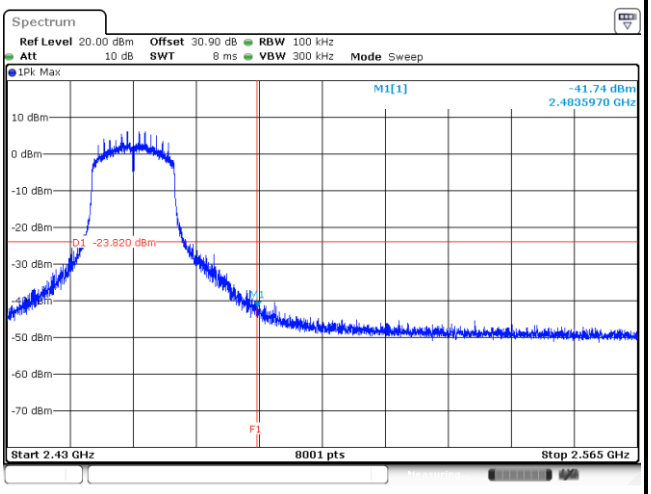
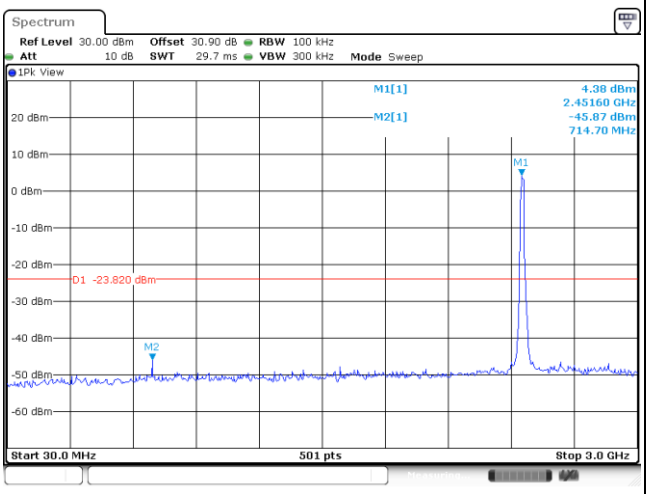
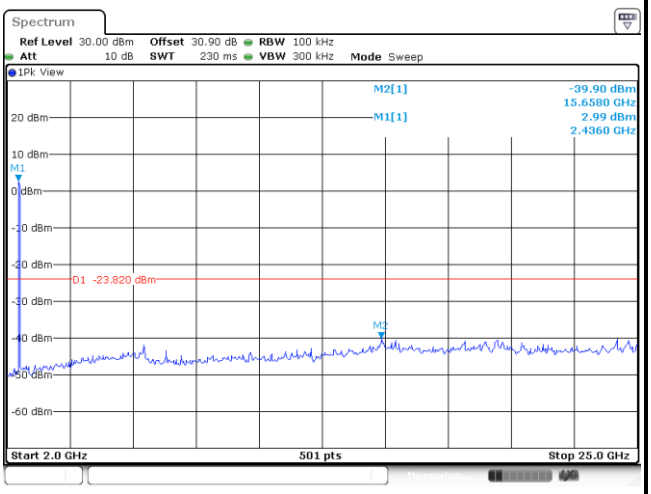
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

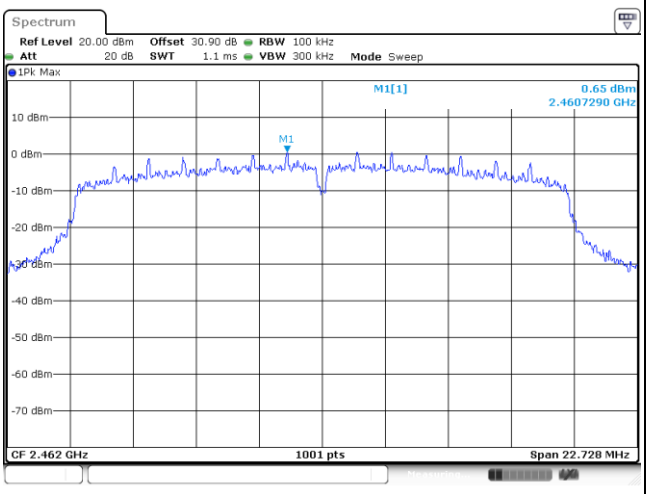
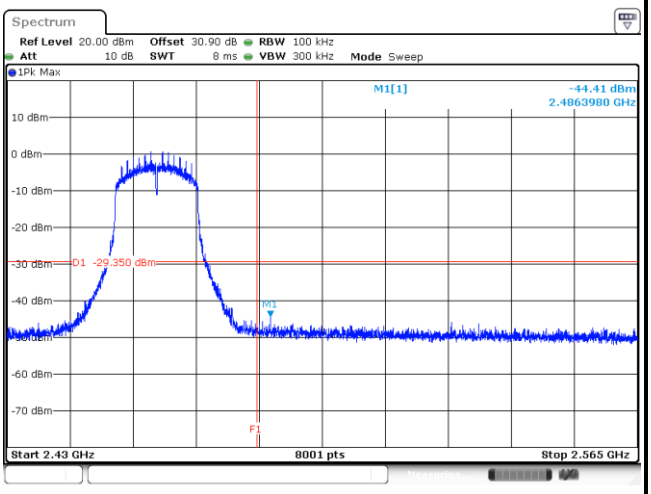
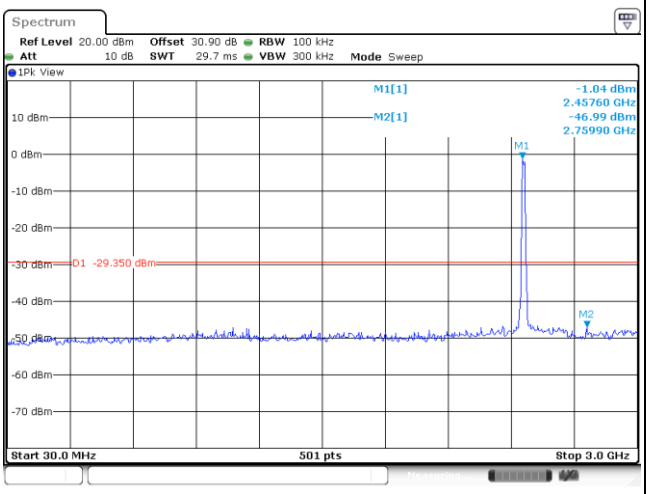
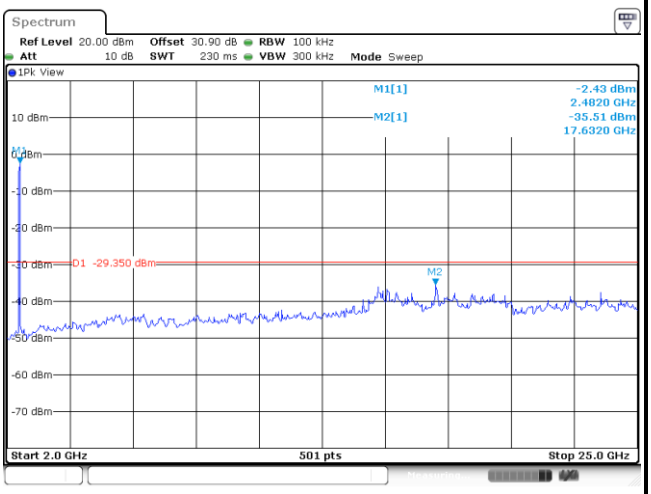
100kHz PSD reference Level	Channel Plot
	

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

Test Mode :	802.11n HT20	Test Channel :	10

100kHz PSD reference Level	Channel Plot
	
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**
	

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 is 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 must also comply with the limits as below.

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

Please refer to the measuring equipment list in this test report.

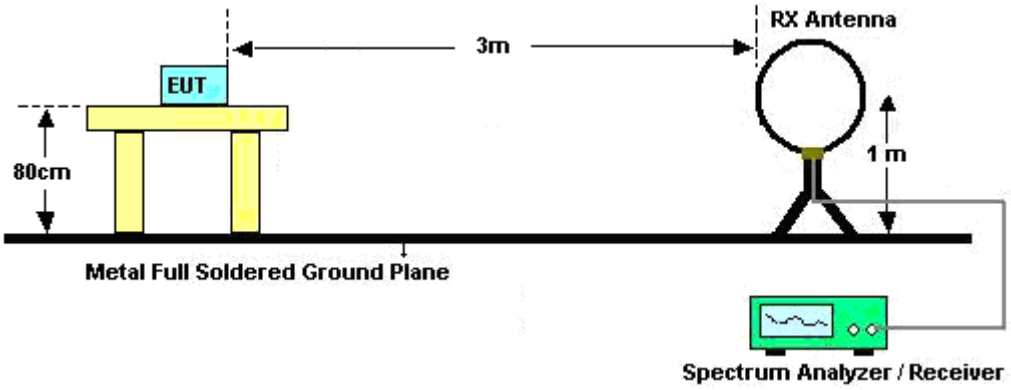
3.5.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is 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 is 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 is set 3 meters away from the receiving antenna, which is 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 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.

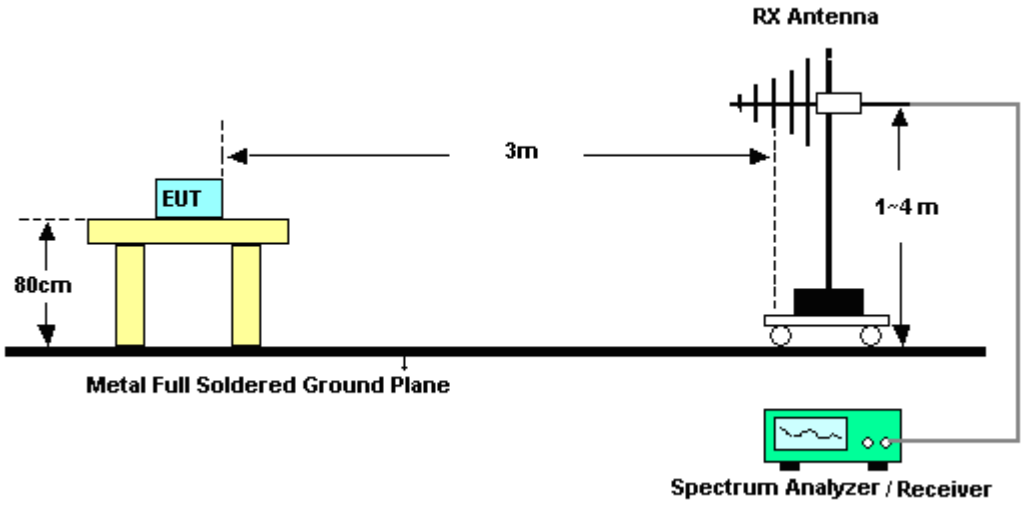
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB 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

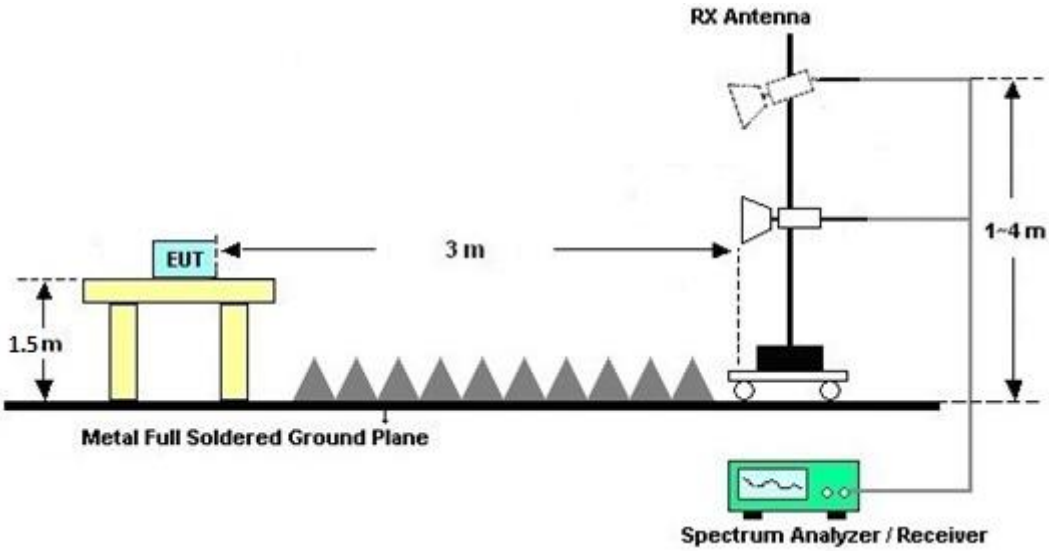
For radiated emissions below 30MHz



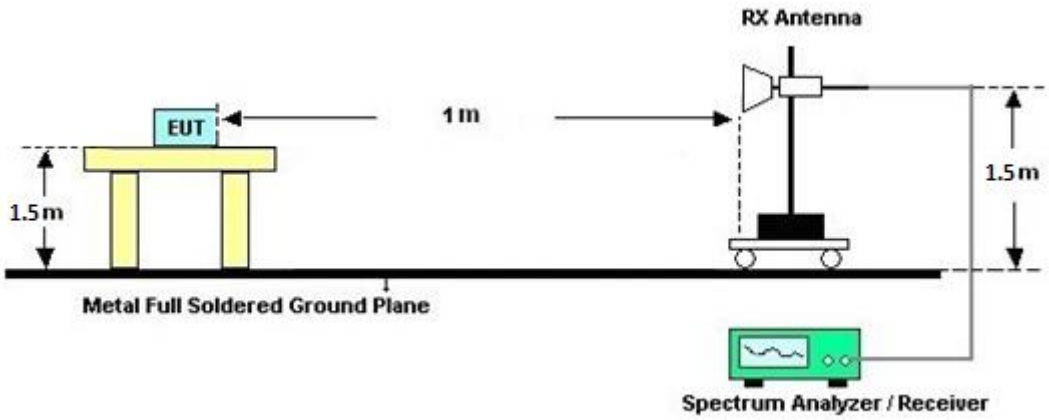
For radiated emissions from 30MHz to 1GHz



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 starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is 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 comes 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.

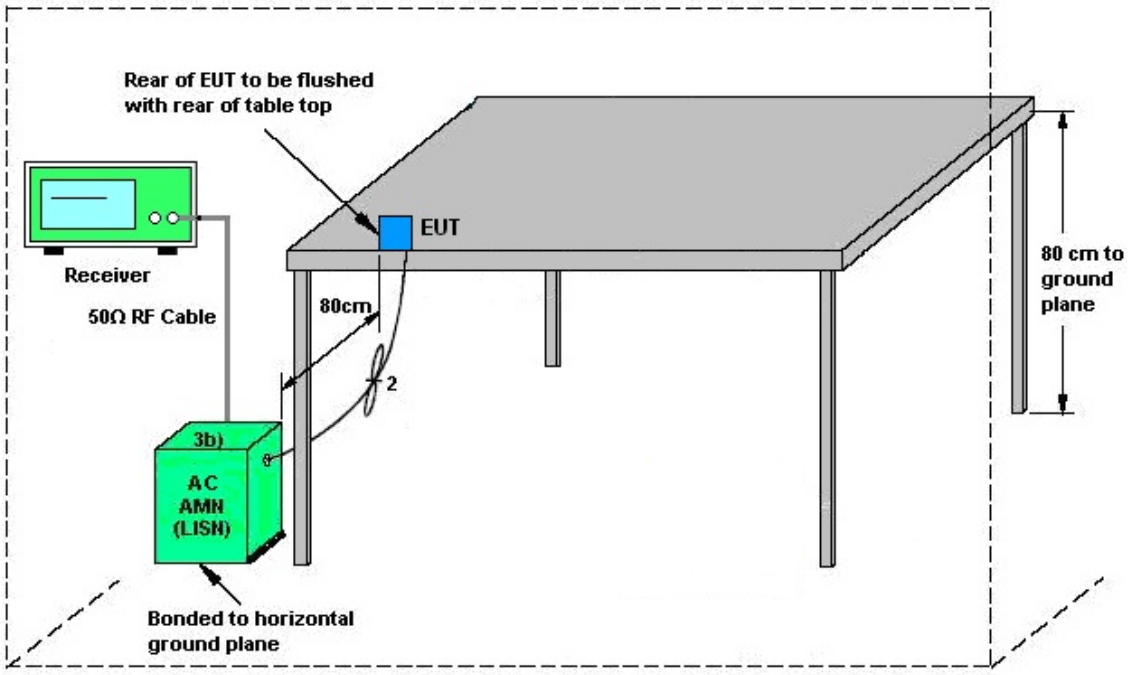
3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
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

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.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receicver	Keysight	N9038A	MY59053012	10Hz~44GHz	Nov. 18, 2021	Oct. 07, 2022~ Nov. 10, 2022	Nov. 17, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 03, 2022	Oct. 07, 2022~ Nov. 10, 2022	Jan. 02, 2023	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 15, 2021	Oct. 07, 2022~ Nov. 10, 2022	Nov. 14, 2022	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Oct. 07, 2022~ Nov. 10, 2022	Dec. 23, 2022	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	Oct. 07, 2022~ Nov. 10, 2022	Jan. 06, 2023	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N 1D01N-06	54682 & AT-N0603	30MHz~1GHz	Sep. 18, 2022	Oct. 07, 2022~ Nov. 10, 2022	Sep. 17, 2023	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz~18GHz	Nov. 02, 2021	Oct. 07, 2022~ Oct. 31, 2022	Nov. 01, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 09, 2022	Nov. 01, 2022~ Nov. 10, 2022	Aug. 08, 2023	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00994	18GHz-40GHz	Nov. 04, 2021	Oct. 07, 2022~ Nov. 02, 2022	Nov. 03, 2022	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00994	18GHz-40GHz	Nov. 04, 2022	Nov. 04, 2022~ Nov. 10, 2022	Nov. 03, 2023	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200879	N/A	Mar. 22, 2022	Oct. 07, 2022~ Nov. 10, 2022	Mar. 21, 2023	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804015/2,804027/2	N/A	Jan. 19, 2022	Oct. 07, 2022~ Nov. 10, 2022	Jan. 18, 2023	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Oct. 07, 2022~ Nov. 10, 2022	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 07, 2022~ Nov. 10, 2022	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 07, 2022~ Nov. 10, 2022	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 07, 2022~ Nov. 10, 2022	N/A	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Oct. 05, 2022~ Nov. 09, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Oct. 05, 2022~ Nov. 09, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Oct. 05, 2022~ Nov. 09, 2022	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Oct. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Oct. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Oct. 19, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Oct. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Oct. 19, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Oct. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.7 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2022/10/5~2022/11/9	Relative Humidity:	51~54	%

Report Number : FR2O0303

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	1	1	2412	12.69	-	7.08	-	0.50	Pass
11b	1Mbps	1	6	2437	12.69	-	7.08	-	0.50	Pass
11b	1Mbps	1	11	2462	12.74	-	7.08	-	0.50	Pass
11g	6Mbps	1	1	2412	17.68	-	15.15	-	0.50	Pass
11g	6Mbps	1	2	2417	17.58	-	15.15	-	0.50	Pass
11g	6Mbps	1	6	2437	17.68	-	15.15	-	0.50	Pass
11g	6Mbps	1	10	2457	17.63	-	15.15	-	0.50	Pass
11g	6Mbps	1	11	2462	17.78	-	15.15	-	0.50	Pass
HT20	MCS0	1	1	2412	18.48	-	15.15	-	0.50	Pass
HT20	MCS0	1	2	2417	18.43	-	15.14	-	0.50	Pass
HT20	MCS0	1	3	2422	18.78	-	15.15	-	0.50	Pass
HT20	MCS0	1	6	2437	18.48	-	15.15	-	0.50	Pass
HT20	MCS0	1	10	2457	18.68	-	15.15	-	0.50	Pass
HT20	MCS0	1	11	2462	18.48	-	15.15	-	0.50	Pass

Report Number : FR2O0303

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
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
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	17.10	-		30.00	-	2.80	-	19.90	-	36.00	-	Pass
11b	1Mbps	1	6	2437	16.80	-		30.00	-	2.80	-	19.60	-	36.00	-	Pass
11b	1Mbps	1	11	2462	15.70	-		30.00	-	2.80	-	18.50	-	36.00	-	Pass
11g	6Mbps	1	1	2412	13.20	-		30.00	-	2.80	-	16.00	-	36.00	-	Pass
11g	6Mbps	1	2	2417	16.40	-		30.00	-	2.80	-	19.20	-	36.00	-	Pass
11g	6Mbps	1	6	2437	17.60	-		30.00	-	2.80	-	20.40	-	36.00	-	Pass
11g	6Mbps	1	10	2457	16.00	-		30.00	-	2.80	-	18.80	-	36.00	-	Pass
11g	6Mbps	1	11	2462	12.80	-		30.00	-	2.80	-	15.60	-	36.00	-	Pass
HT20	MCS0	1	1	2412	12.90	-		30.00	-	2.80	-	15.70	-	36.00	-	Pass
HT20	MCS0	1	2	2417	15.30	-		30.00	-	2.80	-	18.10	-	36.00	-	Pass
HT20	MCS0	1	3	2422	17.60	-		30.00	-	2.80	-	20.40	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.90	-		30.00	-	2.80	-	21.70	-	36.00	-	Pass
HT20	MCS0	1	10	2457	17.70	-		30.00	-	2.80	-	20.50	-	36.00	-	Pass
HT20	MCS0	1	11	2462	12.20	-		30.00	-	2.80	-	15.00	-	36.00	-	Pass

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	-4.12	-		2.80	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-4.39	-		2.80	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-5.45	-		2.80	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-12.48	-		2.80	-	8.00	-	Pass
11g	6Mbps	1	2	2417	-8.15	-		2.80	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-5.68	-		2.80	-	8.00	-	Pass
11g	6Mbps	1	10	2457	-8.59	-		2.80	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-13.38	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-12.11	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	2	2417	-9.81	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	3	2422	-8.00	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-6.16	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	10	2457	-8.57	-		2.80	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-12.99	-		2.80	-	8.00	-	Pass

Note: Measured power density (dBm) has offset with cable loss.

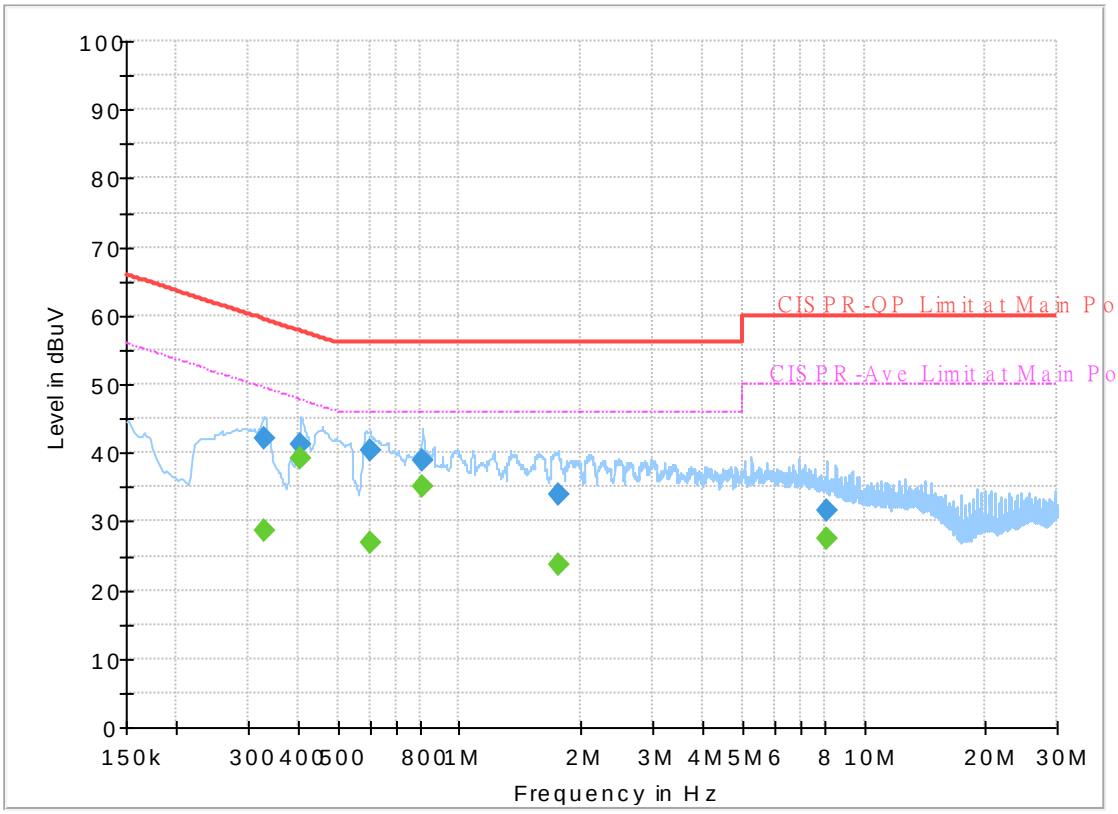
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	2O0303
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



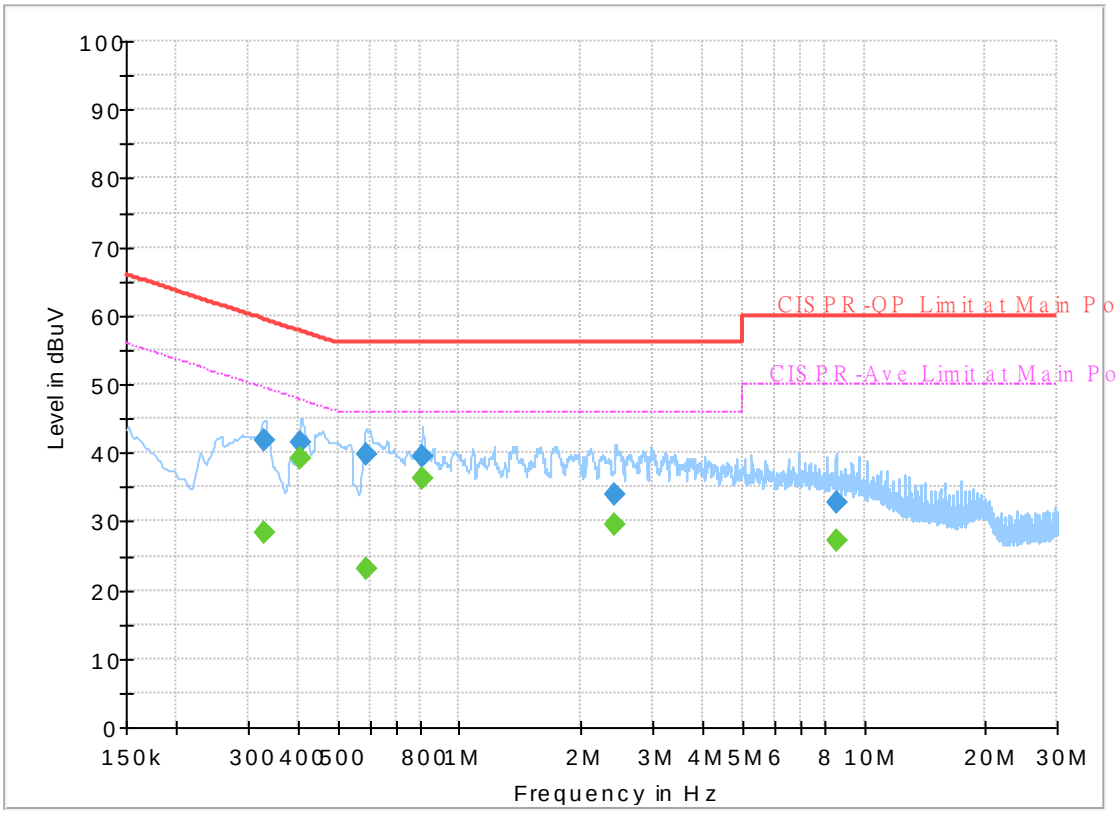
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.327750	---	28.73	49.51	20.78	L1	OFF	19.8
0.327750	42.18	---	59.51	17.33	L1	OFF	19.8
0.406500	---	39.08	47.72	8.64	L1	OFF	19.8
0.406500	41.35	---	57.72	16.37	L1	OFF	19.8
0.600000	---	26.86	46.00	19.14	L1	OFF	19.8
0.600000	40.30	---	56.00	15.70	L1	OFF	19.8
0.811500	---	35.10	46.00	10.90	L1	OFF	19.8
0.811500	38.83	---	56.00	17.17	L1	OFF	19.8
1.752000	---	23.70	46.00	22.30	L1	OFF	19.8
1.752000	33.97	---	56.00	22.03	L1	OFF	19.8
8.108250	---	27.59	50.00	22.41	L1	OFF	19.9
8.108250	31.57	---	60.00	28.43	L1	OFF	19.9

EUT Information

Report NO :	2O0303
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.327750	---	28.40	49.51	21.11	N	OFF	19.8
0.327750	41.70	---	59.51	17.81	N	OFF	19.8
0.406500	---	39.27	47.72	8.45	N	OFF	19.8
0.406500	41.49	---	57.72	16.23	N	OFF	19.8
0.586500	---	23.04	46.00	22.96	N	OFF	19.8
0.586500	39.68	---	56.00	16.32	N	OFF	19.8
0.811500	---	36.36	46.00	9.64	N	OFF	19.8
0.811500	39.40	---	56.00	16.60	N	OFF	19.8
2.431500	---	29.41	46.00	16.59	N	OFF	19.8
2.431500	34.06	---	56.00	21.94	N	OFF	19.8
8.517750	---	27.18	50.00	22.82	N	OFF	20.0
8.517750	32.71	---	60.00	27.29	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, Leo Li, JC Liang and Steven Wu	Temperature :	21.1~23.1°C
		Relative Humidity :	66~69%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2389.17	52.51	-21.49	74	42.84	27.26	18.68	36.27	305	0	P	H
		2389.17	46.05	-7.95	54	36.38	27.26	18.68	36.27	305	0	A	H
	*	2412	106.84	-	-	97.05	27.35	18.72	36.28	305	0	P	H
	*	2412	103.56	-	-	93.77	27.35	18.72	36.28	305	0	A	H
													H
													H
		2389.38	55.63	-18.37	74	45.96	27.26	18.68	36.27	121	98	P	V
		2389.17	50.83	-3.17	54	41.16	27.26	18.68	36.27	121	98	A	V
	*	2412	112.35	-	-	102.56	27.35	18.72	36.28	121	98	P	V
	*	2412	108.93	-	-	99.14	27.35	18.72	36.28	121	98	A	V
													V
													V
802.11b CH 06 2437MHz		2361.2	50.55	-23.45	74	41.04	27.14	18.63	36.26	194	346	P	H
		2361.52	39.09	-14.91	54	29.57	27.15	18.63	36.26	194	346	A	H
	*	2437	107.48	-	-	97.55	27.45	18.77	36.29	194	346	P	H
	*	2437	104.14	-	-	94.21	27.45	18.77	36.29	194	346	A	H
		2488.72	49.3	-24.7	74	39.1	27.65	18.87	36.32	194	346	P	H
		2500	38.9	-15.1	54	28.63	27.7	18.89	36.32	194	346	A	H
		2361.2	51.15	-22.85	74	41.64	27.14	18.63	36.26	100	122	P	V
		2363.12	41.29	-12.71	54	31.77	27.15	18.63	36.26	100	122	A	V
	*	2437	112.44	-	-	102.51	27.45	18.77	36.29	100	122	P	V
	*	2437	109.13	-	-	99.2	27.45	18.77	36.29	100	122	A	V
		2487.68	49.73	-24.27	74	39.52	27.65	18.87	36.31	100	122	P	V
		2484.8	39.23	-14.77	54	29.04	27.64	18.86	36.31	100	122	A	V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 11 2462MHz	*	2462	106.27	-	-	96.2	27.55	18.82	36.3	215	348	P	H
	*	2462	102.91	-	-	92.84	27.55	18.82	36.3	215	348	A	H
		2484.8	51.87	-22.13	74	41.68	27.64	18.86	36.31	215	348	P	H
		2484.96	43.06	-10.94	54	32.87	27.64	18.86	36.31	215	348	A	H
													H
													H
	*	2462	111.43	-	-	101.36	27.55	18.82	36.3	100	124	P	V
	*	2462	108.14	-	-	98.07	27.55	18.82	36.3	100	124	A	V
		2484.8	53.43	-20.57	74	43.24	27.64	18.86	36.31	100	124	P	V
		2484.96	45.38	-8.62	54	35.19	27.64	18.86	36.31	100	124	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4824	44.06	-29.94	74	36.17	32.4	13.05	37.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11b													H
CH 01		4824	43.29	-30.71	74	35.4	32.4	13.05	37.56	-	-	P	V
2412MHz													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4874	44.93	-29.07	74	36.99	32.5	13.04	37.6	-	-	P	H
		7311	56.16	-17.84	74	41.91	36.9	15.88	38.53	303	155	P	H
		7311	50.81	-3.19	54	36.56	36.9	15.88	38.53	303	155	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11b													H
CH 06		4874	43.23	-30.77	74	35.29	32.5	13.04	37.6	-	-	P	V
2437MHz		7311	55.97	-18.03	74	41.72	36.9	15.88	38.53	294	187	P	V
		7311	50.43	-3.57	54	36.18	36.9	15.88	38.53	294	187	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4924	43.74	-30.26	74	35.6	32.74	13.03	37.63	-	-	P	H
		7386	55.78	-18.22	74	41.76	36.68	15.93	38.59	226	115	P	H
		7386	50.21	-3.79	54	36.19	36.68	15.93	38.59	226	115	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11b													H
CH 11		4924	43.44	-30.56	74	35.3	32.74	13.03	37.63	-	-	P	V
2462MHz		7386	54.13	-19.87	74	40.11	36.68	15.93	38.59	278	183	P	V
		7386	47.45	-6.55	54	33.43	36.68	15.93	38.59	278	183	A	V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only.

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 01 2412MHz		2388.54	60.64	-13.36	74	50.98	27.25	18.68	36.27	214	0	P	H
		2390	46.68	-7.32	54	37.01	27.26	18.68	36.27	214	0	A	H
	*	2412	102.1	-	-	92.31	27.35	18.72	36.28	214	0	P	H
	*	2412	94.99	-	-	85.2	27.35	18.72	36.28	214	0	A	H
													H
													H
		2387.595	65.86	-8.14	74	56.2	27.25	18.68	36.27	100	121	P	V
		2389.8	50.28	-3.72	54	40.61	27.26	18.68	36.27	100	121	A	V
	*	2412	109.41	-	-	99.62	27.35	18.72	36.28	100	121	P	V
	*	2412	101.7	-	-	91.91	27.35	18.72	36.28	100	121	A	V
													V
													V
802.11g CH 02 2417MHz		2387.88	57.99	-16.01	74	48.33	27.25	18.68	36.27	197	358	P	H
		2389.8	47	-7	54	37.33	27.26	18.68	36.27	197	358	A	H
	*	2417	107.07	-	-	97.25	27.37	18.73	36.28	197	358	P	H
	*	2417	99.42	-	-	89.6	27.37	18.73	36.28	197	358	A	H
													H
													H
		2389.68	63.19	-10.81	74	53.52	27.26	18.68	36.27	135	131	P	V
		2389.92	50.96	-3.04	54	41.29	27.26	18.68	36.27	135	131	A	V
	*	2417	112.04	-	-	102.22	27.37	18.73	36.28	135	131	P	V
	*	2417	103.62	-	-	93.8	27.37	18.73	36.28	135	131	A	V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 06 2437MHz		2387.12	51.65	-22.35	74	41.99	27.25	18.68	36.27	191	345	P	H
		2389.2	42.74	-11.26	54	33.07	27.26	18.68	36.27	191	345	A	H
	*	2437	109.36	-	-	99.43	27.45	18.77	36.29	191	345	P	H
	*	2437	101.47	-	-	91.54	27.45	18.77	36.29	191	345	A	H
		2489.68	52.48	-21.52	74	42.27	27.66	18.87	36.32	191	345	P	H
		2484.08	42.04	-11.96	54	31.85	27.64	18.86	36.31	191	345	A	H
		2389.04	55.01	-18.99	74	45.34	27.26	18.68	36.27	100	121	P	V
		2389.84	46.11	-7.89	54	36.44	27.26	18.68	36.27	100	121	A	V
	*	2437	114.04	-	-	104.11	27.45	18.77	36.29	100	121	P	V
	*	2437	106.37	-	-	96.44	27.45	18.77	36.29	100	121	A	V
		2484.8	57.69	-16.31	74	47.5	27.64	18.86	36.31	100	121	P	V
		2485.92	46.66	-7.34	54	36.47	27.64	18.86	36.31	100	121	A	V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 10 2457MHz	*	2457	108.34	-	-	98.3	27.53	18.81	36.3	246	352	P	H
	*	2457	100.57	-	-	90.53	27.53	18.81	36.3	246	352	A	H
		2484.3	61.26	-12.74	74	51.07	27.64	18.86	36.31	246	352	P	H
		2483.5	49.14	-4.86	54	38.96	27.63	18.86	36.31	246	352	A	H
	*	2457	112.08	-	-	102.04	27.53	18.81	36.3	100	142	P	H
	*	2457	104.16	-	-	94.12	27.53	18.81	36.3	100	142	A	H
		2483.55	65.51	-8.49	74	55.33	27.63	18.86	36.31	100	142	P	H
		2483.55	50.37	-3.63	54	40.19	27.63	18.86	36.31	100	142	A	H
802.11g CH 11 2462MHz	*	2462	102.66	-	-	92.59	27.55	18.82	36.3	146	0	P	H
	*	2462	94.28	-	-	84.21	27.55	18.82	36.3	146	0	A	H
		2483.72	62.07	-11.93	74	51.89	27.63	18.86	36.31	146	0	P	H
		2484	45.64	-8.36	54	35.45	27.64	18.86	36.31	146	0	A	H
													H
													H
	*	2462	108.91	-	-	98.84	27.55	18.82	36.3	107	134	P	V
	*	2462	100.74	-	-	90.67	27.55	18.82	36.3	107	134	A	V
		2484	65.03	-8.97	74	54.84	27.64	18.86	36.31	107	134	P	V
		2483.64	49.82	-4.18	54	39.64	27.63	18.86	36.31	107	134	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 802.11g (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4824	44.35	-29.65	74	36.46	32.4	13.05	37.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11g													H
CH 01		4824	43.09	-30.91	74	35.2	32.4	13.05	37.56	-	-	P	V
2412MHz													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4874	43.03	-30.97	74	35.09	32.5	13.04	37.6	-	-	P	H
		7311	62.06	-11.94	74	47.81	36.9	15.88	38.53	229	117	P	H
		7311	50.21	-3.79	54	35.96	36.9	15.88	38.53	229	117	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11g													H
CH 06		4874	43.92	-30.08	74	35.98	32.5	13.04	37.6	-	-	P	V
2437MHz		7311	59.59	-14.41	74	45.34	36.9	15.88	38.53	280	183	P	V
		7311	48.22	-5.78	54	33.97	36.9	15.88	38.53	280	183	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4924	43.03	-30.97	74	34.89	32.74	13.03	37.63	-	-	P	H
		7386	48.81	-25.19	74	34.79	36.68	15.93	38.59	105	181	P	H
		7386	39.25	-14.75	54	25.23	36.68	15.93	38.59	105	181	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11g													H
CH 11		4924	44.13	-29.87	74	35.99	32.74	13.03	37.63	-	-	P	V
2462MHz		7386	48.09	-25.91	74	34.07	36.68	15.93	38.59	310	147	P	V
		7386	39.15	-14.85	54	25.13	36.68	15.93	38.59	310	147	A	V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only.

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		2389.905	59.05	-14.95	74	49.38	27.26	18.68	36.27	213	0	P	H
		2390	45.59	-8.41	54	35.92	27.26	18.68	36.27	213	0	A	H
	*	2412	101.42	-	-	91.63	27.35	18.72	36.28	213	0	P	H
	*	2412	93.56	-	-	83.77	27.35	18.72	36.28	213	0	A	H
802.11n													H
HT20													H
CH 01		2390	63.75	-10.25	74	54.08	27.26	18.68	36.27	100	120	P	V
2412MHz		2389.8	50.95	-3.05	54	41.28	27.26	18.68	36.27	100	120	A	V
	*	2412	109.18	-	-	99.39	27.35	18.72	36.28	100	120	P	V
	*	2412	101.75	-	-	91.96	27.35	18.72	36.28	100	120	A	V
													V
													V
		2388.24	57.65	-16.35	74	47.99	27.25	18.68	36.27	326	360	P	H
		2390	45.18	-8.82	54	35.51	27.26	18.68	36.27	326	360	A	H
	*	2417	107.09	-	-	97.27	27.37	18.73	36.28	326	360	P	H
	*	2417	99.55	-	-	89.73	27.37	18.73	36.28	326	360	A	H
802.11n													H
HT20													H
CH 02		2389.2	63.8	-10.2	74	54.13	27.26	18.68	36.27	100	133	P	V
2417MHz		2389.56	50.81	-3.19	54	41.14	27.26	18.68	36.27	100	133	A	V
	*	2417	111.08	-	-	101.26	27.37	18.73	36.28	100	133	P	V
	*	2417	103.66	-	-	93.84	27.37	18.73	36.28	100	133	A	V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		2390	59.87	-14.13	74	50.2	27.26	18.68	36.27	331	359	P	H
		2389.8	46.35	-7.65	54	36.68	27.26	18.68	36.27	331	359	A	H
	*	2422	108.85	-	-	99.01	27.39	18.74	36.29	331	359	P	H
	*	2422	100.88	-	-	91.04	27.39	18.74	36.29	331	359	A	H
802.11n													H
HT20													H
CH 03		2388.24	62.2	-11.8	74	52.54	27.25	18.68	36.27	100	130	P	V
2422MHz		2390	50.88	-3.12	54	41.21	27.26	18.68	36.27	100	130	A	V
	*	2422	113.3	-	-	103.46	27.39	18.74	36.29	100	130	P	V
	*	2422	105.48	-	-	95.64	27.39	18.74	36.29	100	130	A	V
													V
													V
		2386.16	51.84	-22.16	74	42.19	27.24	18.68	36.27	192	345	P	H
		2389.68	43.07	-10.93	54	33.4	27.26	18.68	36.27	192	345	A	H
	*	2437	109.77	-	-	99.84	27.45	18.77	36.29	192	345	P	H
	*	2437	102.44	-	-	92.51	27.45	18.77	36.29	192	345	A	H
802.11n		2484.48	51.94	-22.06	74	41.75	27.64	18.86	36.31	192	345	P	H
HT20		2484.4	42.22	-11.78	54	32.03	27.64	18.86	36.31	192	345	A	H
CH 06		2384.72	56.64	-17.36	74	47	27.24	18.67	36.27	100	121	P	V
2437MHz		2389.68	46.49	-7.51	54	36.82	27.26	18.68	36.27	100	121	A	V
	*	2437	114.83	-	-	104.9	27.45	18.77	36.29	100	121	P	V
	*	2437	106.86	-	-	96.93	27.45	18.77	36.29	100	121	A	V
		2486.64	59.56	-14.44	74	49.36	27.65	18.86	36.31	100	121	P	V
		2483.84	47.42	-6.58	54	37.23	27.64	18.86	36.31	100	121	A	V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	2457	105.98	-	-	95.94	27.53	18.81	36.3	395	66	P	H
	*	2457	98.1	-	-	88.06	27.53	18.81	36.3	395	66	A	H
		2485.9	61.29	-12.71	74	51.1	27.64	18.86	36.31	395	66	P	H
		2483.75	47.13	-6.87	54	36.94	27.64	18.86	36.31	395	66	A	H
802.11n													H
HT20													H
CH 10	*	2457	111.24	-	-	101.2	27.53	18.81	36.3	138	134	P	V
2457MHz	*	2457	103.58	-	-	93.54	27.53	18.81	36.3	138	134	A	V
		2483.7	65.58	-8.42	74	55.4	27.63	18.86	36.31	138	134	P	V
		2483.7	50.6	-3.4	54	40.42	27.63	18.86	36.31	138	134	A	V
													V
													V
	*	2462	103.9	-	-	93.83	27.55	18.82	36.3	177	0	P	H
	*	2462	96.15	-	-	86.08	27.55	18.82	36.3	177	0	A	H
		2484.4	57.26	-16.74	74	47.07	27.64	18.86	36.31	177	0	P	H
		2483.8	44.35	-9.65	54	34.16	27.64	18.86	36.31	177	0	A	H
802.11n													H
HT20													H
CH 11	*	2462	108.97	-	-	98.9	27.55	18.82	36.3	109	135	P	V
2462MHz	*	2462	100.19	-	-	90.12	27.55	18.82	36.3	109	135	A	V
		2485.64	64.86	-9.14	74	54.67	27.64	18.86	36.31	109	135	P	V
		2483.52	50.04	-3.96	54	39.86	27.63	18.86	36.31	109	135	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4804	42.54	-31.46	74	34.63	32.4	13.05	37.54	-	-	P	H
													H
													H
													H
802.11n													H
HT20													H
CH 01		4804	41.77	-32.23	74	33.86	32.4	13.05	37.54	-	-	P	V
2412MHz													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4874	42.51	-31.49	74	34.57	32.5	13.04	37.6	-	-	P	H
		7311	61.43	-12.57	74	47.18	36.9	15.88	38.53	221	122	P	H
		7311	50.3	-3.7	54	36.05	36.9	15.88	38.53	221	122	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 06		4874	43.7	-30.3	74	35.76	32.5	13.04	37.6	-	-	P	V
2437MHz		7311	60.11	-13.89	74	45.86	36.9	15.88	38.53	282	182	P	V
		7311	49.07	-4.93	54	34.82	36.9	15.88	38.53	282	182	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		4924	44.56	-29.44	74	36.42	32.74	13.03	37.63	-	-	P	H
		7386	54.18	-19.82	74	40.16	36.68	15.93	38.59	250	125	P	H
		7386	44.69	-9.31	54	30.67	36.68	15.93	38.59	250	125	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 11		4924	44.26	-29.74	74	36.12	32.74	13.03	37.63	-	-	P	V
2462MHz		7386	47.78	-26.22	74	33.76	36.68	15.93	38.59	-	-	P	V
													V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only.

Emission above 18GHz

2.4GHz WIFI 802.11g (SHF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g SHF		24573	42.83	-31.17	74	37.08	39.67	19.28	53.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		24916	41.96	-32.04	74	35.83	39.67	19.66	53.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		30	23.87	-16.13	40	33.67	24.56	1.04	35.66	-	-	P	H
		111.48	27.67	-15.83	43.5	43.78	17.26	1.97	35.52	-	-	P	H
		196.84	27.95	-15.55	43.5	45.53	15.02	2.58	35.38	-	-	P	H
		746.83	34.1	-11.9	46	34.74	27.96	4.85	33.75	-	-	P	H
		856.44	34.89	-11.11	46	33.28	29.24	5.03	33.3	-	-	P	H
		936.95	36.09	-9.91	46	33.15	30.16	5.38	33.02	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	23.88	-16.12	40	33.68	24.56	1.04	35.66	-	-	P	V
		108.57	29.56	-13.94	43.5	45.8	17.16	1.94	35.52	-	-	P	V
		133.79	29.37	-14.13	43.5	44.75	17.76	2.13	35.51	-	-	P	V
		745.86	32.41	-13.59	46	33.08	27.95	4.84	33.76	-	-	P	V
		848.68	34.29	-11.71	46	32.91	29.06	4.98	33.34	-	-	P	V
		943.74	35.59	-10.41	46	32.3	30.47	5.38	33	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBµV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

3. Margin(dB) = Level(dBµV/m) – Limit Line(dBµV/m)

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBµV) – 35.86 (dB)

= 55.45 (dBµV/m)

2. Margin(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBµV) – 35.86 (dB)

= 43.54 (dBµV/m)

2. Margin(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".

Appendix D. Radiated Spurious Emission Plots

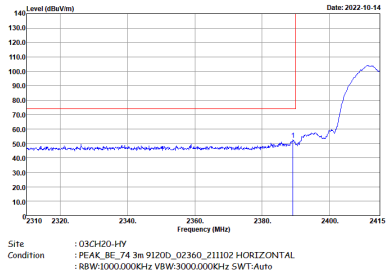
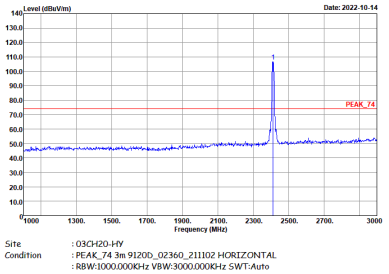
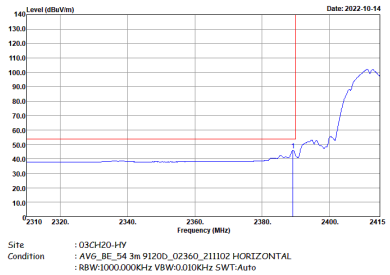
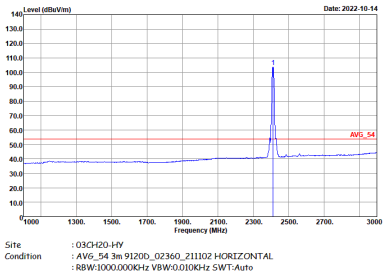
Test Engineer :	John Chuang, Leo Li, JC Liang and Steven Wu	**Temperature :**	21.1~23.1°C
		Relative Humidity :	66~69%

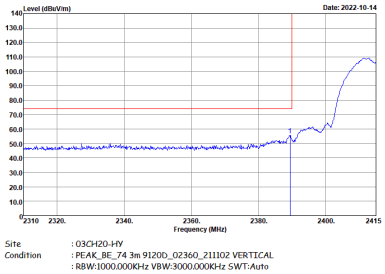
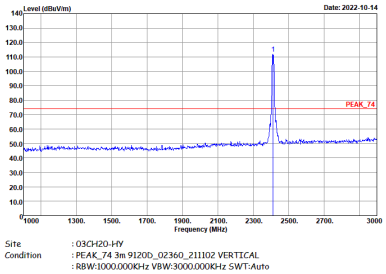
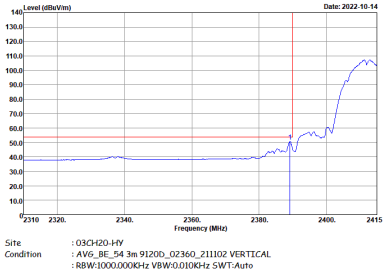
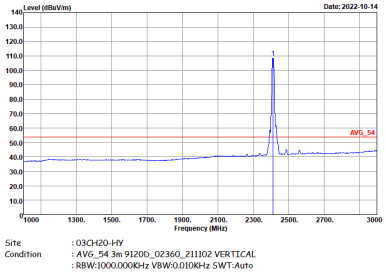
Note symbol

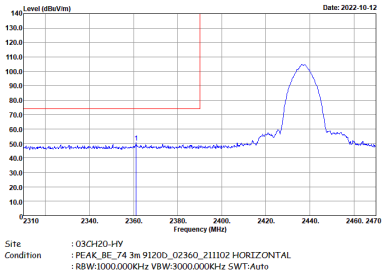
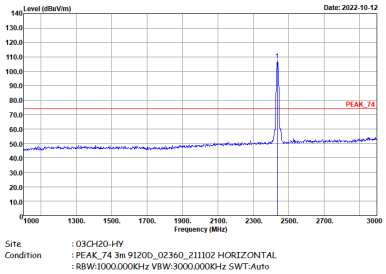
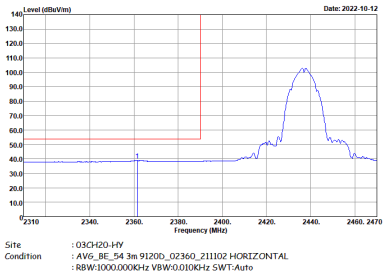
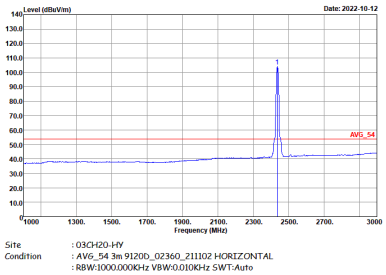
-L	**Low channel location**
-R	**High channel location**

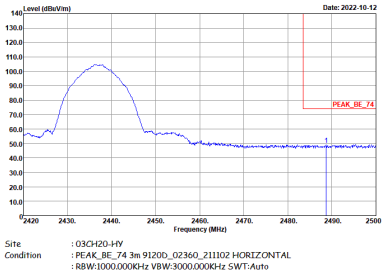
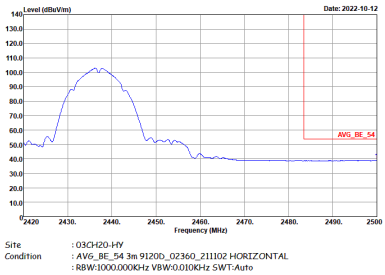
2.4GHz 2400~2483.5MHz

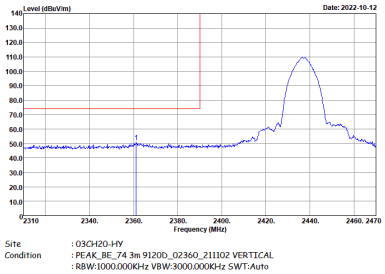
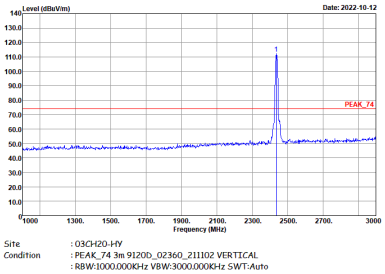
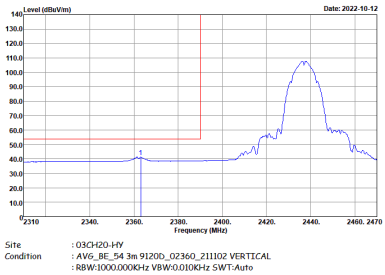
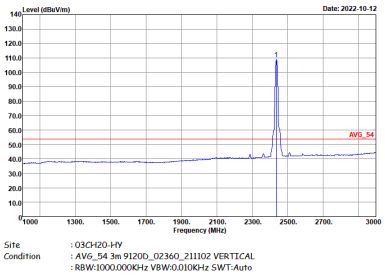
WIFI 802.11b (Band Edge @ 3m)

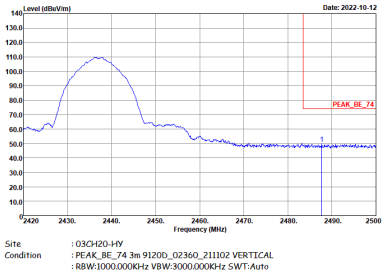
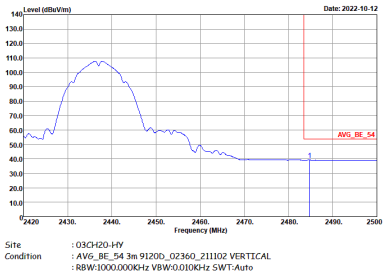
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

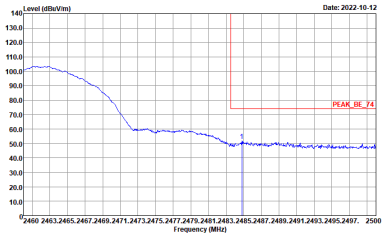
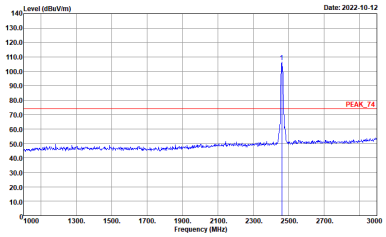
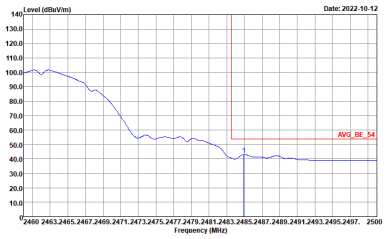
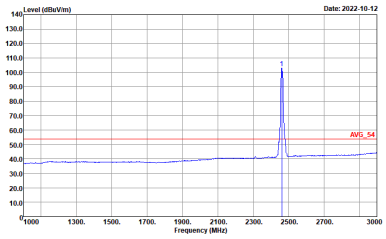
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

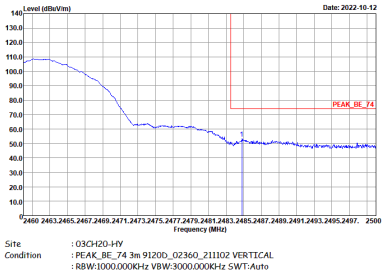
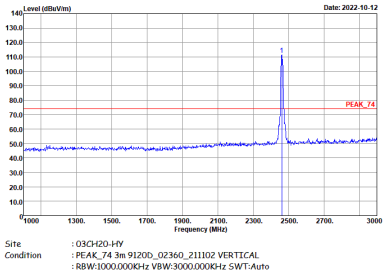
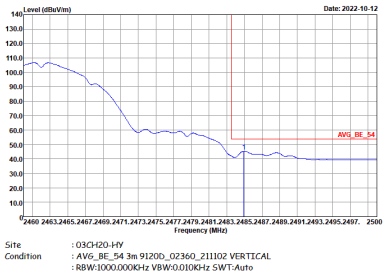
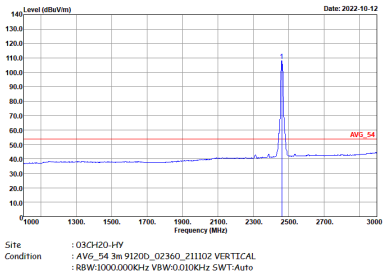
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

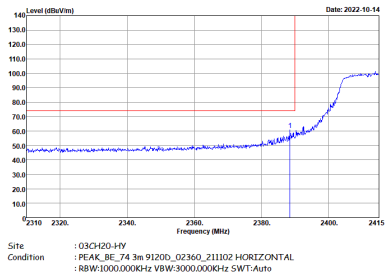
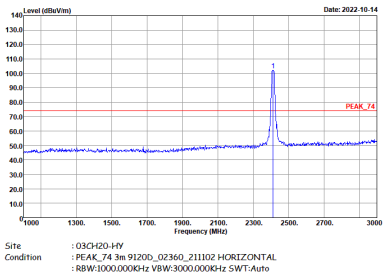
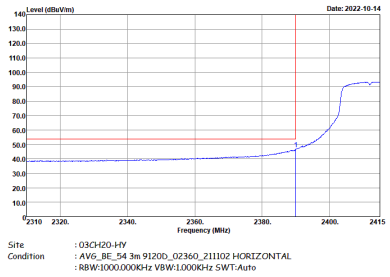
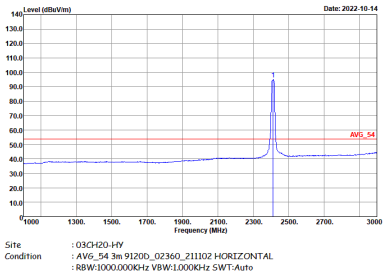
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

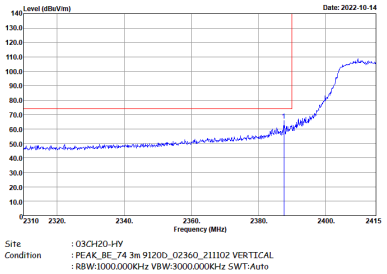
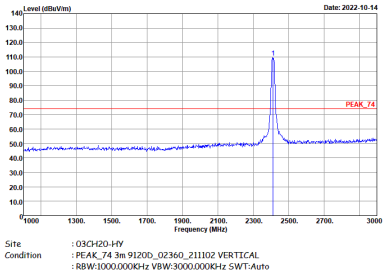
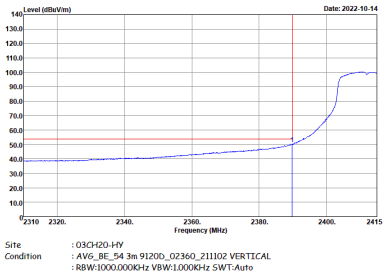
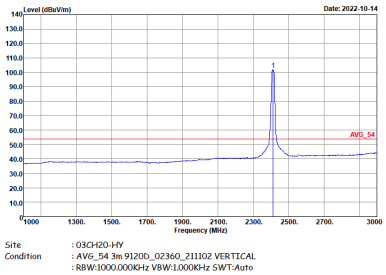
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

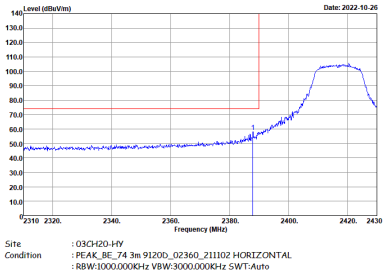
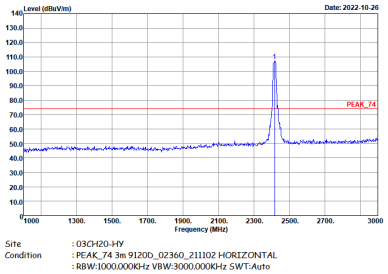
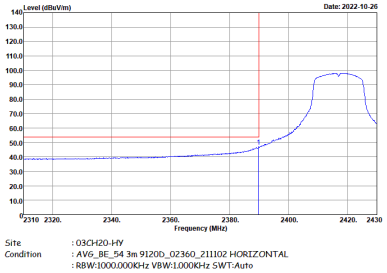
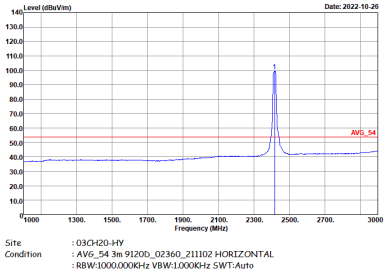
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

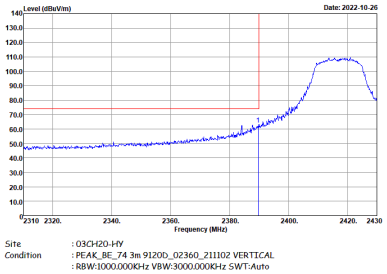
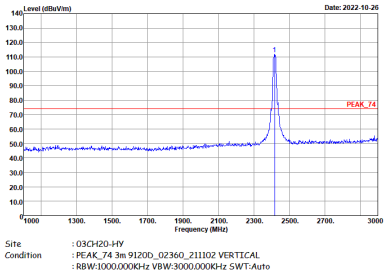
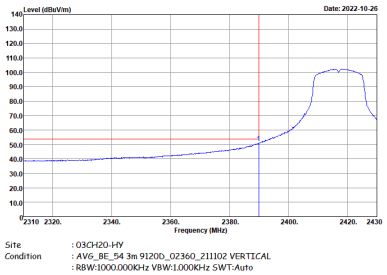
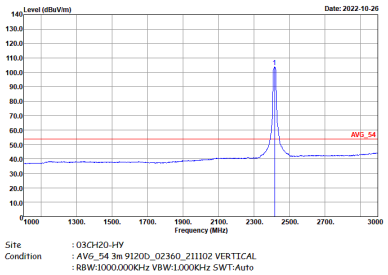
2.4GHz 2400~2483.5MHz

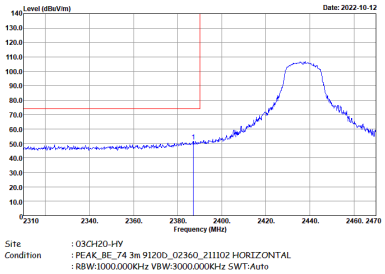
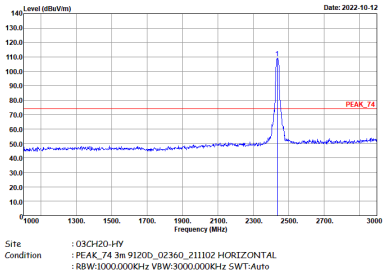
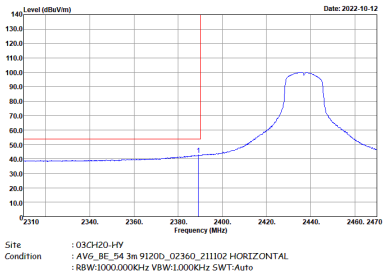
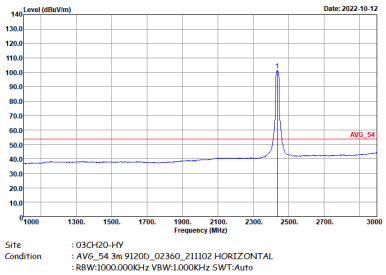
WIFI 802.11g (Band Edge @ 3m)

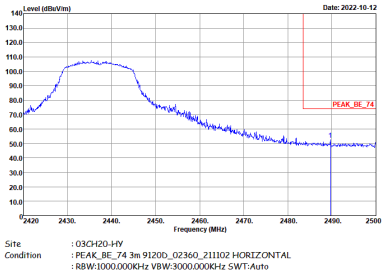
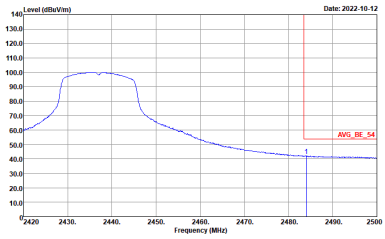
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

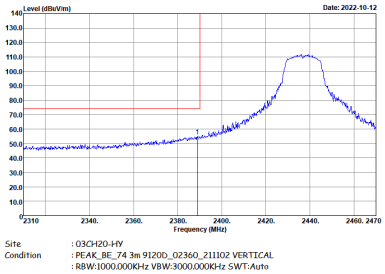
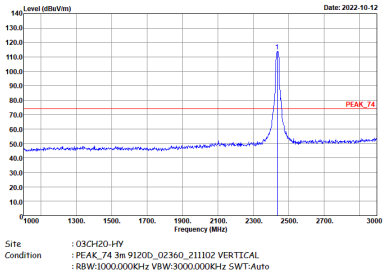
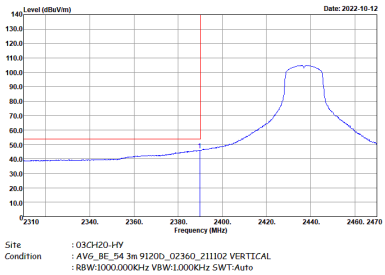
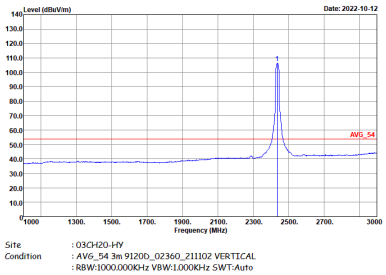
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

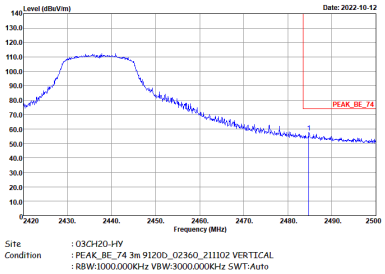
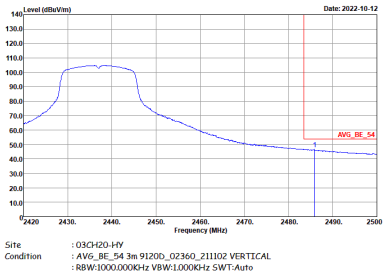
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH02 2417MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

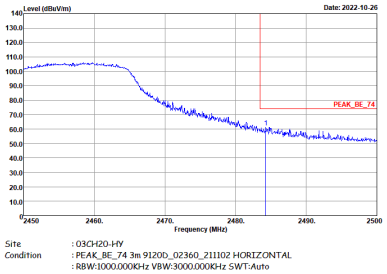
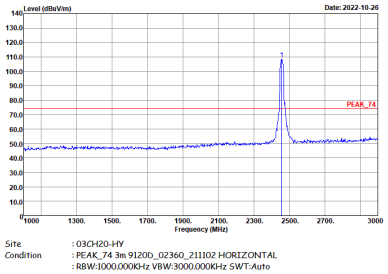
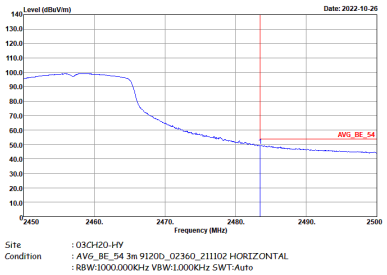
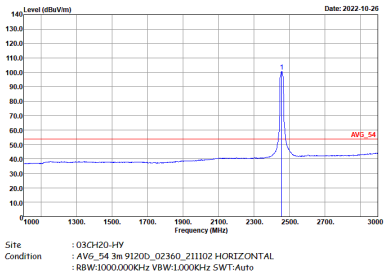
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH02 2417MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

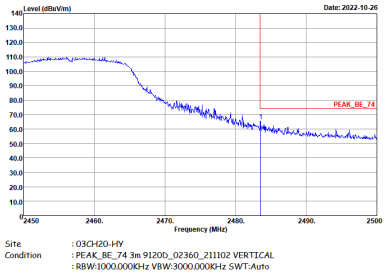
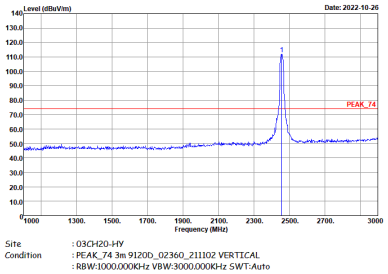
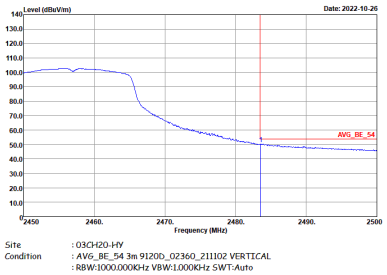
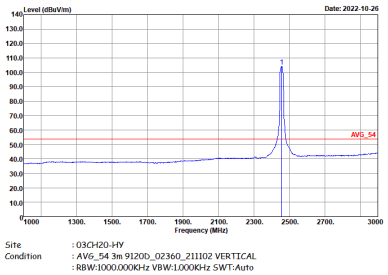
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

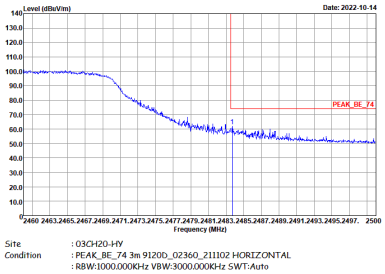
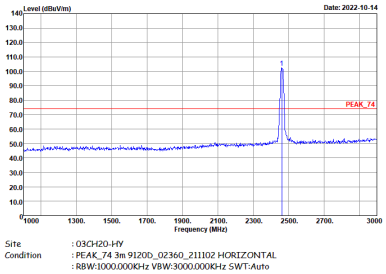
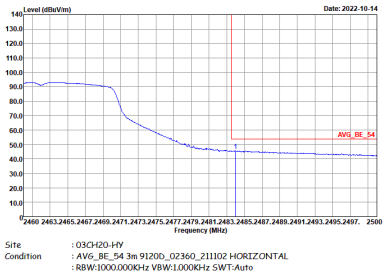
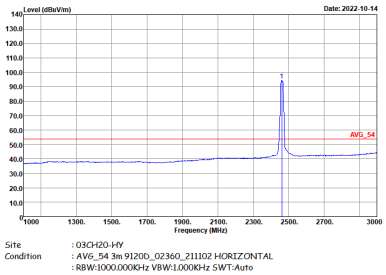
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

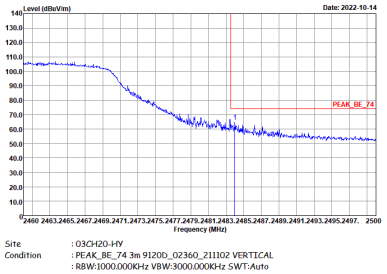
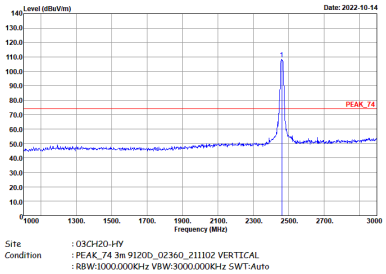
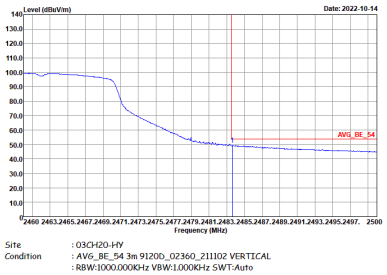
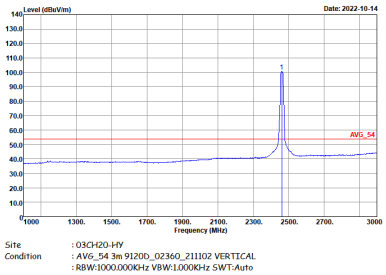
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH10 2457MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

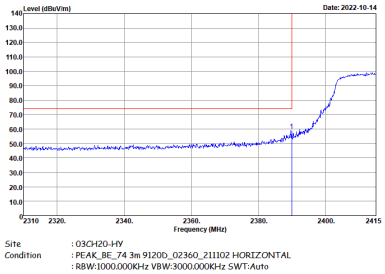
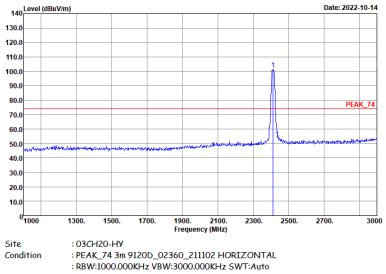
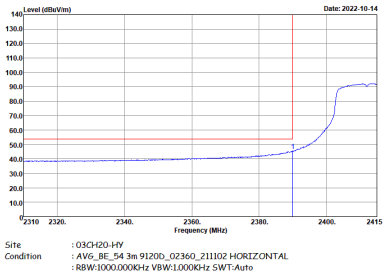
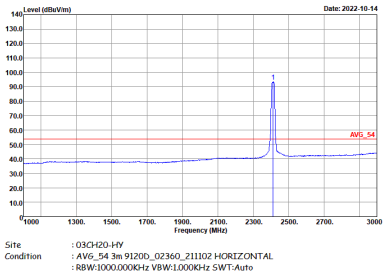
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH10 2457MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

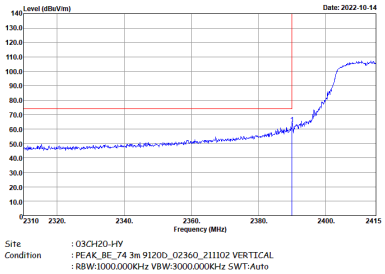
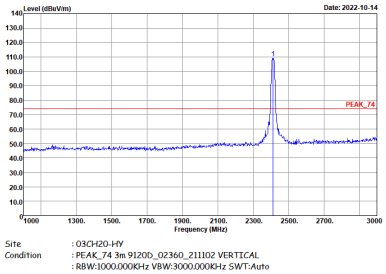
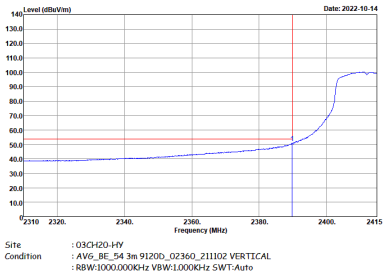
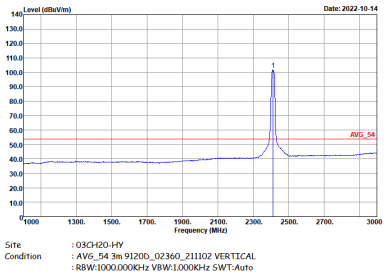
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

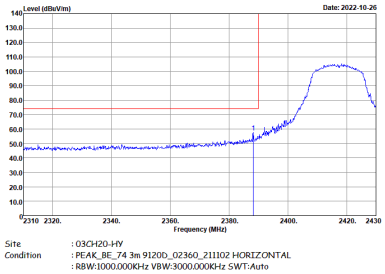
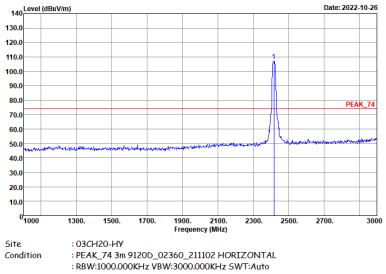
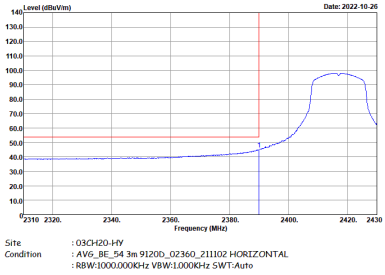
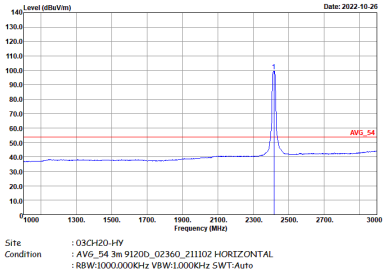
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

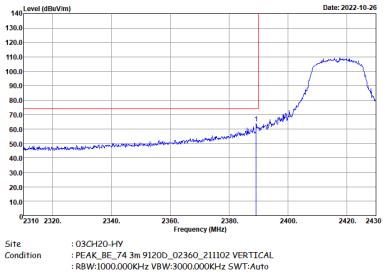
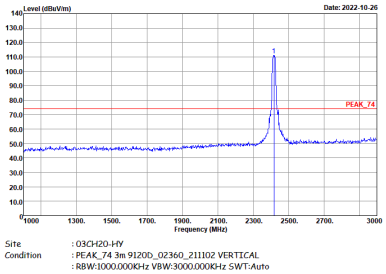
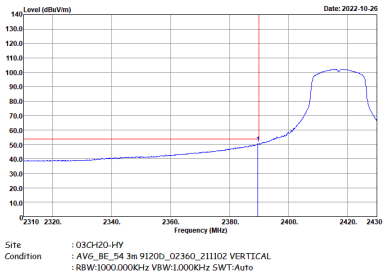
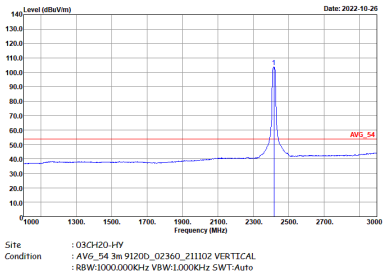
2.4GHz 2400~2483.5MHz

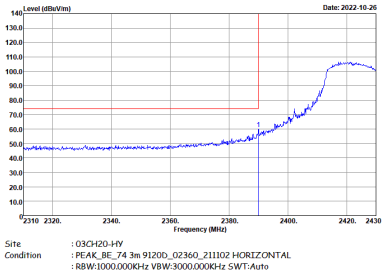
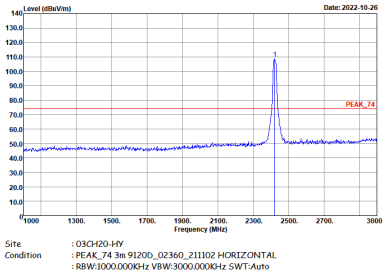
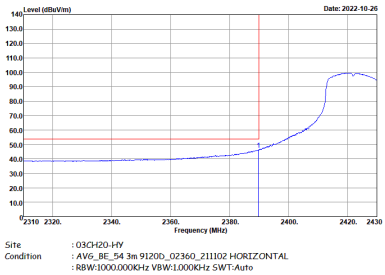
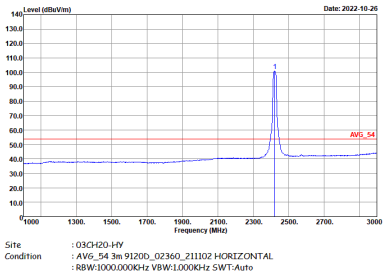
WIFI 802.11n HT20 (Band Edge @ 3m)

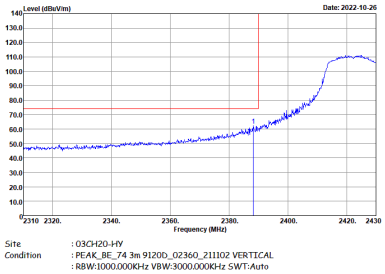
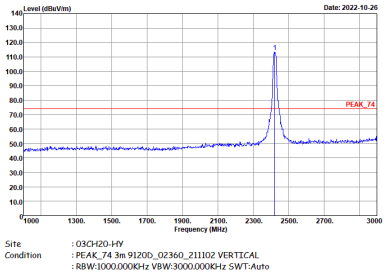
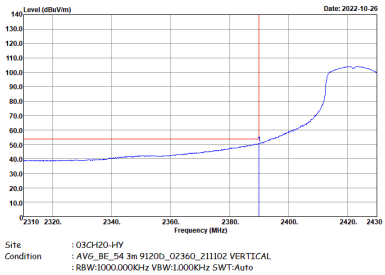
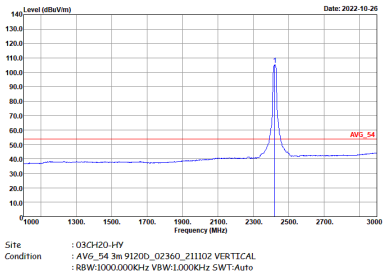
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

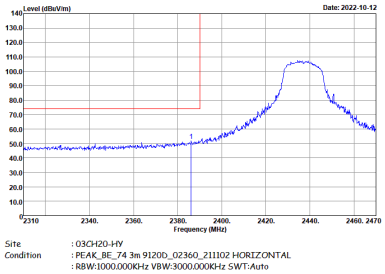
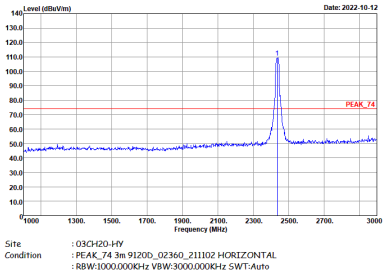
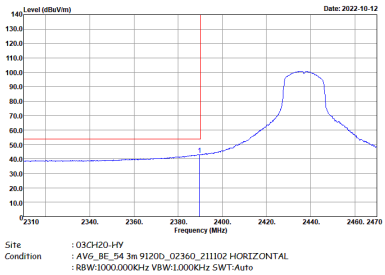
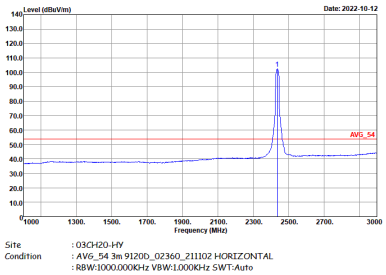
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

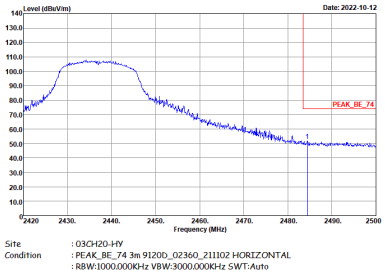
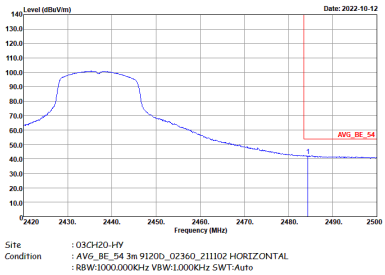
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH02 2417MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

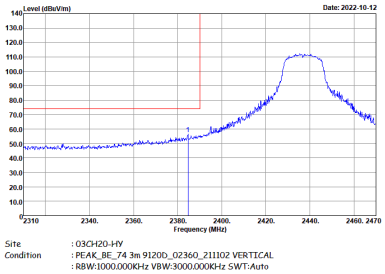
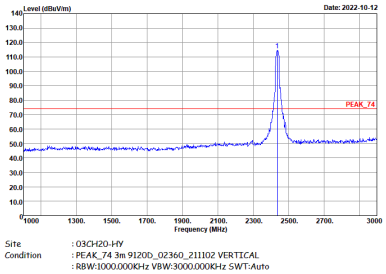
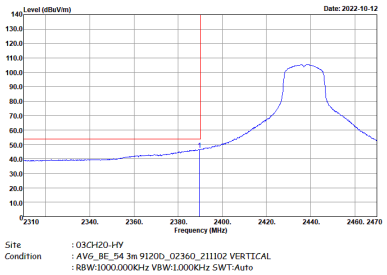
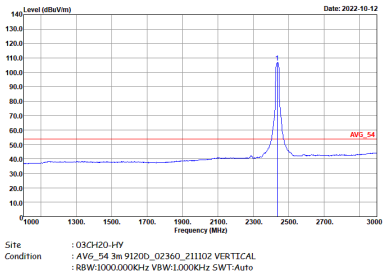
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH02 2417MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

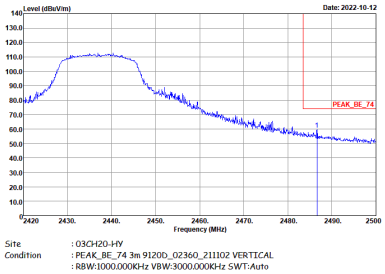
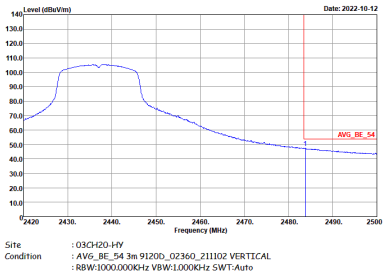
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH03 2422MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

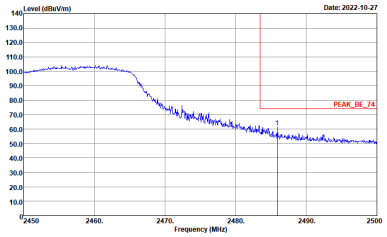
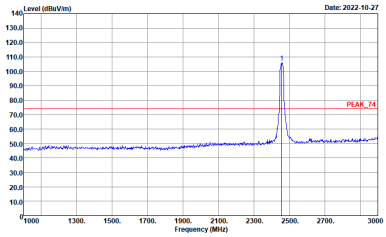
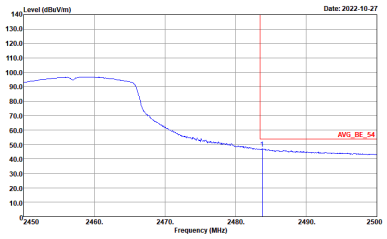
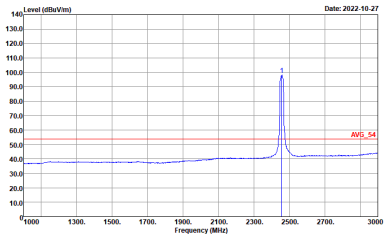
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH03 2422MHz	
1	Vertical	Fundamental
Peak		
Avg.		

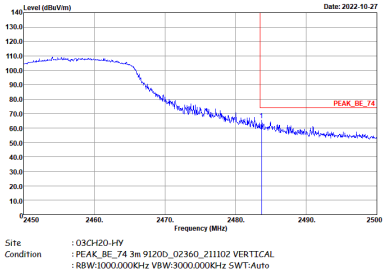
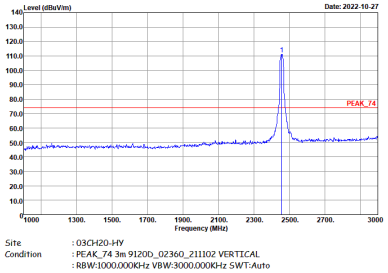
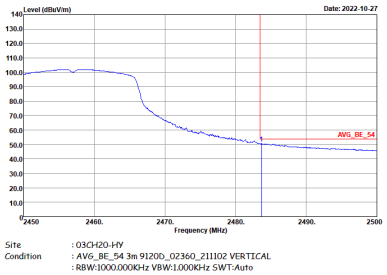
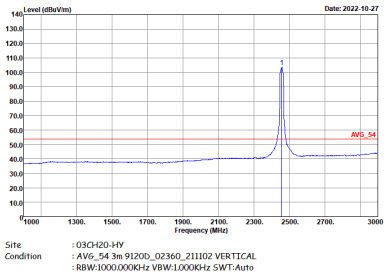
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

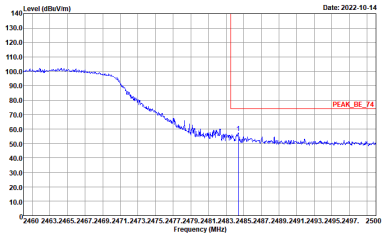
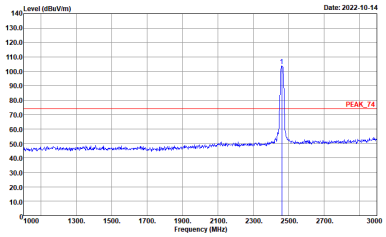
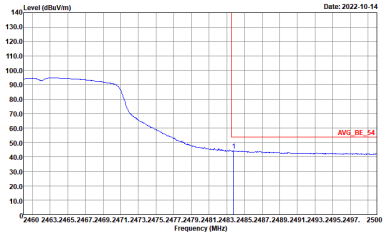
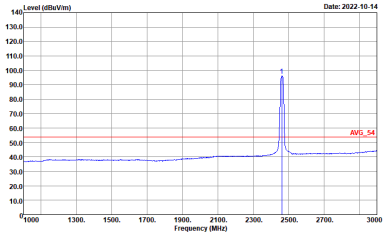
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

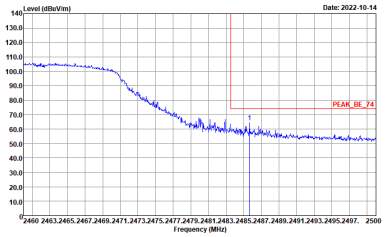
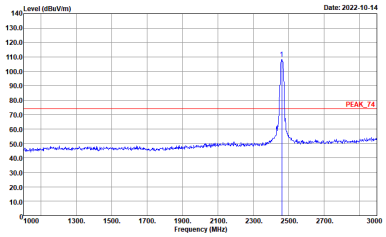
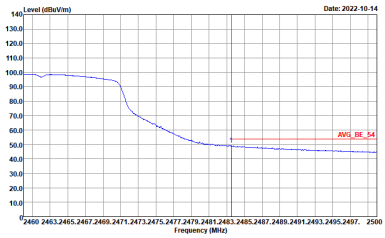
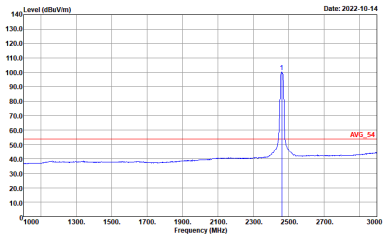
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH10 2457MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

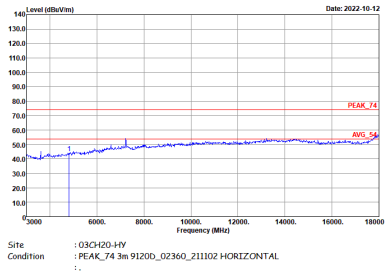
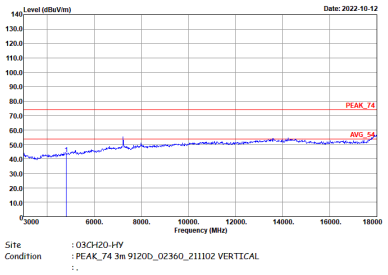
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH10 2457MHz	
1	Vertical	Fundamental
Peak		
Avg.		

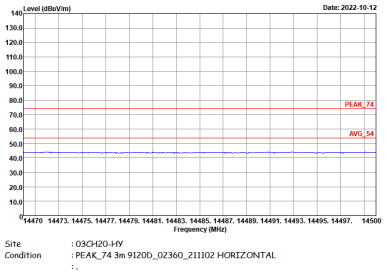
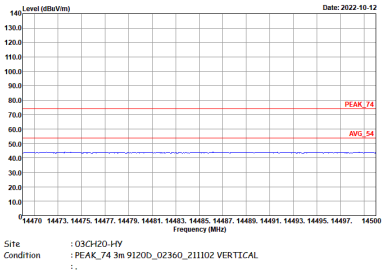
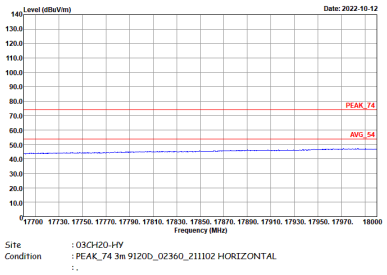
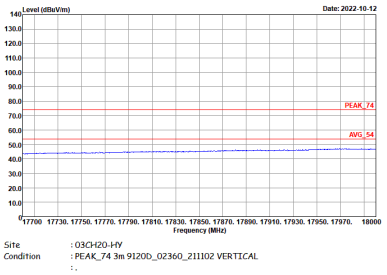
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

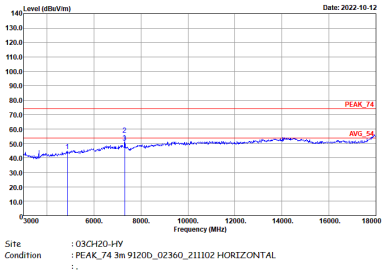
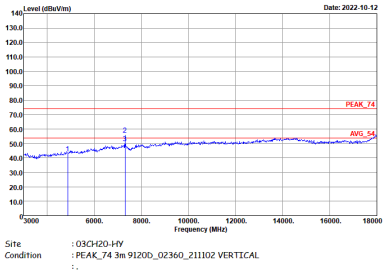
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_211102 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

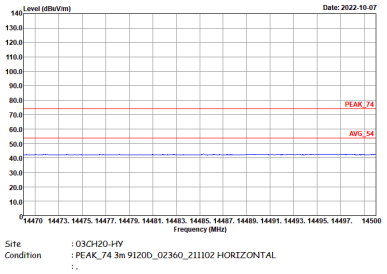
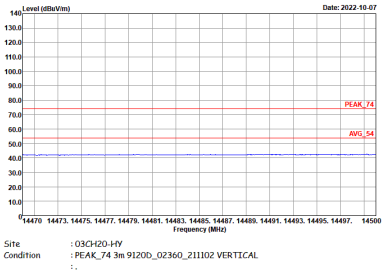
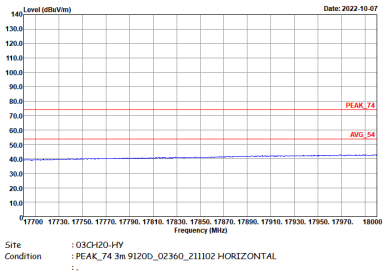
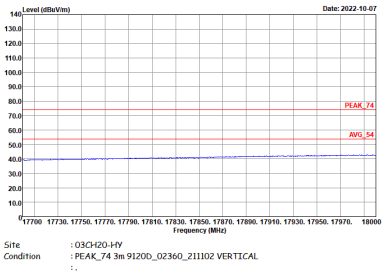
2.4GHz 2400~2483.5MHz

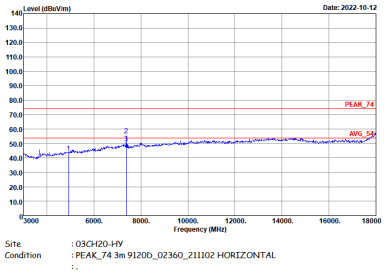
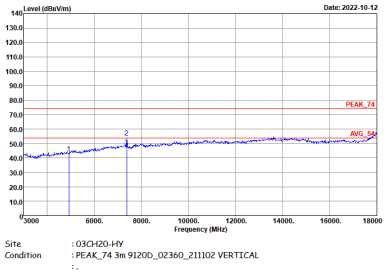
WIFI 802.11b (Harmonic @ 3m)

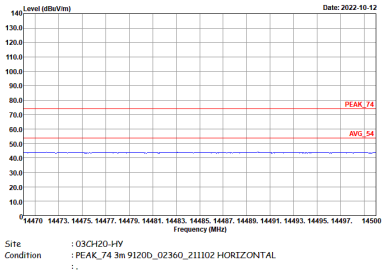
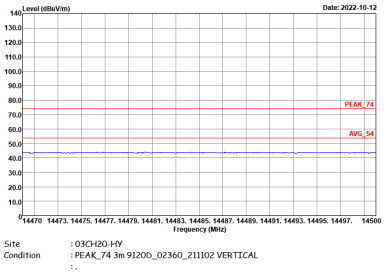
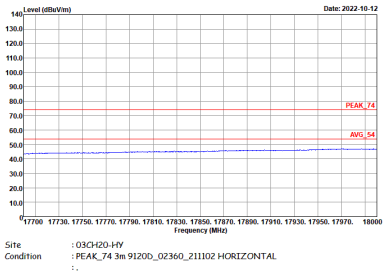
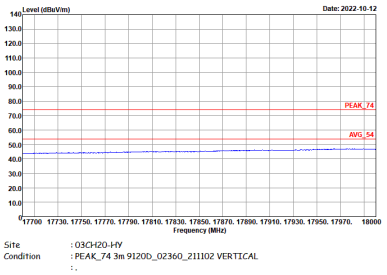
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

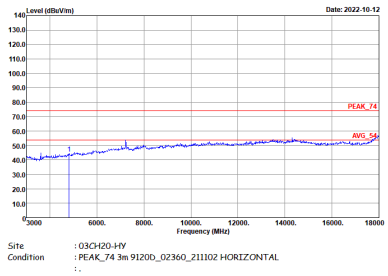
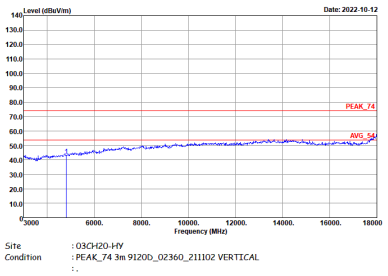
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

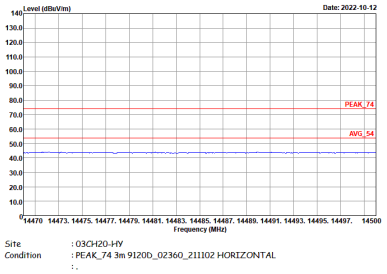
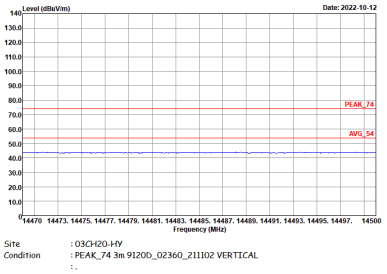
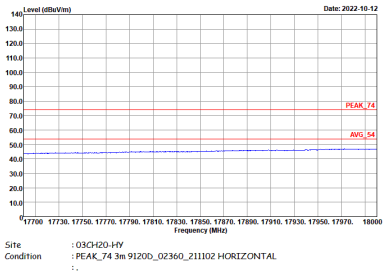
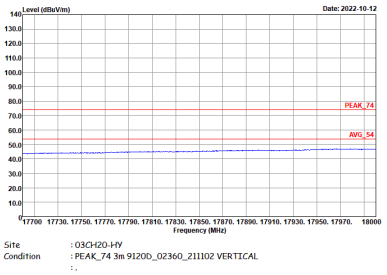
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.		

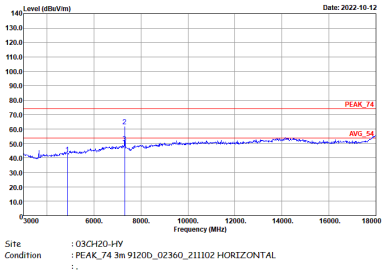
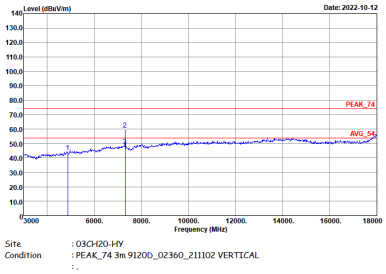
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

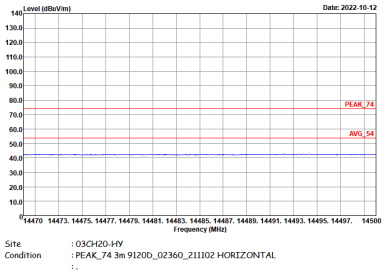
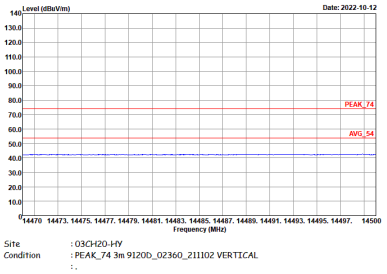
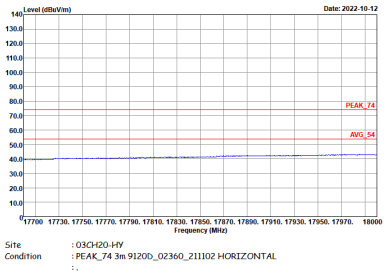
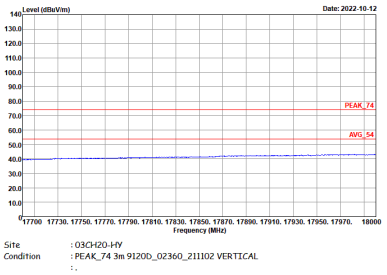
2.4GHz 2400~2483.5MHz

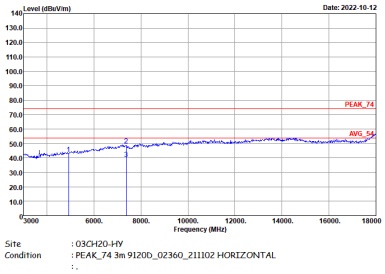
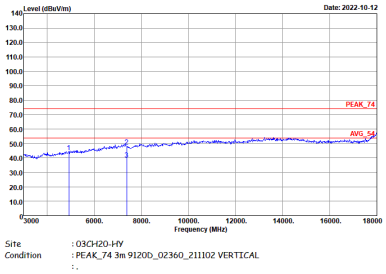
WIFI 802.11g (Harmonic @ 3m)

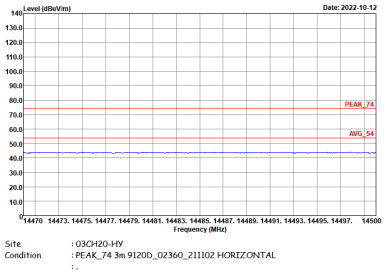
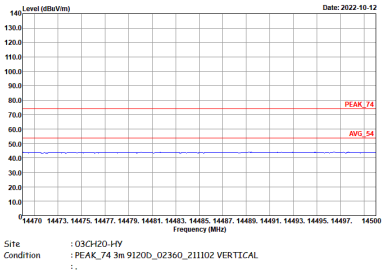
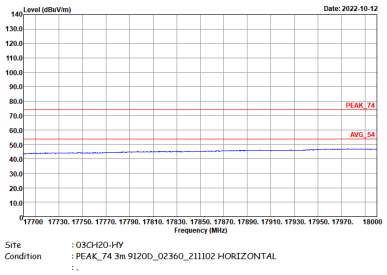
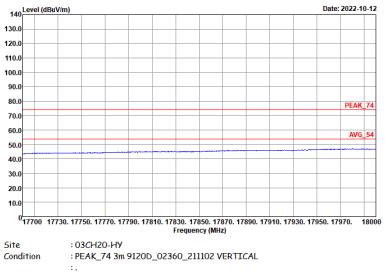
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL
17.7G ~18G Avg	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_211102 VERTICAL

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.