



FCC RADIO TEST REPORT

FCC ID : NKRD54A4
Equipment : Cellular Backup Bridge
Brand Name : ADT
Model Name : S30B1R0-01
Applicant : Wistron NeWeb Corp.
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer : Wistron NeWeb Corp.
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan
Standard : FCC Part 15 Subpart C §15.247

The product was received on Oct. 01, 2021 and testing was started from Oct. 12, 2021 and completed on Nov. 12, 2021. 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 of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR193024	01	Initial issue of report	Nov. 17, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	0.42 dB under the limit at 4924.000 MHz
3.6	15.207	AC Conducted Emission	Pass	9.62 dB under the limit at 0.416 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	Pass	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Keven Cheng

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

The EUT is Cellular Backup Bridge with radio features (WCDMA/LTE and Wi-Fi 2.4GHz 802.11b/g/n) and uses integrated antenna as antenna configuration in the following table:

Antenna configuration		
Antenna Type	WWAN: Fixed Internal Antenna	
	WLAN: PCB antenna	
Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	2.63

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

1.2 Modification of EUT

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

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

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

Remark:

1. All test items were verified and recorded according to the standards without any deviation during the test.
2. This EUT has also been tested and shown compliance with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

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 find X plane as worst plane.

- 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 modulation schemes with highest power are used for all test cases. The final test items are considering the modulation schemes and the worst data rates as the table below.

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

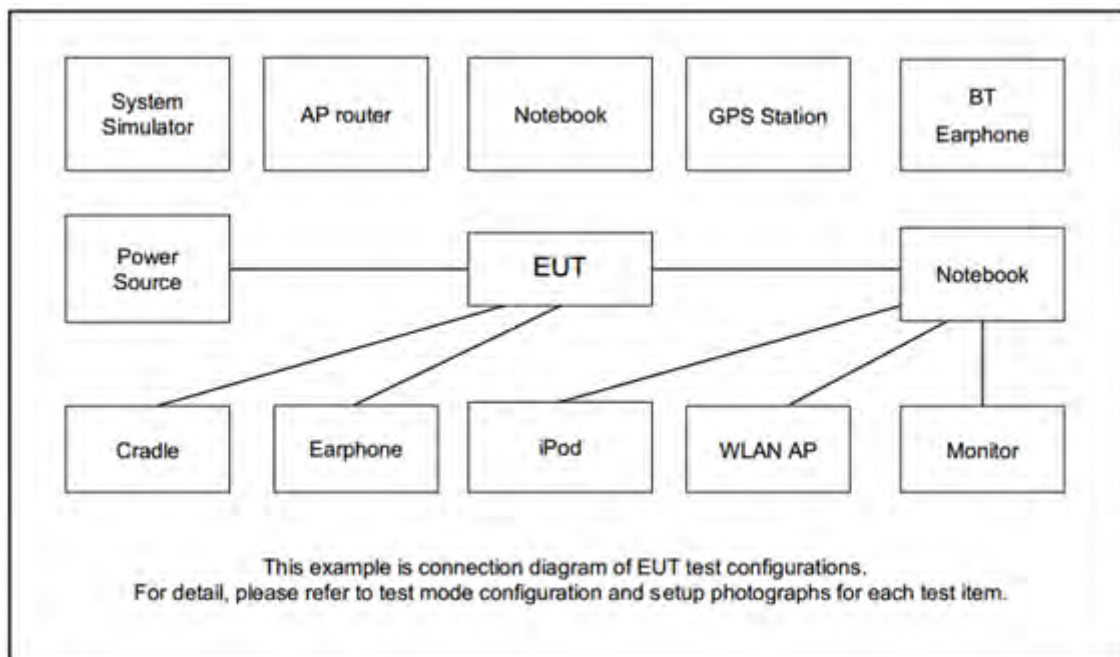
AC Conducted Emission Test Cases is listed in the following table:

AC Conducted Emission
Mode 1 :WCDMA Band V Idle + WLAN (2.4GHz) Link + Adapter

RF test channels are listed in the following table:

Ch. #	2400-2483.5 MHz			
	802.11b	802.11g	802.11n HT20	802.11n HT40
Low	01	01	01	03
				04
Middle	06	06	06	06
High	11	11	11	08
				09

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	Latitude 3400	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 “QRCT” 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

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.

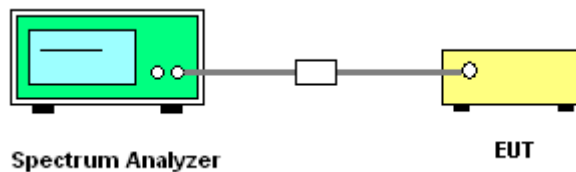
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
6. Measure and record the results in the test report.

3.1.4 Test Setup

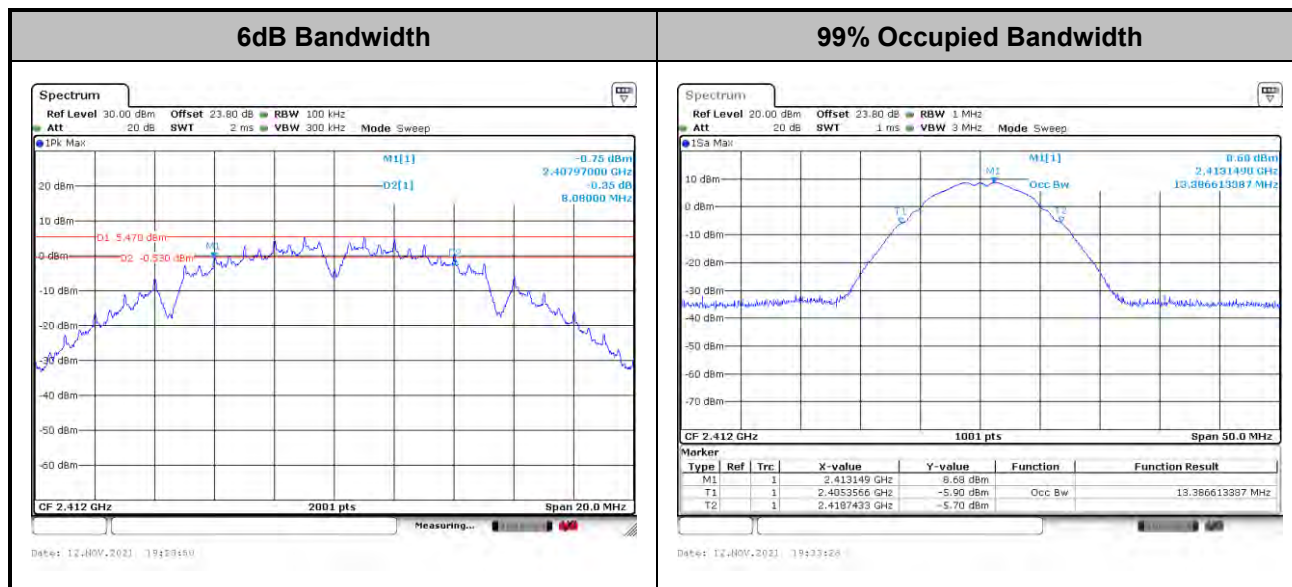




3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

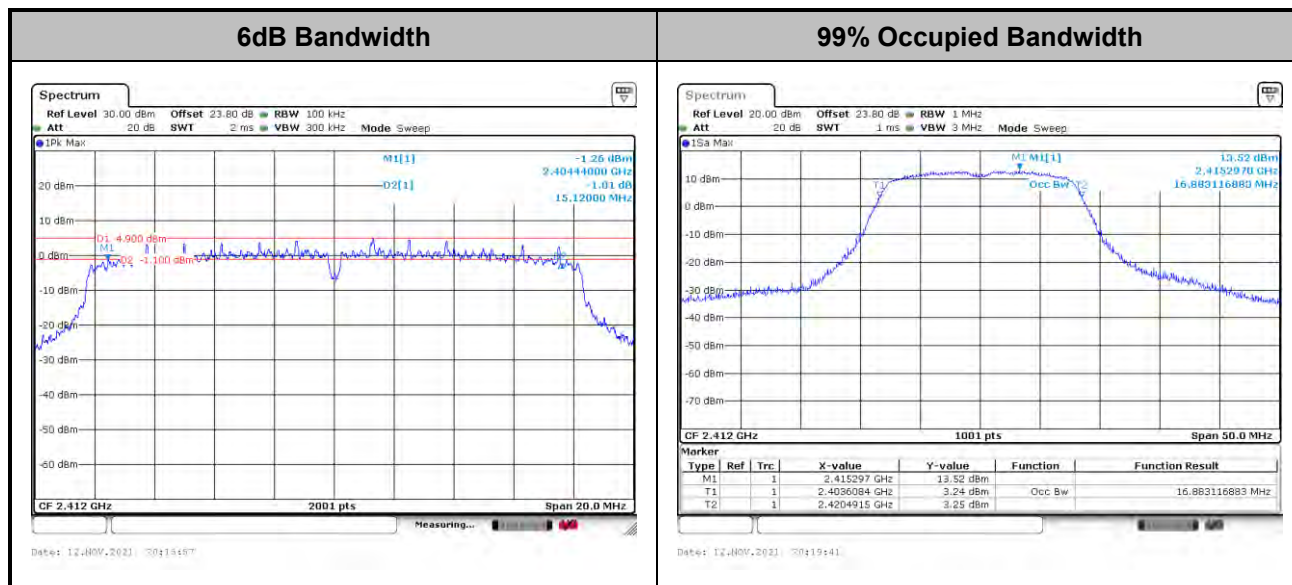
Please refer to Appendix A.

802.11b



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

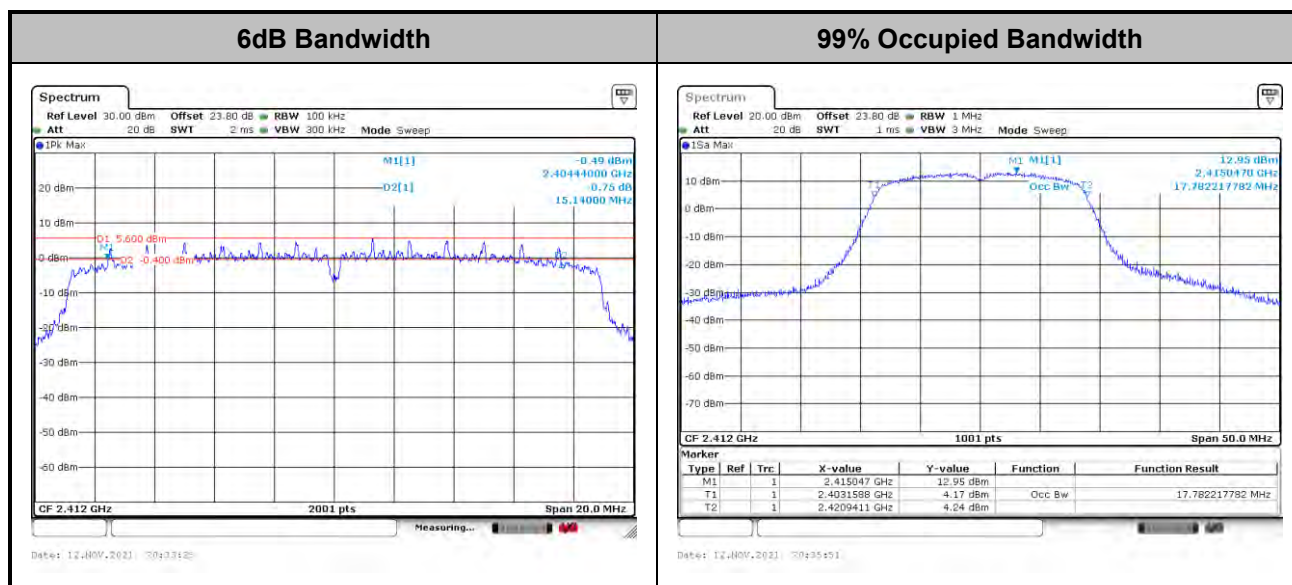
802.11g



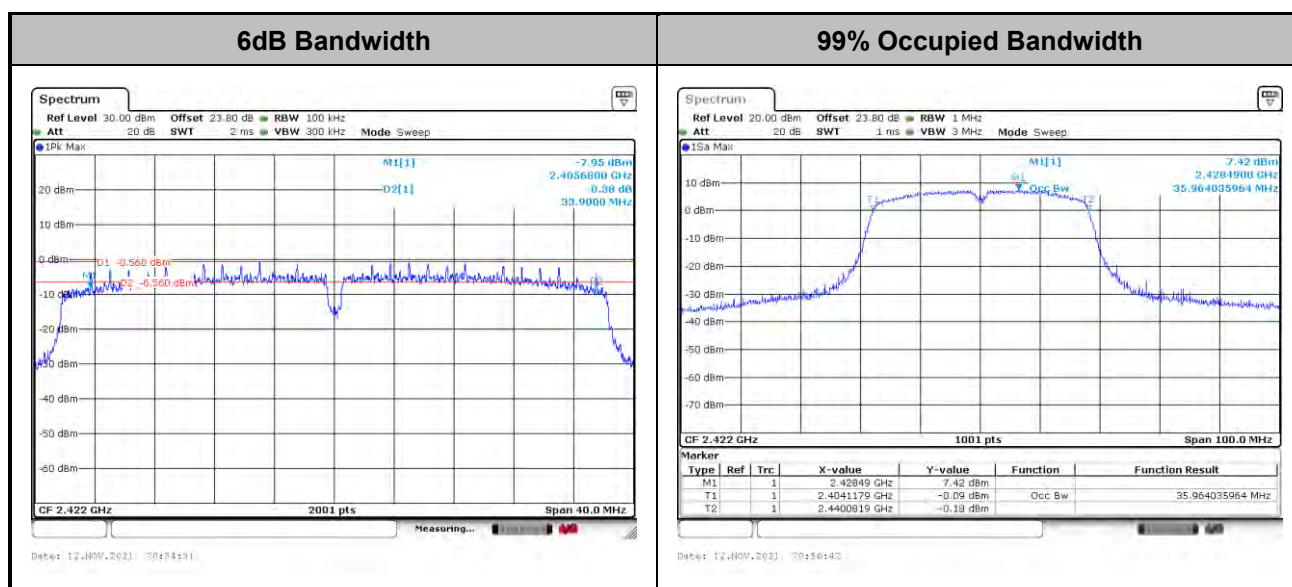
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



802.11n HT20



802.11n HT40



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.

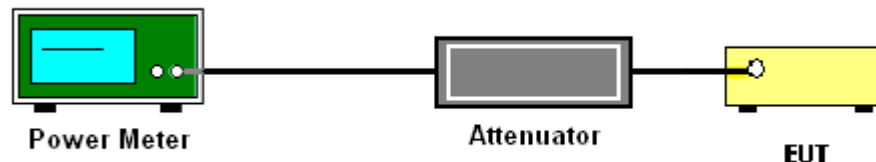
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. For Peak Power, the testing follows ANSI C63.10 Section 11.9.1.3 PKPM1
2. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.1 Method AVGPM
3. 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.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average Output Power (Reporting Only)

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.

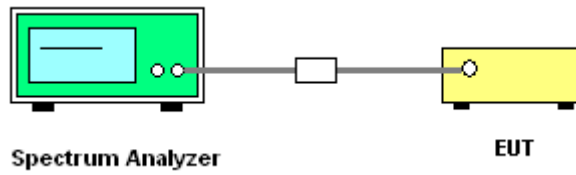
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

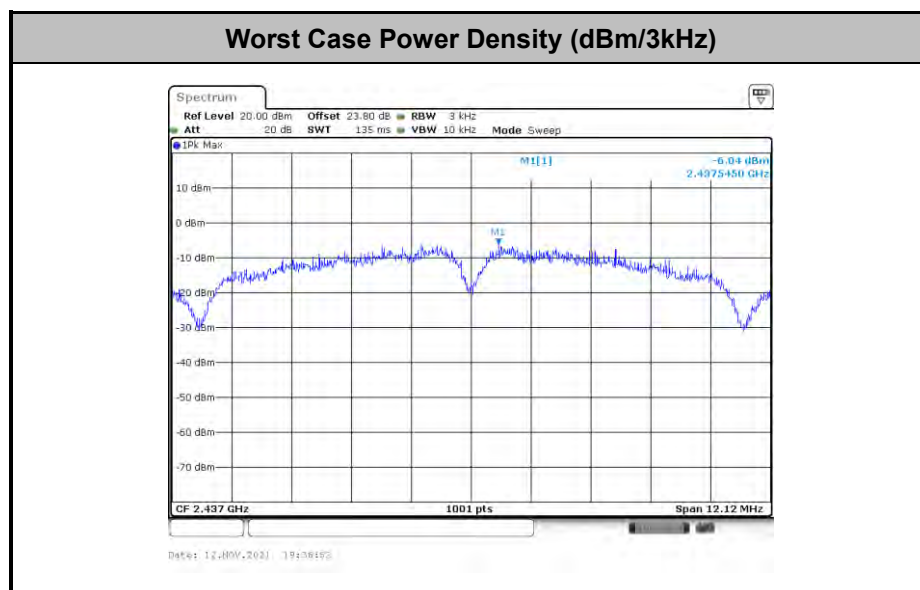
1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
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.



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.

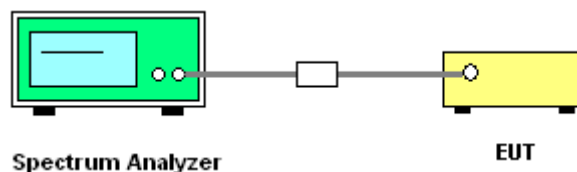
3.4.2 Measuring Instruments

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.

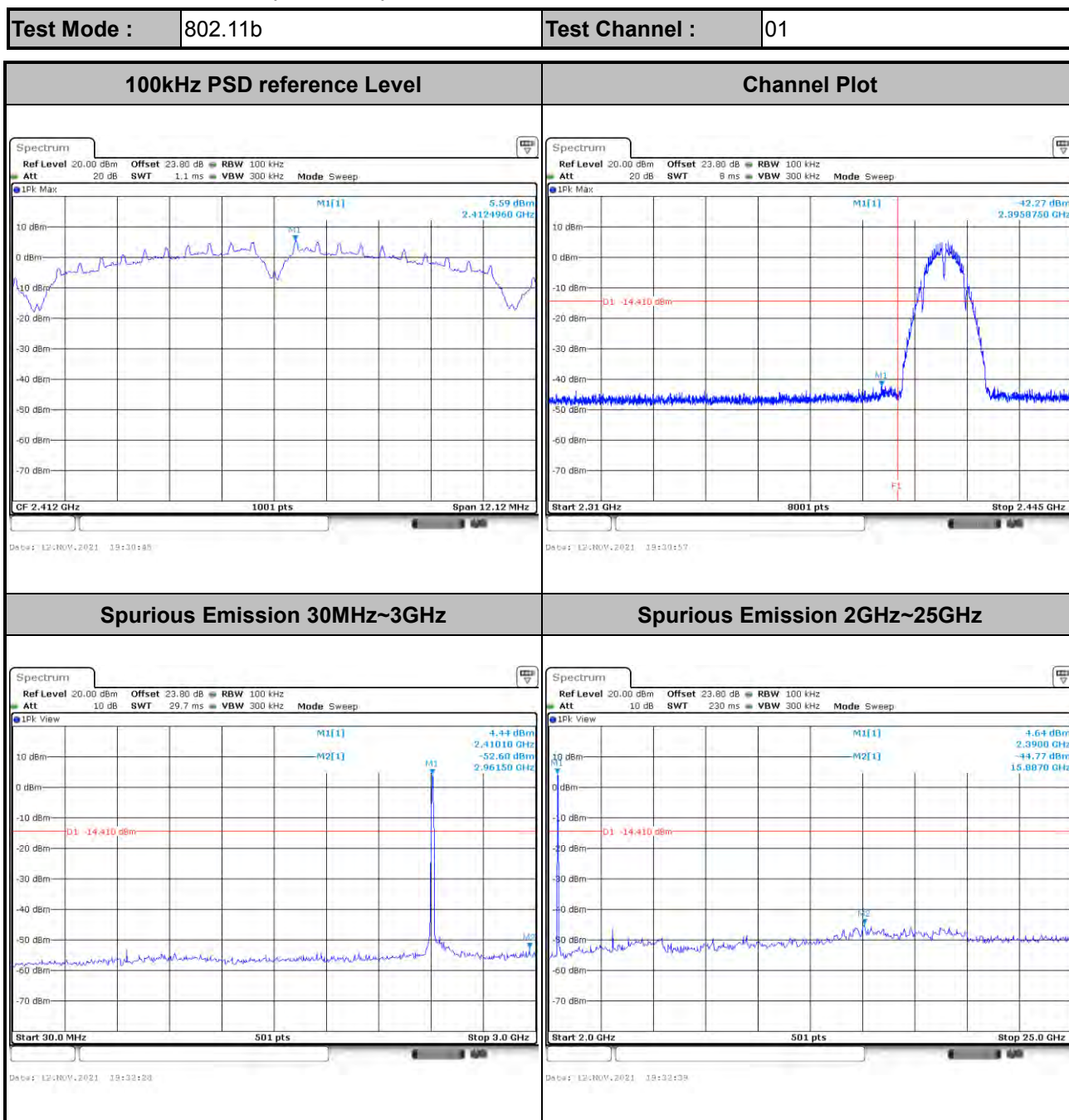
3.4.4 Test Setup





3.4.5 Test Result of Conducted Band Edges and Spurious Emission

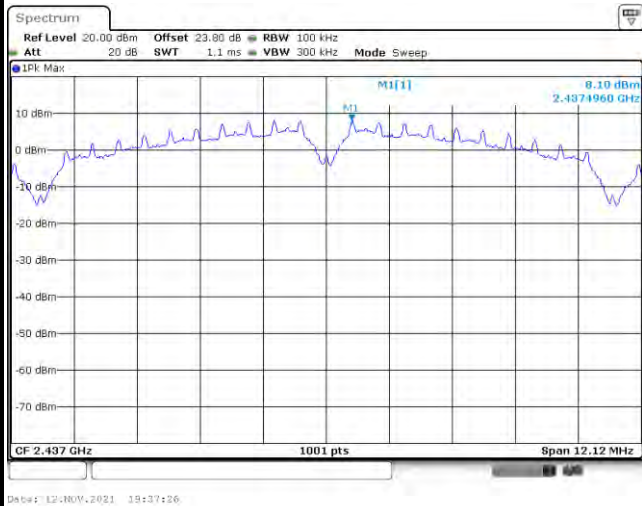
Number of TX = 1, Ant. 1 (Measured)





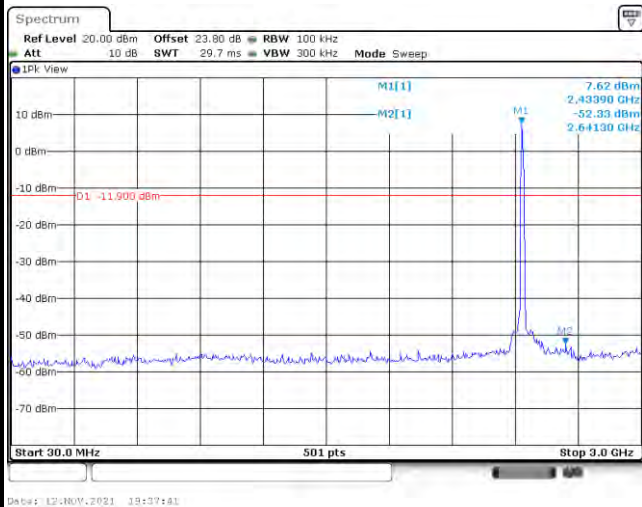
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100kHz PSD reference Level

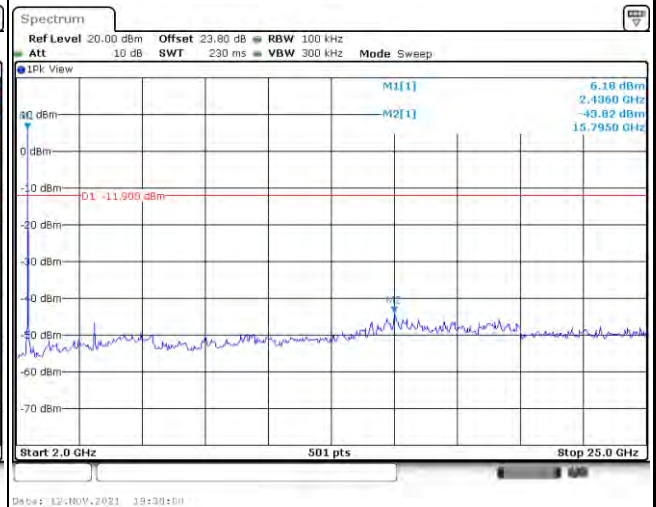


Channel Plot

Spurious Emission 30MHz~3GHz

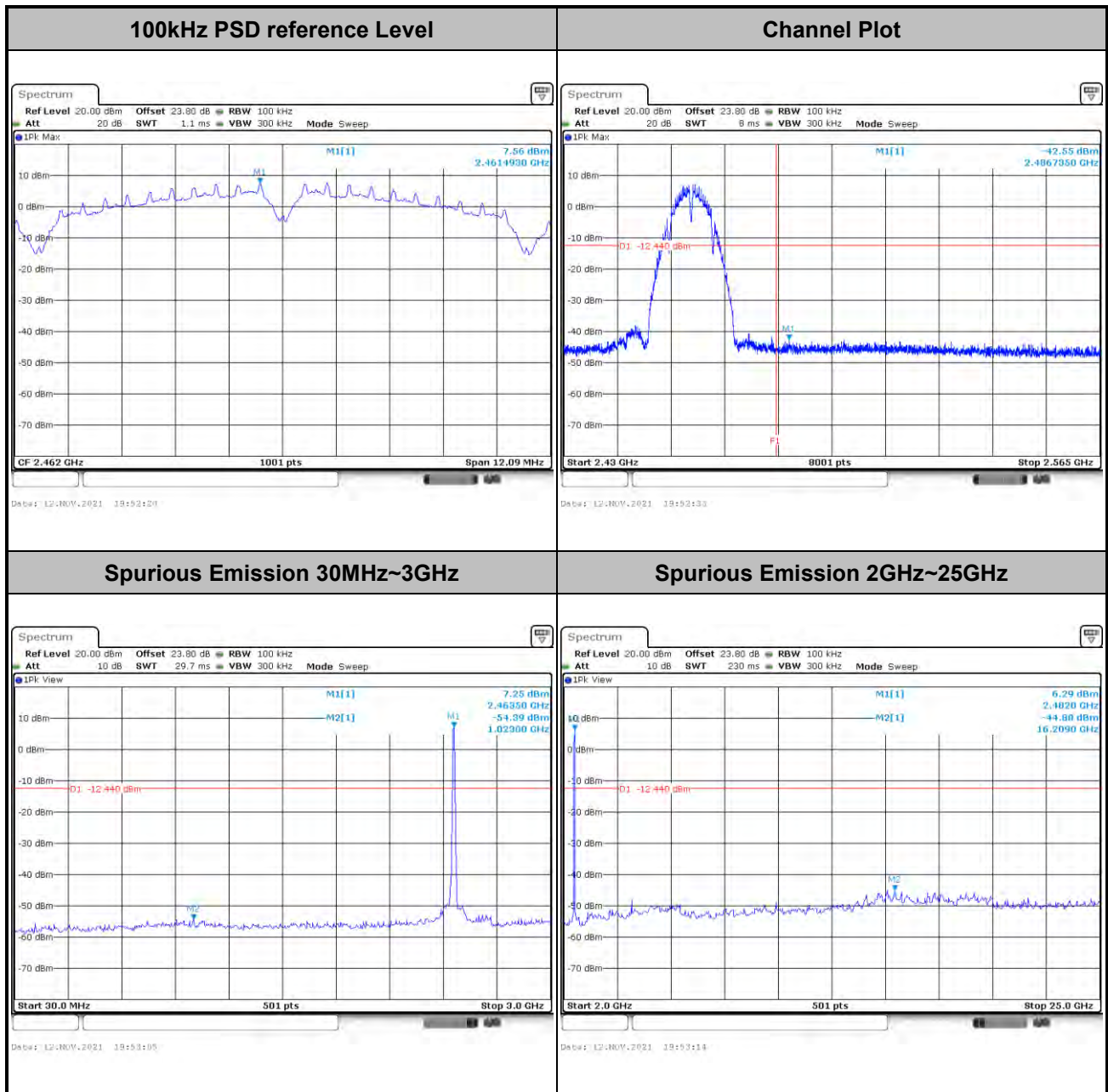


Spurious Emission 2GHz~25GHz





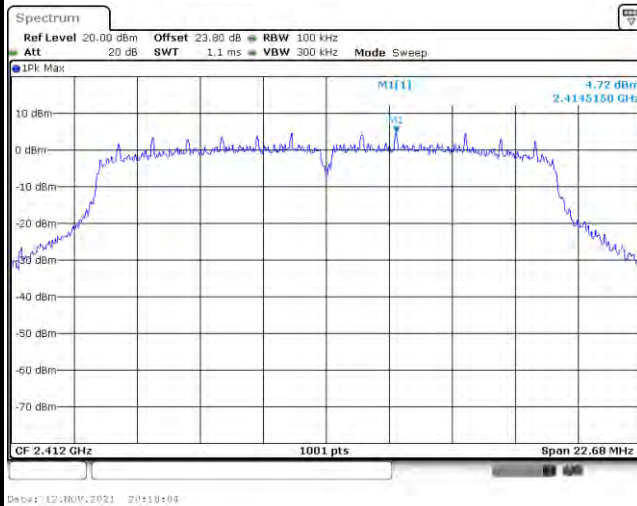
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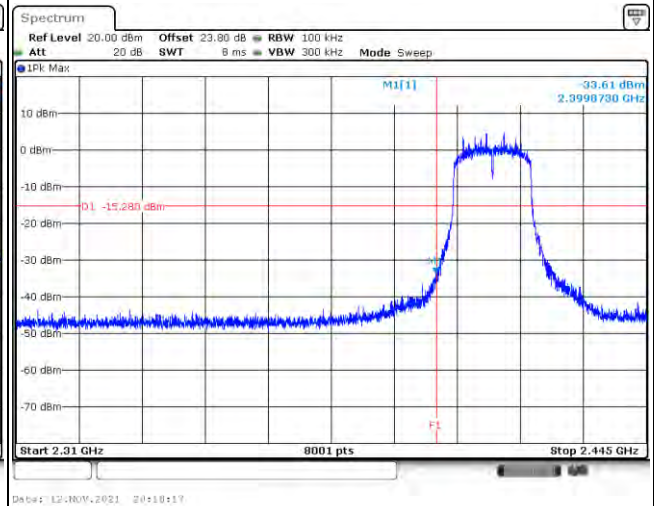


Test Mode :	802.11g	Test Channel :	01
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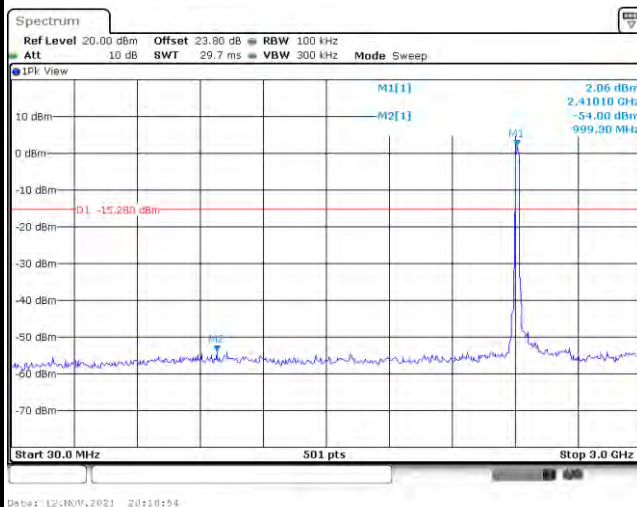
100kHz PSD reference Level



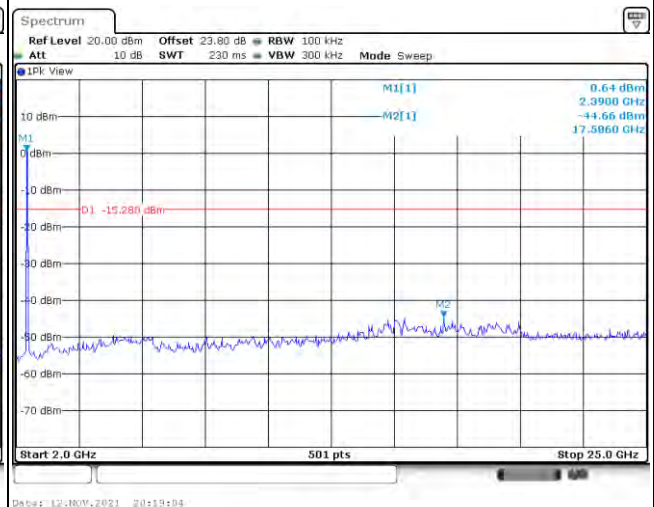
Channel Plot



Spurious Emission 30MHz~3GHz

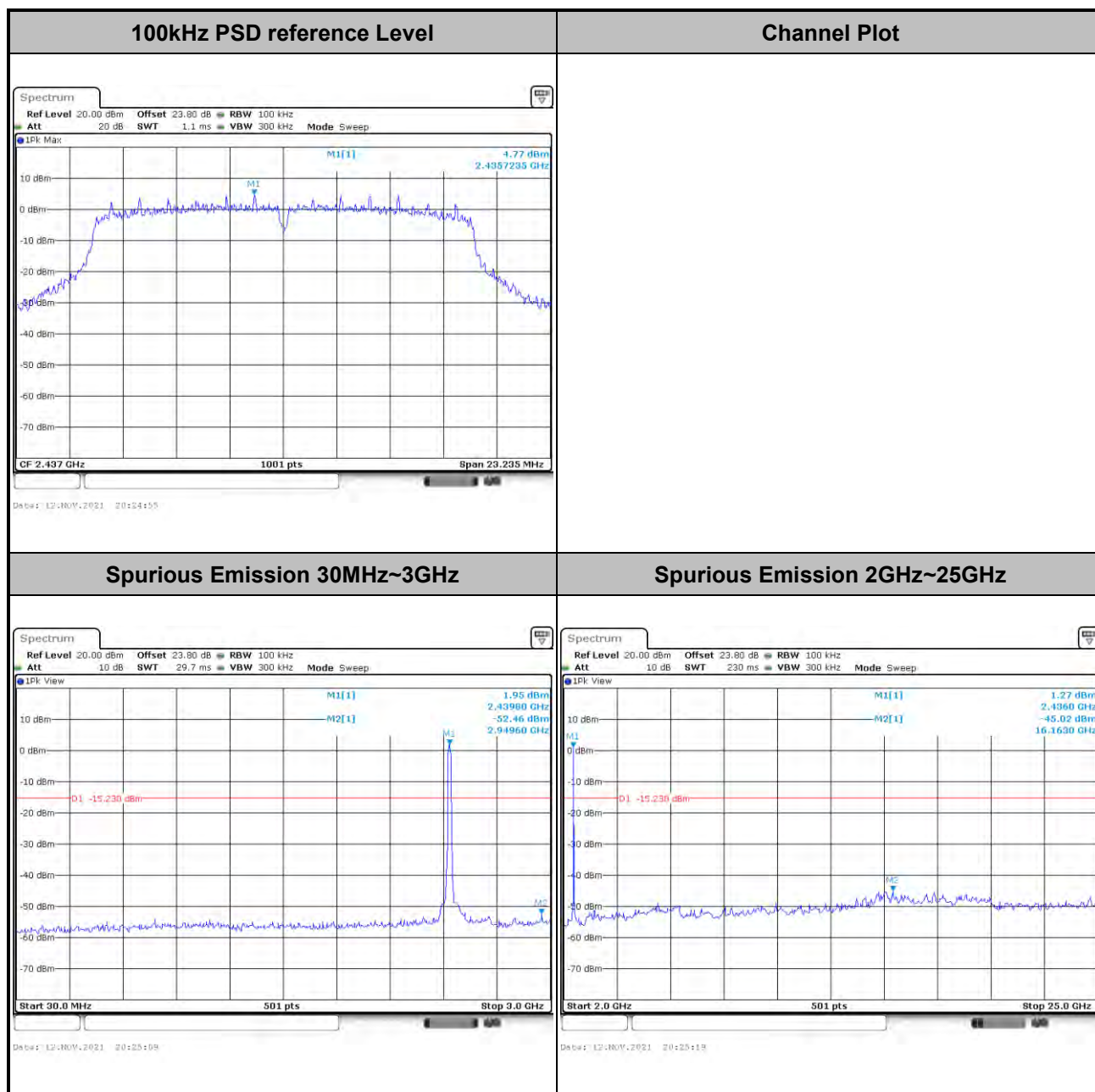


Spurious Emission 2GHz~25GHz





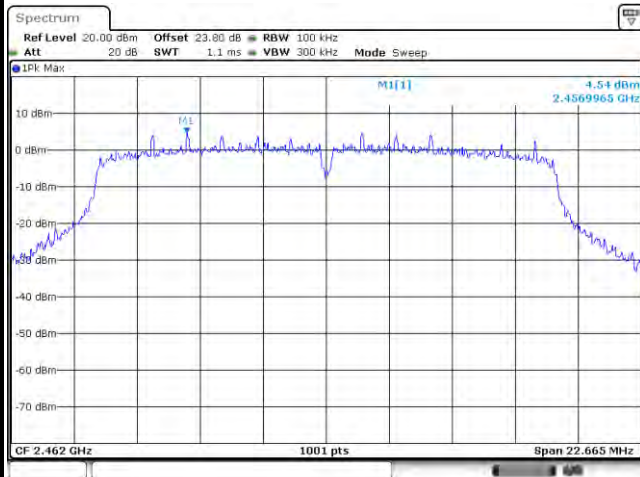
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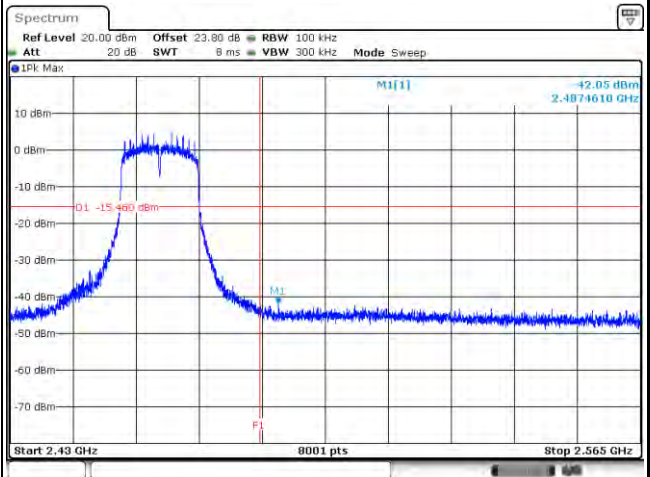
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100kHz PSD reference Level



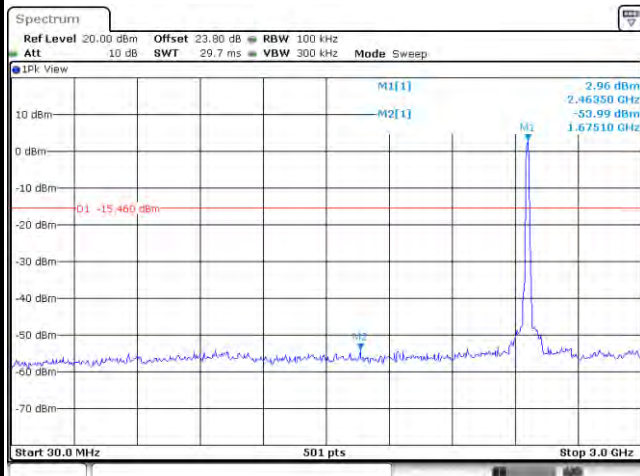
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Channel Plot



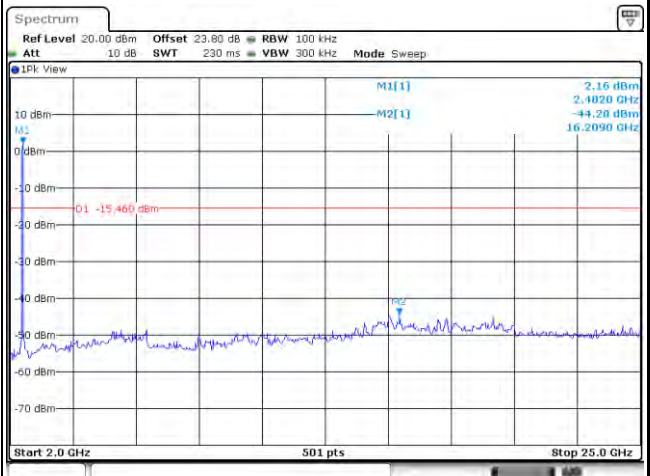
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Spurious Emission 30MHz~3GHz



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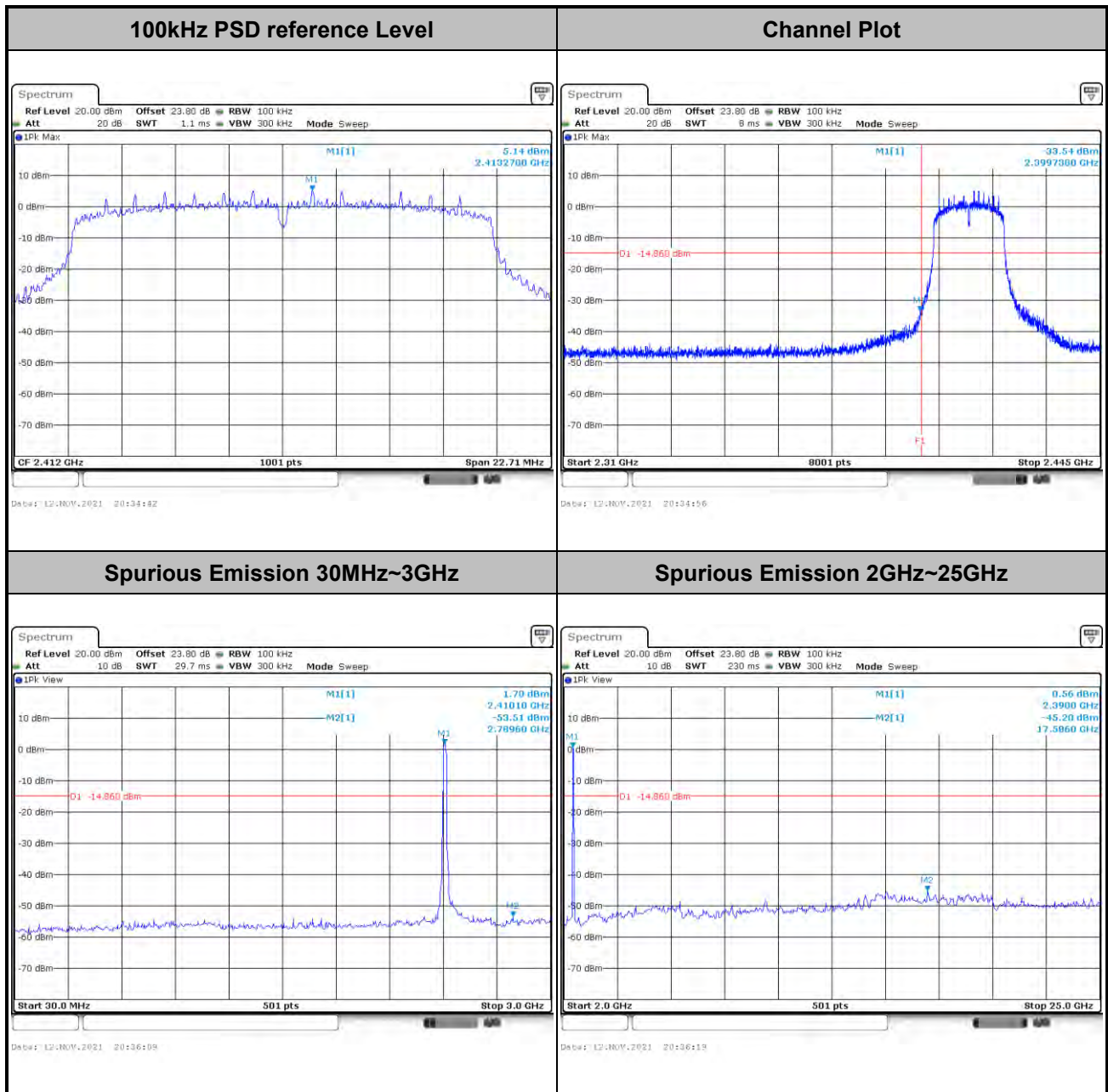
Spurious Emission 2GHz~25GHz



Date: 12/NOV/2021 20:31:48



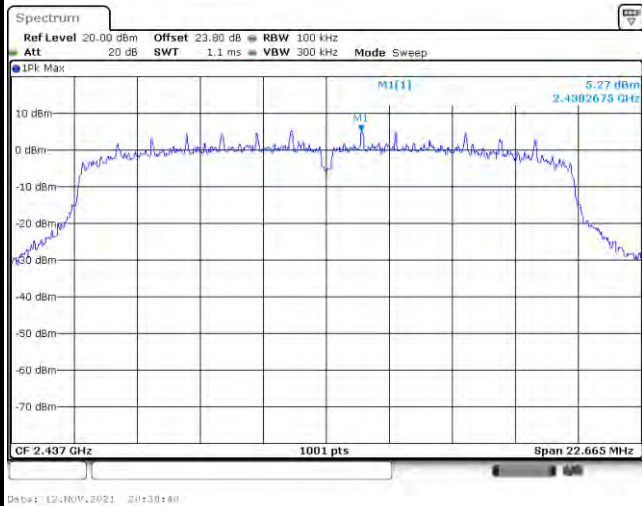
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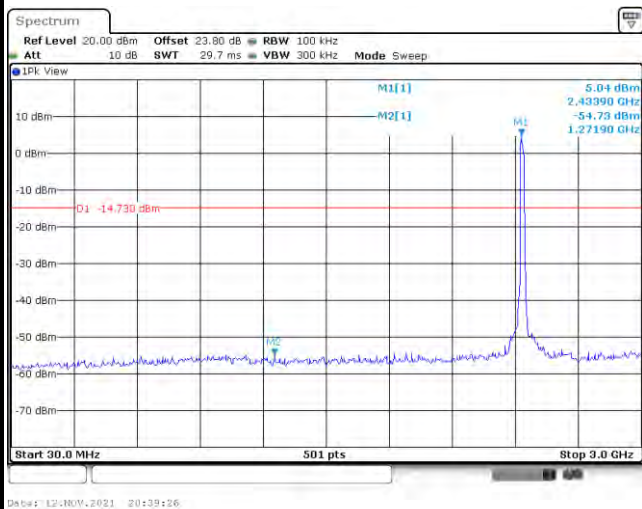
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100kHz PSD reference Level

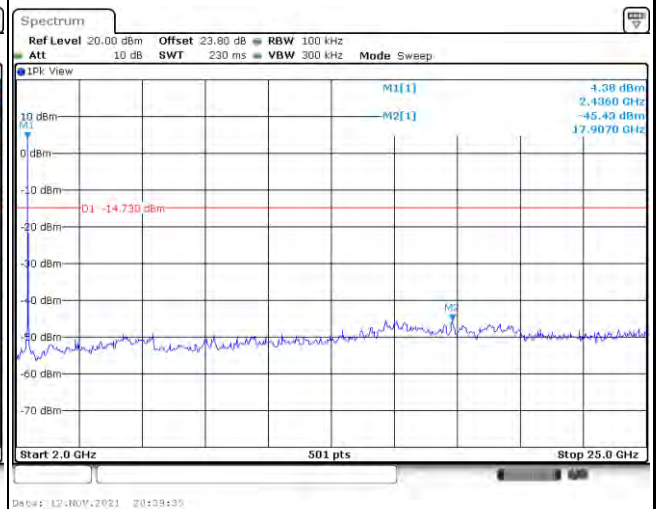


Channel Plot

Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

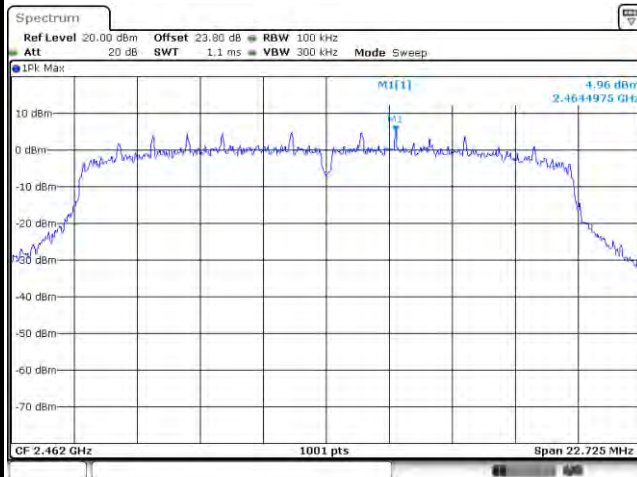




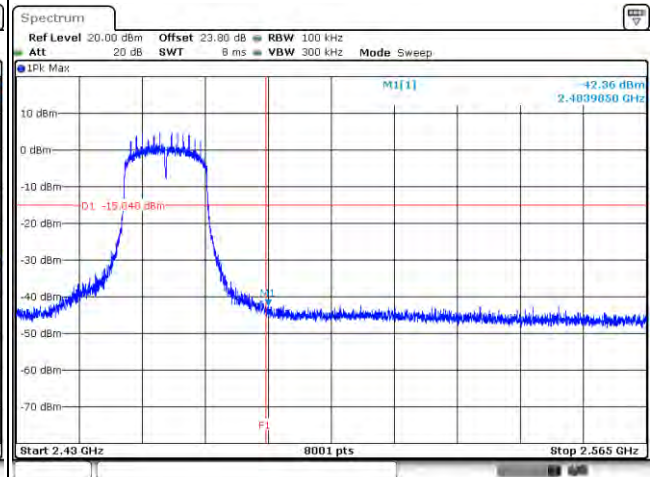
Test Mode : 802.11n HT20

Test Channel : 11

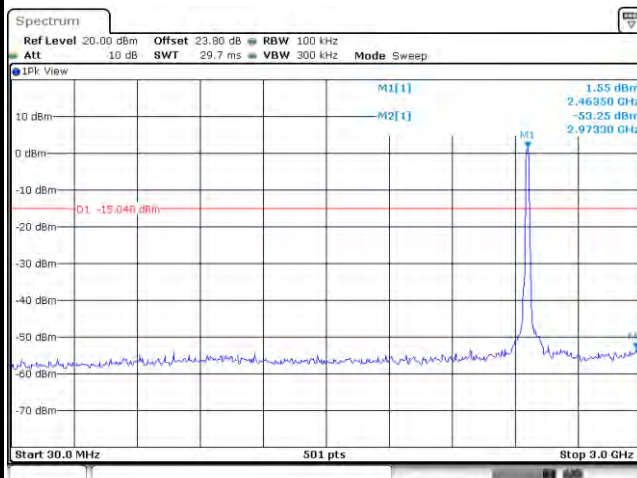
100kHz PSD reference Level



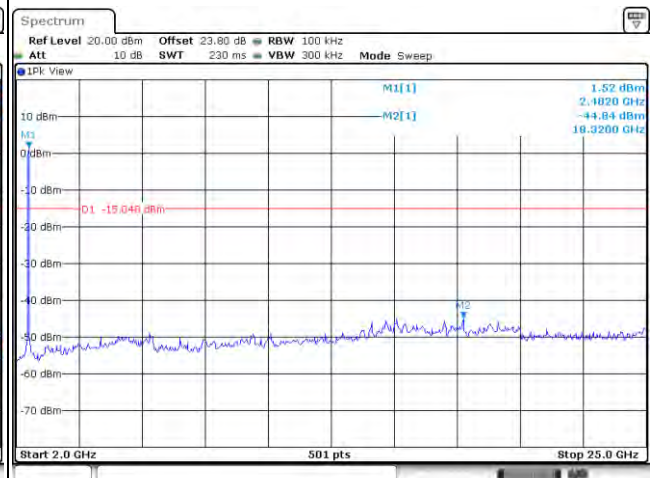
Channel Plot



Spurious Emission 30MHz~3GHz

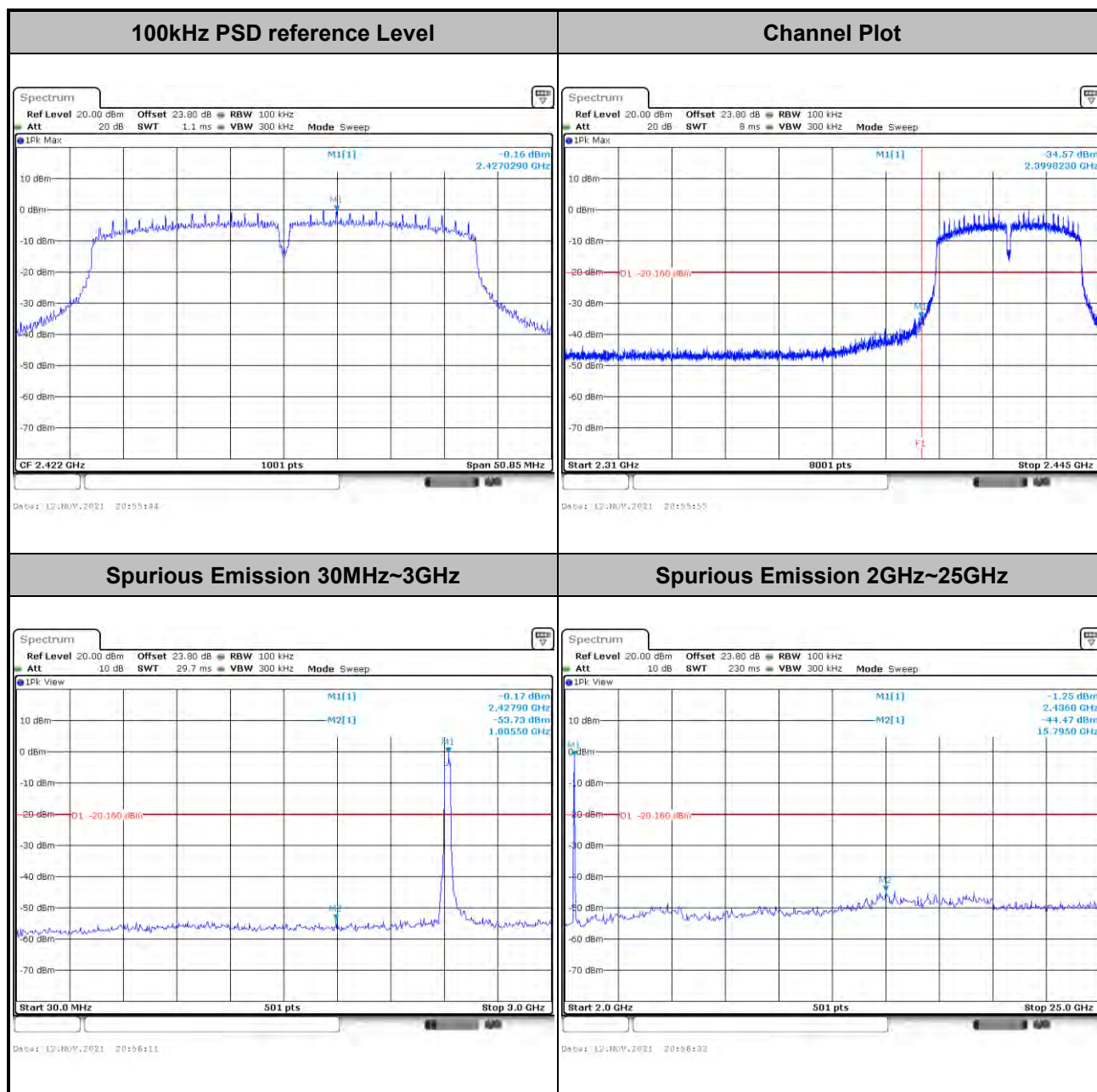


Spurious Emission 2GHz~25GHz





Test Mode :	802.11n HT40	Test Channel :	03
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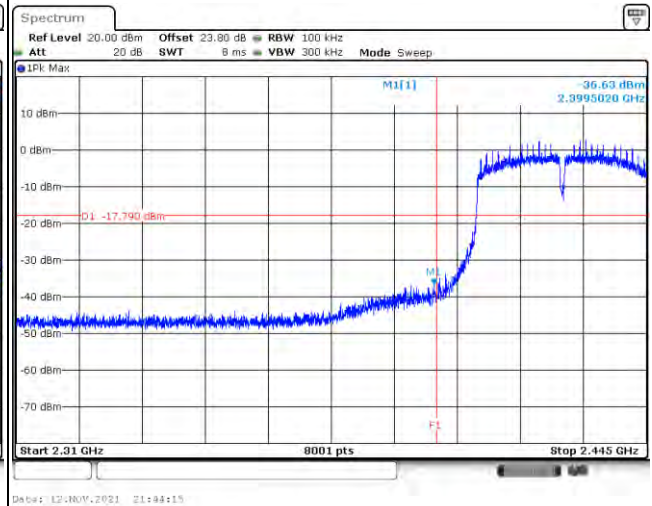
Test Mode : 802.11n HT40

Test Channel : 04

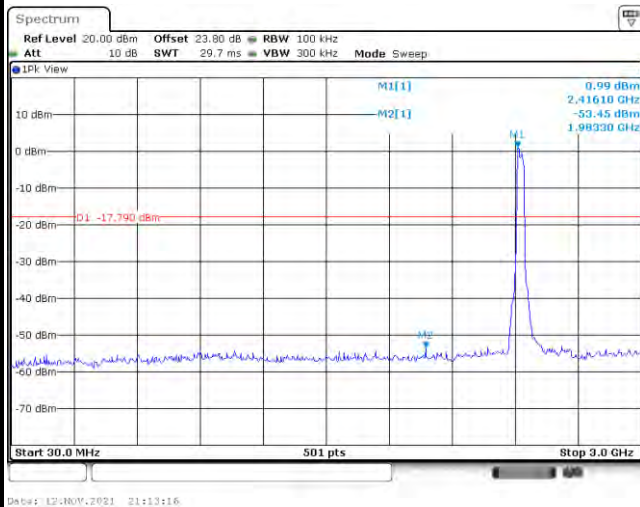
100kHz PSD reference Level



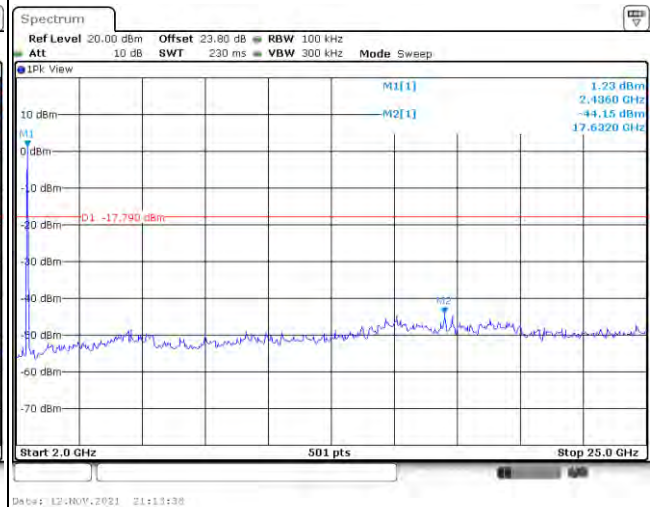
Channel Plot



Spurious Emission 30MHz~3GHz



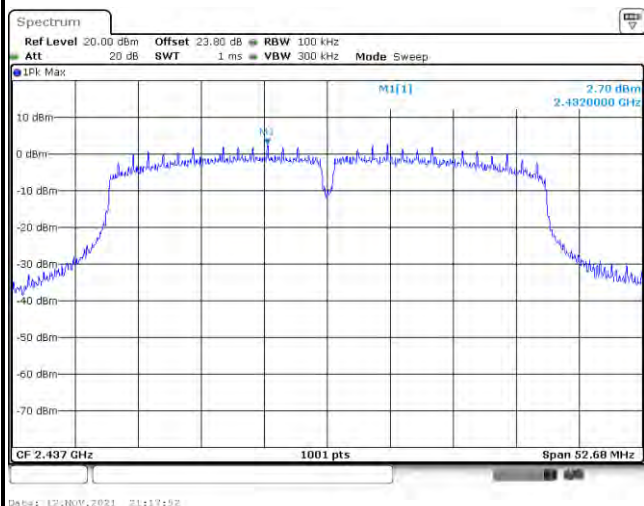
Spurious Emission 2GHz~25GHz





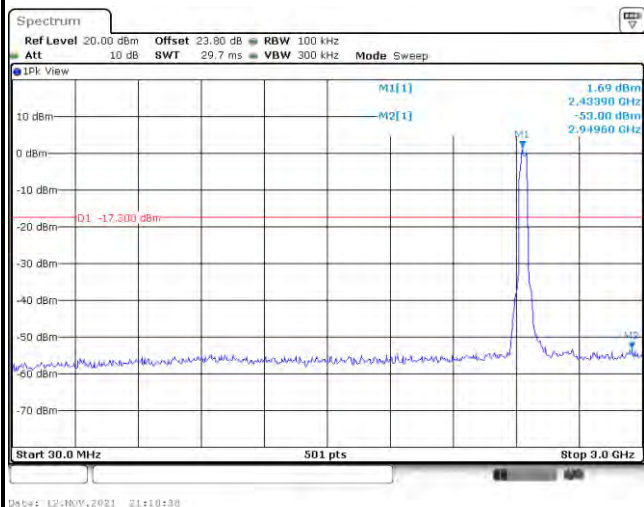
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100kHz PSD reference Level

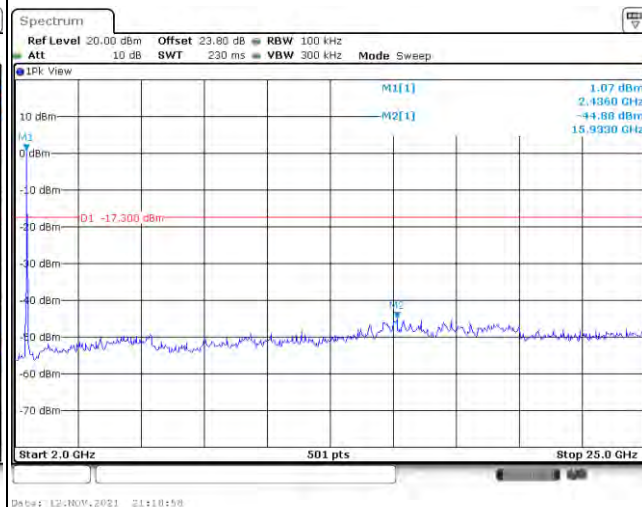


Channel Plot

Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

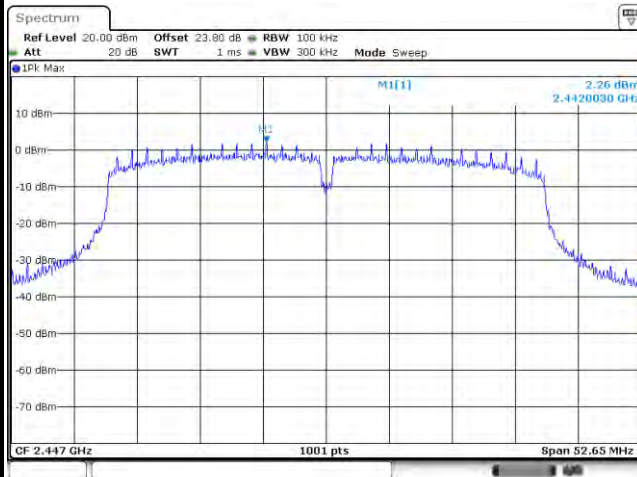




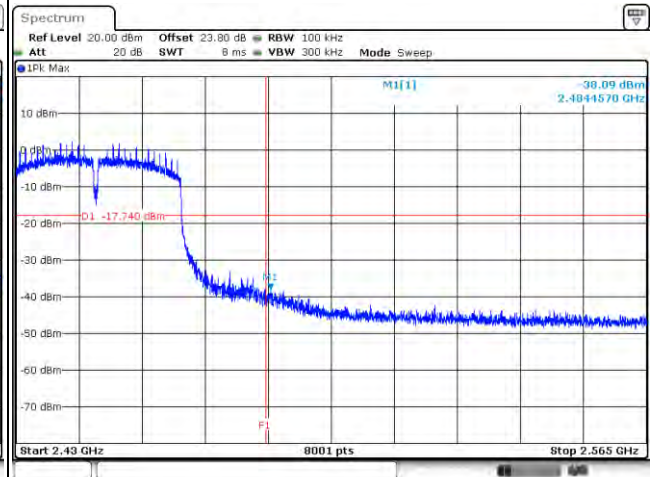
Test Mode : 802.11n HT40

Test Channel : 08

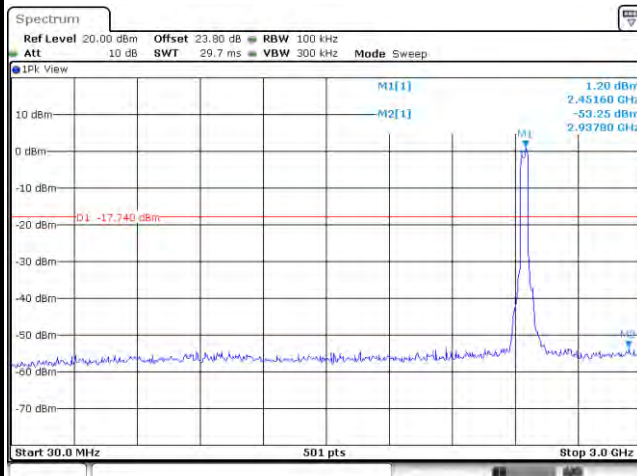
100kHz PSD reference Level



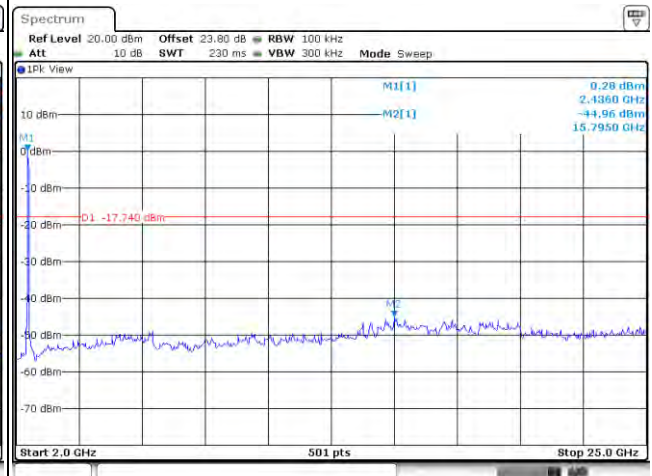
Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

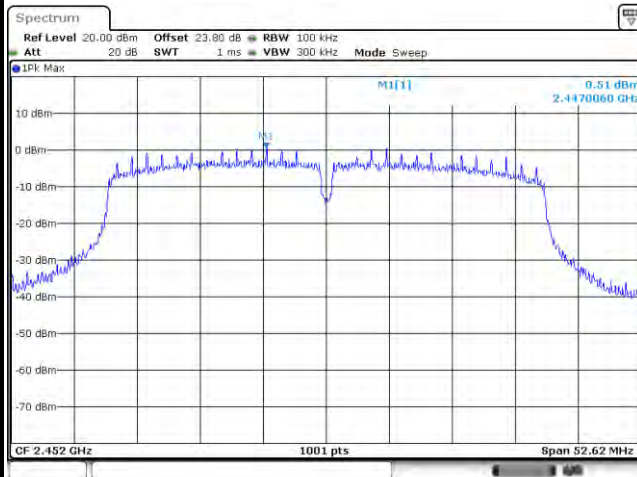




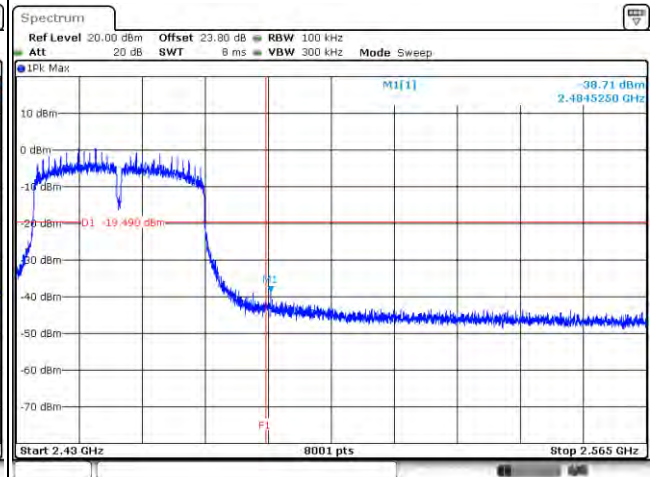
Test Mode : 802.11n HT40

Test Channel : 09

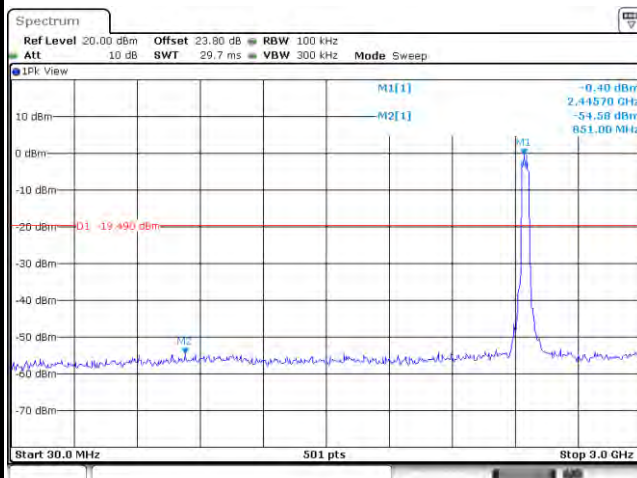
100kHz PSD reference Level



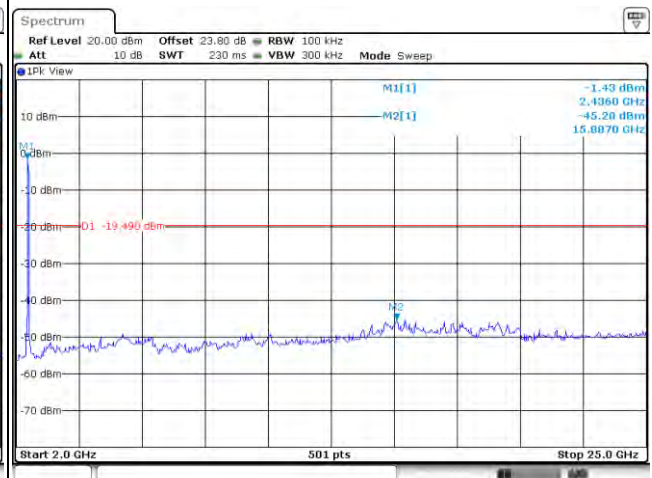
Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

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

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

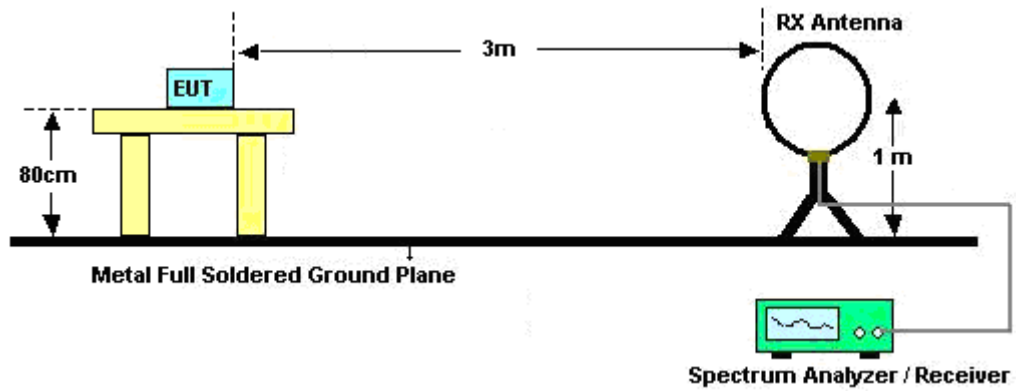


3.5.3 Test Procedures

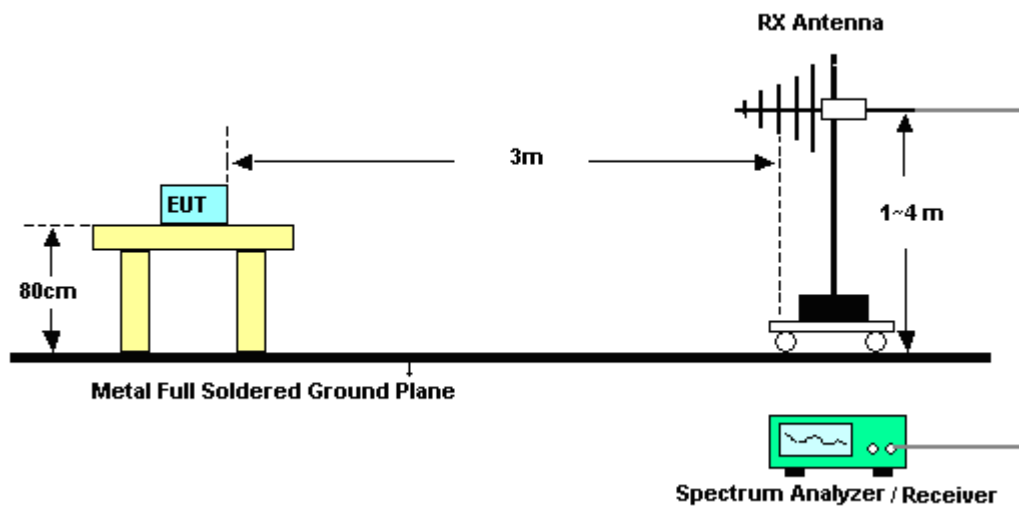
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the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

3.5.4 Test Setup

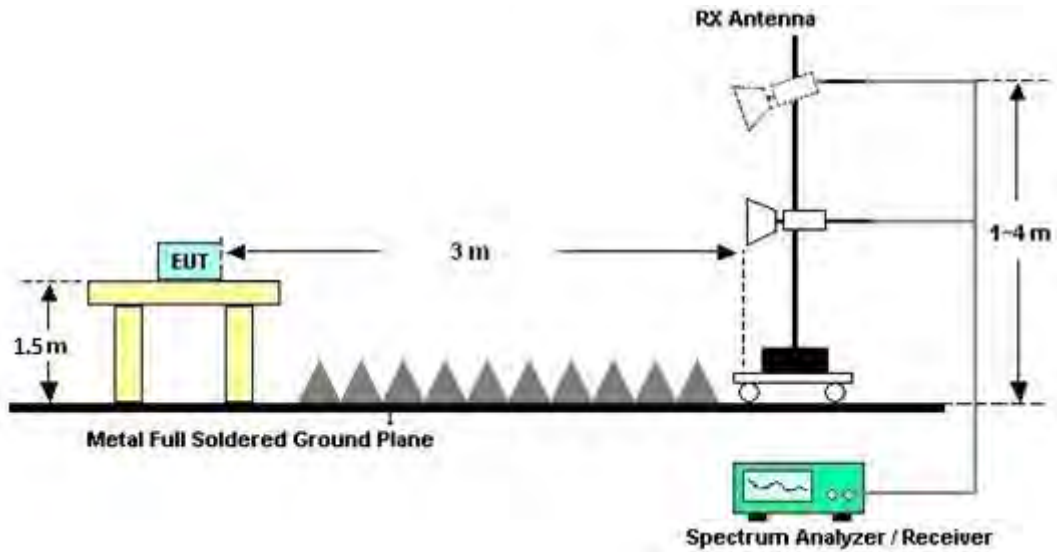
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



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

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

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

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

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

*Decreases with the logarithm of the frequency.

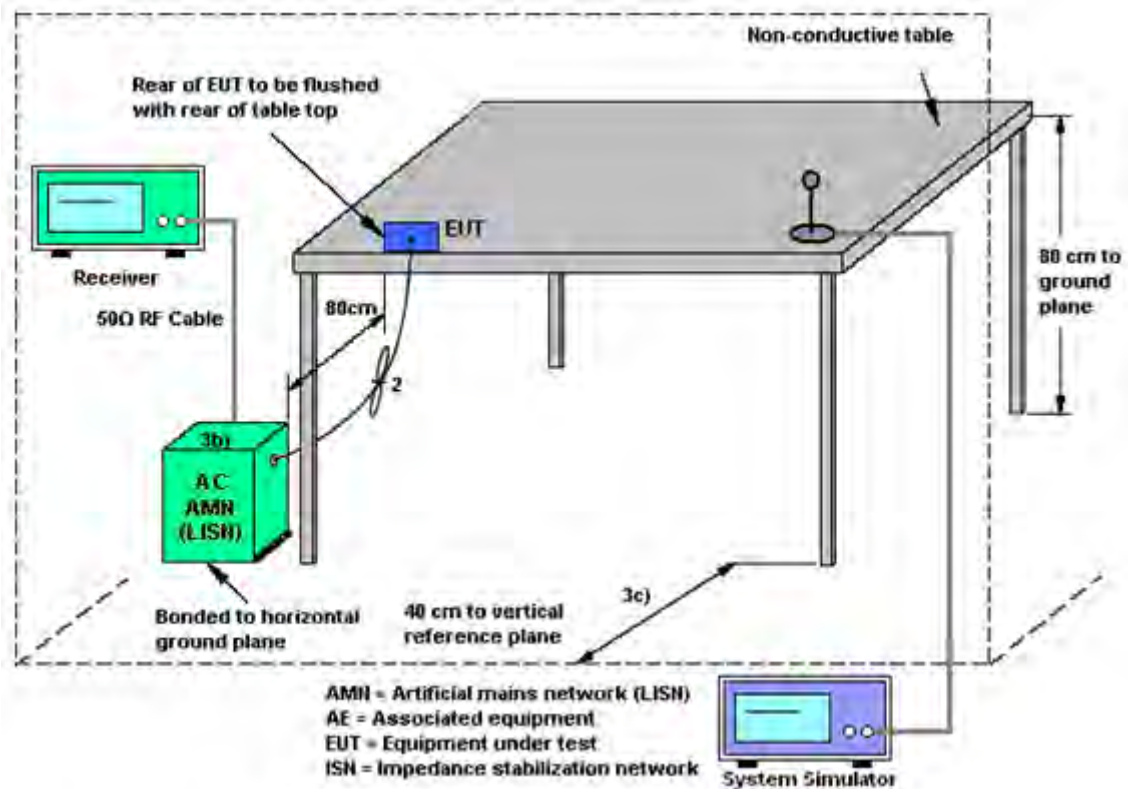
3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9010B	MY60240520	10Hz~44GHz	Dec. 02, 2020	Oct. 14, 2021~ Oct. 21, 2021	Dec. 01, 2021	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 04, 2021	Oct. 14, 2021~ Oct. 21, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 16, 2020	Oct. 14, 2021~ Oct. 21, 2021	Nov. 15, 2021	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Oct. 14, 2021~ Oct. 21, 2021	Dec. 10, 2021	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Oct. 14, 2021~ Oct. 21, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 08, 2021	Oct. 14, 2021~ Oct. 21, 2021	Feb. 07, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	002360	1GHz-18GHz	Nov. 03, 2020	Oct. 14, 2021~ Oct. 21, 2021	Nov. 02, 2021	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	009910	18GHz-40GHz	May 12, 2021	Oct. 14, 2021~ Oct. 21, 2021	May 11, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN27	1.53GHz Low Pass Filter	May 25, 2021	Oct. 14, 2021~ Oct. 21, 2021	May 24, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN8	N/A	Mar. 26, 2021	Oct. 14, 2021~ Oct. 21, 2021	Mar. 25, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-60 SS	SN9	N/A	Nov. 05, 2020	Oct. 14, 2021~ Oct. 21, 2021	Nov. 04, 2021	Radiation (03CH20-HY)
Notch Filter	ST1	ST115_9935_5 150-5850	NA	N/A	Apr. 08, 2021	Oct. 14, 2021~ Oct. 21, 2021	Apr. 07, 2022	Radiation (03CH20-HY)
Notch Filter	Marvelous Microwave Inc	MFN_2400.24 85.S5	40009N	N/A	Apr. 16, 2021	Oct. 14, 2021~ Oct. 21, 2021	Apr. 15, 2022	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Oct. 14, 2021~ Oct. 21, 2021	Mar. 08, 2022	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 20, 2021	Oct. 14, 2021~ Oct. 21, 2021	Jan. 19, 2022	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Oct. 14, 2021~ Oct. 21, 2021	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 14, 2021~ Oct. 21, 2021	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 14, 2021~ Oct. 21, 2021	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 14, 2021~ Oct. 21, 2021	N/A	Radiation (03CH20-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 01, 2021	Oct. 12, 2021~ Nov. 12, 2021	Feb. 28, 2022	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Aug. 01, 2021	Oct. 12, 2021~ Nov. 12, 2021	Jul. 31, 2022	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GH z	Aug. 01, 2021	Oct. 12, 2021~ Nov. 12, 2021	Jul. 31, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Aug. 30, 2021	Oct. 12, 2021~ Nov. 12, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Oct. 12, 2021~ Nov. 12, 2021	Mar. 16, 2022	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 14, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Oct. 14, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Oct. 14, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Oct. 14, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Oct. 14, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Oct. 14, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Oct. 14, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.1 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.9 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.2 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.7 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu/Junyu Zhou	Temperature:	21.7~25.1	°C
Test Date:	2021/10/12~2021/11/12	Relative Humidity:	47.6~55.8	%

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna													
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power with duty factor (dBm)				DG (dBi)		EIRP Power (dBm)	
						Ant1	Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2
11b	1Mbps	1	1	2412	0.00	12.94	-		2.63	-	15.57	-	
11b	1Mbps	1	6	2437	0.00	15.68	-		2.63	-	18.31	-	
11b	1Mbps	1	11	2462	0.00	15.05	-		2.63	-	17.68	-	
11g	6Mbps	1	1	2412	0.36	14.61	-		2.63	-	17.24	-	
11g	6Mbps	1	6	2437	0.36	14.66	-		2.63	-	17.29	-	
11g	6Mbps	1	11	2462	0.36	14.58	-		2.63	-	17.21	-	
HT20	MCS0	1	1	2412	0.35	14.78	-		2.63	-	17.41	-	
HT20	MCS0	1	6	2437	0.35	14.75	-		2.63	-	17.38	-	
HT20	MCS0	1	11	2462	0.35	14.30	-		2.63	-	16.93	-	
HT40	MCS0	1	3	2422	0.59	11.69	-		2.63	-	14.32	-	
HT40	MCS0	1	4	2427	0.59	14.72	-		2.63	-	17.35	-	
HT40	MCS0	1	6	2437	0.59	14.64	-		2.63	-	17.27	-	
HT40	MCS0	1	8	2447	0.59	14.24	-		2.63	-	16.87	-	
HT40	MCS0	1	9	2452	0.59	12.00	-		2.63	-	14.63	-	

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	N _{TX}	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	13.39	-	8.08	-	0.50	Pass
11b	1Mbps	1	6	2437	13.24	-	8.08	-	0.50	Pass
11b	1Mbps	1	11	2462	13.29	-	8.06	-	0.50	Pass
11g	6Mbps	1	1	2412	16.88	-	15.12	-	0.50	Pass
11g	6Mbps	1	6	2437	16.83	-	15.49	-	0.50	Pass
11g	6Mbps	1	11	2462	16.83	-	15.11	-	0.50	Pass
HT20	MCS0	1	1	2412	17.78	-	15.14	-	0.50	Pass
HT20	MCS0	1	6	2437	17.73	-	15.11	-	0.50	Pass
HT20	MCS0	1	11	2462	17.83	-	15.15	-	0.50	Pass
HT40	MCS0	1	3	2422	35.96	-	33.90	-	0.50	Pass
HT40	MCS0	1	4	2427	35.86	-	33.90	-	0.50	Pass
HT40	MCS0	1	6	2437	35.86	-	35.12	-	0.50	Pass
HT40	MCS0	1	8	2447	35.96	-	35.10	-	0.50	Pass
HT40	MCS0	1	9	2452	35.96	-	35.08	-	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Peak 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	15.51	-		30.00	-	2.63	-	18.14	-	36.00	-	Pass
11b	1Mbps	1	6	2437	18.26	-		30.00	-	2.63	-	20.89	-	36.00	-	Pass
11b	1Mbps	1	11	2462	17.62	-		30.00	-	2.63	-	20.25	-	36.00	-	Pass
11g	6Mbps	1	1	2412	20.70	-		30.00	-	2.63	-	23.33	-	36.00	-	Pass
11g	6Mbps	1	6	2437	20.73	-		30.00	-	2.63	-	23.36	-	36.00	-	Pass
11g	6Mbps	1	11	2462	20.60	-		30.00	-	2.63	-	23.23	-	36.00	-	Pass
HT20	MCS0	1	1	2412	21.38	-		30.00	-	2.63	-	24.01	-	36.00	-	Pass
HT20	MCS0	1	6	2437	21.40	-		30.00	-	2.63	-	24.03	-	36.00	-	Pass
HT20	MCS0	1	11	2462	20.80	-		30.00	-	2.63	-	23.43	-	36.00	-	Pass
HT40	MCS0	1	3	2422	18.80	-		30.00	-	2.63	-	21.43	-	36.00	-	Pass
HT40	MCS0	1	4	2427	21.60	-		30.00	-	2.63	-	24.23	-	36.00	-	Pass
HT40	MCS0	1	6	2437	21.51	-		30.00	-	2.63	-	24.14	-	36.00	-	Pass
HT40	MCS0	1	8	2447	21.10	-		30.00	-	2.63	-	23.73	-	36.00	-	Pass
HT40	MCS0	1	9	2452	18.82	-		30.00	-	2.63	-	21.45	-	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	-8.51	-		2.63	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-6.04	-		2.63	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-6.08	-		2.63	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-10.29	-		2.63	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-9.94	-		2.63	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-9.90	-		2.63	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-9.32	-		2.63	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-9.24	-		2.63	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-9.68	-		2.63	-	8.00	-	Pass
HT40	MCS0	1	3	2422	-14.47	-		2.63	-	8.00	-	Pass
HT40	MCS0	1	4	2427	-12.71	-		2.63	-	8.00	-	Pass
HT40	MCS0	1	6	2437	-12.00	-		2.63	-	8.00	-	Pass
HT40	MCS0	1	8	2447	-12.46	-		2.63	-	8.00	-	Pass
HT40	MCS0	1	9	2452	-14.97	-		2.63	-	8.00	-	Pass



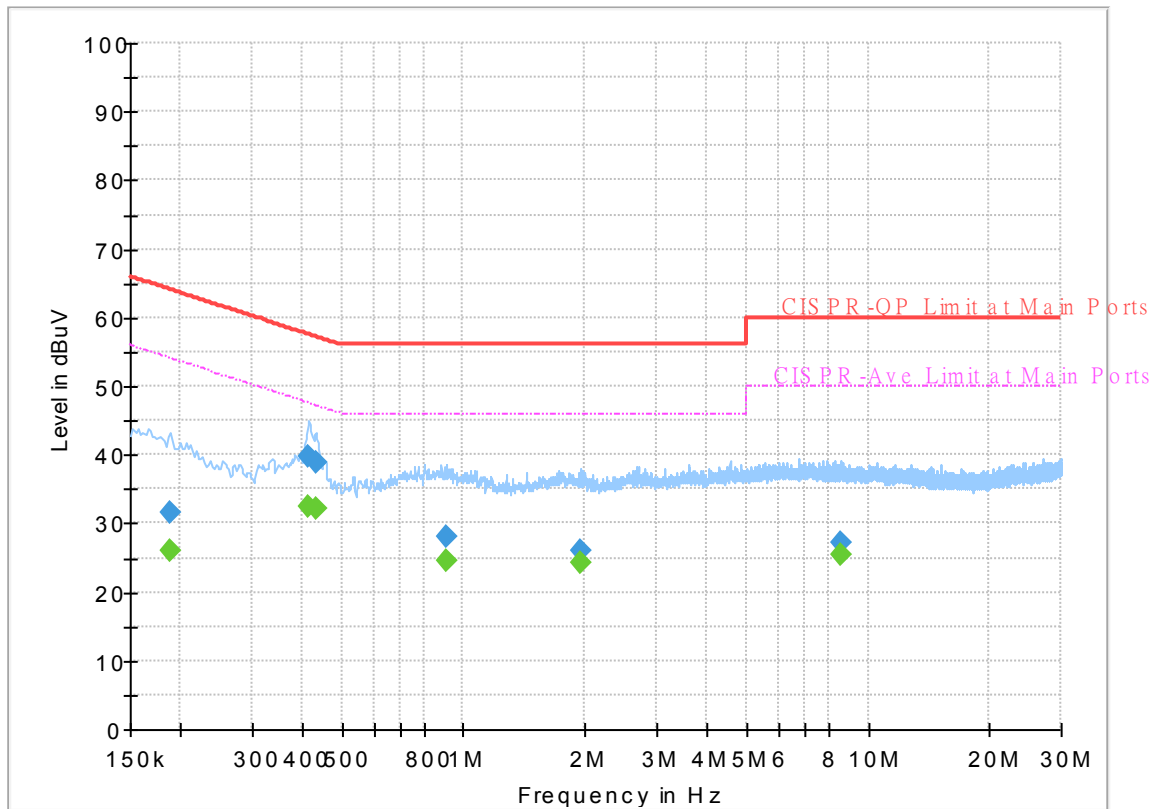
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 193024
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



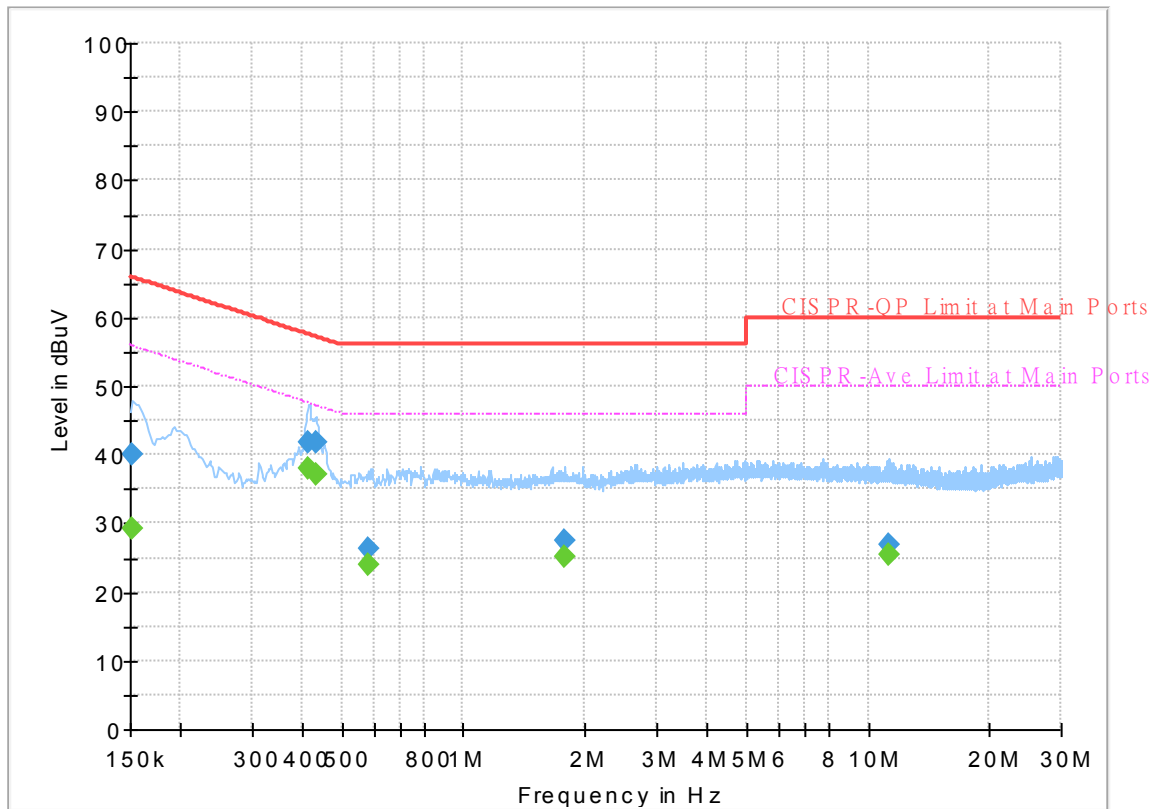
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	---	26.08	54.11	28.03	L1	OFF	19.7
0.188250	31.65	---	64.11	32.46	L1	OFF	19.7
0.415500	---	32.52	47.54	15.02	L1	OFF	19.7
0.415500	39.90	---	57.54	17.64	L1	OFF	19.7
0.431250	---	32.16	47.23	15.07	L1	OFF	19.7
0.431250	38.74	---	57.23	18.49	L1	OFF	19.7
0.906000	---	24.58	46.00	21.42	L1	OFF	20.1
0.906000	28.03	---	56.00	27.97	L1	OFF	20.1
1.943250	---	24.21	46.00	21.79	L1	OFF	20.2
1.943250	26.14	---	56.00	29.86	L1	OFF	20.2
8.578500	---	25.57	50.00	24.43	L1	OFF	20.1
8.578500	27.14	---	60.00	32.86	L1	OFF	20.1

EUT Information

Report NO : 193024
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)
0.152250	---	29.20	55.88	26.68	N	OFF	19.7
0.152250	39.99	---	65.88	25.89	N	OFF	19.7
0.415500	---	37.92	47.54	9.62	N	OFF	19.7
0.415500	41.74	---	57.54	15.80	N	OFF	19.7
0.431250	---	37.23	47.23	10.00	N	OFF	19.7
0.431250	41.75	---	57.23	15.48	N	OFF	19.7
0.579750	---	24.04	46.00	21.96	N	OFF	19.9
0.579750	26.35	---	56.00	29.65	N	OFF	19.9
1.785750	---	25.08	46.00	20.92	N	OFF	20.2
1.785750	27.35	---	56.00	28.65	N	OFF	20.2
11.224500	---	25.46	50.00	24.54	N	OFF	20.2
11.224500	26.98	---	60.00	33.02	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Troye Hsieh and JC Liang	Temperature :	19.3~23.1°C
		Relative Humidity :	61.6~68.9%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2389.17	53.49	-20.51	74	44	27.26	18.42	36.19	360	32	P	H
		2388.96	44.58	-9.42	54	35.09	27.26	18.42	36.19	360	32	A	H
	*	2412	106.84	-	-	97.23	27.35	18.46	36.2	360	32	P	H
	*	2412	103.05	-	-	93.44	27.35	18.46	36.2	360	32	A	H
													H
													H
		2389.905	50.56	-23.44	74	41.07	27.26	18.42	36.19	101	313	P	V
		2387.175	39.38	-14.62	54	29.9	27.25	18.42	36.19	101	313	A	V
	*	2412	100.16	-	-	90.55	27.35	18.46	36.2	101	313	P	V
	*	2412	96.98	-	-	87.37	27.35	18.46	36.2	101	313	A	V
													V
													V
802.11b CH 06 2437MHz		2388.4	52.05	-21.95	74	42.57	27.25	18.42	36.19	350	39	P	H
		2389.04	41.46	-12.54	54	31.97	27.26	18.42	36.19	350	39	A	H
	*	2437	109.62	-	-	99.88	27.45	18.5	36.21	350	39	P	H
	*	2437	106.34	-	-	96.6	27.45	18.5	36.21	350	39	A	H
		2487.84	51.8	-22.2	74	41.79	27.65	18.59	36.23	350	39	P	H
		2483.6	40.23	-13.77	54	30.23	27.63	18.59	36.22	350	39	A	H
		2387.6	49.67	-24.33	74	40.19	27.25	18.42	36.19	100	301	P	V
		2389.04	38.31	-15.69	54	28.82	27.26	18.42	36.19	100	301	A	V
	*	2437	101.45	-	-	91.71	27.45	18.5	36.21	100	301	P	V
	*	2437	98.29	-	-	88.55	27.45	18.5	36.21	100	301	A	V
		2490.16	49.82	-24.18	74	39.79	27.66	18.6	36.23	100	301	P	V
		2484	37.75	-16.25	54	27.74	27.64	18.59	36.22	100	301	A	V



WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 11 2462MHz	*	2462	108.16	-	-	98.28	27.55	18.55	36.22	384	36	P	H
	*	2462	104.95	-	-	95.07	27.55	18.55	36.22	384	36	A	H
		2488.2	55.62	-18.38	74	45.61	27.65	18.59	36.23	384	36	P	H
		2489.96	45.87	-8.13	54	35.84	27.66	18.6	36.23	384	36	A	H
													H
													H
	*	2462	100.63	-	-	90.75	27.55	18.55	36.22	100	308	P	V
	*	2462	97.47	-	-	87.59	27.55	18.55	36.22	100	308	A	V
		2488.56	50.68	-23.32	74	40.67	27.65	18.59	36.23	100	308	P	V
		2490.16	40.23	-13.77	54	30.2	27.66	18.6	36.23	100	308	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 (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	55.75	-18.25	74	48.32	32.14	12.73	37.44	100	138	P	H
		4824	53.43	-0.57	54	46	32.14	12.73	37.44	100	138	A	H
													H
													H
		4824	54.76	-19.24	74	47.33	32.14	12.73	37.44	343	136	P	V
		4824	52.41	-1.59	54	44.98	32.14	12.73	37.44	343	136	A	V
													V
													V
802.11b CH 06 2437MHz		4874	55.08	-18.92	74	47.49	32.3	12.77	37.48	100	130	P	H
		4874	52.52	-1.48	54	44.93	32.3	12.77	37.48	100	130	A	H
		7311	46.89	-27.11	74	33.1	36.76	15.38	38.35	-	-	P	H
													H
													H
		4874	54.4	-19.6	74	46.81	32.3	12.77	37.48	385	346	P	V
		4874	51.2	-2.8	54	43.61	32.3	12.77	37.48	385	346	A	V
		7311	47.26	-26.74	74	33.47	36.76	15.38	38.35	-	-	P	V
													V
													V
802.11b CH 11 2462MHz		4924	56.58	-17.42	74	48.82	32.49	12.79	37.52	100	131	P	H
		4924	53.58	-0.42	54	45.82	32.49	12.79	37.52	100	131	A	H
		7386	47.87	-26.13	74	34.36	36.46	15.46	38.41	-	-	P	H
													H
													H
		4924	53.27	-20.73	74	45.51	32.49	12.79	37.52	400	357	P	V
		4924	50.2	-3.8	54	42.44	32.49	12.79	37.52	400	357	A	V
		7386	46.58	-27.42	74	33.07	36.46	15.46	38.41	-	-	P	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 (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.695	59.58	-14.42	74	50.09	27.26	18.42	36.19	359	34	P	H
		2390	49.99	-4.01	54	40.5	27.26	18.42	36.19	359	34	A	H
	*	2412	109.55	-	-	99.94	27.35	18.46	36.2	359	34	P	H
	*	2412	101.53	-	-	91.92	27.35	18.46	36.2	359	34	A	H
													H
													H
		2389.8	54.02	-19.98	74	44.53	27.26	18.42	36.19	100	312	P	V
		2390	44.09	-9.91	54	34.6	27.26	18.42	36.19	100	312	A	V
	*	2412	102.92	-	-	93.31	27.35	18.46	36.2	100	312	P	V
	*	2412	95.31	-	-	85.7	27.35	18.46	36.2	100	312	A	V
													V
													V
802.11g CH 06 2437MHz		2385.68	53.34	-20.66	74	43.88	27.24	18.41	36.19	351	33	P	H
		2389.2	45.32	-8.68	54	35.83	27.26	18.42	36.19	351	33	A	H
	*	2437	110.44	-	-	100.7	27.45	18.5	36.21	351	33	P	H
	*	2437	102.64	-	-	92.9	27.45	18.5	36.21	351	33	A	H
		2484	52.93	-21.07	74	42.92	27.64	18.59	36.22	351	33	P	H
		2484.64	43.38	-10.62	54	33.38	27.64	18.59	36.23	351	33	A	H
		2389.36	50.83	-23.17	74	41.34	27.26	18.42	36.19	101	312	P	V
		2388.88	41.06	-12.94	54	31.57	27.26	18.42	36.19	101	312	A	V
	*	2437	103.15	-	-	93.41	27.45	18.5	36.21	101	312	P	V
	*	2437	96.34	-	-	86.6	27.45	18.5	36.21	101	312	A	V
		2493.52	50.5	-23.5	74	40.46	27.67	18.6	36.23	101	312	P	V
		2483.68	40.58	-13.42	54	30.58	27.63	18.59	36.22	101	312	A	V



WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 11 2462MHz	*	2462	108.72	-	-	98.84	27.55	18.55	36.22	302	339	P	H
	*	2462	100.73	-	-	90.85	27.55	18.55	36.22	302	339	A	H
		2484	57.03	-16.97	74	47.02	27.64	18.59	36.22	302	339	P	H
		2483.52	47.1	-6.9	54	37.1	27.63	18.59	36.22	302	339	A	H
													H
													H
	*	2462	105.05	-	-	95.17	27.55	18.55	36.22	374	346	P	V
	*	2462	97.28	-	-	87.4	27.55	18.55	36.22	374	346	A	V
		2483.96	55.05	-18.95	74	45.04	27.64	18.59	36.22	374	346	P	V
		2483.52	44.86	-9.14	54	34.86	27.63	18.59	36.22	374	346	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 (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	58.61	-15.39	74	51.18	32.14	12.73	37.44	111	132	P	H
		4824	47.29	-6.71	54	39.86	32.14	12.73	37.44	111	132	A	H
													H
													H
		4824	57.18	-16.82	74	49.75	32.14	12.73	37.44	393	356	P	V
		4824	46.06	-7.94	54	38.63	32.14	12.73	37.44	393	356	A	V
													V
													V
802.11g CH 06 2437MHz		4874	52.22	-21.78	74	44.63	32.3	12.77	37.48	104	132	P	H
		4874	44.21	-9.79	54	36.62	32.3	12.77	37.48	104	132	A	H
		7311	47.33	-26.67	74	33.54	36.76	15.38	38.35	-	-	P	H
													H
													H
		4874	46.41	-27.59	74	38.82	32.3	12.77	37.48	-	-	P	V
		7311	46.81	-27.19	74	33.02	36.76	15.38	38.35	-	-	P	V
													V
802.11g CH 11 2462MHz		4924	53.65	-20.35	74	45.89	32.49	12.79	37.52	100	131	P	H
		4924	44.52	-9.48	54	36.76	32.49	12.79	37.52	100	131	A	H
		7386	47.99	-26.01	74	34.48	36.46	15.46	38.41	-	-	P	H
													H
													H
		4924	52.3	-21.7	74	44.54	32.49	12.79	37.52	400	346	P	V
		4924	42.36	-11.64	54	34.6	32.49	12.79	37.52	400	346	A	V
		7386	47.14	-26.86	74	33.63	36.46	15.46	38.41	-	-	P	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 (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.275	61.19	-12.81	74	51.7	27.26	18.42	36.19	359	28	P	H
		2390	51.7	-2.3	54	42.21	27.26	18.42	36.19	359	28	A	H
	*	2412	109.74	-	-	100.13	27.35	18.46	36.2	359	28	P	H
	*	2412	101.76	-	-	92.15	27.35	18.46	36.2	359	28	A	H
													H
													H
		2389.8	54.75	-19.25	74	45.26	27.26	18.42	36.19	105	314	P	V
		2389.905	45.38	-8.62	54	35.89	27.26	18.42	36.19	105	314	A	V
	*	2412	104.48	-	-	94.87	27.35	18.46	36.2	105	314	P	V
	*	2412	95.16	-	-	85.55	27.35	18.46	36.2	105	314	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.36	55.67	-18.33	74	46.18	27.26	18.42	36.19	360	28	P	H
		2390	46.74	-7.26	54	37.25	27.26	18.42	36.19	360	28	A	H
	*	2437	108.85	-	-	99.11	27.45	18.5	36.21	360	28	P	H
	*	2437	100.73	-	-	90.99	27.45	18.5	36.21	360	28	A	H
		2495.36	53.53	-20.47	74	43.47	27.68	18.61	36.23	360	28	P	H
		2489.12	43.31	-10.69	54	33.28	27.66	18.6	36.23	360	28	A	H
		2389.52	50.67	-23.33	74	41.18	27.26	18.42	36.19	100	313	P	V
		2389.36	41.03	-12.97	54	31.54	27.26	18.42	36.19	100	313	A	V
	*	2437	104.74	-	-	95	27.45	18.5	36.21	100	313	P	V
	*	2437	96.05	-	-	86.31	27.45	18.5	36.21	100	313	A	V
		2485.76	51.06	-22.94	74	41.06	27.64	18.59	36.23	100	313	P	V
		2484	41.29	-12.71	54	31.28	27.64	18.59	36.22	100	313	A	V



WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 11 2462MHz	*	2462	108.62	-	-	98.74	27.55	18.55	36.22	378	33	P	H
	*	2462	100.91	-	-	91.03	27.55	18.55	36.22	378	33	A	H
		2483.84	59.95	-14.05	74	49.94	27.64	18.59	36.22	378	33	P	H
		2483.68	50.63	-3.37	54	40.63	27.63	18.59	36.22	378	33	A	H
													H
													H
	*	2462	101.36	-	-	91.48	27.55	18.55	36.22	100	309	P	V
	*	2462	93.36	-	-	83.48	27.55	18.55	36.22	100	309	A	V
		2484.16	53.44	-20.56	74	43.43	27.64	18.59	36.22	100	309	P	V
		2483.68	43.35	-10.65	54	33.35	27.63	18.59	36.22	100	309	A	V
													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 (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	60.27	-13.73	74	52.84	32.14	12.73	37.44	109	133	P	H
		4824	47.32	-6.68	54	39.89	32.14	12.73	37.44	109	133	A	H
													H
													H
		4824	59.26	-14.74	74	51.83	32.14	12.73	37.44	394	355	P	V
		4824	45.66	-8.34	54	38.23	32.14	12.73	37.44	394	355	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	53.83	-20.17	74	46.24	32.3	12.77	37.48	104	131	P	H
		4874	44.17	-9.83	54	36.58	32.3	12.77	37.48	104	131	A	H
		7311	47.79	-26.21	74	34	36.76	15.38	38.35	-	-	P	H
													H
													H
		4874	47.77	-26.23	74	40.18	32.3	12.77	37.48	-	-	P	V
		7311	46.76	-27.24	74	32.97	36.76	15.38	38.35	-	-	P	V
													V
802.11n HT20 CH 11 2462MHz		4924	54.35	-19.65	74	46.59	32.49	12.79	37.52	100	131	P	H
		4924	44.35	-9.65	54	36.59	32.49	12.79	37.52	100	131	A	H
		7386	47.96	-26.04	74	34.45	36.46	15.46	38.41	-	-	P	H
													H
													H
		4924	47.52	-26.48	74	39.76	32.49	12.79	37.52	-	-	P	V
		7386	47.03	-26.97	74	33.52	36.46	15.46	38.41	-	-	P	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 HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2386.8	61.66	-12.34	74	52.18	27.25	18.42	36.19	357	23	P	H
		2389.68	48.41	-5.59	54	38.92	27.26	18.42	36.19	357	23	A	H
	*	2437	102.5	-	-	92.76	27.45	18.5	36.21	357	23	P	H
	*	2437	95.17	-	-	85.43	27.45	18.5	36.21	357	23	A	H
		2488.32	56.77	-17.23	74	46.76	27.65	18.59	36.23	357	23	P	H
		2494	44.09	-9.91	54	34.04	27.68	18.6	36.23	357	23	A	H
		2386.8	55.04	-18.96	74	45.56	27.25	18.42	36.19	100	313	P	V
		2389.2	42.45	-11.55	54	32.96	27.26	18.42	36.19	100	313	A	V
	*	2437	97.98	-	-	88.24	27.45	18.5	36.21	100	313	P	V
	*	2437	90.94	-	-	81.2	27.45	18.5	36.21	100	313	A	V
		2487.6	53.23	-20.77	74	43.22	27.65	18.59	36.23	100	313	P	V
		2485.04	41.24	-12.76	54	31.24	27.64	18.59	36.23	100	313	A	V
802.11n HT40 CH 06 2437MHz		2388.88	63.43	-10.57	74	53.94	27.26	18.42	36.19	378	32	P	H
		2389.36	48.56	-5.44	54	39.07	27.26	18.42	36.19	378	32	A	H
	*	2437	104.99	-	-	95.25	27.45	18.5	36.21	378	32	P	H
	*	2437	97.31	-	-	87.57	27.45	18.5	36.21	378	32	A	H
		2483.52	64.45	-9.55	74	54.45	27.63	18.59	36.22	378	32	P	H
		2483.76	50.64	-3.36	54	40.63	27.64	18.59	36.22	378	32	A	H
		2384.88	55.96	-18.04	74	46.5	27.24	18.41	36.19	100	313	P	V
		2390	44.64	-9.36	54	35.15	27.26	18.42	36.19	100	313	A	V
	*	2437	100.71	-	-	90.97	27.45	18.5	36.21	100	313	P	V
	*	2437	93.15	-	-	83.41	27.45	18.5	36.21	100	313	A	V
		2483.52	56.35	-17.65	74	46.35	27.63	18.59	36.22	100	313	P	V
		2483.52	44.15	-9.85	54	34.15	27.63	18.59	36.22	100	313	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 09 2452MHz		2389.52	58.98	-15.02	74	49.49	27.26	18.42	36.19	378	32	P	H
		2389.36	43.1	-10.9	54	33.61	27.26	18.42	36.19	378	32	A	H
	*	2452	101.96	-	-	92.13	27.51	18.53	36.21	378	32	P	H
	*	2452	95	-	-	85.17	27.51	18.53	36.21	378	32	A	H
		2486.56	64.73	-9.27	74	54.72	27.65	18.59	36.23	378	32	P	H
		2483.6	50.43	-3.57	54	40.43	27.63	18.59	36.22	378	32	A	H
		2385.68	52.8	-21.2	74	43.34	27.24	18.41	36.19	100	311	P	V
		2388.08	41.06	-12.94	54	31.58	27.25	18.42	36.19	100	311	A	V
	*	2452	97.26	-	-	87.43	27.51	18.53	36.21	100	311	P	V
	*	2452	89.66	-	-	79.83	27.51	18.53	36.21	100	311	A	V
		2485.52	55.74	-18.26	74	45.74	27.64	18.59	36.23	100	311	P	V
		2484.64	42.84	-11.16	54	32.84	27.64	18.59	36.23	100	311	A	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 HT40 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	47.68	-26.32	74	40.13	32.26	12.74	37.45	-	-	P	H
		7266	46.83	-27.17	74	33	36.8	15.35	38.32	-	-	P	H
													H
													H
		4844	45.21	-28.79	74	37.66	32.26	12.74	37.45	-	-	P	V
		7266	46.54	-27.46	74	32.71	36.8	15.35	38.32	-	-	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	47.62	-26.38	74	40.03	32.3	12.77	37.48	-	-	P	H
		7311	47.03	-26.97	74	33.24	36.76	15.38	38.35	-	-	P	H
													H
													H
		4874	46.92	-27.08	74	39.33	32.3	12.77	37.48	-	-	P	V
		7311	47.51	-26.49	74	33.72	36.76	15.38	38.35	-	-	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	45.4	-28.6	74	37.79	32.33	12.78	37.5	-	-	P	H
		7356	47.03	-26.97	74	33.41	36.58	15.43	38.39	-	-	P	H
													H
													H
		4904	44.1	-29.9	74	36.49	32.33	12.78	37.5	-	-	P	V
		7356	46.14	-27.86	74	32.52	36.58	15.43	38.39	-	-	P	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 below 1GHz
2.4GHz WIFI 802.11b (LF)

[illegible]



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 over limit 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	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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. Over Limit(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. Over Limit(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. Over Limit(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”.



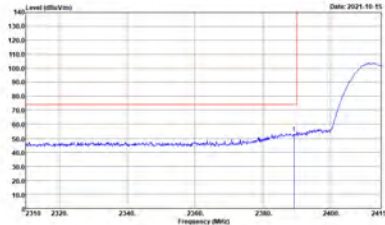
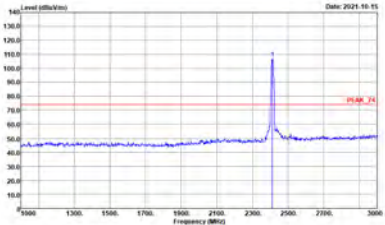
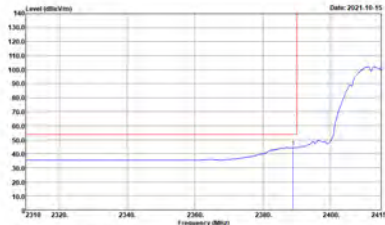
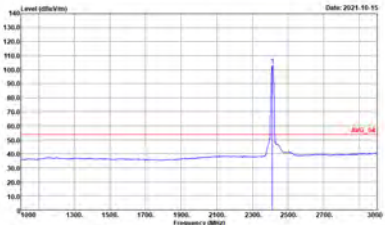
Appendix D. Radiated Spurious Emission Plots

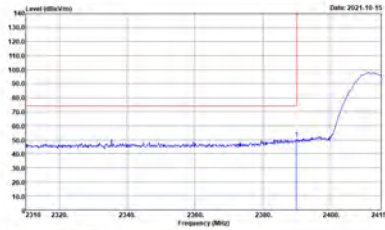
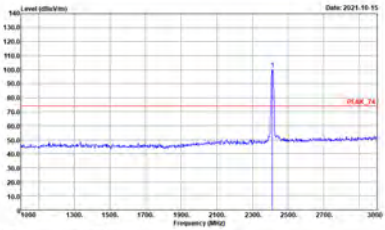
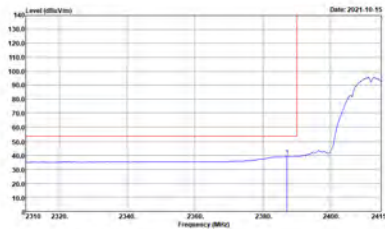
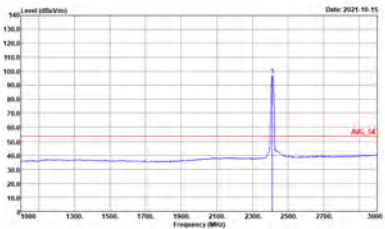
Test Engineer :	Troye Hsieh and JC Liang	Temperature :	19.3~23.1°C
		Relative Humidity :	61.6~68.9%

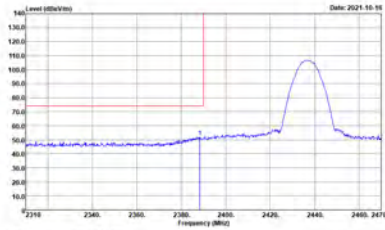
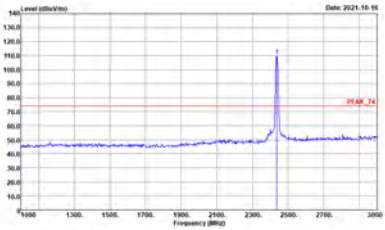
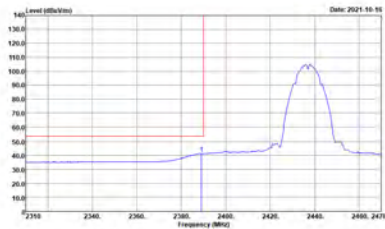
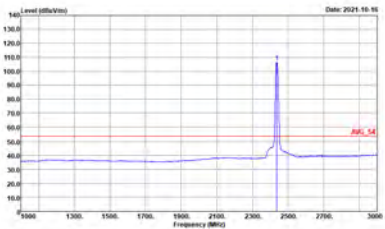
Note symbol

-L	Low channel location
-R	High channel location

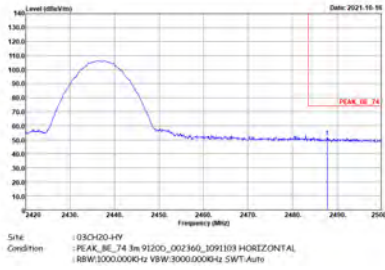
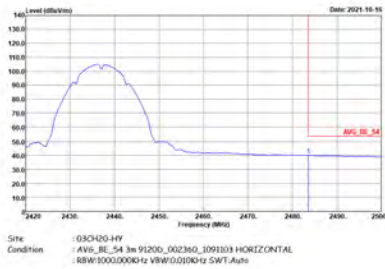
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

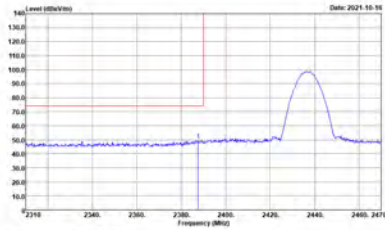
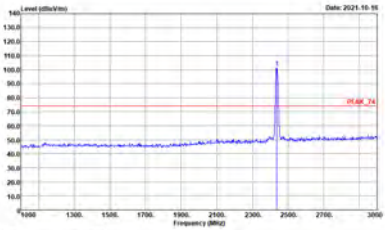
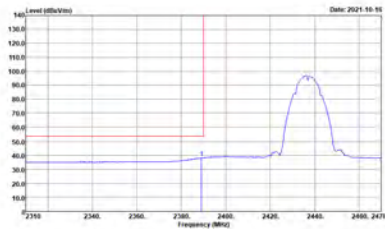
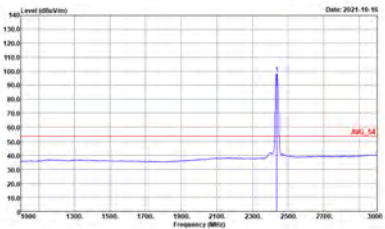
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	802.11b CH01 2412MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH01 2412MHz	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_RE_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_RE_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

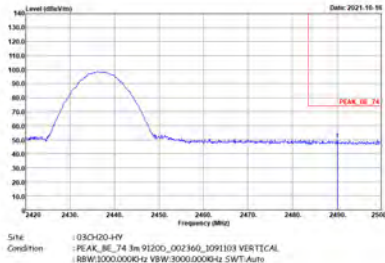
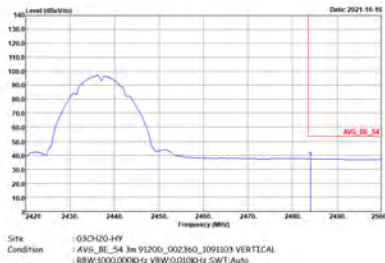
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH06 2437MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_ME_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_ME_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

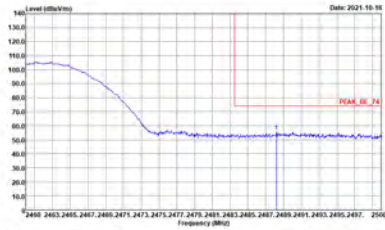
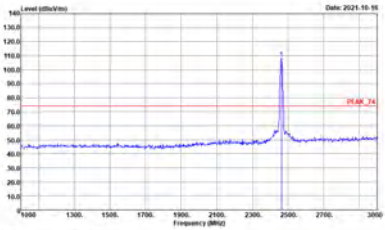
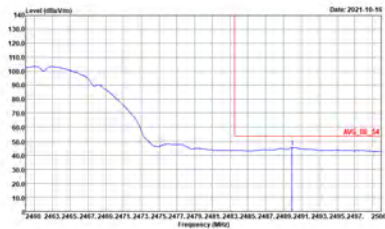
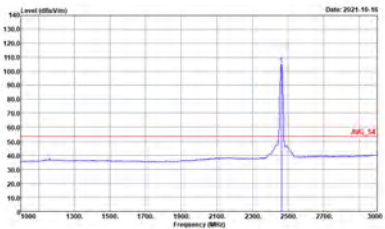


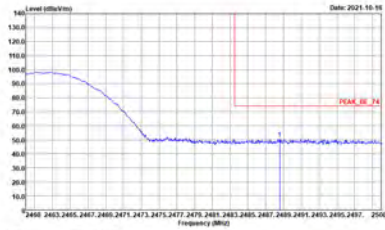
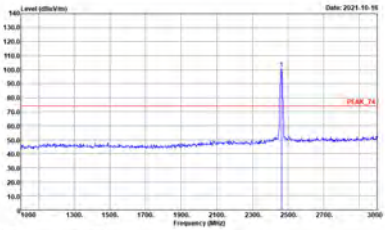
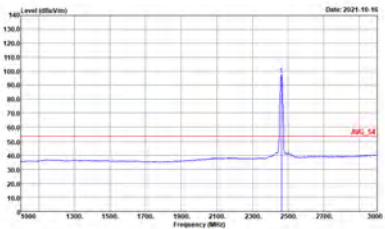
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH06 2437MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH06 2437MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

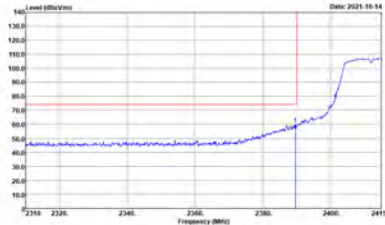
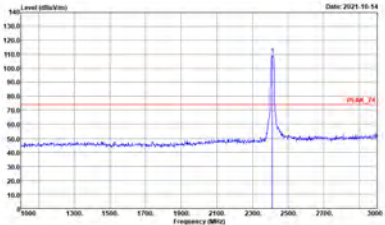
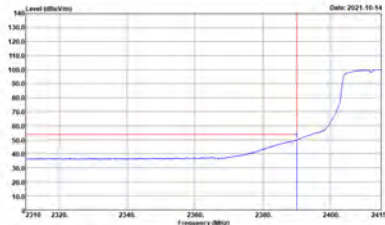
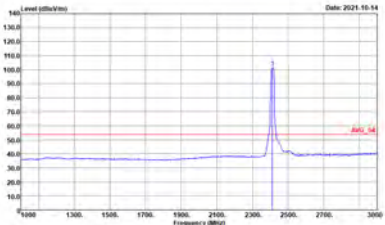


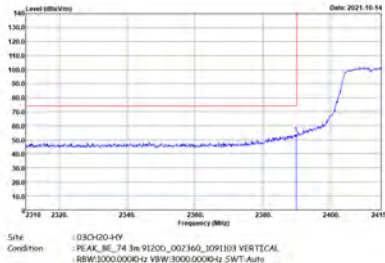
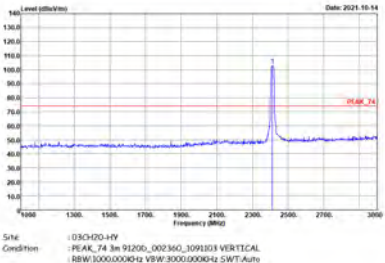
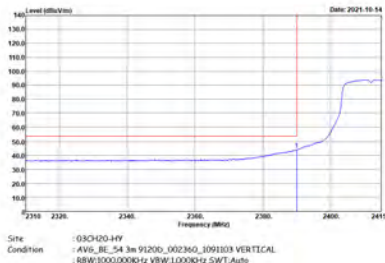
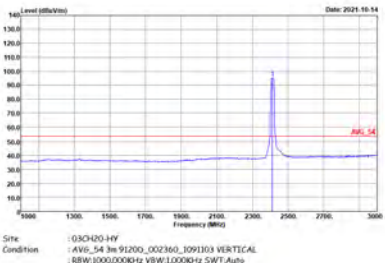
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH06 2437MHz - R	
	Vertical	Fundamental
Peak	 Site : 03CH20-4Y Condition : PEAK_BE_74 3m 91200_002360_1091103 VERTICAL RBW:1000.000Hz VBW:3000.000Hz SWT:Auto	Left blank
Avg.	 Site : 03CH20-4Y Condition : AVG_BE_54 3m 91200_002360_1091103 VERTICAL RBW:1000.000Hz VBW:0.010Hz SWT:Auto	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH11 2462MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH11 2462MHz	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

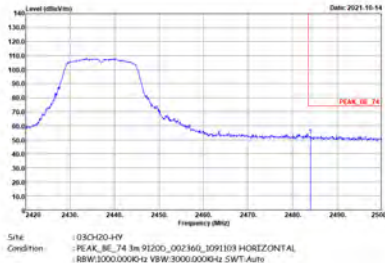
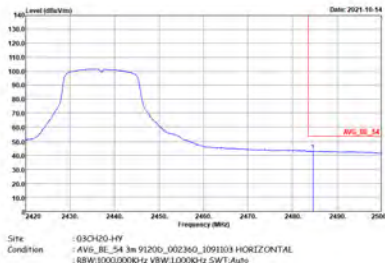
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH01 2412MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_F4 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto	 Site : 03CH20-HY Condition : AVG_F4 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto

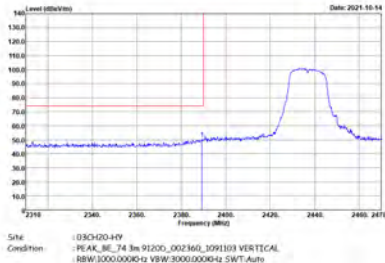
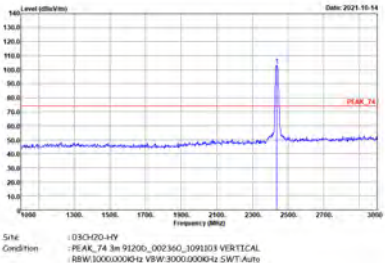
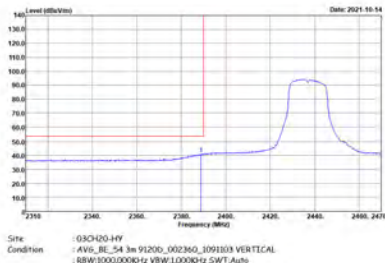
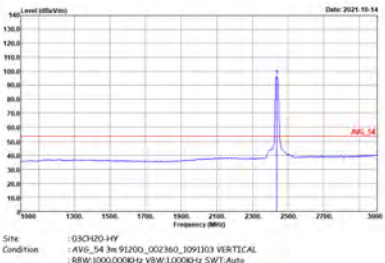
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH01 2412MHz	
	Vertical	Fundamental
Peak		
Avg.		



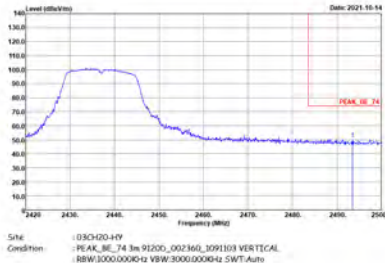
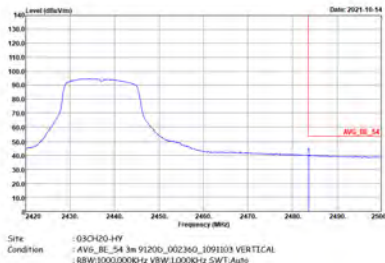
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH06 2437MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

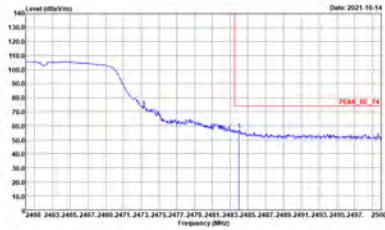
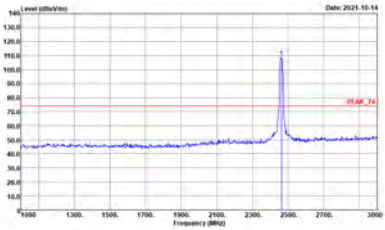
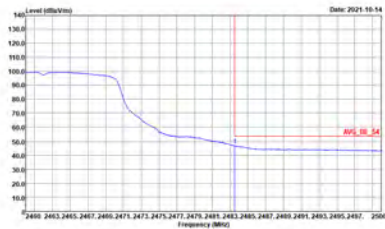
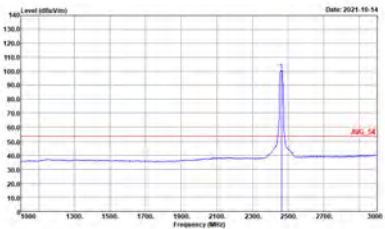


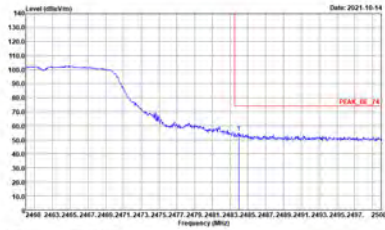
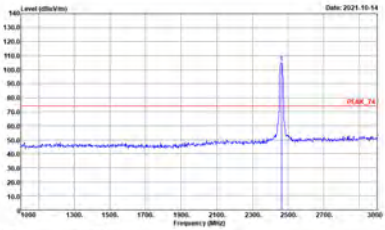
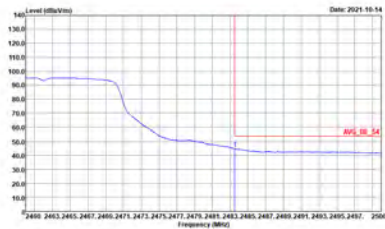
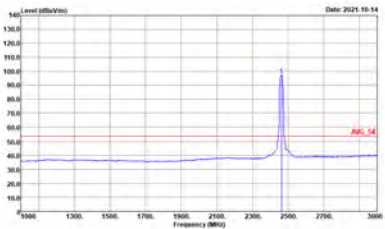
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH06 2437MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH06 2437MHz - L	
	Vertical	Fundamental
Peak	 Site: 03CH20-HV Condition: PEAK, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site: 03CH20-HV Condition: PEAK, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site: 03CH20-HV Condition: AVG, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto	 Site: 03CH20-HV Condition: AVG, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto

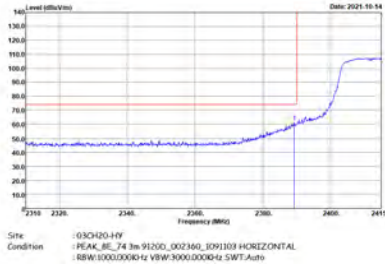
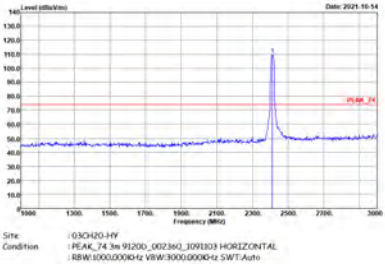
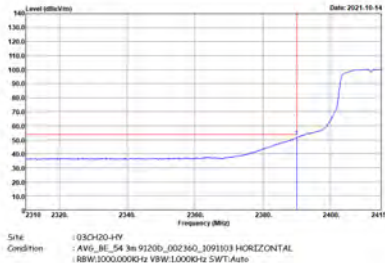
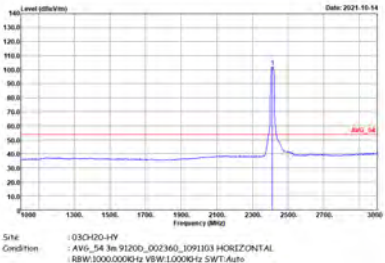


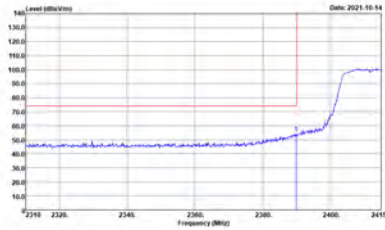
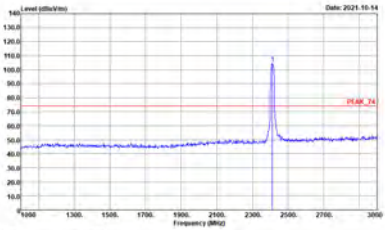
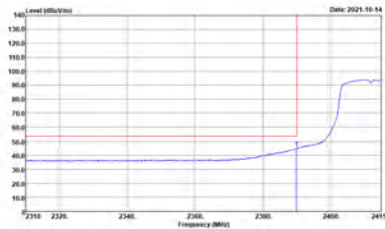
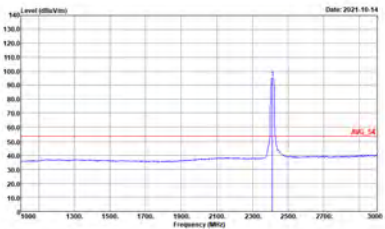
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH06 2437MHz - R	
	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

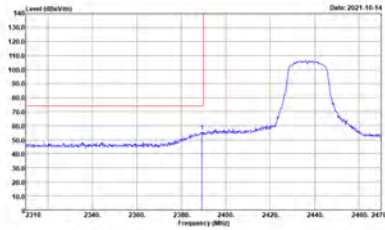
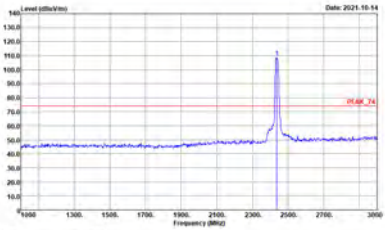
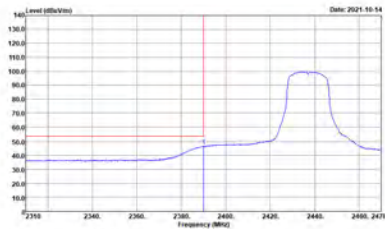
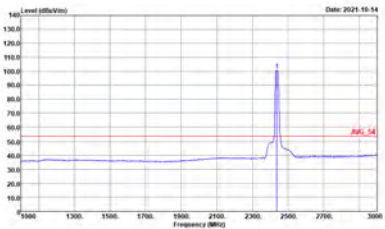
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH11 2462MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH11 2462MHz	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto

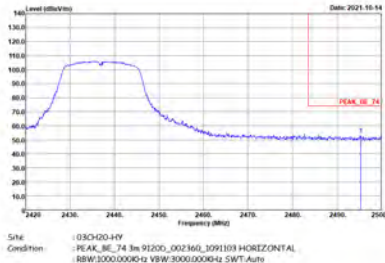
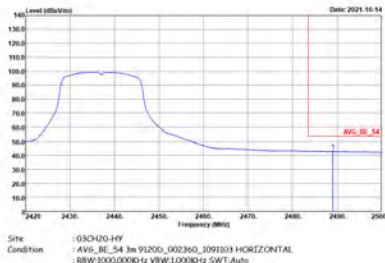
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

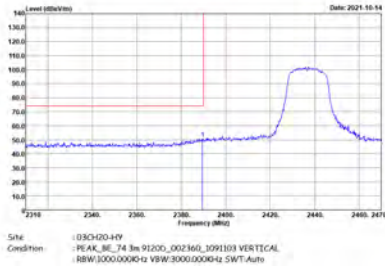
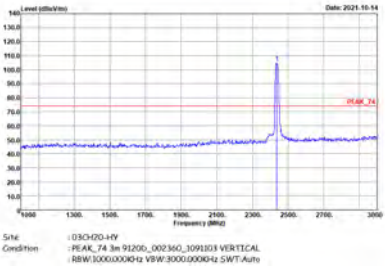
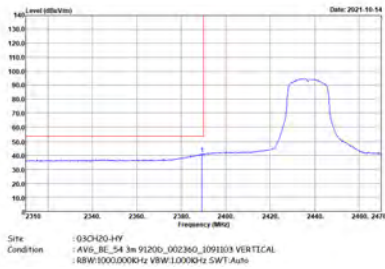
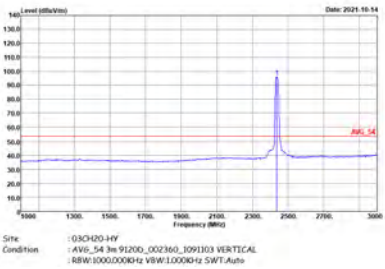
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH01 2412MHz	
	Horizontal	Fundamental
Peak	 Site: :03CH20-HF Condition: :PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site: :03CH20-HF Condition: :PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site: :03CH20-HF Condition: :AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto	 Site: :03CH20-HF Condition: :AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH01 2412MHz	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto

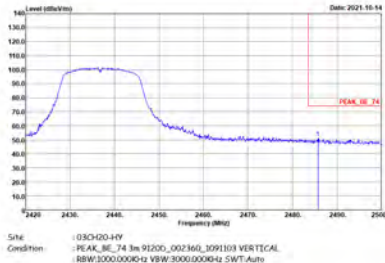
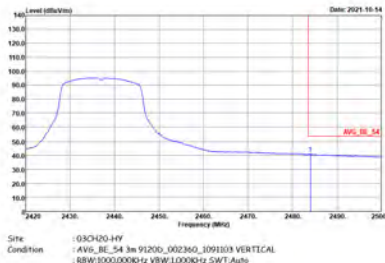
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH06 2437MHz - L	
	Horizontal	Fundamental
Peak	 Site: 03CH20-HV Condition: PEAK, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site: 03CH20-HV Condition: PEAK, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site: 03CH20-HV Condition: AVG, 54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto	 Site: 03CH20-HV Condition: AVG, 54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto

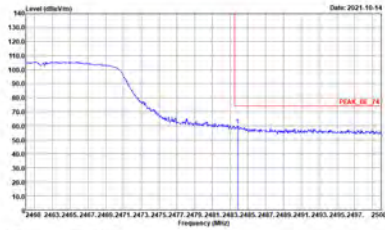
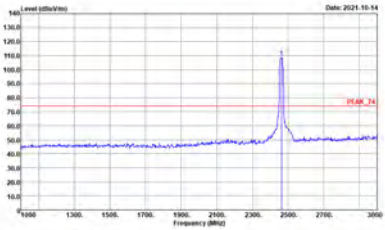
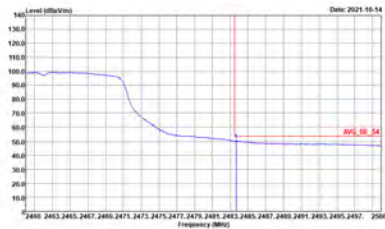
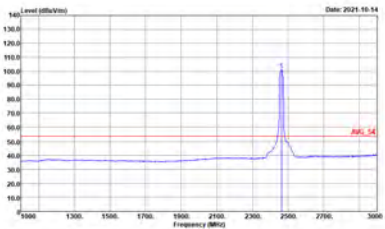


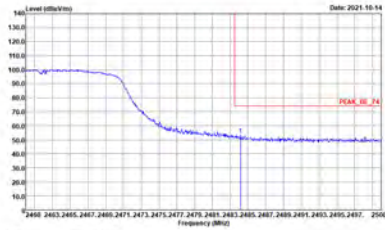
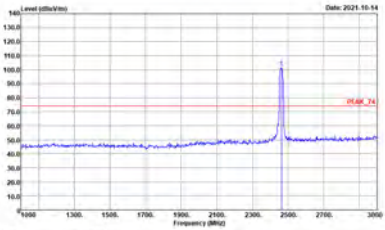
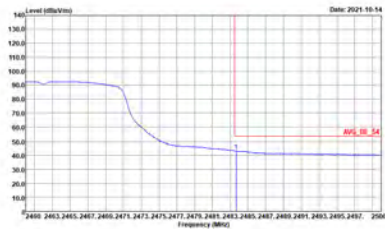
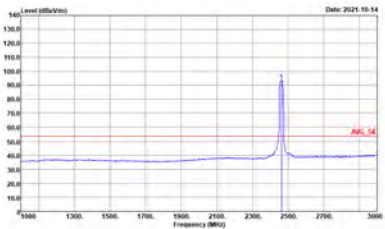
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH06 2437MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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

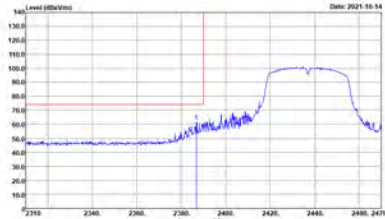
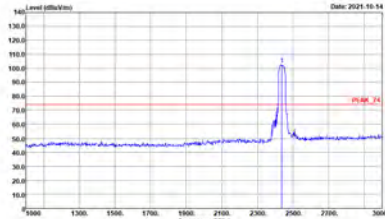
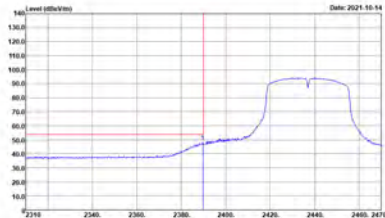
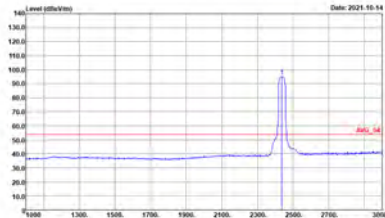


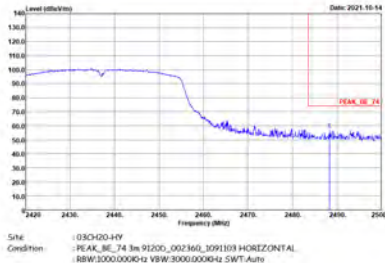
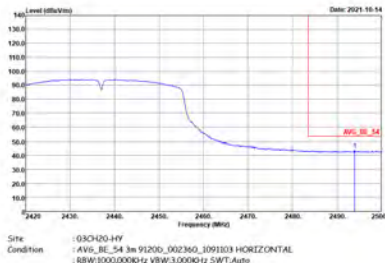
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH06 2437MHz - R	
	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT20 CH11 2462MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
	802.11n HT20 CH11 2462MHz	
	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto	 Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091101 VERTICAL RBW:1000.0000Hz VBW:10000Hz SWT:Auto

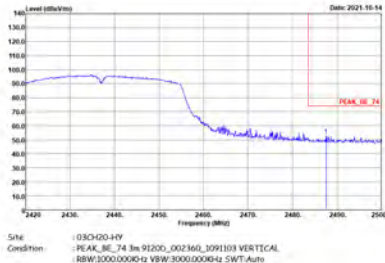
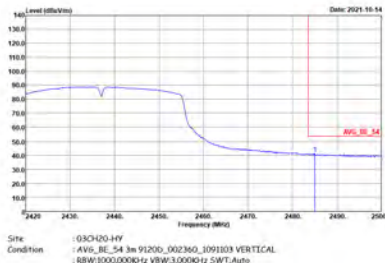
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH03 2422MHz - L	
	Horizontal	Fundamental
Peak	 Site: :03CH20-HV Condition: :PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3.0000dB SWT:Auto	 Site: :03CH20-HV Condition: :PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3.0000dB SWT:Auto
Avg.	 Site: :03CH20-HV Condition: :AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3.0000dB SWT:Auto	 Site: :03CH20-HV Condition: :AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VSW:3.0000dB SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH03 2422MHz - R	
	Horizontal	Fundamental
Peak		Left Blank
Avg.		Left Blank

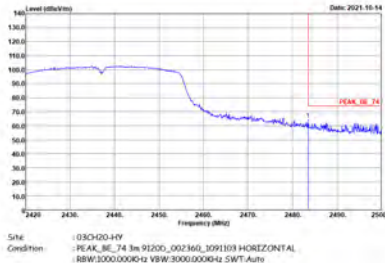
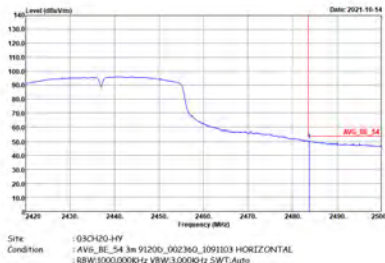


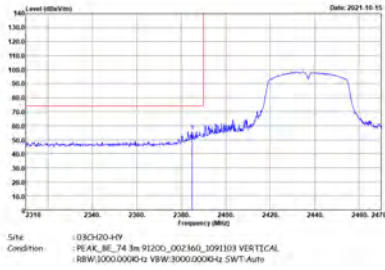
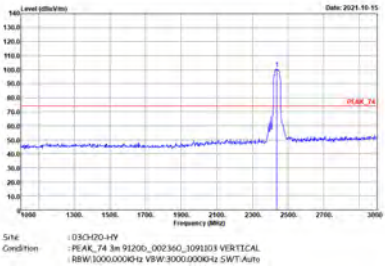
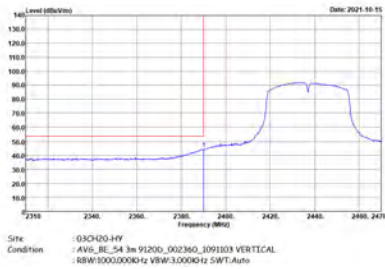
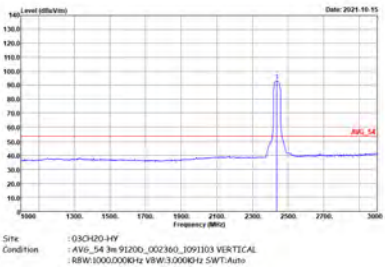
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH03 2422MHz - L	
	Vertical	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Site : 03CH20-HV Condition : PEAK, 74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG, 54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto	Site : 03CH20-HV Condition : AVG, 54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto

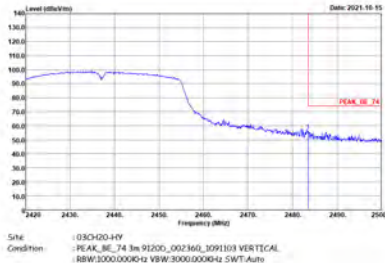
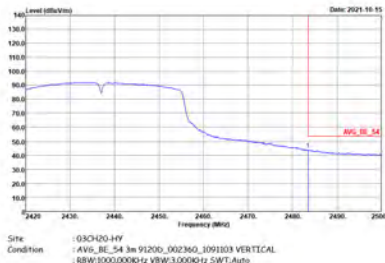
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH03 2422MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH06 2437MHz - L	
	Horizontal	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Site : 03CH20-HV Condition : PEAK, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto	Site : 03CH20-HV Condition : AVG, 74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH06 2437MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

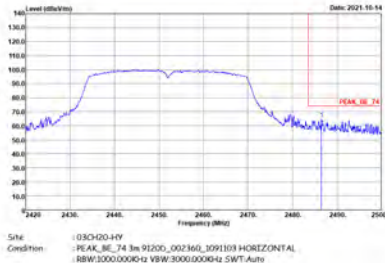
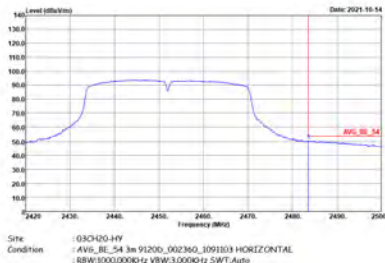
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH06 2437MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

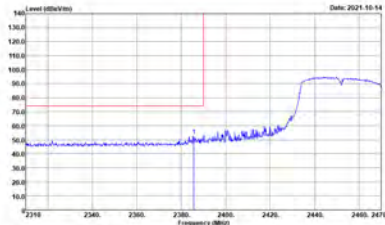
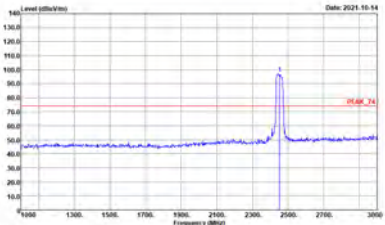
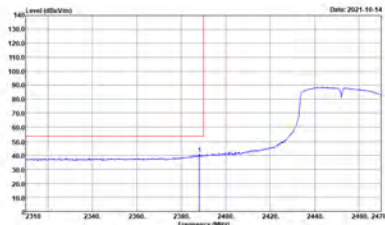
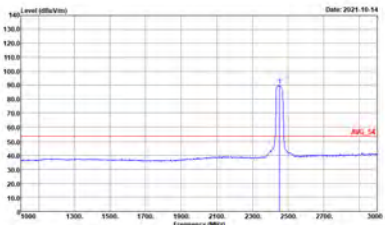
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH06 2437MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

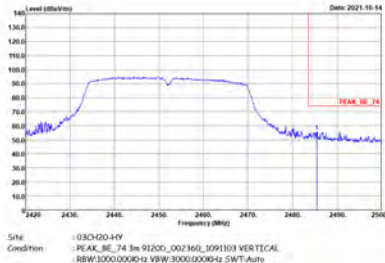
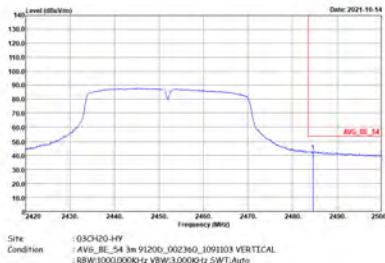


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH09 2452MHz - L	
	Horizontal	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Site : 03CH20-HV Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto	Site : 03CH20-HV Condition : AVG_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto

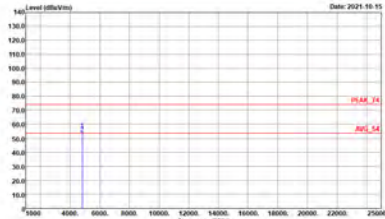
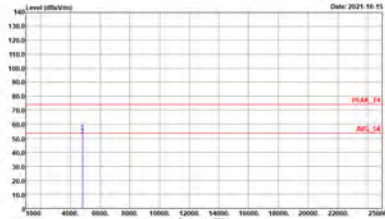


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH09 2452MHz - R	
	Horizontal	Fundamental
Peak	 Site : 03CH20-4-Y Condition : PEAK_BE_74 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000 Hz VBW:3000.0000 Hz SWT:Auto	Left blank
Avg.	 Site : 03CH20-4-Y Condition : AVG_BE_54 3m 91200_002360_1091103 HORIZONTAL RBW:1000.0000 Hz VBW:3.0000 Hz SWT:Auto	Left blank

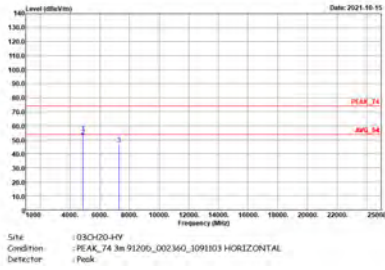
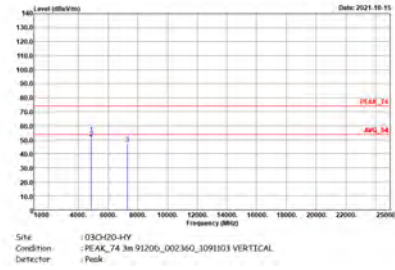
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH09 2452MHz - L	
	Vertical	Fundamental
Peak	 Site: 03CH20-HV Condition: PEAK_ME_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site: 03CH20-HV Condition: PEAK_ME_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site: 03CH20-HV Condition: AVG_ME_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto	 Site: 03CH20-HV Condition: AVG_ME_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3.0000Hz SWT:Auto

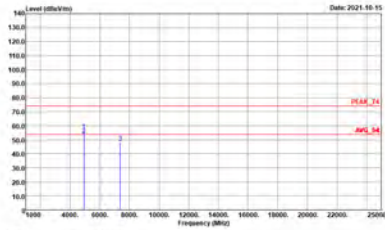
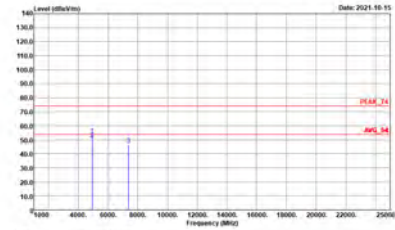
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11n HT40 CH09 2452MHz - R	
	Vertical	Fundamental
Peak	 Site : 03CH20-4-Y Condition : PEAK_BE_74 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Left blank
Avg.	 Site : 03CH20-4-Y Condition : AVG_BE_54 3m 91200_002360_1091103 VERTICAL RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Left blank

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11b CH01 2412MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_002360_1091103 HORIZONTAL Detector : Peak	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_002360_1091103 VERTICAL Detector : Peak

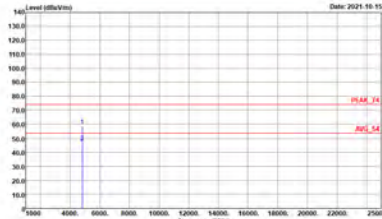
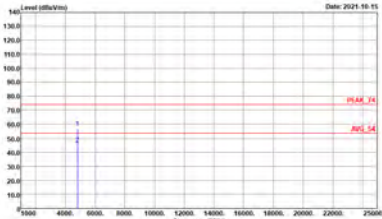


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11b CH06 2437MHz	
	Horizontal	Vertical
Peak Avg.		

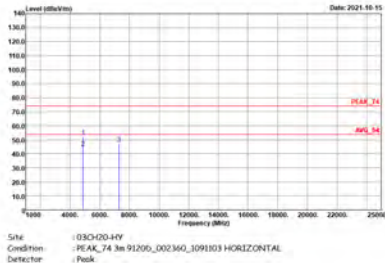
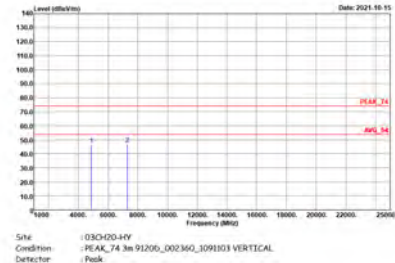
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11b CH11 2462MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91205_002360_1091103 HORIZONTAL Detector : Peak	 Site : 03CH20-HY Condition : PEAK_74 3m 91205_002360_1091103 VERTICAL Detector : Peak

2.4GHz 2400~2483.5MHz

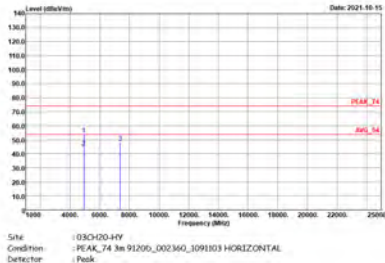
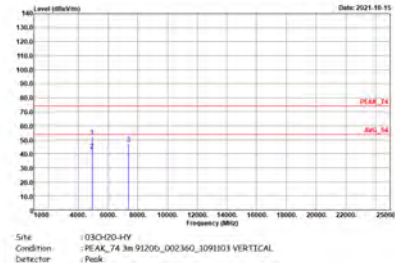
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11g CH01 2412MHz	
	Horizontal	Vertical
Peak Avg.	 Site: 03CH20-HY Condition: PEAK_74 3m 91200_002360_1091103 HORIZONTAL Detector: Peak	 Site: 03CH20-HY Condition: PEAK_74 3m 91200_002360_1091103 VERTICAL Detector: Peak



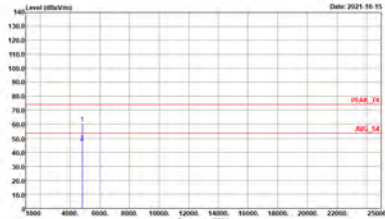
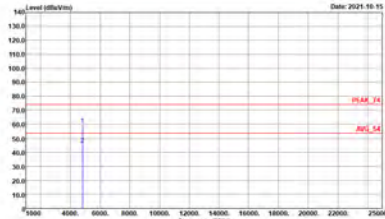
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11g CH06 2437MHz	
	Horizontal	Vertical
Peak Avg.		



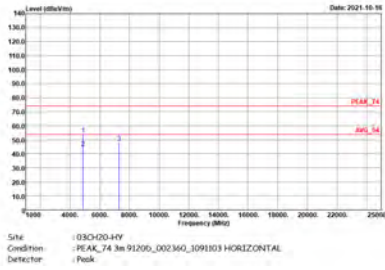
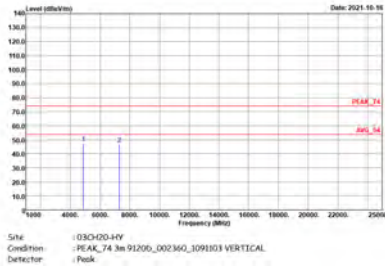
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11g CH11 2462MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91205_002360_1091103 HORIZONTAL Detector : Peak	 Site : 03CH20-HY Condition : PEAK_74 3m 91205_002360_1091103 VERTICAL Detector : Peak

2.4GHz 2400~2483.5MHz

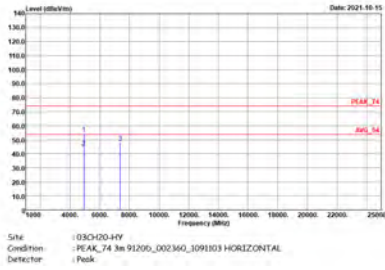
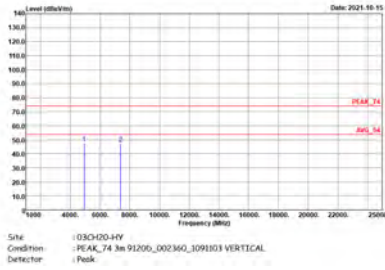
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT20 CH01 2412MHz	
	Horizontal	Vertical
Peak Avg.	 Site: 03CH20-HY Condition: PEAK_74 3m 91200_002360_1091103 HORIZONTAL Detector: Peak	 Site: 03CH20-HY Condition: PEAK_74 3m 91200_002360_1091103 VERTICAL Detector: Peak



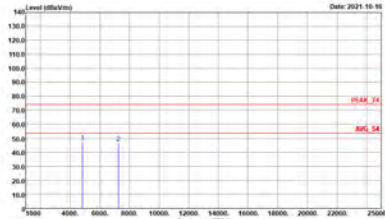
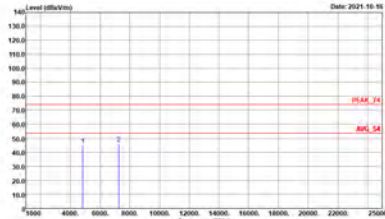
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT20 CH06 2437MHz	
	Horizontal	Vertical
Peak Avg.	 File : 03CH20-4V Condition : PEAK_74 3m 91206_002360_1091103 HORIZONTAL Detector : Peak	 File : 03CH20-4V Condition : PEAK_74 3m 91206_002360_1091103 VERTICAL Detector : Peak



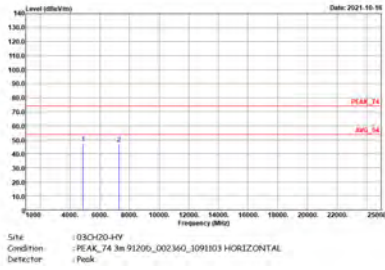
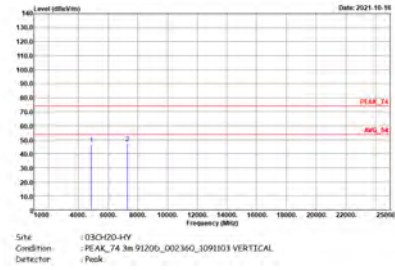
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT20 CH11 2462MHz	
	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

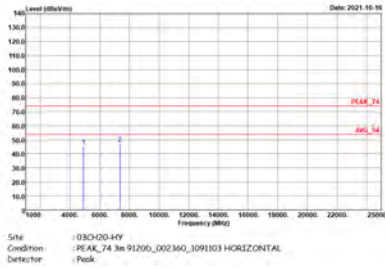
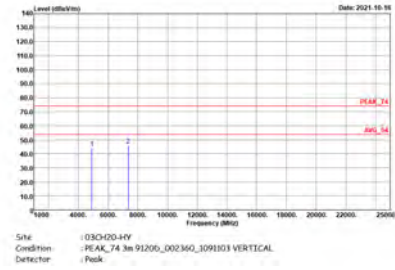
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT40 CH03 2422MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_002360_1091303 HORIZONTAL Detector : Peak	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_002360_1091303 VERTICAL Detector : Peak

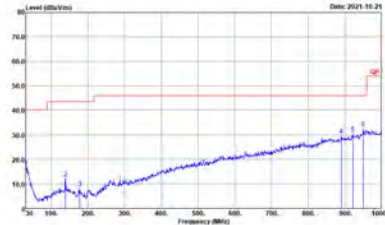
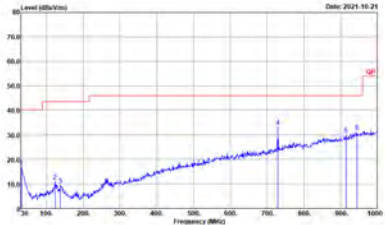


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT40 CH06 2437MHz	
	Horizontal	Vertical
Peak Avg.		



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11n HT40 CH09 2452MHz	
	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz
2.4GHz WIFI 802.11b (LF)

WIFI	2.4GHz 2400~2483.5MHz	
	802.11b LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HY Condition : QP 3m LF_55606408_3091022 HORIZONTAL Detector : Peak	 Site : 03CH20-HY Condition : QP 3m LF_55606408_3091022 VERTICAL Detector : Peak



Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11b	100.00	-	-	10Hz	0.00
802.11g	93.32	2066	0.48	1kHz	0.30
2.4GHz 802.11n HT20	95.08	1933	0.52	1kHz	0.22
2.4GHz 802.11n HT40	84.82	950	1.05	3kHz	0.71

