



FCC RADIO TEST REPORT

FCC ID : ACJFZS1A
Equipment : Tablet Computer
Brand Name : Panasonic
Model Name : FZ-S1
Marketing Name : FZ-S1
Applicant : Panasonic Corporation of North America
Two Riverfront Plaza, 9th Floor, Newark, NJ
07102-5490
Manufacturer : Panasonic Mobile Communications Co., Ltd.
600 Saedo-cho, Tsuzuki-ku, Yokohama-city,
Kanagawa 224-8539, Japan
Standard : FCC Part 15 Subpart C §15.247

The product was received on Sep. 18, 2020 and testing was started from Oct. 06, 2020 and completed on Dec. 29, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR091742C	01	Initial issue of report	Dec. 21, 2020
FR091742C	02	Revise test data	Dec. 30, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	Under limit 3.20 dB at 2389.940 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 13.57 dB at 0.186 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: Wii Chang

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac and NFC.

Product Specification subjective to this standard	
Sample 1	FZ-S1
Sample 2	FZ-S1 with 2nd USB
Sample 3	FZ-S1 with BCR Landscape and 2nd USB
Sample 4	FZ-S1 with BCR Portrait
Sample 5	FZ-S1 with BCR Landscape
Antenna Type	WLAN: Loop Antenna Bluetooth: Loop Antenna NFC: Loop Antenna
Antenna Gain	2 dBi

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

Accessories Information		
AC Adapter	Brand Name	Panasonic
	Model Name	FZ-AAE184EM
Standard Battery	Brand Name	Panasonic
	Model Name	FZ-VZSUT10U
Large Battery	Brand Name	Panasonic
	Model Name	FZ-VZSUT11U

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, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH16-HY	

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

FCC designation No.: TW1190 and TW0007

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 and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0

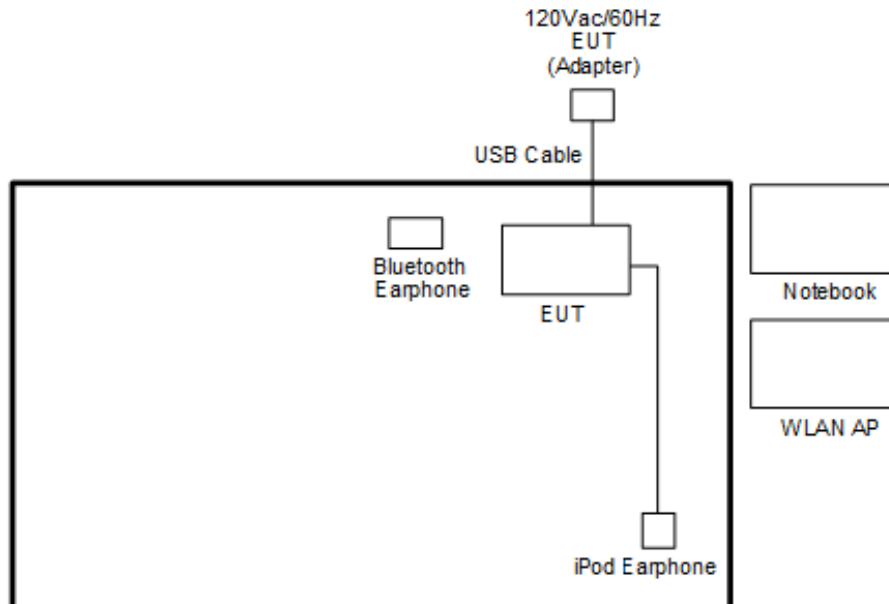
Test Cases	
AC Conducted Emission	Mode 1 :WLAN (2.4GHz) Link + Bluetooth Link + MPEG4 + Earphone + USB Cable (Charging from Adapter) for Sample 1 Mode 2 WLAN (2.4GHz) Idle + Bluetooth Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter) for Sample 1
Remark: 1. The worst case of conducted emission is mode 1; only the test data of it was reported. 2. For Radiated Test Cases, the tests were performed with Standard Battery and Sample 1.	

Ch. #	2400-2483.5 MHz			
	802.11b	802.11g	802.11n HT20	802.11n HT40
Low	01	01	01	03
	-	02	02	04
Middle	06	06	06	06
High	-	10	10	08
	11	11	11	09

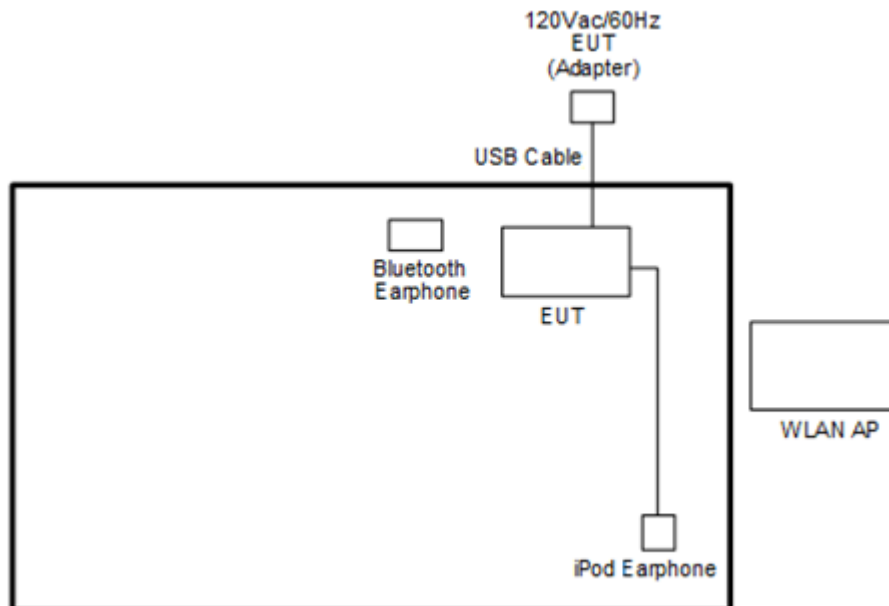
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

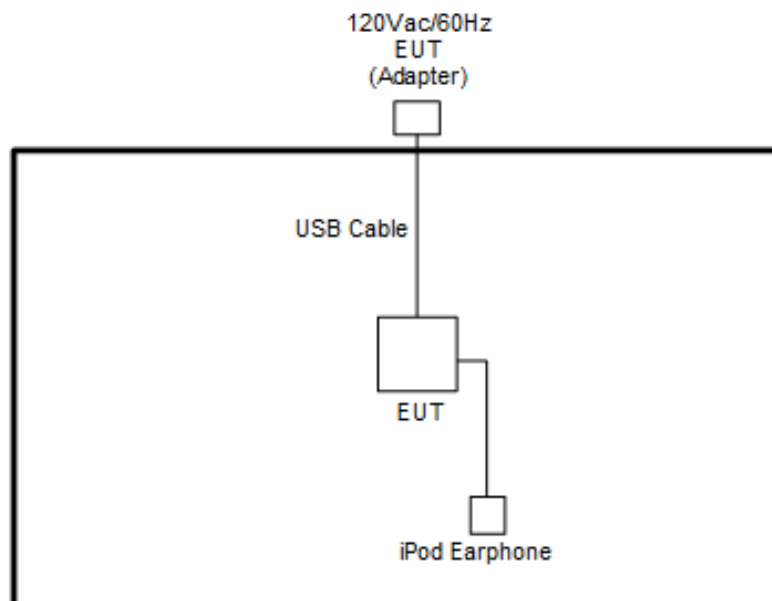
<AC Conducted Emission with Link Mode>



<AC Conducted Emission with Idle Mode>



<WLAN Tx>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
5.	Type-C USB Cable	LUXSHARE PRECISION LIMITED	L2UU3001-CS-R	N/A	Unshielded, 1.0m	N/A



2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0 00156.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB 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.

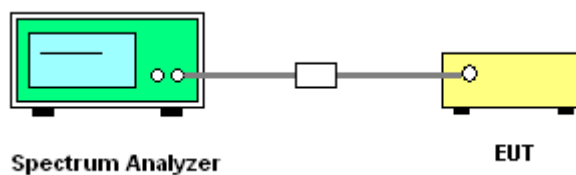
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT 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.

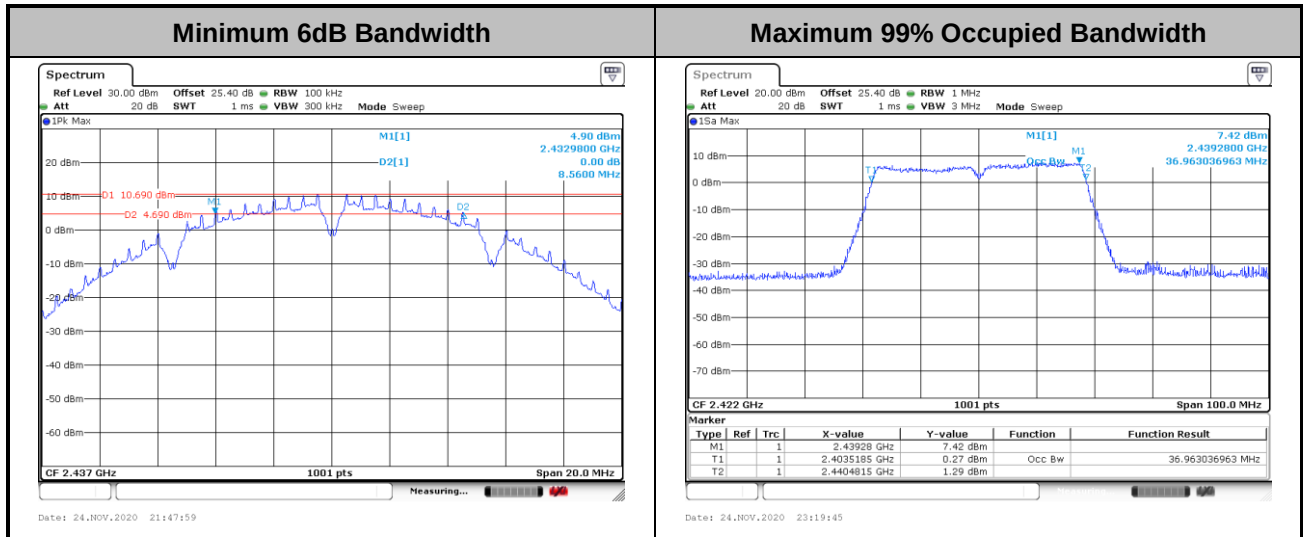
3.1.4 Test Setup





3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi 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 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

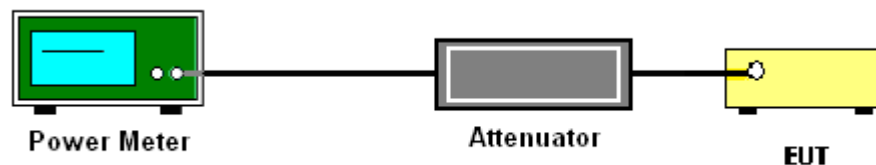
3.2.2 Measuring Instruments

See list of measuring equipment of 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 11.9.2.3.2 Method AVGPM-G
3. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. Set to the maximum power setting and enable the EUT 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 8dBm in any 3kHz band at any time interval of continuous transmission.

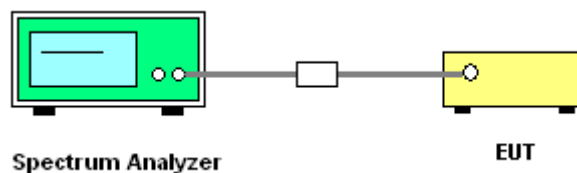
3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

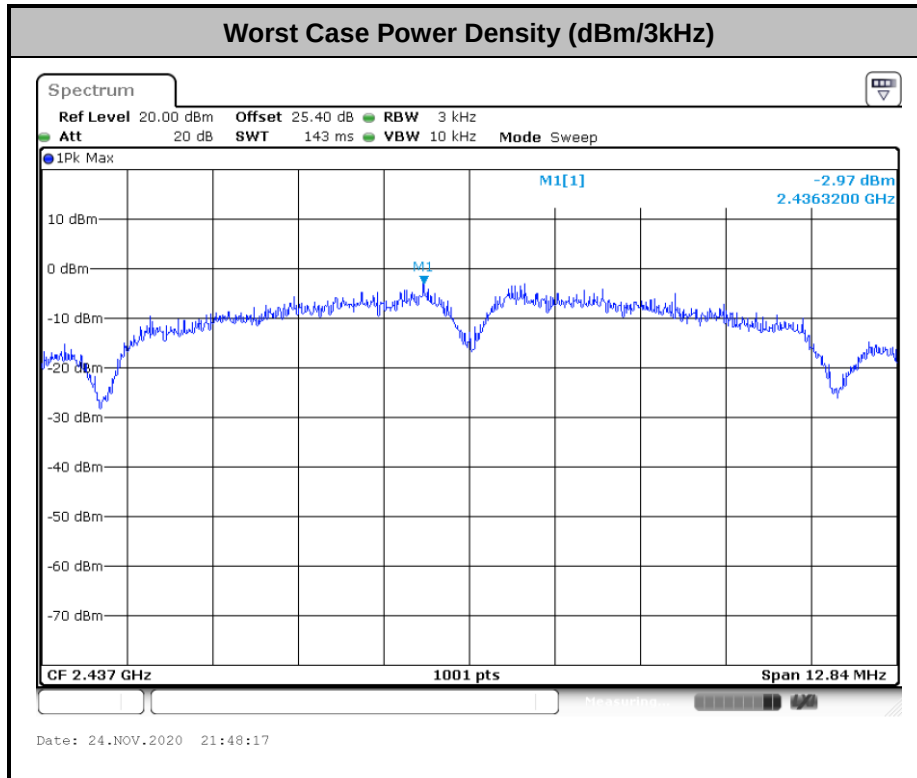
3.3.4 Test Setup





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.

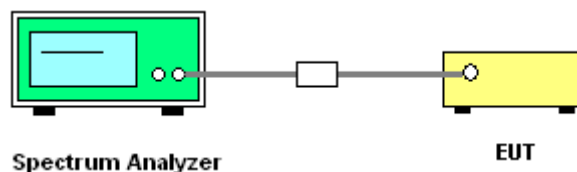
3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



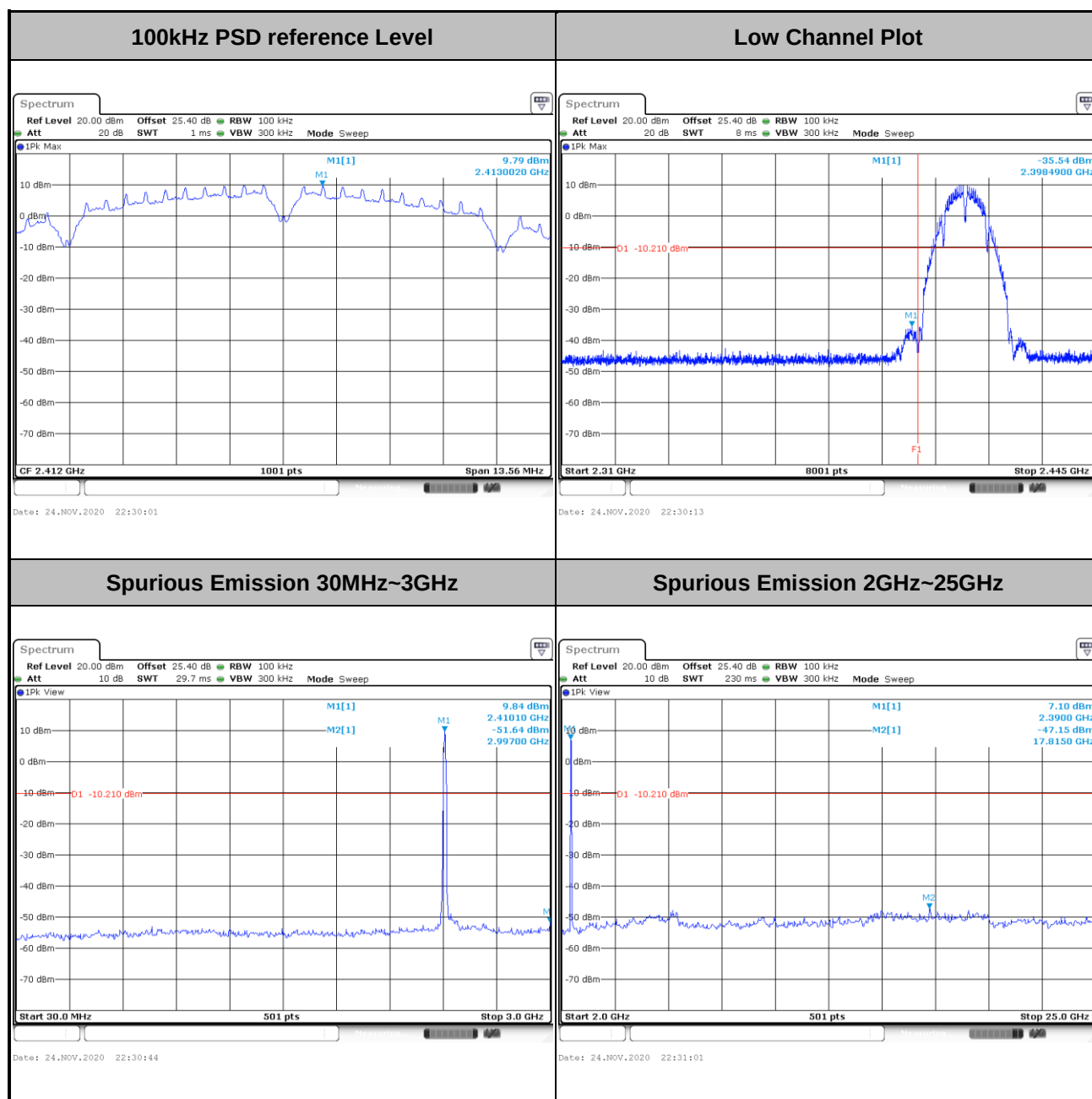


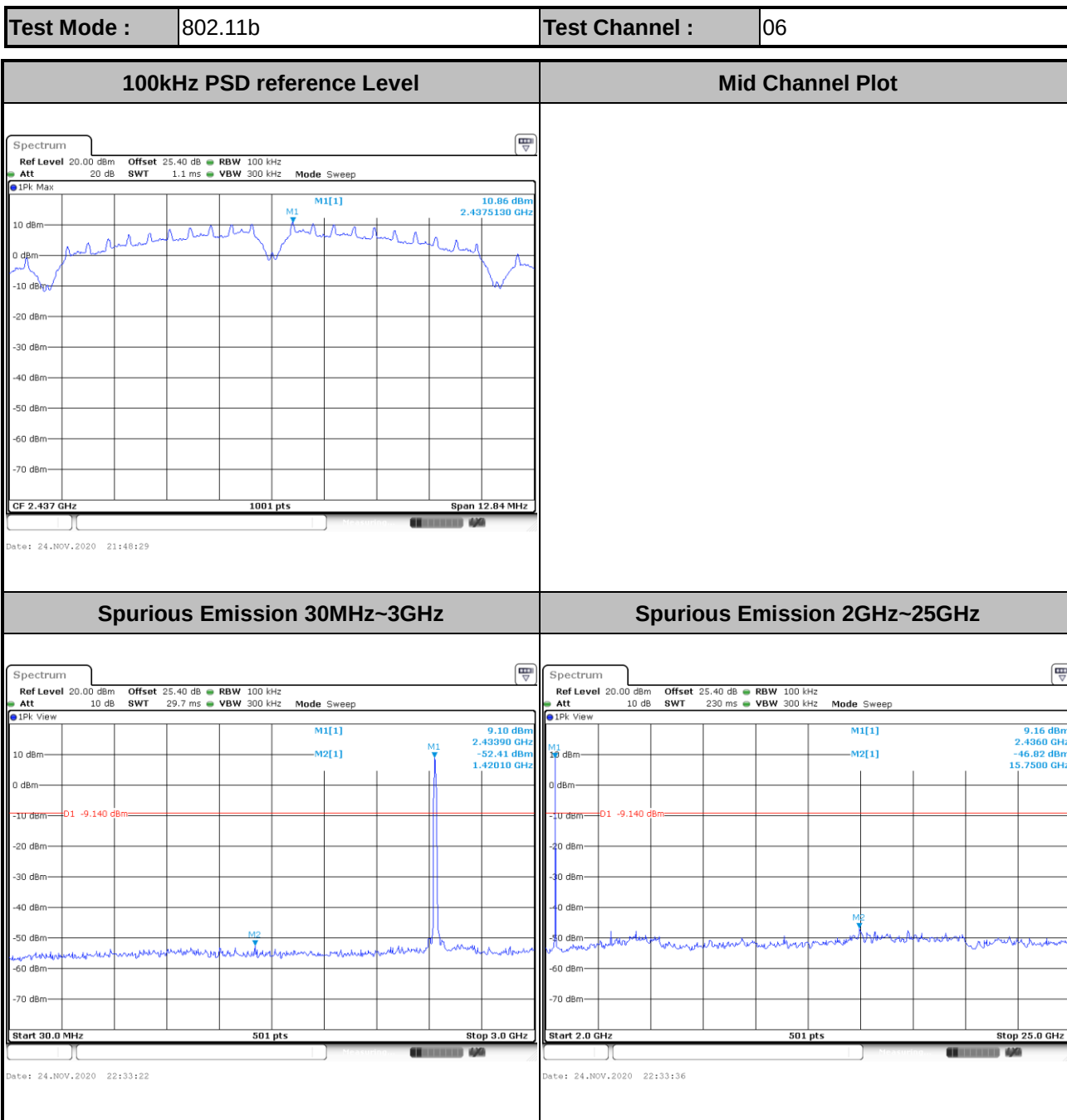
3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Engineer :	Eason Huang and Hank Hsu	Temperature :	21~25°C
		Relative Humidity :	51~54%

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

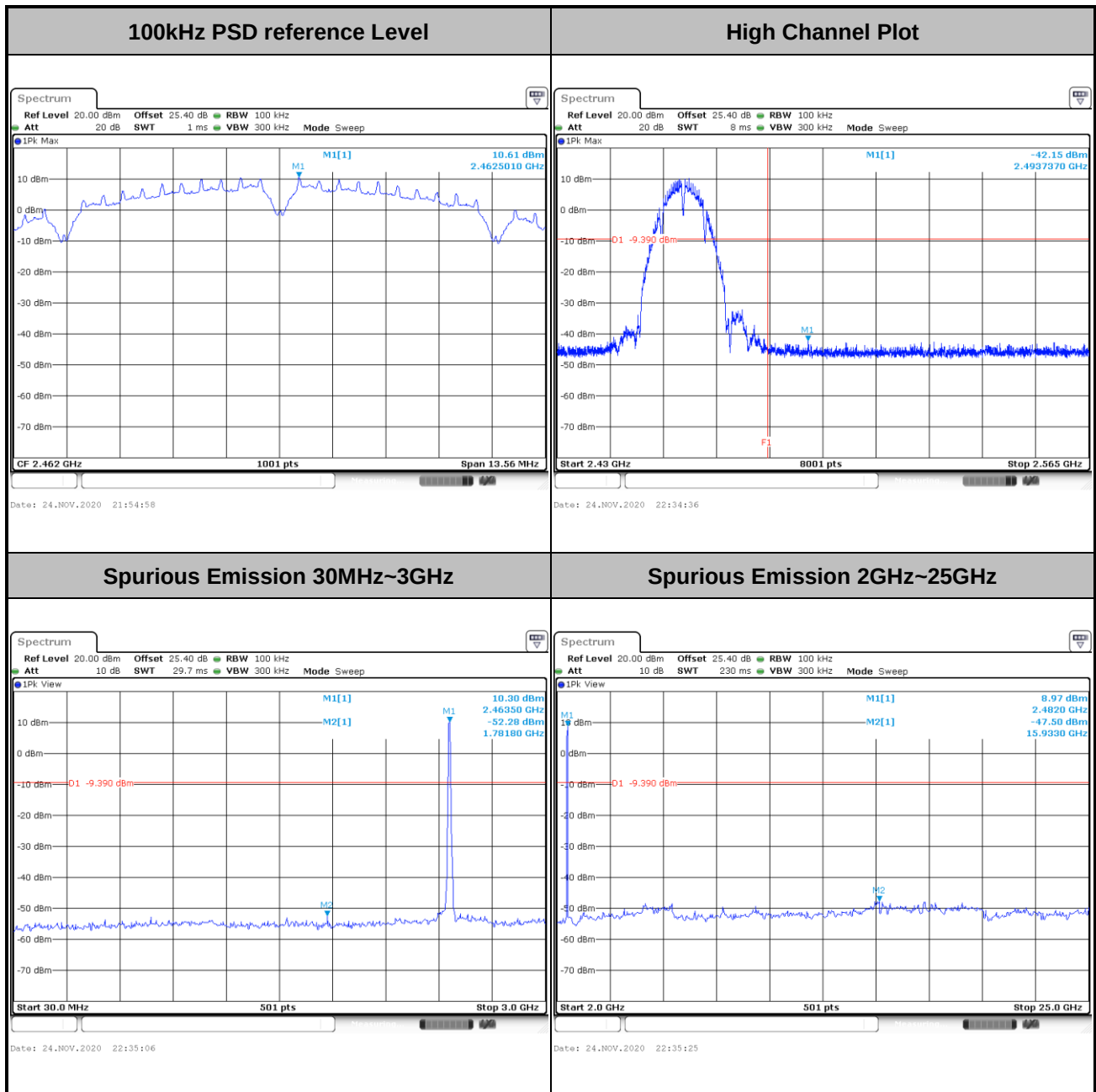
Test Mode :	802.11b	Test Channel :	01
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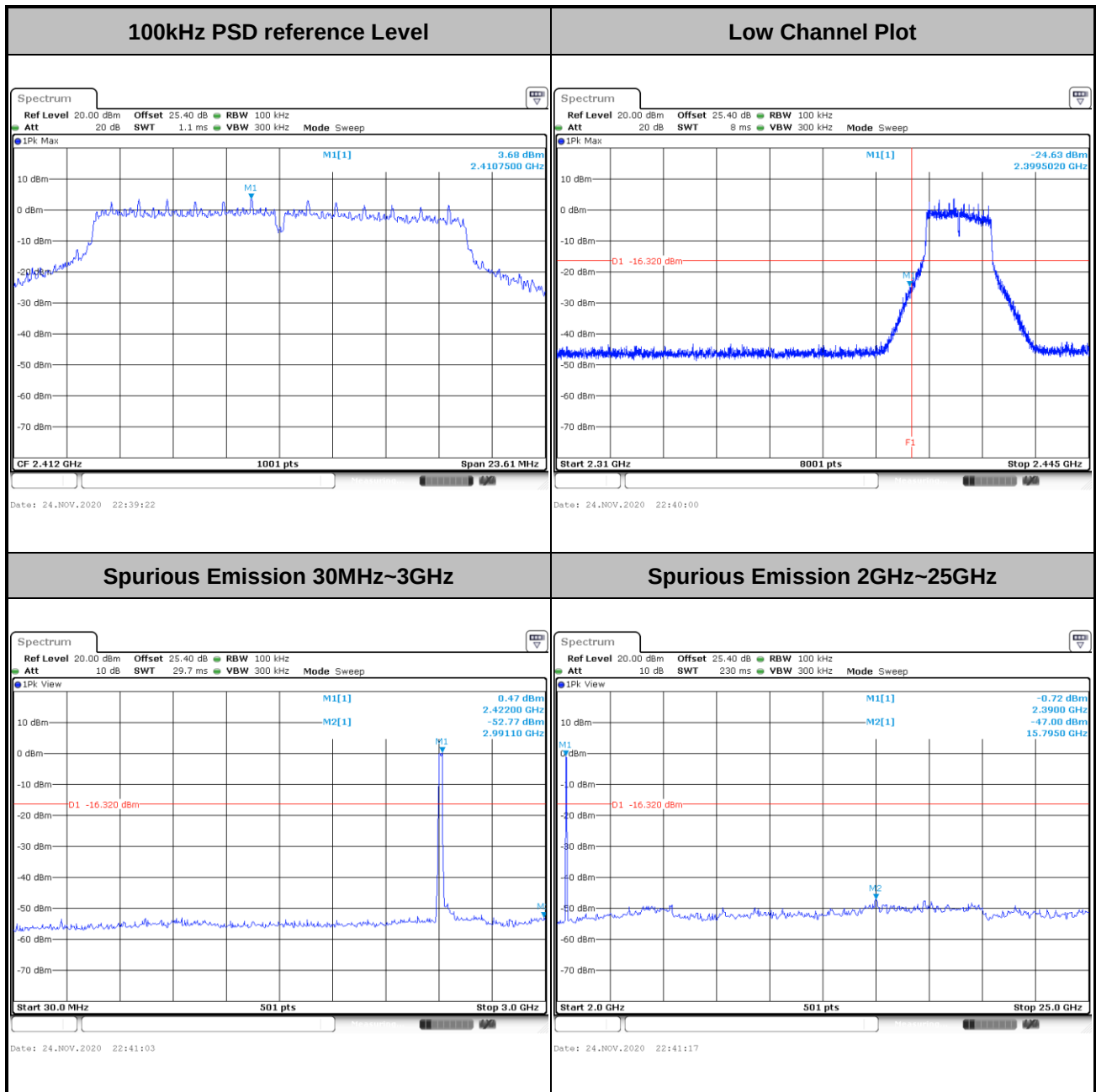


Test Mode :	802.11b	Test Channel :	11
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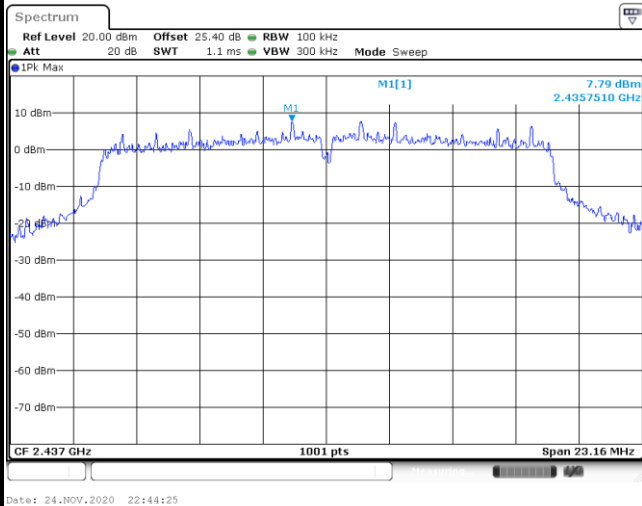
Test Mode :	802.11g	Test Channel :	01
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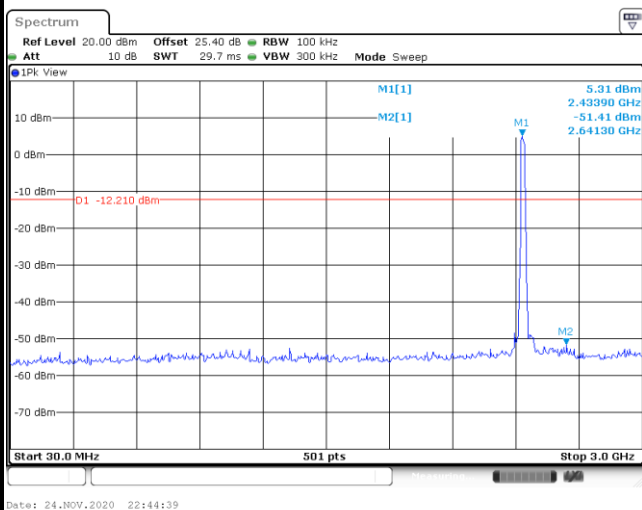
Test Mode :	802.11g	Test Channel :	06
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100kHz PSD reference Level

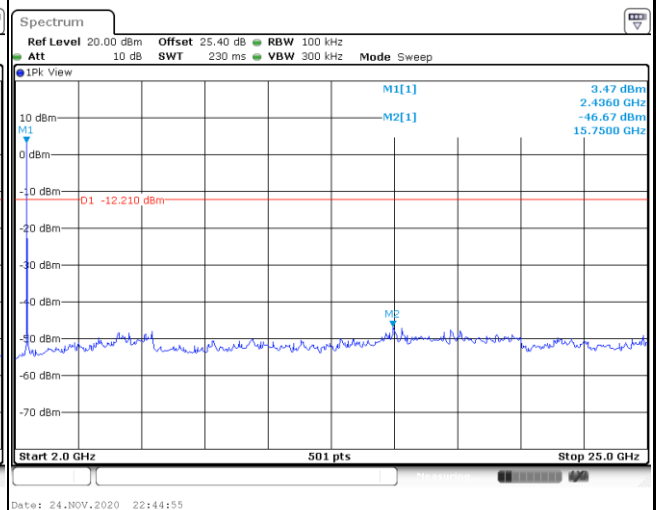


Mid Channel Plot

Spurious Emission 30MHz~3GHz

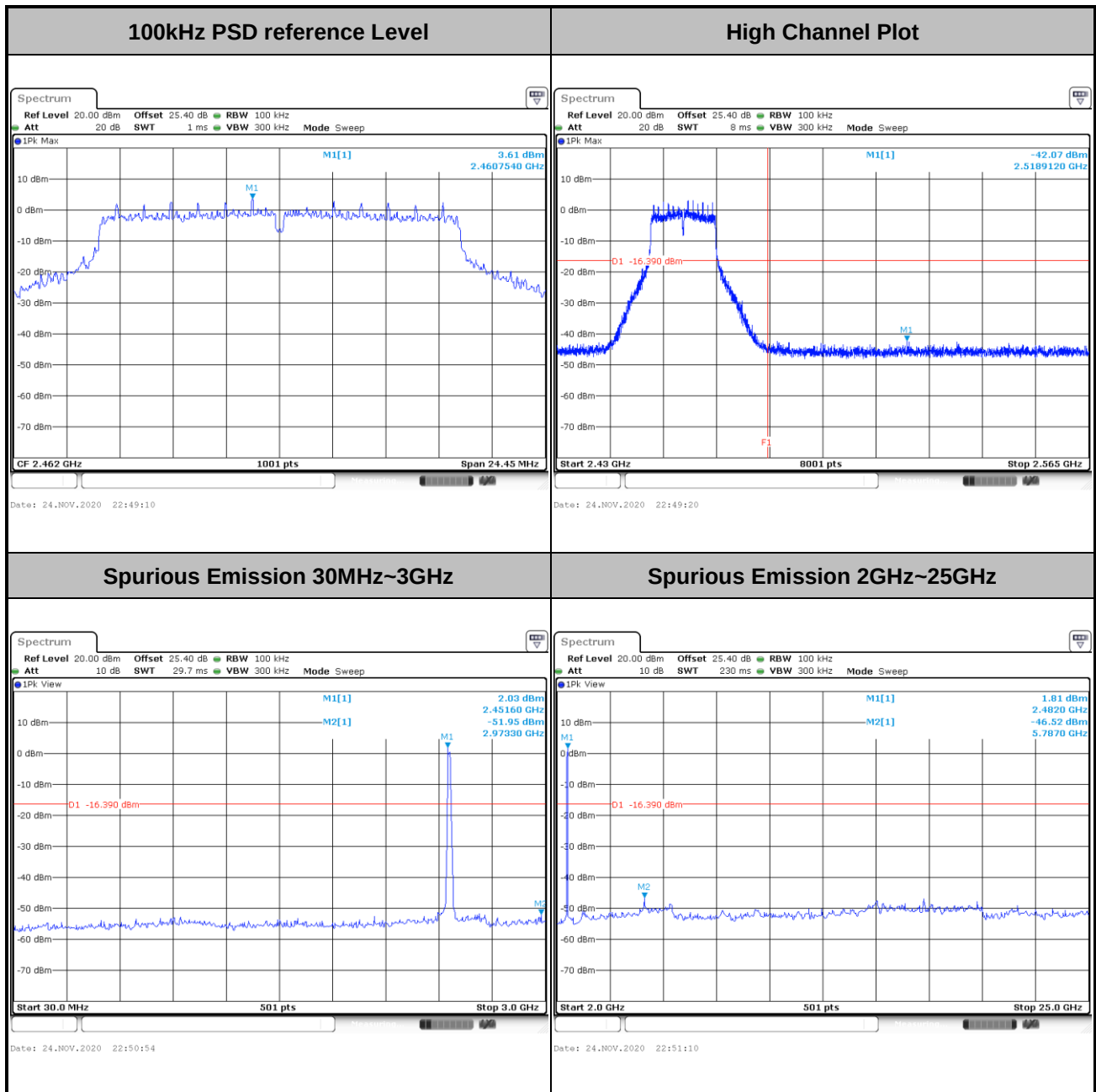


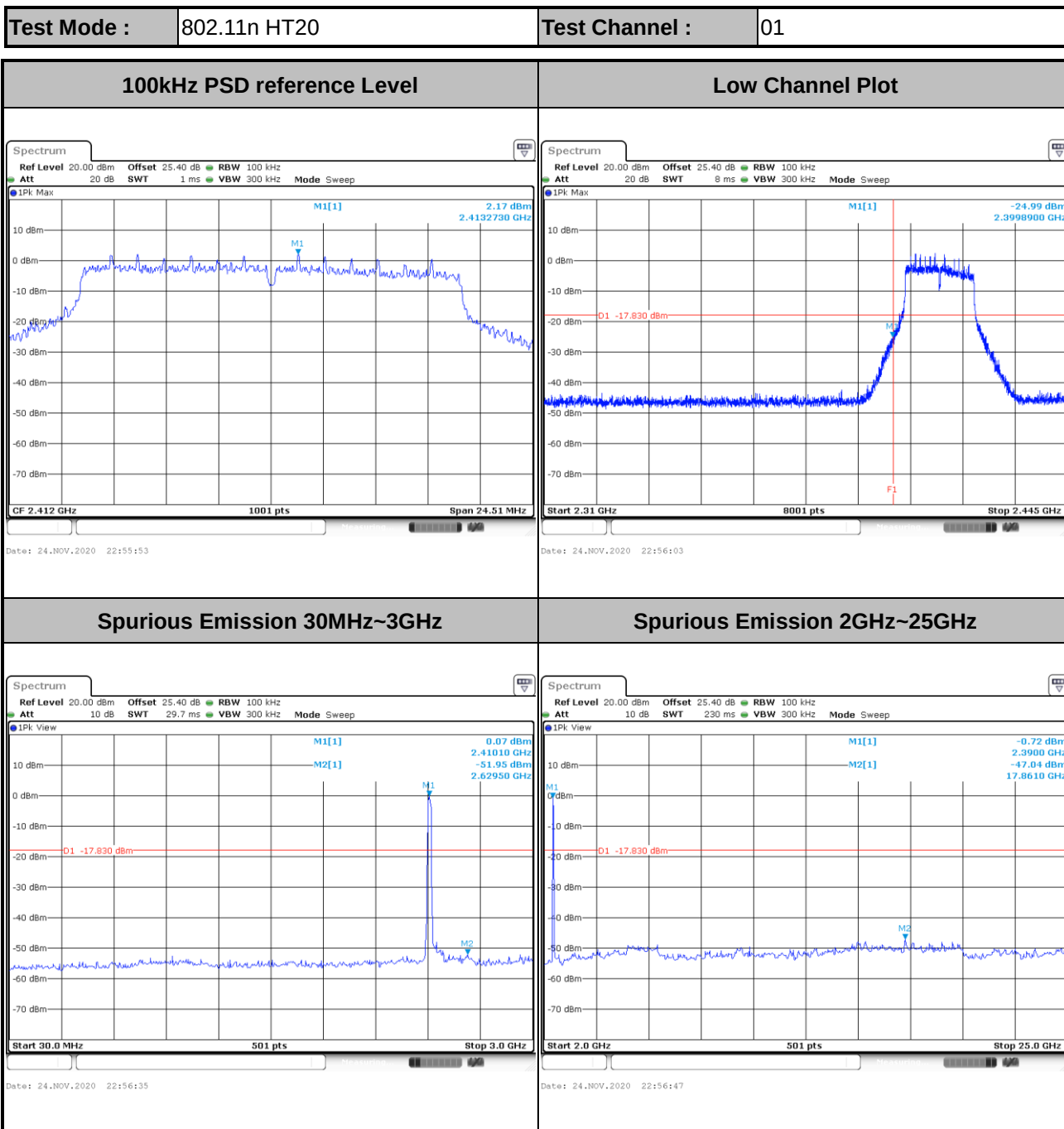
Spurious Emission 2GHz~25GHz

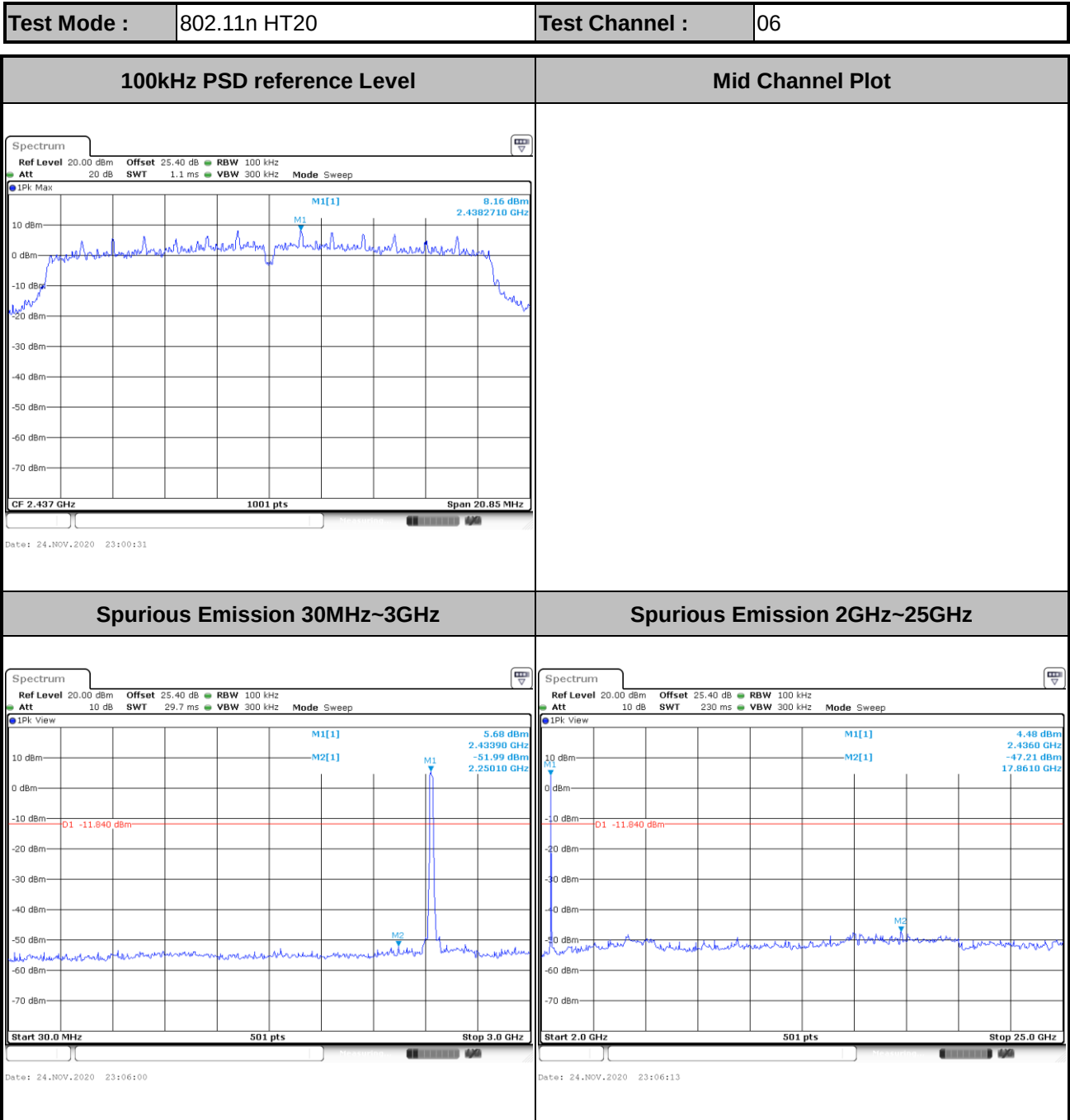




Test Mode :	802.11g	Test Channel :	11
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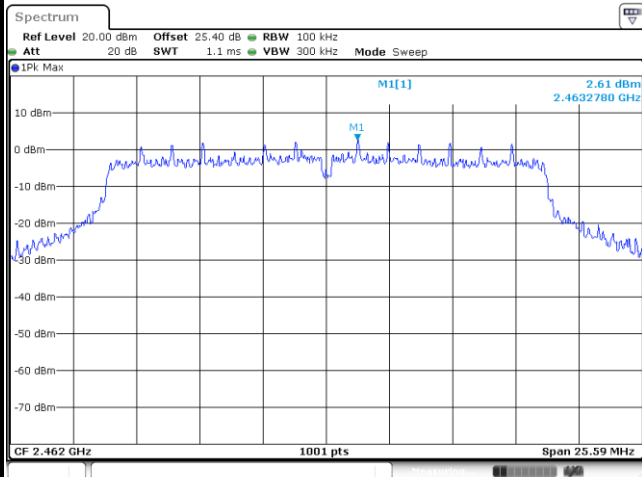




Test Mode : 802.11n HT20

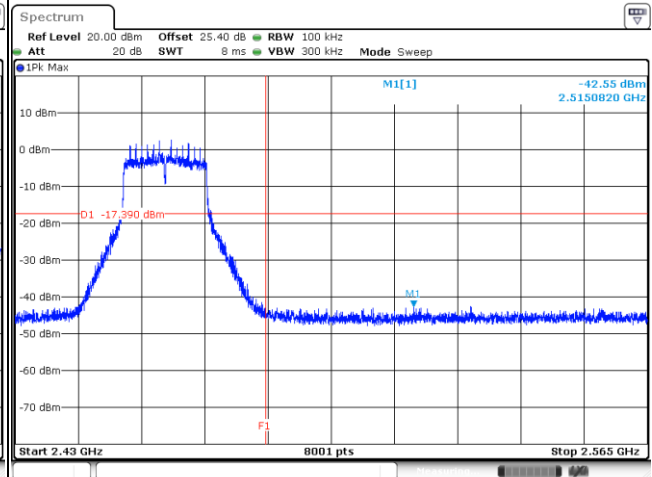
Test Channel : 11

100kHz PSD reference Level



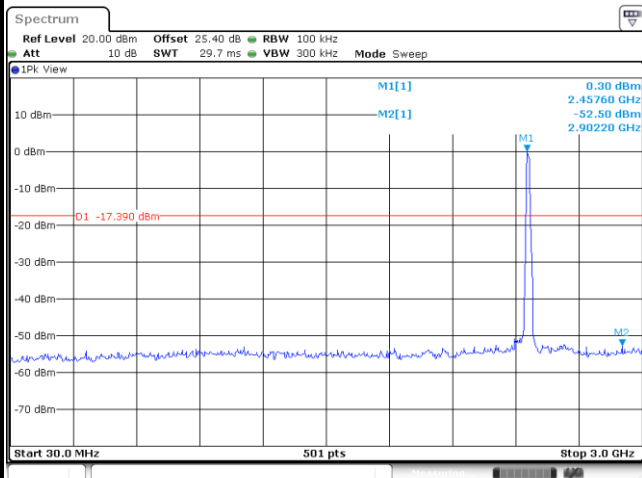
Date: 24.NOV.2020 23:11:48

High Channel Plot



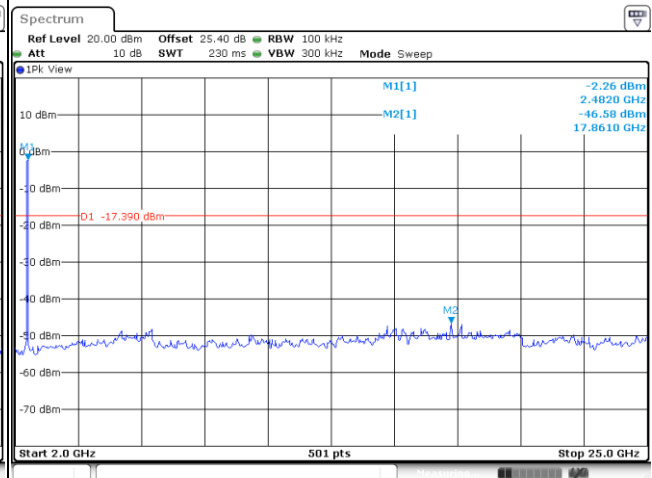
Date: 24.NOV.2020 23:11:58

Spurious Emission 30MHz~3GHz



Date: 24.NOV.2020 23:13:56

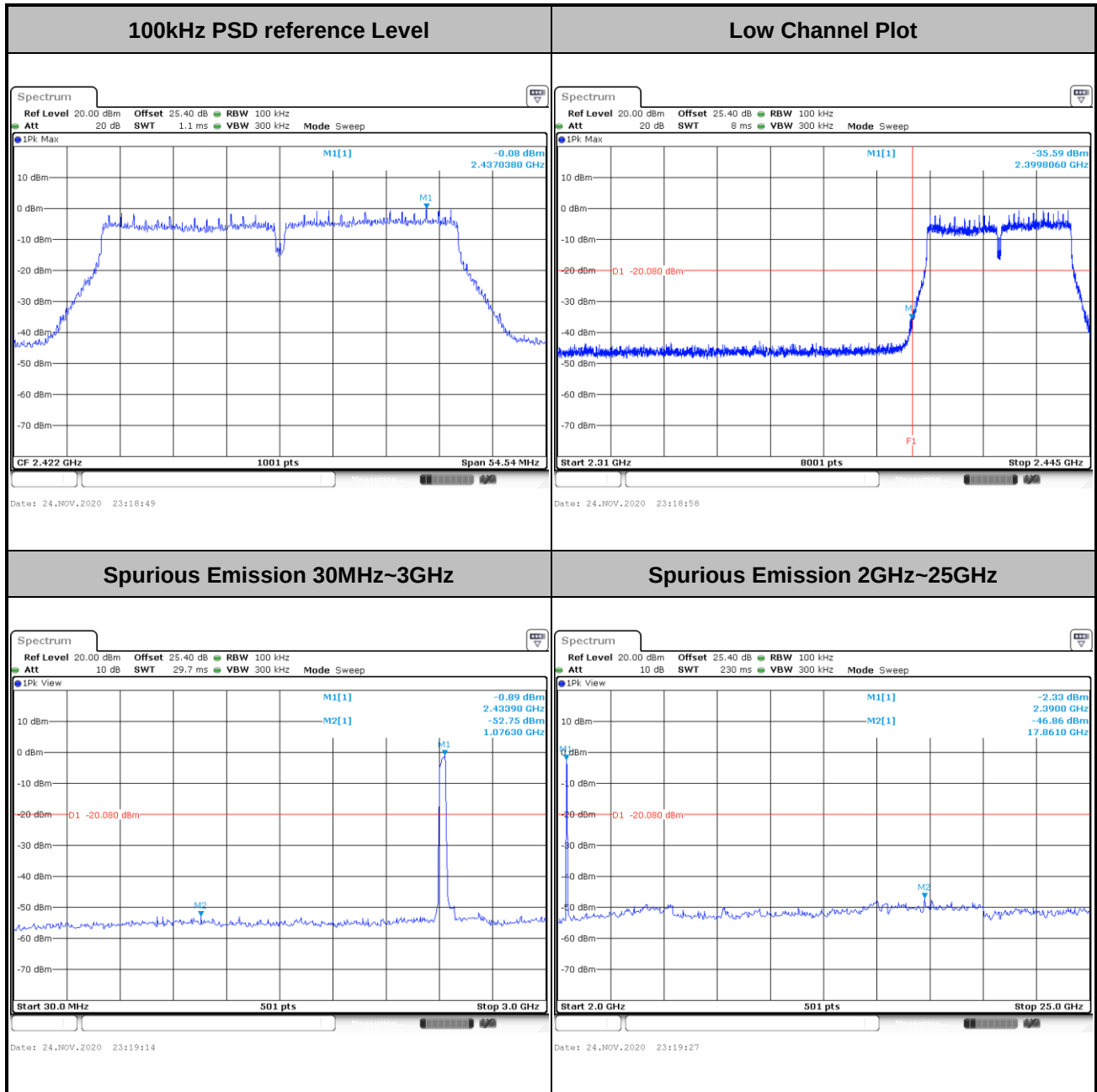
Spurious Emission 2GHz~25GHz



Date: 24.NOV.2020 23:14:46

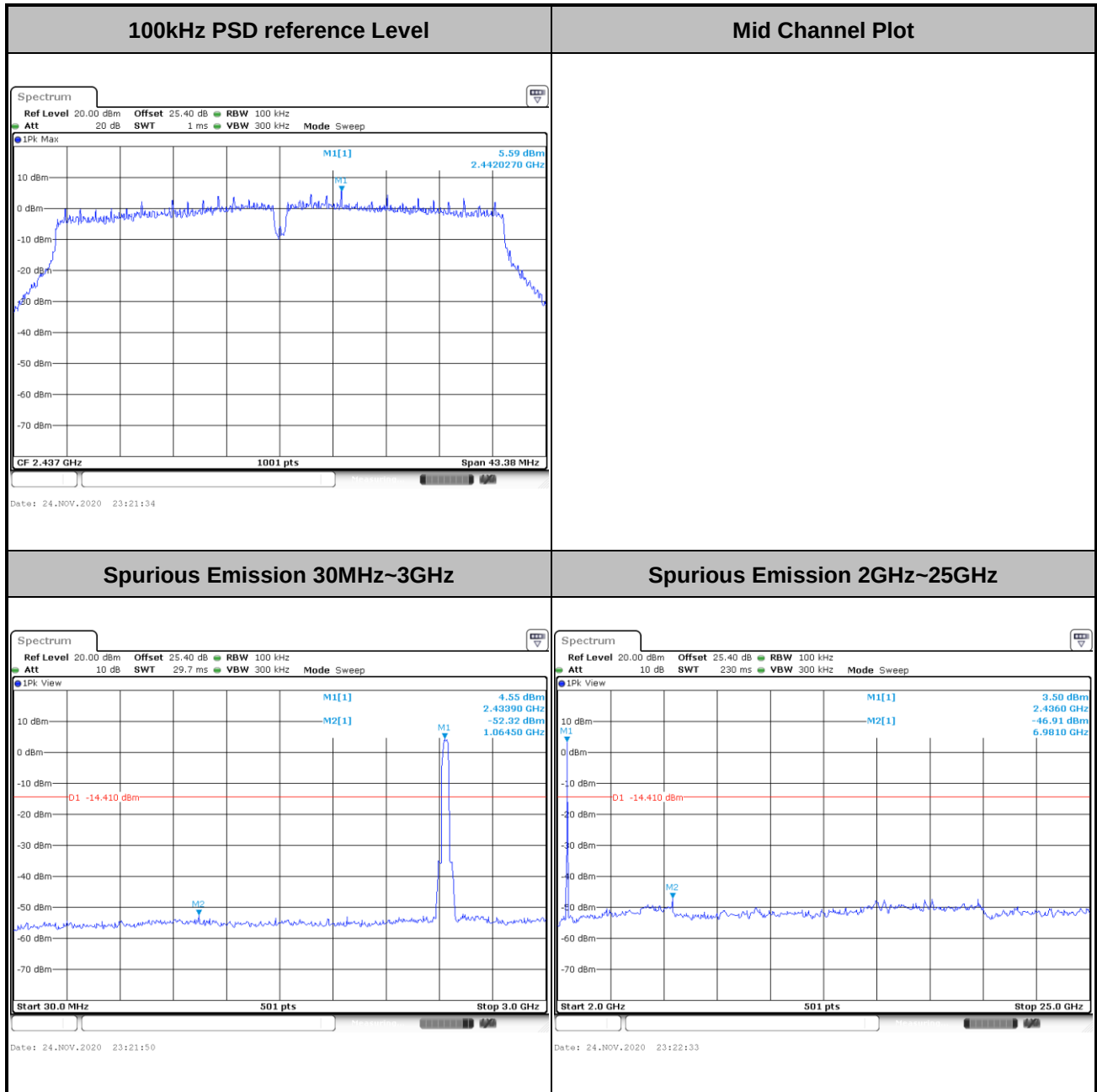


Test Mode :	802.11n HT40	Test Channel :	03
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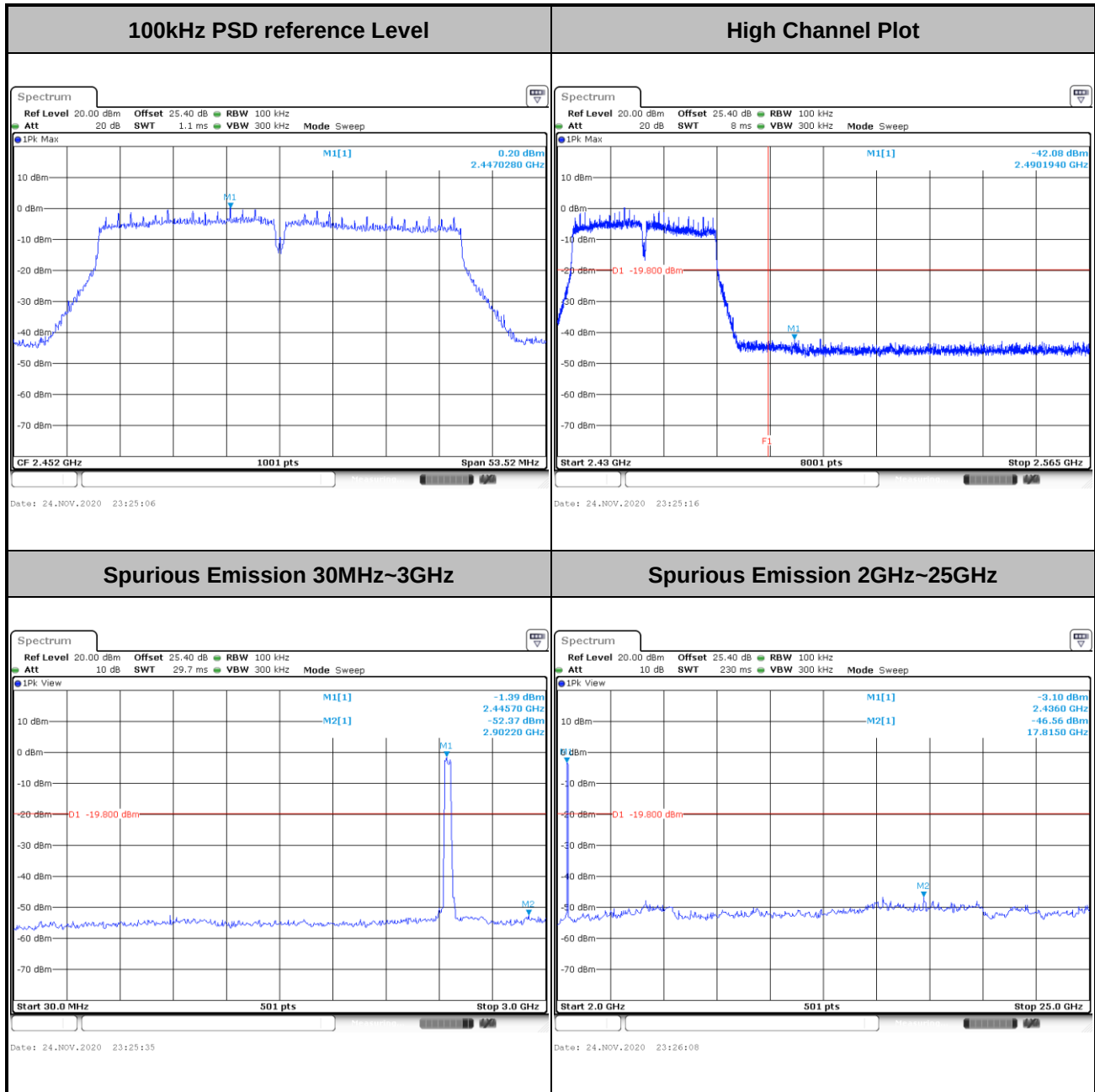


Test Mode :	802.11n HT40	Test Channel :	06
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Test Mode :	802.11n HT40	Test Channel :	09
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3.5 Radiated Band Edges and Spurious Emission Measurement

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 must also comply with the limits as below.

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

3.5.2 Measuring Instruments

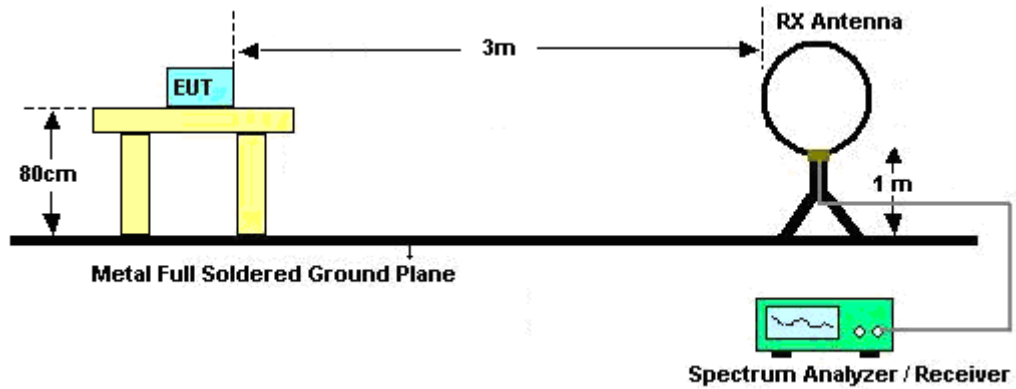
See list of measuring equipment of this test report.

3.5.3 Test Procedures

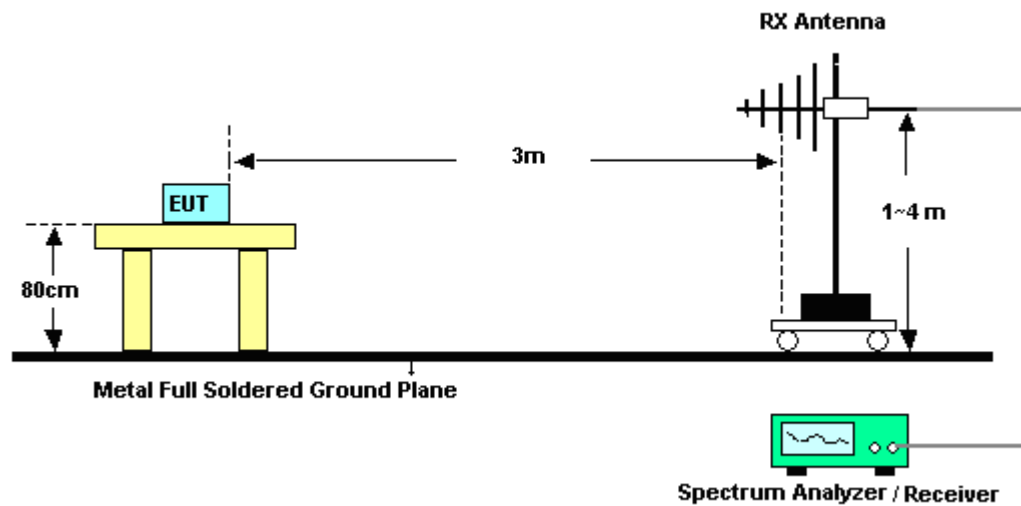
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving 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. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
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= 3MHz 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

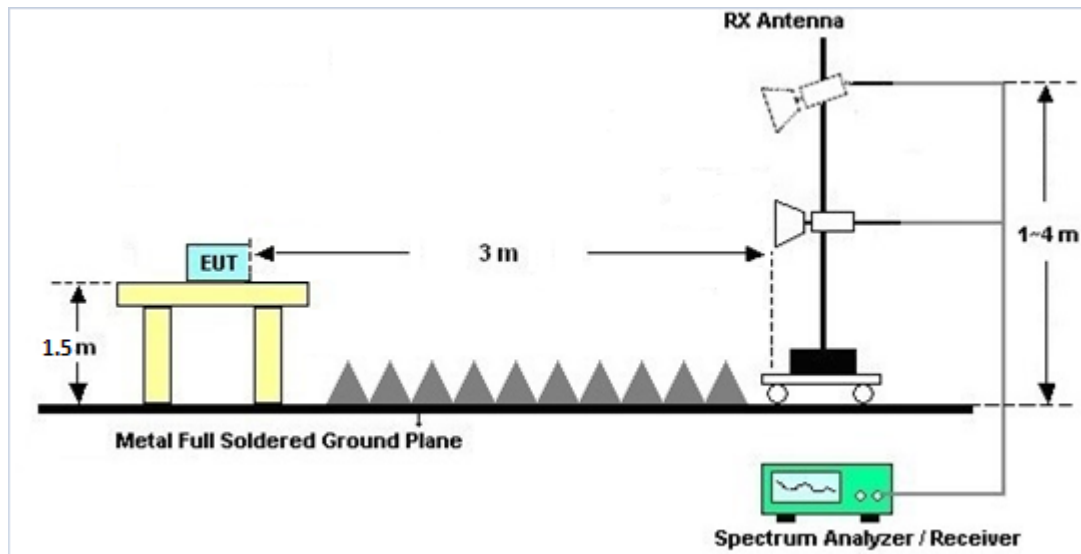
For radiated emissions below 30MHz



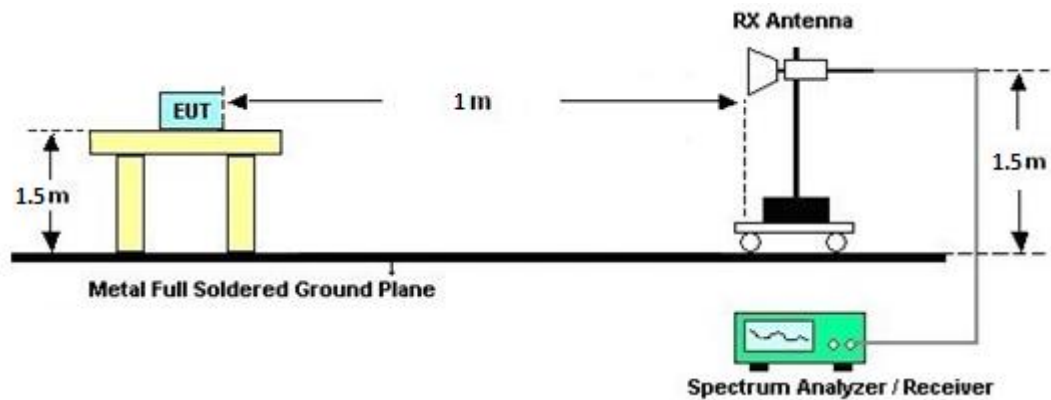
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



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

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

There is a comparison data 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.

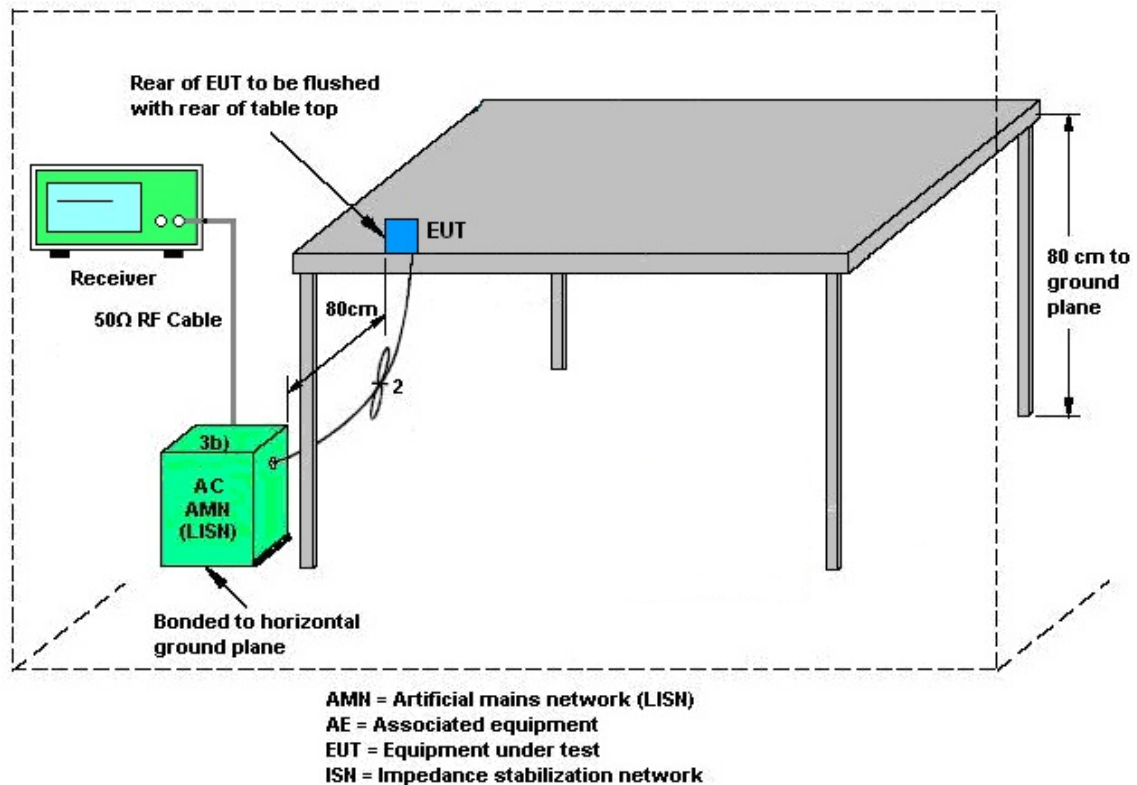
3.6.2 Measuring Instruments

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 should 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 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. 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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Nov. 05. 2020~ Dec. 01. 2020	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N- 06	41912 & 05	30MHz to 1GHz	Feb. 09, 2020	Nov. 05. 2020~ Dec. 01. 2020	Feb. 08, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	BBHA9170 584	18GHz~40GHz	Dec. 10, 2019	Nov. 05. 2020~ Dec. 01. 2020	Dec. 09, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30. 2020	Nov. 05. 2020~ Dec. 01. 2020	Sep. 29. 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 29, 2020	Nov. 05. 2020~ Dec. 01. 2020	Sep. 28, 2021	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-30 3	171000180 0054001	1GHz~18GHz	Sep. 04, 2020	Nov. 05. 2020~ Dec. 01. 2020	Sep. 03, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	Nov. 05. 2020~ Dec. 01. 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 11, 2019	Nov. 05. 2020~ Dec. 01. 2020	Dec.10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY572901 11	3Hz~26.5GHz	Dec. 05, 2019	Nov. 05. 2020~ Dec. 01. 2020	Dec. 04, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 29, 2020	Nov. 05. 2020~ Dec. 01. 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 29, 2020	Nov. 05. 2020~ Dec. 01. 2020	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 29, 2020	Nov. 05. 2020~ Dec. 01. 2020	Aug. 28, 2021	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP200881	QA-3-031	Oct. 22, 2020	Nov. 05. 2020~ Dec. 01. 2020	Oct. 21, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Nov. 05. 2020~ Dec. 01. 2020	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 05. 2020~ Dec. 01. 2020	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 05. 2020~ Dec. 01. 2020	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 05. 2020~ Dec. 01. 2020	N/A	Radiation (03CH16-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Oct. 06, 2020~ Dec. 29, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041S NO09	10MHz~6GHz	Jan. 22, 2020	Oct. 06, 2020~ Dec. 29, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Oct. 06, 2020~ Dec. 29, 2020	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Oct. 06, 2020~ Dec. 29, 2020	Mar. 16, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 24, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Nov. 24, 2020	Sep. 10, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Nov. 24, 2020	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 24, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Nov. 24, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Nov. 24, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 24, 2020	Mar. 01, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang/Hank Hsu	Temperature:	21~25	°C
Test Date:	2020/10/6~2020/12/29	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	1	1	2412	14.34	-	9.04	-	0.50	Pass
11b	1Mbps	1	6	2437	13.64	-	8.56	-	0.50	Pass
11b	1Mbps	1	11	2462	14.14	-	9.04	-	0.50	Pass
11g	6Mbps	1	1	2412	17.08	-	15.74	-	0.50	Pass
11g	6Mbps	1	6	2437	16.78	-	15.44	-	0.50	Pass
11g	6Mbps	1	11	2462	16.98	-	16.30	-	0.50	Pass
HT20	MCS0	1	1	2412	18.13	-	16.34	-	0.50	Pass
HT20	MCS0	1	6	2437	17.88	-	13.90	-	0.50	Pass
HT20	MCS0	1	11	2462	18.13	-	17.06	-	0.50	Pass
HT40	MCS0	1	3	2422	36.96	-	36.36	-	0.50	Pass
HT40	MCS0	1	6	2437	36.16	-	28.92	-	0.50	Pass
HT40	MCS0	1	9	2452	36.56	-	35.68	-	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	21.35	-		30.00	-	2.00	-	23.35	-	36.00	-	Pass
11b	1Mbps	1	6	2437	21.71	-		30.00	-	2.00	-	23.71	-	36.00	-	Pass
11b	1Mbps	1	11	2462	21.70	-		30.00	-	2.00	-	23.70	-	36.00	-	Pass
11g	6Mbps	1	1	2412	19.04	-		30.00	-	2.00	-	21.04	-	36.00	-	Pass
11g	6Mbps	1	2	2417	22.71	-		30.00	-	2.00	-	24.71	-	36.00	-	Pass
11g	6Mbps	1	6	2437	22.74	-		30.00	-	2.00	-	24.74	-	36.00	-	Pass
11g	6Mbps	1	10	2457	22.69	-		30.00	-	2.00	-	24.69	-	36.00	-	Pass
11g	6Mbps	1	11	2462	18.72	-		30.00	-	2.00	-	20.72	-	36.00	-	Pass
HT20	MCS0	1	1	2412	17.95	-		30.00	-	2.00	-	19.95	-	36.00	-	Pass
HT20	MCS0	1	2	2417	22.70	-		30.00	-	2.00	-	24.70	-	36.00	-	Pass
HT20	MCS0	1	6	2437	22.77	-		30.00	-	2.00	-	24.77	-	36.00	-	Pass
HT20	MCS0	1	10	2457	22.71	-		30.00	-	2.00	-	24.71	-	36.00	-	Pass
HT20	MCS0	1	11	2462	17.52	-		30.00	-	2.00	-	19.52	-	36.00	-	Pass
HT40	MCS0	1	3	2422	20.01	-		30.00	-	2.00	-	22.01	-	36.00	-	Pass
HT40	MCS0	1	4	2427	23.78	-		30.00	-	2.00	-	25.78	-	36.00	-	Pass
HT40	MCS0	1	6	2437	23.71	-		30.00	-	2.00	-	25.71	-	36.00	-	Pass
HT40	MCS0	1	8	2447	23.80	-		30.00	-	2.00	-	25.80	-	36.00	-	Pass
HT40	MCS0	1	9	2452	19.79	-		30.00	-	2.00	-	21.79	-	36.00	-	Pass
VHT20	MCS0	1	1	2412	17.90	-		30.00	-	2.00	-	19.90	-	36.00	-	Pass
VHT20	MCS0	1	2	2417	22.20	-		30.00	-	2.00	-	24.20	-	36.00	-	Pass
VHT20	MCS0	1	6	2437	22.56	-		30.00	-	2.00	-	24.56	-	36.00	-	Pass
VHT20	MCS0	1	10	2457	22.23	-		30.00	-	2.00	-	24.23	-	36.00	-	Pass
VHT20	MCS0	1	11	2462	17.40	-		30.00	-	2.00	-	19.40	-	36.00	-	Pass
VHT40	MCS0	1	3	2422	19.95	-		30.00	-	2.00	-	21.95	-	36.00	-	Pass
VHT40	MCS0	1	4	2427	23.76	-		30.00	-	2.00	-	25.76	-	36.00	-	Pass
VHT40	MCS0	1	6	2437	23.48	-		30.00	-	2.00	-	25.48	-	36.00	-	Pass
VHT40	MCS0	1	8	2447	23.60	-		30.00	-	2.00	-	25.60	-	36.00	-	Pass
VHT40	MCS0	1	9	2452	19.50	-		30.00	-	2.00	-	21.50	-	36.00	-	Pass

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	19.10	-		30.00	-	2.00	-	21.10	-	36.00	-	Pass
11b	1Mbps	1	6	2437	19.30	-		30.00	-	2.00	-	21.30	-	36.00	-	Pass
11b	1Mbps	1	11	2462	19.30	-		30.00	-	2.00	-	21.30	-	36.00	-	Pass
11g	6Mbps	1	1	2412	14.40	-		30.00	-	2.00	-	16.40	-	36.00	-	Pass
11g	6Mbps	1	2	2417	18.00	-		30.00	-	2.00	-	20.00	-	36.00	-	Pass
11g	6Mbps	1	6	2437	18.20	-		30.00	-	2.00	-	20.20	-	36.00	-	Pass
11g	6Mbps	1	10	2457	18.10	-		30.00	-	2.00	-	20.10	-	36.00	-	Pass
11g	6Mbps	1	11	2462	14.40	-		30.00	-	2.00	-	16.40	-	36.00	-	Pass
HT20	MCS0	1	1	2412	13.20	-		30.00	-	2.00	-	15.20	-	36.00	-	Pass
HT20	MCS0	1	2	2417	18.20	-		30.00	-	2.00	-	20.20	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.10	-		30.00	-	2.00	-	20.10	-	36.00	-	Pass
HT20	MCS0	1	10	2457	18.10	-		30.00	-	2.00	-	20.10	-	36.00	-	Pass
HT20	MCS0	1	11	2462	13.10	-		30.00	-	2.00	-	15.10	-	36.00	-	Pass
HT40	MCS0	1	3	2422	13.40	-		30.00	-	2.00	-	15.40	-	36.00	-	Pass
HT40	MCS0	1	4	2427	18.30	-		30.00	-	2.00	-	20.30	-	36.00	-	Pass
HT40	MCS0	1	6	2437	18.40	-		30.00	-	2.00	-	20.40	-	36.00	-	Pass
HT40	MCS0	1	8	2447	18.20	-		30.00	-	2.00	-	20.20	-	36.00	-	Pass
HT40	MCS0	1	9	2452	13.40	-		30.00	-	2.00	-	15.40	-	36.00	-	Pass
VHT20	MCS0	1	1	2412	13.10	-		30.00	-	2.00	-	15.10	-	36.00	-	Pass
VHT20	MCS0	1	2	2417	18.10	-		30.00	-	2.00	-	20.10	-	36.00	-	Pass
VHT20	MCS0	1	6	2437	18.00	-		30.00	-	2.00	-	20.00	-	36.00	-	Pass
VHT20	MCS0	1	10	2457	17.90	-		30.00	-	2.00	-	19.90	-	36.00	-	Pass
VHT20	MCS0	1	11	2462	13.00	-		30.00	-	2.00	-	15.00	-	36.00	-	Pass
VHT40	MCS0	1	3	2422	13.30	-		30.00	-	2.00	-	15.30	-	36.00	-	Pass
VHT40	MCS0	1	4	2427	18.20	-		30.00	-	2.00	-	20.20	-	36.00	-	Pass
VHT40	MCS0	1	6	2437	18.30	-		30.00	-	2.00	-	20.30	-	36.00	-	Pass
VHT40	MCS0	1	8	2447	18.10	-		30.00	-	2.00	-	20.10	-	36.00	-	Pass
VHT40	MCS0	1	9	2452	13.20	-		30.00	-	2.00	-	15.20	-	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	-3.40	-		2.00	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-2.97	-		2.00	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-3.00	-		2.00	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-9.52	-		2.00	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-7.12	-		2.00	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-11.80	-		2.00	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-12.68	-		2.00	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-7.50	-		2.00	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-11.99	-		2.00	-	8.00	-	Pass
HT40	MCS0	1	3	2422	-13.90	-		2.00	-	8.00	-	Pass
HT40	MCS0	1	6	2437	-10.08	-		2.00	-	8.00	-	Pass
HT40	MCS0	1	9	2452	-14.77	-		2.00	-	8.00	-	Pass

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



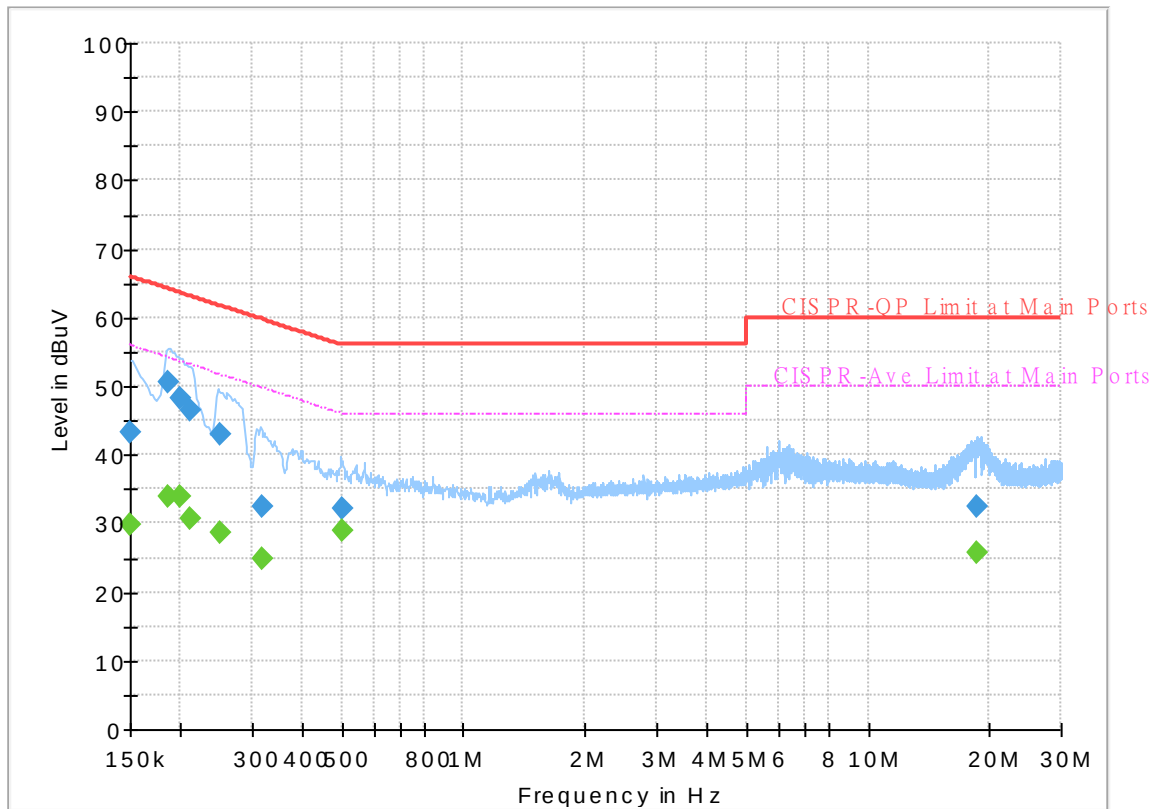
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO : 091742
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



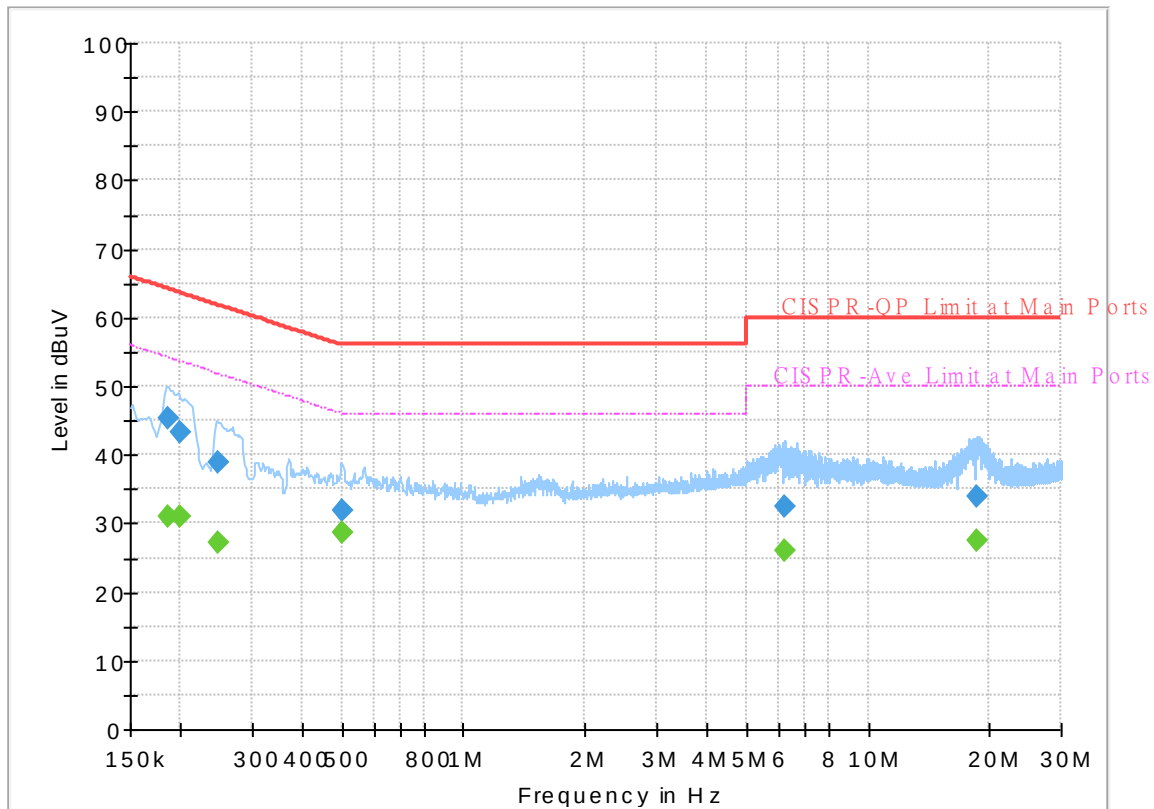
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	29.79	56.00	26.21	L1	OFF	19.6
0.150000	43.25	---	66.00	22.75	L1	OFF	19.6
0.186360	---	33.94	54.20	20.26	L1	OFF	19.6
0.186360	50.63	---	64.20	13.57	L1	OFF	19.6
0.199500	---	33.86	53.63	19.77	L1	OFF	19.6
0.199500	48.18	---	63.63	15.45	L1	OFF	19.6
0.210750	---	30.62	53.18	22.56	L1	OFF	19.5
0.210750	46.38	---	63.18	16.80	L1	OFF	19.5
0.249810	---	28.71	51.76	23.05	L1	OFF	19.5
0.249810	42.90	---	61.76	18.86	L1	OFF	19.5
0.317850	---	24.80	49.76	24.96	L1	OFF	19.5
0.317850	32.54	---	59.76	27.22	L1	OFF	19.5
0.500640	---	28.90	46.00	17.10	L1	OFF	19.5
0.500640	32.27	---	56.00	23.73	L1	OFF	19.5
18.573630	---	25.62	50.00	24.38	L1	OFF	20.2
18.573630	32.45	---	60.00	27.55	L1	OFF	20.2

EUT Information

Report NO : 091742
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)
0.186450	---	31.11	54.19	23.08	N	OFF	19.6
0.186450	45.31	---	64.19	18.88	N	OFF	19.6
0.199500	---	30.87	53.63	22.76	N	OFF	19.6
0.199500	43.39	---	63.63	20.24	N	OFF	19.6
0.249000	---	27.20	51.79	24.59	N	OFF	19.6
0.249000	39.02	---	61.79	22.77	N	OFF	19.6
0.503250	---	28.65	46.00	17.35	N	OFF	19.6
0.503250	31.76	---	56.00	24.24	N	OFF	19.6
6.258840	---	26.11	50.00	23.89	N	OFF	19.9
6.258840	32.35	---	60.00	27.65	N	OFF	19.9
18.568500	---	27.43	50.00	22.57	N	OFF	20.3
18.568500	34.04	---	60.00	25.96	N	OFF	20.3



Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2354.625	57.98	-16.02	74	41.56	27.77	18.42	29.77	268	310	P	H
		2386.65	45.22	-8.78	54	28.94	27.58	18.48	29.78	268	310	A	H
	*	2412	105.22	-	-	89.01	27.48	18.52	29.79	268	310	P	H
	*	2412	102.09	-	-	85.88	27.48	18.52	29.79	268	310	A	H
													H
		2326.485	57.16	-16.84	74	40.71	27.85	18.36	29.76	395	3	P	V
		2312.205	45.08	-8.92	54	28.61	27.88	18.34	29.75	395	3	A	V
	*	2412	101.27	-	-	85.06	27.48	18.52	29.79	395	3	P	V
	*	2412	98.09	-	-	81.88	27.48	18.52	29.79	395	3	A	V
													V
802.11b CH 06 2437MHz		2386.44	56.88	-17.12	74	40.61	27.58	18.47	29.78	263	307	P	H
		2352.42	45.08	-8.92	54	28.65	27.79	18.41	29.77	263	307	A	H
	*	2437	104.68	-	-	88.48	27.43	18.57	29.8	263	307	P	H
	*	2437	101.5	-	-	85.3	27.43	18.57	29.8	263	307	A	H
		2499.79	57.28	-16.72	74	41.02	27.4	18.69	29.83	263	307	P	H
		2484.11	45.29	-8.71	54	29.05	27.4	18.66	29.82	263	307	A	H
		2355.78	57.52	-16.48	74	41.1	27.77	18.42	29.77	345	355	P	V
		2352.14	45.08	-8.92	54	28.65	27.79	18.41	29.77	345	355	A	V
	*	2437	100.43	-	-	84.23	27.43	18.57	29.8	345	355	P	V
	*	2437	97.19	-	-	80.99	27.43	18.57	29.8	345	355	A	V
		2486.42	57.21	-16.79	74	40.96	27.4	18.67	29.82	345	355	P	V
		2494.89	45.19	-8.81	54	28.93	27.4	18.69	29.83	345	355	A	V



802.11b CH 11 2462MHz	*	2462	105.21	-	-	89	27.4	18.62	29.81	291	312	P	H
	*	2462	101.87	-	-	85.66	27.4	18.62	29.81	291	312	A	H
		2484.96	57.68	-16.32	74	41.43	27.4	18.67	29.82	291	312	P	H
		2487.68	45.79	-8.21	54	29.54	27.4	18.67	29.82	291	312	A	H
													H
													H
	*	2462	100.25	-	-	84.04	27.4	18.62	29.81	338	357	P	V
	*	2462	97.02	-	-	80.81	27.4	18.62	29.81	338	357	A	V
		2488.4	56.96	-17.04	74	40.72	27.4	18.67	29.83	338	357	P	V
		2487.56	45.39	-8.61	54	29.14	27.4	18.67	29.82	338	357	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 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)
802.11b CH 01 2412MHz		4824	38.75	-35.25	74	53.73	31.15	13.36	59.49	100	0	P	H
		18000	61.84	-12.16	74	43.56	49.3	25.68	56.7	100	0	P	H
		18000	48.56	-5.44	54	30.28	49.3	25.68	56.7	100	0	A	H
													H
		4824	39.1	-34.9	74	54.08	31.15	13.36	59.49	100	0	P	V
		18000	61.5	-12.5	74	43.22	49.3	25.68	56.7	100	0	P	V
		18000	48.41	-5.59	54	30.13	49.3	25.68	56.7	100	0	A	V
													V
802.11b CH 06 2437MHz		4874	43.07	-30.93	74	58.08	31.15	13.36	59.52	100	0	P	H
		7311	43.74	-30.26	74	50.52	36.42	16.16	59.36	100	0	P	H
		17985	61.34	-12.66	74	43.44	48.99	25.67	56.76	400	0	P	H
		17985	48.18	-5.82	54	30.28	48.99	25.67	56.76	400	0	A	H
		4874	44.41	-29.59	74	59.42	31.15	13.36	59.52	100	0	P	V
		7311	43.71	-30.29	74	50.49	36.42	16.16	59.36	100	0	P	V
		18000	61.56	-12.44	74	43.28	49.3	25.68	56.7	100	0	P	V
		18000	48.45	-5.55	54	30.17	49.3	25.68	56.7	100	0	A	V
802.11b CH 11 2462MHz		4924	46.03	-27.97	74	61.02	31.2	13.36	59.55	100	0	P	H
		7386	44.65	-29.35	74	51.12	36.43	16.36	59.26	100	0	P	H
		17940	60.42	-13.58	74	43.66	48.04	25.66	56.94	100	0	P	H
		17940	47.09	-6.91	54	30.33	48.04	25.66	56.94	100	0	A	H
		4924	47.48	-26.52	74	62.47	31.2	13.36	59.55	100	0	P	V
		7386	45.04	-28.96	74	51.51	36.43	16.36	59.26	100	0	P	V
		17970	60.91	-13.09	74	43.39	48.67	25.67	56.82	100	0	P	V
		17970	47.75	-6.25	54	30.23	48.67	25.67	56.82	100	0	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 802.11g (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)
802.11g CH 01 2412MHz		2365.65	57.88	-16.12	74	41.5	27.71	18.44	29.77	308	320	P	H
		2389.17	44.67	-9.33	54	28.41	27.56	18.48	29.78	308	320	A	H
	*	2412	102.72	-	-	86.51	27.48	18.52	29.79	308	320	P	H
	*	2412	94.56	-	-	78.35	27.48	18.52	29.79	308	320	A	H
													H
													H
		2346.645	57.17	-16.83	74	40.73	27.81	18.4	29.77	113	248	P	V
		2350.95	44.49	-9.51	54	28.06	27.79	18.41	29.77	113	248	A	V
	*	2412	97.95	-	-	81.74	27.48	18.52	29.79	113	248	P	V
	*	2412	89.87	-	-	73.66	27.48	18.52	29.79	113	248	A	V
													V
													V
802.11g CH 02 2417MHz		2348.36	57.24	-16.76	74	40.81	27.8	18.4	29.77	306	301	P	H
		2389.38	44.96	-9.04	54	28.7	27.56	18.48	29.78	306	301	A	H
	*	2417	104.44	-	-	88.24	27.47	18.53	29.8	306	301	P	H
	*	2417	96.56	-	-	80.36	27.47	18.53	29.8	306	301	A	H
													H
													H
		2365.72	57.47	-16.53	74	41.09	27.71	18.44	29.77	400	22	P	V
		2353.26	44.73	-9.27	54	28.31	27.78	18.41	29.77	400	22	A	V
	*	2417	100.74	-	-	84.54	27.47	18.53	29.8	400	22	P	V
	*	2417	93.15	-	-	76.95	27.47	18.53	29.8	400	22	A	V
													V
													V



802.11g CH 06 2437MHz		2363.34	56.87	-17.13	74	40.49	27.72	18.43	29.77	265	317	P	H
		2387.98	45.08	-8.92	54	28.81	27.57	18.48	29.78	265	317	A	H
	*	2437	105.21	-	-	89.01	27.43	18.57	29.8	265	317	P	H
	*	2437	97.39	-	-	81.19	27.43	18.57	29.8	265	317	A	H
		2485.3	58.32	-15.68	74	42.07	27.4	18.67	29.82	265	317	P	H
		2483.97	45.34	-8.66	54	29.1	27.4	18.66	29.82	265	317	A	H
		2373.7	56.9	-17.1	74	40.57	27.66	18.45	29.78	342	346	P	V
		2358.86	45.07	-8.93	54	28.67	27.75	18.42	29.77	342	346	A	V
	*	2437	101.19	-	-	84.99	27.43	18.57	29.8	342	346	P	V
	*	2437	93.66	-	-	77.46	27.43	18.57	29.8	342	346	A	V
		2490.2	57.82	-16.18	74	41.57	27.4	18.68	29.83	342	346	P	V
		2485.44	45.18	-8.82	54	28.93	27.4	18.67	29.82	342	346	A	V
802.11g CH 10 2457MHz	*	2457	103.75	-	-	87.55	27.4	18.61	29.81	291	301	P	H
	*	2457	96.1	-	-	79.9	27.4	18.61	29.81	291	301	A	H
		2486.56	59.16	-14.84	74	42.91	27.4	18.67	29.82	291	301	P	H
		2483.5	45.26	-8.74	54	29.02	27.4	18.66	29.82	291	301	A	H
													H
													H
	*	2457	100.06	-	-	83.86	27.4	18.61	29.81	344	19	P	V
	*	2457	92.63	-	-	76.43	27.4	18.61	29.81	344	19	A	V
		2485	57.87	-16.13	74	41.62	27.4	18.67	29.82	344	19	P	V
		2483.62	44.92	-9.08	54	28.68	27.4	18.66	29.82	344	19	A	V
													V
													V



802.11g CH 11 2462MHz	*	2462	100.97	-	-	84.76	27.4	18.62	29.81	288	316	P	H
	*	2462	93.08	-	-	76.87	27.4	18.62	29.81	288	316	A	H
		2485.56	59.55	-14.45	74	43.3	27.4	18.67	29.82	288	316	P	H
		2483.52	45.71	-8.29	54	29.47	27.4	18.66	29.82	288	316	A	H
													H
													H
	*	2462	95.86	-	-	79.65	27.4	18.62	29.81	341	359	P	V
	*	2462	88.18	-	-	71.97	27.4	18.62	29.81	341	359	A	V
		2485.52	57.65	-16.35	74	41.4	27.4	18.67	29.82	341	359	P	V
		2483.64	45.24	-8.76	54	29	27.4	18.66	29.82	341	359	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 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)
802.11g CH 01 2412MHz		4824	38.77	-35.23	74	53.75	31.15	13.36	59.49	100	0	P	H
		17985	61.47	-12.53	74	43.57	48.99	25.67	56.76	100	0	P	H
		17985	48.09	-5.91	54	30.19	48.99	25.67	56.76	100	0	A	H
													H
		4824	38.35	-35.65	74	53.33	31.15	13.36	59.49	100	0	P	V
		18000	61.61	-12.39	74	43.33	49.3	25.68	56.7	100	0	P	V
		18000	48.7	-5.3	54	30.42	49.3	25.68	56.7	100	0	A	V
													V
802.11g CH 06 2437MHz		4874	41.11	-32.89	74	56.12	31.15	13.36	59.52	100	0	P	H
		7311	43.83	-30.17	74	50.61	36.42	16.16	59.36	100	0	P	H
		17970	61.24	-12.76	74	43.72	48.67	25.67	56.82	100	0	P	H
		17970	48.07	-5.93	54	30.55	48.67	25.67	56.82	100	0	A	H
		4874	42.77	-31.23	74	57.78	31.15	13.36	59.52	100	0	P	V
		7311	44.29	-29.71	74	51.07	36.42	16.16	59.36	100	0	P	V
		18000	62.09	-11.91	74	43.81	49.3	25.68	56.7	100	0	P	V
		18000	48.68	-5.32	54	30.4	49.3	25.68	56.7	100	0	A	V
802.11g CH 11 2462MHz		4924	40.68	-33.32	74	55.67	31.2	13.36	59.55	100	0	P	H
		7386	43.63	-30.37	74	50.1	36.43	16.36	59.26	100	0	P	H
		17955	60.75	-13.25	74	43.62	48.35	25.66	56.88	100	0	P	H
		17955	47.49	-6.51	54	30.36	48.35	25.66	56.88	100	0	A	H
		4924	39.97	-34.03	74	54.96	31.2	13.36	59.55	100	0	P	V
		7386	44.38	-29.62	74	50.85	36.43	16.36	59.26	100	0	P	V
		18000	61.98	-12.02	74	43.7	49.3	25.68	56.7	100	0	P	V
		18000	48.82	-5.18	54	30.54	49.3	25.68	56.7	100	0	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 HT20 (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 HT20 CH 01 2412MHz		2332.995	57.68	-16.32	74	41.23	27.83	18.38	29.76	311	318	P	H
		2389.8	44.56	-9.44	54	28.3	27.56	18.48	29.78	311	318	A	H
	*	2412	100.73	-	-	84.52	27.48	18.52	29.79	311	318	P	H
	*	2412	93.08	-	-	76.87	27.48	18.52	29.79	311	318	A	H
													H
													H
		2384.655	57.27	-16.73	74	40.99	27.59	18.47	29.78	134	244	P	V
		2352.21	44.52	-9.48	54	28.09	27.79	18.41	29.77	134	244	A	V
	*	2412	96.46	-	-	80.25	27.48	18.52	29.79	134	244	P	V
	*	2412	88.66	-	-	72.45	27.48	18.52	29.79	134	244	A	V
													V
													V
802.11n HT20 CH 02 2417MHz		2387.84	58.27	-15.73	74	42	27.57	18.48	29.78	304	302	P	H
		2389.94	45.04	-8.96	54	28.78	27.56	18.48	29.78	304	302	A	H
	*	2417	103.9	-	-	87.7	27.47	18.53	29.8	304	302	P	H
	*	2417	96.17	-	-	79.97	27.47	18.53	29.8	304	302	A	H
													H
													H
		2377.34	57	-17	74	40.68	27.64	18.46	29.78	400	19	P	V
		2389.52	44.86	-9.14	54	28.6	27.56	18.48	29.78	400	19	A	V
	*	2417	101.02	-	-	84.82	27.47	18.53	29.8	400	19	P	V
	*	2417	92.82	-	-	76.62	27.47	18.53	29.8	400	19	A	V
													V
													V



802.11n HT20 CH 06 2437MHz		2385.88	57.41	-16.59	74	41.14	27.58	18.47	29.78	333	304	P	H
		2387.98	45.08	-8.92	54	28.81	27.57	18.48	29.78	333	304	A	H
	*	2437	105.05	-	-	88.85	27.43	18.57	29.8	333	304	P	H
	*	2437	97	-	-	80.8	27.43	18.57	29.8	333	304	A	H
		2487.33	56.71	-17.29	74	40.46	27.4	18.67	29.82	333	304	P	H
		2483.55	45.4	-8.6	54	29.16	27.4	18.66	29.82	333	304	A	H
		2365.58	57.47	-16.53	74	41.09	27.71	18.44	29.77	343	344	P	V
		2353.12	45.07	-8.93	54	28.65	27.78	18.41	29.77	343	344	A	V
	*	2437	100.82	-	-	84.62	27.43	18.57	29.8	343	344	P	V
	*	2437	93.11	-	-	76.91	27.43	18.57	29.8	343	344	A	V
		2491.67	59.05	-14.95	74	42.8	27.4	18.68	29.83	343	344	P	V
		2497.34	45.19	-8.81	54	28.93	27.4	18.69	29.83	343	344	A	V
802.11n HT20 CH 10 2457MHz	*	2457	103.59	-	-	87.39	27.4	18.61	29.81	301	302	P	H
	*	2457	95.65	-	-	79.45	27.4	18.61	29.81	301	302	A	H
		2486.2	59.98	-14.02	74	43.73	27.4	18.67	29.82	301	302	P	H
		2484.64	45.28	-8.72	54	29.03	27.4	18.67	29.82	301	302	A	H
													H
													H
	*	2457	99.86	-	-	83.66	27.4	18.61	29.81	386	19	P	V
	*	2457	91.62	-	-	75.42	27.4	18.61	29.81	386	19	A	V
		2486.14	56.62	-17.38	74	40.37	27.4	18.67	29.82	386	19	P	V
		2486.14	45.07	-8.93	54	28.82	27.4	18.67	29.82	386	19	A	V
													V
													V



802.11n HT20 CH 11 2462MHz	*	2462	99.71	-	-	83.5	27.4	18.62	29.81	291	312	P	H
	*	2462	91.19	-	-	74.98	27.4	18.62	29.81	291	312	A	H
		2484.32	58.43	-15.57	74	42.19	27.4	18.66	29.82	291	312	P	H
		2483.56	45.18	-8.82	54	28.94	27.4	18.66	29.82	291	312	A	H
													H
													H
	*	2462	94.52	-	-	78.31	27.4	18.62	29.81	121	247	P	V
	*	2462	87	-	-	70.79	27.4	18.62	29.81	121	247	A	V
		2495.6	57.15	-16.85	74	40.89	27.4	18.69	29.83	121	247	P	V
		2483.64	44.67	-9.33	54	28.43	27.4	18.66	29.82	121	247	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI 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 HT20 CH 01 2412MHz		4824	38.99	-35.01	74	53.97	31.15	13.36	59.49	100	0	P	H
		17955	57.89	-16.11	74	40.76	48.35	25.66	56.88	100	0	P	H
		17955	46.4	-7.6	54	29.27	48.35	25.66	56.88	100	0	A	H
													H
		4824	39.05	-34.95	74	54.03	31.15	13.36	59.49	100	0	P	V
		17940	57.17	-16.83	74	40.41	48.04	25.66	56.94	100	0	P	V
		17940	46.21	-7.79	54	29.45	48.04	25.66	56.94	100	0	A	V
													V
802.11n HT20 CH 06 2437MHz		4874	40.06	-33.94	74	55.07	31.15	13.36	59.52	100	0	P	H
		7311	44.2	-29.8	74	50.98	36.42	16.16	59.36	100	0	P	H
		17985	58.66	-15.34	74	40.76	48.99	25.67	56.76	100	0	P	H
		17985	46.76	-7.24	54	28.86	48.99	25.67	56.76	100	0	A	H
		4874	40.92	-33.08	74	55.93	31.15	13.36	59.52	100	0	P	V
		7311	43.17	-30.83	74	49.95	36.42	16.16	59.36	100	0	P	V
		17985	58.62	-15.38	74	40.72	48.99	25.67	56.76	100	0	P	V
		17985	46.73	-7.27	54	28.83	48.99	25.67	56.76	100	0	A	V
802.11n HT20 CH 11 2462MHz		4924	38.89	-35.11	74	53.88	31.2	13.36	59.55	100	0	P	H
		7386	43.81	-30.19	74	50.28	36.43	16.36	59.26	100	0	P	H
		17970	57.46	-16.54	74	39.94	48.67	25.67	56.82	100	0	P	H
		17970	46.64	-7.36	54	29.12	48.67	25.67	56.82	100	0	A	H
		4924	39.42	-34.58	74	54.41	31.2	13.36	59.55	100	0	P	V
		7386	43.82	-30.18	74	50.29	36.43	16.36	59.26	100	0	P	V
		17970	58.01	-15.99	74	40.49	48.67	25.67	56.82	100	0	P	V
		17970	46.58	-7.42	54	29.06	48.67	25.67	56.82	100	0	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 (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		2384.34	57.2	-16.8	74	40.92	27.59	18.47	29.78	311	317	P	H
		2353.54	46.86	-7.14	54	30.44	27.78	18.41	29.77	311	317	A	H
	*	2422	97.29	-	-	81.09	27.46	18.54	29.8	311	317	P	H
	*	2422	89.75	-	-	73.55	27.46	18.54	29.8	311	317	A	H
		2486.42	56.83	-17.17	74	40.58	27.4	18.67	29.82	311	317	P	H
		2487.33	46.97	-7.03	54	30.72	27.4	18.67	29.82	311	317	A	H
		2362.36	57.23	-16.77	74	40.84	27.73	18.43	29.77	100	313	P	V
		2351.3	46.92	-7.08	54	30.49	27.79	18.41	29.77	100	313	A	V
	*	2422	93.14	-	-	76.94	27.46	18.54	29.8	100	313	P	V
	*	2422	85.57	-	-	69.37	27.46	18.54	29.8	100	313	A	V
		2496.64	57.16	-16.84	74	40.9	27.4	18.69	29.83	100	313	P	V
		2489.36	47.04	-6.96	54	30.8	27.4	18.67	29.83	100	313	A	V
802.11n HT40 CH 04 2427MHz		2389.38	60.55	-13.45	74	44.29	27.56	18.48	29.78	301	305	P	H
		2389.94	50.8	-3.2	54	34.54	27.56	18.48	29.78	301	305	A	H
	*	2427	102.67	-	-	86.47	27.45	18.55	29.8	301	305	P	H
	*	2427	94.56	-	-	78.36	27.45	18.55	29.8	301	305	A	H
		2484.88	58.72	-15.28	74	42.47	27.4	18.67	29.82	301	305	P	H
		2488.24	47.19	-6.81	54	30.95	27.4	18.67	29.83	301	305	A	H
		2387.7	57.74	-16.26	74	41.47	27.57	18.48	29.78	343	343	P	V
		2389.52	49.31	-4.69	54	33.05	27.56	18.48	29.78	343	343	A	V
	*	2427	98.92	-	-	82.72	27.45	18.55	29.8	343	343	P	V
	*	2427	90.99	-	-	74.79	27.45	18.55	29.8	343	343	A	V
		2493.91	56.47	-17.53	74	40.22	27.4	18.68	29.83	343	343	P	V
		2485.65	47.27	-6.73	54	31.02	27.4	18.67	29.82	343	343	A	V



802.11n HT40 CH 06 2437MHz		2330.44	57.79	-16.21	74	41.34	27.84	18.37	29.76	334	303	P	H
		2355.78	47.05	-6.95	54	30.63	27.77	18.42	29.77	334	303	A	H
	*	2437	103.16	-	-	86.96	27.43	18.57	29.8	334	303	P	H
	*	2437	95.22	-	-	79.02	27.43	18.57	29.8	334	303	A	H
		2485.65	60.87	-13.13	74	44.62	27.4	18.67	29.82	334	303	P	H
		2486.98	47.37	-6.63	54	31.12	27.4	18.67	29.82	334	303	A	H
		2370.2	56.71	-17.29	74	40.37	27.68	18.44	29.78	124	312	P	V
		2352.28	47.02	-6.98	54	30.59	27.79	18.41	29.77	124	312	A	V
	*	2437	98.84	-	-	82.64	27.43	18.57	29.8	124	312	P	V
	*	2437	90.98	-	-	74.78	27.43	18.57	29.8	124	312	A	V
		2486.63	57.72	-16.28	74	41.47	27.4	18.67	29.82	124	312	P	V
		2488.24	47.41	-6.59	54	31.17	27.4	18.67	29.83	124	312	A	V
802.11n HT40 CH 08 2447MHz		2366.7	56.81	-17.19	74	40.44	27.7	18.44	29.77	301	306	P	H
		2357.04	47.19	-6.81	54	30.78	27.76	18.42	29.77	301	306	A	H
	*	2447	101.83	-	-	85.64	27.41	18.59	29.81	301	306	P	H
	*	2447	94.11	-	-	77.92	27.41	18.59	29.81	301	306	A	H
		2493.77	56.77	-17.23	74	40.52	27.4	18.68	29.83	301	306	P	H
		2484.04	47.8	-6.2	54	31.56	27.4	18.66	29.82	301	306	A	H
		2328.2	57.59	-16.41	74	41.14	27.84	18.37	29.76	341	344	P	V
		2313.36	47.14	-6.86	54	30.68	27.87	18.34	29.75	341	344	A	V
	*	2447	97.83	-	-	81.64	27.41	18.59	29.81	341	344	P	V
	*	2447	90.29	-	-	74.1	27.41	18.59	29.81	341	344	A	V
		2495.17	56.84	-17.16	74	40.58	27.4	18.69	29.83	341	344	P	V
		2485.23	47.19	-6.81	54	30.94	27.4	18.67	29.82	341	344	A	V



802.11n HT40 CH 09 2452MHz		2325.96	56.88	-17.12	74	40.43	27.85	18.36	29.76	300	306	P	H
		2362.08	47.06	-6.94	54	30.67	27.73	18.43	29.77	300	306	A	H
	*	2452	97.72	-	-	81.53	27.4	18.6	29.81	300	306	P	H
	*	2452	89.88	-	-	73.69	27.4	18.6	29.81	300	306	A	H
		2483.97	58.25	-15.75	74	42.01	27.4	18.66	29.82	300	306	P	H
		2485.23	47.56	-6.44	54	31.31	27.4	18.67	29.82	300	306	A	H
		2388.96	56.38	-17.62	74	40.11	27.57	18.48	29.78	123	311	P	V
		2386.44	46.87	-7.13	54	30.6	27.58	18.47	29.78	123	311	A	V
	*	2452	94.07	-	-	77.88	27.4	18.6	29.81	123	311	P	V
	*	2452	86.05	-	-	69.86	27.4	18.6	29.81	123	311	A	V
		2488.1	57.75	-16.25	74	41.51	27.4	18.67	29.83	123	311	P	V
		2498.53	47	-7	54	30.74	27.4	18.69	29.83	123	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 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		4844	38.77	-35.23	74	53.73	31.19	13.36	59.51	100	0	P	H
		7266	44.53	-29.47	74	51.65	36.26	16.05	59.43	100	0	P	H
		17970	58.02	-15.98	74	40.5	48.67	25.67	56.82	100	0	P	H
		17970	48.08	-5.92	54	30.56	48.67	25.67	56.82	100	0	A	H
		4844	38.67	-35.33	74	53.63	31.19	13.36	59.51	100	0	P	V
		7266	43.31	-30.69	74	50.43	36.26	16.05	59.43	100	0	P	V
		17985	57.72	-16.28	74	39.82	48.99	25.67	56.76	100	0	P	V
		17985	48.64	-5.36	54	30.74	48.99	25.67	56.76	100	0	A	V
802.11n HT40 CH 06 2437MHz		4874	39.12	-34.88	74	54.13	31.15	13.36	59.52	100	0	P	H
		7311	43.88	-30.12	74	50.66	36.42	16.16	59.36	100	0	P	H
		17955	57.5	-16.5	74	40.37	48.35	25.66	56.88	100	0	P	H
		17955	46.32	-7.68	54	29.19	48.35	25.66	56.88	100	0	A	H
		4874	39.64	-34.36	74	54.65	31.15	13.36	59.52	100	0	P	V
		7311	44.15	-29.85	74	50.93	36.42	16.16	59.36	100	0	P	V
		17955	57.75	-16.25	74	40.62	48.35	25.66	56.88	100	0	P	V
		17955	46.22	-7.78	54	29.09	48.35	25.66	56.88	100	0	A	V
802.11n HT40 CH 09 2452MHz		4904	39.17	-34.83	74	54.23	31.12	13.36	59.54	100	0	P	H
		7356	44.79	-29.21	74	51.32	36.49	16.28	59.3	100	0	P	H
		17970	57.8	-16.2	74	40.28	48.67	25.67	56.82	100	0	P	H
		17970	48.97	-5.03	54	31.45	48.67	25.67	56.82	100	0	A	H
		4904	38.91	-35.09	74	53.97	31.12	13.36	59.54	100	0	P	V
		7356	45.29	-28.71	74	51.82	36.49	16.28	59.3	100	0	P	V
		17970	57.81	-16.19	74	40.29	48.67	25.67	56.82	100	0	P	V
		17970	46.54	-7.46	54	29.02	48.67	25.67	56.82	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

2.4GHz WIFI 802.11n HT40 (SHF)

[illegible]



Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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)
2.4GHz 802.11n HT40 LF		62.01	28.75	-11.25	40	48.21	12.19	1.14	32.79	100	0	P	H
		72.68	24.14	-15.86	40	42.88	12.74	1.26	32.74	-	-	P	H
		182.29	24.32	-19.18	43.5	39.82	15.14	2.22	32.86	-	-	P	H
		212.36	22.53	-20.97	43.5	38.11	14.88	2.41	32.87	-	-	P	H
		445.16	24.96	-21.04	46	31.08	22.81	3.57	32.5	-	-	P	H
		515	27.43	-18.57	46	32.46	23.79	3.84	32.66	-	-	P	H
													H
													H
													H
													H
													H
		38.73	28.23	-11.77	40	40.2	20	0.81	32.78	-	-	P	V
		62.01	30.36	-9.64	40	49.82	12.19	1.14	32.79	100	0	P	V
		72.68	30.12	-9.88	40	48.86	12.74	1.26	32.74	-	-	P	V
		187.14	23.08	-20.42	43.5	38.7	15	2.25	32.87	-	-	P	V
		510.15	27.37	-18.63	46	32.36	23.85	3.82	32.66	-	-	P	V
		746.83	35.03	-10.97	46	35.3	27.66	4.69	32.62	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



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	Peak or Average
H/V	Horizontal or Vertical



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”.



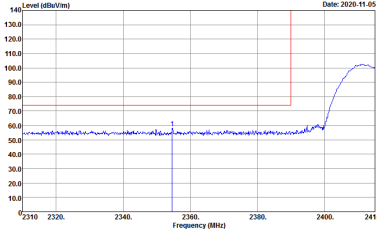
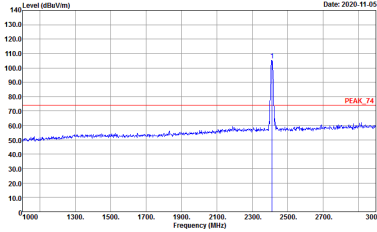
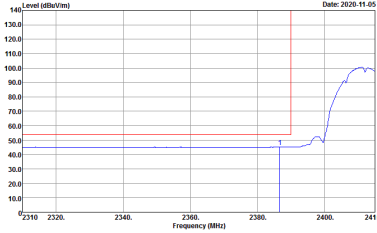
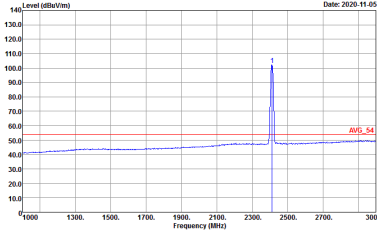
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Andy Yang and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

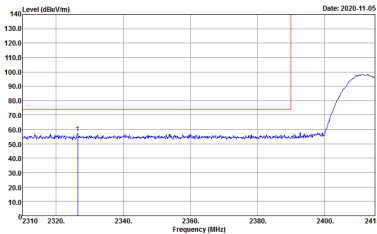
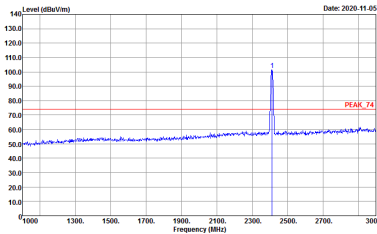
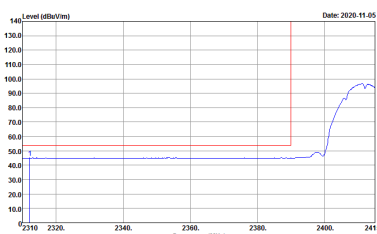
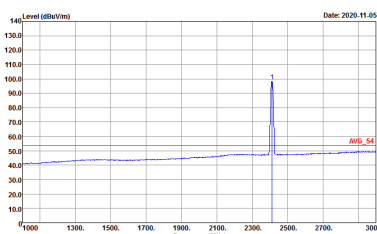
Note symbol

-L	Low channel location
-R	High channel location

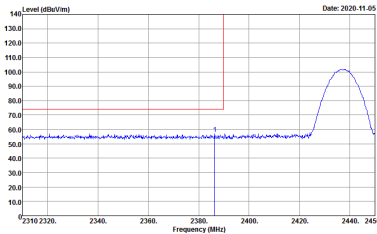
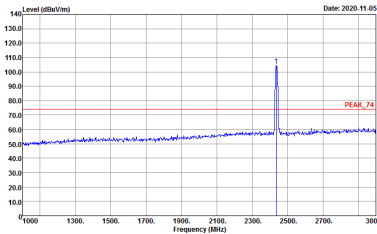
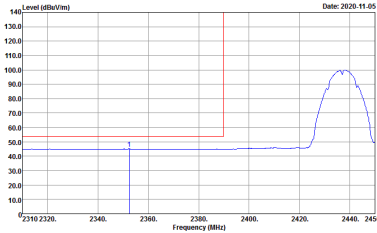
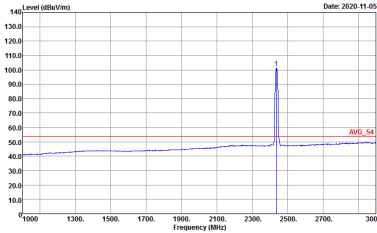
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>

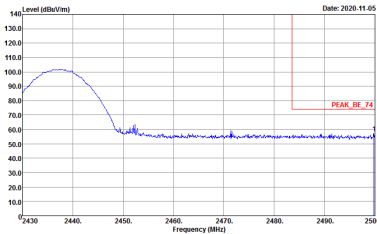
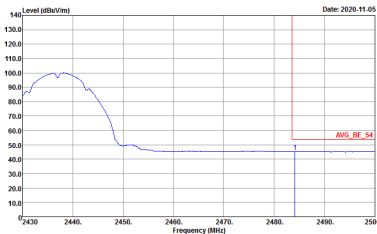


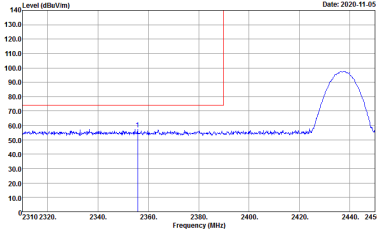
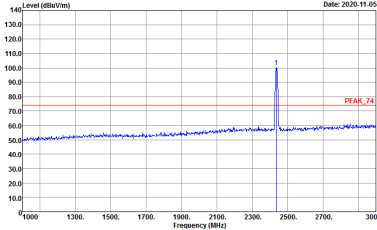
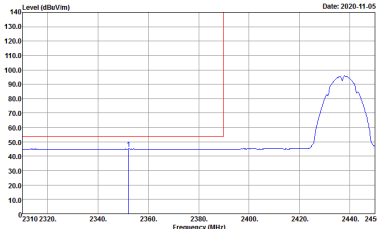
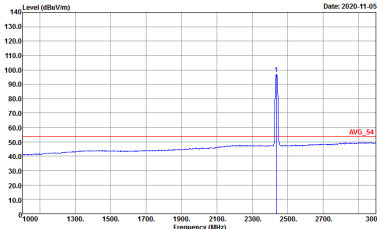
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>

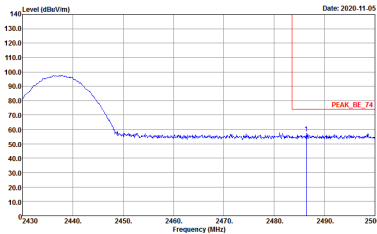
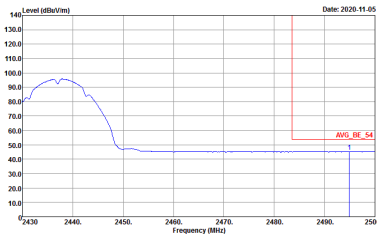


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

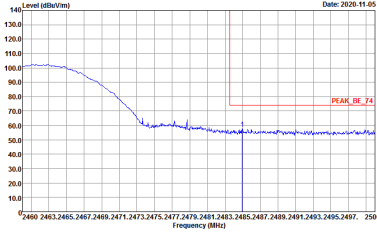
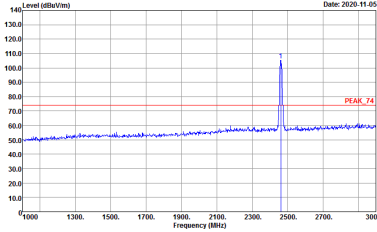
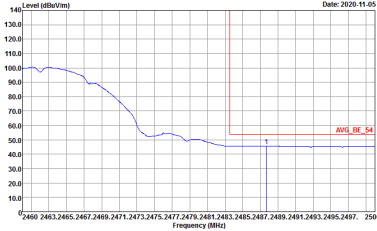
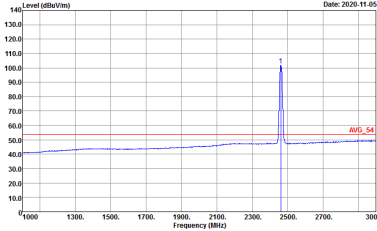


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742 </p>	Left blank
Avg.	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742 </p>	Left blank

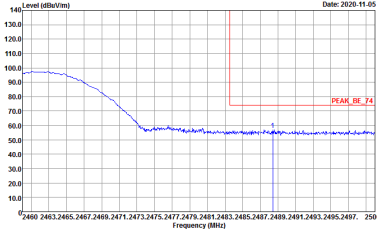
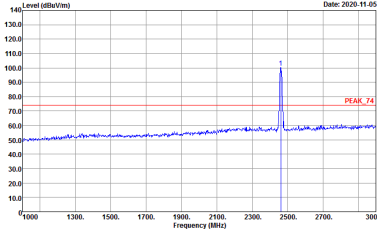
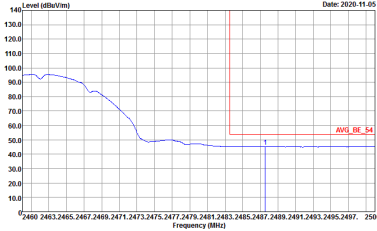
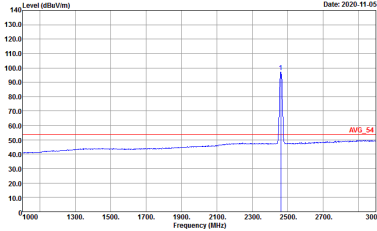
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank
Avg.	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

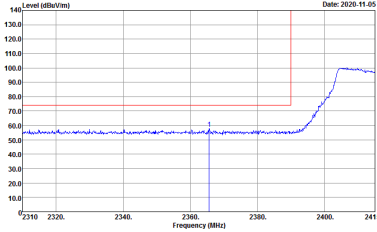
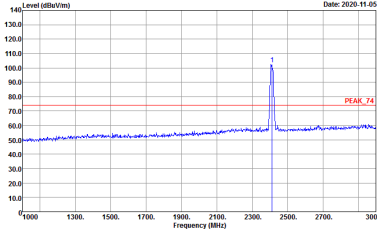
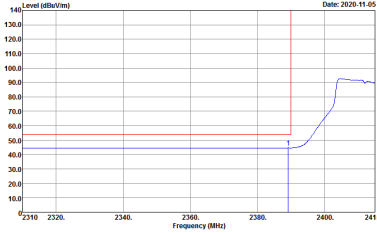
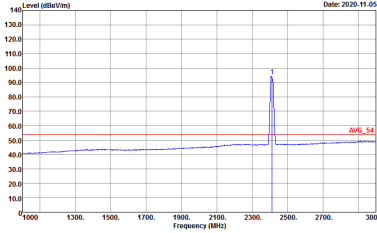


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

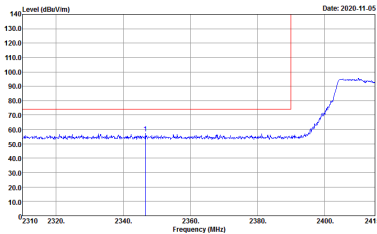
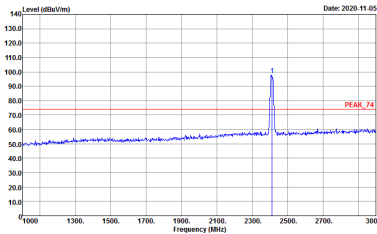
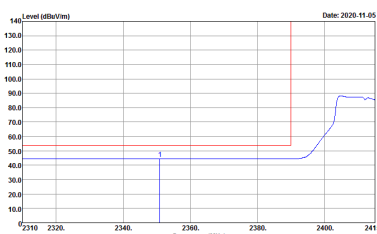
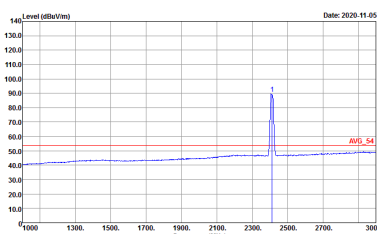


2.4GHz 2400~2483.5MHz

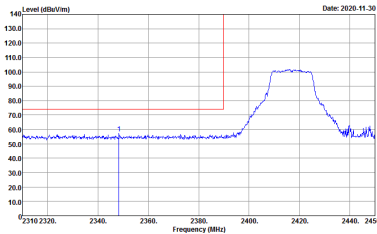
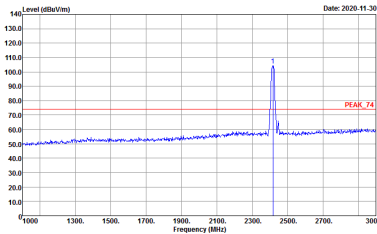
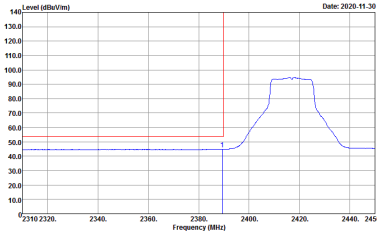
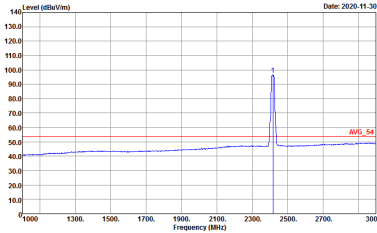
WIFI 802.11g (Band Edge @ 3m)

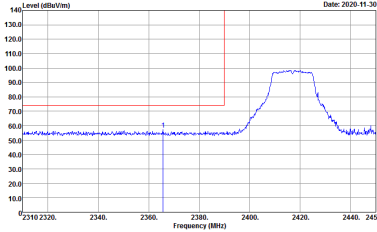
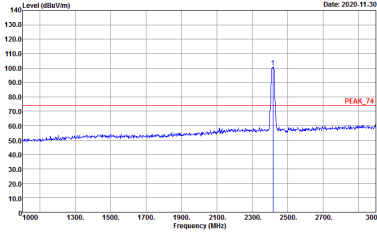
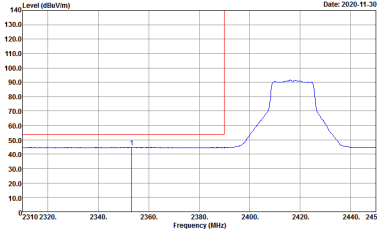
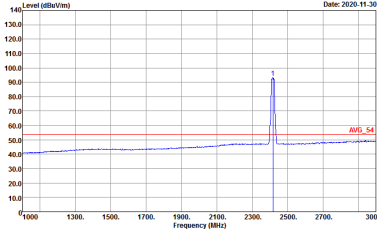
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>



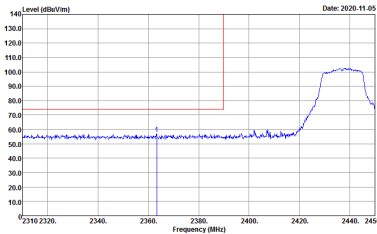
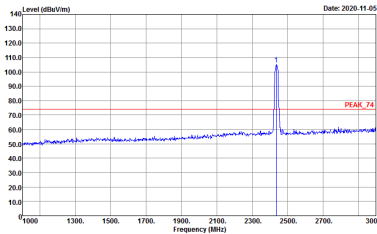
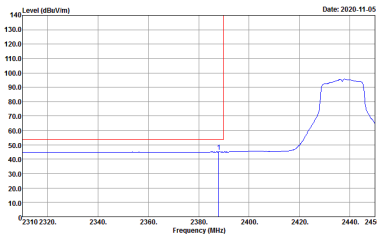
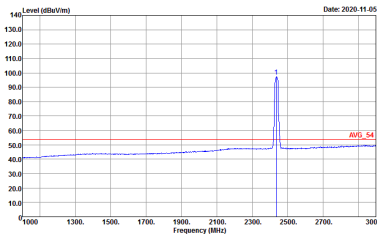
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>



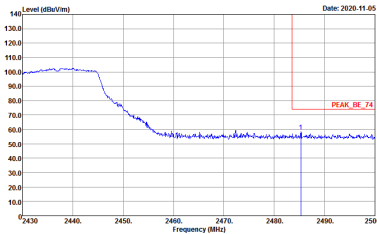
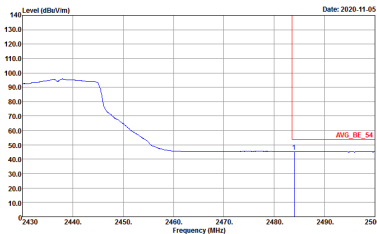
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH02 2417MHz	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH02 2417MHz	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	 <p> Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>
	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742 </p>	 <p> Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742 </p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>

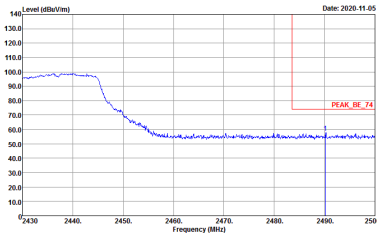
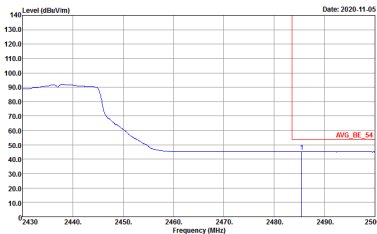


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>

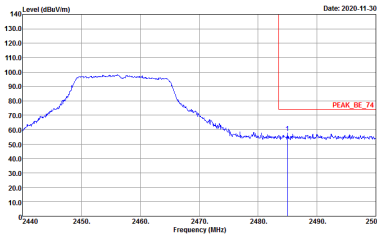
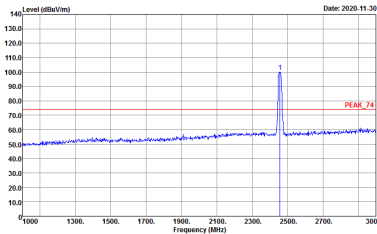
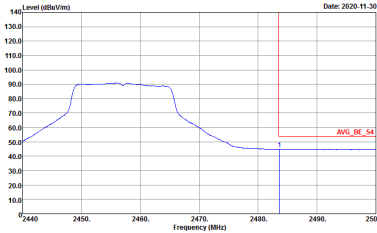
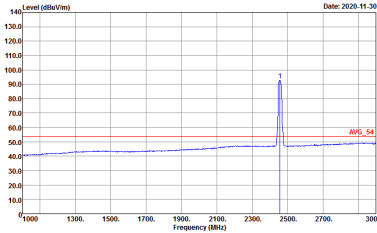


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_152Z VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	Left Blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_152Z VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	Left Blank



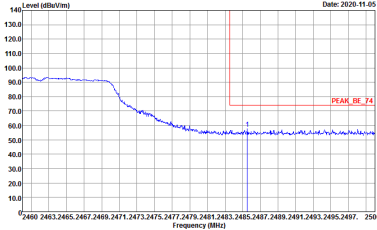
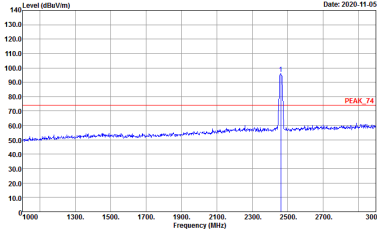
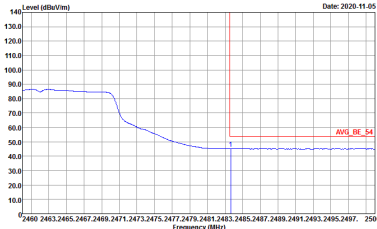
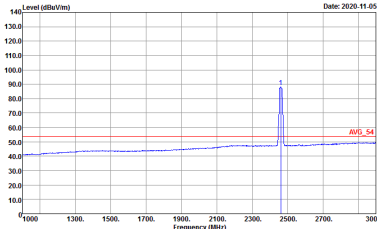
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH10 2457MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH10 2457MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>



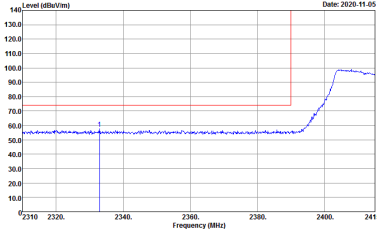
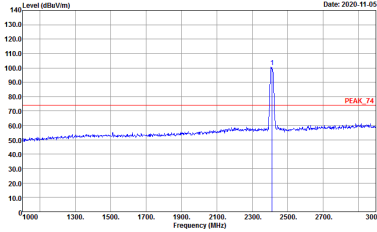
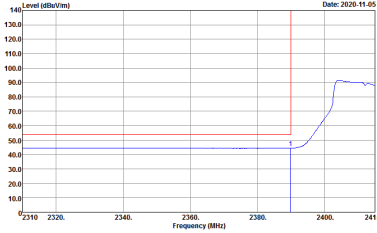
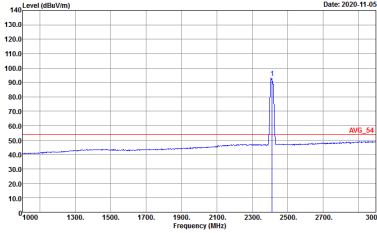
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>

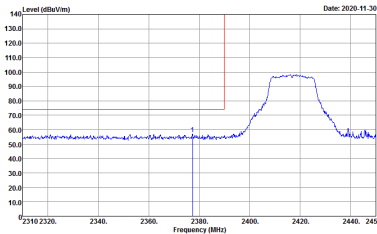
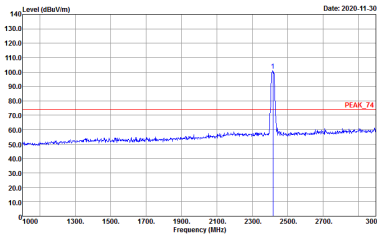
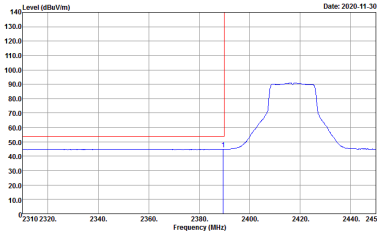
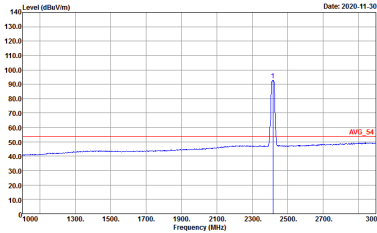


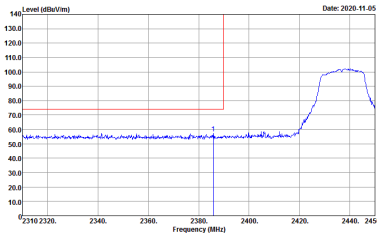
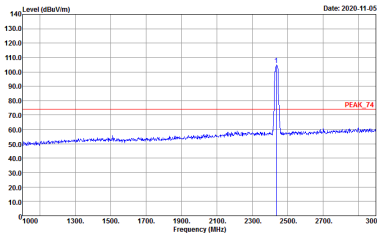
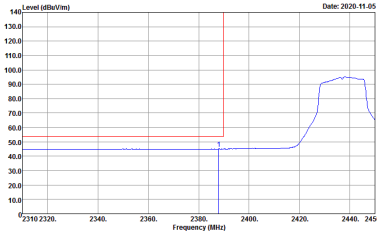
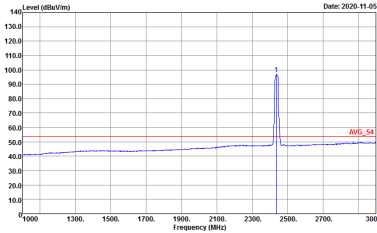
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>
	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>



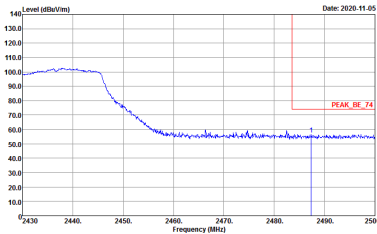
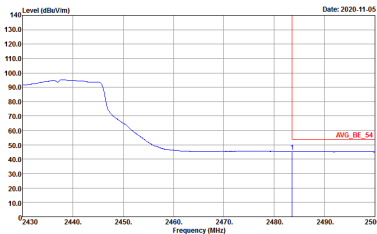
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH02 2417MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>

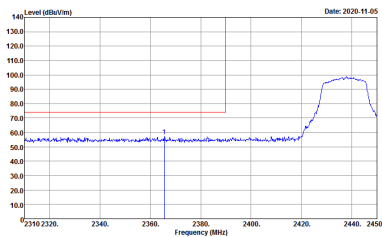
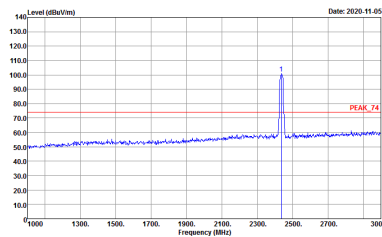
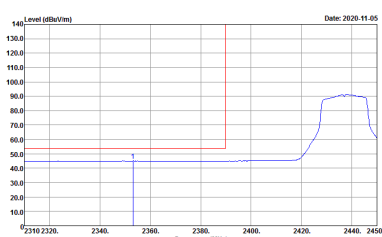
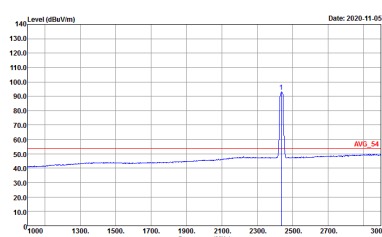


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH02 2417MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 091742</p>

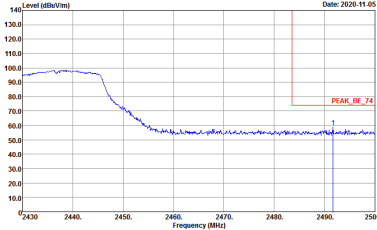
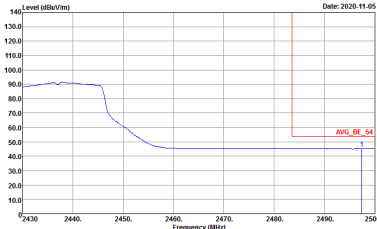
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

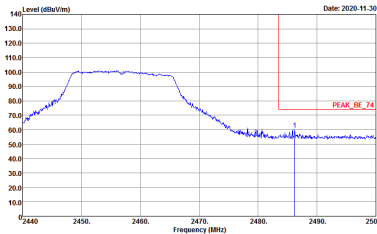
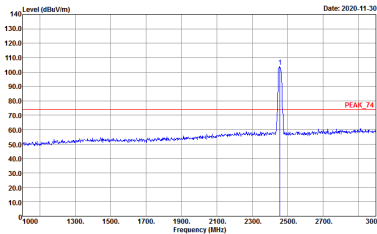
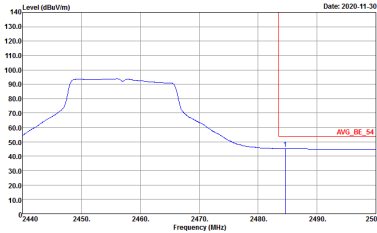
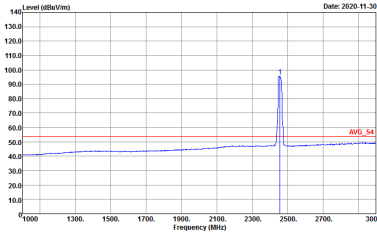


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank

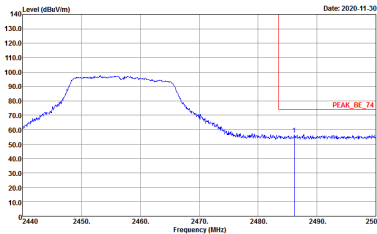
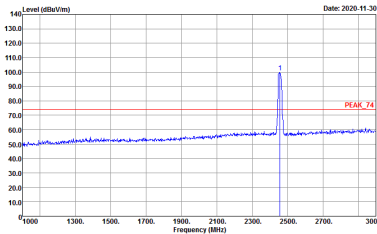
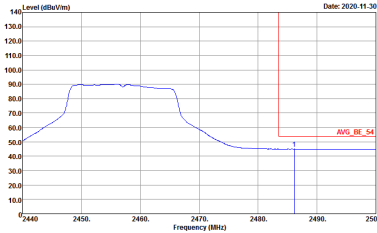
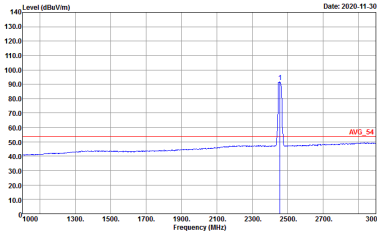
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 091742</p>
Avg.		



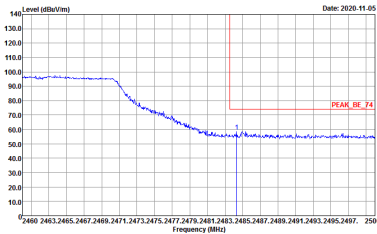
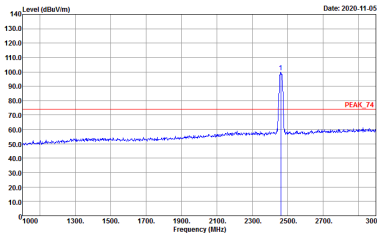
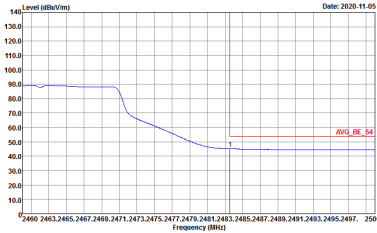
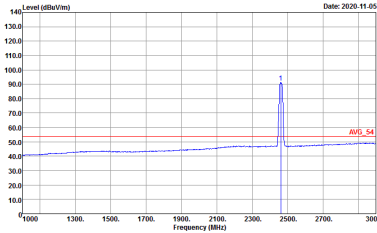
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_152Z VERTICAL Detector : Peak Project : 091742</p></div>	Left Blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_152Z VERTICAL Detector : Peak Project : 091742</p></div>	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2457MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

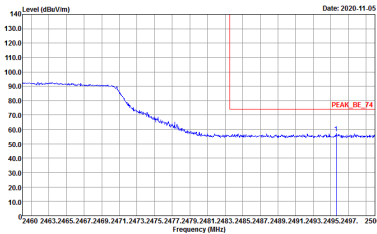
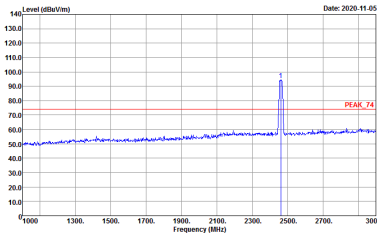
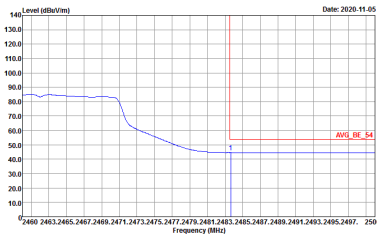
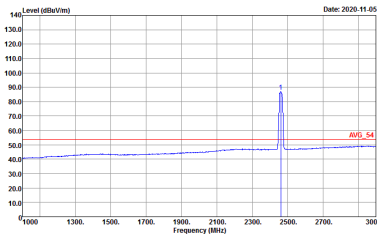


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH10 2457MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

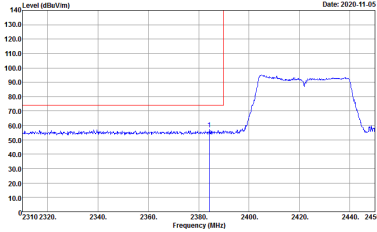
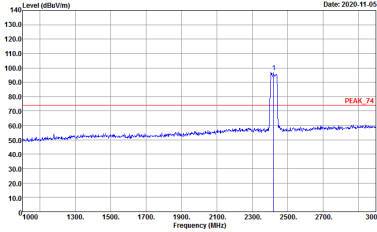
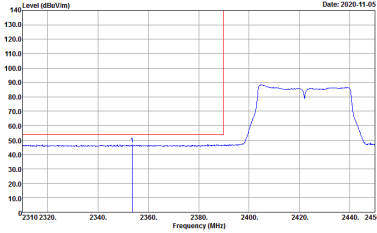
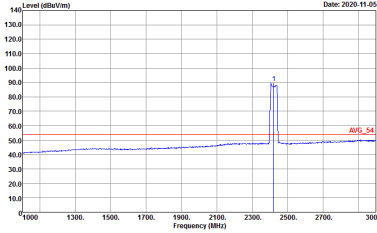


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

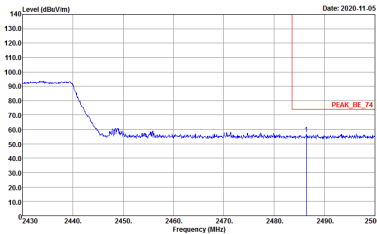
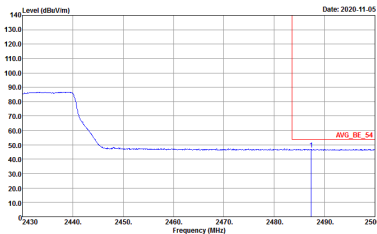


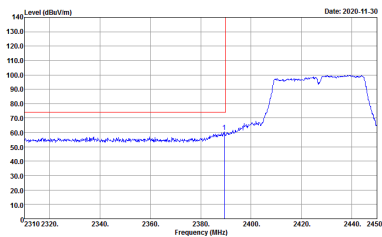
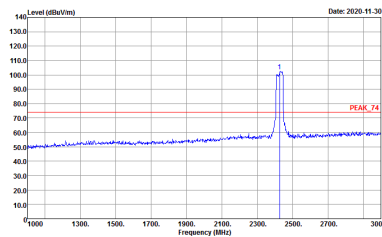
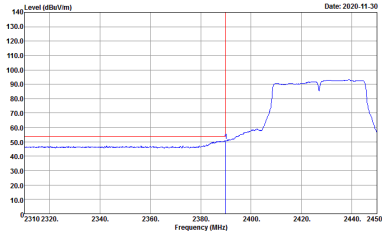
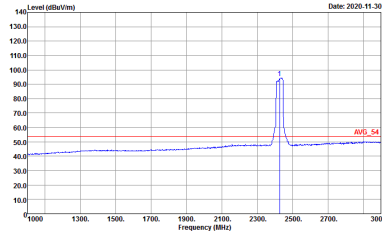
2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

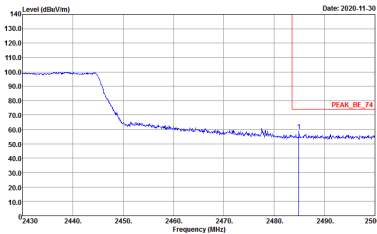
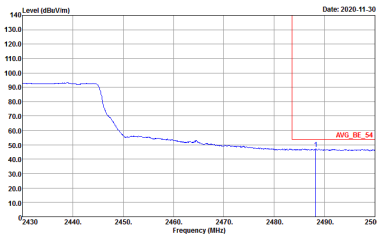
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p>



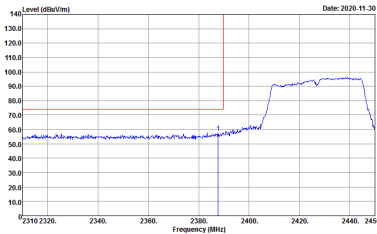
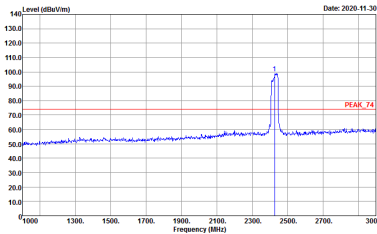
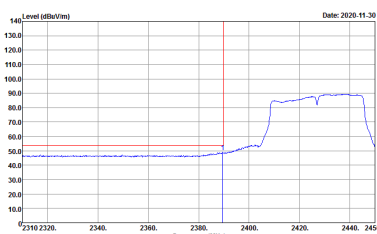
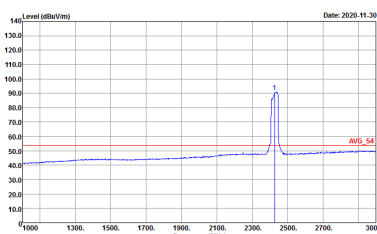
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left Blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH04 2427MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

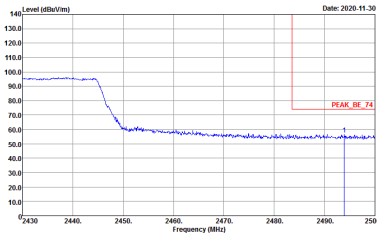
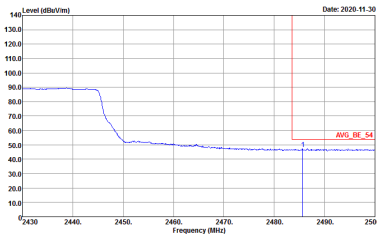


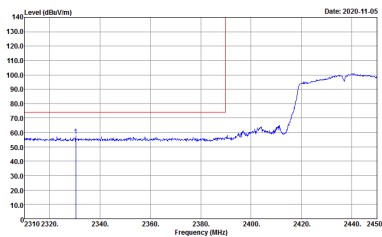
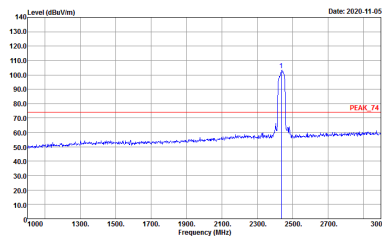
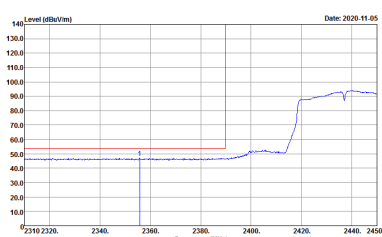
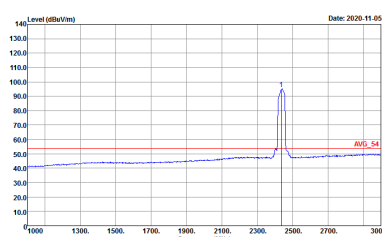
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH04 2427MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left Blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left Blank

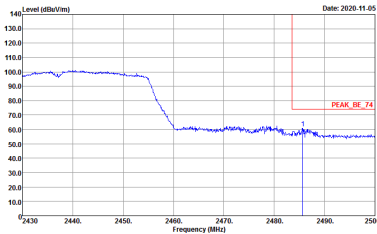
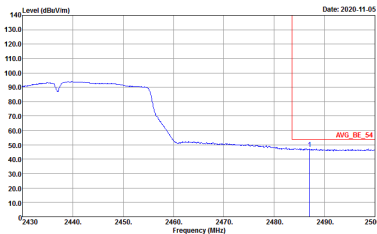


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH04 2427MHz - L	
1	Vertical	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p></div>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH04 2427MHz - R	
1	Vertical	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank

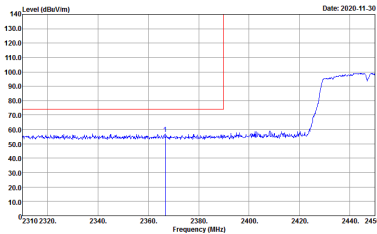
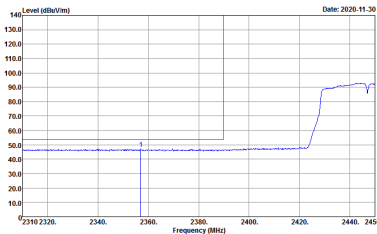
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p>
	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p>

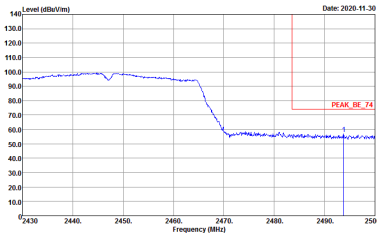
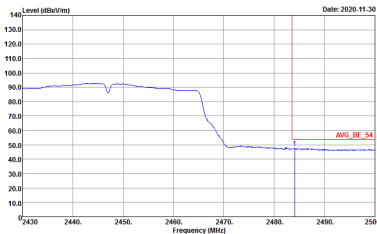


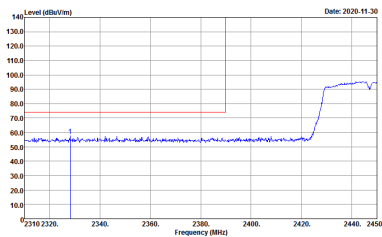
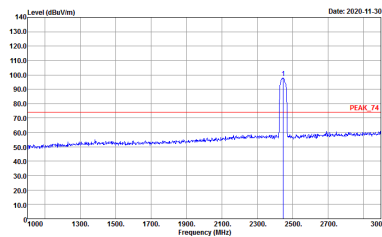
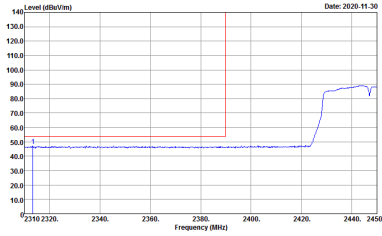
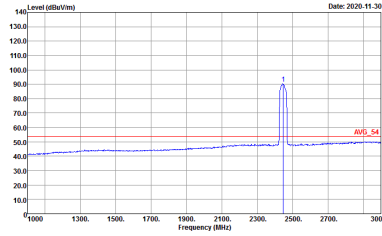
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2447MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank

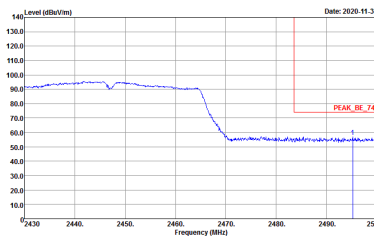
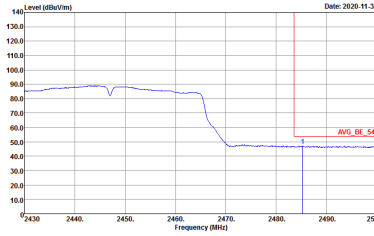


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH08 2447MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>

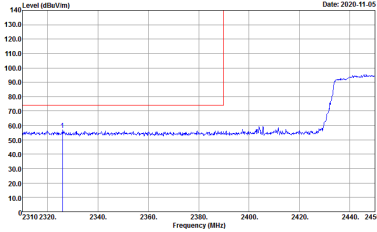
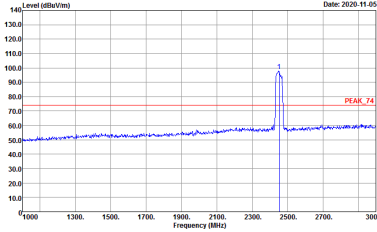
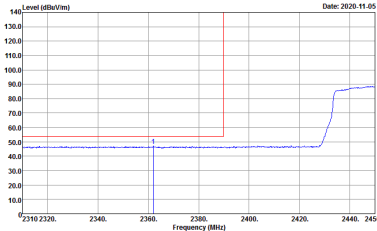
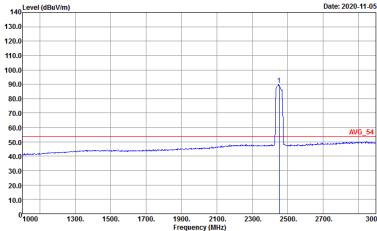


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH08 2447MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank

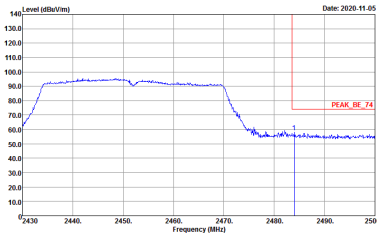
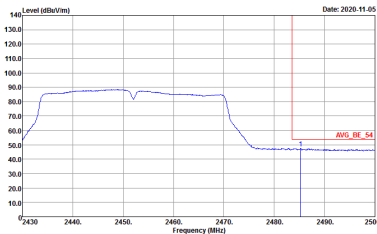
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH08 2447MHz - L	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742 </p>	 <p> Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742 </p>
	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742 </p>	 <p> Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : Peak Project : 091742 </p>
Avg.		

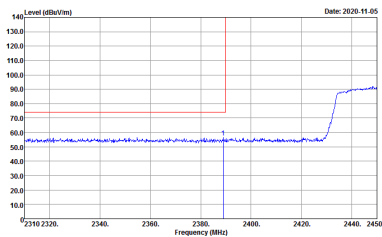
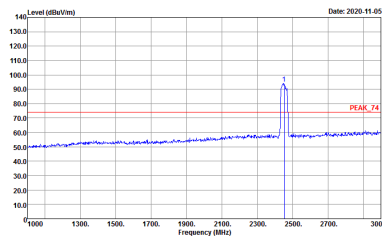
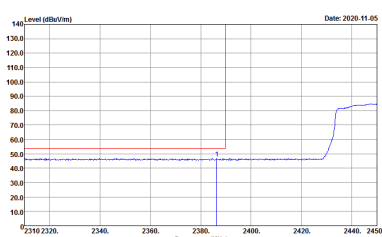
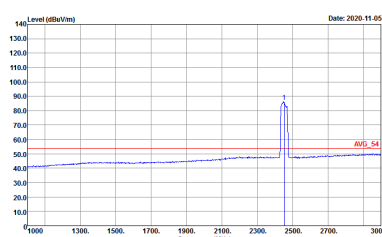
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH08 2447MHz - R	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank
Avg.	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank

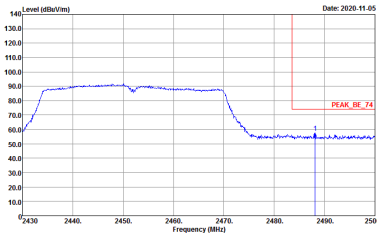
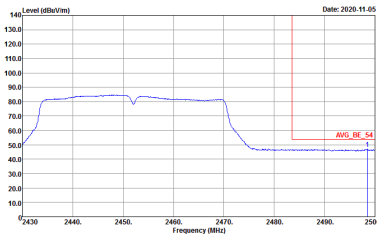


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>	<div><p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p></div>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Horizontal	Fundamental
Peak	<div><p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank
Avg.	<div><p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742</p></div>	Left blank

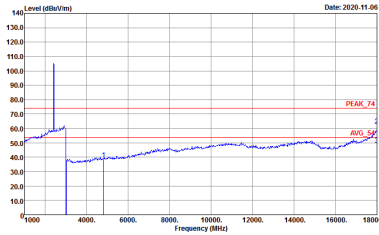
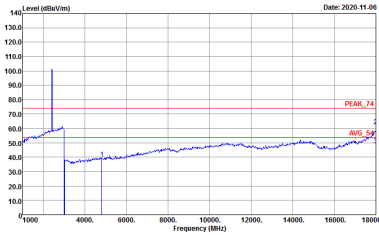
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 091742</p>
	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Avg. : 091742</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Project : Avg. : 091742</p>

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank
Avg.	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 091742 </p>	Left blank

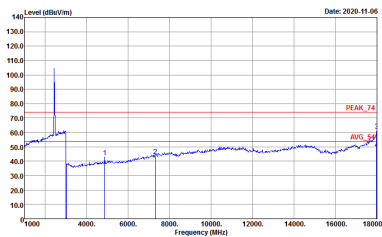
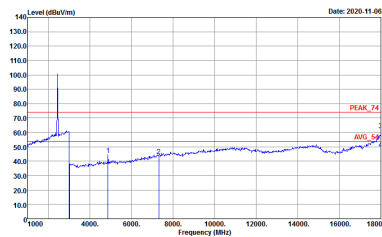


2.4GHz 2400~2483.5MHz

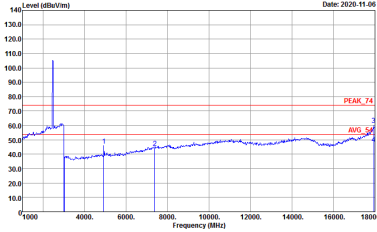
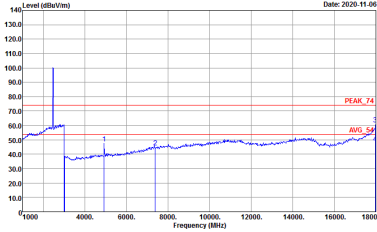
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH6-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH6-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

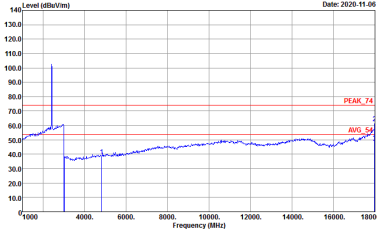
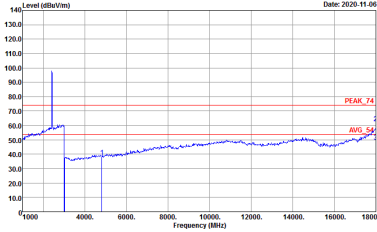


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

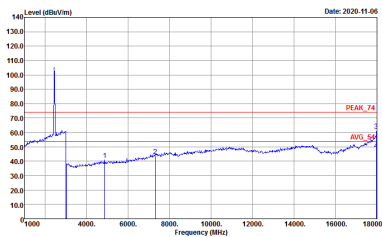
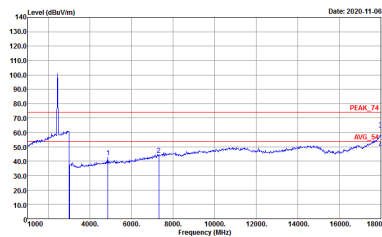


2.4GHz 2400~2483.5MHz

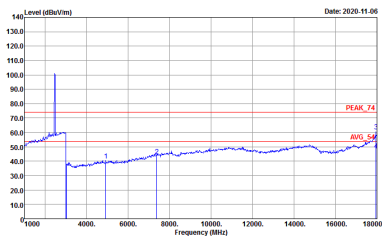
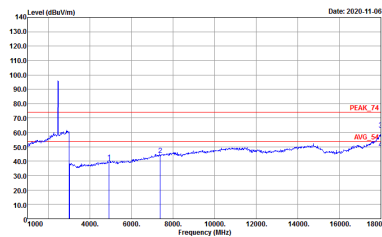
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

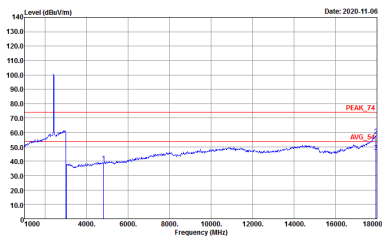
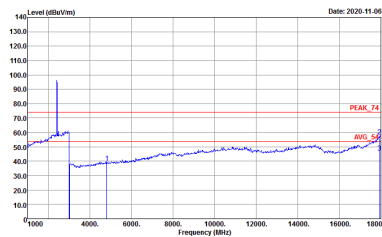


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

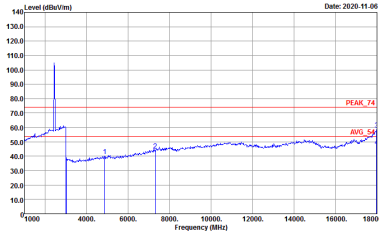
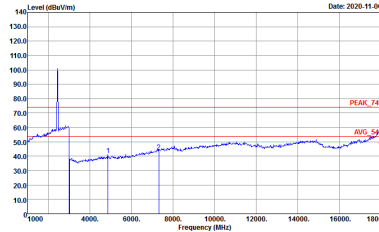


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

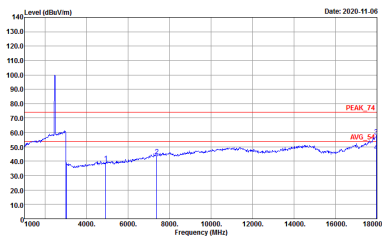
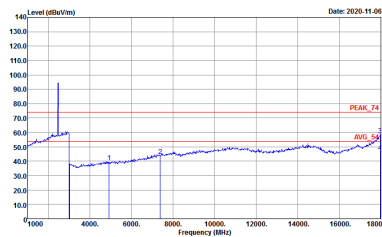
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 <p> Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742 </p>	 <p> Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742 </p>

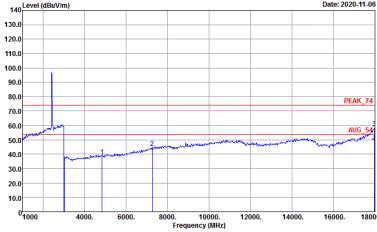
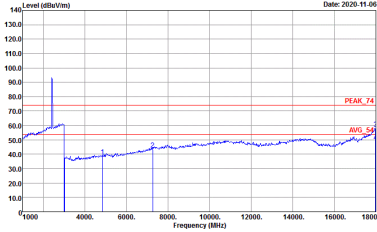


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

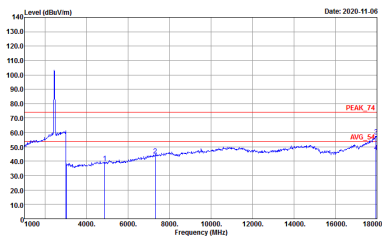
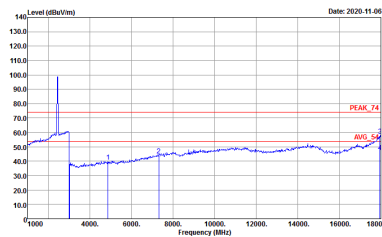


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>

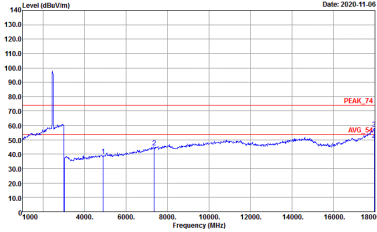
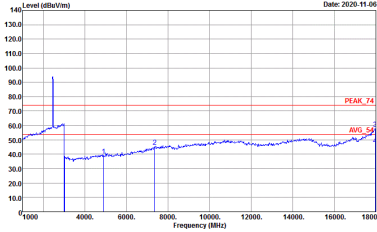
**2.4GHz 2400~2483.5MHz****WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>



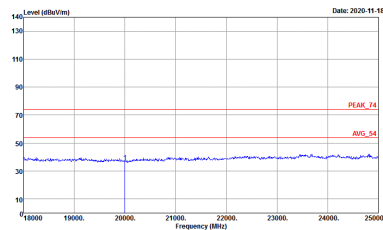
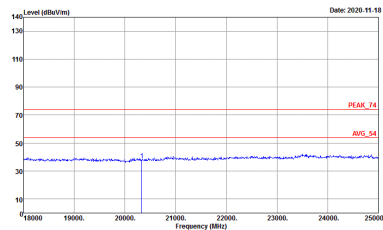
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>



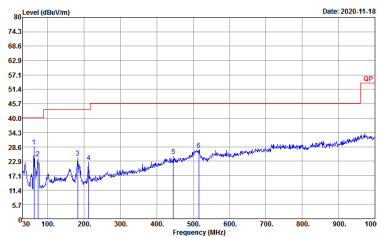
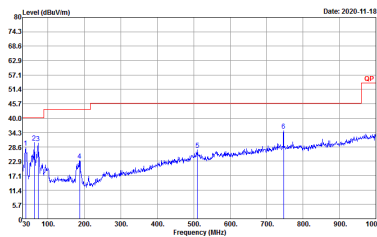
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-11Y Condition : PEAK_74 3m 91200_1522 VERTICAL Detector : Peak Project : 091742</p>



Emission above 18GHz
2.4GHz WIFI 802.11n HT40 (SHF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT40 SHF	
1	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN 88HA9170584 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN 88HA9170584 VERTICAL Detector : Peak Project : 091742</p>

Emission below 1GHz
2.4GHz WIFI 802.11n HT40 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH16-HY Condition : QP 3m B1LOG_41912A05 HORIZONTAL Detector : Peak Project : 091742</p>	 <p>Site : 03CH16-HY Condition : QP 3m B1LOG_41912A05 VERTICAL Detector : Peak Project : 091742</p>



Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11b	99.16	-	-	10Hz	0.04
802.11g	98.10	-	-	10Hz	0.08
2.4GHz 802.11n HT20	98.02	-	-	10Hz	0.09
2.4GHz 802.11n HT40	93.96	855	1.17	3kHz	0.27

