

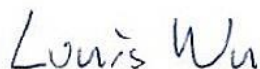


FCC RADIO TEST REPORT

FCC ID : 2AFZZJ3SG
Equipment : Mobile Phone
Brand Name : MI
Model Name : M2007J3SG
M2007J3SY
Applicant : Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33
Xi'erqi Middle Road, Haidian
District, Beijing, China, 100085
Manufacturer : Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33
Xi'erqi Middle Road, Haidian
District, Beijing, China, 100085
Standard : FCC Part 15 Subpart C §15.247

The product was received on Jul. 27, 2020 and testing was started from Jul. 28, 2020 and completed on Aug. 19, 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
FR072112C	01	Initial issue of report	Aug. 28, 2020
FR072112C	02	Revising test description.	Sep. 03, 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 6.37 dB at 2389.900 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 15.08 dB at 11.896 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: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, and GNSS.

Product Feature	
Sample 1	Memory(8+256GB)
Sample 2	Memory(8+128GB)
Antenna Type	WWAN: <Ant. 1> : PIFA Antenna <Ant. 2> : PIFA Antenna WLAN: <Ant. 4> : PIFA Antenna <Ant. 5> : PIFA Antenna Bluetooth: <Ant. 4> : PIFA Antenna <Ant. 5> : PIFA Antenna GPS / Glonass / Galileo / SBAS / BDS: PIFA Antenna NFC: Planar Antenna

Remark: All test items were performed with Sample 1.

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.	
	03CH15-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.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

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

MIMO Antenna

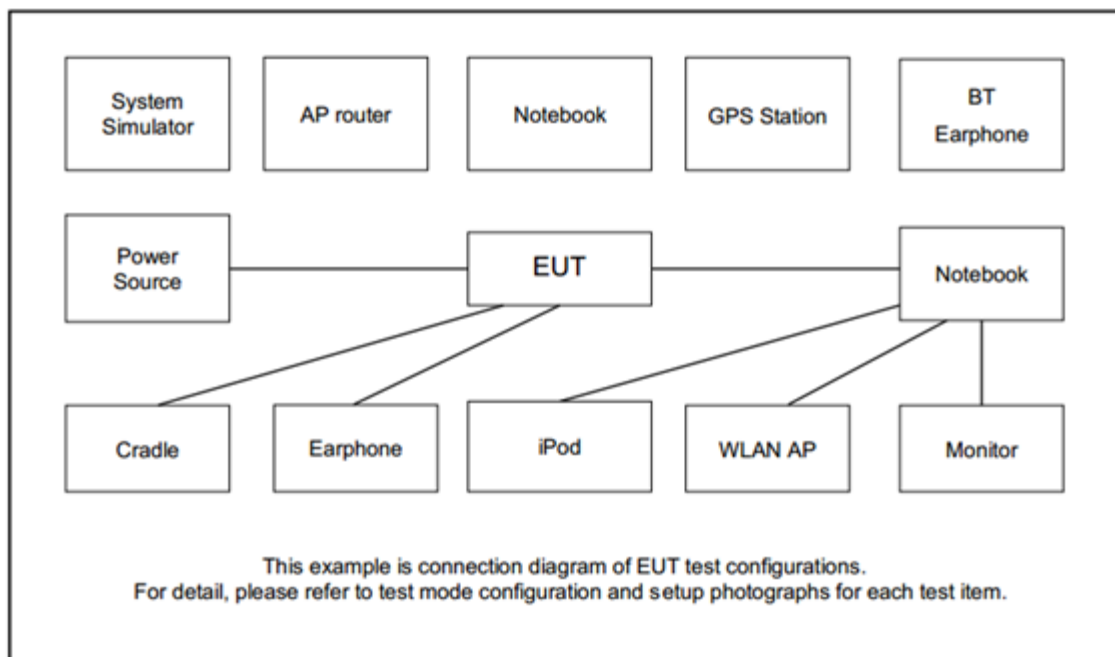
Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + USB Cable (Charging from AC Adapter)

Ch. #	2400-2483.5 MHz			
	802.11b	802.11g	802.11ax HE20	802.11ax HE40
Low	01	01	01	03
Middle	06	06	06	06
High	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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, 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.

<Partially Loaded RUs>

The RF test items, utility “QSPR V_5.0-00148” 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.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

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

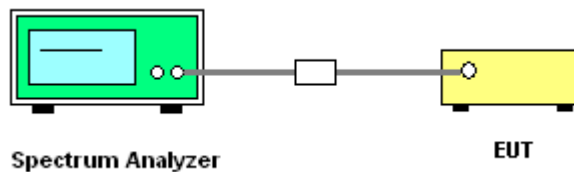
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

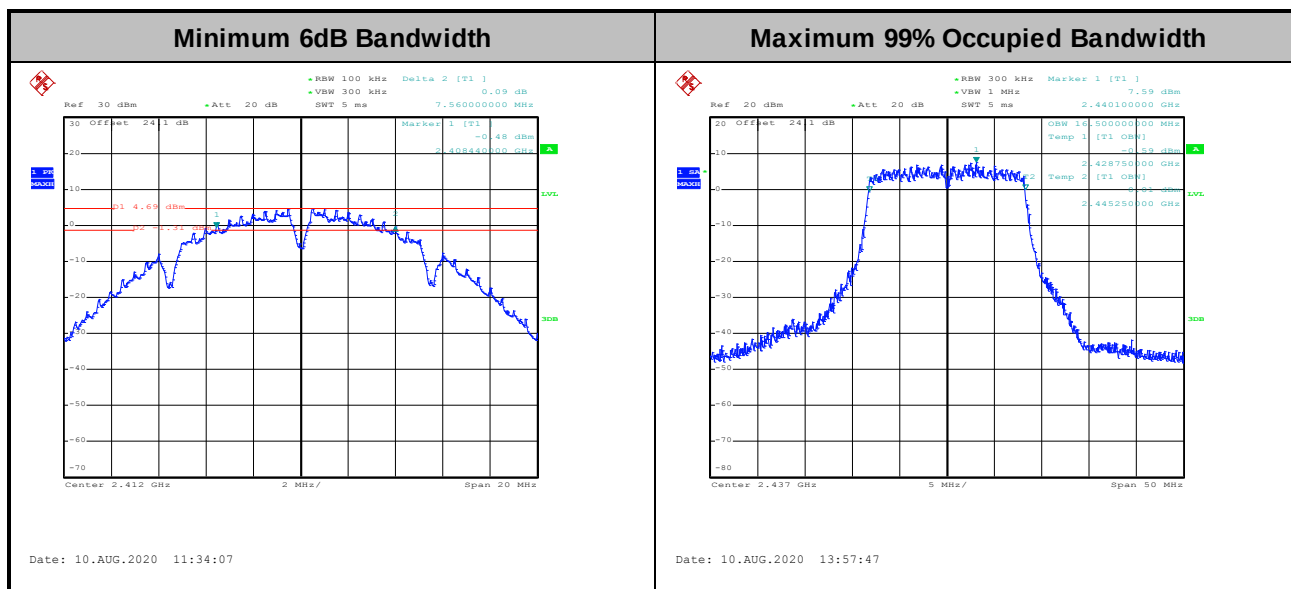
3.1.4 Test Setup





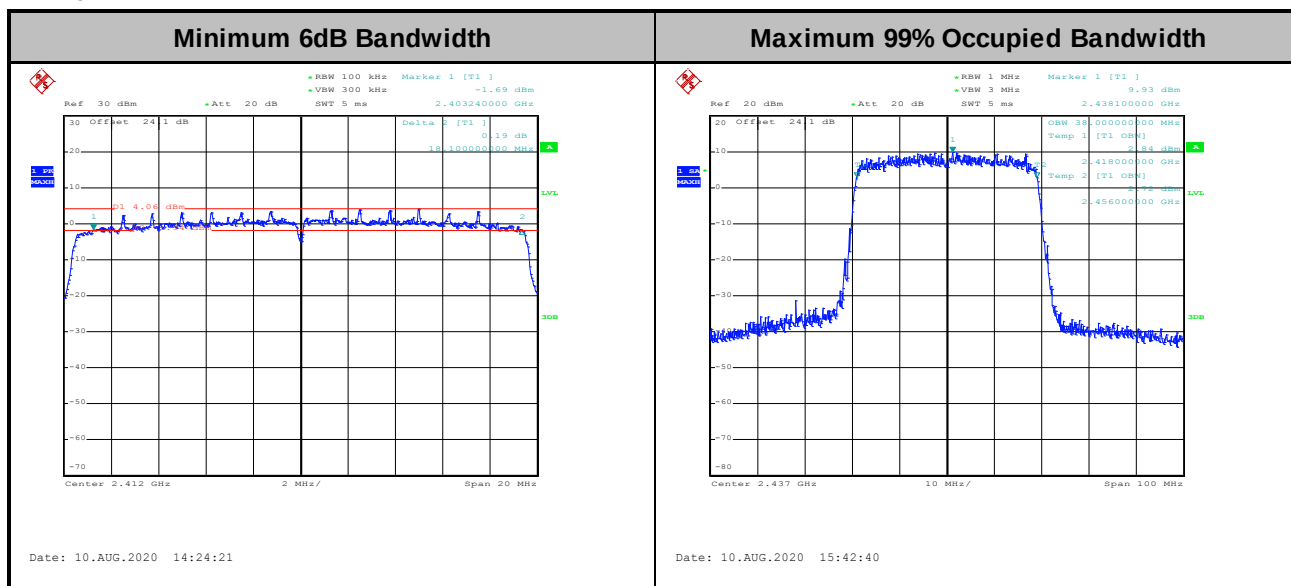
3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



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

<Fully Loaded RUs>



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.

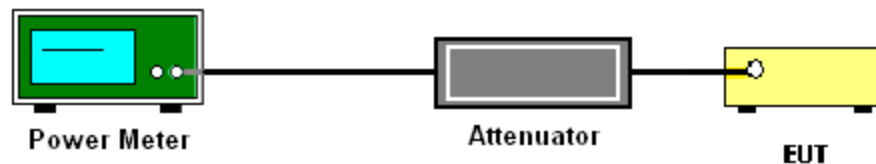
3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 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.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

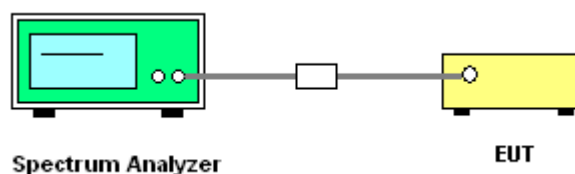
If measurements performed using method (2) plus $10 \log(N)$ exceeds the emission limit, the test should choose method (1) before declaring that the device fails the emission limit.

Method (1): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

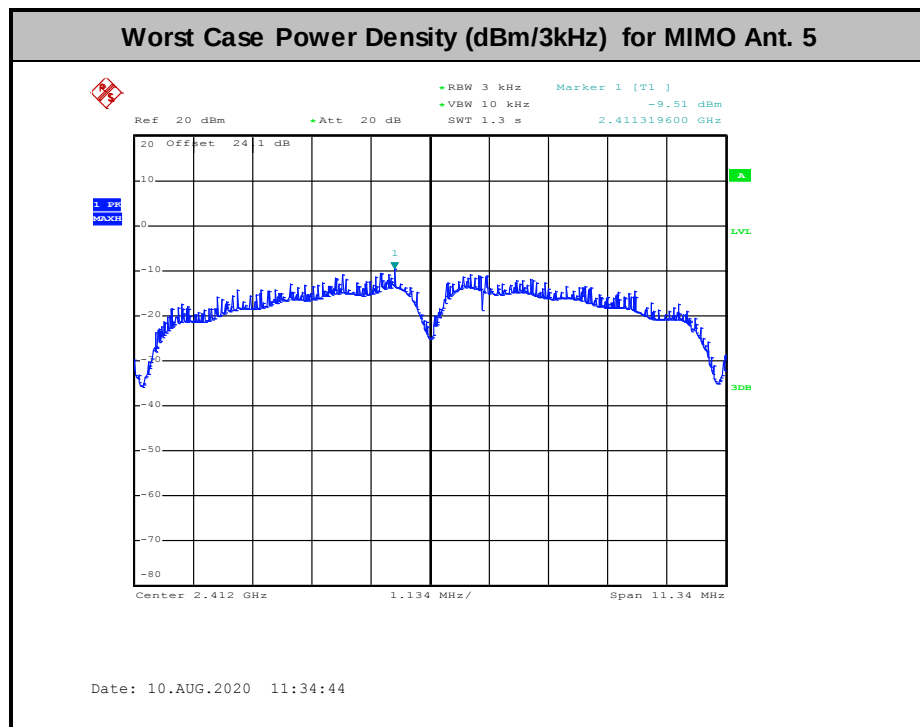
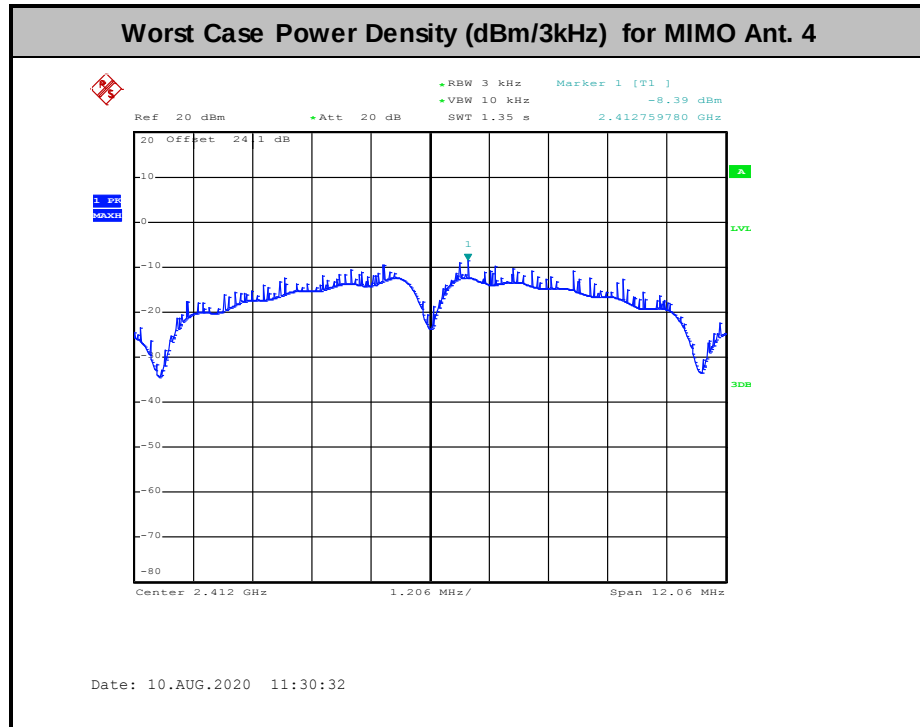
Method (2): Measure and add $10 \log(N)$ dB, where N is the number of outputs. (N=2)

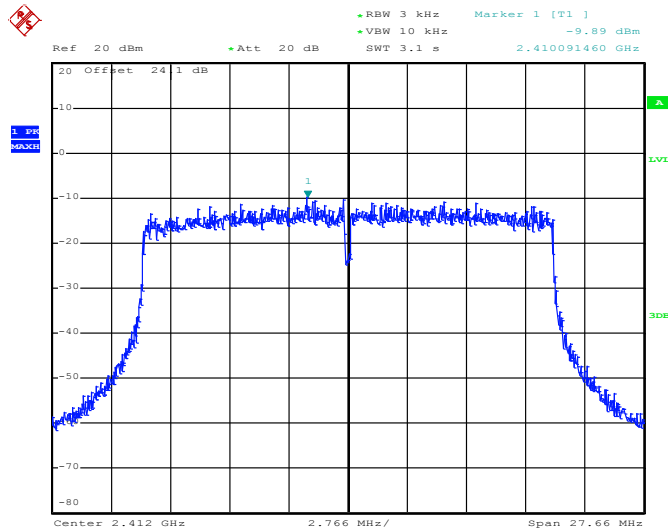
3.3.4 Test Setup



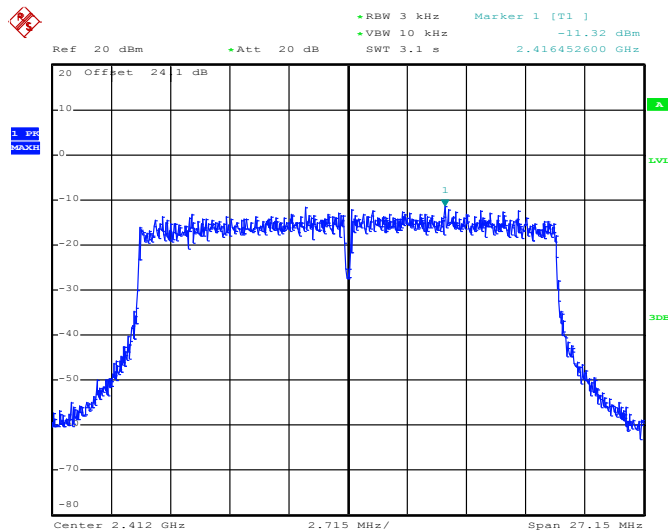
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



<Fully Loaded RUs>
Worst Case Power Density (dBm/3kHz) for MIMO Ant. 4


Date: 10.AUG.2020 14:18:02

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 5


Date: 10.AUG.2020 14:24:48

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.

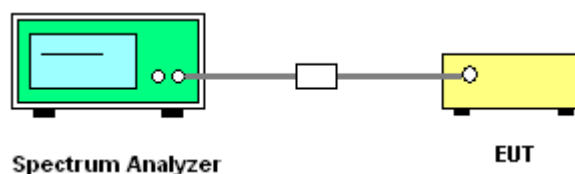
3.4.2 Measuring Instruments

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



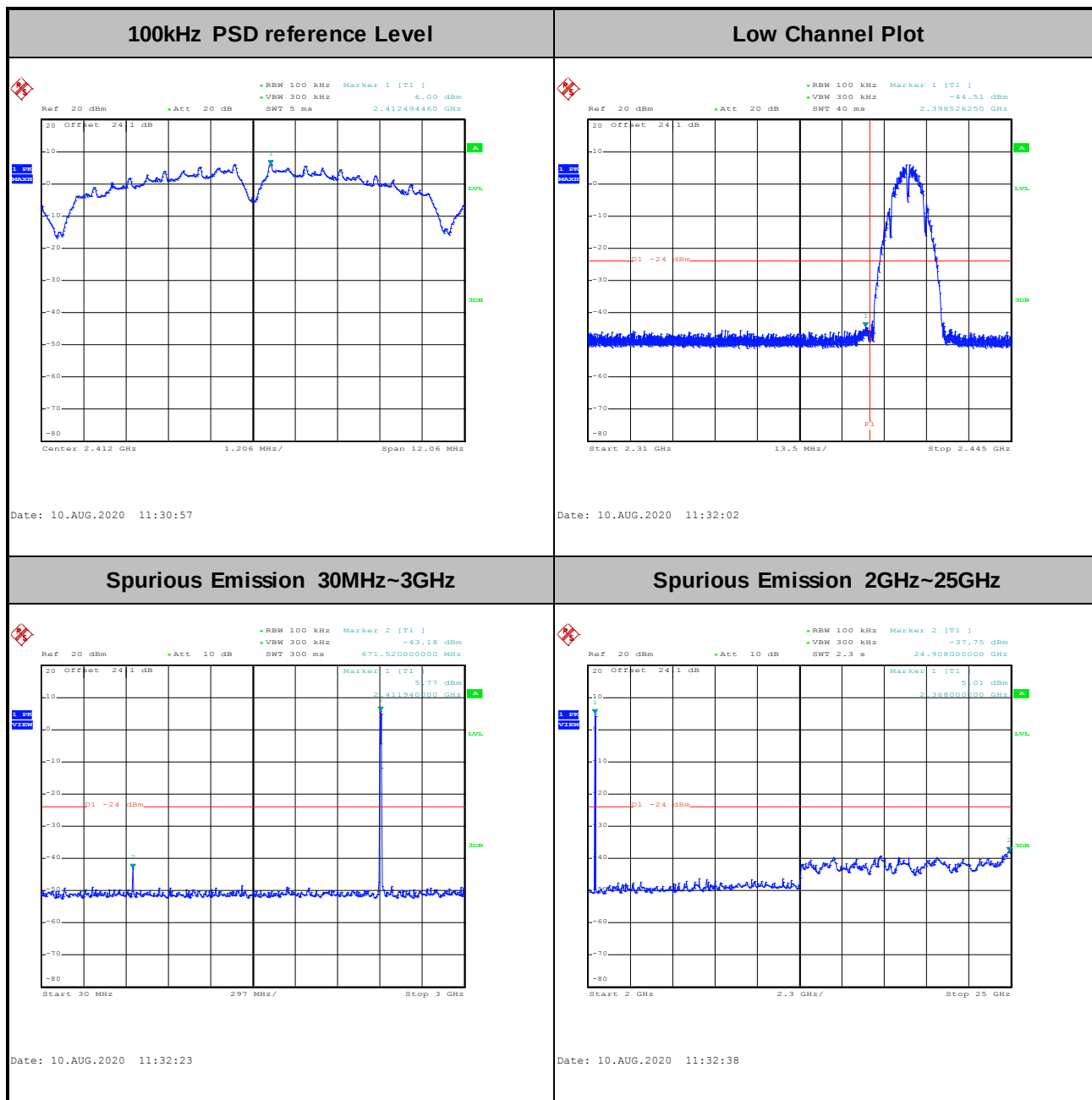


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Engineer :	Hank Hsu and Jacob Yu	Temperature :	23.5~24.3°C
		Relative Humidity :	49~55%

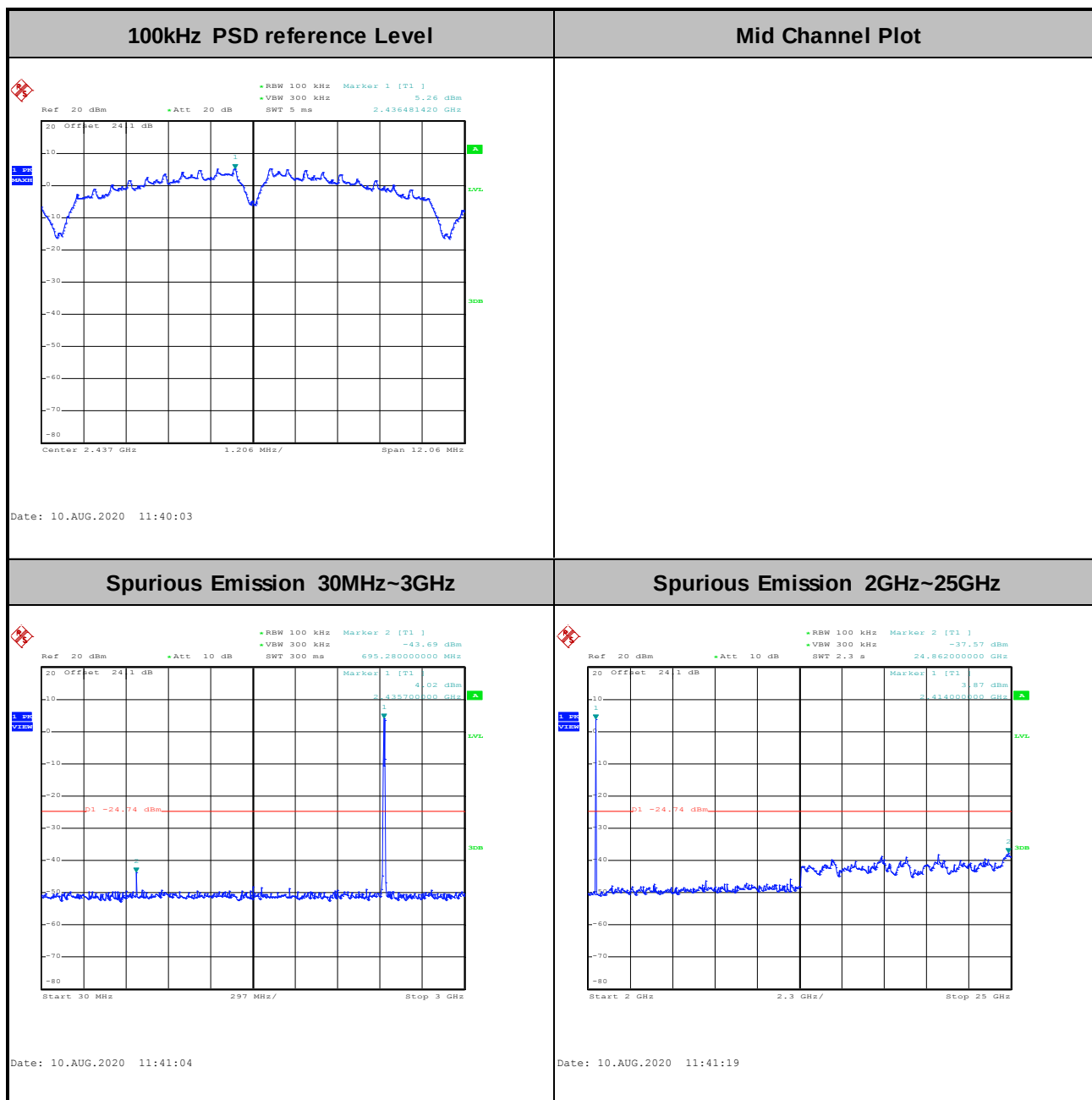
Number of TX = 2, Ant. 4 (Measured)

Test Mode :	802.11b	Test Channel :	01
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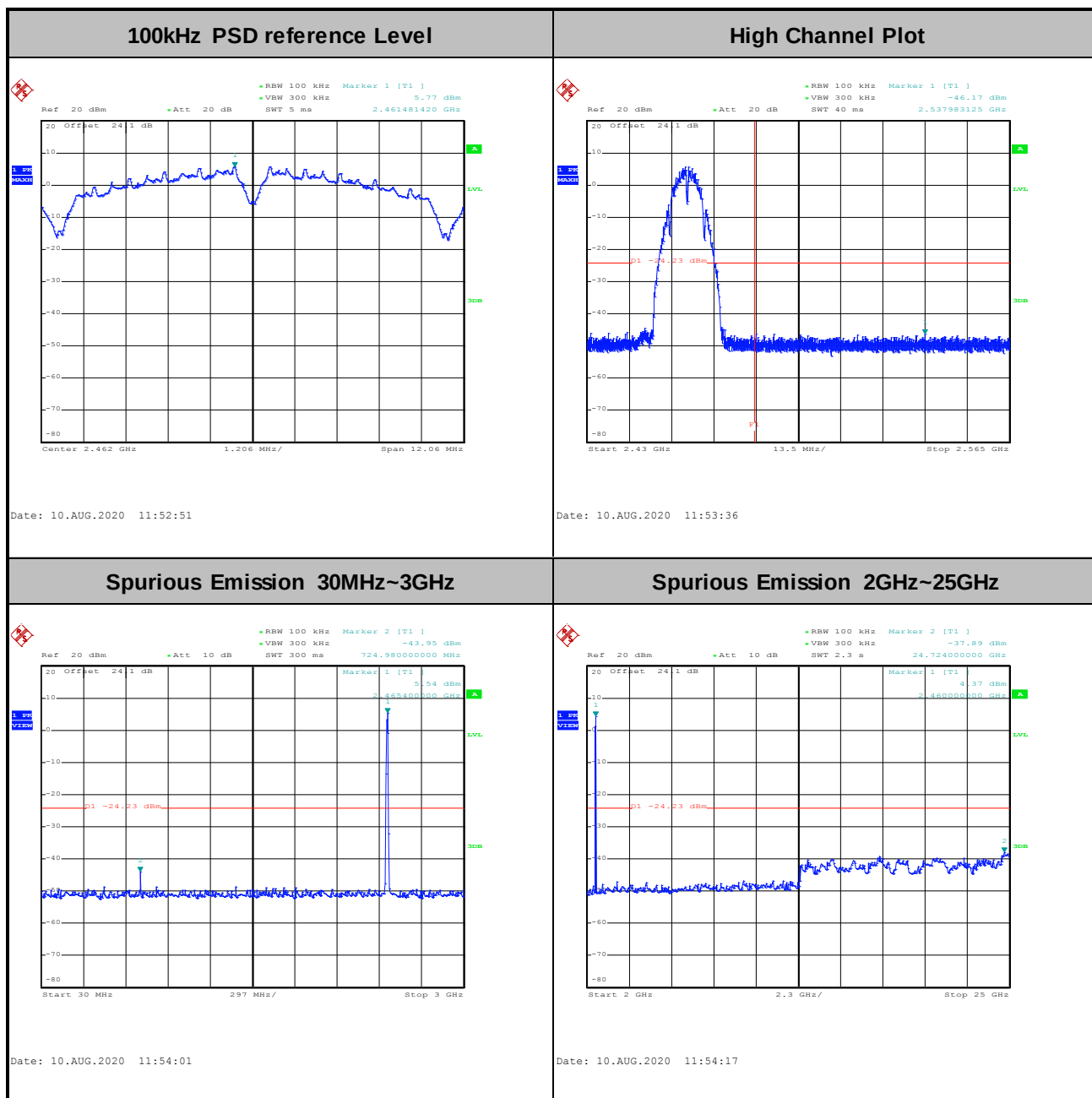


Test Mode :	802.11b	Test Channel :	06
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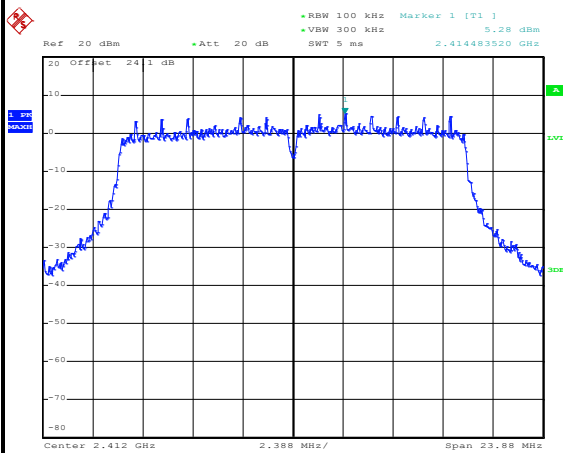
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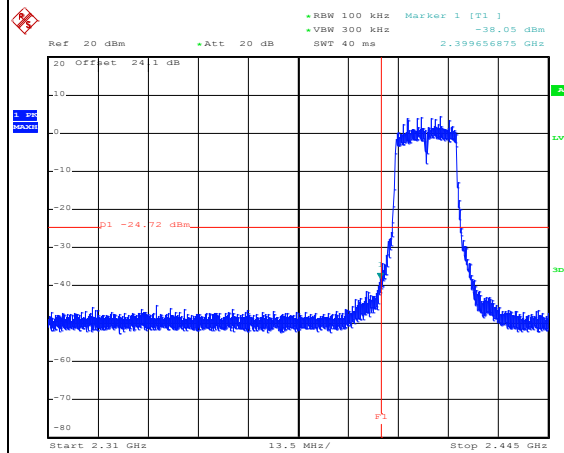
Test Mode :	802.11g	Test Channel :	01
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100kHz PSD reference Level



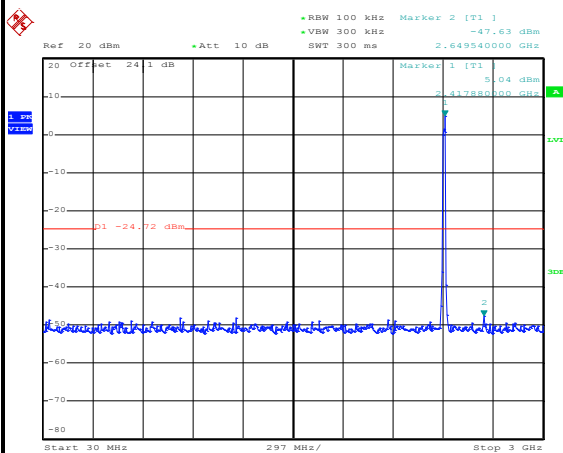
Date: 10.AUG.2020 12:08:41

Low Channel Plot



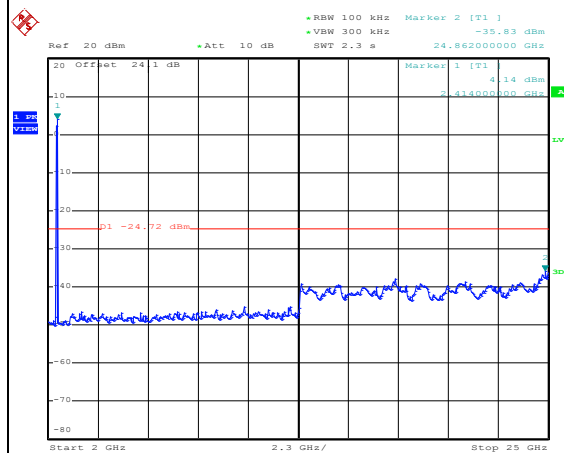
Date: 10.AUG.2020 12:09:17

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 12:10:29

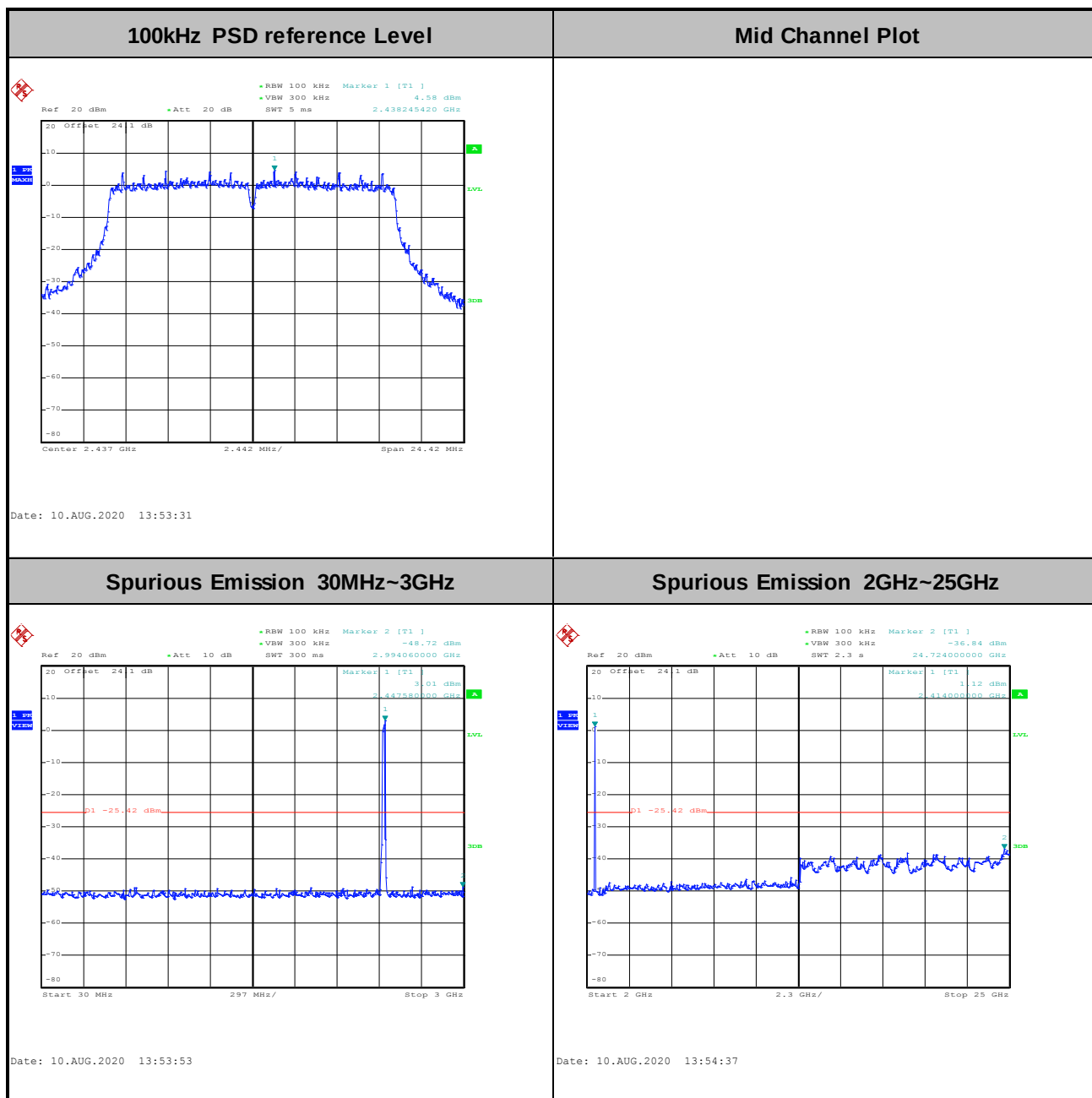
Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 12:12:52



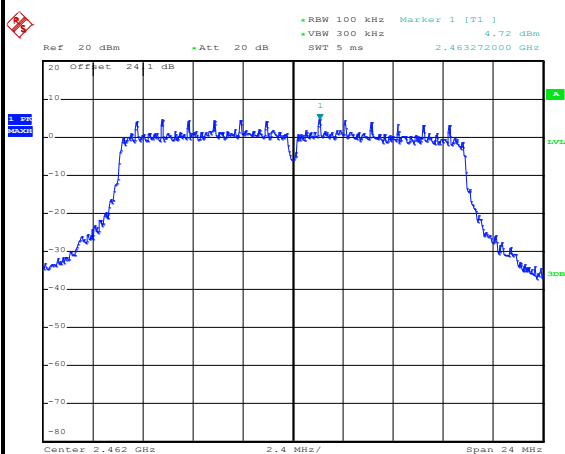
Test Mode :	802.11g	Test Channel :	06
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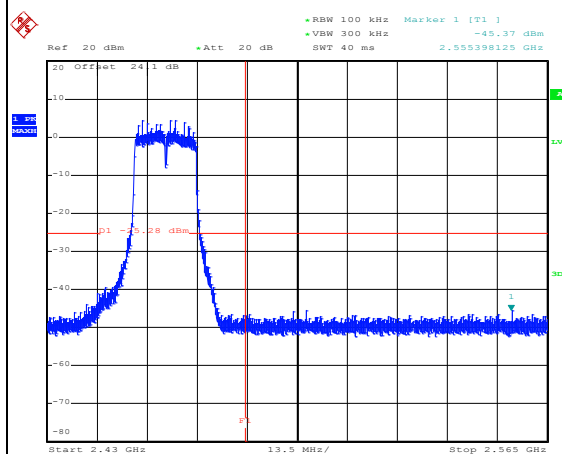
Test Mode :	802.11g	Test Channel :	11
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100kHz PSD reference Level



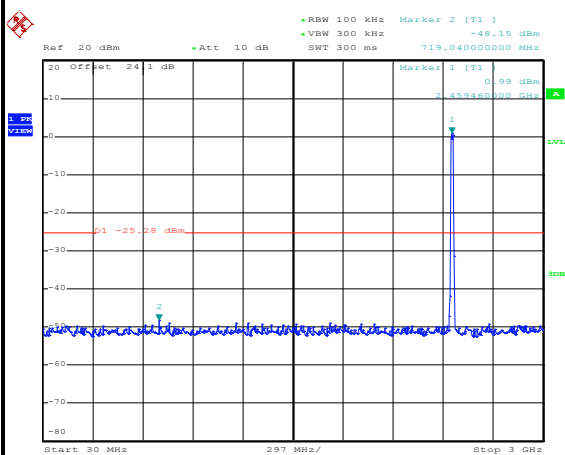
Date: 10.AUG.2020 14:00:45

High Channel Plot



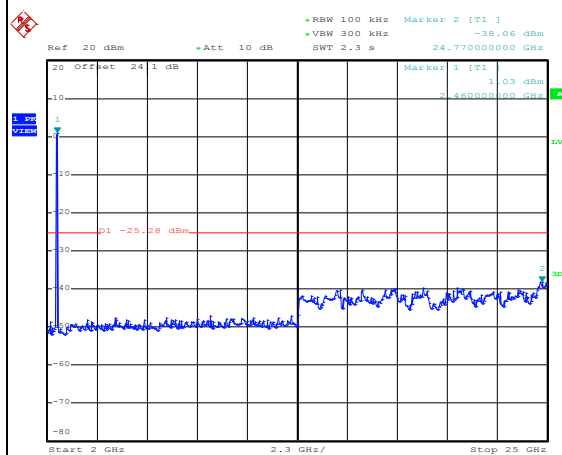
Date: 10.AUG.2020 14:01:25

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 14:01:44

Spurious Emission 2GHz~25GHz

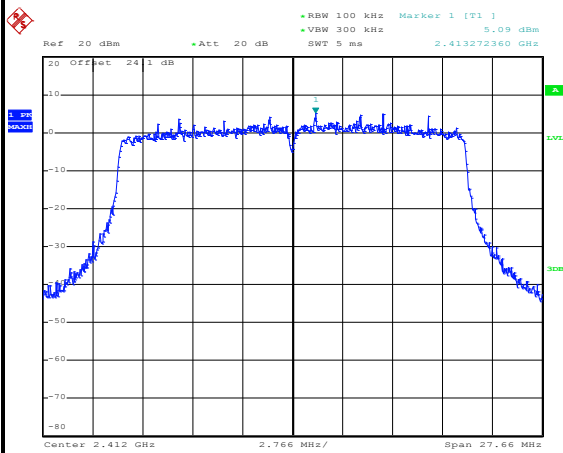


Date: 10.AUG.2020 14:02:21



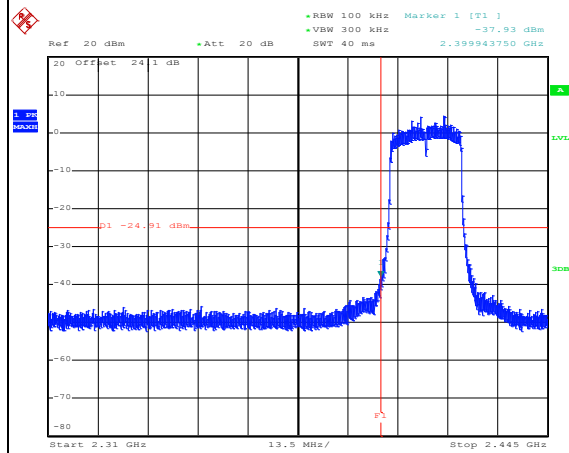
Test Mode :	802.11ax HE20 Full RU	Test Channel :	01
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100kHz PSD reference Level



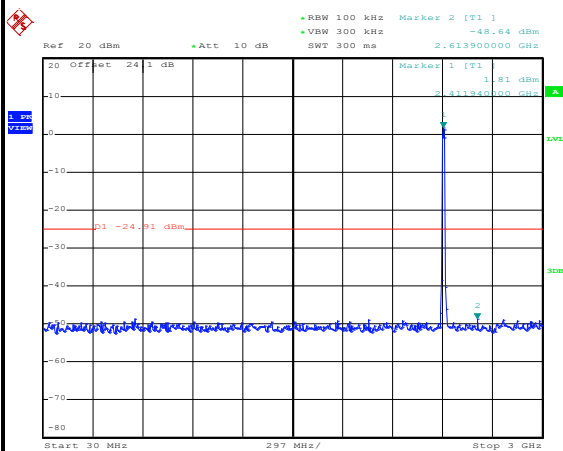
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Low Channel Plot



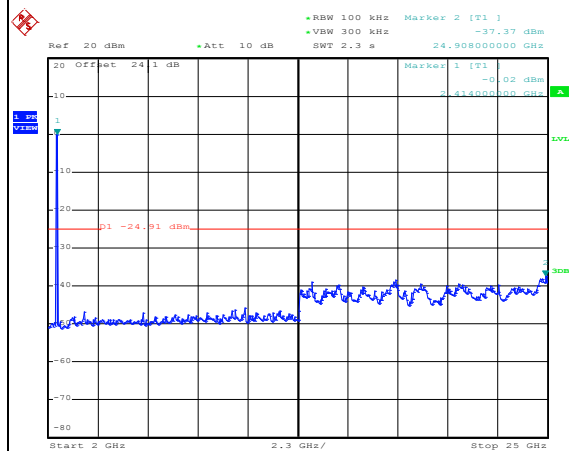
Date: 10.AUG.2020 14:18:45

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 14:19:44

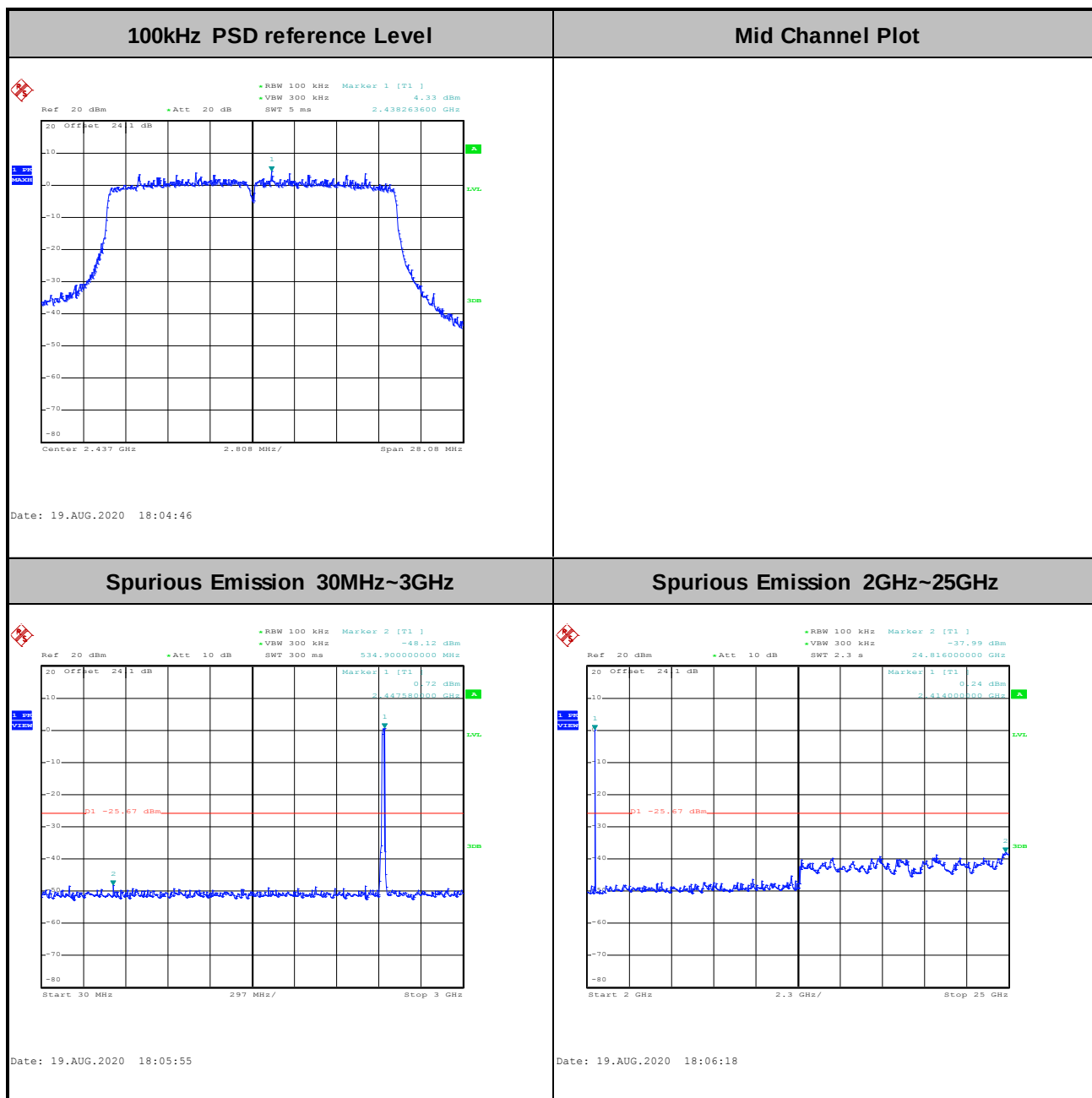
Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 14:20:00



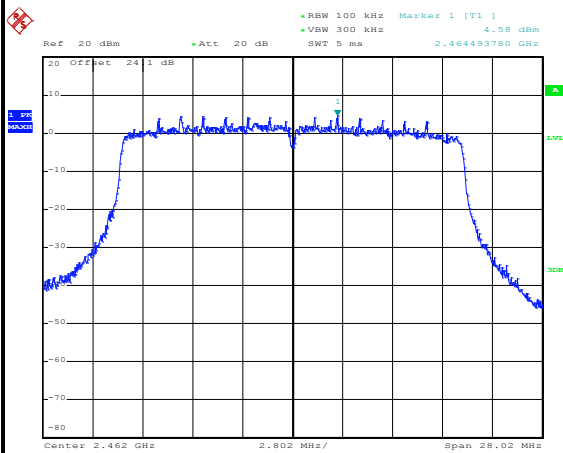
Test Mode :	802.11ax HE20 Full RU	Test Channel :	06
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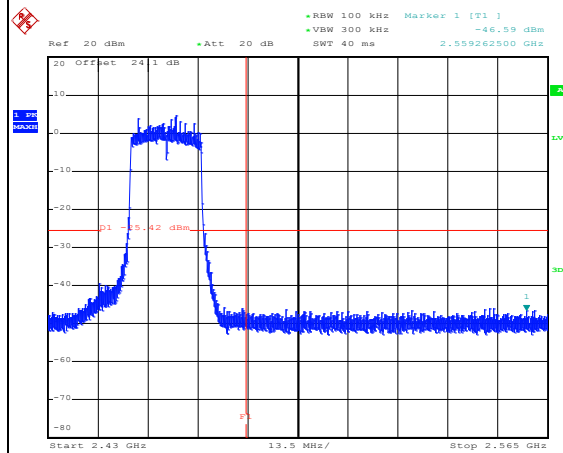
Test Mode :	802.11ax HE20 Full RU	Test Channel :	11
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100kHz PSD reference Level



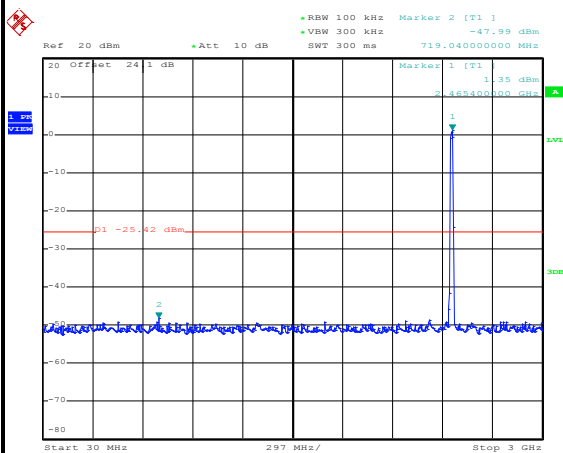
Date: 19.AUG.2020 19:02:46

High Channel Plot



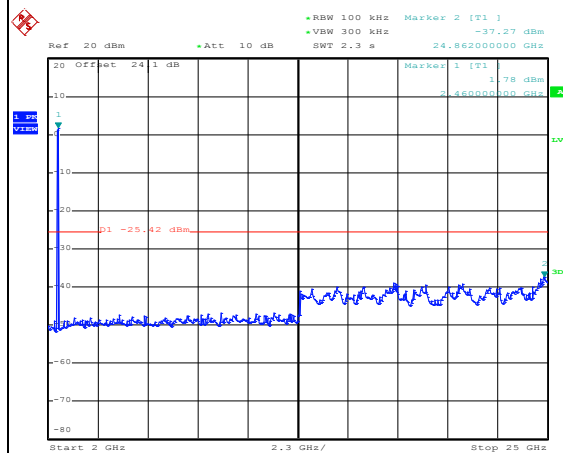
Date: 19.AUG.2020 19:06:56

Spurious Emission 30MHz~3GHz



Date: 19.AUG.2020 19:07:18

Spurious Emission 2GHz~25GHz

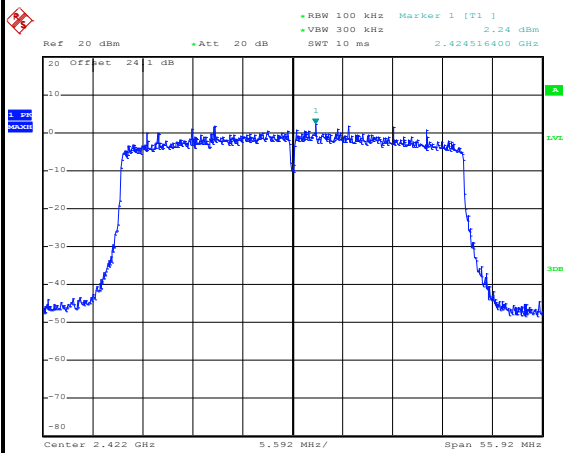


Date: 19.AUG.2020 19:07:42



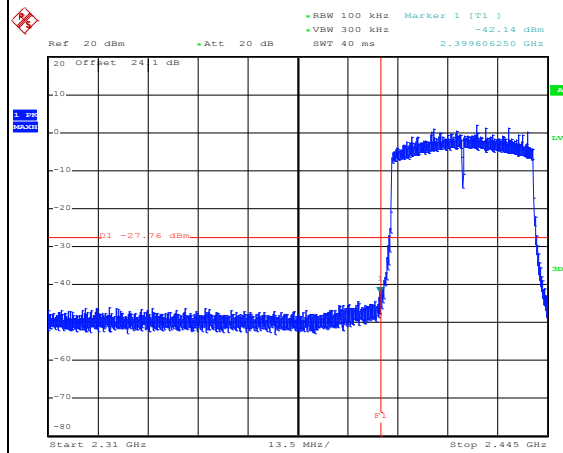
Test Mode :	802.11ax HE40 Full RU	Test Channel :	03
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100kHz PSD reference Level



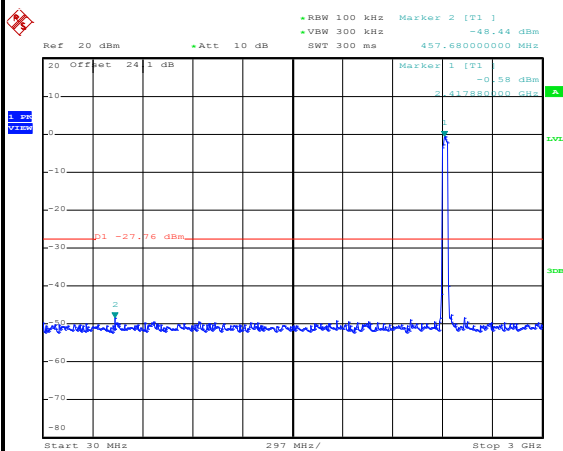
Date: 10.AUG.2020 15:15:44

Low Channel Plot



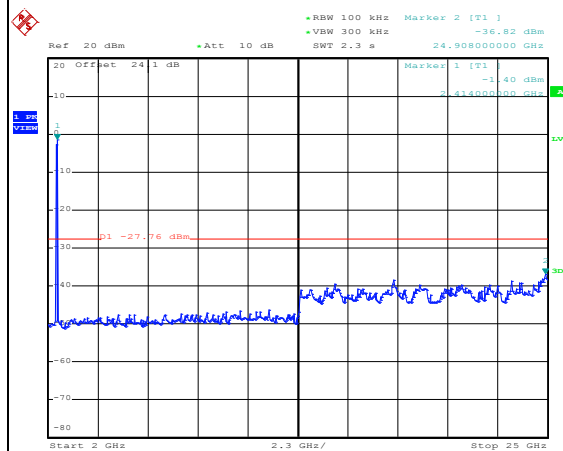
Date: 10.AUG.2020 15:16:01

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 15:16:17

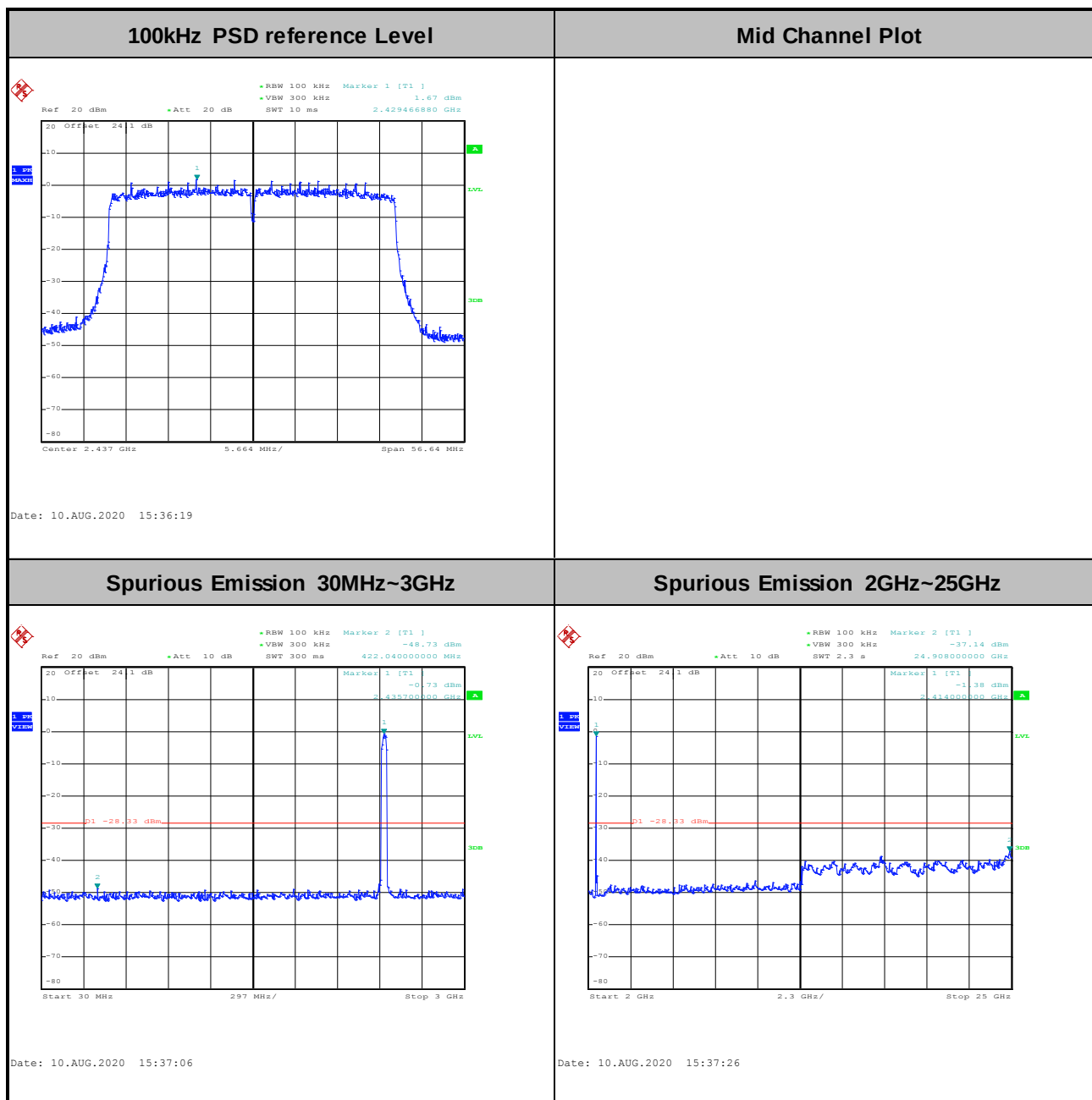
Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 15:16:31



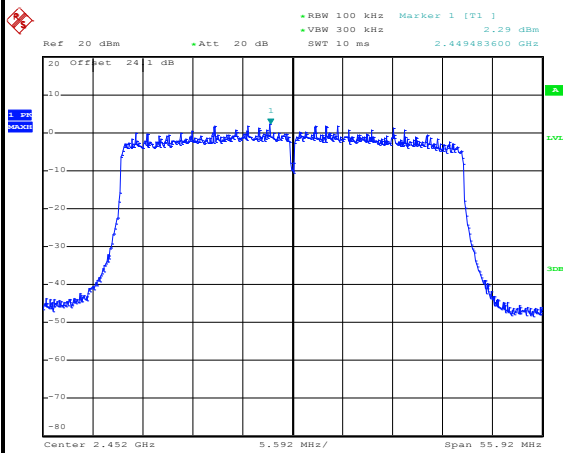
Test Mode :	802.11ax HE40 Full RU	Test Channel :	06
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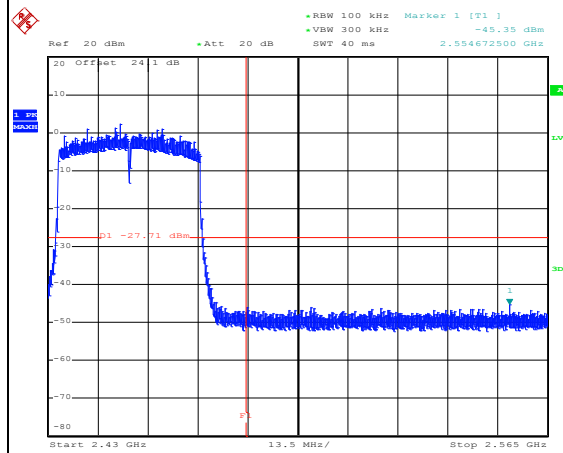
Test Mode :	802.11ax HE40 Full RU	Test Channel :	09
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100kHz PSD reference Level



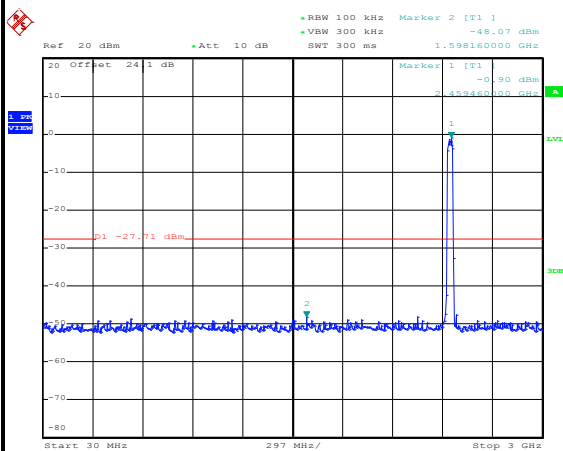
Date: 10.AUG.2020 15:47:45

High Channel Plot



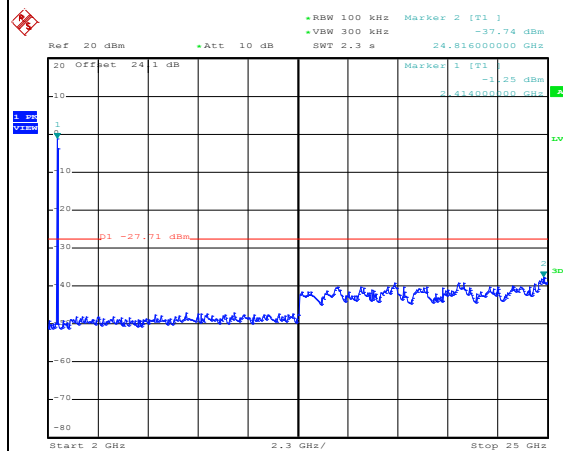
Date: 10.AUG.2020 15:48:07

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 15:48:49

Spurious Emission 2GHz~25GHz



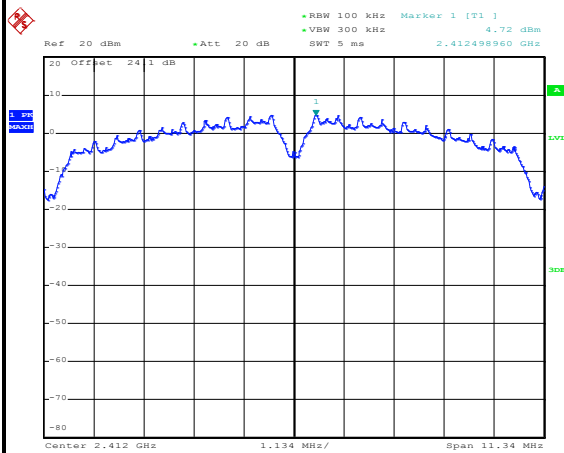
Date: 10.AUG.2020 15:49:04



Number of TX = 2, Ant. 5 (Measured)

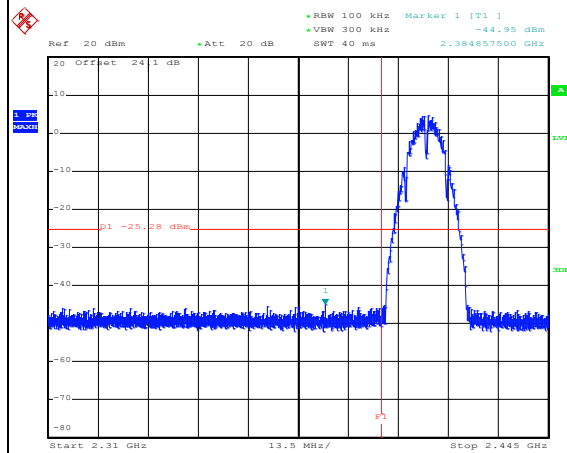
Test Mode :	802.11b	Test Channel :	01
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100kHz PSD reference Level



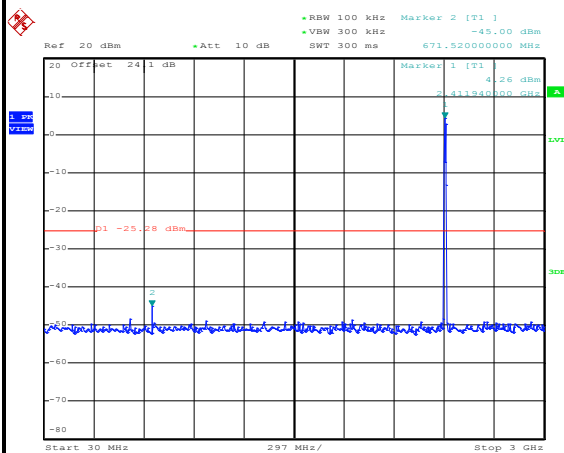
Date: 10.AUG.2020 11:35:25

Low Channel Plot



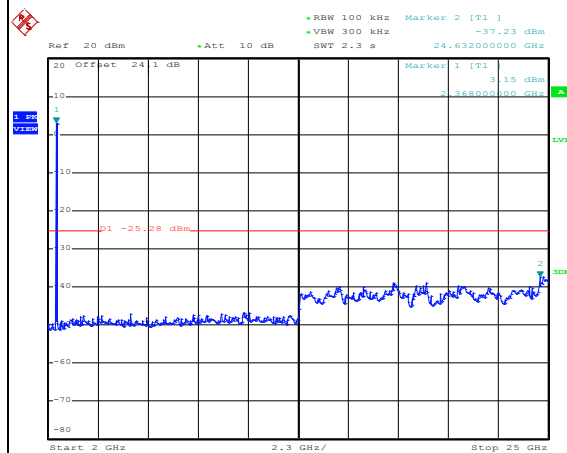
Date: 10.AUG.2020 11:36:01

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 11:36:21

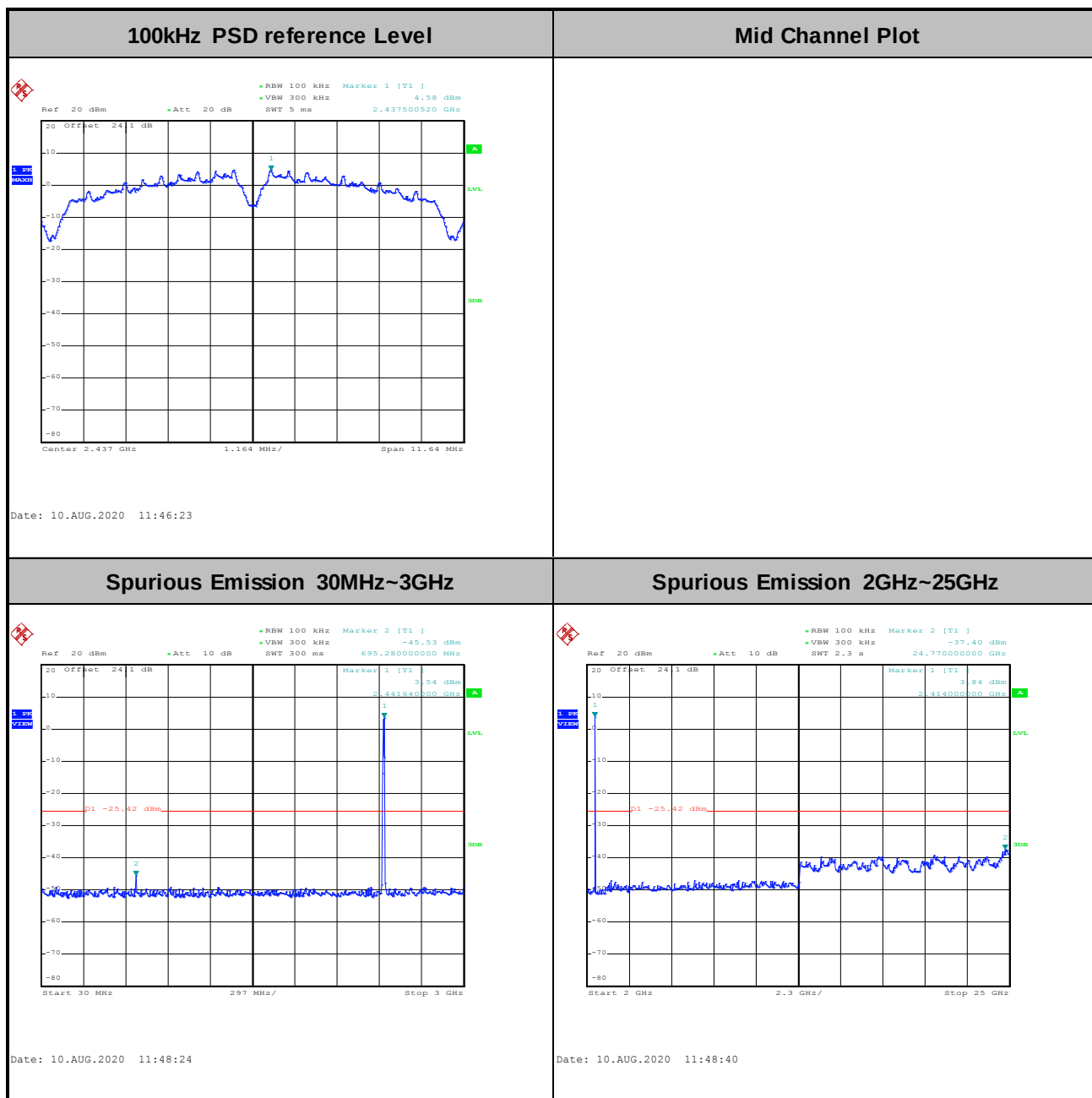
Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 11:36:35



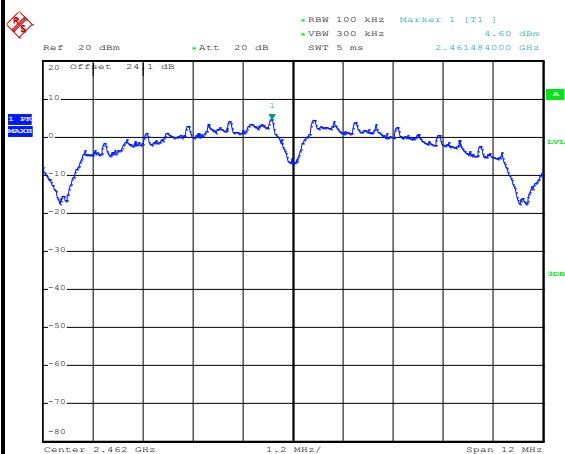
Test Mode :	802.11b	Test Channel :	06
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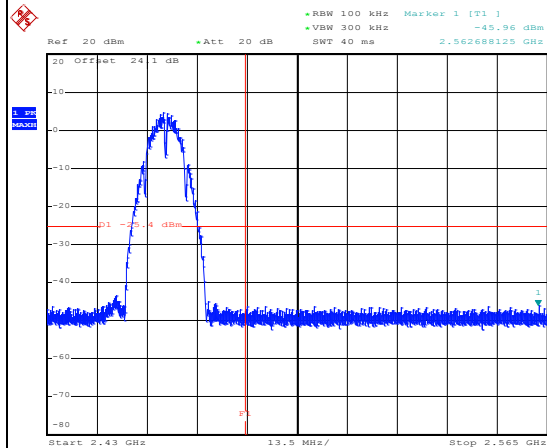
Test Mode :	802.11b	Test Channel :	11
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100kHz PSD reference Level



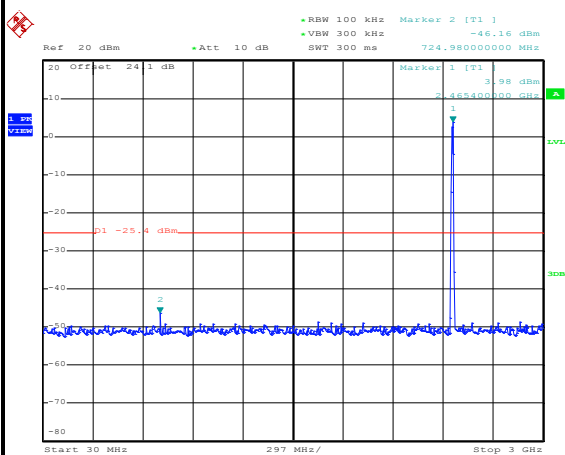
Date: 10.AUG.2020 11:58:03

High Channel Plot



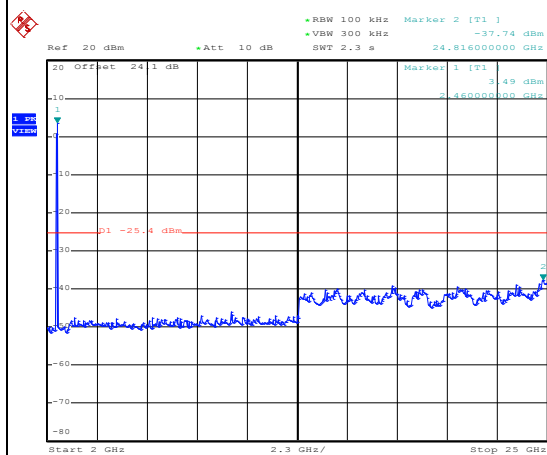
Date: 10.AUG.2020 11:59:12

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 11:59:45

Spurious Emission 2GHz~25GHz

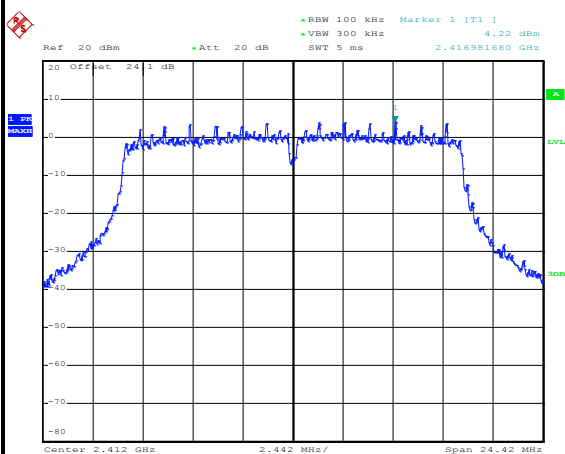


Date: 10.AUG.2020 12:00:01



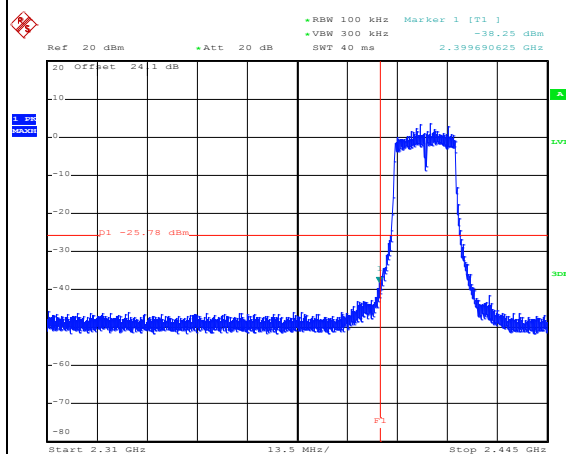
Test Mode :	802.11g	Test Channel :	01
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100kHz PSD reference Level



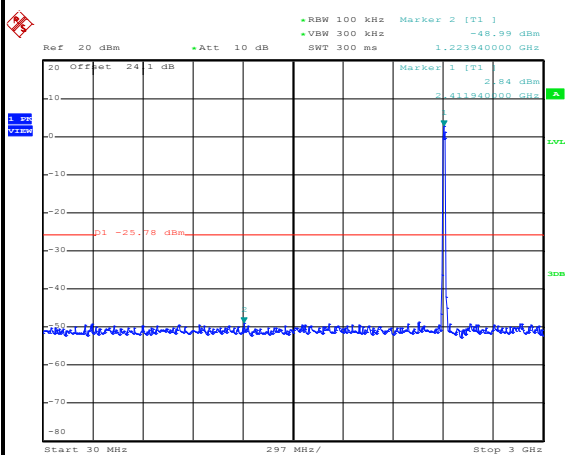
Date: 10.AUG.2020 13:48:39

Low Channel Plot



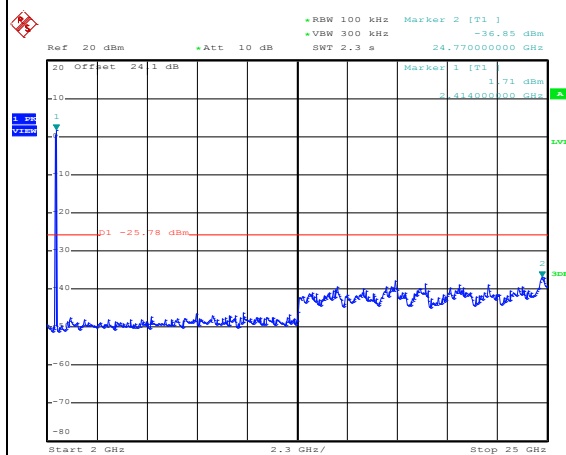
Date: 10.AUG.2020 13:49:17

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 13:49:37

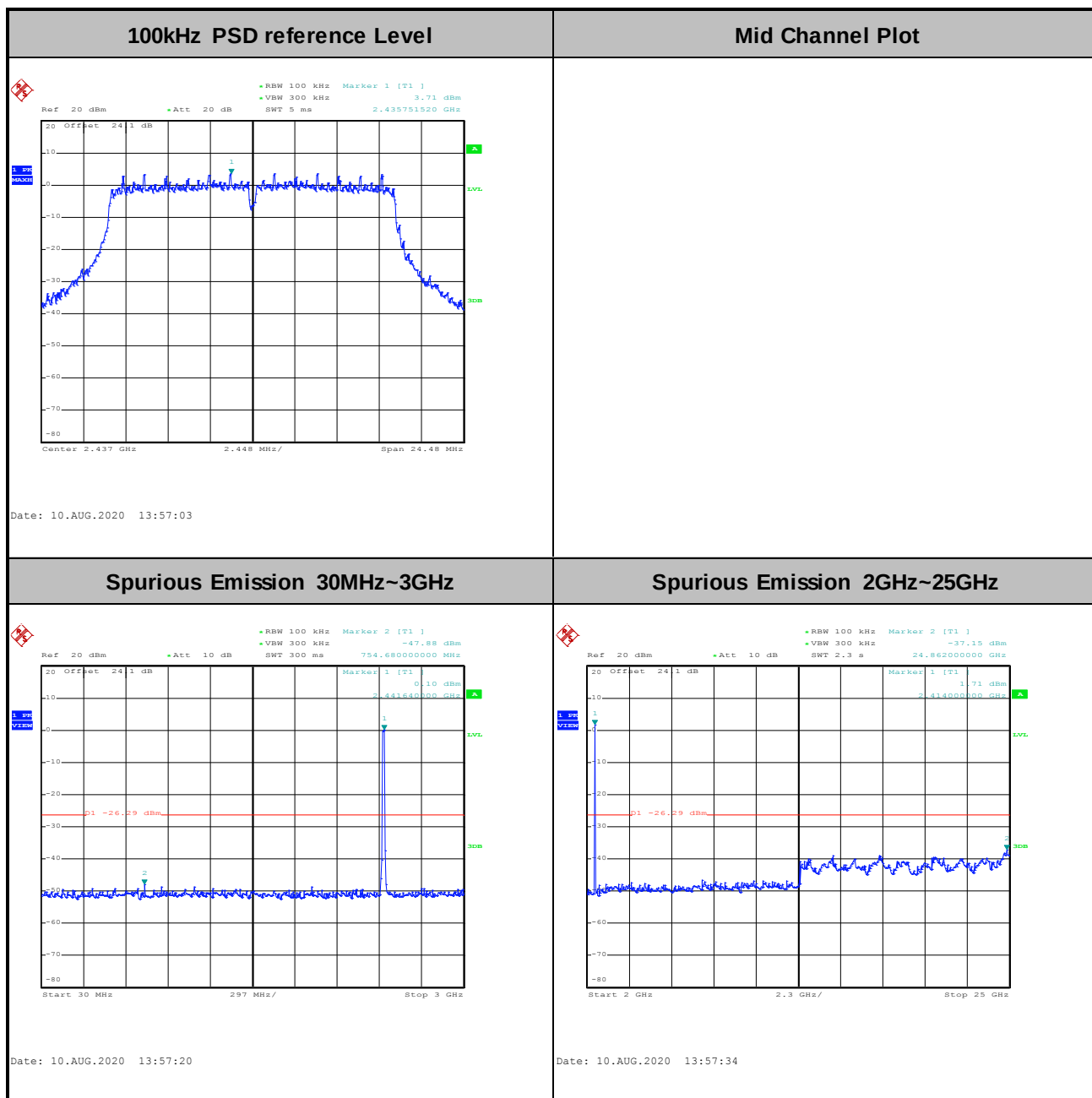
Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 13:49:52

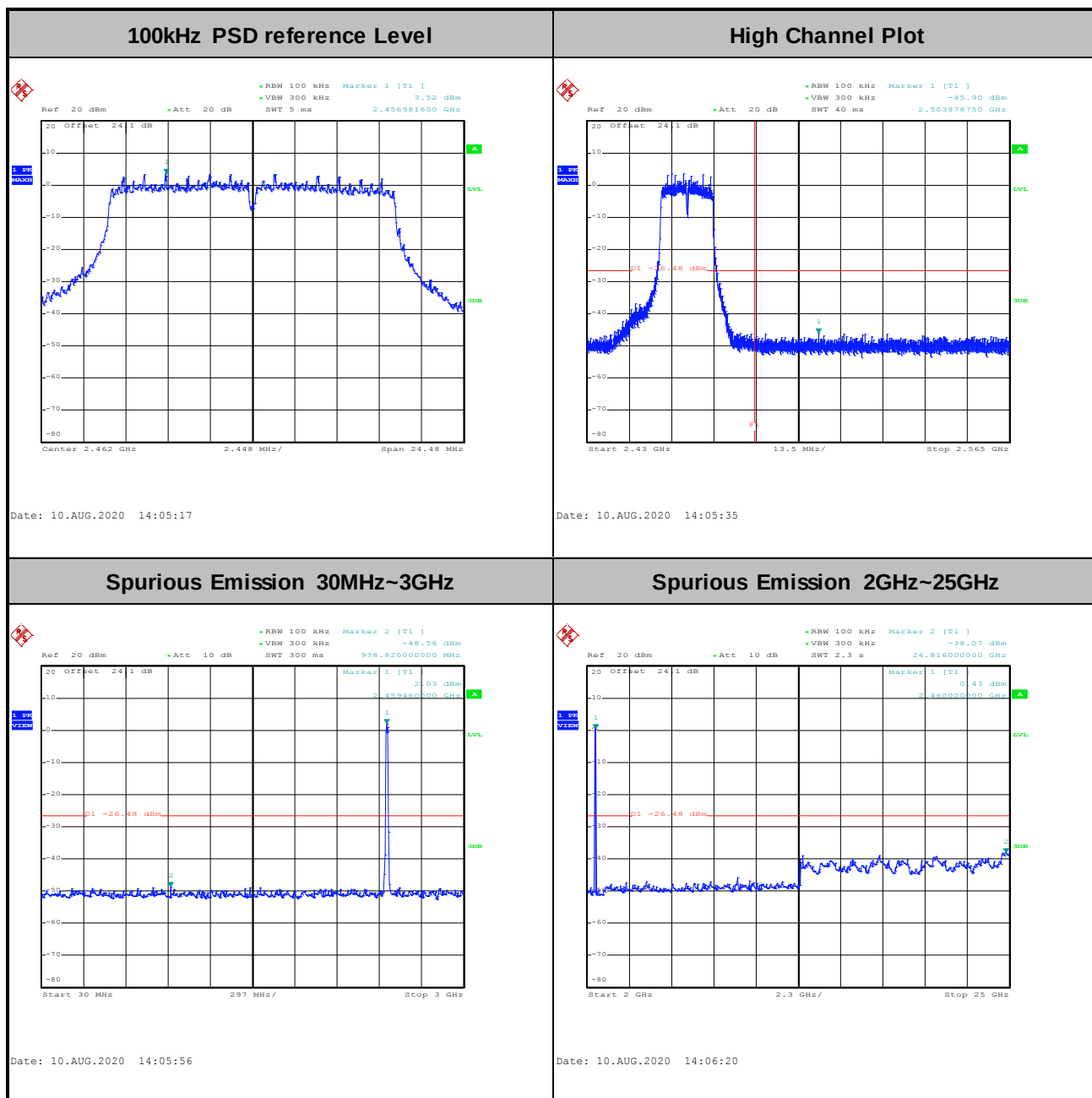


Test Mode :	802.11g	Test Channel :	06
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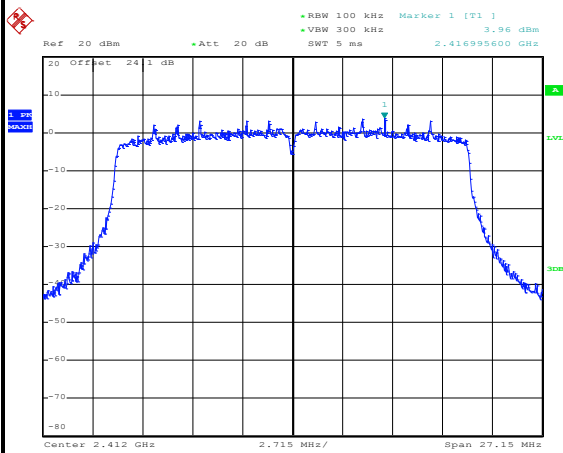
Test Mode :	802.11g	Test Channel :	11
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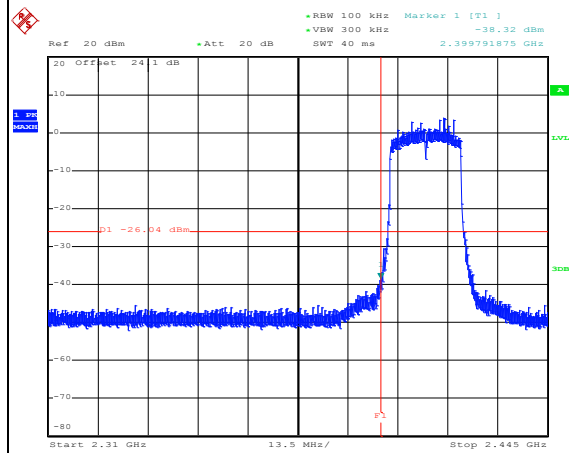
Test Mode :	802.11ax HE20 Full RU	Test Channel :	01
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100kHz PSD reference Level



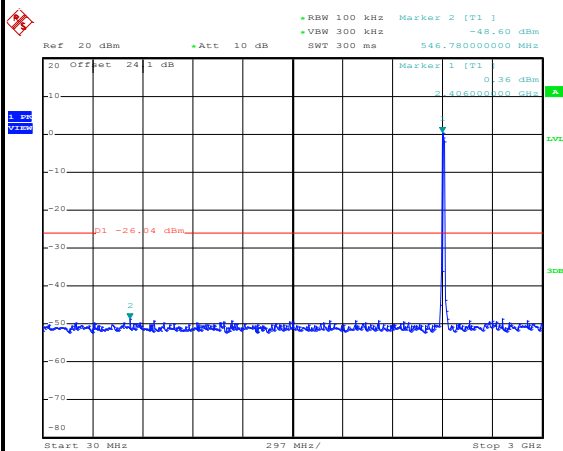
Date: 10.AUG.2020 14:25:15

Low Channel Plot



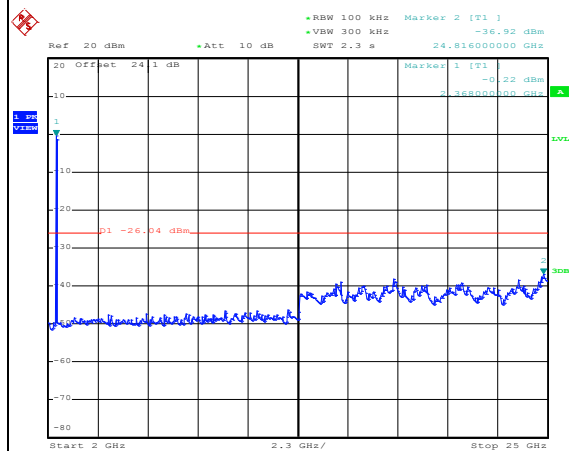
Date: 10.AUG.2020 14:25:41

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 14:25:59

Spurious Emission 2GHz~25GHz

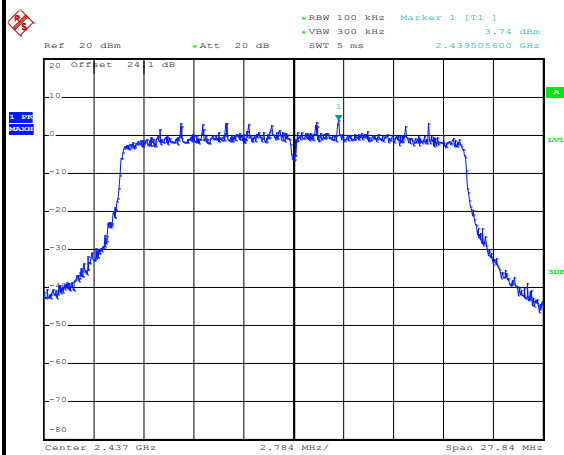


Date: 10.AUG.2020 14:26:13



Test Mode :	802.11ax HE20 Full RU	Test Channel :	06
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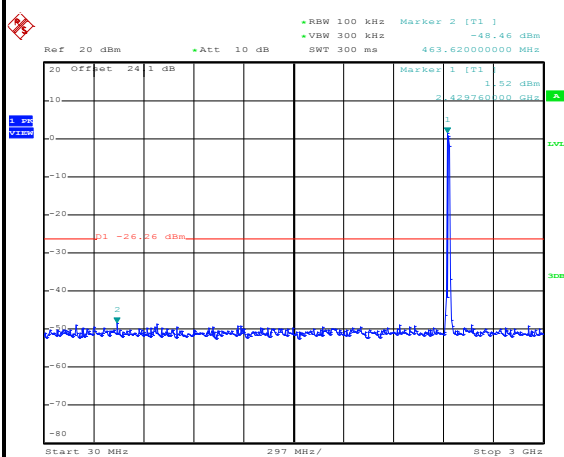
100kHz PSD reference Level



Date: 19.AUG.2020 18:12:06

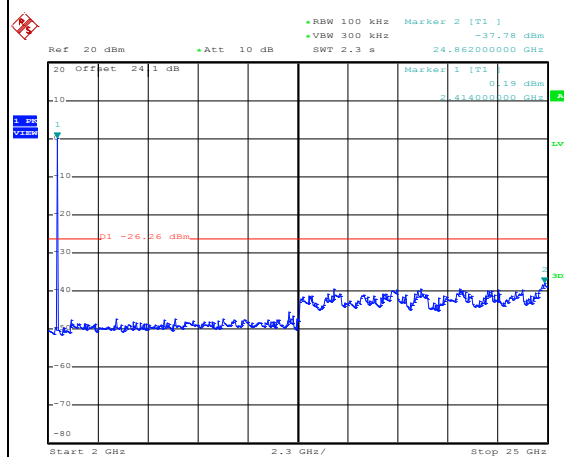
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 19.AUG.2020 18:12:26

Spurious Emission 2GHz~25GHz

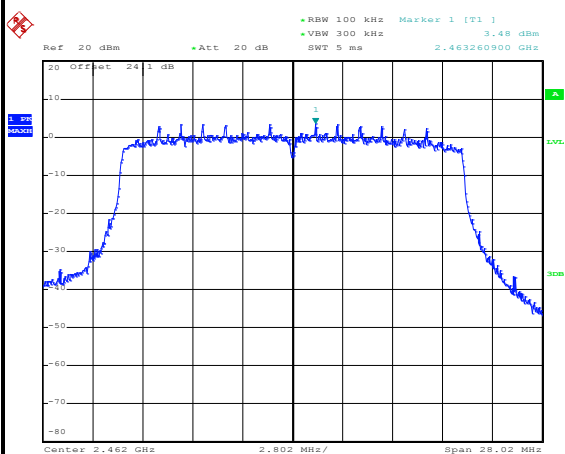


Date: 19.AUG.2020 18:12:41



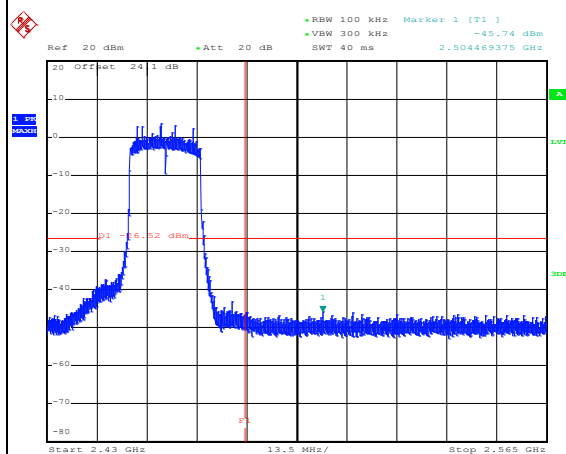
Test Mode :	802.11ax HE20 Full RU	Test Channel :	11
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100kHz PSD reference Level



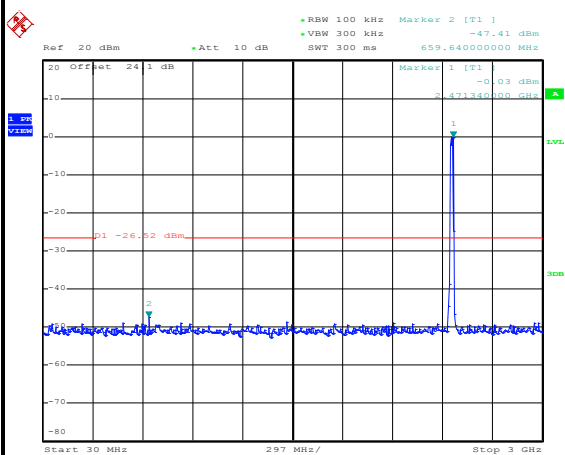
Date: 19.AUG.2020 19:11:29

High Channel Plot



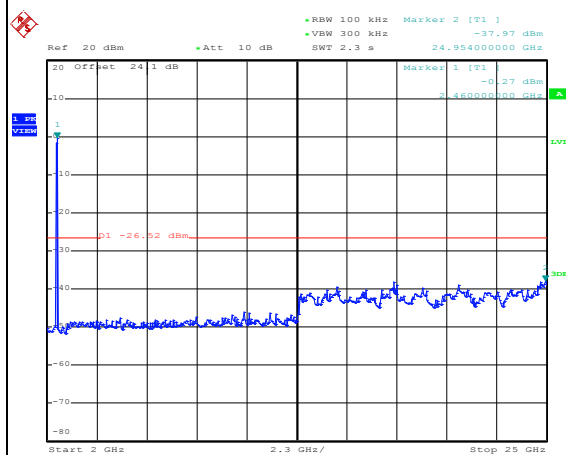
Date: 19.AUG.2020 19:12:06

Spurious Emission 30MHz~3GHz



Date: 19.AUG.2020 19:12:26

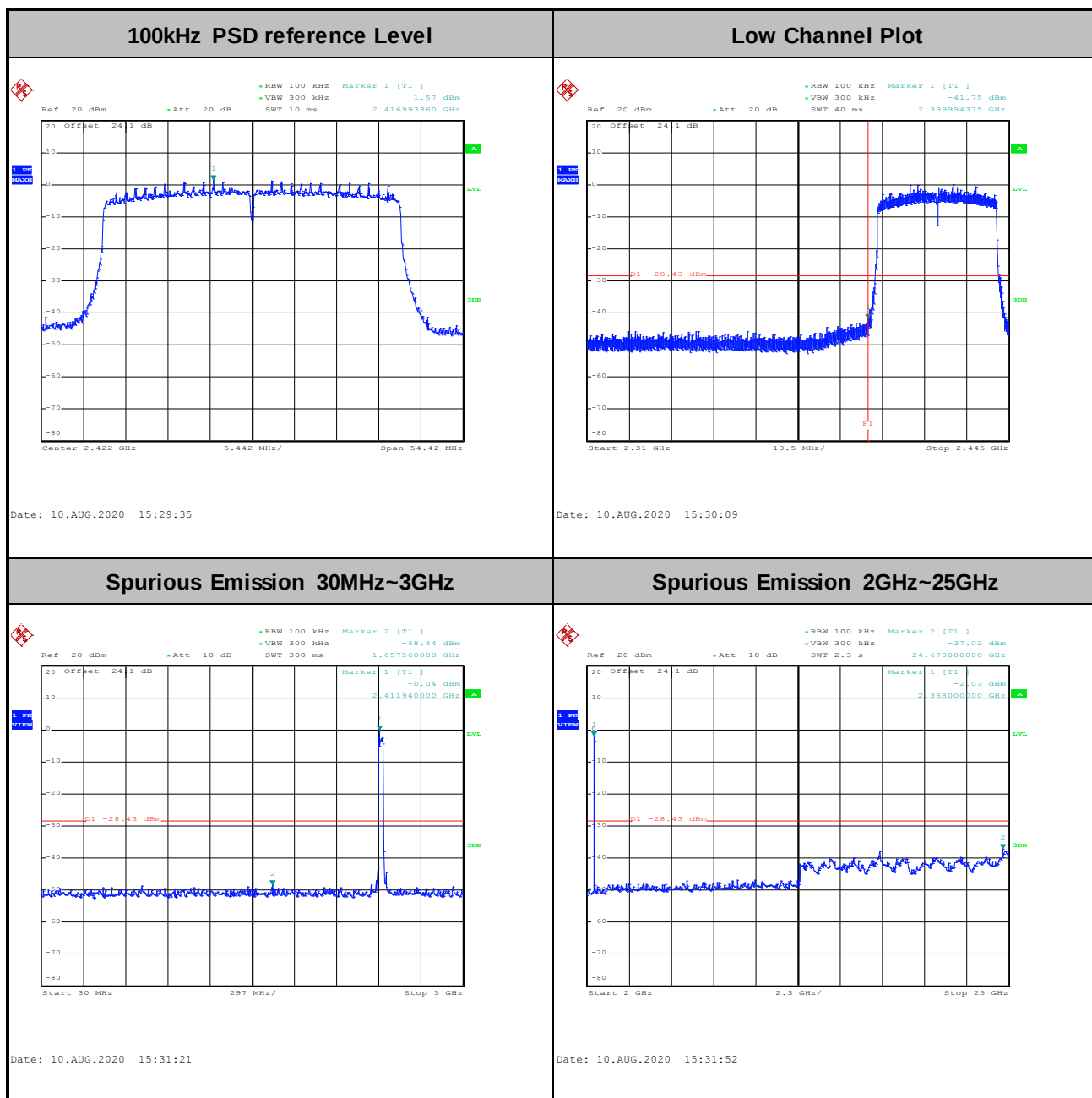
Spurious Emission 2GHz~25GHz



Date: 19.AUG.2020 19:12:43

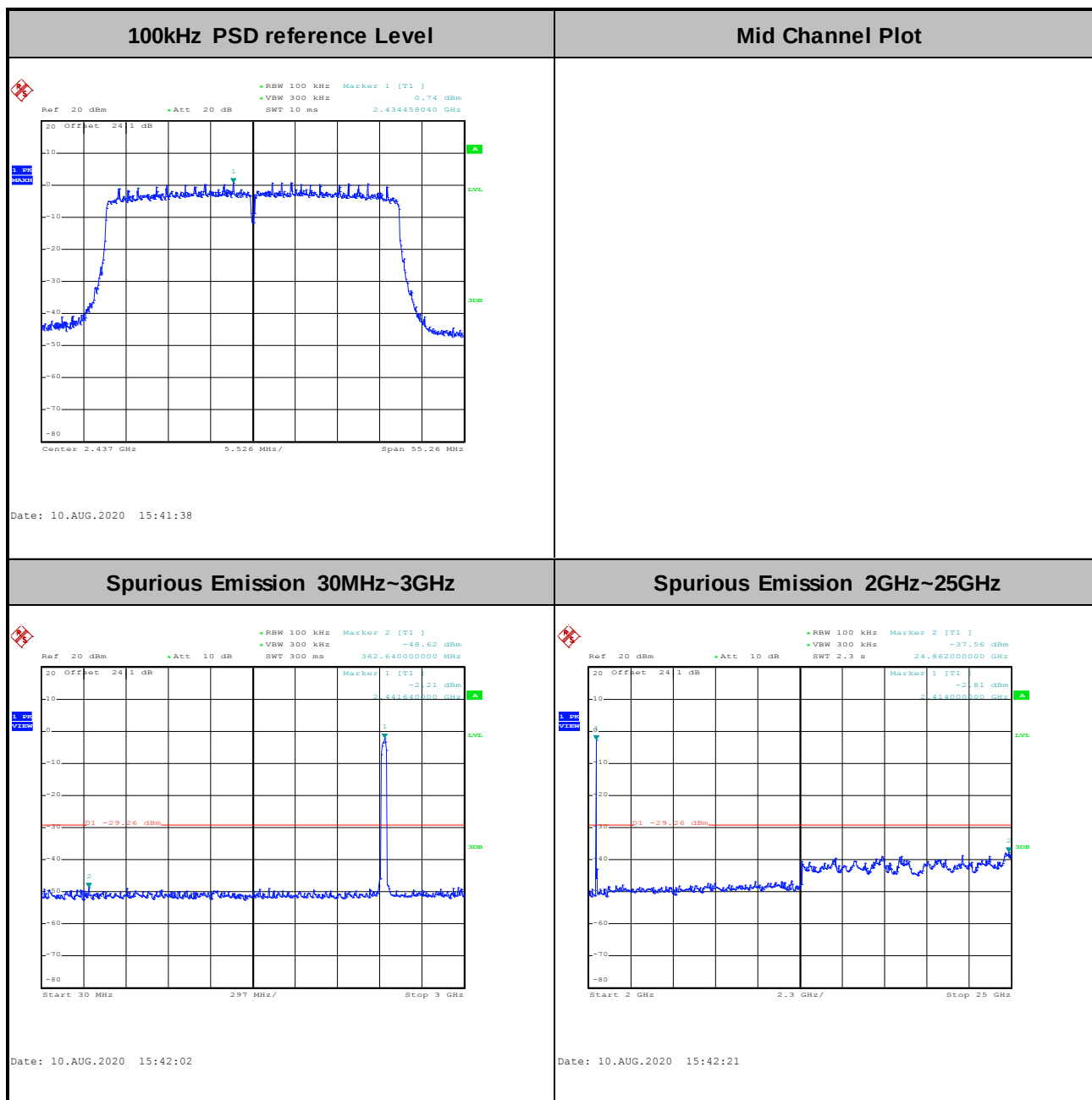


Test Mode :	802.11ax HE40 Full RU	Test Channel :	03
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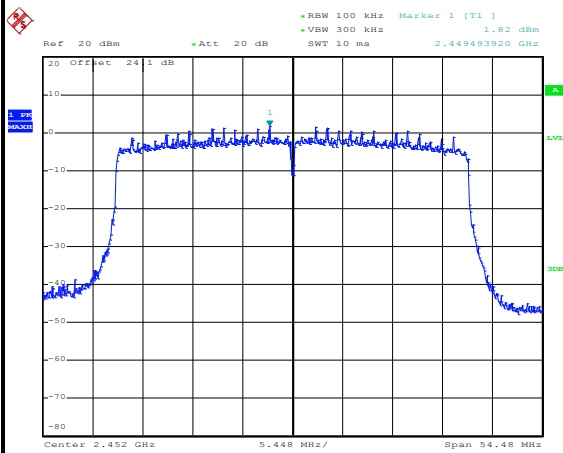
Test Mode :	802.11ax HE40 Full RU	Test Channel :	06
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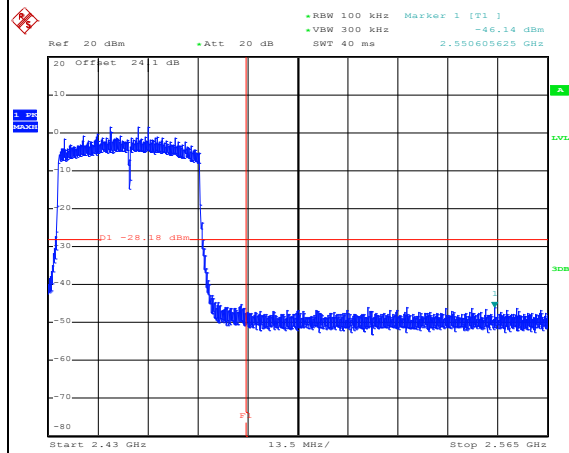
Test Mode :	802.11ax HE40 Full RU	Test Channel :	09
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100kHz PSD reference Level



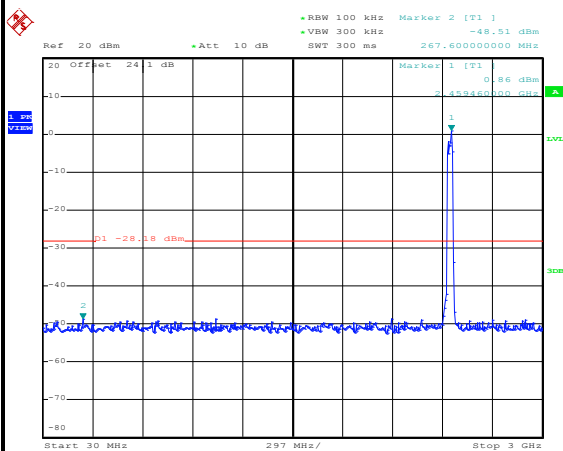
Date: 10.AUG.2020 15:52:03

High Channel Plot



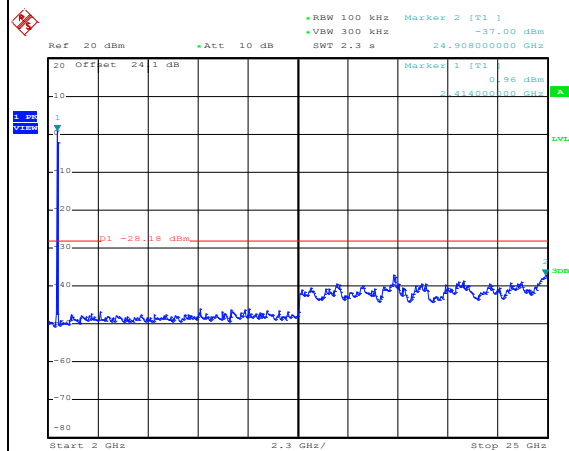
Date: 10.AUG.2020 15:52:22

Spurious Emission 30MHz~3GHz



Date: 10.AUG.2020 15:52:42

Spurious Emission 2GHz~25GHz



Date: 10.AUG.2020 15:53:38

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.

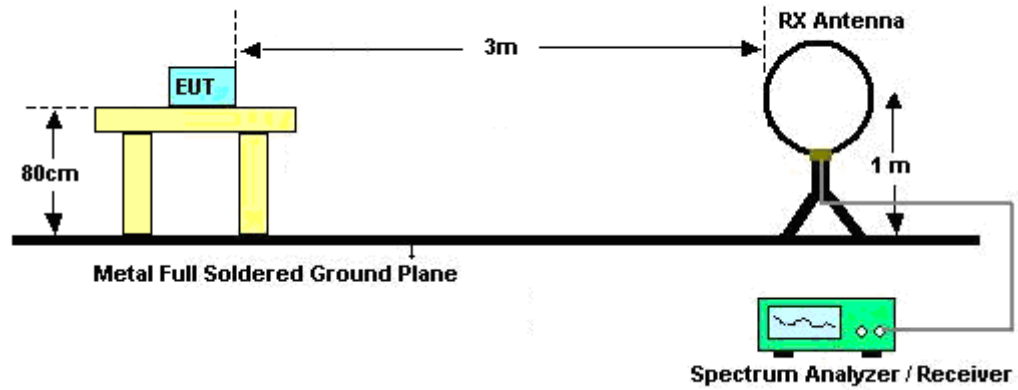


3.5.3 Test Procedures

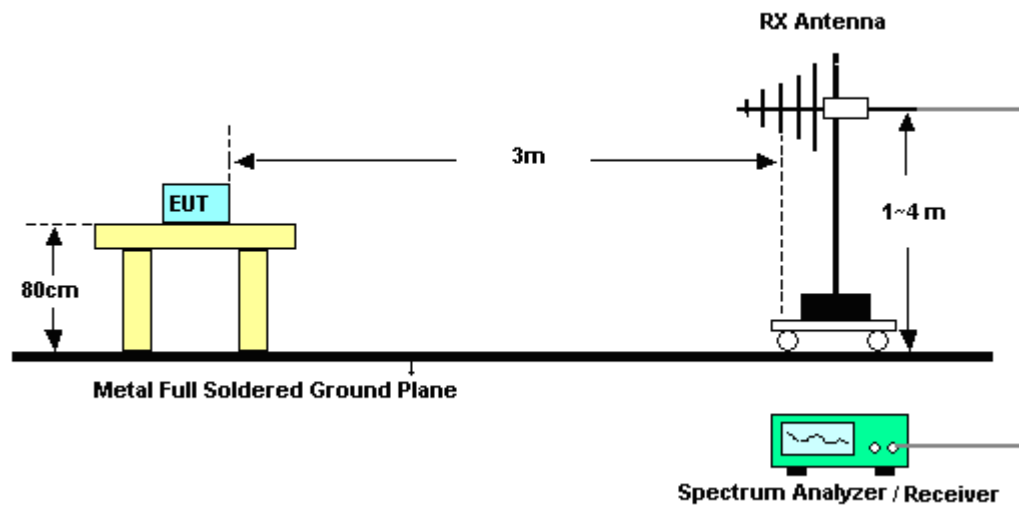
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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

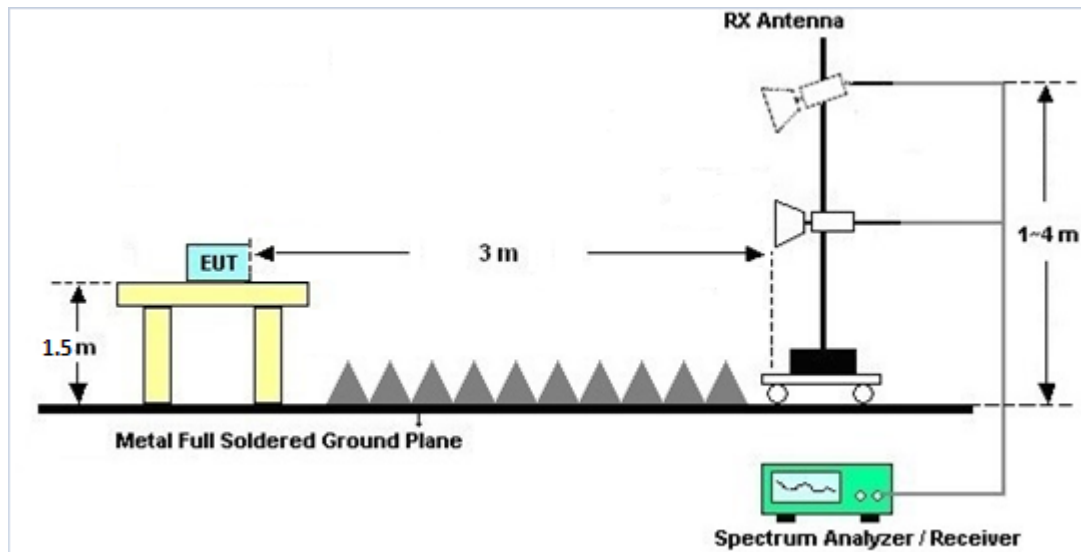
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is 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 (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

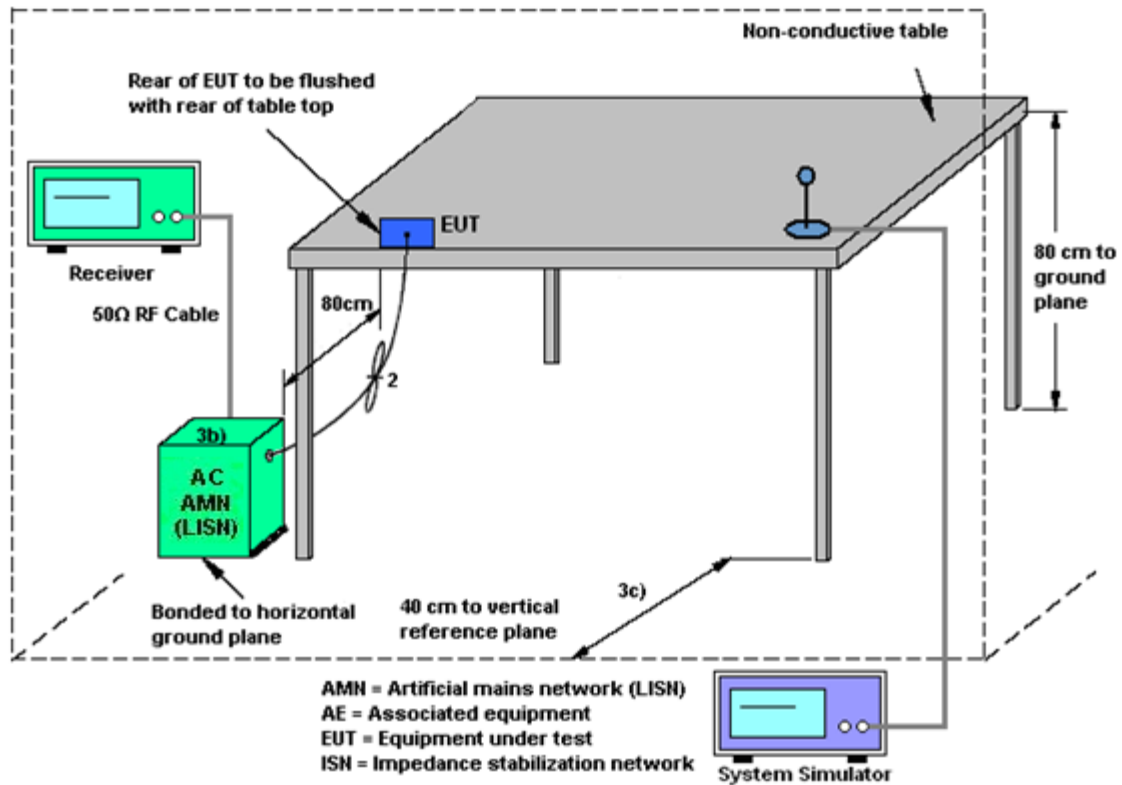
3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN 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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output **v02r01**

For CDD transmissions, directional gain is calculated as

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

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 **v02r01**.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 4 (dBi)	Ant. 5 (dBi)				
2.4 GHz	-1.10	-1.50	-1.10	1.71	0.00	0.00

Power Limit Reduction = $DG(Power) - 6dBi$, (min = 0)

PSD Limit Reduction = $DG(PSD) - 6dBi$, (min = 0)



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 07, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Aug. 07, 2020	Nov. 14, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Aug. 07, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 07, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Aug. 07, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Aug. 07, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Ji Zhan	HTC-1	2	N/A	Mar. 02, 2020	Jul. 28, 2020~ Aug. 19, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Jul. 28, 2020~ Aug. 19, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	100895	9kHz~30GHz	Nov. 26, 2019	Jul. 28, 2020~ Aug. 19, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Switch Control Manframe	Burgeon	ETF-058	EC130048 4	N/A	Aug. 22, 2019	Jul. 28, 2020~ Aug. 19, 2020	Aug. 21, 2020	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Aug. 04, 2020~ Aug. 19, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0800N1D01N- 06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Aug. 04, 2020~ Aug. 19, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Aug. 04, 2020~ Aug. 19, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-162 0	1-18GHz	Oct. 28, 2019	Aug. 04, 2020~ Aug. 19, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 10, 2019	Aug. 04, 2020~ Aug. 19, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0055006	1GHz~18GHz	May 07, 2020	Aug. 04, 2020~ Aug. 19, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701 95	1GHz~26.5GHz	Aug. 23, 2019	Aug. 04, 2020~ Aug. 19, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Aug. 04, 2020~ Aug. 19, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY541300 85	20MHz~8.4GHz	Nov. 01, 2019	Aug. 04, 2020~ Aug. 19, 2020	Oct. 31, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	May 04, 2020	Aug. 04, 2020~ Aug. 19, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 04, 2020~ Aug. 19, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 04, 2020~ Aug. 19, 2020	N/A	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Software	Audix	E3 6.2009-8-24(k 5)	RK-00045 1	N/A	N/A	Aug. 04, 2020~ Aug. 19, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz~30MHz	Mar. 12, 2020	Aug. 04, 2020~ Aug. 19, 2020	Mar. 11, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M-18G	Apr. 14, 2020	Aug. 04, 2020~ Aug. 19, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4 PE	30M-18G	Apr. 14, 2020	Aug. 04, 2020~ Aug. 19, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/ 4	30M-18G	Apr. 17, 2020	Aug. 04, 2020~ Aug. 19, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Aug. 04, 2020~ Aug. 19, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Aug. 04, 2020~ Aug. 19, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN4	1.53G Low Pass	Jul. 03, 2020	Aug. 04, 2020~ Aug. 19, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN4	3GHz High Pass Filter	Sep. 17, 2019	Aug. 04, 2020~ Aug. 19, 2020	Sep. 16, 2020	Radiation (03CH15-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% ($U = 2Uc(y)$)	5.0
--	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu and Jacob Yu	Temperature:	23.5~24.3	°C
Test Date:	2020/7/28 ~ 2020/8/19	Relative Humidity:	49~55	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 4	Ant 5	Ant 4	Ant 5		
11b	1Mbps	2	1	2412	12.95	12.95	8.04	7.56	0.50	Pass
11b	1Mbps	2	6	2437	13.10	13.05	8.04	7.76	0.50	Pass
11b	1Mbps	2	11	2462	13.05	13.00	8.04	8.00	0.50	Pass
11g	6Mbps	2	1	2412	16.45	16.45	15.92	16.28	0.50	Pass
11g	6Mbps	2	6	2437	16.45	16.50	16.28	16.32	0.50	Pass
11g	6Mbps	2	11	2462	16.45	16.45	16.00	16.32	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
11b	1Mbps	2	1	2412	15.70	14.80	18.28	30.00		-1.10		17.18		36.00		Pass
11b	1Mbps	2	6	2437	15.30	14.80	18.07	30.00		-1.10		16.97		36.00		Pass
11b	1Mbps	2	11	2462	15.50	14.60	18.08	30.00		-1.10		16.98		36.00		Pass
11g	6Mbps	2	1	2412	16.30	15.50	18.93	30.00		-1.10		17.83		36.00		Pass
11g	6Mbps	2	6	2437	16.00	15.50	18.77	30.00		-1.10		17.67		36.00		Pass
11g	6Mbps	2	11	2462	16.10	15.40	18.77	30.00		-1.10		17.67		36.00		Pass
HT20	MCS0	2	1	2412	16.10	15.30	18.73	30.00		-1.10		17.63		36.00		Pass
HT20	MCS0	2	6	2437	15.90	15.40	18.67	30.00		-1.10		17.57		36.00		Pass
HT20	MCS0	2	11	2462	15.90	15.20	18.57	30.00		-1.10		17.47		36.00		Pass
HT40	MCS0	2	3	2422	16.50	15.60	19.08	30.00		-1.10		17.98		36.00		Pass
HT40	MCS0	2	6	2437	16.30	15.40	18.88	30.00		-1.10		17.78		36.00		Pass
HT40	MCS0	2	9	2452	16.40	15.70	19.07	30.00		-1.10		17.97		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 4	Ant 5	Worse + 3.01	Ant 4	Ant 5	Ant 4	Ant 5	
11b	1Mbps	2	1	2412	-8.39	-9.51	-5.38	1.71		8.00		Pass
11b	1Mbps	2	6	2437	-9.09	-9.54	-6.08	1.71		8.00		Pass
11b	1Mbps	2	11	2462	-8.64	-10.40	-5.63	1.71		8.00		Pass
11g	6Mbps	2	1	2412	-10.85	-10.56	-7.55	1.71		8.00		Pass
11g	6Mbps	2	6	2437	-10.52	-12.75	-7.51	1.71		8.00		Pass
11g	6Mbps	2	11	2462	-11.33	-11.23	-8.22	1.71		8.00		Pass

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO											
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	1	2412	Full	18.95	18.95	18.44	18.10	0.50	Pass
HE20	MCS0	2	6	2437	Full	18.95	18.95	18.72	18.56	0.50	Pass
HE20	MCS0	2	11	2462	Full	18.95	18.90	18.68	18.68	0.50	Pass
HE40	MCS0	2	3	2422	Full	37.70	37.80	37.28	36.28	0.50	Pass
HE40	MCS0	2	6	2437	Full	37.90	38.00	37.76	36.84	0.50	Pass
HE40	MCS0	2	9	2452	Full	37.90	37.80	37.28	36.32	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	1	2412	Full	16.20	15.40	18.83	30.00		-1.10		17.73		36.00		Pass
HE20	MCS0	2	1	2412	26/0	6.50	6.30	9.41	30.00		-1.10		8.31		36.00		Pass
HE20	MCS0	2	1	2412	52/37	8.90	8.80	11.86	30.00		-1.10		10.76		36.00		Pass
HE20	MCS0	2	1	2412	106/53	12.60	12.30	15.46	30.00		-1.10		14.36		36.00		Pass
HE20	MCS0	2	6	2437	Full	16.00	15.50	18.77	30.00		-1.10		17.67		36.00		Pass
HE20	MCS0	2	11	2462	Full	16.00	15.30	18.67	30.00		-1.10		17.57		36.00		Pass
HE20	MCS0	2	11	2462	26/8	6.60	5.90	9.27	30.00		-1.10		8.17		36.00		Pass
HE20	MCS0	2	11	2462	52/40	10.00	9.10	12.58	30.00		-1.10		11.48		36.00		Pass
HE20	MCS0	2	11	2462	106/54	12.90	11.90	15.44	30.00		-1.10		14.34		36.00		Pass
HE40	MCS0	2	3	2422	Full	16.60	15.70	19.18	30.00		-1.10		18.08		36.00		Pass
HE40	MCS0	2	3	2422	242/61	14.50	13.70	17.13	30.00		-1.10		16.03		36.00		Pass
HE40	MCS0	2	6	2437	Full	16.40	15.50	18.98	30.00		-1.10		17.88		36.00		Pass
HE40	MCS0	2	9	2452	Full	16.50	15.80	19.17	30.00		-1.10		18.07		36.00		Pass
HE40	MCS0	2	9	2452	242/62	13.20	12.50	15.87	30.00		-1.10		14.77		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO													
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant 4	Ant 5	Worse + 3.01	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	1	2412	Full	-9.89	-11.32	-6.88	1.71		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-11.21	-11.62	-8.20	1.71		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-10.26	-11.51	-7.25	1.71		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-11.13	-11.92	-8.12	1.71		8.00		Pass
HE20	MCS0	2	6	2437	Full	-10.73	-11.74	-7.72	1.71		8.00		Pass
HE20	MCS0	2	11	2462	Full	-10.55	-10.97	-7.54	1.71		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-10.56	-11.18	-7.55	1.71		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-10.60	-11.03	-7.59	1.71		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-10.58	-11.04	-7.57	1.71		8.00		Pass
HE40	MCS0	2	3	2422	Full	-11.50	-13.87	-8.49	1.71		8.00		Pass
HE40	MCS0	2	3	2422	242/61	-11.76	-14.06	-8.75	1.71		8.00		Pass
HE40	MCS0	2	6	2437	Full	-14.10	-13.82	-10.81	1.71		8.00		Pass
HE40	MCS0	2	9	2452	Full	-13.40	-13.82	-10.39	1.71		8.00		Pass
HE40	MCS0	2	9	2452	242/62	-13.66	-14.48	-10.65	1.71		8.00		Pass

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



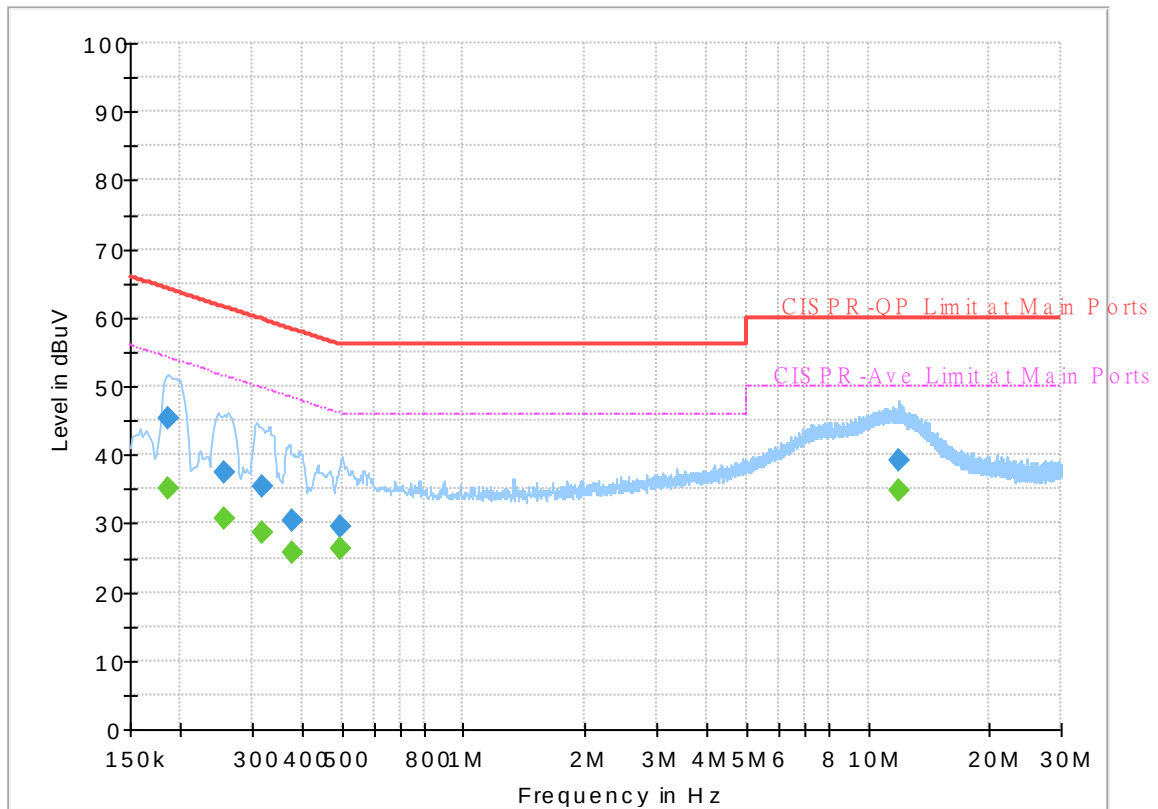
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	42~50%

EUT Information

Report NO : 072112
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



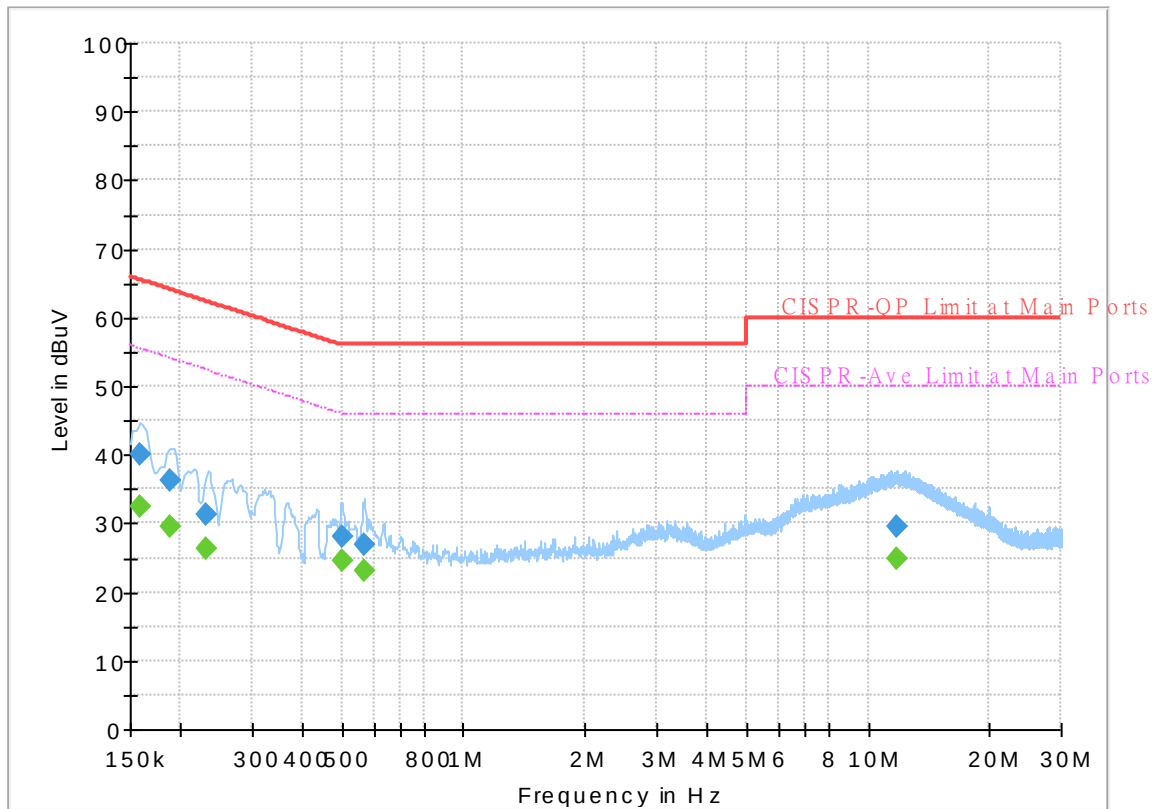
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.185640	45.40	---	64.23	18.83	L1	OFF	19.6
0.185640	---	34.98	54.23	19.25	L1	OFF	19.6
0.257370	37.55	---	61.52	23.97	L1	OFF	19.6
0.257370	---	30.67	51.52	20.85	L1	OFF	19.6
0.316500	35.40	---	59.80	24.40	L1	OFF	19.6
0.316500	---	28.78	49.80	21.02	L1	OFF	19.6
0.377250	30.27	---	58.34	28.07	L1	OFF	19.6
0.377250	---	25.83	48.34	22.51	L1	OFF	19.6
0.496770	29.53	---	56.05	26.52	L1	OFF	19.6
0.496770	---	26.29	46.05	19.76	L1	OFF	19.6
11.896260	39.06	---	60.00	20.94	L1	OFF	20.1
11.896260	---	34.92	50.00	15.08	L1	OFF	20.1

EUT Information

Report NO : 072112
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)
0.159000	---	32.51	55.52	23.01	N	OFF	19.5
0.159000	40.05	---	65.52	25.47	N	OFF	19.5
0.188070	---	29.39	54.12	24.73	N	OFF	19.5
0.188070	36.38	---	64.12	27.74	N	OFF	19.5
0.232440	---	26.36	52.36	26.00	N	OFF	19.5
0.232440	31.24	---	62.36	31.12	N	OFF	19.5
0.500100	---	24.69	46.00	21.31	N	OFF	19.5
0.500100	28.13	---	56.00	27.87	N	OFF	19.5
0.566340	---	23.04	46.00	22.96	N	OFF	19.5
0.566340	27.04	---	56.00	28.96	N	OFF	19.5
11.800500	---	24.84	50.00	25.16	N	OFF	19.8
11.800500	29.47	---	60.00	30.53	N	OFF	19.8



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2342.025	56.32	-17.68	74	42.22	28.02	17.25	31.17	300	305	P	H
		2330.475	44.78	-9.22	54	30.68	28.04	17.23	31.17	300	305	A	H
	*	2412	100.54	-	-	86.6	27.68	17.39	31.13	300	305	P	H
	*	2412	96.45	-	-	82.51	27.68	17.39	31.13	300	305	A	H
													H
													H
		2332.365	56.42	-17.58	74	42.32	28.04	17.23	31.17	100	46	P	V
		2332.26	44.73	-9.27	54	30.63	28.04	17.23	31.17	100	46	A	V
	*	2412	104.7	-	-	90.76	27.68	17.39	31.13	100	46	P	V
	*	2412	101.66	-	-	87.72	27.68	17.39	31.13	100	46	A	V
													V
													V
802.11b CH 06 2437MHz		2347.12	55.92	-18.08	74	41.82	28.01	17.26	31.17	325	358	P	H
		2337.68	44.76	-9.24	54	30.67	28.02	17.24	31.17	325	358	A	H
	*	2437	101.82	-	-	87.88	27.63	17.43	31.12	325	358	P	H
	*	2437	97.3	-	-	83.36	27.63	17.43	31.12	325	358	A	H
		2493.43	54.8	-19.2	74	40.85	27.51	17.53	31.09	325	358	P	H
		2486.41	44.63	-9.37	54	30.68	27.53	17.52	31.1	325	358	A	H
		2362.48	55.77	-18.23	74	41.71	27.93	17.29	31.16	100	48	P	V
		2334.32	44.76	-9.24	54	30.66	28.03	17.24	31.17	100	48	A	V
	*	2437	104.77	-	-	90.83	27.63	17.43	31.12	100	48	P	V
	*	2437	101.64	-	-	87.7	27.63	17.43	31.12	100	48	A	V
		2500	55.19	-18.81	74	41.23	27.5	17.55	31.09	100	48	P	V
		2483.71	44.65	-9.35	54	30.7	27.53	17.52	31.1	100	48	A	V



802.11b CH 11 2462MHz	*	2462	98.32	-	-	84.37	27.58	17.48	31.11	294	222	P	H
	*	2462	96.53	-	-	82.58	27.58	17.48	31.11	294	222	A	H
		2494.88	55.89	-18.11	74	41.93	27.51	17.54	31.09	294	222	P	H
		2484.08	44.69	-9.31	54	30.74	27.53	17.52	31.1	294	222	A	H
													H
													H
	*	2462	105.33	-	-	91.38	27.58	17.48	31.11	100	92	P	V
	*	2462	102.51	-	-	88.56	27.58	17.48	31.11	100	92	A	V
		2493.84	55.83	-18.17	74	41.87	27.51	17.54	31.09	100	92	P	V
		2483.92	44.66	-9.34	54	30.71	27.53	17.52	31.1	100	92	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. 4+5	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	40.24	-33.76	74	57.41	31.25	10.67	59.09	100	0	P	H
													H
													H
													H
		4824	41.32	-32.68	74	58.49	31.25	10.67	59.09	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	39.7	-34.3	74	56.85	31.25	10.72	59.12	100	0	P	H
		7311	44.32	-29.68	74	53.8	36.52	12.56	58.56	100	0	P	H
													H
													H
		4874	38.81	-35.19	74	55.96	31.25	10.72	59.12	100	0	P	V
		7311	45.28	-28.72	74	54.76	36.52	12.56	58.56	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	40.31	-33.69	74	57.35	31.34	10.77	59.15	100	0	P	H
		7386	44.82	-29.18	74	54.15	36.46	12.67	58.46	100	0	P	H
													H
													H
		4924	39.68	-34.32	74	56.72	31.34	10.77	59.15	100	0	P	V
		7386	45.94	-28.06	74	55.27	36.46	12.67	58.46	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.59	56.87	-17.13	74	42.91	27.76	17.35	31.15	302	318	P	H
		2390	45.88	-8.12	54	31.92	27.76	17.35	31.15	302	318	A	H
	*	2412	108.62	-	-	94.68	27.68	17.39	31.13	302	318	P	H
	*	2412	100.82	-	-	86.88	27.68	17.39	31.13	302	318	A	H
													H
													H
		2389.8	57.92	-16.08	74	43.96	27.76	17.35	31.15	114	271	P	V
		2390	46.79	-7.21	54	32.83	27.76	17.35	31.15	114	271	A	V
	*	2412	111.12	-	-	97.18	27.68	17.39	31.13	114	271	P	V
	*	2412	102.76	-	-	88.82	27.68	17.39	31.13	114	271	A	V
													V
													V
802.11g CH 06 2437MHz		2320.88	56.6	-17.4	74	42.51	28.06	17.21	31.18	341	317	P	H
		2310.16	45.92	-8.08	54	31.83	28.08	17.19	31.18	341	317	A	H
	*	2437	108.98	-	-	95.04	27.63	17.43	31.12	341	317	P	H
	*	2437	101.28	-	-	87.34	27.63	17.43	31.12	341	317	A	H
		2490.64	55.64	-18.36	74	41.68	27.52	17.53	31.09	341	317	P	H
		2483.98	44.65	-9.35	54	30.7	27.53	17.52	31.1	341	317	A	H
		2333.52	56.72	-17.28	74	42.63	28.03	17.23	31.17	139	273	P	V
		2347.12	44.77	-9.23	54	30.67	28.01	17.26	31.17	139	273	A	V
	*	2437	109.37	-	-	95.43	27.63	17.43	31.12	139	273	P	V
	*	2437	101.53	-	-	87.59	27.63	17.43	31.12	139	273	A	V
		2495.77	55.49	-18.51	74	41.53	27.51	17.54	31.09	139	273	P	V
		2485.42	44.66	-9.34	54	30.71	27.53	17.52	31.1	139	273	A	V



802.11g CH 11 2462MHz	*	2462	108.46	-	-	94.51	27.58	17.48	31.11	300	319	P	H
	*	2462	100.97	-	-	87.02	27.58	17.48	31.11	300	319	A	H
		2486.72	56.68	-17.32	74	42.73	27.53	17.52	31.1	300	319	P	H
		2484.56	44.95	-9.05	54	31	27.53	17.52	31.1	300	319	A	H
													H
													H
	*	2462	109.1	-	-	95.15	27.58	17.48	31.11	100	272	P	V
	*	2462	101.31	-	-	87.36	27.58	17.48	31.11	100	272	A	V
		2488.08	56.49	-17.51	74	42.54	27.52	17.53	31.1	100	272	P	V
		2484.48	44.97	-9.03	54	31.02	27.53	17.52	31.1	100	272	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. 4+5	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	41.81	-32.19	74	58.98	31.25	10.67	59.09	100	0	P	H
													H
													H
													H
		4824	40.28	-33.72	74	57.45	31.25	10.67	59.09	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	39.49	-34.51	74	56.64	31.25	10.72	59.12	100	0	P	H
		7311	45.01	-28.99	74	54.49	36.52	12.56	58.56	100	0	P	H
													H
													H
		4874	38.98	-35.02	74	56.13	31.25	10.72	59.12	100	0	P	V
		7311	44.72	-29.28	74	54.2	36.52	12.56	58.56	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	40.05	-33.95	74	57.09	31.34	10.77	59.15	100	0	P	H
		7386	44.05	-29.95	74	53.38	36.46	12.67	58.46	100	0	P	H
													H
													H
		4924	40.65	-33.35	74	57.69	31.34	10.77	59.15	100	0	P	V
		7386	44.34	-29.66	74	53.67	36.46	12.67	58.46	100	0	P	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 802.11 ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+5	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)
802.11ax HE20 Full CH 01 2412MHz		2389.695	57.88	-16.12	74	43.92	27.76	17.35	31.15	300	305	P	H
		2390	46.52	-7.48	54	32.56	27.76	17.35	31.15	300	305	A	H
	*	2412	106.87	-	-	92.93	27.68	17.39	31.13	300	305	P	H
	*	2412	97.64	-	-	83.7	27.68	17.39	31.13	300	305	A	H
													H
													H
		2389.695	58.25	-15.75	74	44.29	27.76	17.35	31.15	100	270	P	V
		2390	47.42	-6.58	54	33.46	27.76	17.35	31.15	100	270	A	V
	*	2412	109.74	-	-	95.8	27.68	17.39	31.13	100	270	P	V
	*	2412	99.33	-	-	85.39	27.68	17.39	31.13	100	270	A	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		2338.48	56.99	-17.01	74	42.9	28.02	17.24	31.17	300	307	P	H
		2340.4	44.75	-9.25	54	30.65	28.02	17.25	31.17	300	307	A	H
	*	2437	106.18	-	-	92.24	27.63	17.43	31.12	300	307	P	H
	*	2437	97.33	-	-	83.39	27.63	17.43	31.12	300	307	A	H
		2486.14	55.11	-18.89	74	41.16	27.53	17.52	31.1	300	307	P	H
		2483.98	44.62	-9.38	54	30.67	27.53	17.52	31.1	300	307	A	H
		2330.32	55.99	-18.01	74	41.89	28.04	17.23	31.17	100	259	P	V
		2327.44	44.77	-9.23	54	30.68	28.05	17.22	31.18	100	259	A	V
	*	2437	107.2	-	-	93.26	27.63	17.43	31.12	100	259	P	V
	*	2437	98.2	-	-	84.26	27.63	17.43	31.12	100	259	A	V
		2492.89	55.24	-18.76	74	41.29	27.51	17.53	31.09	100	259	P	V
		2484.7	44.62	-9.38	54	30.67	27.53	17.52	31.1	100	259	A	V



WIFI Ant. 4+5	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)
8802.11ax HE20 Full CH 11 2462MHz	*	2462	106	-	-	92.05	27.58	17.48	31.11	300	305	P	H
	*	2462	97.21	-	-	83.26	27.58	17.48	31.11	300	305	A	H
		2493.28	55.46	-18.54	74	41.51	27.51	17.53	31.09	300	305	P	H
		2483.52	45.11	-8.89	54	31.16	27.53	17.52	31.1	300	305	A	H
													H
													H
	*	2462	107.78	-	-	93.83	27.58	17.48	31.11	100	268	P	V
	*	2462	98.23	-	-	84.28	27.58	17.48	31.11	100	268	A	V
		2484.4	56.6	-17.4	74	42.65	27.53	17.52	31.1	100	268	P	V
		2483.52	45.44	-8.56	54	31.49	27.53	17.52	31.1	100	268	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 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+5	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)
802.11ax HE20 Full CH 01 2412MHz		4824	40.2	-33.8	74	57.37	31.25	10.67	59.09	100	0	P	H
													H
													H
													H
		4824	39.68	-34.32	74	56.85	31.25	10.67	59.09	100	0	P	V
													V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		4874	38.71	-35.29	74	55.86	31.25	10.72	59.12	100	0	P	H
		7311	44.2	-29.8	74	53.68	36.52	12.56	58.56	100	0	P	H
													H
													H
		4874	38.88	-35.12	74	56.03	31.25	10.72	59.12	100	0	P	V
		7311	44.14	-29.86	74	53.62	36.52	12.56	58.56	100	0	P	V
													V
													V
802.11ax HE20 Full CH 11 2462MHz		4924	40.64	-33.36	74	57.68	31.34	10.77	59.15	100	0	P	H
		7386	43.55	-30.45	74	52.88	36.46	12.67	58.46	100	0	P	H
													H
													H
		4924	40.2	-33.8	74	57.24	31.34	10.77	59.15	100	0	P	V
		7386	43.77	-30.23	74	53.1	36.46	12.67	58.46	100	0	P	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 802.11 ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+5	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)
802.11ax HE40 Full CH 03 2422MHz		2389.73	57.55	-16.45	74	43.59	27.76	17.35	31.15	329	323	P	H
		2390	46.68	-7.32	54	32.72	27.76	17.35	31.15	329	323	A	H
	*	2422	104.83	-	-	90.89	27.66	17.41	31.13	329	323	P	H
	*	2422	94.4	-	-	80.46	27.66	17.41	31.13	329	323	A	H
		2485.87	56.22	-17.78	74	42.27	27.53	17.52	31.1	329	323	P	H
		2484.7	44.62	-9.38	54	30.67	27.53	17.52	31.1	329	323	A	H
		2390	59.42	-14.58	74	45.46	27.76	17.35	31.15	377	231	P	V
		2389.9	47.63	-6.37	54	33.67	27.76	17.35	31.15	377	231	A	V
	*	2422	105.81	-	-	91.87	27.66	17.41	31.13	377	231	P	V
	*	2422	95.85	-	-	81.91	27.66	17.41	31.13	377	231	A	V
		2489.74	55.58	-18.42	74	41.63	27.52	17.53	31.1	377	231	P	V
		2485.6	44.63	-9.37	54	30.68	27.53	17.52	31.1	377	231	A	V
802.11ax HE40 Full CH 06 2437MHz		2317.04	56.8	-17.2	74	42.71	28.07	17.2	31.18	305	305	P	H
		2390	45.51	-8.49	54	31.55	27.76	17.35	31.15	305	305	A	H
	*	2437	104.98	-	-	91.04	27.63	17.43	31.12	305	305	P	H
	*	2437	95.56	-	-	81.62	27.63	17.43	31.12	305	305	A	H
		2486.23	56.21	-17.79	74	42.26	27.53	17.52	31.1	305	305	P	H
		2483.71	44.98	-9.02	54	31.03	27.53	17.52	31.1	305	305	A	H
		2374.64	56.67	-17.33	74	42.65	27.85	17.32	31.15	140	283	P	V
		2390	45.61	-8.39	54	31.65	27.76	17.35	31.15	140	283	A	V
	*	2437	106.53	-	-	92.59	27.63	17.43	31.12	140	283	P	V
	*	2437	97.03	-	-	83.09	27.63	17.43	31.12	140	283	A	V
		2483.62	56.25	-17.75	74	42.3	27.53	17.52	31.1	140	283	P	V
		2483.53	45.18	-8.82	54	31.23	27.53	17.52	31.1	140	283	A	V



WIFI Ant. 4+5	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)
802.11ax HE40 Full CH 09 2452MHz		2332.88	56.1	-17.9	74	42.01	28.03	17.23	31.17	341	318	P	H
		2334.32	44.78	-9.22	54	30.68	28.03	17.24	31.17	341	318	A	H
	*	2452	106.4	-	-	92.45	27.6	17.46	31.11	341	318	P	H
	*	2452	96.24	-	-	82.29	27.6	17.46	31.11	341	318	A	H
		2485.69	56.59	-17.41	74	42.64	27.53	17.52	31.1	341	318	P	H
		2483.71	45.95	-8.05	54	32	27.53	17.52	31.1	341	318	A	H
		2319.76	56.05	-17.95	74	41.96	28.06	17.21	31.18	126	298	P	V
		2333.52	44.73	-9.27	54	30.64	28.03	17.23	31.17	126	298	A	V
	*	2452	106.47	-	-	92.52	27.6	17.46	31.11	126	298	P	V
	*	2452	96.63	-	-	82.68	27.6	17.46	31.11	126	298	A	V
		2484.43	56.91	-17.09	74	42.96	27.53	17.52	31.1	126	298	P	V
		2483.53	45.97	-8.03	54	32.02	27.53	17.52	31.1	126	298	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 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+5	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)
802.11ax HE40 Full CH 03 2422MHz		4844	39.27	-34.73	74	56.4	31.29	10.69	59.11	100	0	P	H
		7266	45.1	-28.9	74	54.75	36.5	12.48	58.63	100	0	P	H
													H
													H
		4844	38.71	-35.29	74	55.84	31.29	10.69	59.11	100	0	P	V
		7266	44.09	-29.91	74	53.74	36.5	12.48	58.63	100	0	P	V
													V
													V
802.11ax HE40 Full CH 06 2437MHz		4874	39.22	-34.78	74	56.37	31.25	10.72	59.12	100	0	P	H
		7311	44.15	-29.85	74	53.63	36.52	12.56	58.56	100	0	P	H
													H
													H
		4874	39.63	-34.37	74	56.78	31.25	10.72	59.12	100	0	P	V
		7311	45.19	-28.81	74	54.67	36.52	12.56	58.56	100	0	P	V
													V
													V
802.11ax HE40 Full CH 09 2452MHz		4904	39.43	-34.57	74	56.6	31.22	10.75	59.14	100	0	P	H
		7356	44.13	-29.87	74	53.43	36.58	12.62	58.5	100	0	P	H
													H
													H
		4904	39.88	-34.12	74	57.05	31.22	10.75	59.14	100	0	P	V
		7356	43.86	-30.14	74	53.16	36.58	12.62	58.5	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11ax HE40 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11ax HE40 LF		82.38	22.18	-17.82	40	39.52	13.91	1.22	32.47	-	-	P	H
		88.2	23.13	-20.37	43.5	39.56	14.68	1.27	32.38	-	-	P	H
		203.63	24.94	-18.56	43.5	40.34	14.95	2.03	32.38	-	-	P	H
		319.06	24.08	-21.92	46	34.78	19.35	2.44	32.49	-	-	P	H
		566.41	27.77	-18.23	46	31	25.88	3.29	32.4	-	-	P	H
		890.39	36.08	-9.92	46	35.25	28.49	4.27	31.93	100	0	P	H
													H
													H
													H
													H
													H
													H
		37.76	28.12	-11.88	40	39.16	20.51	0.79	32.34	100	0	P	V
		106.63	23.53	-19.97	43.5	37.68	16.77	1.4	32.32	-	-	P	V
		172.59	22.92	-20.58	43.5	37.77	15.7	1.84	32.39	-	-	P	V
		204.6	22.58	-20.92	43.5	38.01	14.91	2.04	32.38	-	-	P	V
		741.01	29.88	-16.12	46	30.93	27.61	3.8	32.46	-	-	P	V
		925.31	32.21	-13.79	46	30.14	29.24	4.39	31.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<Partially Loaded RUs>

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 4+5	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)
802.11ax HE40 Partial 242/61 CH 03 2422MHz		2389.73	60.35	-13.65	74	46.39	27.76	17.35	31.15	100	97	P	H
		2389.73	44.92	-9.08	54	30.96	27.76	17.35	31.15	100	97	A	H
	*	2422	104.77	-	-	90.83	27.66	17.41	31.13	100	97	P	H
	*	2422	95.32	-	-	81.38	27.66	17.41	31.13	100	97	A	H
		2496.58	56.95	-17.05	74	42.99	27.51	17.54	31.09	100	97	P	H
		2485.15	44.61	-9.39	54	30.66	27.53	17.52	31.1	100	97	A	H
		2381.23	56.37	-17.63	74	42.38	27.81	17.33	31.15	365	175	P	V
		2331.76	44.73	-9.27	54	30.63	28.04	17.23	31.17	365	175	A	V
	*	2422	102.92	-	-	88.98	27.66	17.41	31.13	365	175	P	V
	*	2422	93.58	-	-	79.64	27.66	17.41	31.13	365	175	A	V
		2487.94	55.63	-18.37	74	41.69	27.52	17.52	31.1	365	175	P	V
		2483.53	44.59	-9.41	54	30.64	27.53	17.52	31.1	365	175	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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	P eak or A verage
H/V	H orizontal or V ertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(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

$$1. \text{ Path Loss(dB)} = \text{Cable loss(dB)} + \text{Filter loss(dB)} + \text{Attenuator loss(dB)}$$

$$2. \text{ Level(dB}\mu\text{V/m)} =$$

$$\text{Antenna Factor(dB/m)} + \text{Path Loss(dB)} + \text{Read Level(dB}\mu\text{V)} - \text{Preamp Factor(dB)}$$

$$3. \text{ Over Limit(dB)} = \text{Level(dB}\mu\text{V/m)} - \text{Limit Line(dB}\mu\text{V/m)}$$

For Peak Limit @ 2390MHz:

$$1. \text{ Level(dB}\mu\text{V/m)}$$

$$= \text{Antenna Factor(dB/m)} + \text{Path Loss(dB)} + \text{Read Level(dB}\mu\text{V)} - \text{Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 54.51(\text{dB}\mu\text{V}) - 35.86(\text{dB})$$

$$= 55.45(\text{dB}\mu\text{V/m})$$

$$2. \text{ Over Limit(dB)}$$

$$= \text{Level(dB}\mu\text{V/m)} - \text{Limit Line(dB}\mu\text{V/m)}$$

$$= 55.45(\text{dB}\mu\text{V/m}) - 74(\text{dB}\mu\text{V/m})$$

$$= -18.55(\text{dB})$$

For Average Limit @ 2390MHz:

$$1. \text{ Level(dB}\mu\text{V/m)}$$

$$= \text{Antenna Factor(dB/m)} + \text{Path Loss(dB)} + \text{Read Level(dB}\mu\text{V)} - \text{Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 42.6(\text{dB}\mu\text{V}) - 35.86(\text{dB})$$

$$= 43.54(\text{dB}\mu\text{V/m})$$

$$2. \text{ Over Limit(dB)}$$

$$= \text{Level(dB}\mu\text{V/m)} - \text{Limit Line(dB}\mu\text{V/m)}$$

$$= 43.54(\text{dB}\mu\text{V/m}) - 54(\text{dB}\mu\text{V/m})$$

$$= -10.46(\text{dB})$$

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

Note symbol

-L	Low channel location
-R	High channel location

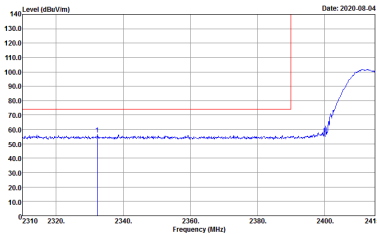
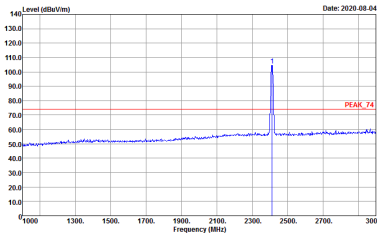
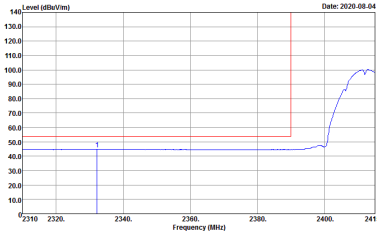
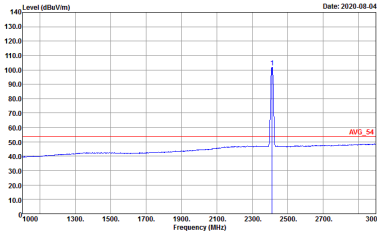


2.4GHz 2400~2483.5MHz

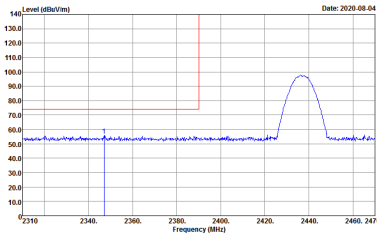
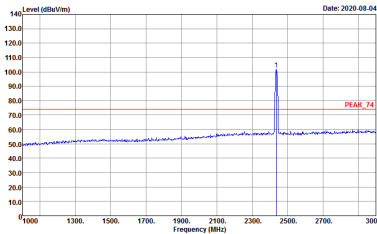
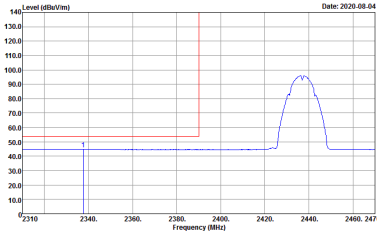
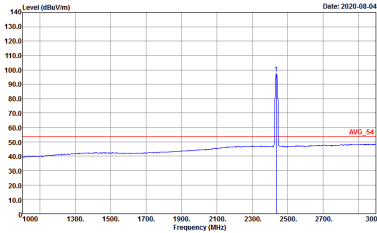
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+5	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 072112	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 072112

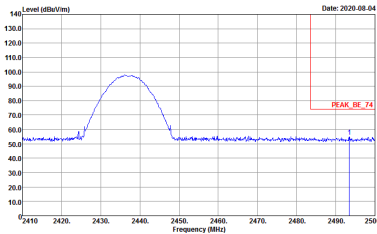
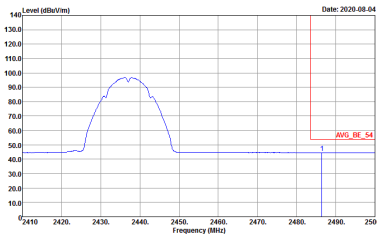


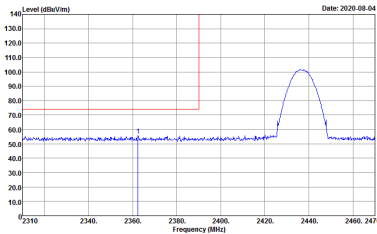
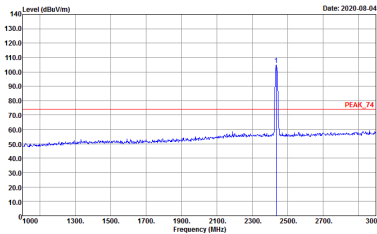
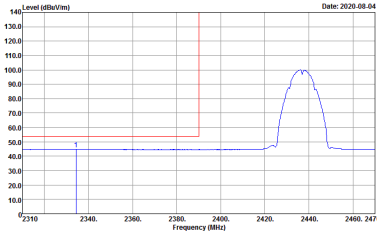
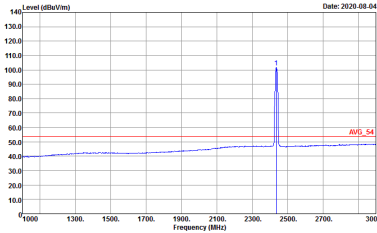
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



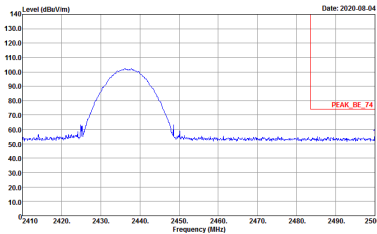
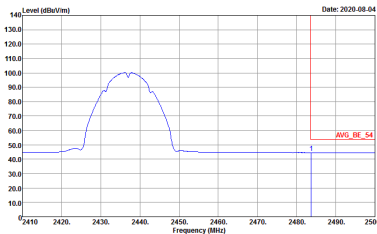
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
Avg.		



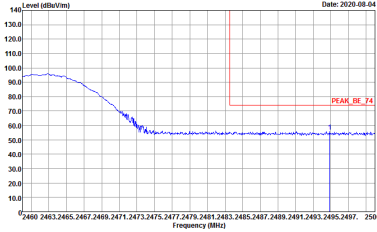
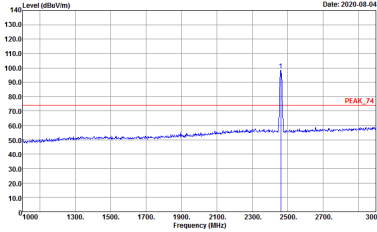
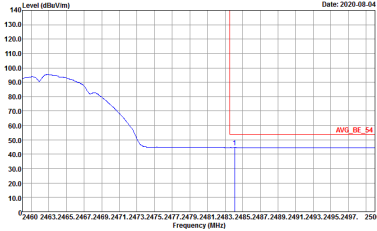
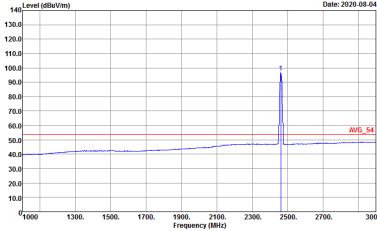
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

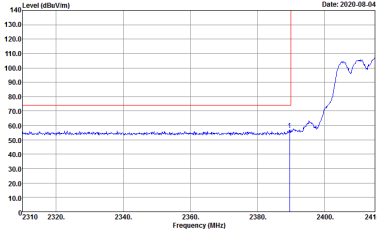
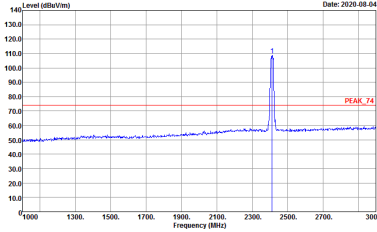
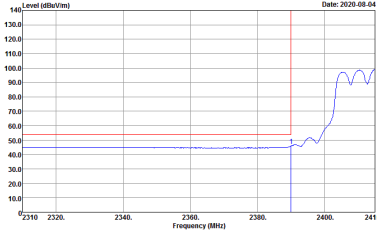
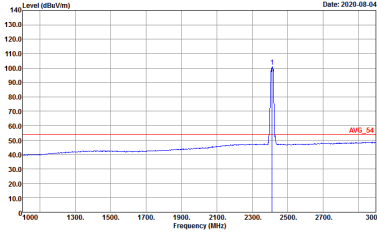


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+5	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

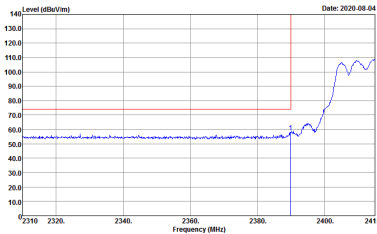
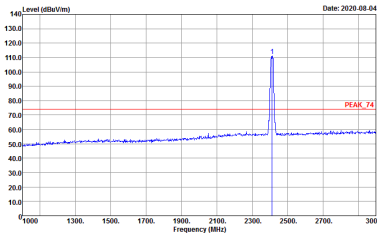
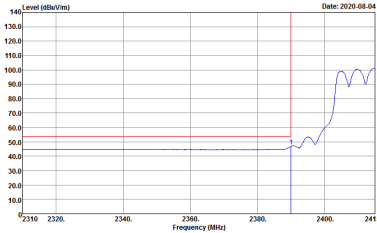
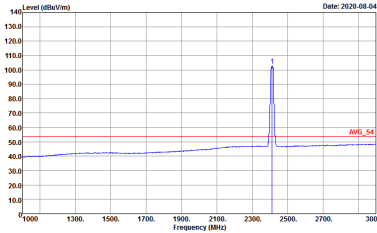


2.4GHz 2400~2483.5MHz

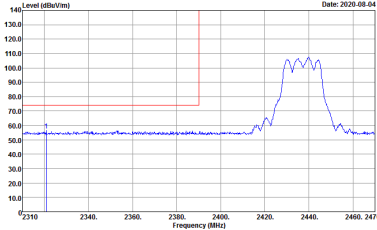
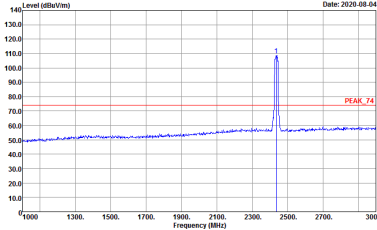
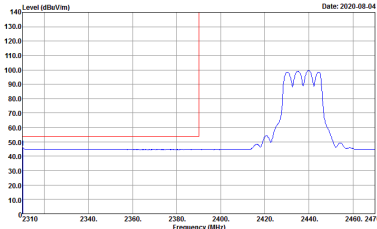
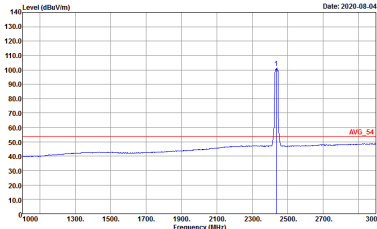
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 072112

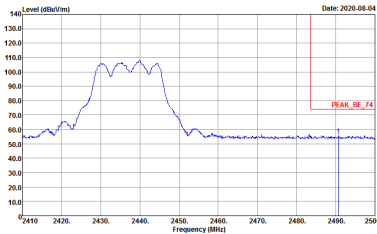
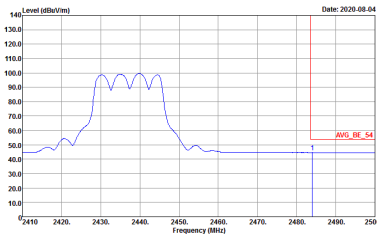


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

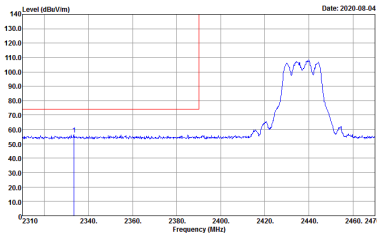
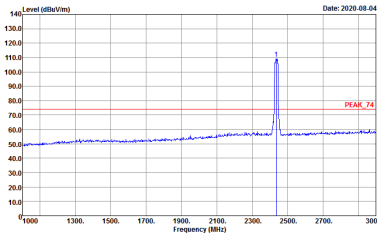
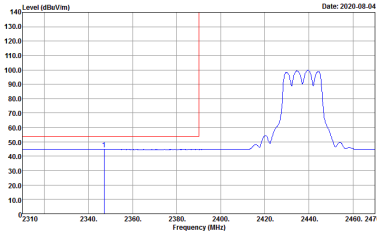
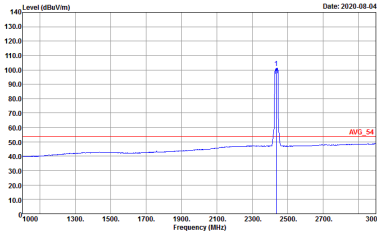


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

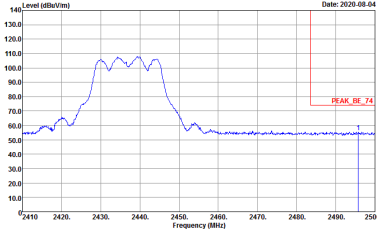
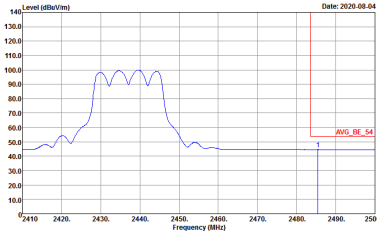


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

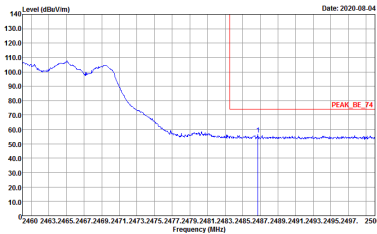
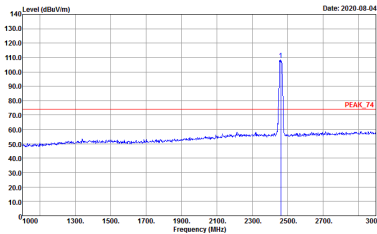
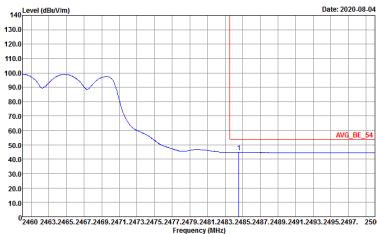
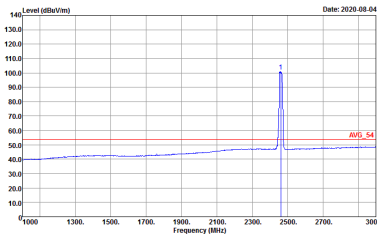


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
Avg.		

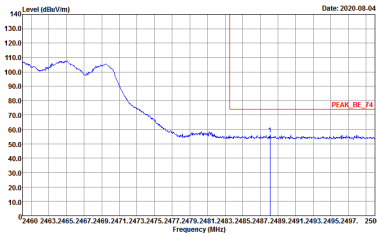
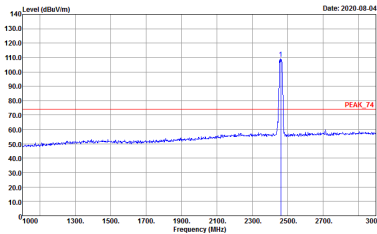
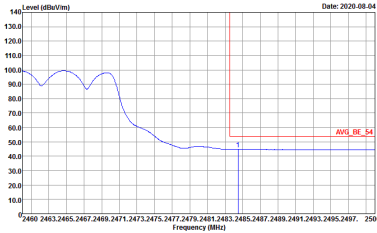
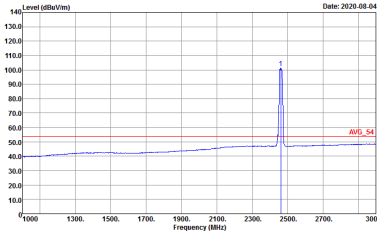


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left Blank

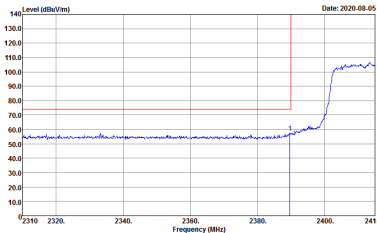
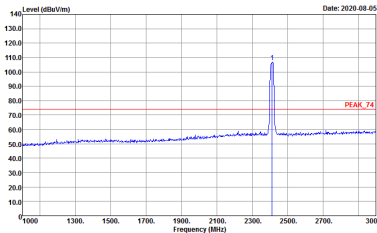
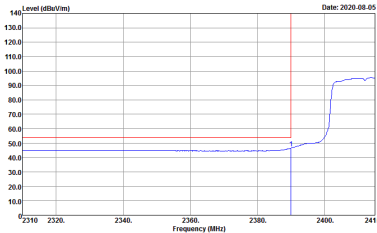
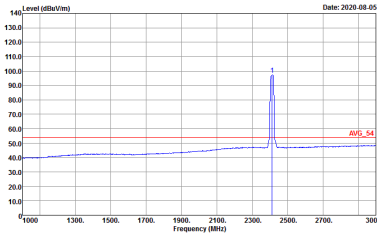


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

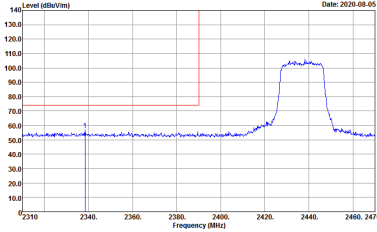
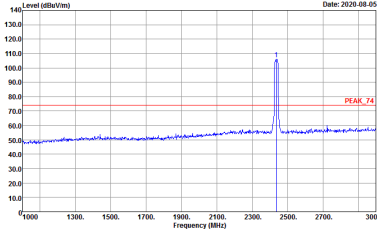
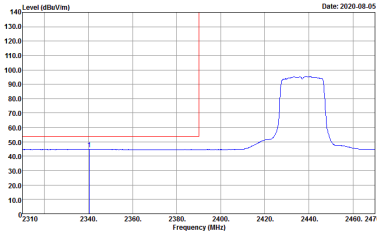
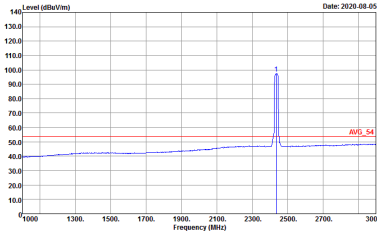
2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AV6_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

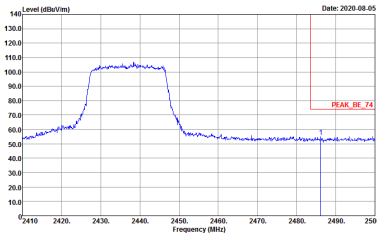
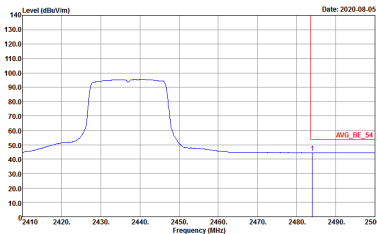


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
4+5	Vertical	Fundamental
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a sharp increase in signal level starting around 2380 MHz, reaching a plateau of approximately 110 dBuV/m by 2412 MHz. A red vertical line marks the peak at 2412 MHz. Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 2412 MHz, reaching a level of about 110 dBuV/m. A red horizontal line indicates the peak level, labeled 'PEAK 74'. Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112
	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a sharp increase in signal level starting around 2380 MHz, reaching a plateau of approximately 110 dBuV/m by 2412 MHz. A red vertical line marks the peak at 2412 MHz. Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 2412 MHz, reaching a level of about 110 dBuV/m. A red horizontal line indicates the peak level, labeled 'AVG 54'. Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112

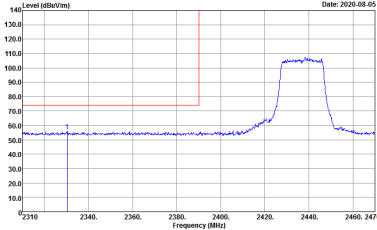
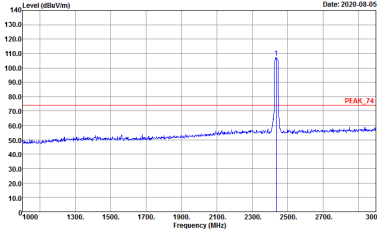
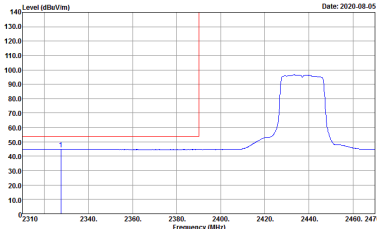
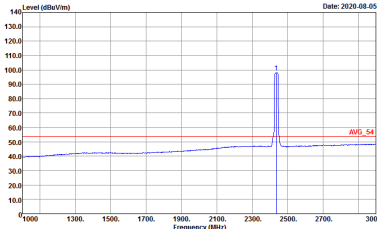


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

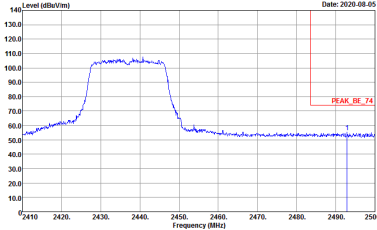
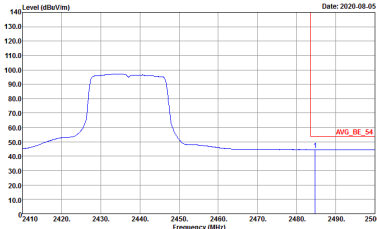


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

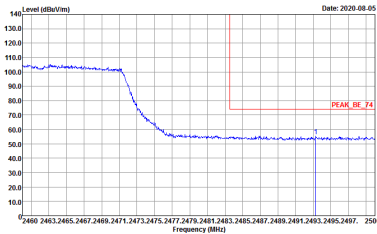
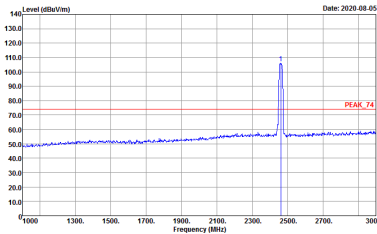
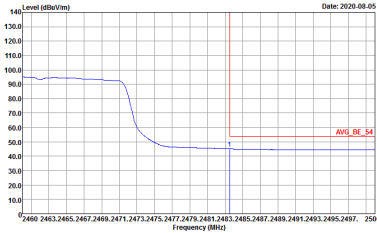
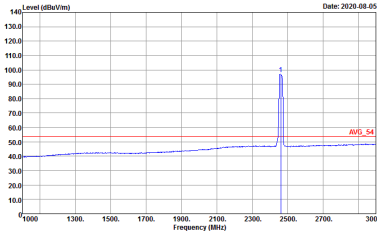


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

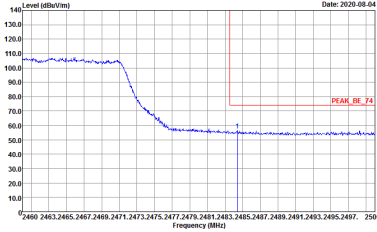
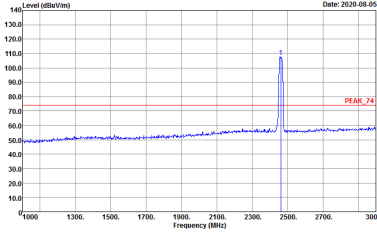
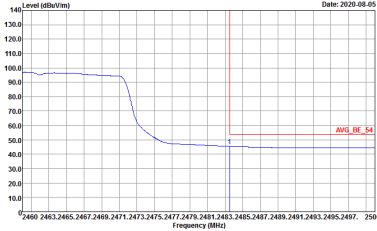
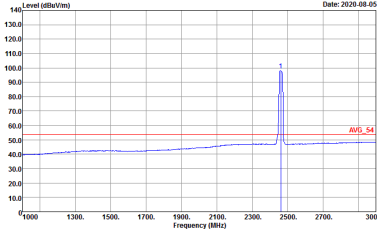


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

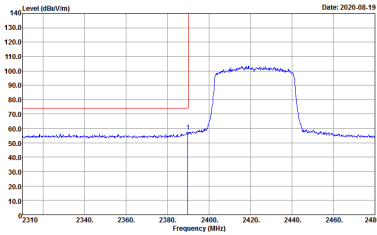
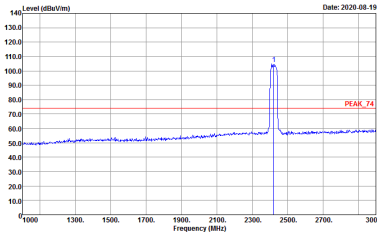
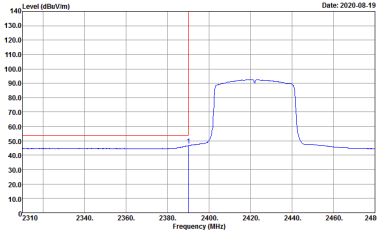
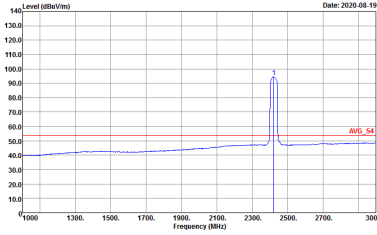


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

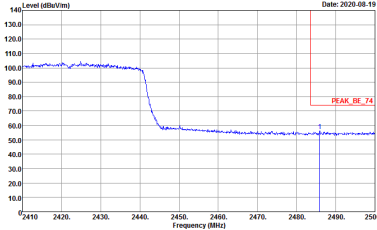
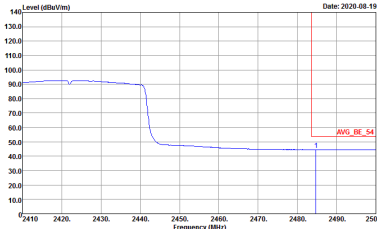


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

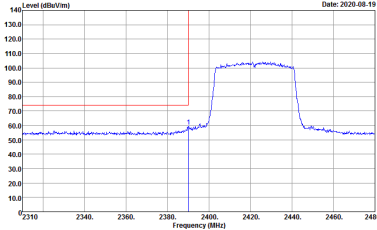
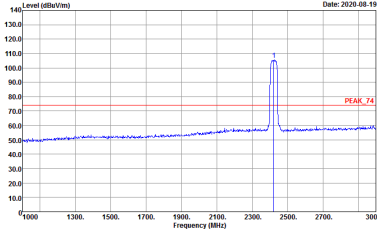
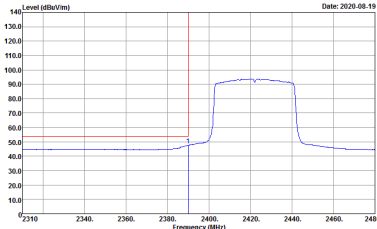
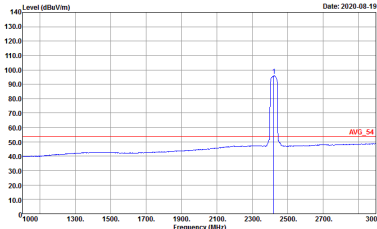
2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 072112

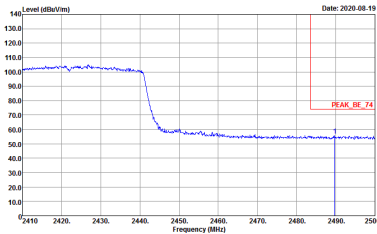
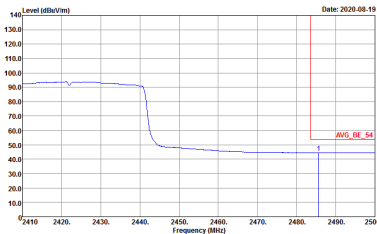


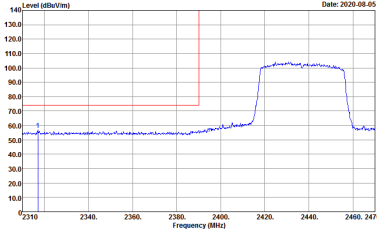
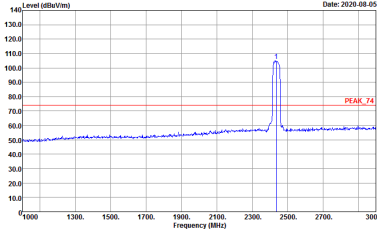
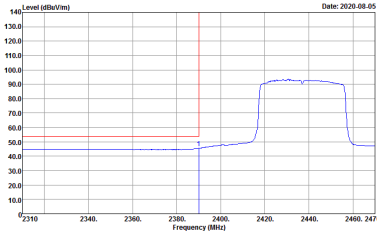
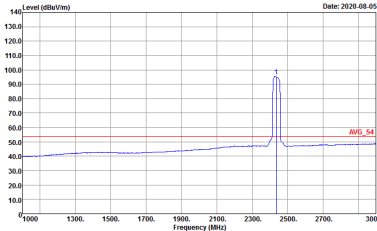
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.010KHz SWT:Auto Detector : Peak Project : 072112	Left blank



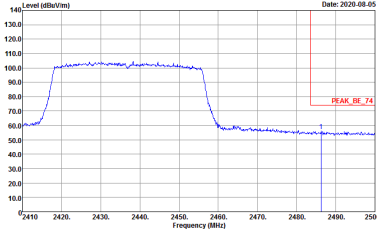
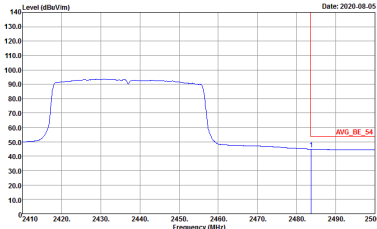
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

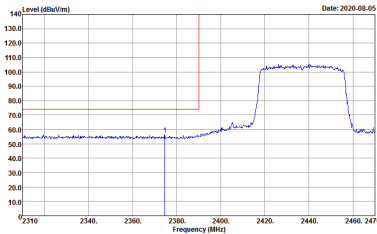
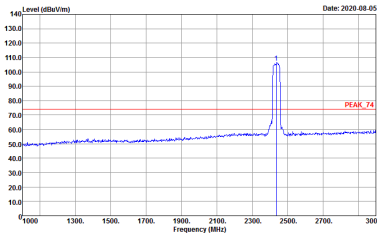
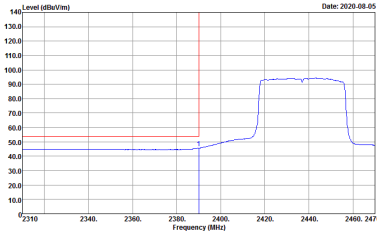
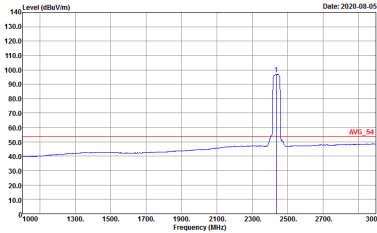


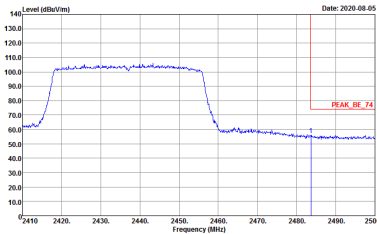
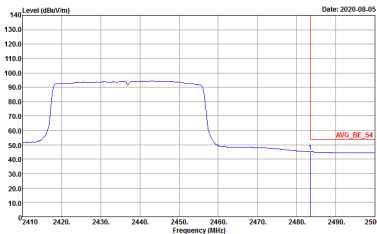
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112



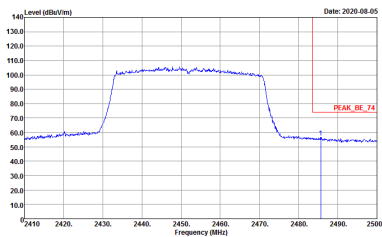
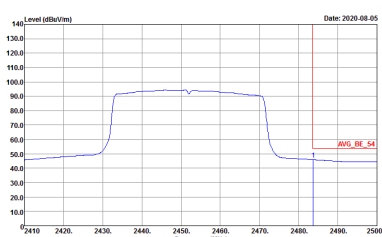
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 072112

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank

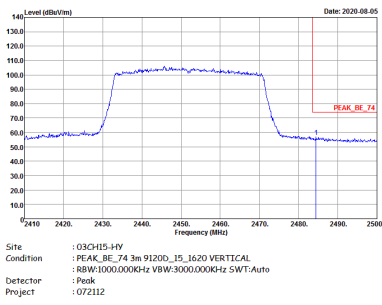
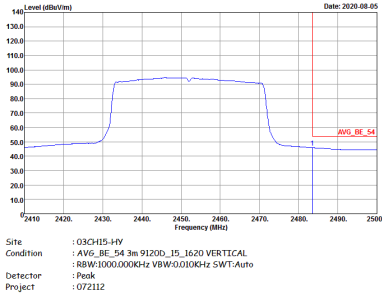


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
4+5	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112
	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112

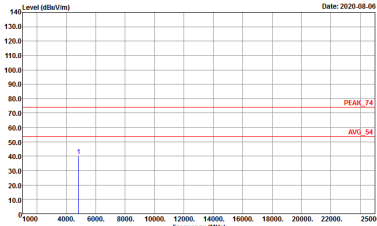
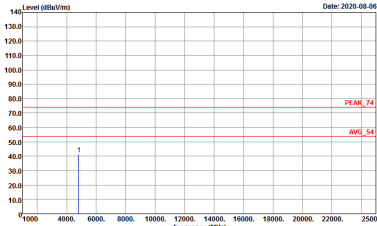
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 072112	Left blank



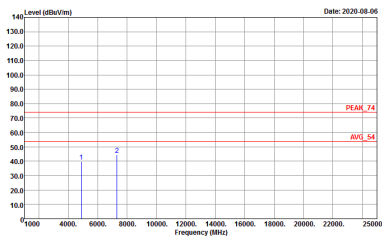
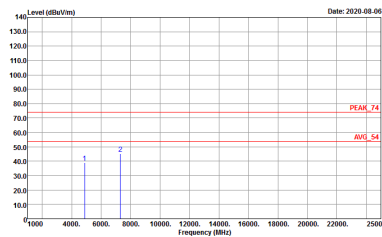
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
4+5	Vertical	Fundamental
Peak	Level (dBm/100kHz) vs Frequency (MHz) from 2310 to 2470 MHz. The plot shows a baseline around 50 dBm/100kHz with a sharp rise starting at 2430 MHz, reaching a plateau of approximately 100 dBm/100kHz by 2450 MHz. A red vertical line is at 2452 MHz. Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 3000 MHz. The plot shows a baseline around 50 dBm/100kHz with a sharp peak at 2452 MHz reaching approximately 110 dBm/100kHz. A red horizontal line labeled 'PEAK_74' is at 74 dBm/100kHz. Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	Level (dBm/100kHz) vs Frequency (MHz) from 2310 to 2470 MHz. The plot shows a baseline around 50 dBm/100kHz with a sharp rise starting at 2430 MHz, reaching a plateau of approximately 100 dBm/100kHz by 2450 MHz. A red vertical line is at 2452 MHz. Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 3000 MHz. The plot shows a baseline around 50 dBm/100kHz with a sharp peak at 2452 MHz reaching approximately 110 dBm/100kHz. A red horizontal line labeled 'AVG_54' is at 54 dBm/100kHz. Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		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	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

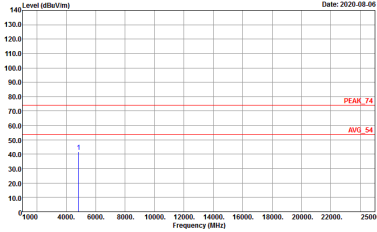
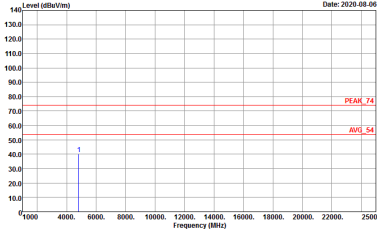


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
4+5	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-08-06 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Level (dBuV/m) Date: 2020-08-06 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

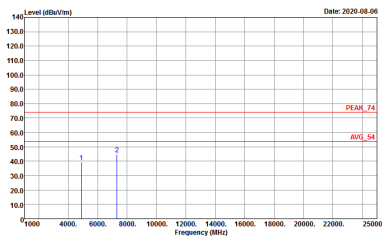
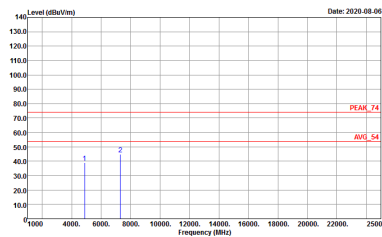


2.4GHz 2400~2483.5MHz

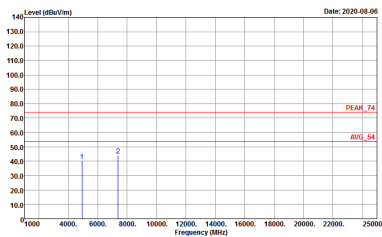
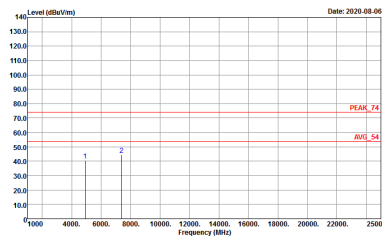
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

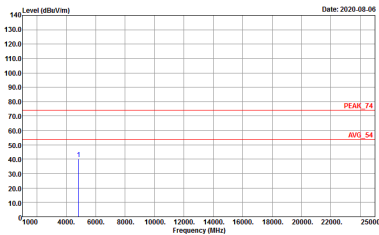
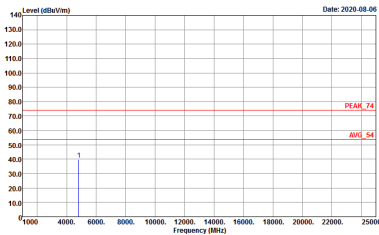


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
4+5	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-08-06 Frequency (MHz) Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Level (dBuV/m) Date: 2020-08-06 Frequency (MHz) Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

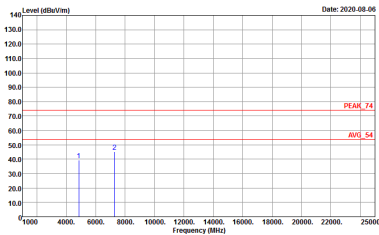
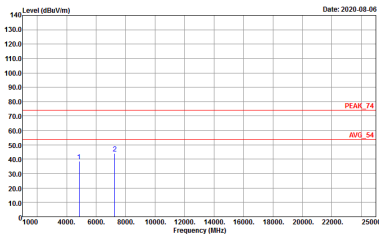


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
4+5	Horizontal	Vertical
Peak Avg.	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



2.4GHz 2400~2483.5MHz

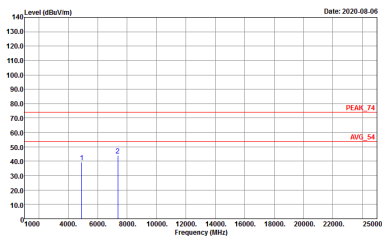
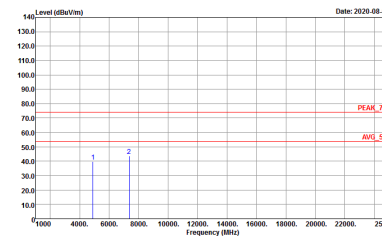
WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH03 2422MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

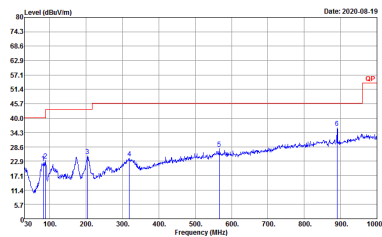
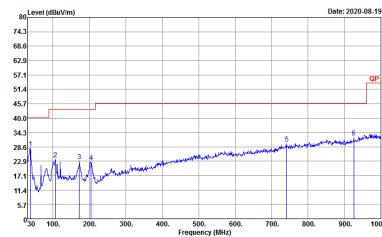


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH06 2437MHz	
4+5	Horizontal	Vertical
Peak Avg.	Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

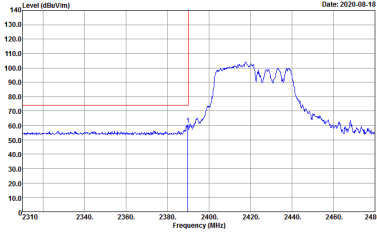
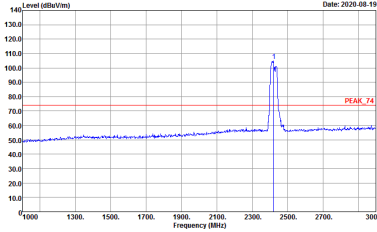
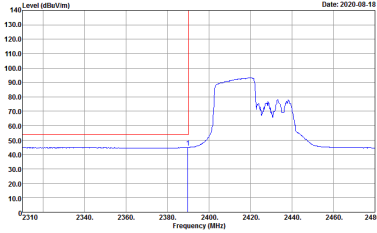
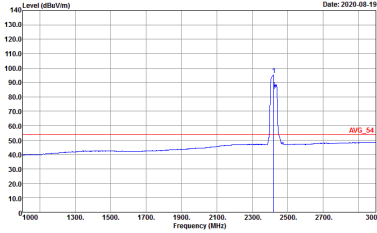


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH09 2452MHz	
4+5	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112

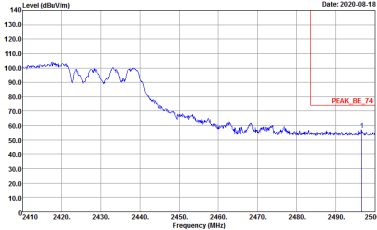
Emission below 1GHz
2.4GHz WIFI 802.11ax HE40 Full (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Full LF	
4+5	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 072112

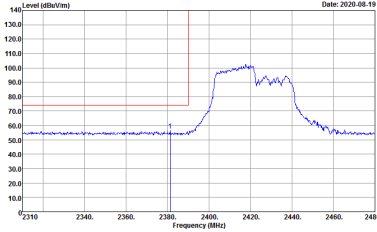
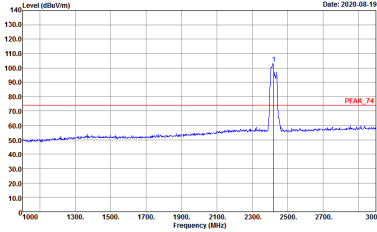
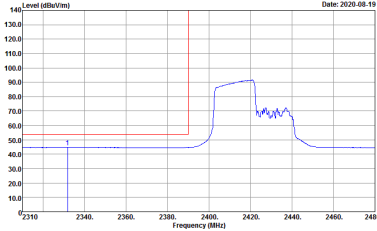
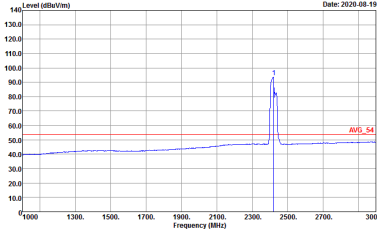
<Partially Loaded RUs>
2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 072112
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 072112	 Site : 03CH15-HY Condition : AV6_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 072112

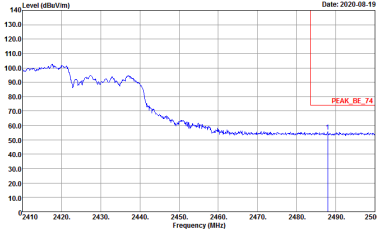
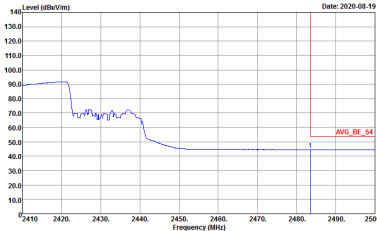


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 072112



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072112	Left blank



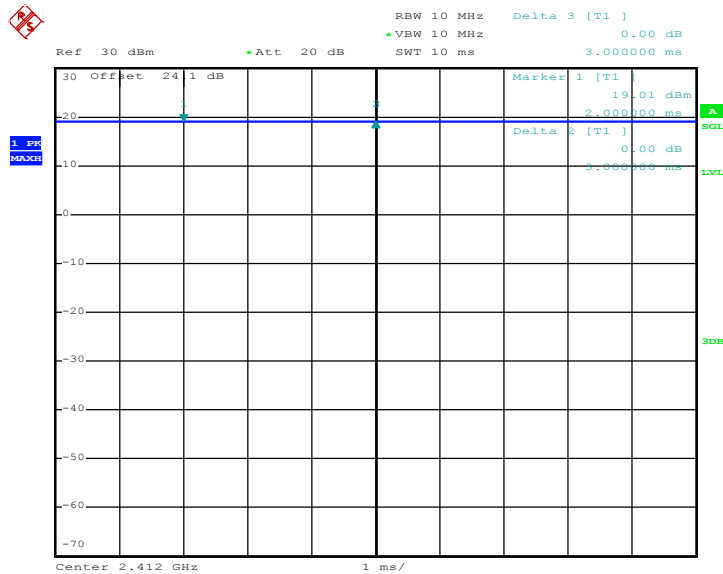
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
4+5	802.11b for Ant 4	100.00	-	-	10Hz	0.00
4+5	802.11b for Ant 5	100.00	-	-	10Hz	0.00
4+5	802.11g for Ant 4	99.06	-	-	10Hz	0.04
4+5	802.11g for Ant 5	99.06	-	-	10Hz	0.04
4+5	2.4GHz 802.11ax HE20 Full RU for Ant 4	100.00	-	-	10Hz	0.00
4+5	2.4GHz 802.11ax HE20 Full RU for Ant 5	100.00	-	-	10Hz	0.00
4+5	2.4GHz 802.11ax HE40 Full RU for Ant 4	100.00	-	-	10Hz	0.00
4+5	2.4GHz 802.11ax HE40 Full RU for Ant 5	100.00	-	-	10Hz	0.00
4+5	2.4GHz 802.11ax HE40_242 RU for Ant 4	100.00	-	-	10Hz	0.00
4+5	2.4GHz 802.11ax HE40_242 RU for Ant 5	100.00	-	-	10Hz	0.00



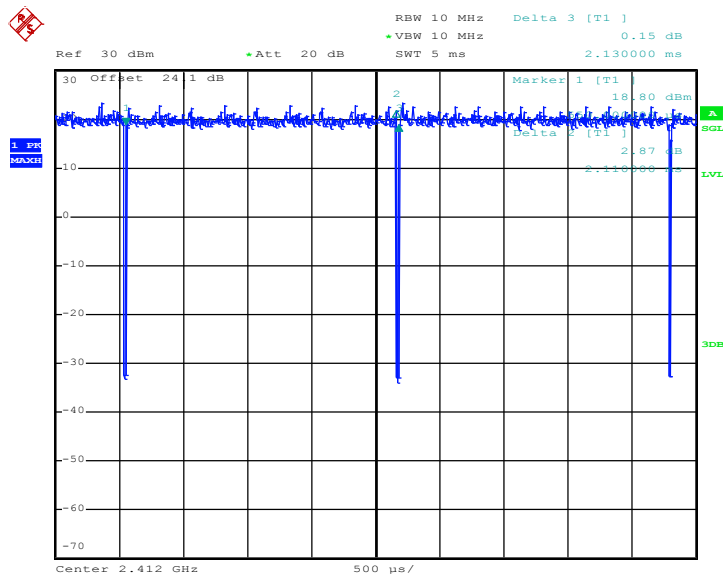
MIMO <Ant. 4>

802.11b



Date: 29.JUL.2020 09:47:58

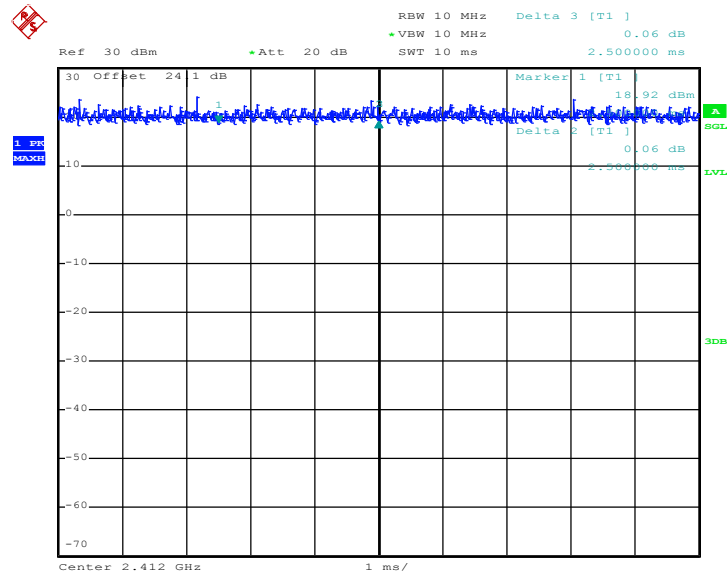
802.11g



Date: 29.JUL.2020 09:52:04

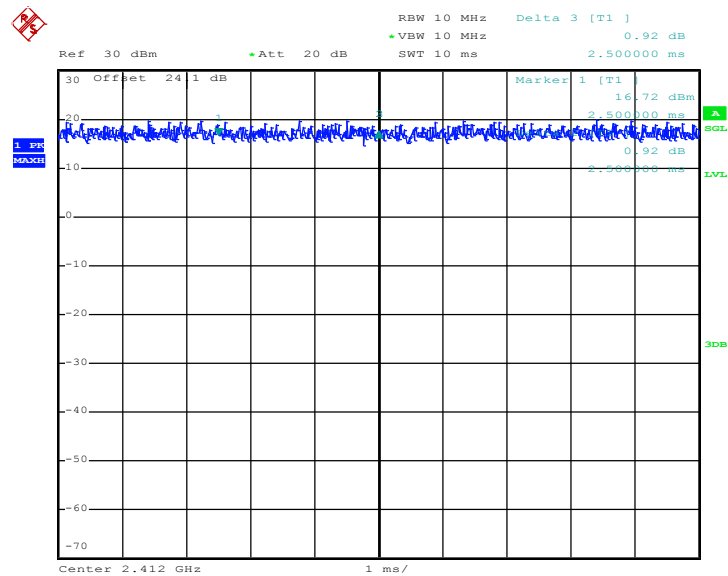


802.11ax HE20 Full RU



Date: 29.JUL.2020 10:04:18

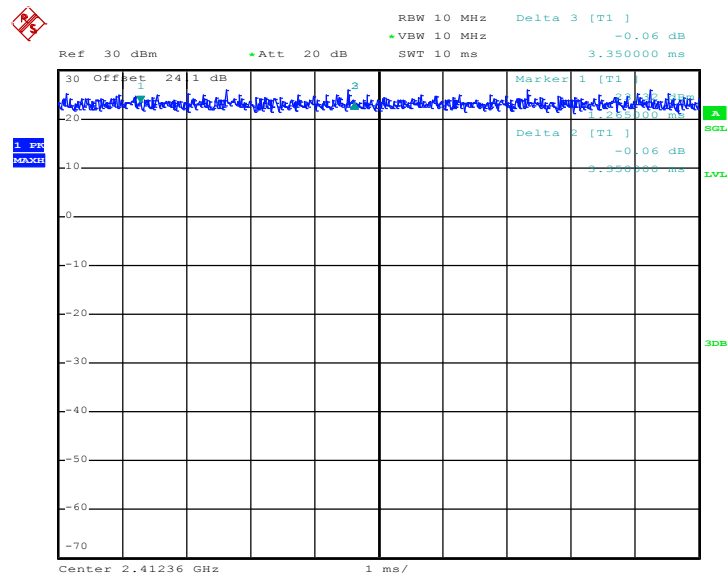
802.11ax HE40 Full RU



Date: 29.JUL.2020 10:07:27



802.11ax HE40 242 RU

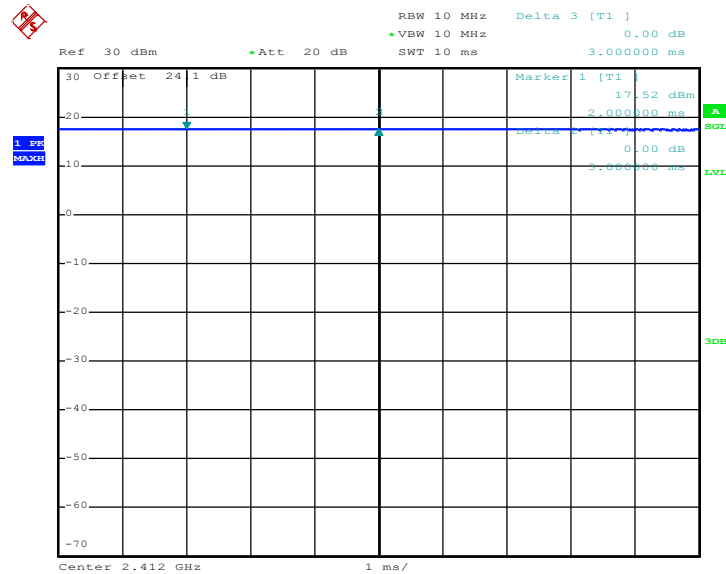


Date: 18.AUG.2020 15:16:14



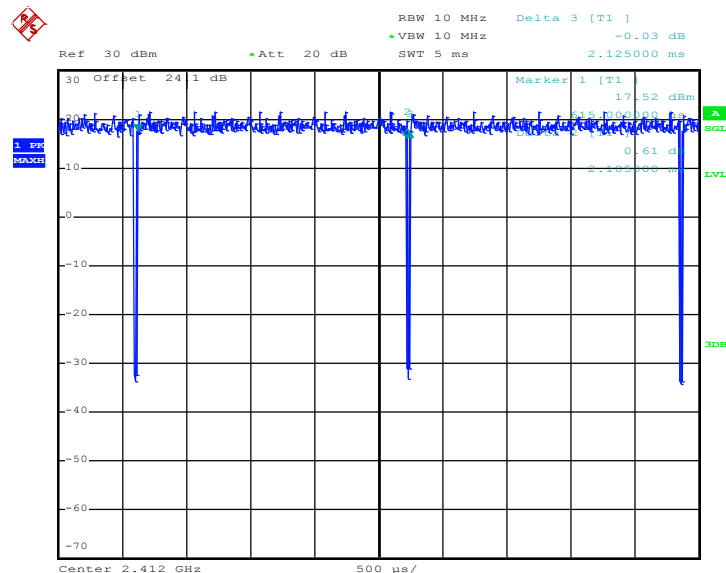
MIMO <Ant. 5>

802.11b



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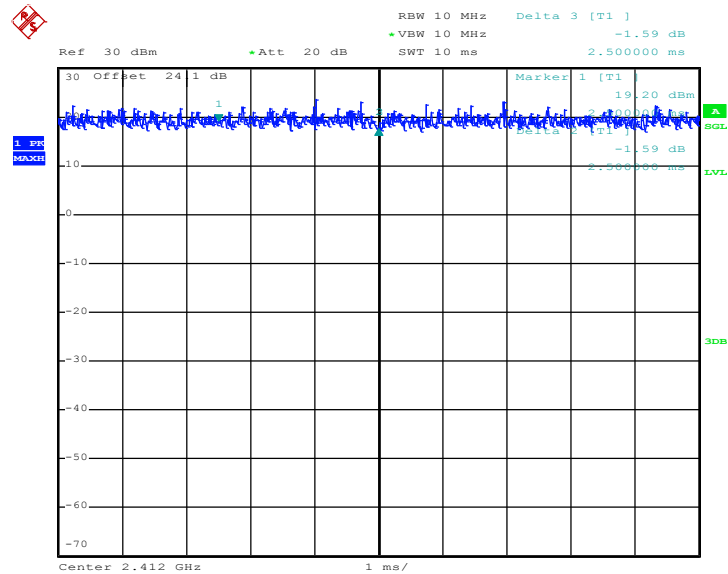
802.11g



Date: 29.JUL.2020 09:53:22

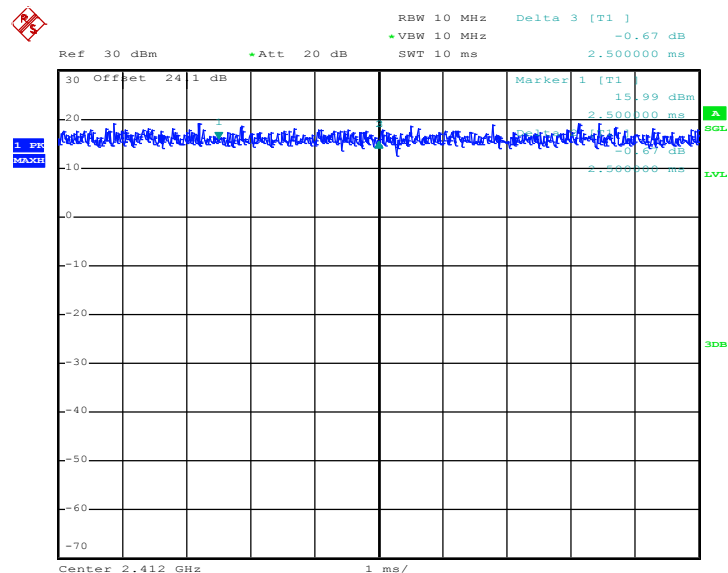


802.11ax HE20 Full RU



Date: 29.JUL.2020 10:04:53

802.11ax HE40 Full RU



Date: 29.JUL.2020 10:08:44

