



FCC RADIO TEST REPORT

FCC ID : PKRISGM2100
Equipment : Wireless Hotspot Modem
Brand Name : Inseego
Model Name : M2100
Marketing Name : M2100
Applicant : Inseego Corporation
9710 Scranton Road Suite 200, San Diego, CA 92121
Manufacturer : Inseego Corporation
9710 Scranton Road Suite 200, San Diego, CA 92121
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 16, 2020 and testing was started from May 24, 2020 and completed on Jul. 24, 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.

Louis Wu

Approved by: Louis Wu

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	5
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	8
2.3 Connection Diagram of Test System.....	9
2.4 Support Unit used in test configuration and system	10
2.5 EUT Operation Test Setup	10
2.6 Measurement Results Explanation Example.....	10
3 Test Result	11
3.1 26dB & 99% Occupied Bandwidth Measurement	11
3.2 Maximum Conducted Output Power Measurement	14
3.3 Power Spectral Density Measurement	15
3.4 Unwanted Emissions Measurement.....	18
3.5 AC Conducted Emission Measurement.....	22
3.6 Automatically Discontinue Transmission	24
3.7 Antenna Requirements.....	25
4 List of Measuring Equipment.....	26
5 Uncertainty of Evaluation	28
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FR041648B	01	Initial issue of report	Jul. 27, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
0	15.407(b)	Unwanted Emissions	Pass	Under limit 5.34 dB at 5149.760 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 16.75 dB at 0.152 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	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: Amy Chen



1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN: Fixed Internal Antenna WLAN: <Ant. 0>: Fixed Internal Antenna <Ant. 1>: Fixed Internal Antenna GPS: Fixed Internal Antenna

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 E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40, 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "[#]" were 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

The CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power and PSD than full RU's, thus the full RU is chosen as main test configuration, and the partial RU is verified the band edge in accordance with the TCB workshop, Oct. 3rd .2018.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

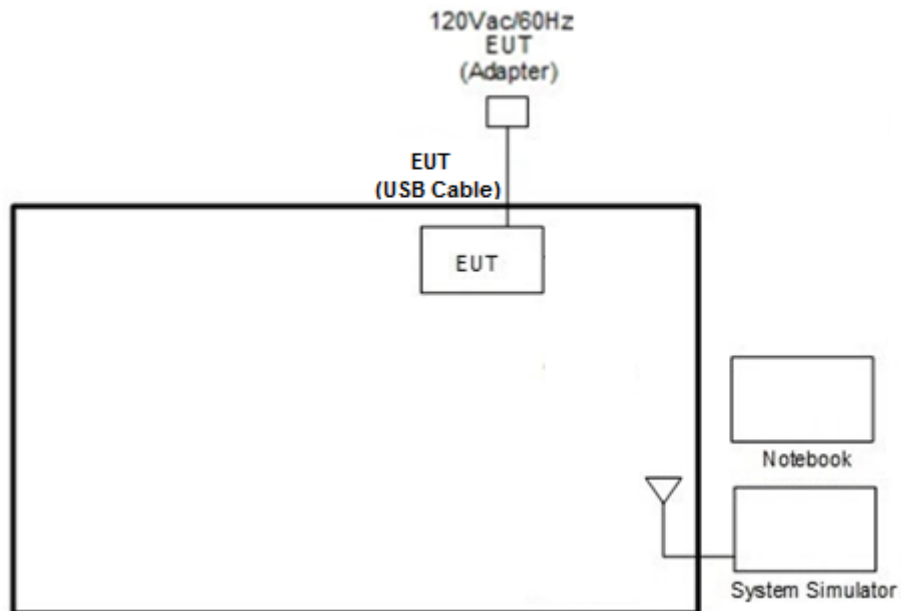
Test Cases	
AC Conducted Emission	Mode 1 : WCDMA Band V Idle + WLAN (5GHz) Link + Battery 1 + USB Cable (Charging from AC Adapter)
Remark: For Radiated Test Cases, the tests were performed with Battery 1.	

Ch. #		Band I : 5150-5250 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	36	36	38	-
M	Middle	44	44	-	42
H	High	48	48	46	-

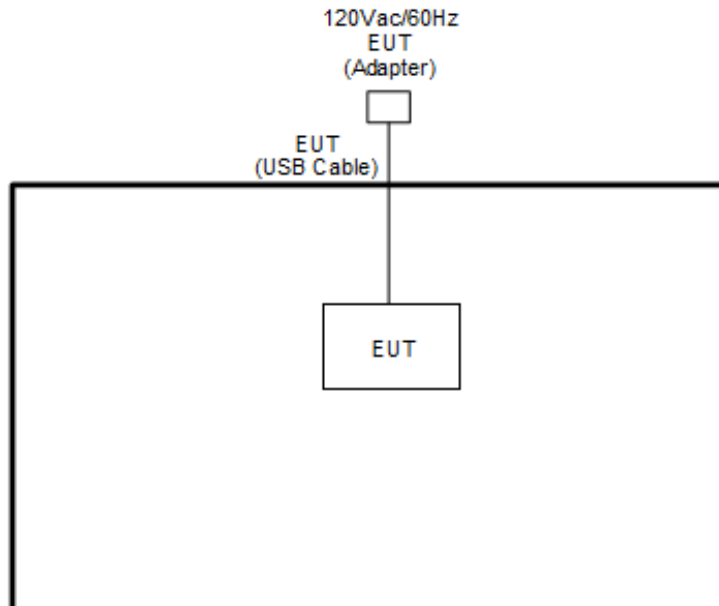
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power, the worst mode of WLAN and LTE for simultaneous transmission were verified and compliant.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT4 V4.0.00156.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

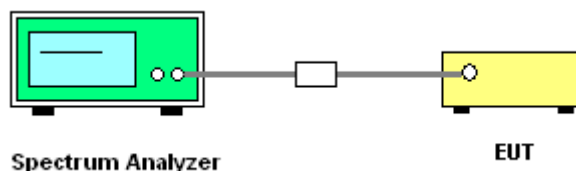
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

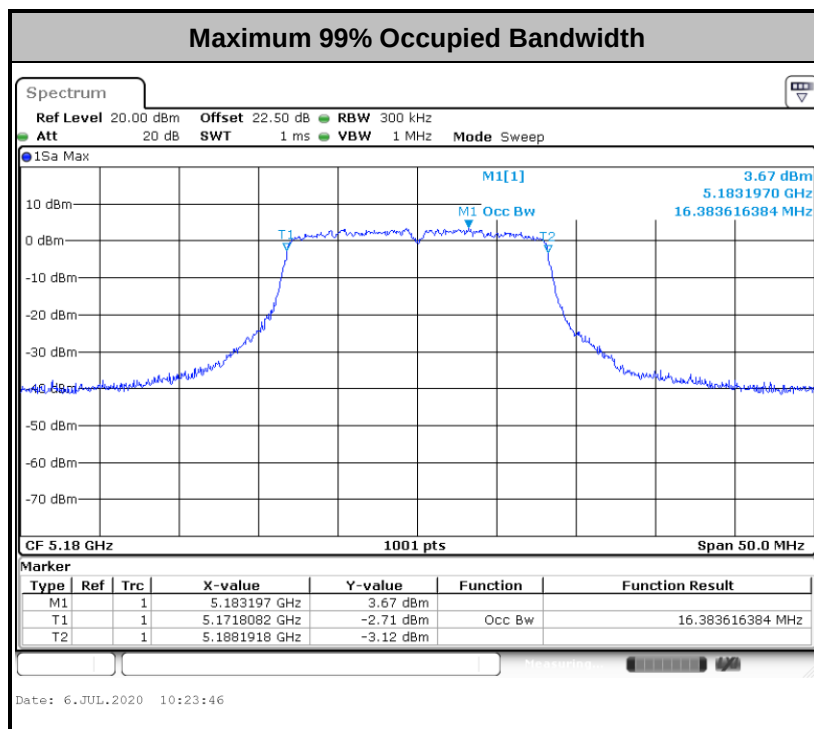
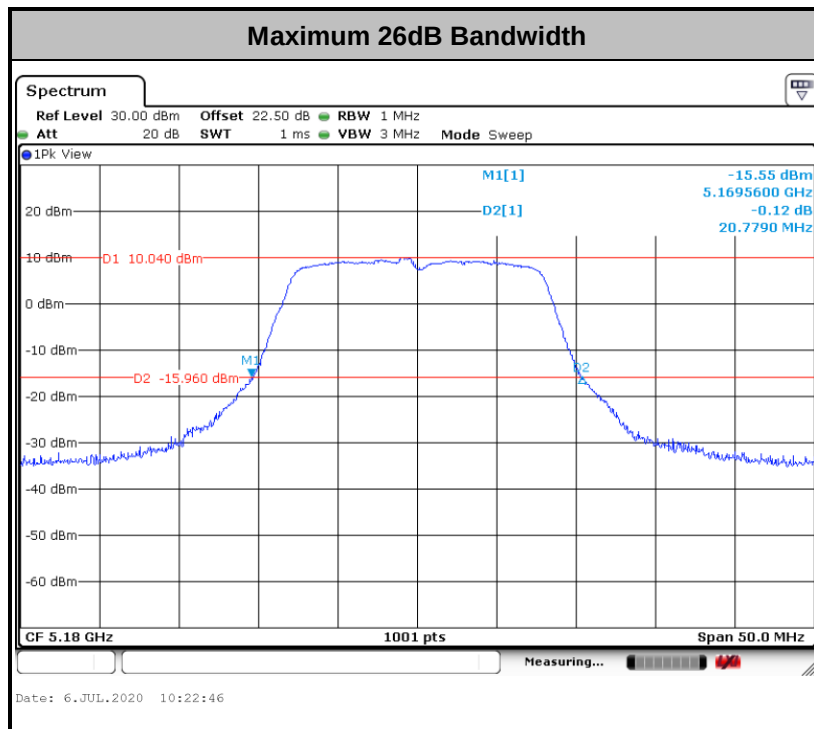
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. 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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

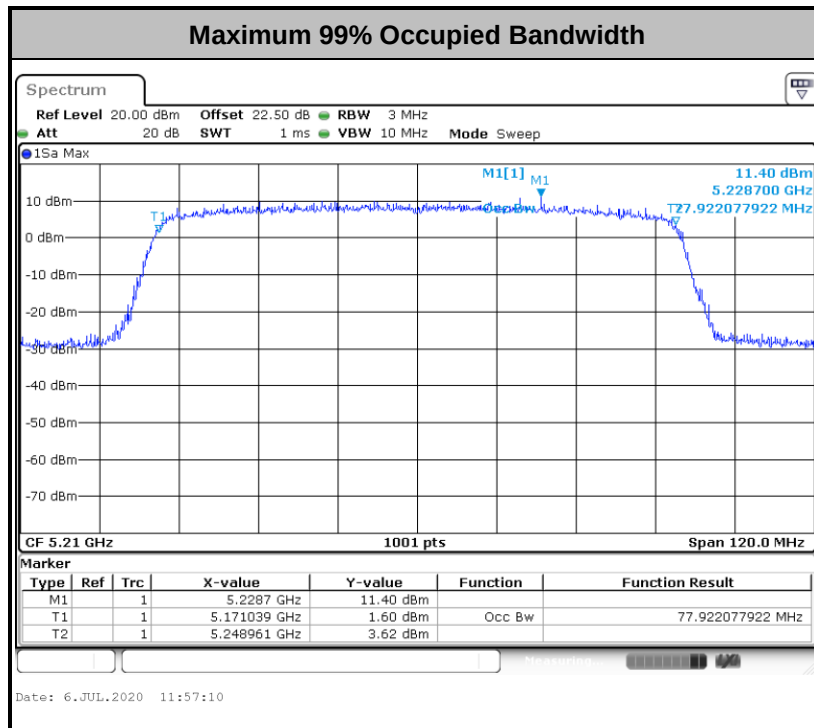
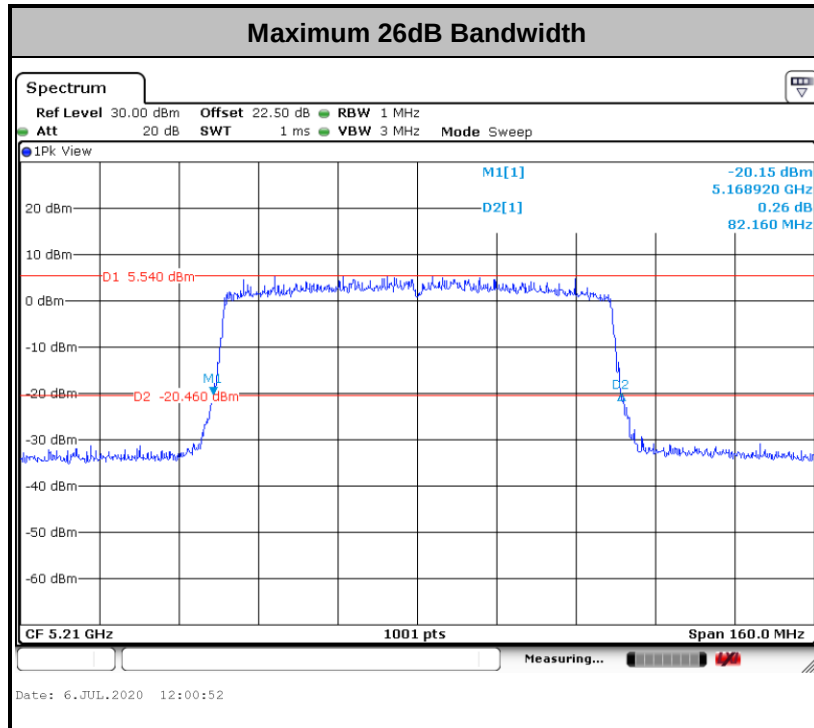
Please refer to Appendix A.



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



<For 802.11ax Mode>



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

- For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

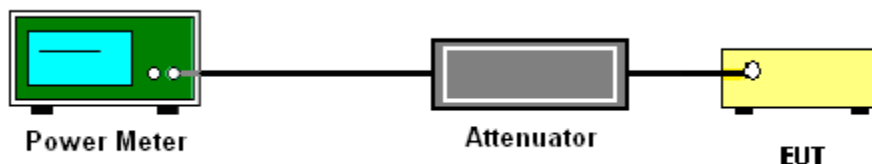
<CDD Modes>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

<CDD Modes>

Method SA-3

(power averaging (rms) detection with max hold):

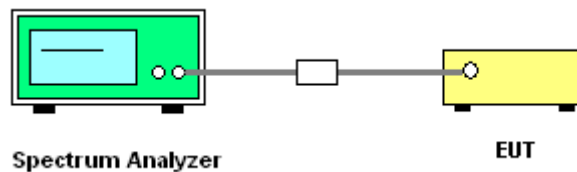
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

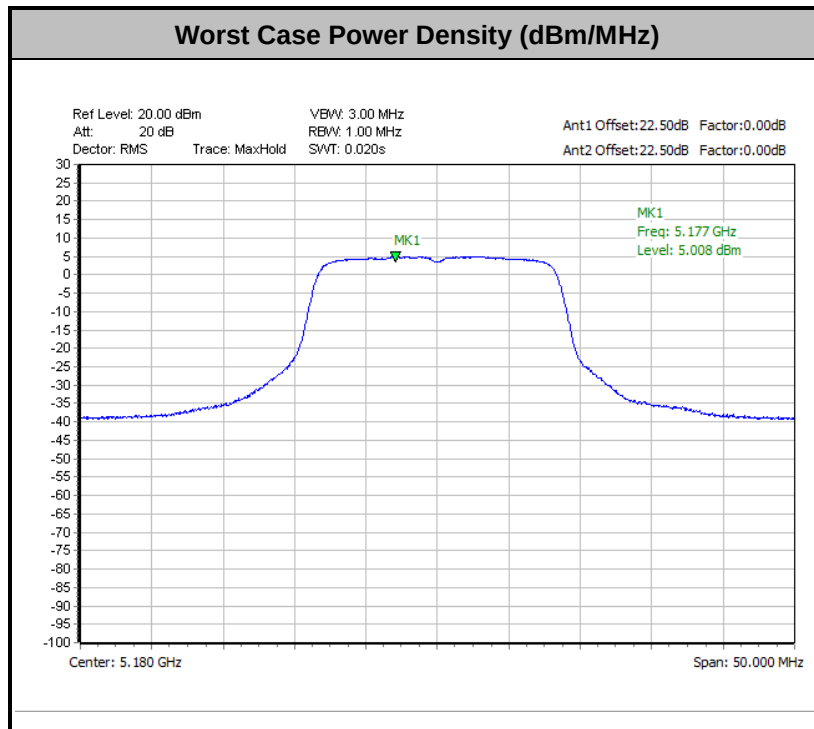
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup

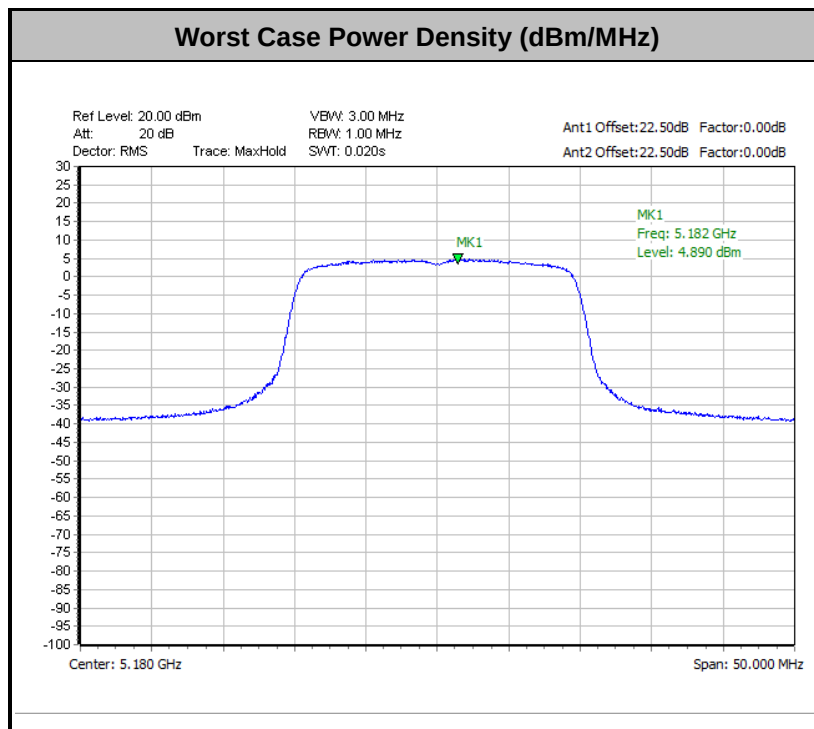


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



<For 802.11ax Mode>





3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

- (3) KDB789033 D02 v02r01 G)2)c)
 - (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.
 - (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

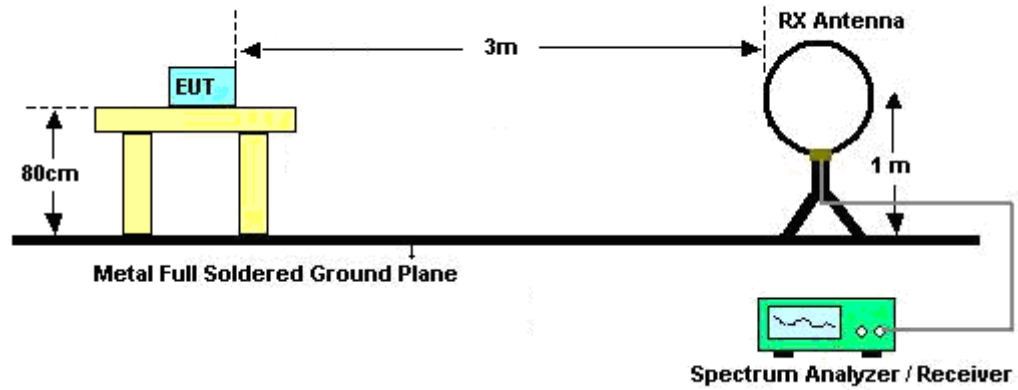


3.4.3 Test Procedures

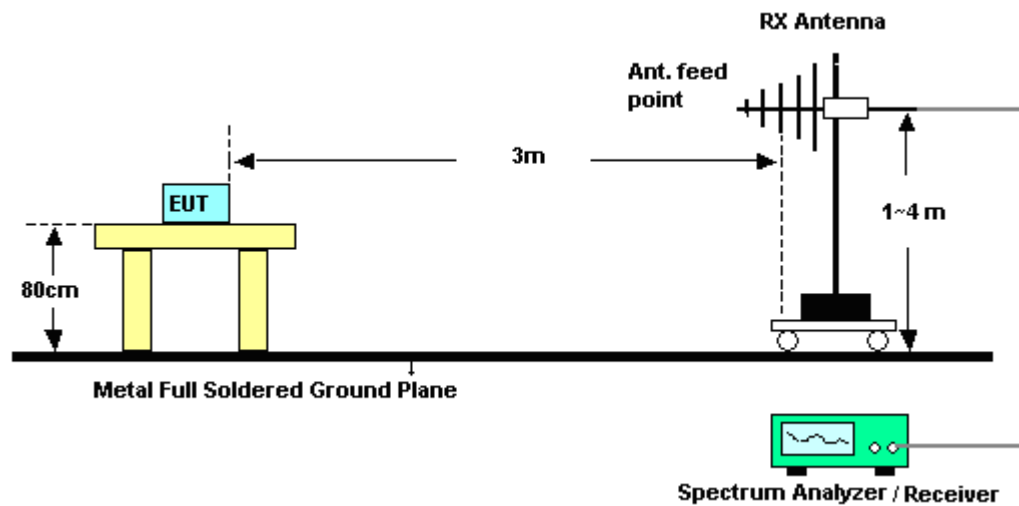
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - 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.
2. 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.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
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.

3.4.4 Test Setup

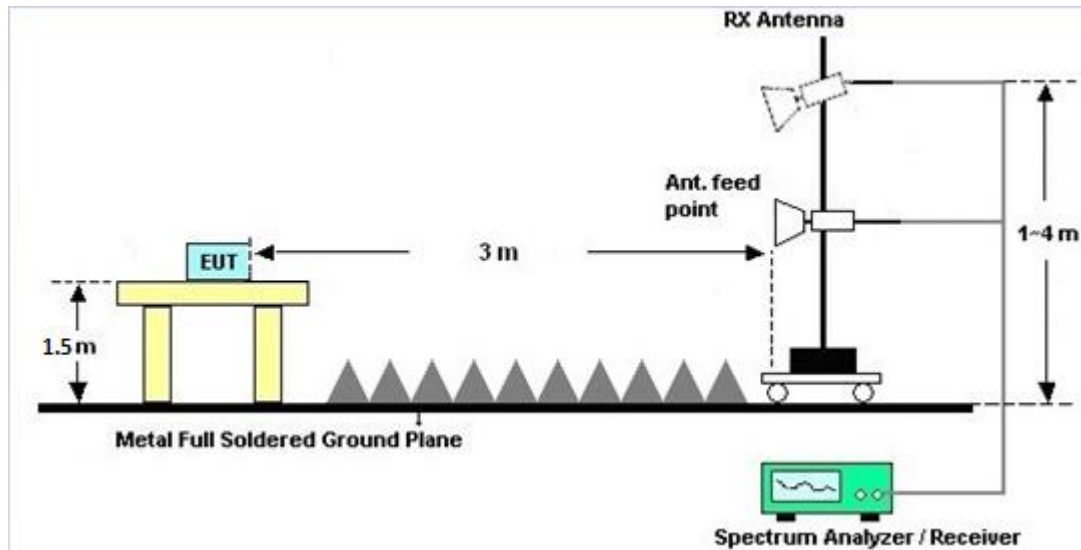
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

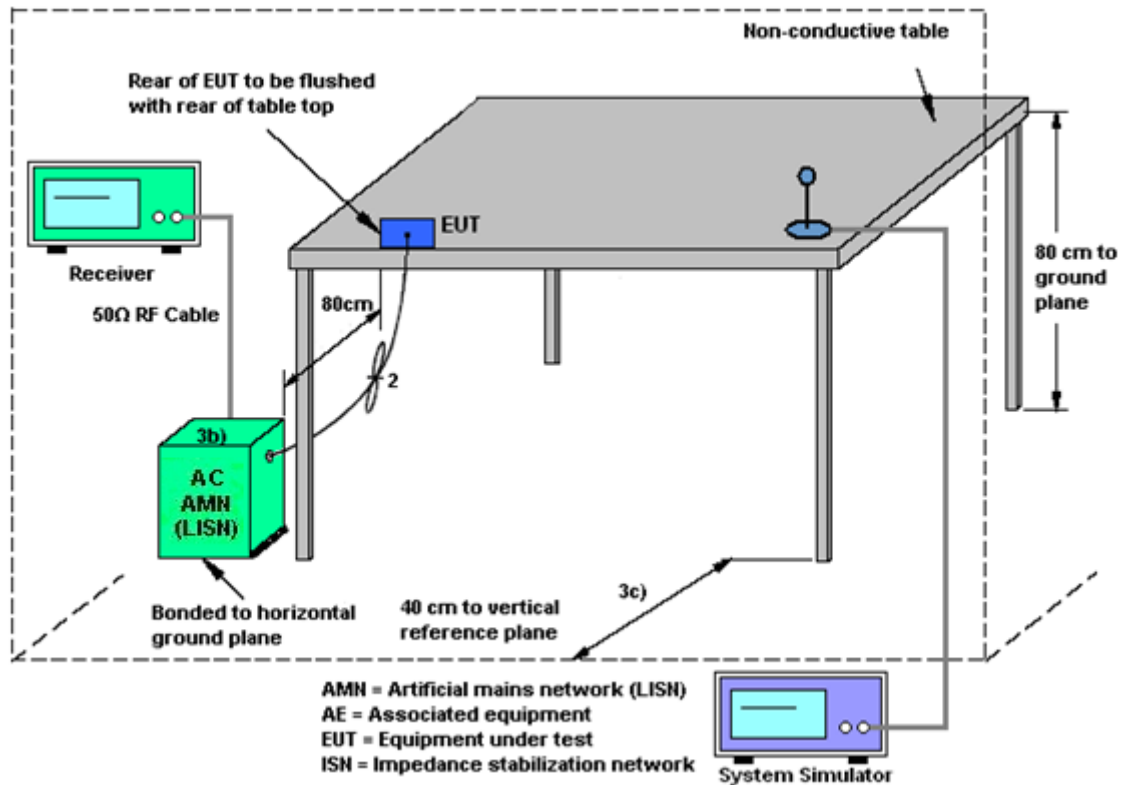
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room 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 with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

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 = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

For power, the directional gain GANT 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>						
	Ant. 0	Ant. 1	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.60	3.00	3.00	5.81	0.00	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jun. 05, 2020~ Jul. 09, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D& 00800N1D0 1N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1620	1-18GHz	Oct. 28, 2019	Jun. 05, 2020~ Jul. 09, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55- 303	171000180005 5006	1GHz~18GHz	May 07, 2020	Jun. 05, 2020~ Jul. 09, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2019	Jun. 05, 2020~ Jul. 09, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 01, 2019	Jun. 05, 2020~ Jul. 09, 2020	Oct. 31, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Jun. 05, 2020~ Jul. 09, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 14, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000- 1530-8000-4 OSS	SN4	1.53G Low Pass	Jul. 04, 2019	Jun. 03, 2020~ Jul. 02, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000- 1530-8000-4 OSS	SN4	1.53G Low Pass	Jul. 03, 2020	Jul. 03, 2020~ Jul. 09, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-587 2.5-6750-18 000-40ST	SN6	6.75GHz High Pass Filter	Jul. 04, 2019	Jun. 03, 2020~ Jul. 02, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-587 2.5-6750-18 000-40ST	SN6	6.75GHz High Pass Filter	Jul. 03, 2020	Jul. 03, 2020~ Jul. 09, 2020	Jul. 02, 2021	Radiation (03CH15-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 01, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jun. 01, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jun. 01, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jun. 01, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 01, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jun. 01, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jun. 01, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	HTC-1	2	N/A	Mar. 02, 2020	May 24, 2020~ Jul. 24, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015SN O36	10MHz~6GHz	Jan. 22, 2020	May 24, 2020~ Jul. 24, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101906	10Hz~40GHz	May 07, 2020	May 24, 2020~ Jul. 24, 2020	May 06, 2021	Conducted (TH05-HY)
Switch Control Manframe	Burgeon	ETF-1405-0	EC1900157	N/A	Aug. 15, 2019	May 24, 2020~ Jul. 24, 2020	Aug. 14, 2020	Conducted (TH05-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
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	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:	Jacob Yu	Temperature:	21.5~23.7	°C
Test Date:	2020/5/24~2020/7/24	Relative Humidity:	51~55.8	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	16.38	16.38	20.78	20.28	-	-	22.14	-	
11a	6Mbps	2	44	5220	16.38	16.38	20.73	20.63	-	-	22.14	-	
11a	6Mbps	2	48	5240	16.33	16.38	20.73	20.53	-	-	22.13	-	

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	36	5180	Full	18.88	18.88	22.13	22.13	-		22.76		
HE20	MCS0	2	44	5220	Full	18.88	18.88	21.98	22.03	-		22.76		
HE20	MCS0	2	48	5240	Full	18.88	18.88	21.98	21.98	-		22.76		
HE40	MCS0	2	38	5190	Full	37.76	37.76	41.27	41.18	-		23.01		
HE40	MCS0	2	46	5230	Full	37.76	37.96	41.18	41.18	-		23.01		
HE80	MCS0	2	42	5210	Full	77.92	77.92	81.68	82.16	-		23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	36	5180	12.0	12.7		24.00	24.00	2.60	3.00		Pass
11a	6Mbps	1	44	5220	11.9	12.4		24.00	24.00	2.60	3.00		Pass
11a	6Mbps	1	48	5240	12.0	12.8		24.00	24.00	2.60	3.00		Pass
HT20	MCS0	1	36	5180	11.8	12.5		24.00	24.00	2.60	3.00		Pass
HT20	MCS0	1	44	5220	11.7	12.3		24.00	24.00	2.60	3.00		Pass
HT20	MCS0	1	48	5240	11.8	12.4		24.00	24.00	2.60	3.00		Pass
HT40	MCS0	1	38	5190	11.8	12.4		24.00	24.00	2.60	3.00		Pass
HT40	MCS0	1	46	5230	11.7	12.2		24.00	24.00	2.60	3.00		Pass
VHT20	MCS0	1	36	5180	11.7	12.4		24.00	24.00	2.60	3.00		Pass
VHT20	MCS0	1	44	5220	11.6	12.1		24.00	24.00	2.60	3.00		Pass
VHT20	MCS0	1	48	5240	11.7	12.3		24.00	24.00	2.60	3.00		Pass
VHT40	MCS0	1	38	5190	11.7	12.2		24.00	24.00	2.60	3.00		Pass
VHT40	MCS0	1	46	5230	11.6	12.1		24.00	24.00	2.60	3.00		Pass
VHT80	MCS0	1	42	5210	11.8	12.3		24.00	24.00	2.60	3.00		Pass

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	13.0	12.8	15.9	24.00		3.00			Pass
11a	6Mbps	2	44	5220	12.8	12.5	15.7	24.00		3.00			Pass
11a	6Mbps	2	48	5240	13.0	12.7	15.9	24.00		3.00			Pass
HT20	MCS0	2	36	5180	13.0	12.6	15.8	24.00		3.00			Pass
HT20	MCS0	2	44	5220	12.9	12.4	15.7	24.00		3.00			Pass
HT20	MCS0	2	48	5240	13.0	12.5	15.8	24.00		3.00			Pass
HT40	MCS0	2	38	5190	13.0	12.5	15.8	24.00		3.00			Pass
HT40	MCS0	2	46	5230	12.9	12.3	15.6	24.00		3.00			Pass
VHT20	MCS0	2	36	5180	13.0	12.5	15.8	24.00		3.00			Pass
VHT20	MCS0	2	44	5220	12.8	12.2	15.5	24.00		3.00			Pass
VHT20	MCS0	2	48	5240	12.9	12.4	15.7	24.00		3.00			Pass
VHT40	MCS0	2	38	5190	12.8	12.3	15.6	24.00		3.00			Pass
VHT40	MCS0	2	46	5230	12.8	12.2	15.5	24.00		3.00			Pass
VHT80	MCS0	2	42	5210	12.6	12.4	15.5	24.00		3.00			Pass

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	1	36	5180	Full	11.9	12.6		24.00	24.00	2.60	3.00	Pass
HE20	MCS0	1	44	5220	Full	11.8	12.3		24.00	24.00	2.60	3.00	Pass
HE20	MCS0	1	48	5240	Full	11.9	12.5		24.00	24.00	2.60	3.00	Pass
HE40	MCS0	1	38	5190	Full	11.9	12.6		24.00	24.00	2.60	3.00	Pass
HE40	MCS0	1	46	5230	Full	11.8	12.5		24.00	24.00	2.60	3.00	Pass
HE80	MCS0	1	42	5210	Full	11.9	12.7		24.00	24.00	2.60	3.00	Pass

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	36	5180	Full	13.1	12.7	15.9	24.00		3.00		Pass
HE20	MCS0	2	44	5220	Full	13.0	12.4	15.7	24.00		3.00		Pass
HE20	MCS0	2	48	5240	Full	13.1	12.6	15.9	24.00		3.00		Pass
HE40	MCS0	2	38	5190	Full	13.2	12.7	16.0	24.00		3.00		Pass
HE40	MCS0	2	46	5230	Full	13.3	12.6	16.0	24.00		3.00		Pass
HE80	MCS0	2	42	5210	Full	13.1	12.8	16.0	24.00		3.00		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180			5.01	11.00		5.81		Pass
11a	6Mbps	2	44	5220			4.45	11.00		5.81		Pass
11a	6Mbps	2	48	5240			4.93	11.00		5.81		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full			4.89	11.00		5.81			Pass
HE20	MCS0	2	36	5180	26/0			4.15	11.00		5.81			Pass
HE20	MCS0	2	36	5180	52/37			3.80	11.00		5.81			Pass
HE20	MCS0	2	36	5180	106/53			3.90	11.00		5.81			Pass
HE20	MCS0	2	44	5220	Full			4.41	11.00		5.81			Pass
HE20	MCS0	2	44	5220	26/4			4.36	11.00		5.81			Pass
HE20	MCS0	2	48	5240	Full			4.84	11.00		5.81			Pass
HE20	MCS0	2	48	5240	26/8			4.19	11.00		5.81			Pass
HE20	MCS0	2	48	5240	52/40			4.37	11.00		5.81			Pass
HE20	MCS0	2	48	5240	106/54			4.11	11.00		5.81			Pass
HE40	MCS0	2	38	5190	Full			1.85	11.00		5.81			Pass
HE40	MCS0	2	38	5190	242/61			0.67	11.00		5.81			Pass
HE40	MCS0	2	46	5230	Full			1.82	11.00		5.81			Pass
HE40	MCS0	2	46	5230	242/62			1.02	11.00		5.81			Pass
HE80	MCS0	2	42	5210	Full			-1.03	11.00		5.81			Pass
HE80	MCS0	2	42	5210	484/65			-1.96	11.00		5.81			Pass
HE80	MCS0	2	42	5210	484/66		-1.69	11.00		5.81			Pass	



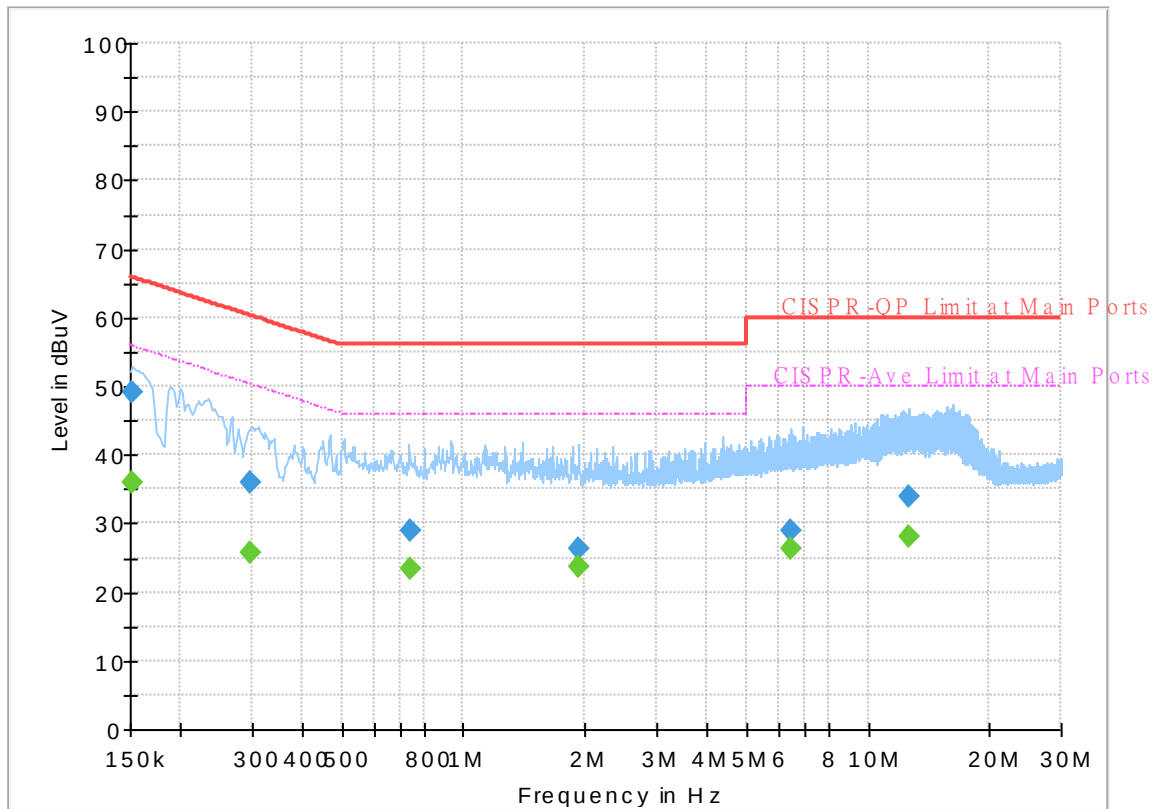
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	21~24℃
		Relative Humidity :	42~50%

EUT Information

Report NO : 041648
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



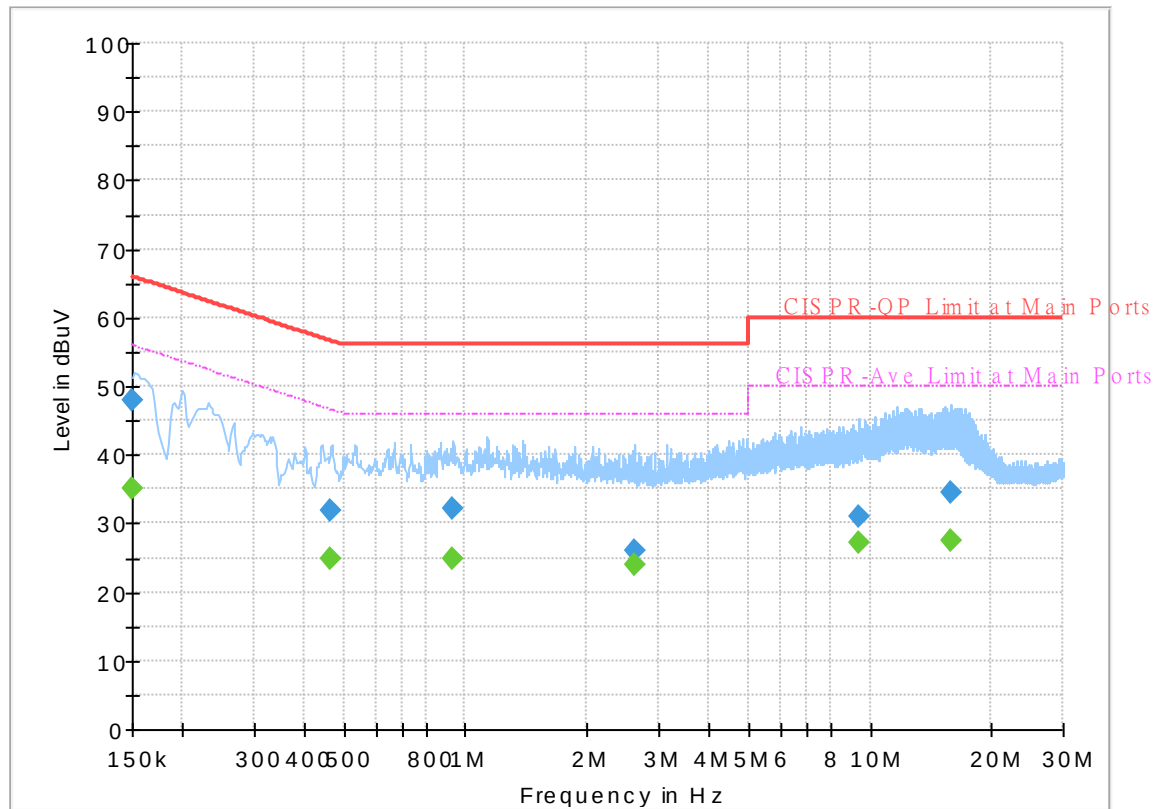
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152228	---	36.06	55.88	19.82	L1	OFF	19.6
0.152228	49.13	---	65.88	16.75	L1	OFF	19.6
0.297780	---	25.85	50.31	24.46	L1	OFF	19.6
0.297780	36.03	---	60.31	24.28	L1	OFF	19.6
0.737250	---	23.46	46.00	22.54	L1	OFF	19.6
0.737250	28.94	---	56.00	27.06	L1	OFF	19.6
1.927500	---	23.76	46.00	22.24	L1	OFF	19.6
1.927500	26.29	---	56.00	29.71	L1	OFF	19.6
6.461250	---	26.32	50.00	23.68	L1	OFF	19.9
6.461250	29.07	---	60.00	30.93	L1	OFF	19.9
12.663510	---	28.04	50.00	21.96	L1	OFF	20.2
12.663510	33.91	---	60.00	26.09	L1	OFF	20.2

EUT Information

Report NO : 041648
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)
0.150675	---	35.07	55.96	20.89	N	OFF	19.6
0.150675	48.06	---	65.96	17.90	N	OFF	19.6
0.462750	---	24.83	46.64	21.81	N	OFF	19.6
0.462750	31.91	---	56.64	24.73	N	OFF	19.6
0.932730	---	24.79	46.00	21.21	N	OFF	19.6
0.932730	32.27	---	56.00	23.73	N	OFF	19.6
2.616180	---	23.83	46.00	22.17	N	OFF	19.7
2.616180	25.93	---	56.00	30.07	N	OFF	19.7
9.379770	---	27.18	50.00	22.82	N	OFF	20.1
9.379770	31.07	---	60.00	28.93	N	OFF	20.1
15.802980	---	27.49	50.00	22.51	N	OFF	20.2
15.802980	34.55	---	60.00	25.45	N	OFF	20.2



Appendix C. Radiated Spurious Emission

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5058.24	52.58	-21.42	74	40.73	31.92	10.36	30.43	100	298	P	H
		5148.46	42.06	-11.94	54	29.9	32.1	10.49	30.43	100	298	A	H
	*	5180	110.29	-	-	98.27	31.91	10.54	30.43	100	298	P	H
	*	5180	101.99	-	-	89.97	31.91	10.54	30.43	100	298	A	H
													H
													H
		5114.92	51.96	-22.04	74	39.92	32.03	10.44	30.43	350	137	P	V
		5135.98	41.74	-12.26	54	29.63	32.07	10.47	30.43	350	137	A	V
	*	5180	107.8	-	-	95.77	31.92	10.54	30.43	350	137	P	V
	*	5180	100.04	-	-	88.01	31.92	10.54	30.43	350	137	A	V
													V
													V
802.11a CH 44 5220MHz		5147.94	52.87	-21.13	74	40.71	32.1	10.49	30.43	107	299	P	H
		5117	41.9	-12.1	54	29.85	32.03	10.45	30.43	107	299	A	H
	*	5220	109.9	-	-	98.07	31.68	10.58	30.43	107	299	P	H
	*	5220	101.24	-	-	89.41	31.68	10.58	30.43	107	299	A	H
		5410.72	52.29	-21.71	74	40.35	31.7	10.67	30.43	107	299	P	H
		5414.64	41.63	-12.37	54	29.68	31.7	10.68	30.43	107	299	A	H
		5089.7	51.95	-22.05	74	39.99	31.98	10.41	30.43	315	136	P	V
		5099.32	41.66	-12.34	54	29.67	32	10.42	30.43	315	136	A	V
	*	5220	106.63	-	-	94.8	31.68	10.58	30.43	315	136	P	V
	*	5220	99.16	-	-	87.33	31.68	10.58	30.43	315	136	A	V
		5385.24	50.97	-23.03	74	39.14	31.61	10.65	30.43	315	136	P	V
		5459.72	41.49	-12.51	54	29.43	31.76	10.73	30.43	315	136	A	V



802.11a CH 48 5240MHz		5141.7	52.43	-21.57	74	40.3	32.08	10.48	30.43	100	297	P	H
		5107.12	42.02	-11.98	54	30.01	32.01	10.43	30.43	100	297	A	H
	*	5240	110.67	-	-	98.95	31.56	10.59	30.43	100	297	P	H
	*	5240	102.12	-	-	90.4	31.56	10.59	30.43	100	297	A	H
		5456.08	51.99	-22.01	74	39.95	31.74	10.73	30.43	100	297	P	H
		5425.56	41.8	-12.2	54	29.84	31.7	10.69	30.43	100	297	A	H
		5149.76	52.6	-21.4	74	40.44	32.1	10.49	30.43	362	141	P	V
		5106.34	41.74	-12.26	54	29.73	32.01	10.43	30.43	362	141	A	V
	*	5240	107.52	-	-	95.8	31.56	10.59	30.43	362	141	P	V
	*	5240	99.89	-	-	88.17	31.56	10.59	30.43	362	141	A	V
		5431.16	52.75	-21.25	74	40.78	31.7	10.7	30.43	362	141	P	V
		5460	41.54	-12.46	54	29.48	31.76	10.73	30.43	362	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	50.52	-17.68	68.2	57.26	39.9	14.26	60.9	100	0	P	H
		15540	47.71	-26.29	74	55.13	38	17.29	62.71	100	0	P	H
													H
													H
		10360	50.14	-18.06	68.2	56.88	39.9	14.26	60.9	100	0	P	V
		15540	48.39	-25.61	74	55.81	38	17.29	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.43	-19.77	68.2	55.05	40.1	14.3	61.02	100	0	P	H
		15660	47.93	-26.07	74	55.09	37.58	17.39	62.13	100	0	P	H
													H
													H
		10440	49.4	-18.8	68.2	56.02	40.1	14.3	61.02	100	0	P	V
		15660	48.24	-25.76	74	55.4	37.58	17.39	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	49.27	-18.93	68.2	55.93	40.1	14.31	61.07	100	0	P	H
		15720	49.29	-24.71	74	56.25	37.46	17.42	61.84	100	0	P	H
													H
													H
		10480	49.69	-18.51	68.2	56.35	40.1	14.31	61.07	100	0	P	V
		15720	47.97	-26.03	74	54.93	37.46	17.42	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802. 11ax(HE20) (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE20) CH 36 5180MHz		5032.5	52.3	-21.7	74	40.58	31.83	10.32	30.43	148	314	P	H
		5149.76	42.26	-11.74	54	30.1	32.1	10.49	30.43	148	314	A	H
	*	5180	112.36	-	-	100.33	31.92	10.54	30.43	148	314	P	H
	*	5180	101.86	-	-	89.83	31.92	10.54	30.43	148	314	A	H
													H
													H
		5148.2	52.41	-21.59	74	40.25	32.1	10.49	30.43	348	137	P	V
		5149.5	41.71	-12.29	54	29.55	32.1	10.49	30.43	348	137	A	V
	*	5180	110.01	-	-	97.98	31.92	10.54	30.43	348	137	P	V
	*	5180	98.87	-	-	86.84	31.92	10.54	30.43	348	137	A	V
													V
													V
802. 11ax (HE20) CH 44 5220MHz		5046.8	52.29	-21.71	74	40.49	31.89	10.34	30.43	100	311	P	H
		5117	41.83	-12.17	54	29.78	32.03	10.45	30.43	100	311	A	H
	*	5220	112.35	-	-	100.52	31.68	10.58	30.43	100	311	P	H
	*	5220	100.33	-	-	88.5	31.68	10.58	30.43	100	311	A	H
		5354.16	51.31	-22.69	74	39.68	31.42	10.64	30.43	100	311	P	H
		5424.16	41.68	-12.32	54	29.72	31.7	10.69	30.43	100	311	A	H
		5091.78	52.75	-21.25	74	40.79	31.98	10.41	30.43	308	135	P	V
		5100.36	41.6	-12.4	54	29.61	32	10.42	30.43	308	135	A	V
	*	5220	107.5	-	-	95.67	31.68	10.58	30.43	308	135	P	V
	*	5220	95.4	-	-	83.57	31.68	10.58	30.43	308	135	A	V
		5456.08	51.77	-22.23	74	39.73	31.74	10.73	30.43	308	135	P	V
		5458.88	41.45	-12.55	54	29.4	31.75	10.73	30.43	308	135	A	V



802. 11ax (HE20) CH 48 5240MHz		5088.66	52.74	-21.26	74	40.79	31.98	10.4	30.43	100	312	P	H
		5108.16	41.86	-12.14	54	29.84	32.02	10.43	30.43	100	312	A	H
	*	5240	111.82	-	-	100.1	31.56	10.59	30.43	100	312	P	H
	*	5240	100.94	-	-	89.22	31.56	10.59	30.43	100	312	A	H
		5382.16	52.1	-21.9	74	40.29	31.59	10.65	30.43	100	312	P	H
		5399.8	41.69	-12.31	54	29.76	31.7	10.66	30.43	100	312	A	H
		5085.8	52.87	-21.13	74	40.93	31.97	10.4	30.43	306	133	P	V
		5098.54	41.73	-12.27	54	29.74	32	10.42	30.43	306	133	A	V
	*	5240	110.14	-	-	98.42	31.56	10.59	30.43	306	133	P	V
	*	5240	98.92	-	-	87.2	31.56	10.59	30.43	306	133	A	V
		5430.04	52.11	-21.89	74	40.14	31.7	10.7	30.43	306	133	P	V
		5459.72	41.62	-12.38	54	29.56	31.76	10.73	30.43	306	133	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802. 11ax(HE20) (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE20) CH 36 5180MHz		10360	49.01	-19.19	68.2	55.75	39.9	14.26	60.9	100	0	P	H
		15540	48.13	-25.87	74	55.55	38	17.29	62.71	100	0	P	H
													H
													H
		10360	48.69	-19.51	68.2	55.43	39.9	14.26	60.9	100	0	P	V
		15540	48.23	-25.77	74	55.65	38	17.29	62.71	100	0	P	V
													V
													V
802. 11ax (HE20) CH 44 5220MHz		10440	49.74	-18.46	68.2	56.36	40.1	14.3	61.02	100	0	P	H
		15660	47.64	-26.36	74	54.8	37.58	17.39	62.13	100	0	P	H
													H
													H
		10440	48.97	-19.23	68.2	55.59	40.1	14.3	61.02	100	0	P	V
		15660	48.01	-25.99	74	55.17	37.58	17.39	62.13	100	0	P	V
													V
													V
802. 11ax (HE20) CH 48 5240MHz		10480	48.59	-19.61	68.2	55.25	40.1	13.8	61.07	100	0	P	H
		15720	48.71	-25.29	74	55.67	37.46	16.74	61.84	100	0	P	H
													H
													H
		10480	48.95	-19.25	68.2	55.61	40.1	13.8	61.07	100	0	P	V
		15720	47.72	-26.28	74	54.68	37.46	16.74	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802. 11ax(HE40) (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE40) CH 38 5190MHz		5147.68	59.6	-14.4	74	47.44	32.1	10.49	30.43	100	311	P	H
		5150	48.23	-5.77	54	36.07	32.1	10.49	30.43	100	311	A	H
	*	5190	109.78	-	-	97.8	31.86	10.55	30.43	100	311	P	H
	*	5190	98.63	-	-	86.65	31.86	10.55	30.43	100	311	A	H
		5412.4	52.83	-21.17	74	40.88	31.7	10.68	30.43	100	311	P	H
		5400.64	41.63	-12.37	54	29.7	31.7	10.66	30.43	100	311	A	H
		5147.42	56.13	-17.87	74	43.98	32.09	10.49	30.43	311	135	P	V
		5149.5	45.23	-8.77	54	33.07	32.1	10.49	30.43	311	135	A	V
	*	5190	107.4	-	-	95.42	31.86	10.55	30.43	311	135	P	V
	*	5190	96.4	-	-	84.42	31.86	10.55	30.43	311	135	A	V
		5434.24	53.01	-20.99	74	41.04	31.7	10.7	30.43	311	135	P	V
		5459.16	41.45	-12.55	54	29.4	31.75	10.73	30.43	311	135	A	V
802. 11ax (HE40) CH 46 5230MHz		5095.42	52.9	-21.1	74	40.93	31.99	10.41	30.43	100	311	P	H
		5119.08	41.87	-12.13	54	29.81	32.04	10.45	30.43	100	311	A	H
	*	5230	109.53	-	-	97.76	31.62	10.58	30.43	100	311	P	H
	*	5230	98.31	-	-	86.54	31.62	10.58	30.43	100	311	A	H
		5429.2	52.48	-21.52	74	40.51	31.7	10.7	30.43	100	311	P	H
		5398.68	41.71	-12.29	54	29.79	31.69	10.66	30.43	100	311	A	H
		5096.46	52.38	-21.62	74	40.4	31.99	10.42	30.43	300	143	P	V
		5107.12	41.68	-12.32	54	29.67	32.01	10.43	30.43	300	143	A	V
	*	5230	106.02	-	-	94.25	31.62	10.58	30.43	300	143	P	V
	*	5230	95.75	-	-	83.98	31.62	10.58	30.43	300	143	A	V
		5431.72	52.27	-21.73	74	40.3	31.7	10.7	30.43	300	143	P	V
		5458.04	41.57	-12.43	54	29.52	31.75	10.73	30.43	300	143	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802. 11ax(HE40) (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE40) CH 38 5190MHz		10380	48.84	-19.36	68.2	55.5	40	14.27	60.93	100	0	P	H
		15570	48.09	-25.91	74	55.48	37.85	17.32	62.56	100	0	P	H
													H
													H
		10380	49.82	-18.38	68.2	56.48	40	14.27	60.93	100	0	P	V
		15570	47.93	-26.07	74	55.32	37.85	17.32	62.56	100	0	P	V
													V
													V
802. 11ax (HE40) CH 46 5230MHz		10460	48.77	-19.43	68.2	55.41	40.1	14.3	61.04	100	0	P	H
		15690	48.23	-25.77	74	55.29	37.52	17.41	61.99	100	0	P	H
													H
													H
		10460	48.53	-19.67	68.2	55.17	40.1	14.3	61.04	100	0	P	V
		15690	48.2	-25.8	74	55.26	37.52	17.41	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802. 11ax(HE80) (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE80) CH 42 5210MHz		5148.2	60.99	-13.01	74	48.83	32.1	10.49	30.43	100	298	P	H
		5149.76	48.66	-5.34	54	36.5	32.1	10.49	30.43	100	298	A	H
	*	5210	106.62	-	-	94.74	31.74	10.57	30.43	100	298	P	H
	*	5210	95.2	-	-	83.32	31.74	10.57	30.43	100	298	A	H
		5367.88	52.97	-21.03	74	41.24	31.51	10.65	30.43	100	298	P	H
		5399.8	41.82	-12.18	54	29.89	31.7	10.66	30.43	100	298	A	H
		5145.34	57.81	-16.19	74	45.66	32.09	10.49	30.43	300	142	P	V
		5150	46.19	-7.81	54	34.03	32.1	10.49	30.43	300	142	A	V
	*	5210	103.36	-	-	91.48	31.74	10.57	30.43	300	142	P	V
	*	5210	93.43	-	-	81.55	31.74	10.57	30.43	300	142	A	V
		5450.48	51.95	-22.05	74	39.96	31.7	10.72	30.43	300	142	P	V
		5459.44	41.51	-12.49	54	29.45	31.76	10.73	30.43	300	142	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802. 11ax(HE80) (Harmonic @ 3m)**

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802. 11ax (HE80) CH 42 5210MHz		10420	48.87	-19.33	68.2	55.48	40.1	14.28	60.99	100	0	P	H
		15630	48.17	-25.83	74	55.45	37.64	17.36	62.28	100	0	P	H
													H
													H
		10420	49.05	-19.15	68.2	55.66	40.1	14.28	60.99	100	0	P	V
		15630	47.62	-26.38	74	54.9	37.64	17.36	62.28	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

WIFI 802. 11ax(HE80) (LF @ 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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802. 11ax (HE80) LF		78.5	30.16	-9.84	40	48.04	13.48	1.07	32.53	-	-	P	H
		104.69	28.66	-14.84	43.5	42.94	16.71	1.24	32.31	-	-	P	H
		199.75	32.55	-10.95	43.5	47.87	15.1	1.79	32.38	-	-	P	H
		259.89	28.47	-17.53	46	39.03	19.64	2.07	32.43	-	-	P	H
		699.3	35.29	-10.71	46	37.77	26.25	3.54	32.39	-	-	P	H
		893.3	38.17	-7.83	46	37.3	28.55	4.05	31.94	100	0	P	H
													H
													H
													H
													H
													H
													H
		38.73	30.08	-9.92	40	41.68	20	0.73	32.34	-	-	P	V
		78.5	31.63	-8.37	40	49.51	13.48	1.07	32.53	100	0	P	V
		100.81	29.06	-14.44	43.5	43.73	16.32	1.21	32.28	-	-	P	V
		195.87	28.85	-14.65	43.5	44.21	15.07	1.77	32.38	-	-	P	V
		266.68	23.87	-22.13	46	34.73	19.33	2.1	32.45	-	-	P	V
		910.76	35.54	-10.46	46	34.31	28.71	4.09	31.79	-	-	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>

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 26/0 CH 36 5180MHz		5053.3	52.23	-21.77	74	40.4	31.91	10.35	30.43	100	313	P	H
		5123.76	41.29	-12.71	54	29.21	32.05	10.46	30.43	100	313	A	H
	*	5180	110.64	-	-	98.61	31.92	10.54	30.43	100	313	P	H
	*	5180	101.13	-	-	89.1	31.92	10.54	30.43	100	313	A	H
													H
													H
		5099.06	52.89	-21.11	74	40.9	32	10.42	30.43	296	134	P	V
		5106.6	41.19	-12.81	54	29.18	32.01	10.43	30.43	296	134	A	V
	*	5180	107.88	-	-	95.85	31.92	10.54	30.43	296	134	P	V
	*	5180	98.34	-	-	86.31	31.92	10.54	30.43	296	134	A	V
													V
													V
802.11ax HE20 Partial 26/4 CH 44 5220MHz		5091.78	52.52	-21.48	74	40.56	31.98	10.41	30.43	100	18	P	H
		5122.98	41.38	-12.62	54	29.31	32.05	10.45	30.43	100	18	A	H
	*	5220	110.92	-	-	99.09	31.68	10.58	30.43	100	18	P	H
	*	5220	102.06	-	-	90.23	31.68	10.58	30.43	100	18	A	H
		5396.16	51.86	-22.14	74	39.95	31.68	10.66	30.43	100	18	P	H
		5459.16	41.33	-12.67	54	29.28	31.75	10.73	30.43	100	18	A	H
		5115.7	52.5	-21.5	74	40.46	32.03	10.44	30.43	346	133	P	V
		5110.5	41.28	-12.72	54	29.25	32.02	10.44	30.43	346	133	A	V
	*	5220	107.65	-	-	95.82	31.68	10.58	30.43	346	133	P	V
	*	5220	98.71	-	-	86.88	31.68	10.58	30.43	346	133	A	V
		5427.8	52.37	-21.63	74	40.41	31.7	10.69	30.43	346	133	P	V
		5460	41.26	-12.74	54	29.2	31.76	10.73	30.43	346	133	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 48 5240MHz		5047.06	52.03	-21.97	74	40.23	31.89	10.34	30.43	100	17	P	H
		5109.2	41.02	-12.98	54	29	32.02	10.43	30.43	100	17	A	H
	*	5240	111.95	-	-	100.23	31.56	10.59	30.43	100	17	P	H
	*	5240	101.39	-	-	89.67	31.56	10.59	30.43	100	17	A	H
		5355.84	50.96	-23.04	74	39.31	31.44	10.64	30.43	100	17	P	H
		5460	40.71	-13.29	54	28.65	31.76	10.73	30.43	100	17	A	H
		5040.04	51.94	-22.06	74	40.18	31.86	10.33	30.43	386	6	P	V
		5110.5	40.94	-13.06	54	28.91	32.02	10.44	30.43	386	6	A	V
	*	5240	105.73	-	-	94.01	31.56	10.59	30.43	386	6	P	V
	*	5240	95.23	-	-	83.51	31.56	10.59	30.43	386	6	A	V
		5424.72	51.95	-22.05	74	39.99	31.7	10.69	30.43	386	6	P	V
		5459.16	40.69	-13.31	54	28.64	31.75	10.73	30.43	386	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 36 5180MHz		5058.24	53.06	-20.94	74	41.21	31.92	10.36	30.43	100	305	P	H
		5125.58	41.39	-12.61	54	29.31	32.05	10.46	30.43	100	305	A	H
	*	5180	112.67	-	-	100.64	31.92	10.54	30.43	100	305	P	H
	*	5180	101.72	-	-	89.69	31.92	10.54	30.43	100	305	A	H
													H
													H
		5097.76	52.22	-21.78	74	40.23	32	10.42	30.43	348	134	P	V
		5107.9	41.32	-12.68	54	29.3	32.02	10.43	30.43	348	134	A	V
	*	5180	109.44	-	-	97.41	31.92	10.54	30.43	348	134	P	V
	*	5180	98.28	-	-	86.25	31.92	10.54	30.43	348	134	A	V
													V
													V
802.11ax HE20 Partial 52/40 CH 48 5240MHz		5105.3	52.79	-21.21	74	40.78	32.01	10.43	30.43	100	17	P	H
		5150	41.43	-12.57	54	29.27	32.1	10.49	30.43	100	17	A	H
	*	5240	112.22	-	-	100.5	31.56	10.59	30.43	100	17	P	H
	*	5240	102.14	-	-	90.42	31.56	10.59	30.43	100	17	A	H
		5417.16	51.44	-22.56	74	39.49	31.7	10.68	30.43	100	17	P	H
		5423.32	41.25	-12.75	54	29.29	31.7	10.69	30.43	100	17	A	H
		5102.7	52.03	-21.97	74	40.03	32.01	10.42	30.43	339	135	P	V
		5109.98	41.16	-12.84	54	29.13	32.02	10.44	30.43	339	135	A	V
	*	5240	110.07	-	-	98.35	31.56	10.59	30.43	339	135	P	V
	*	5240	100.57	-	-	88.85	31.56	10.59	30.43	339	135	A	V
		5393.08	51.19	-22.81	74	39.3	31.66	10.66	30.43	339	135	P	V
		5460	40.89	-13.11	54	28.83	31.76	10.73	30.43	339	135	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5076.7	52.52	-21.48	74	40.61	31.95	10.39	30.43	100	302	P	H
		5081.64	41.63	-12.37	54	29.71	31.96	10.39	30.43	100	302	A	H
	*	5180	113.69	-	-	101.66	31.92	10.54	30.43	100	302	P	H
	*	5180	102.66	-	-	90.63	31.92	10.54	30.43	100	302	A	H
													H
													H
		5097.5	52.29	-21.71	74	40.3	32	10.42	30.43	347	134	P	V
		5107.64	41.32	-12.68	54	29.3	32.02	10.43	30.43	347	134	A	V
	*	5180	109.64	-	-	97.61	31.92	10.54	30.43	347	134	P	V
	*	5180	98.94	-	-	86.91	31.92	10.54	30.43	347	134	A	V
													V
													V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5099.58	51.87	-22.13	74	39.88	32	10.42	30.43	100	16	P	H
		5100.62	41.24	-12.76	54	29.25	32	10.42	30.43	100	16	A	H
	*	5240	111.89	-	-	100.17	31.56	10.59	30.43	100	16	P	H
	*	5240	100.96	-	-	89.24	31.56	10.59	30.43	100	16	A	H
		5426.12	52.37	-21.63	74	40.41	31.7	10.69	30.43	100	16	P	H
		5458.32	41.09	-12.91	54	29.04	31.75	10.73	30.43	100	16	A	H
		5099.58	52.37	-21.63	74	40.38	32	10.42	30.43	338	137	P	V
		5103.22	41.16	-12.84	54	29.15	32.01	10.43	30.43	338	137	A	V
	*	5240	109.97	-	-	98.25	31.56	10.59	30.43	338	137	P	V
	*	5240	98.87	-	-	87.15	31.56	10.59	30.43	338	137	A	V
		5424.44	52.66	-21.34	74	40.7	31.7	10.69	30.43	338	137	P	V
		5460	40.88	-13.12	54	28.82	31.76	10.73	30.43	338	137	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5149.5	66.23	-7.77	74	54.07	32.1	10.49	30.43	100	16	P	H
		5150	44.95	-9.05	54	32.79	32.1	10.49	30.43	100	16	A	H
	*	5190	107.33	-	-	95.35	31.86	10.55	30.43	100	16	P	H
	*	5190	96.84	-	-	84.86	31.86	10.55	30.43	100	16	A	H
		5425	51.84	-22.16	74	39.88	31.7	10.69	30.43	100	16	P	H
		5423.6	40.95	-13.05	54	28.99	31.7	10.69	30.43	100	16	A	H
		5149.24	62.75	-11.25	74	50.59	32.1	10.49	30.43	295	200	P	V
		5150.02	41.32	-12.68	150	29.16	32.1	10.49	30.43	295	200	A	V
	*	5190	104.6	-	-	92.62	31.86	10.55	30.43	295	200	P	V
	*	5190	93.91	-	-	81.93	31.86	10.55	30.43	295	200	A	V
		5419.12	50.69	-23.31	74	38.74	31.7	10.68	30.43	295	200	P	V
		5426.96	40.74	-13.26	54	28.78	31.7	10.69	30.43	295	200	A	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5117.78	53.12	-20.88	74	41.06	32.04	10.45	30.43	100	16	P	H
		5098.54	41.2	-12.8	54	29.21	32	10.42	30.43	100	16	A	H
	*	5230	108.17	-	-	96.4	31.62	10.58	30.43	100	16	P	H
	*	5230	97.42	-	-	85.65	31.62	10.58	30.43	100	16	A	H
		5386.08	51.31	-22.69	74	39.47	31.62	10.65	30.43	100	16	P	H
		5416.6	41.09	-12.91	54	29.14	31.7	10.68	30.43	100	16	A	H
		5115.7	52.11	-21.89	74	40.07	32.03	10.44	30.43	339	140	P	V
		5102.7	41.1	-12.9	54	29.1	32.01	10.42	30.43	339	140	A	V
	*	5230	106.02	-	-	94.25	31.62	10.58	30.43	339	140	P	V
	*	5230	95.39	-	-	83.62	31.62	10.58	30.43	339	140	A	V
		5398.4	51.33	-22.67	74	39.41	31.69	10.66	30.43	339	140	P	V
		5424.16	40.83	-13.17	54	28.87	31.7	10.69	30.43	339	140	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5121.16	68.63	-5.37	74	56.57	32.04	10.45	30.43	100	24	P	H
		5120.12	46.65	-7.35	54	34.59	32.04	10.45	30.43	100	24	A	H
	*	5210	105.54	-	-	93.66	31.74	10.57	30.43	100	24	P	H
	*	5210	94.82	-	-	82.94	31.74	10.57	30.43	100	24	A	H
		5419.4	51.94	-22.06	74	39.99	31.7	10.68	30.43	100	24	P	H
		5398.4	40.9	-13.1	54	28.98	31.69	10.66	30.43	100	24	A	H
		5121.42	68.3	-5.7	74	56.24	32.04	10.45	30.43	298	199	P	V
		5120.38	44.87	-9.13	54	32.81	32.04	10.45	30.43	298	199	A	V
	*	5210	102.3	-	-	90.42	31.74	10.57	30.43	298	199	P	V
	*	5210	91.61	-	-	79.73	31.74	10.57	30.43	298	199	A	V
		5441.52	51.59	-22.41	74	39.61	31.7	10.71	30.43	298	199	P	V
		5423.6	40.75	-13.25	54	28.79	31.7	10.69	30.43	298	199	A	V
802.11ax HE80 Partial 484/66 CH 42 5210MHz		5119.6	67.7	-6.3	74	55.64	32.04	10.45	30.43	100	298	P	H
		5145.34	45.18	-8.82	54	33.03	32.09	10.49	30.43	100	298	A	H
	*	5210	106.23	-	-	94.35	31.74	10.57	30.43	100	298	P	H
	*	5210	94.55	-	-	82.67	31.74	10.57	30.43	100	298	A	H
		5427.52	53.73	-20.27	74	41.77	31.7	10.69	30.43	100	298	P	H
		5424.44	41.58	-12.42	54	29.62	31.7	10.69	30.43	100	298	A	H
		5120.12	65.18	-8.82	74	53.12	32.04	10.45	30.43	357	139	P	V
		5119.6	44.94	-9.06	54	32.88	32.04	10.45	30.43	357	139	A	V
	*	5210	104.32	-	-	92.44	31.74	10.57	30.43	357	139	P	V
	*	5210	92.57	-	-	80.69	31.74	10.57	30.43	357	139	A	V
		5457.76	53.3	-20.7	74	41.25	31.75	10.73	30.43	357	139	P	V
		5459.44	41.45	-12.55	54	29.39	31.76	10.73	30.43	357	139	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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



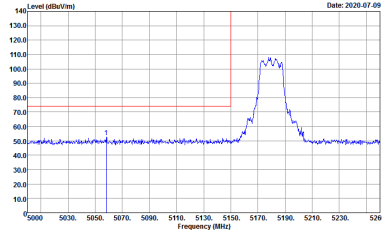
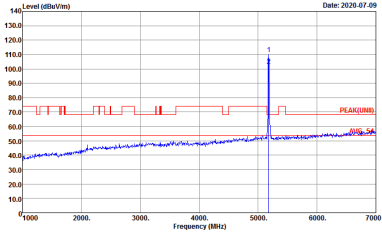
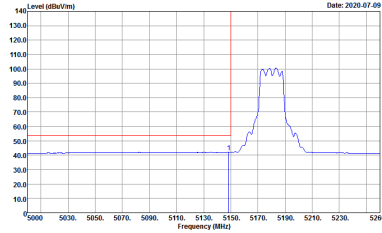
Appendix D. Radiated Spurious Emission

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

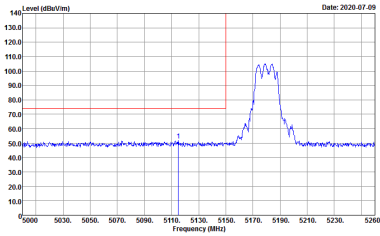
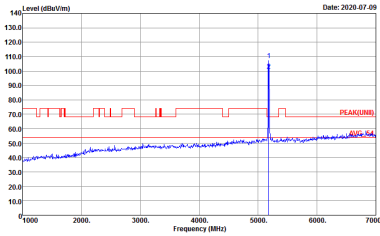
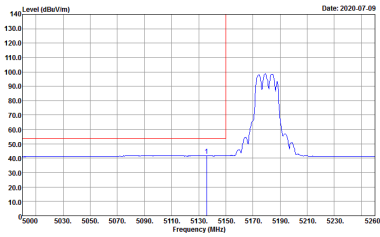
Note symbol

-L	Low channel location
-R	High channel location

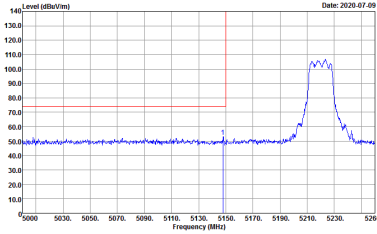
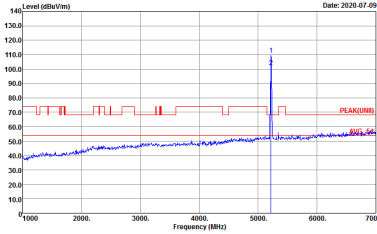
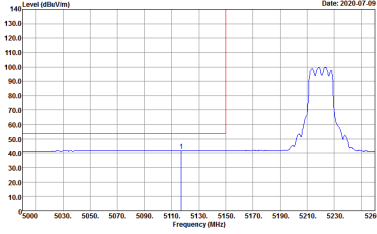
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	Left blank

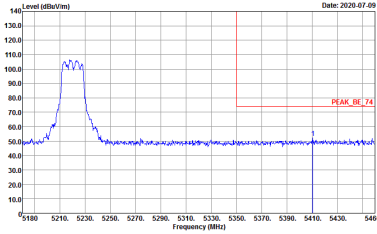
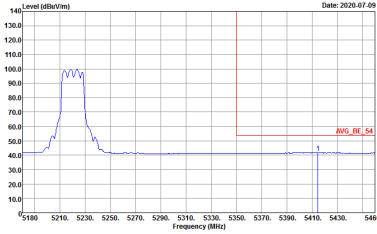


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

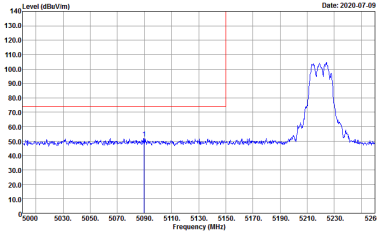
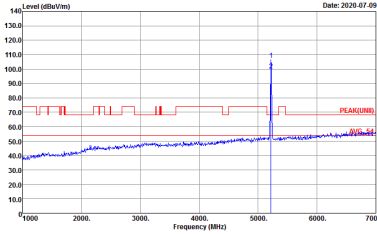
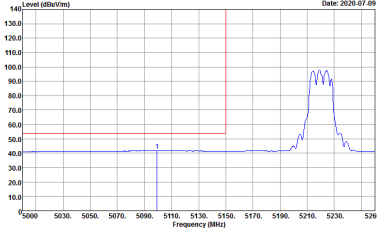


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

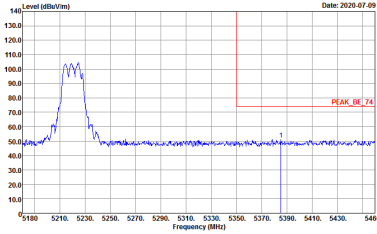
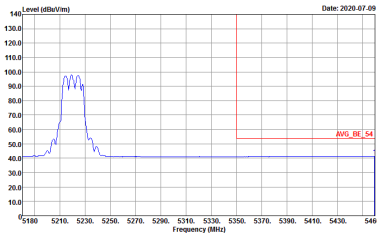


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

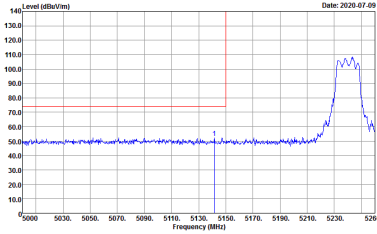
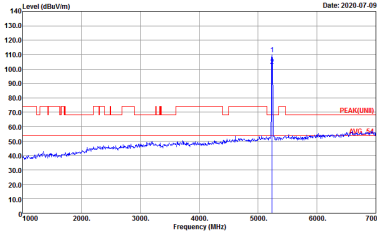
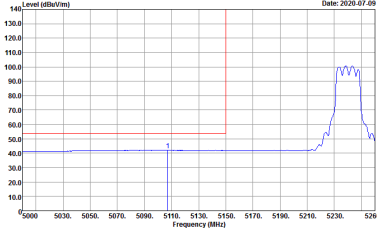


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

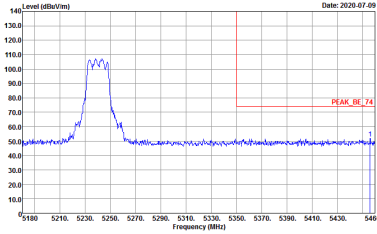
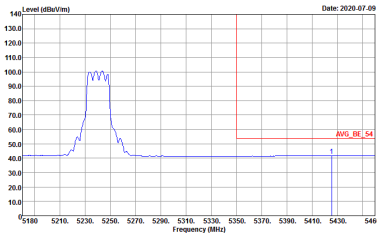


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

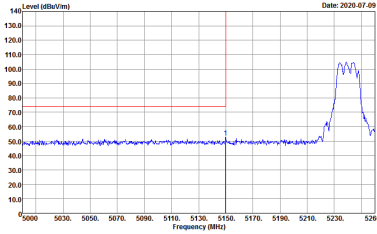
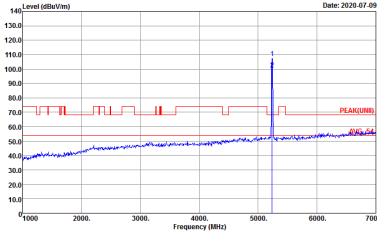
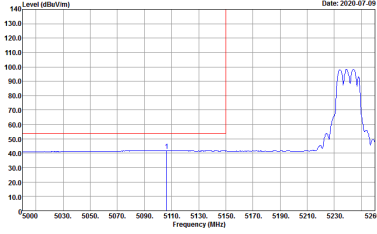


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

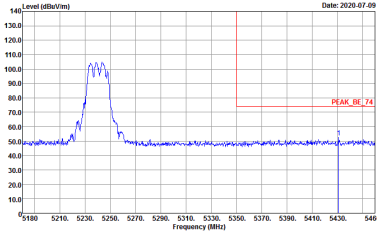
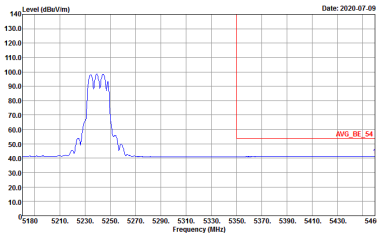


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



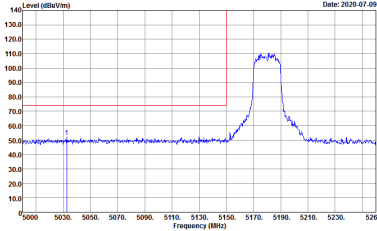
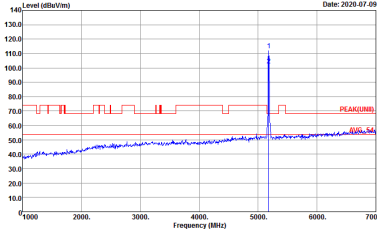
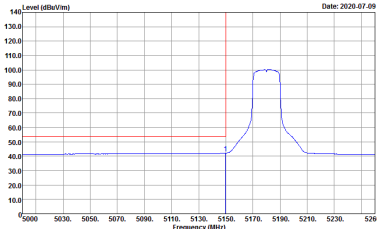
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

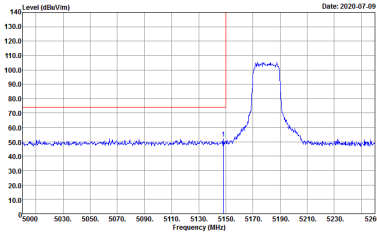
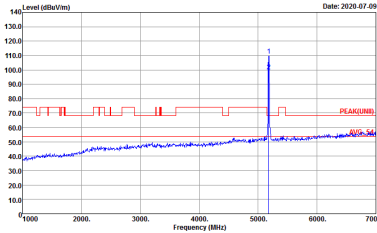
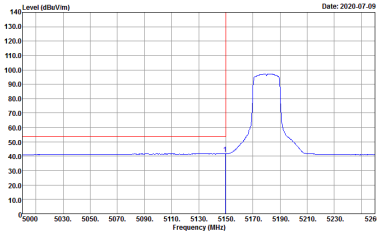


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



Band 1 5150~5250MHz
WIFI 802. 11ax(HE20) (Band Edge @ 3m)

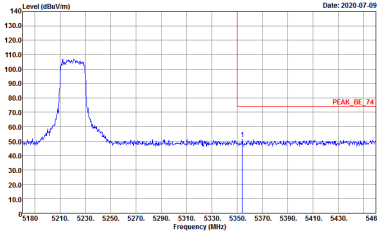
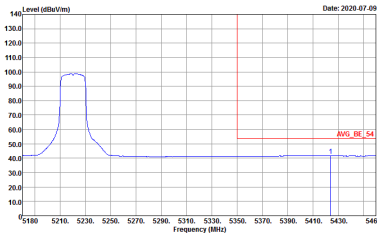
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH36 5180MHz	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

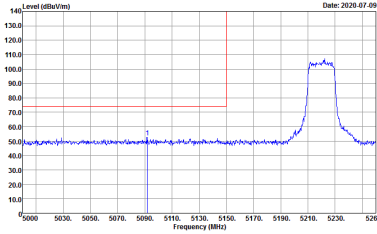
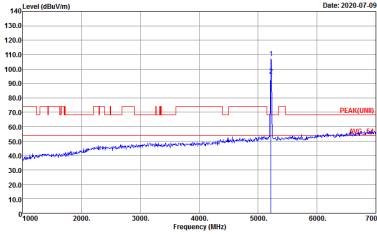
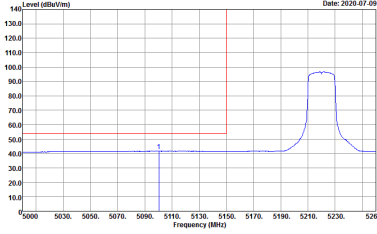


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

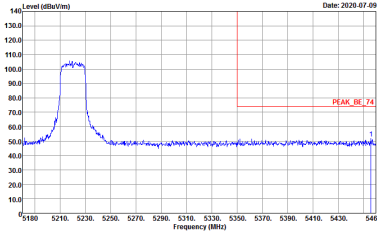
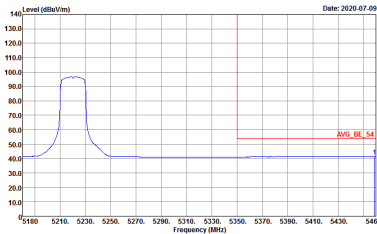


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

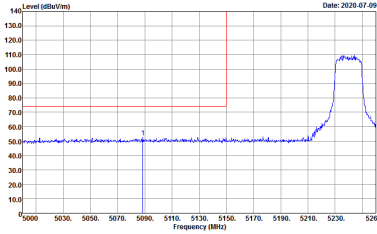
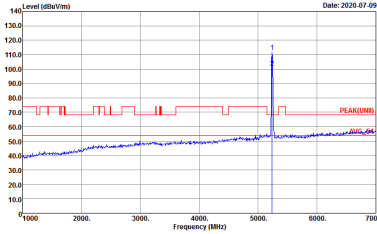
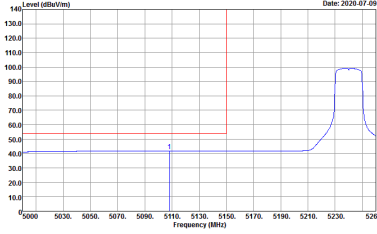


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

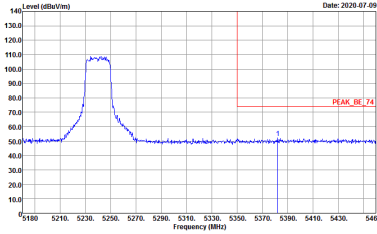
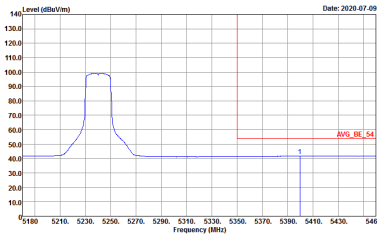


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

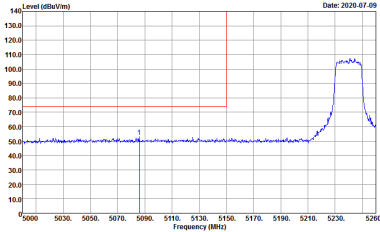
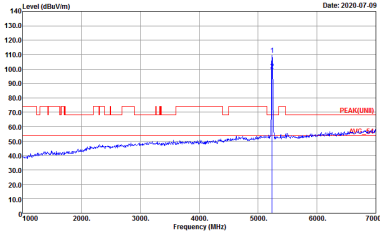
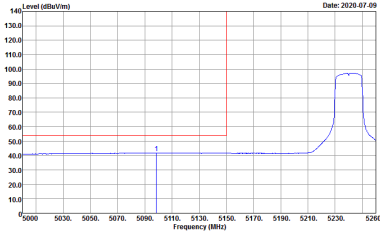


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	Left blank

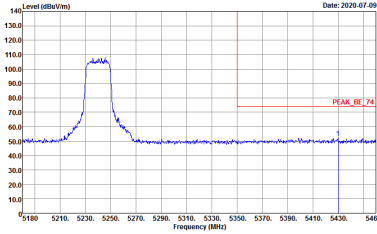
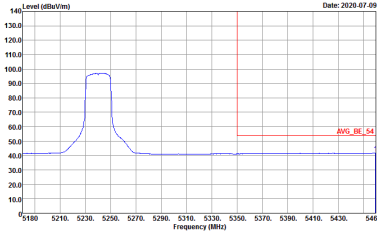


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



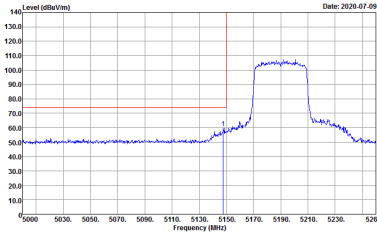
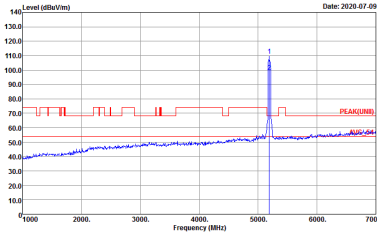
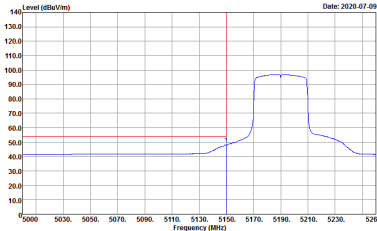
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



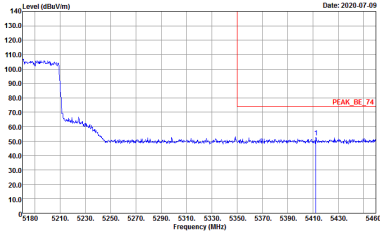
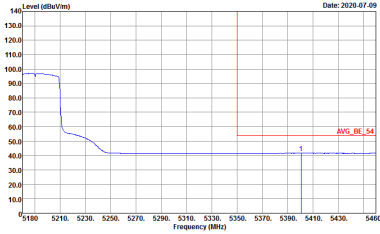
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE20) CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



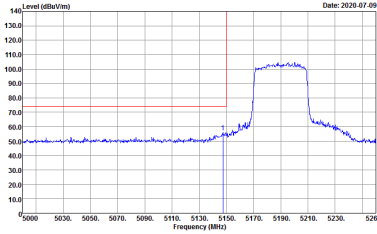
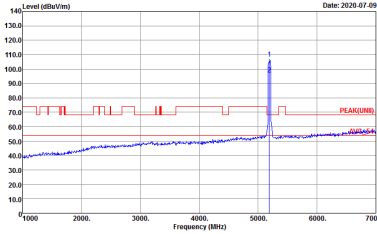
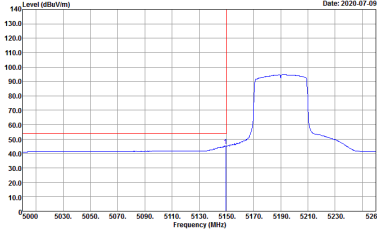
Band 1 5150~5250MHz
WIFI 802.11ax(HE40) (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH38 5190MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

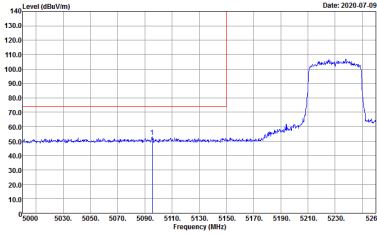
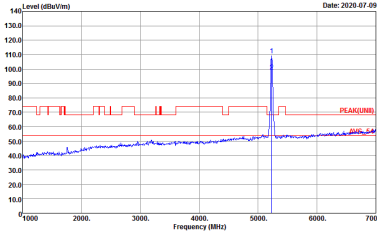
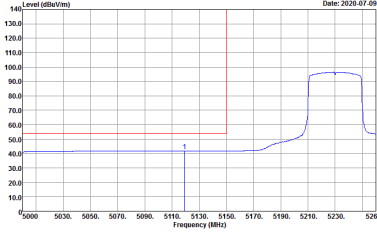


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

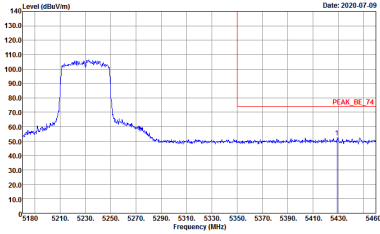
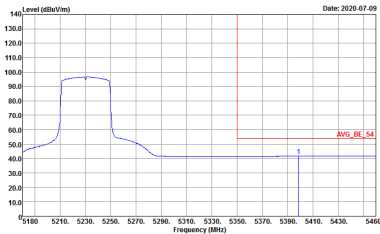


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak	Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank

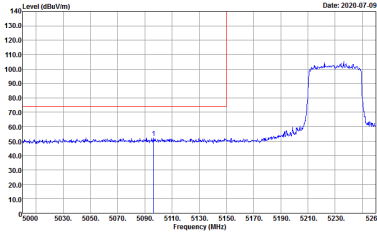
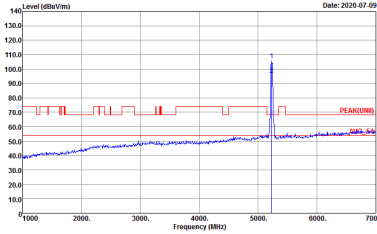
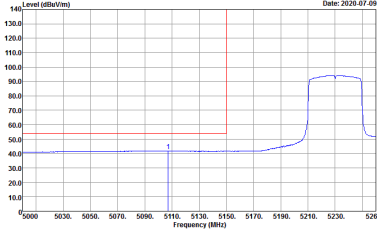


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

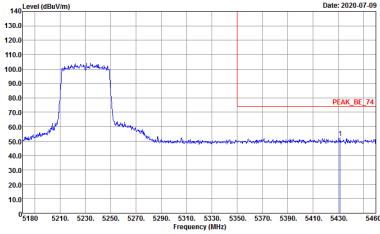
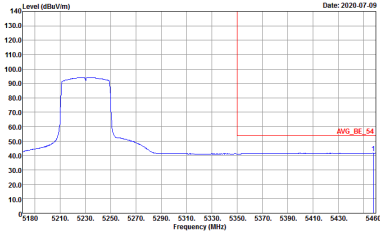


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



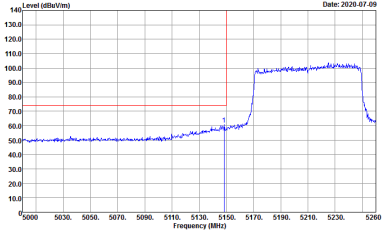
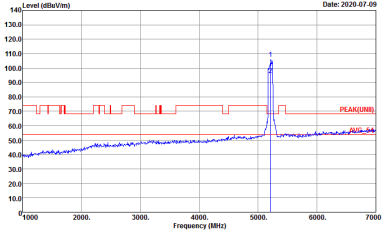
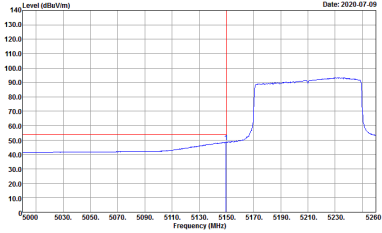
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



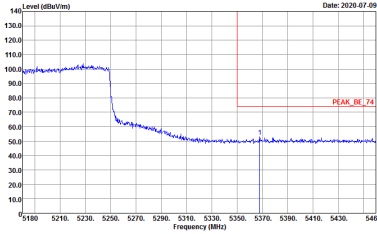
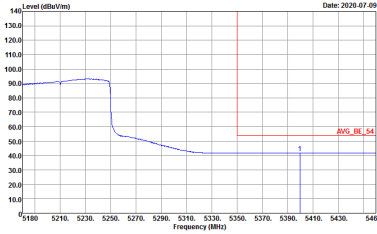
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE40) CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



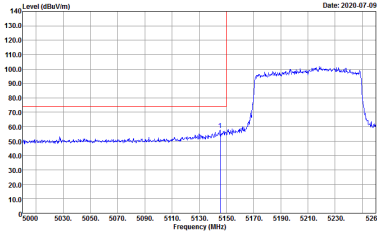
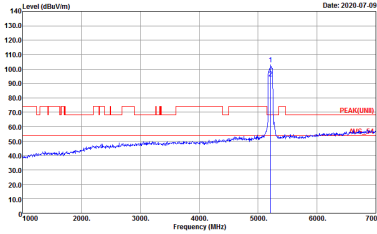
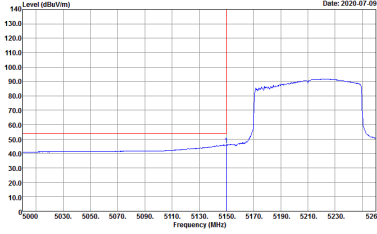
Band 1 5150~5250MHz
WIFI 802.11ax(HE80) (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE80) CH42 5210MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 041648	Left blank

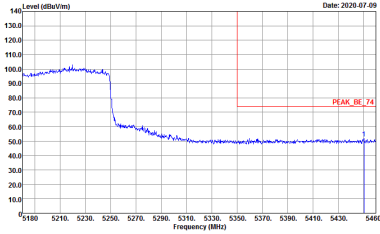
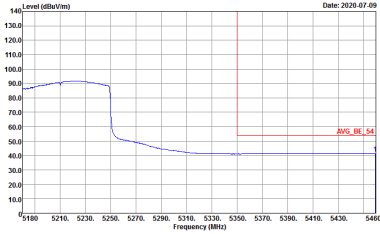


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE80) CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE80) CH42 5210MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



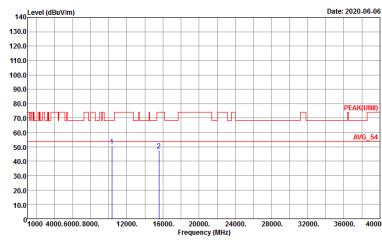
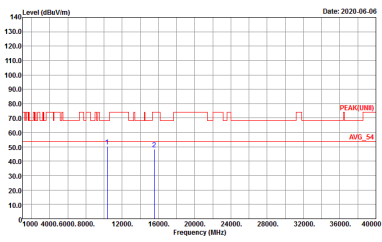
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax(HE80) CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



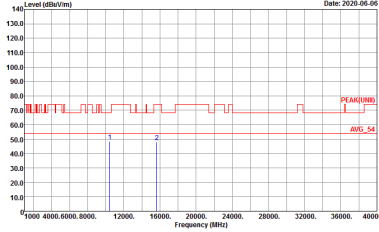
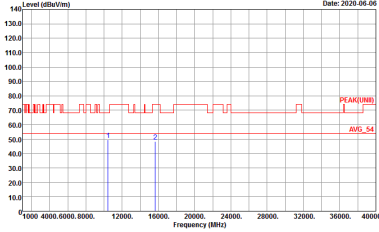
Band 1 5150~5250MHz

Band 1 - 5150~5250MHz

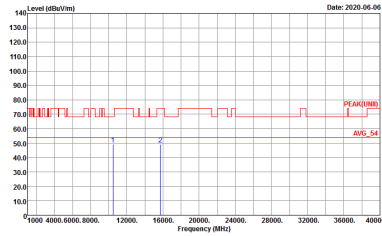
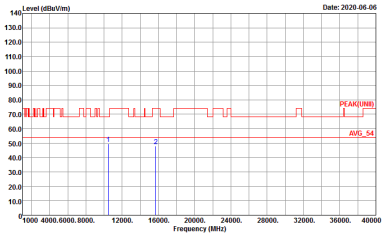
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



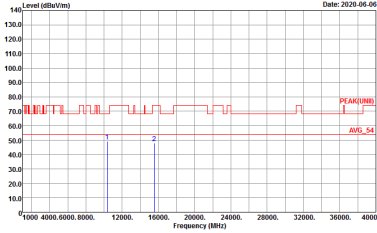
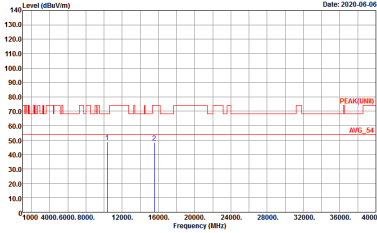
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



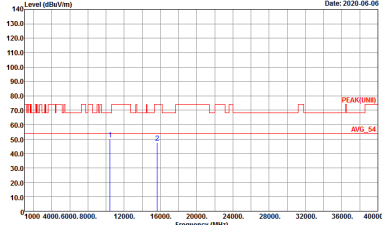
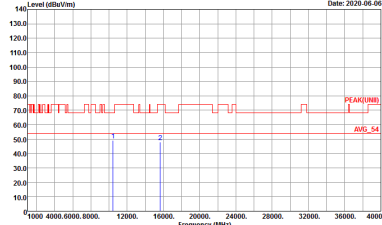
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



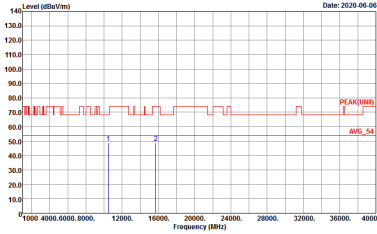
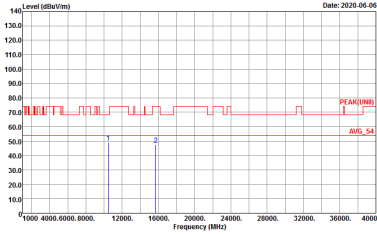
Band 1 5150~5250MHz
WIFI 802. 11ax(HE20) (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE20) CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648

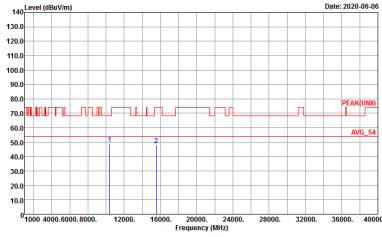
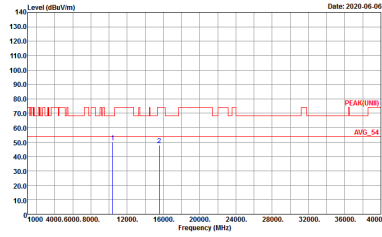


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE20) CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648

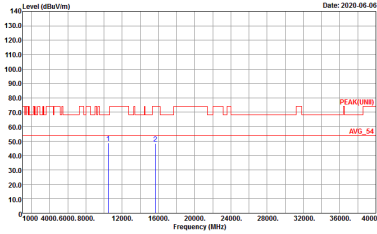
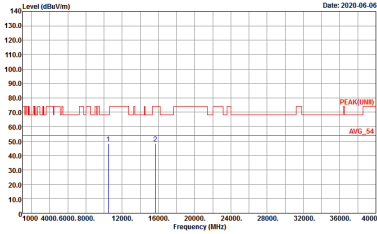


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE20) CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648

Band 1 5150~5250MHz
WIFI 802.11ax(HE40) (Harmonic @ 3m)

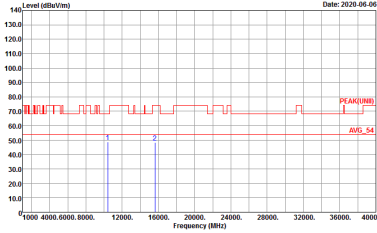
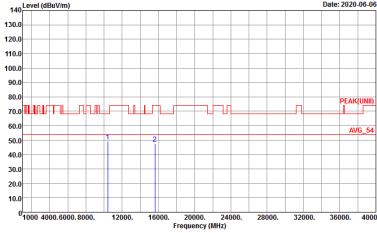
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE40) CH38 5190MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE40) CH46 5230MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



Band 1 5150~5250MHz
WIFI 802.11ax(HE80) (Harmonic @ 3m)

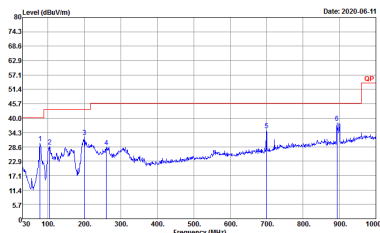
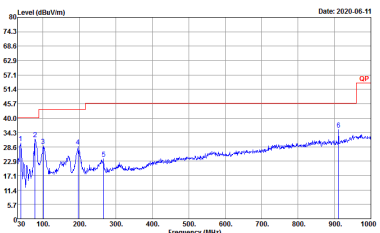
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax(HE80) CH42 5210MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648



Band 1 5150~5250MHz

Emission below 1GHz

5GHz WIFI 802.11ax(HE80) (LF)

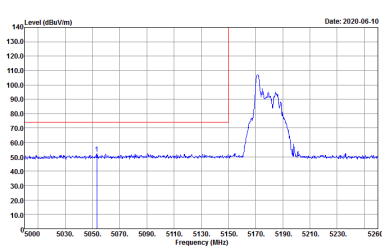
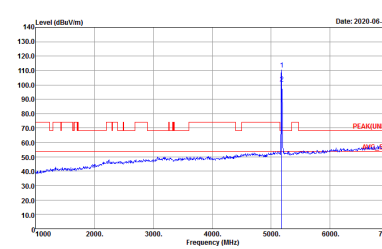
WIFI	5GHz WIFI	
ANT	802.11ax(HE80) LF	
0+1	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 041648



<Partially Loaded RUs>

Band 1 - 5150~5250MHz

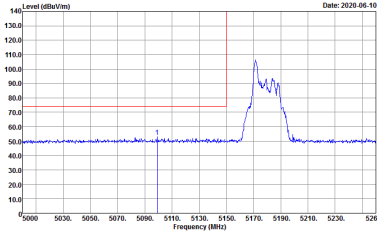
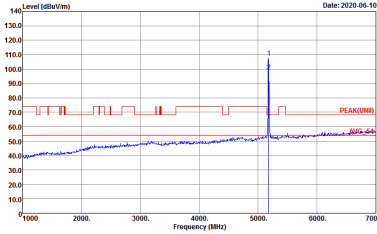
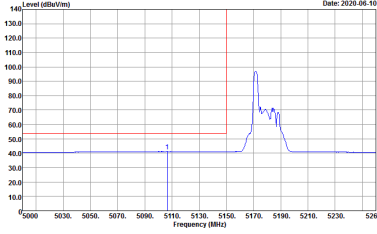
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648

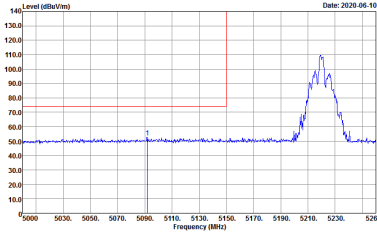
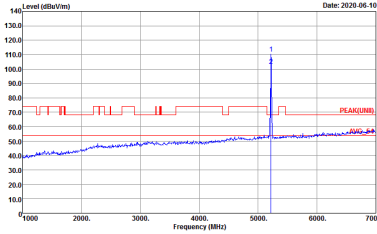
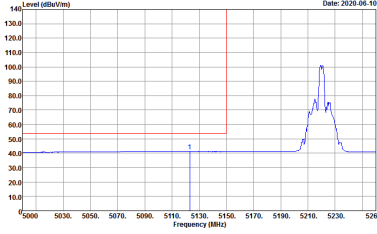


Avg.	Level (dBu/Hz) 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 5000 5030 5050 5070 5090 5110 5130 5150 5170 5190 5210 5230 5250 Frequency (MHz) Date: 2020-06-10 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank
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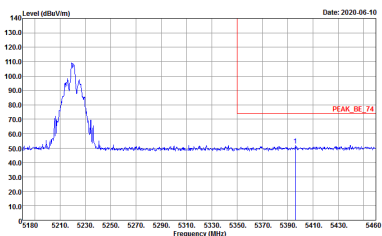
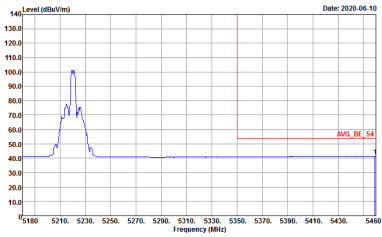


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

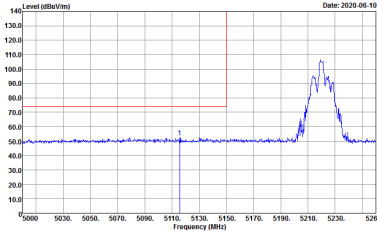
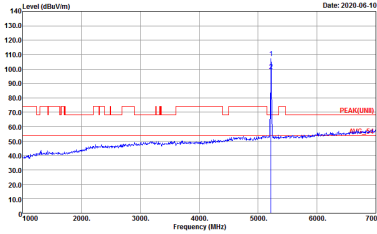
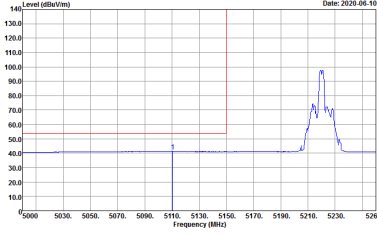


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

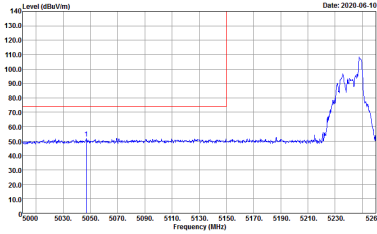
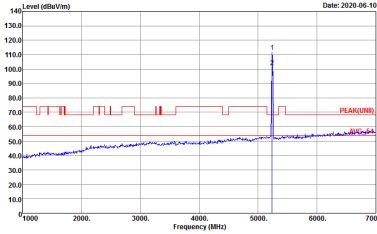
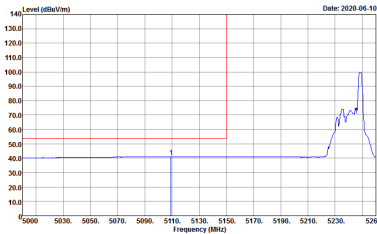


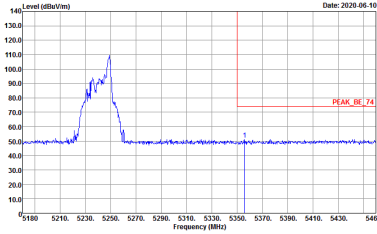
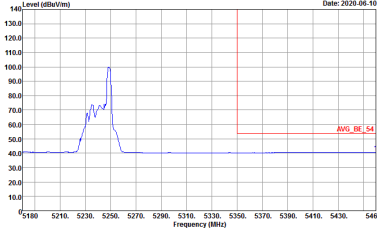
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



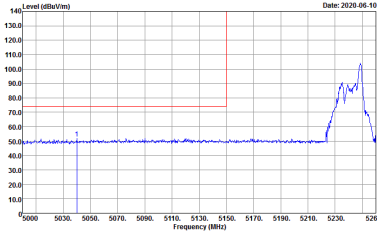
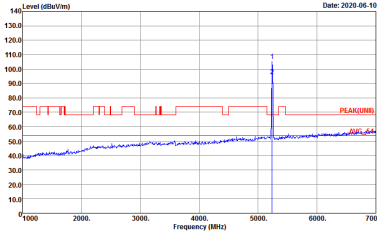
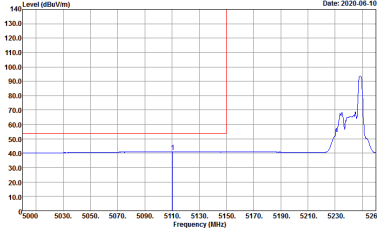
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

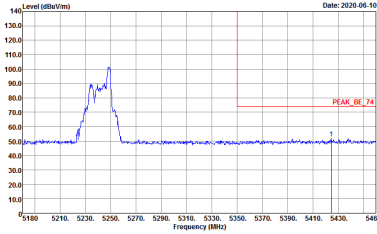
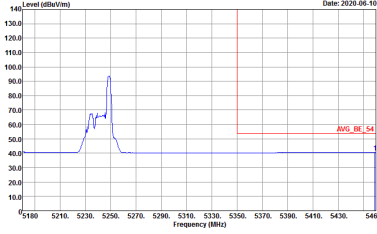


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

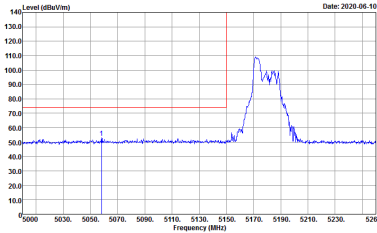
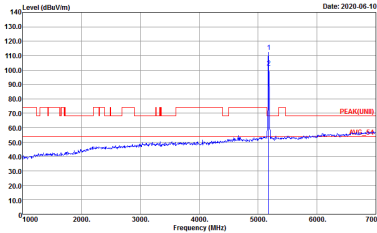
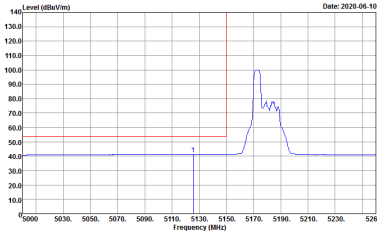


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648	Left blank

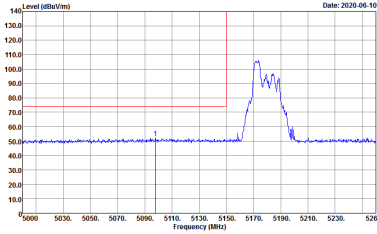
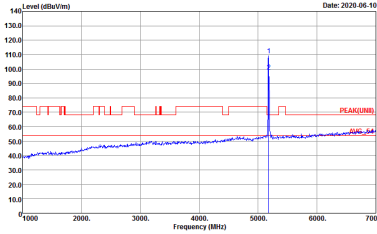
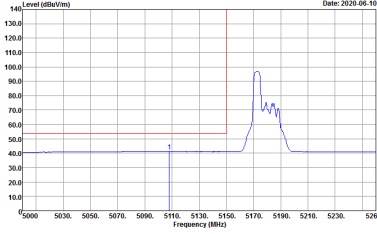
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



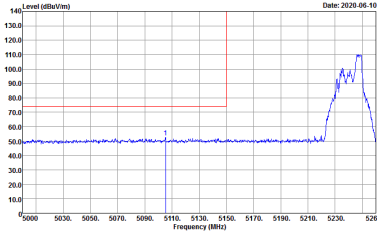
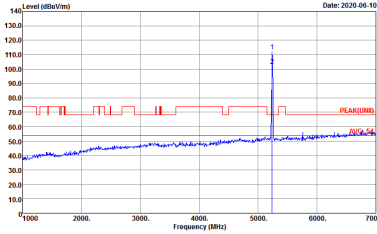
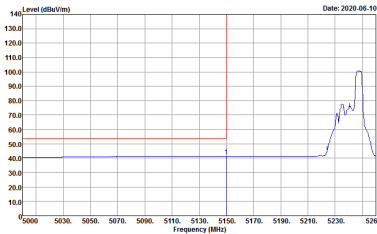
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 041648	Left blank

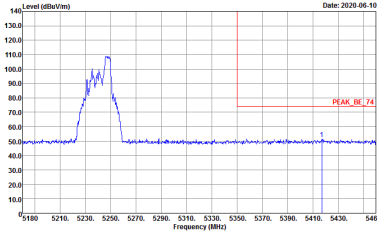
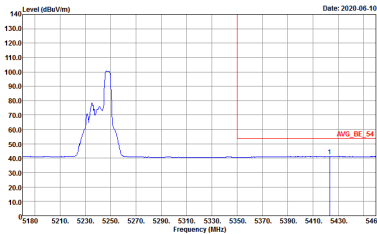


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

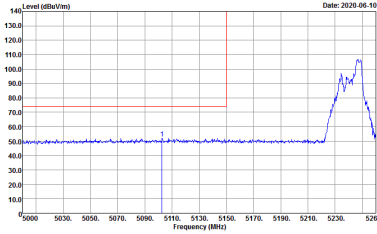
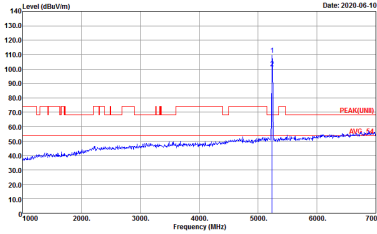
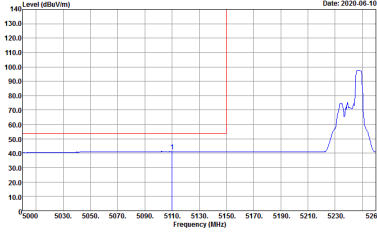


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	Left blank

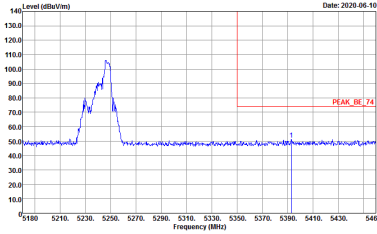
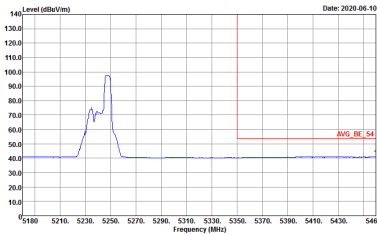


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



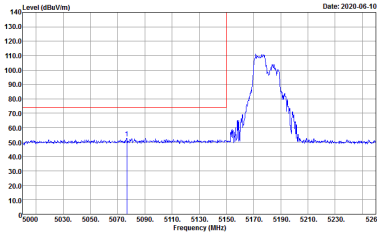
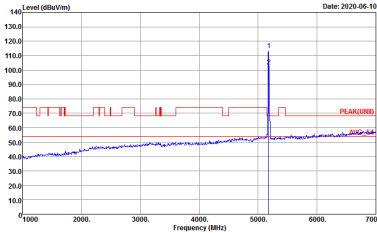
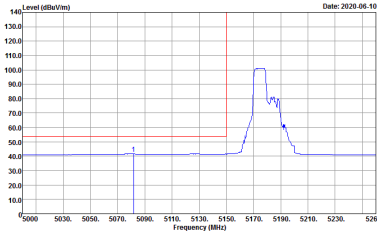
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648	Left blank



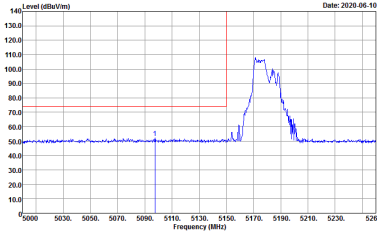
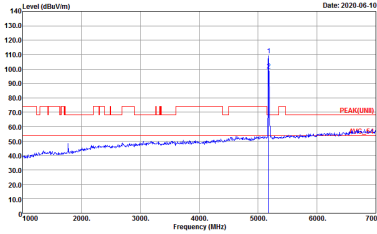
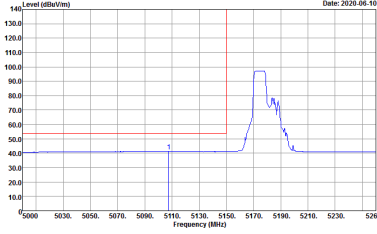
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



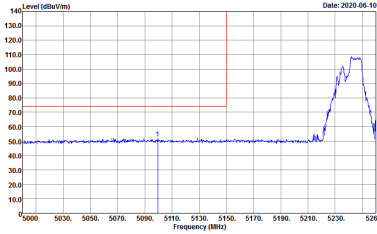
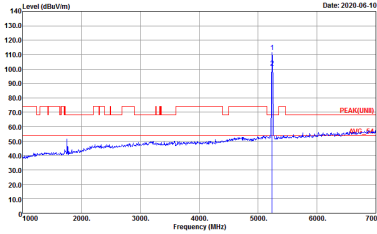
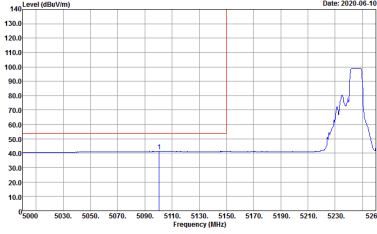
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

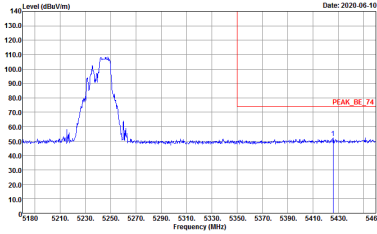
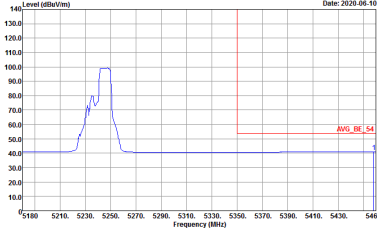
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



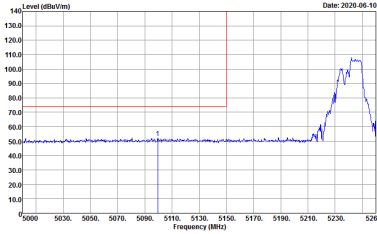
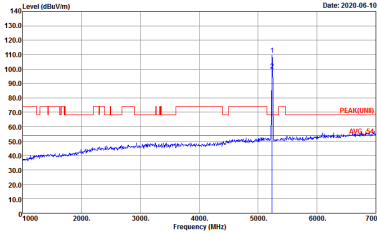
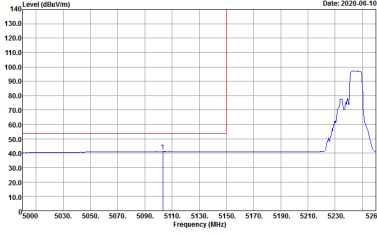
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



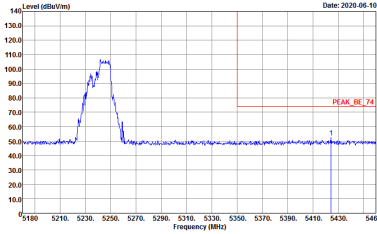
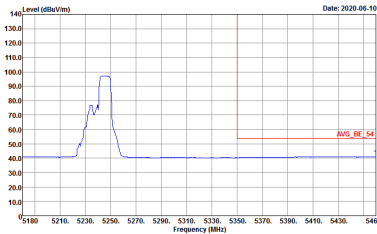
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - R	
0+1	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 : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



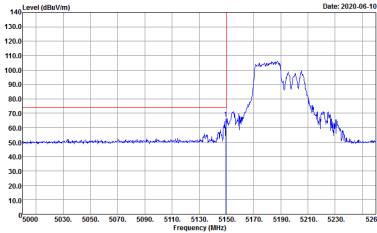
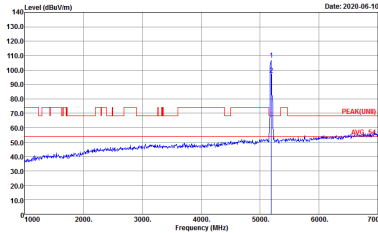
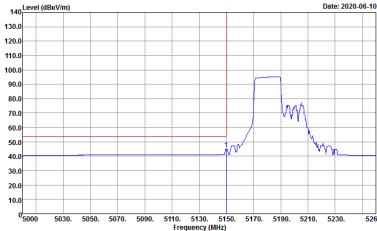
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



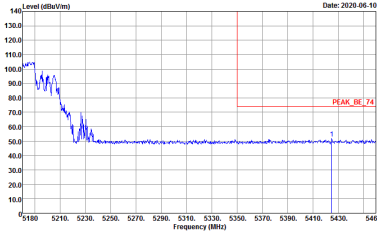
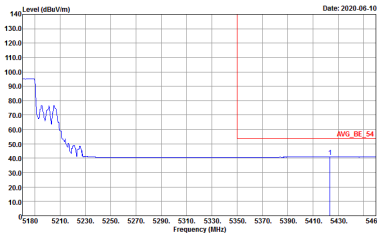
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



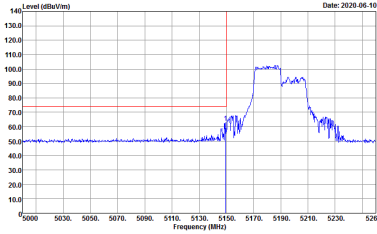
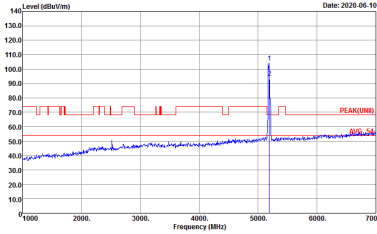
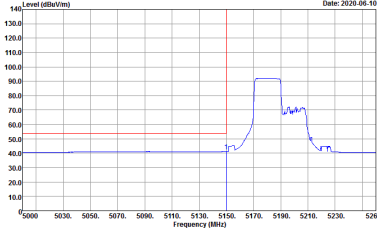
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

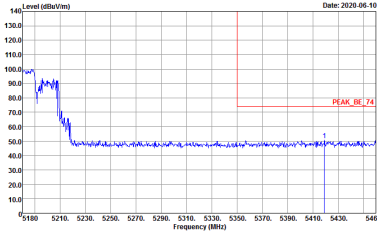
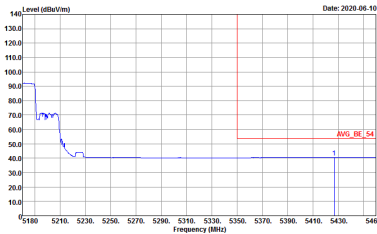


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank

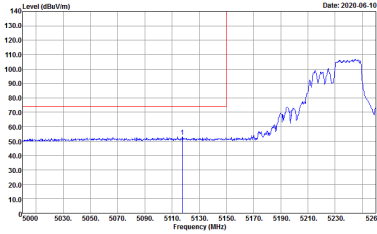
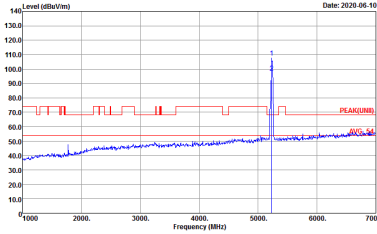
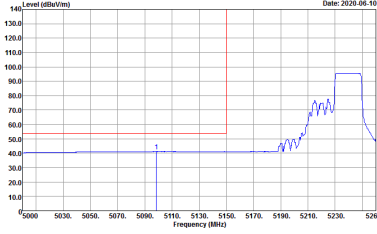


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

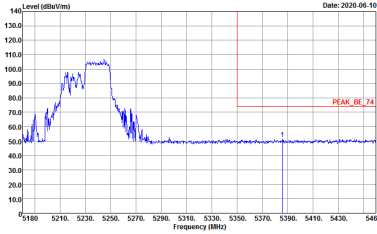
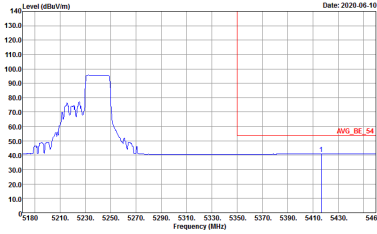


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

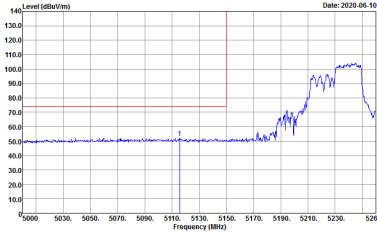
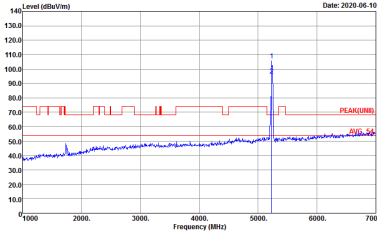
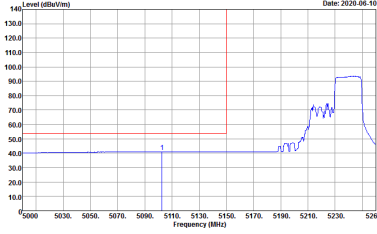


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

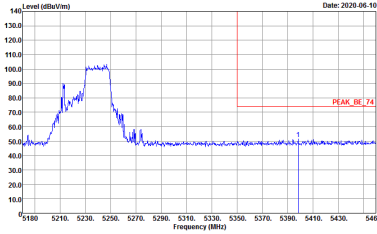
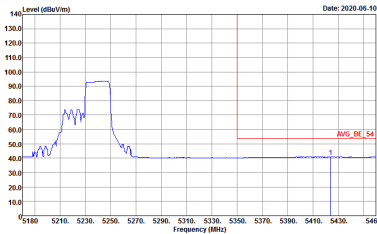


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



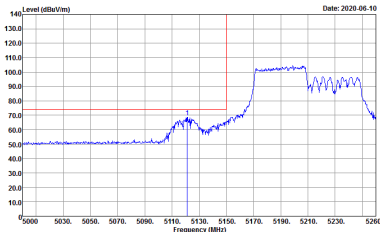
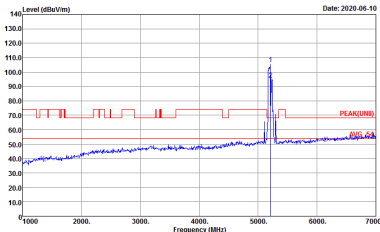
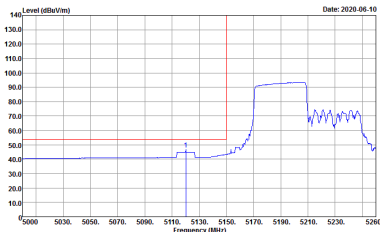
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



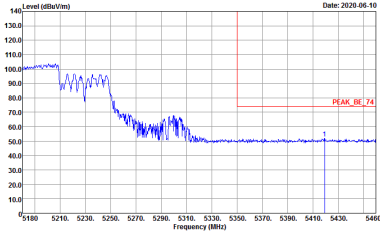
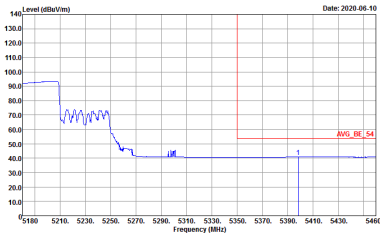
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



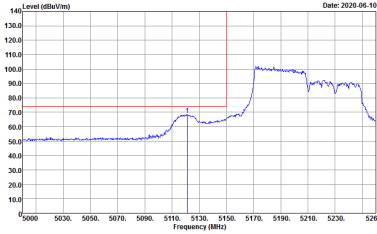
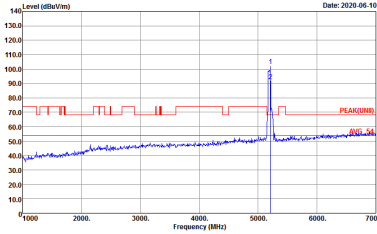
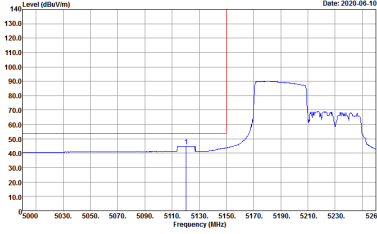
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 041648	Left blank

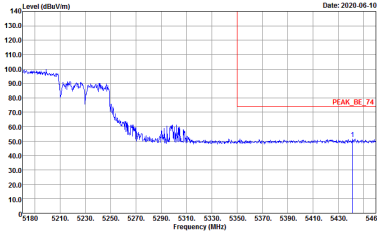
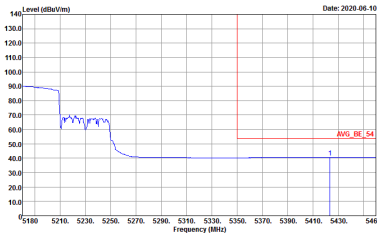


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

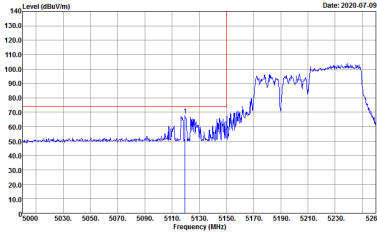
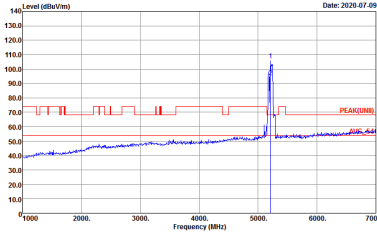
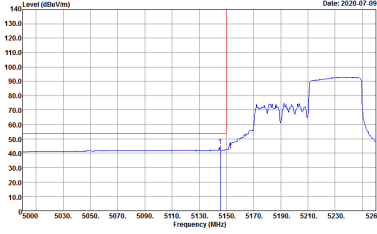


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

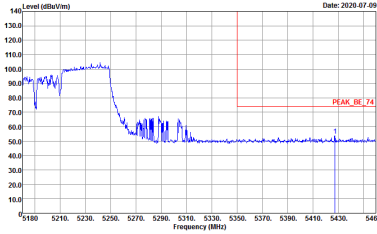
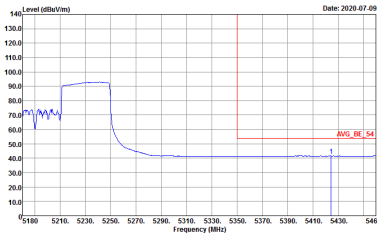


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

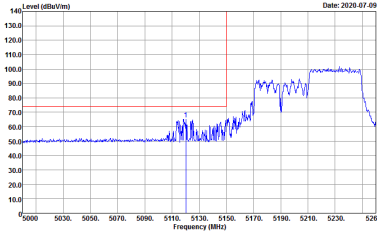
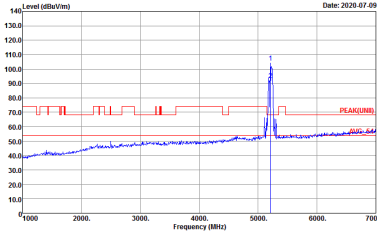
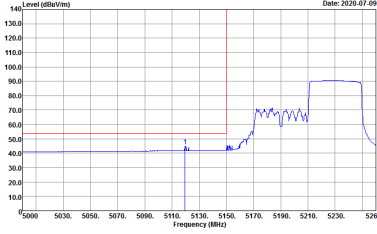


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH42 5210MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

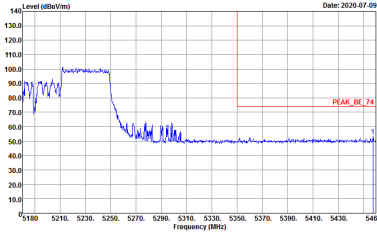
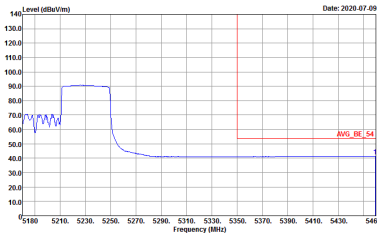


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH42 5210MHz - L	
0+1	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 : 041648	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 041648	Left blank

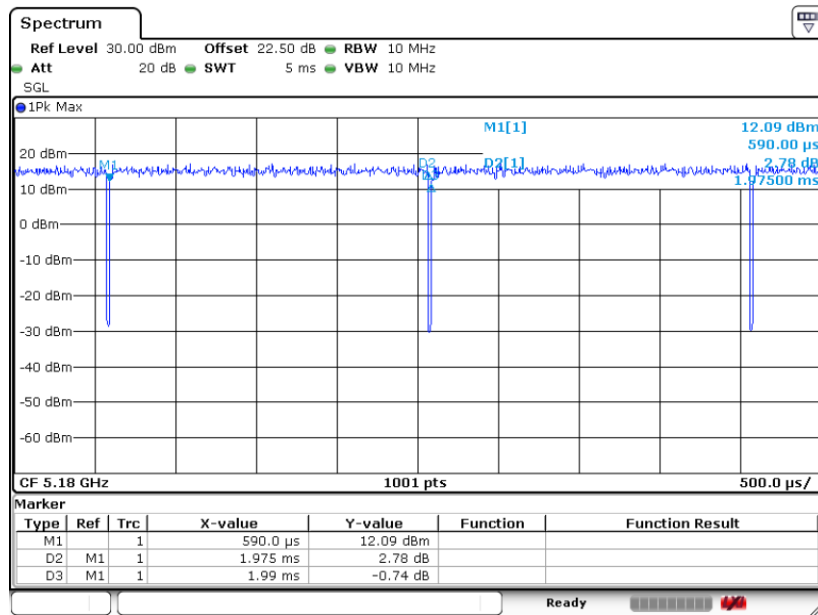
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0+1	802.11a for Ant 0	99.25	-	-	10Hz	0.03
0+1	802.11a for Ant 1	99.00	-	-	10Hz	0.04
0+1	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 26 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 26 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 52 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 52 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 106 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 106 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 Full RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 Full RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 242 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 242 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 Full RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 Full RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 484 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 484 RU for Ant 1	100.00	-	-	10Hz	0.00



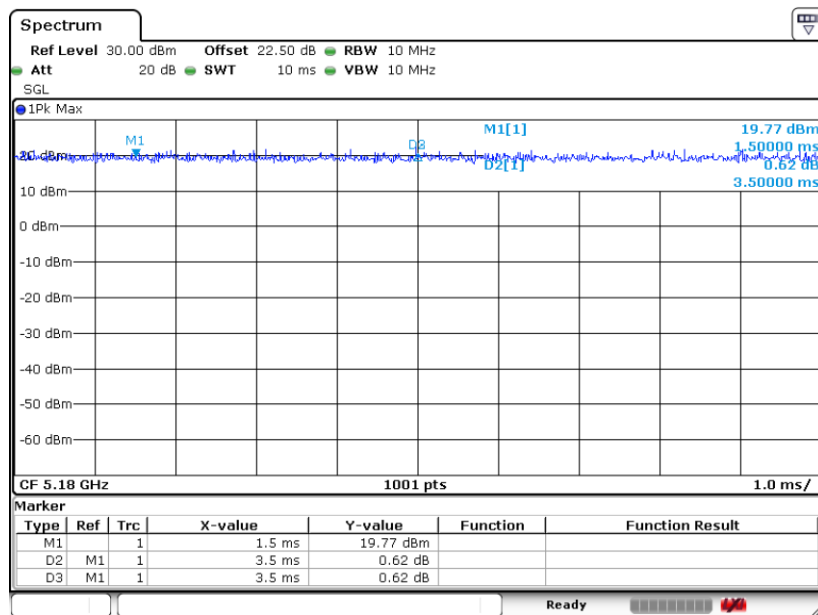
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802.11a

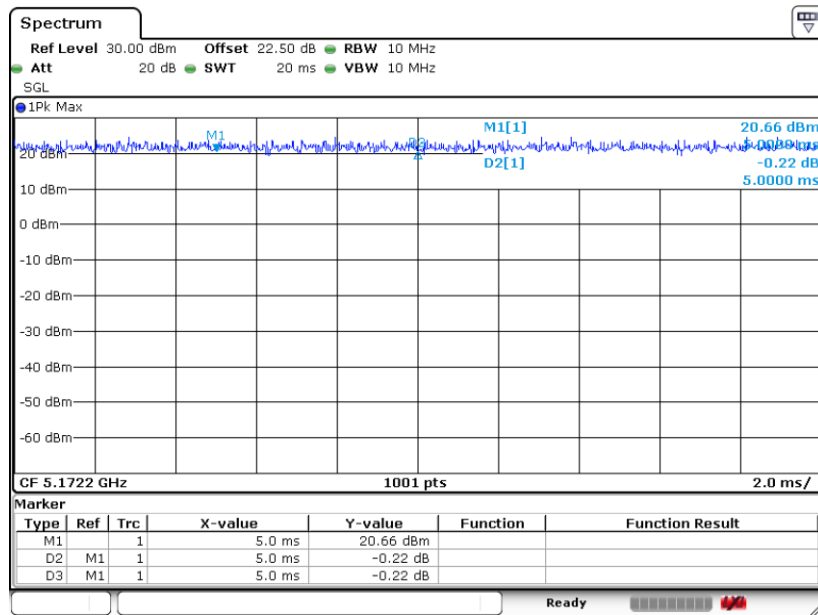


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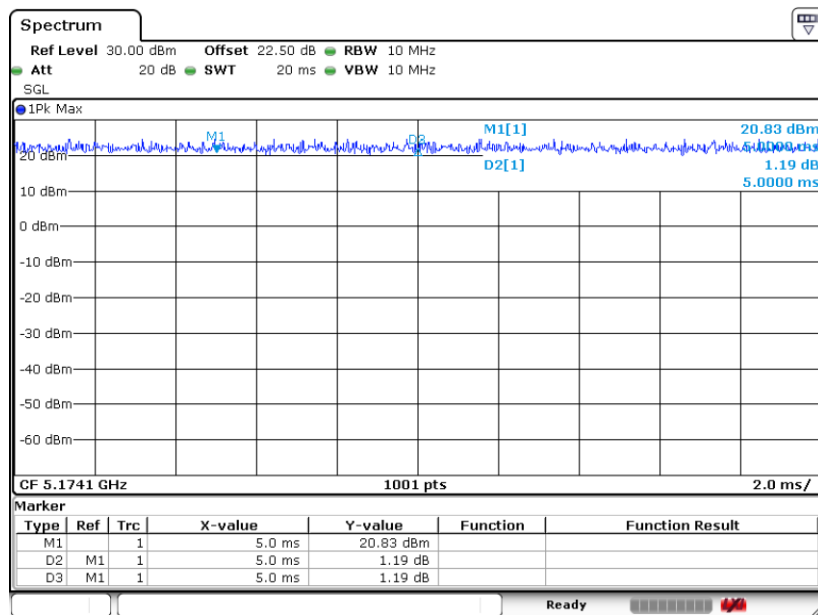
802.11ax HE20 Full RU



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**802.11ax HE20 26 RU**

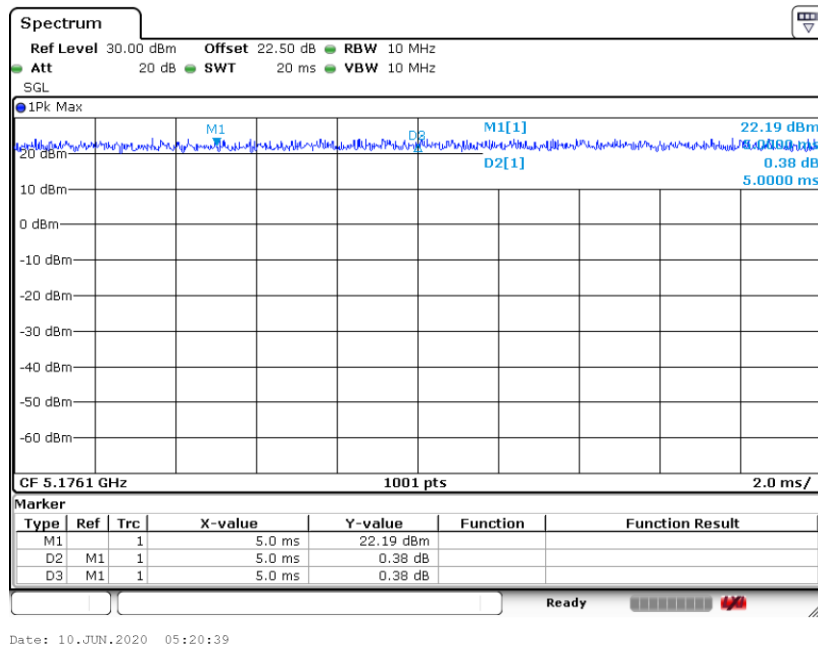
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802.11ax HE20 52 RU

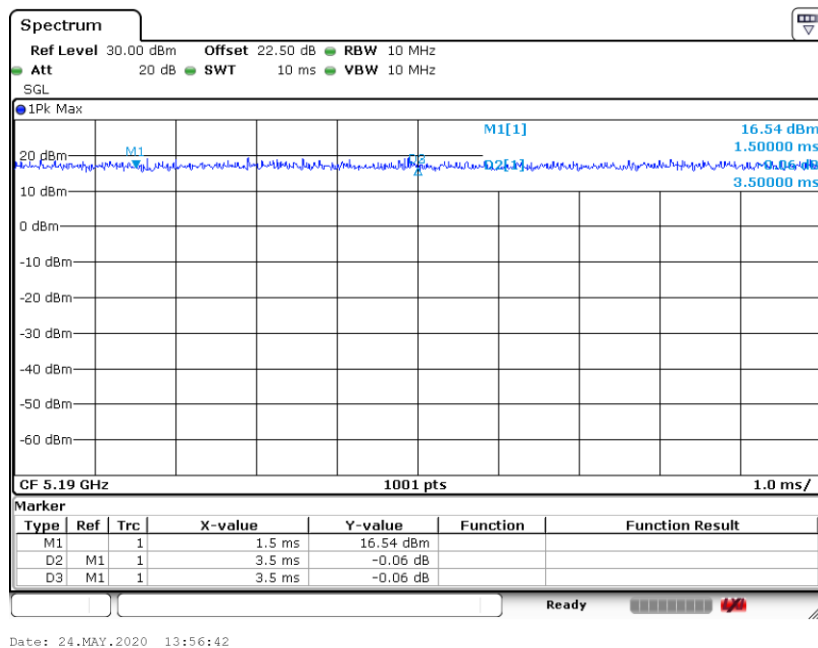
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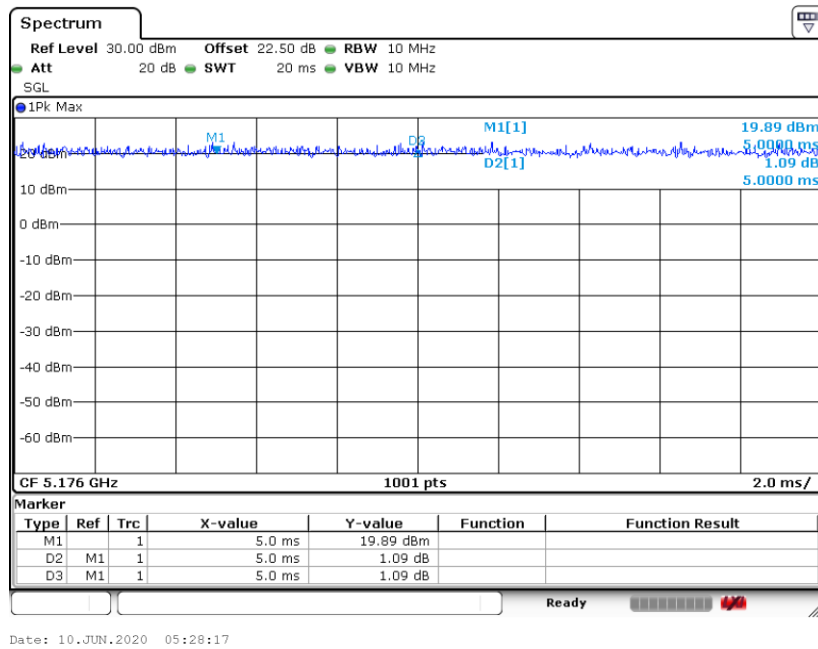
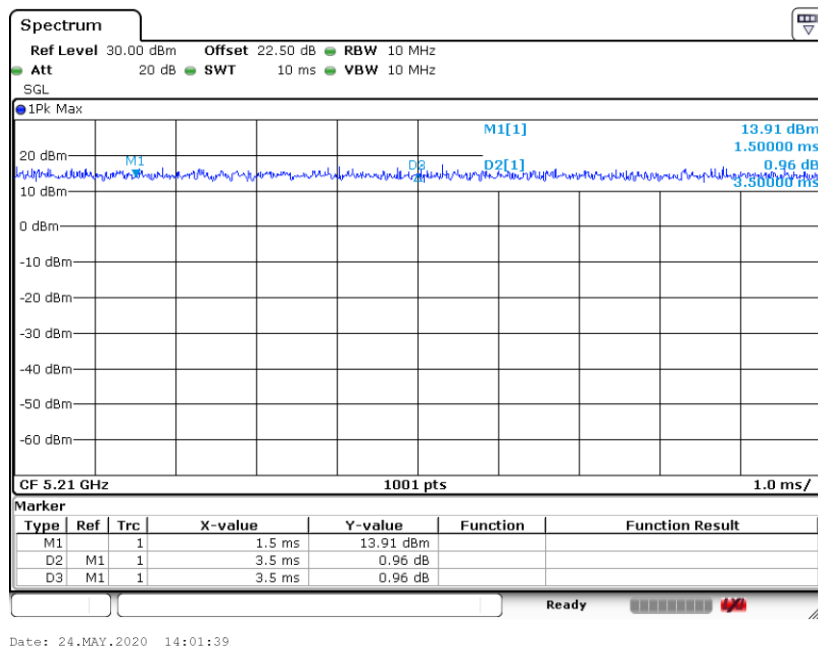


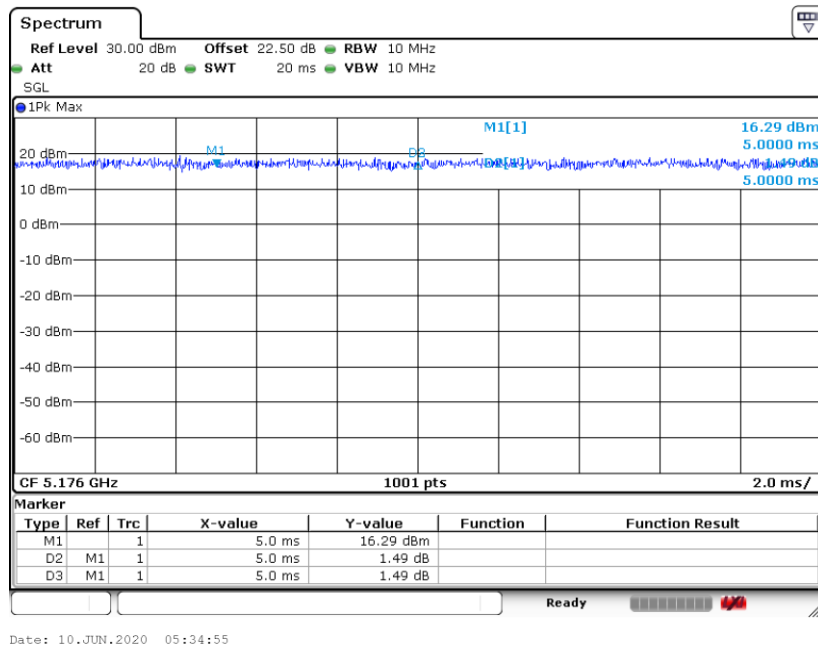
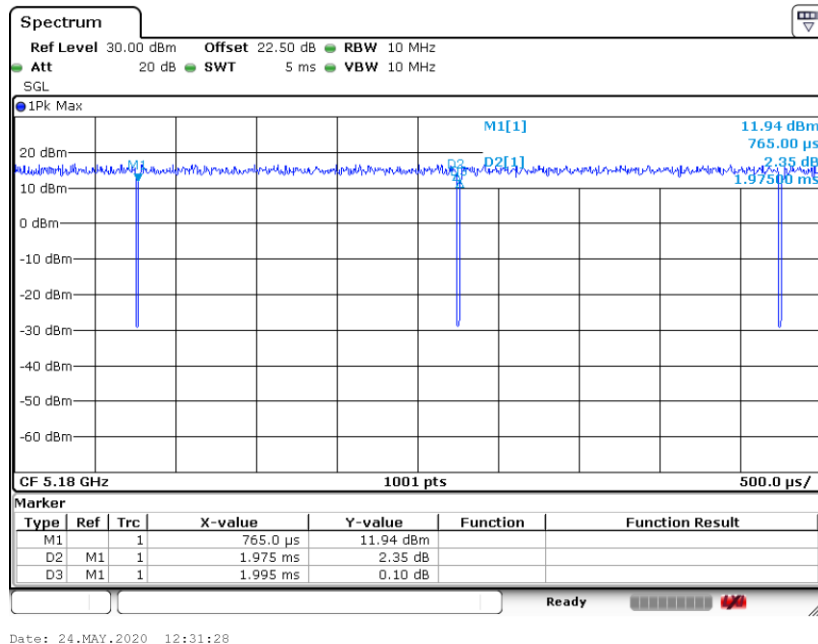
802.11ax HE20 106 RU



802.11ax HE40 Full RU

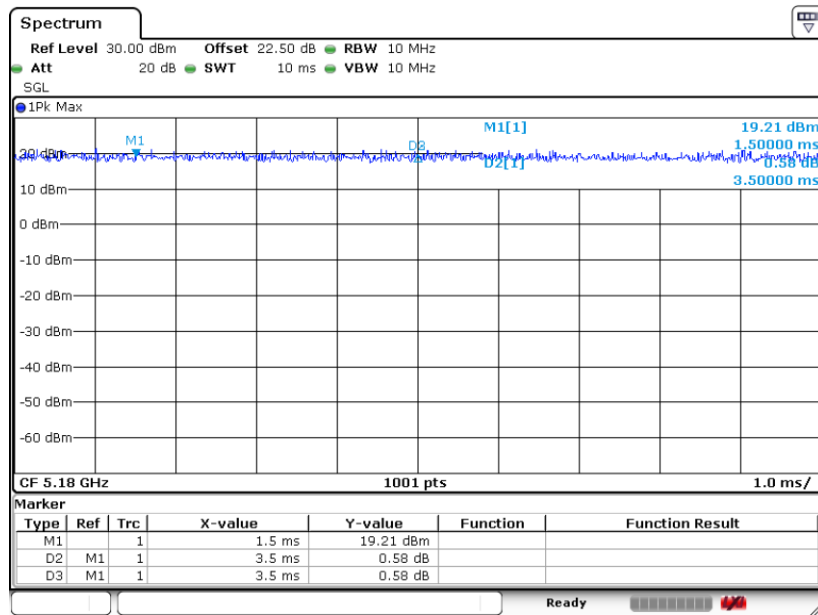


**802.11ax HE40 242 RU****802.11ax HE80 Full RU**

**802.11ax HE80 484 RU****MIMO <Ant. 1>****802.11a**

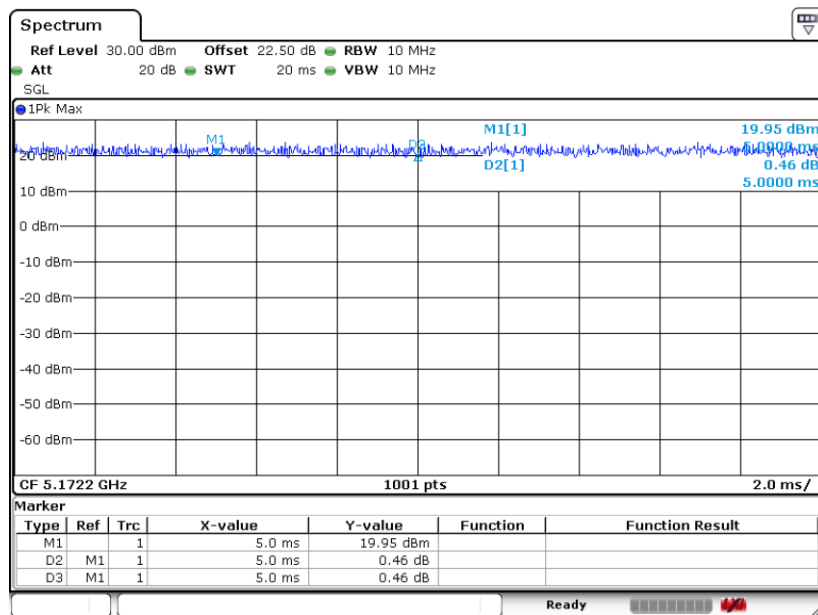


802.11ax HE20 Full RU

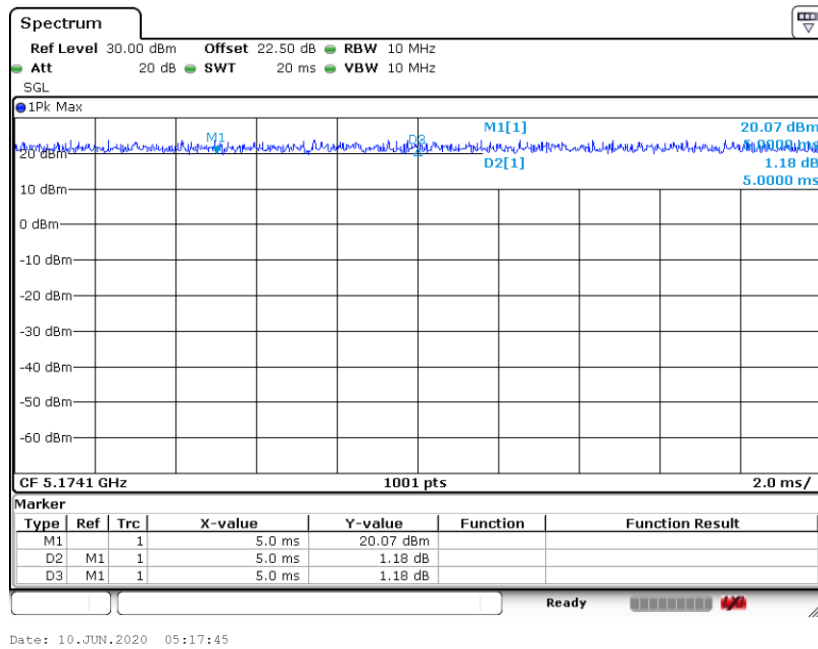
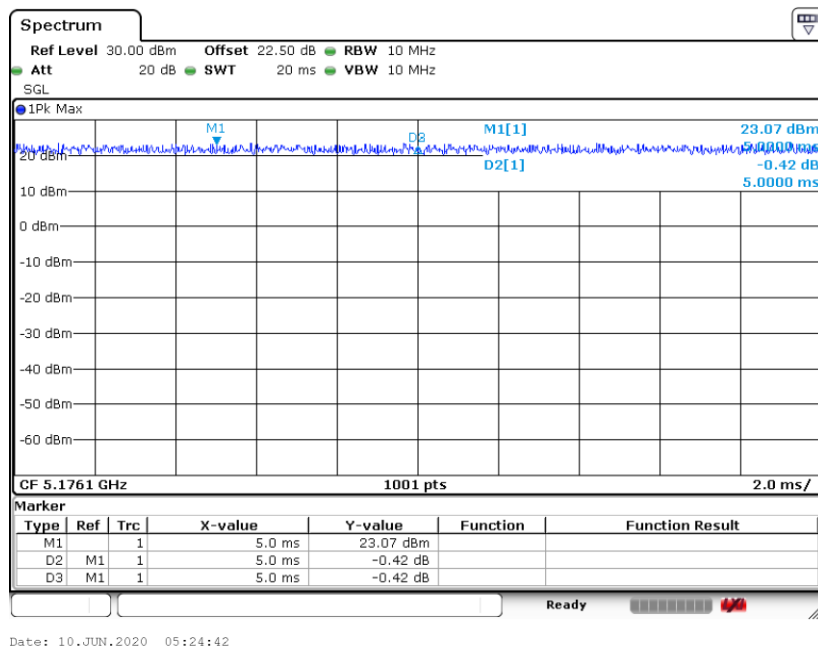


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802.11ax HE20 26 RU

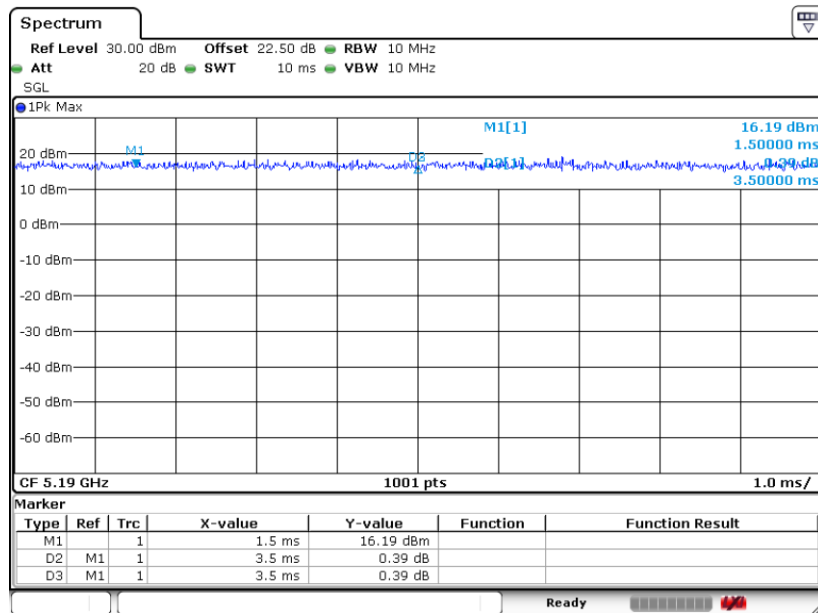


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**802.11ax HE20 52 RU****802.11ax HE20 106 RU**

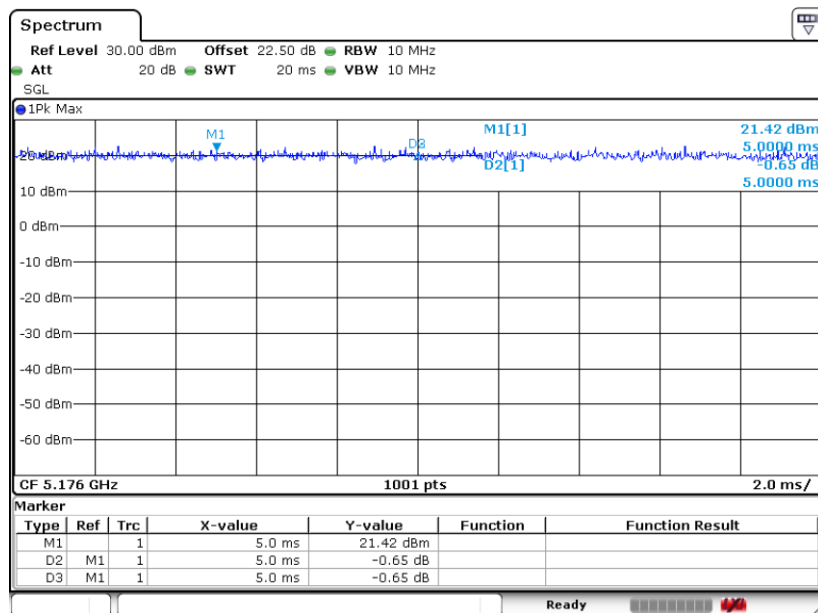


802.11ax HE40 Full RU



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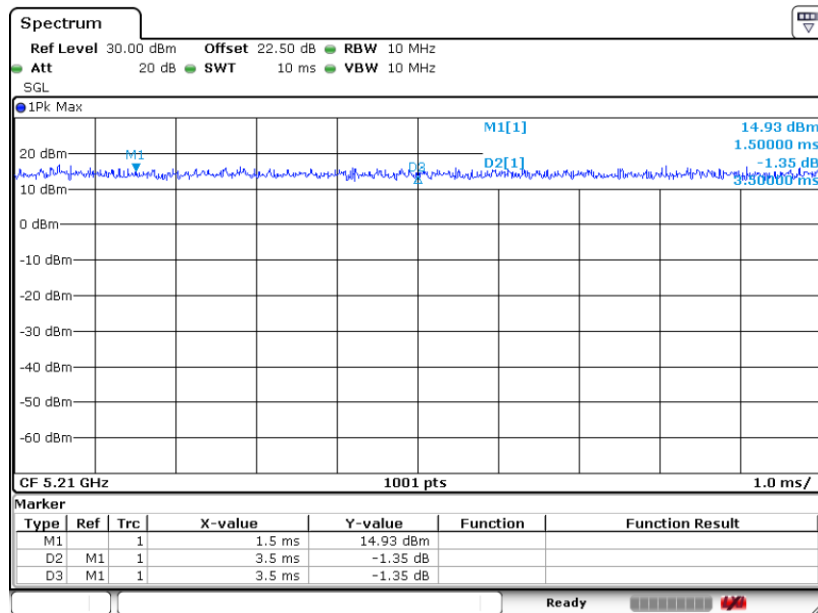
802.11ax HE40 242 RU



Date: 10.JUN.2020 05:30:09

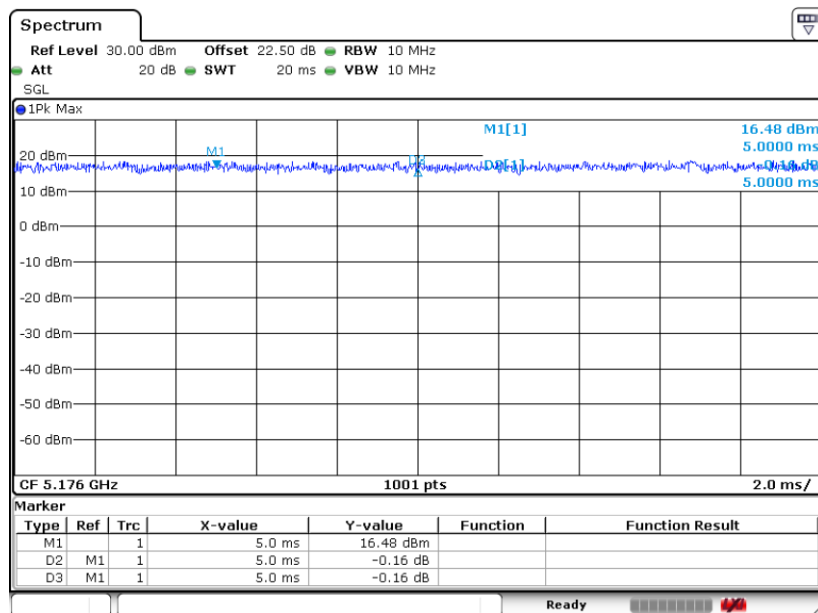


802.11ax HE80 Full RU



Date: 24.MAY.2020 14:02:43

802.11ax HE80 484 RU



Date: 10.JUN.2020 05:37:51