FCC RADIO TEST REPORT

FCC ID	:	**2AG7G-G1A**
Equipment	:	**Plume Adaptive WiFi**
Brand Name	:	**Plume Design Inc**
Model Name	:	**G1A**
Applicant	:	**Plume Design Inc** **325 Lytton Ave., Palo Alto, CA 94301**
Manufacturer	:	**Plume Design Inc** **325 Lytton Ave., Palo Alto, CA 94301**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 23, 2021 and testing was started from Mar. 29, 2021 and completed on Jul. 01, 2021. 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 333, 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 6
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 15
3.3 Power Spectral Density Measurement 16
3.4 Unwanted Emissions Measurement 19
3.5 AC Conducted Emission Measurement 24
3.6 Antenna Requirements 26
4 List of Measuring Equipment **28**
5 Uncertainty of Evaluation **30**
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
FR111911C	01	Initial issue of report	Jul. 21, 2021

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	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.05 dB at 5147.160 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.10 dB at 0.596 MHz
3.6	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: Keven Cheng

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	**WLAN** **<2400 MHz ~ 2483.5 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna **<5180 MHz ~ 5320 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna **<5500 MHz ~ 5825 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna **Bluetooth - LE:** IFA Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 4.0 Ant. 2: 2.5 Ant. 3: 3.8 Ant. 4: 3.0

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

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH02-HY, CO05-HY, 03CH07-HY

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

FCC designation No.: TW1190

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). The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X plane as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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 and 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.

CDD Mode

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

TXBF Mode

Modulation	Data Rate
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 : WLAN (5GHz) Link + Bluetooth Idle + LAN 1 Link + LAN 2 Link + Adapter

<CDD Mode>

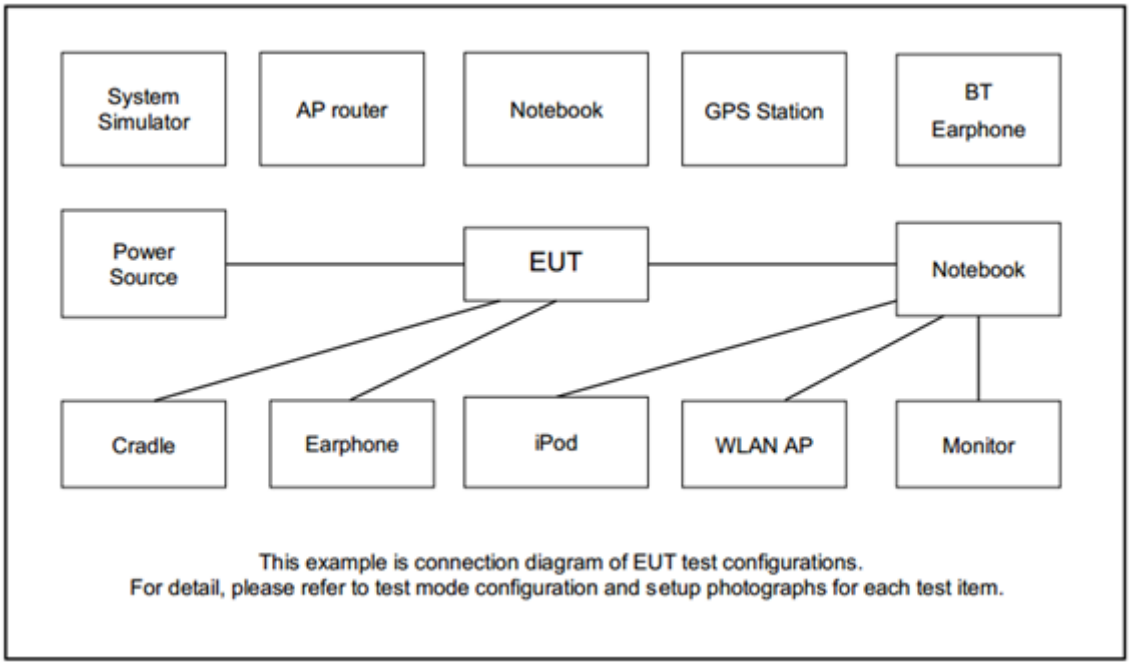
Ch. #		Band I：5150-5250 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	36	36	38	-
M	Middle	44	44	-	42
H	High	48	48	46	-

<TXBF Mode>

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Phone	SAMSUNG	SM-A730F/DS	A3LSMA730F	N/A	N/A
2.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	Dell	P144G	Doc	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	PC	msi	9461NGW	PD99461NG	N/A	Unshielded,1.8m
5.	RJ-45 Cable	N/A	N/A	N/A	Unshielded,1.5m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “accessMTool_REL_3_1_0_1” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “PUTTY_Release 0.60” software tool was used to enable the EUT to transmit signals continuously.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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.

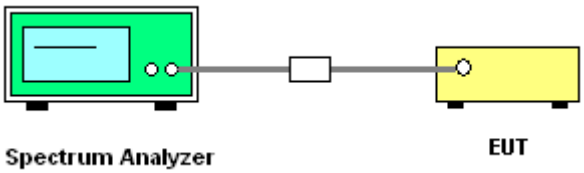
3.1.2 Measuring Instruments

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) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

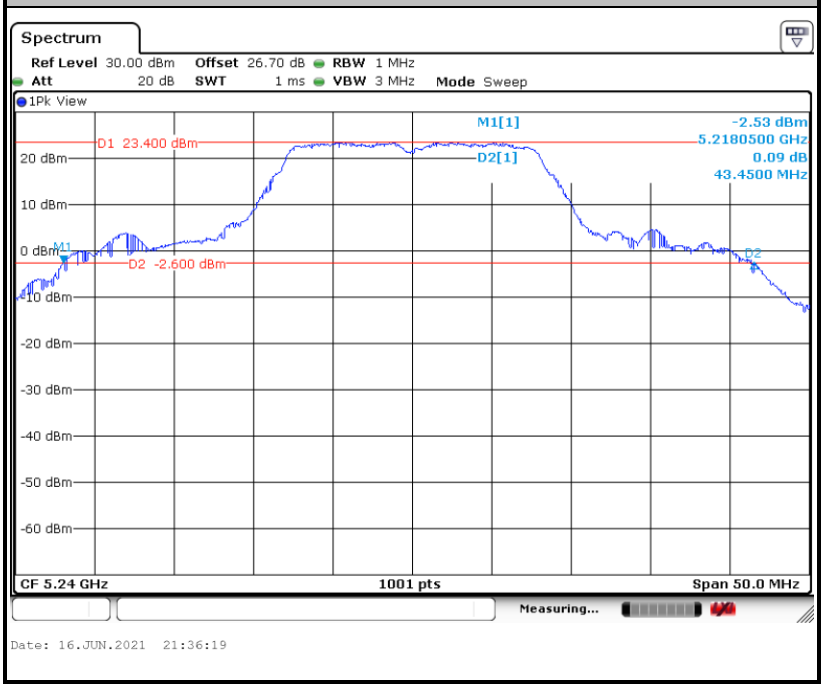


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

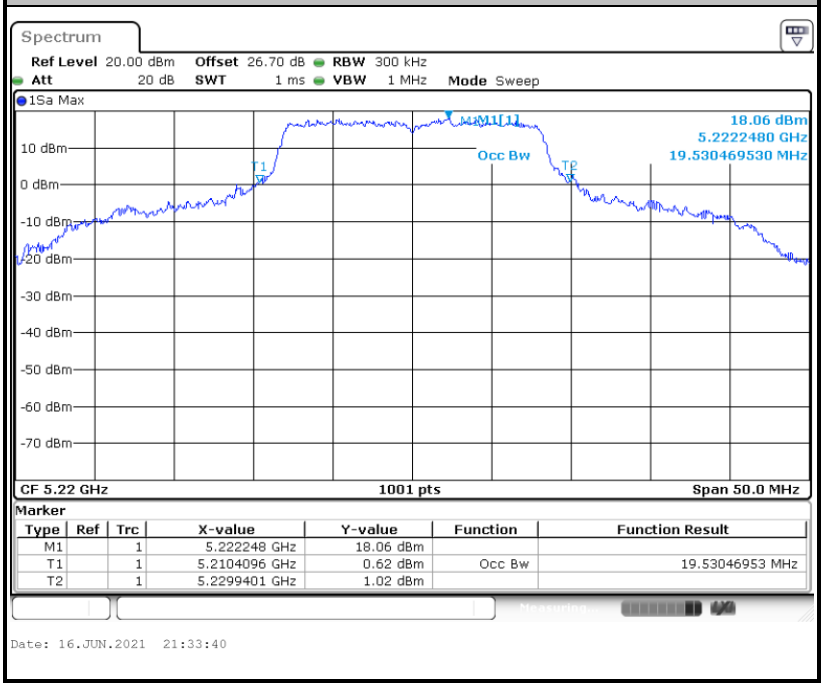
Please refer to Appendix A.

<CDD Mode>

Maximum 26dB Bandwidth



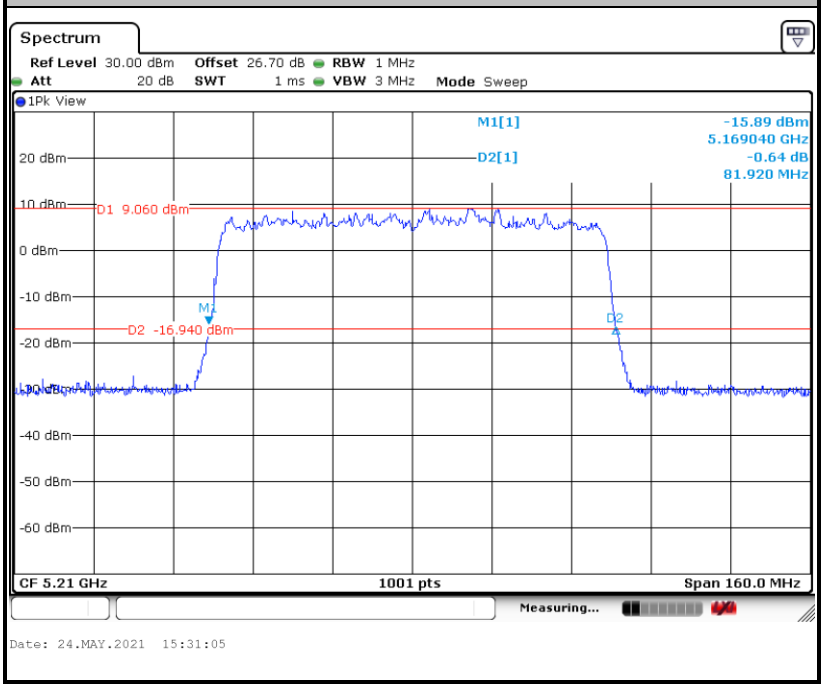
Maximum 99% Occupied Bandwidth



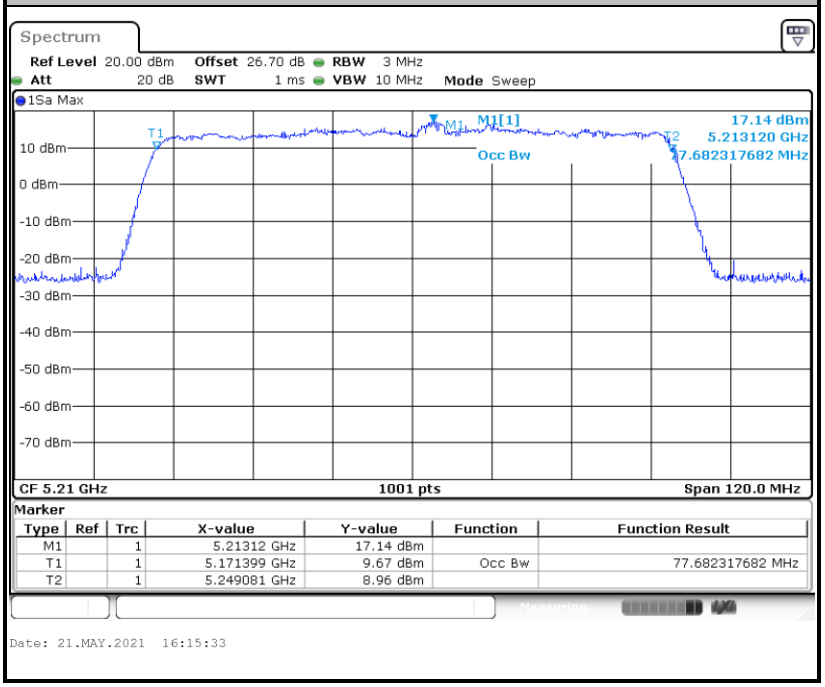
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For 802.11ax Mode>

Maximum 26dB Bandwidth



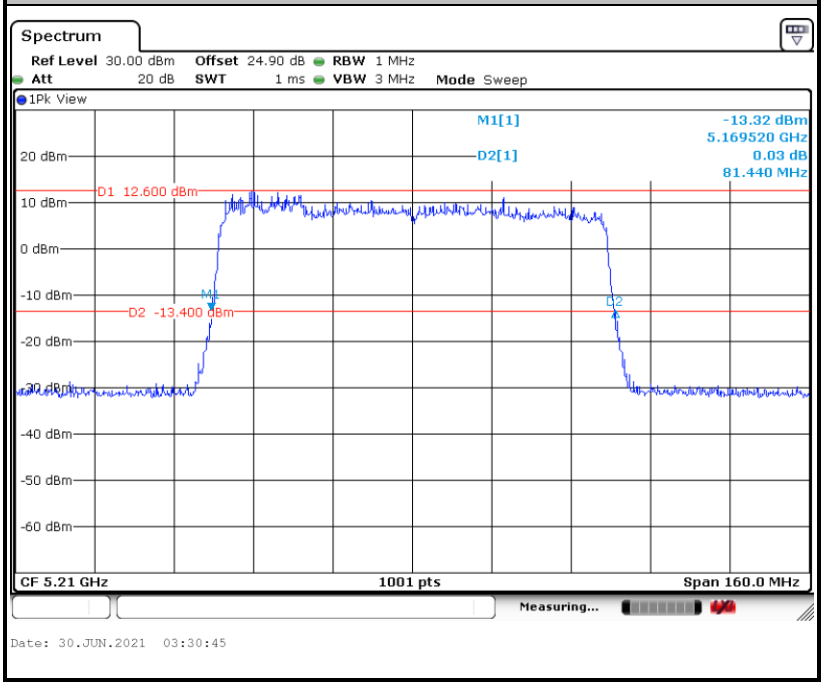
Maximum 99% Occupied Bandwidth



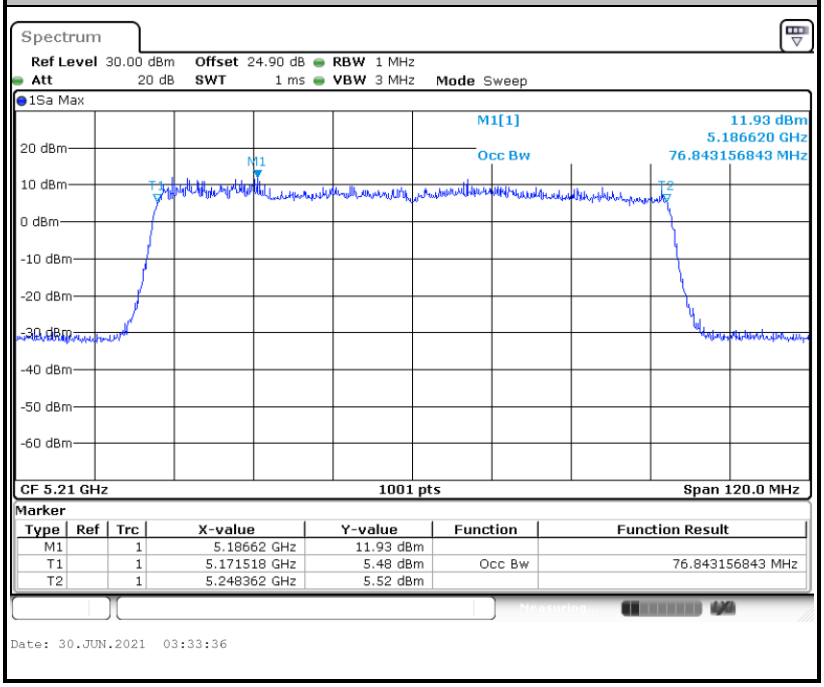
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<TXBF Modes>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

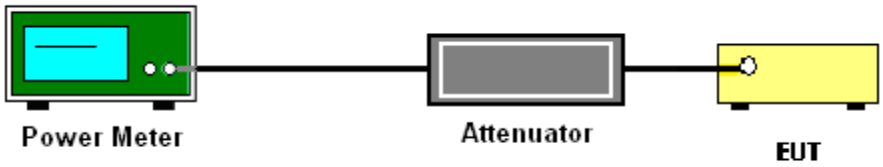
3.2.3 Test Procedures

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

Method PM-G (Measurement using a gated 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.

 # Method SA-3 #

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

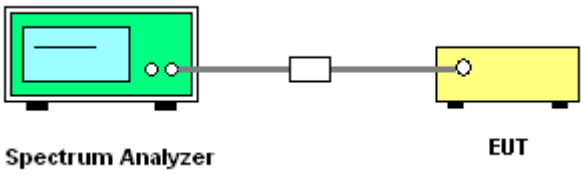
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which 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 4 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, output 3 and output 4 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup

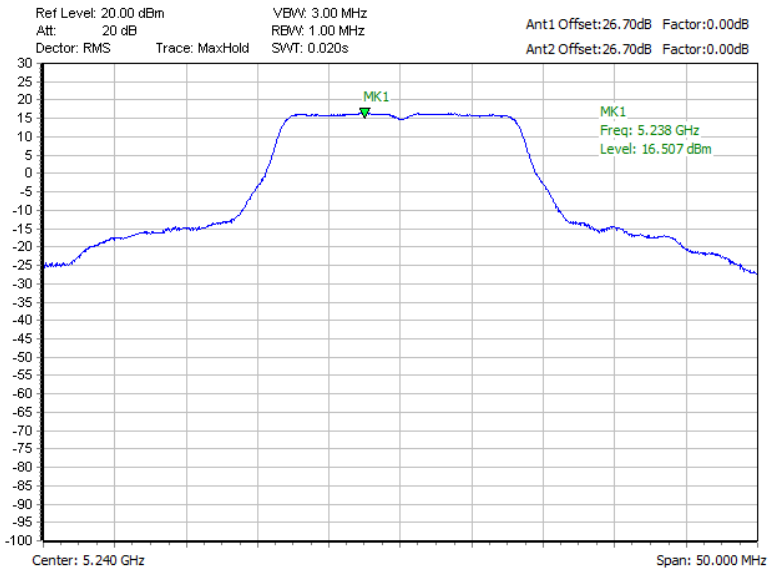


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

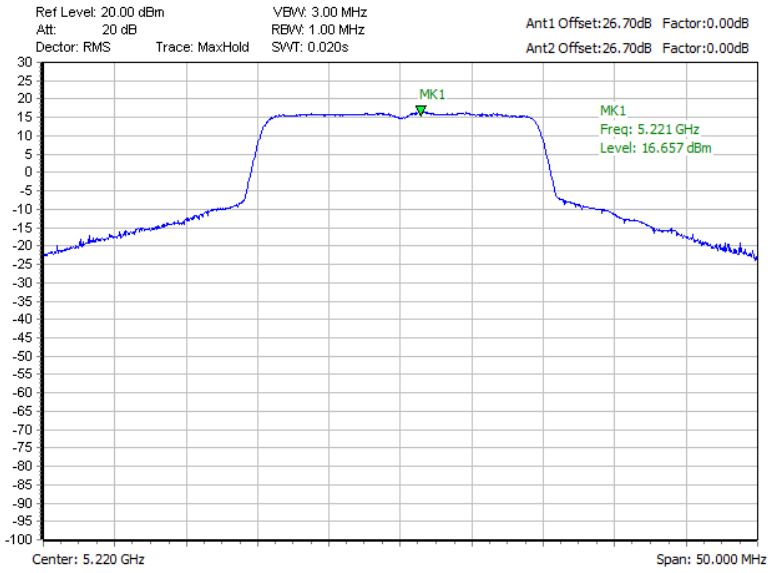
<CDD Modes>

Worst Case Power Density (dBm/MHz)



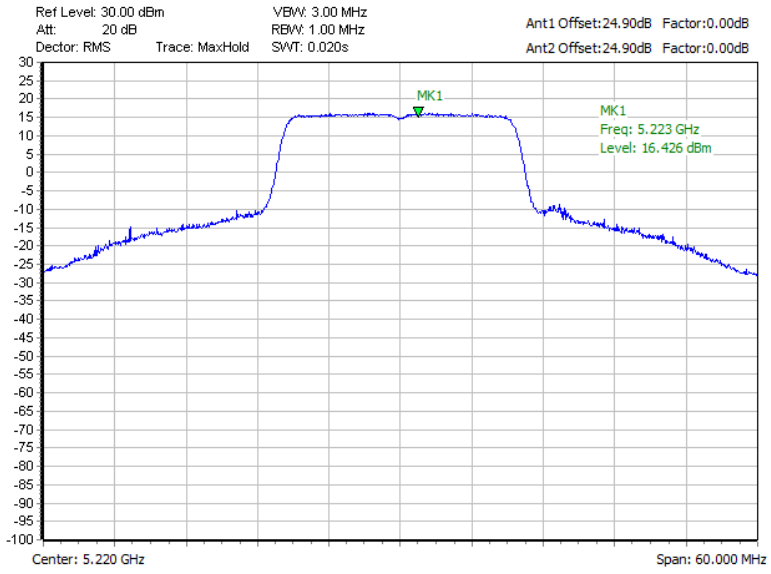
<For 802.11ax Modes>

Worst Case Power Density (dBm/MHz)



<TXBF Modes>

Worst Case Power Density (dBm/MHz)



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.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/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.

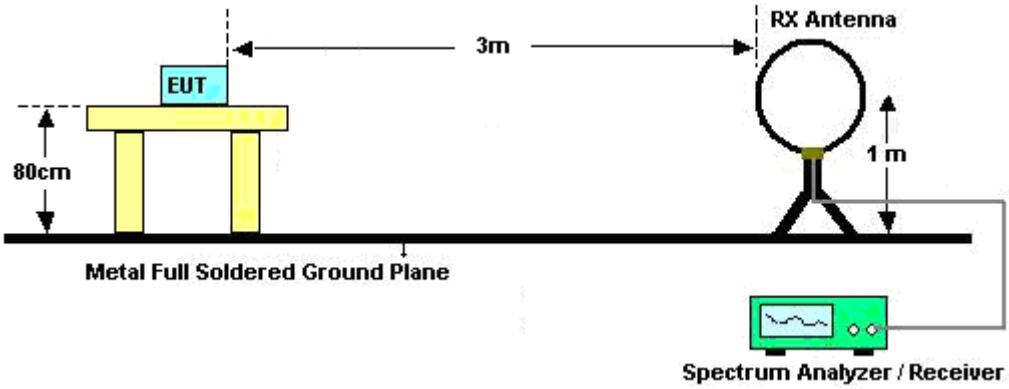
   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
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 1 GHz, 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 1 GHz, the emission level of the EUT in peak mode was 20 dB 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.

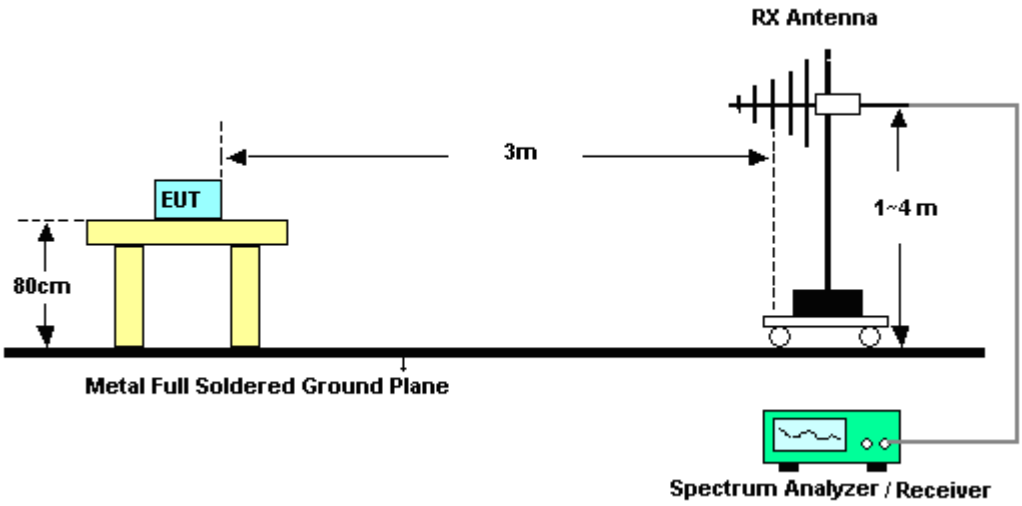
3.4.4 Test Setup

For radiated emissions below 30MHz

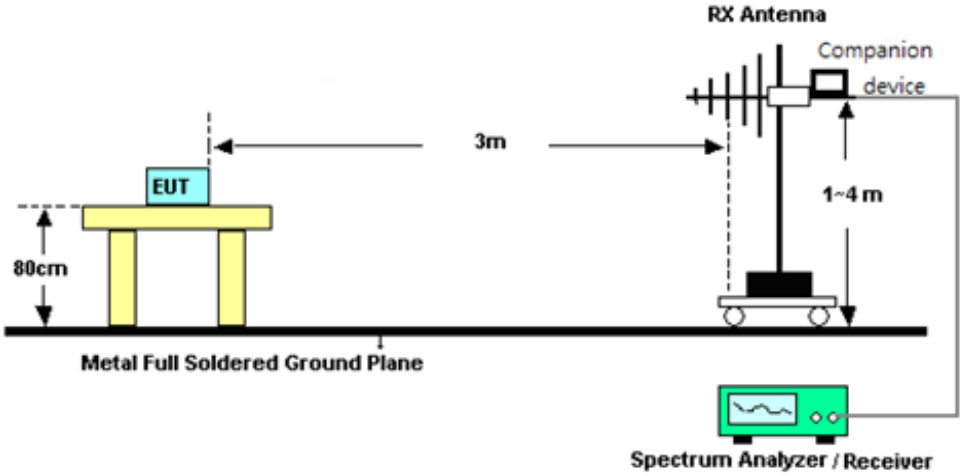


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

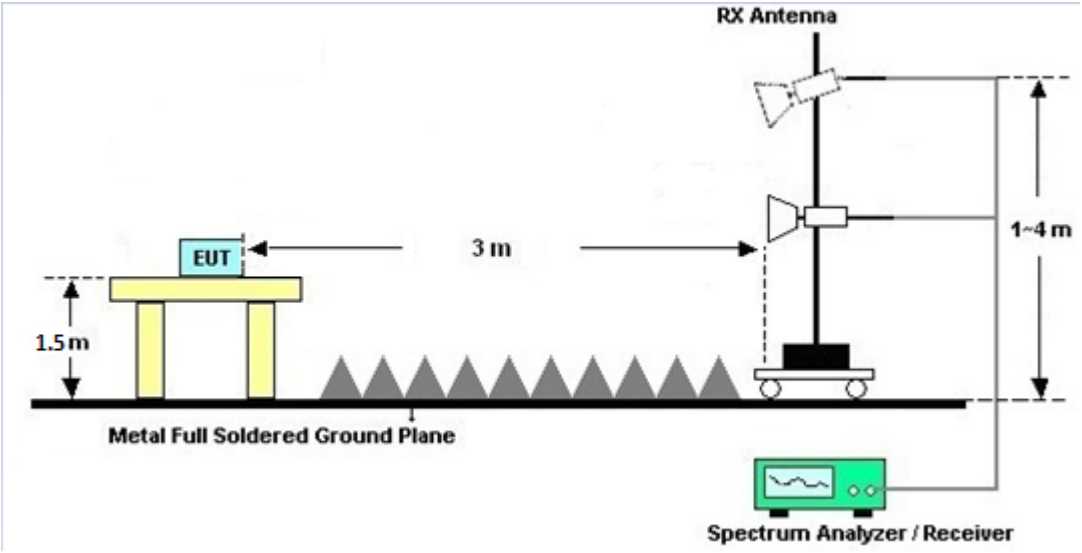


<TXBF Modes>

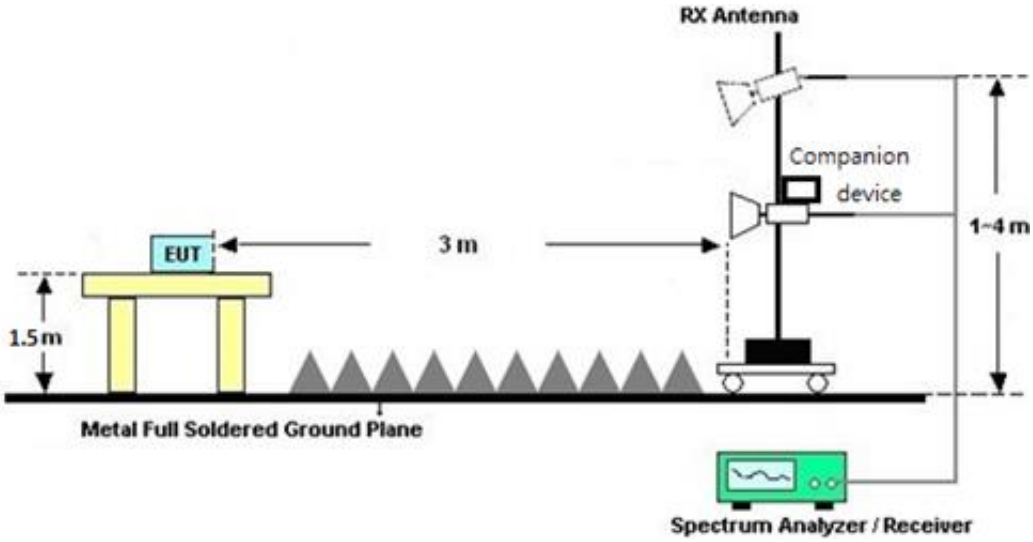


For radiated test above 1GHz

<CDD Mode>



<TXBF Modes>



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

3.4.6 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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

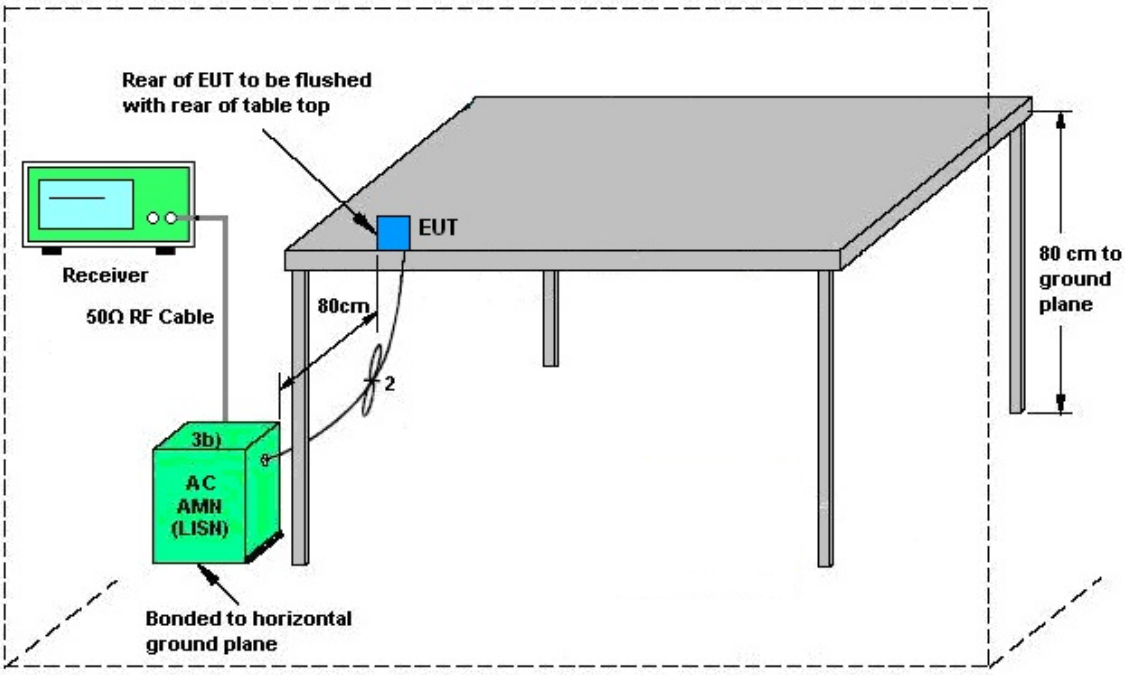
3.5.2 Measuring Instruments

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 shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 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(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 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>

Band I	Ant. 1 (dBi)	Ant. 2 (dBi)	Ant. 3 (dBi)	Ant. 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1x1	4.00				4.00	4.00	0.00	0.00
2x2	4.00	2.50			4.00	6.29	0.00	0.29
3x3	4.00	2.50	3.80		4.00	8.23	0.00	2.23
4x4	4.00	2.50	3.80	3.00	4.00	9.37	0.00	3.37

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)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.

Band I	Ant. 1 (dBi)	Ant. 2 (dBi)	Ant. 3 (dBi)	Ant. 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2x2	4.00	2.50			6.29	6.29	0.29	0.29
3x3	4.00	2.50	3.80		8.23	8.23	2.23	2.23
4x4	4.00	2.50	3.80	3.00	9.37	9.37	3.37	3.37

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 29, 2020	Mar. 29, 2021~ Apr. 27, 2021	Apr. 28, 2021	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Apr. 28, 2021~ Jun. 21, 2021	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2020	Mar. 29, 2021~ Jun. 21, 2021	Nov. 30, 2021	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Mar. 29, 2021~ Jun. 21, 2021	Jan. 03, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 23, 2020	Mar. 29, 2021~ Apr. 21, 2021	Apr. 22, 2021	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Apr. 22, 2021 ~ Jun. 21, 2021	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 19, 2020	Mar. 29, 2021~ May 17, 2021	May 18, 2021	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 18, 2021	May 18, 2021~ Jun. 21, 2021	May 17, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 31, 2020	Mar. 29, 2021~ Jun. 21, 2021	Oct. 30, 2021	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 31, 2020	Mar. 29, 2021~ Jun. 21, 2021	Jul. 30, 2021	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY53290053	20Hz~26.5GHz	May 24, 2021	Mar. 29, 2021~ Jun. 21, 2021	May 23, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jun. 09, 2020	Mar. 29, 2021~ Jun. 07, 2021	Jun. 08, 2021	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Jun. 08, 2021~ Jun. 21, 2021	May 06, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682-4	30MHz to 18GHz	Feb. 24, 2021	Mar. 29, 2021~ Jun. 21, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971-4	9kHz to 18GHz	Feb. 24, 2021	Mar. 29, 2021~ Jun. 21, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655-4	9kHz to 18GHz	Feb. 24, 2021	Mar. 29, 2021~ Jun. 21, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2, 801606/2	18GHz~40GHz	Feb. 24, 2021	Mar. 29, 2021~ Jun. 21, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 18, 2020	Mar. 29, 2021~ Jun. 21, 2021	Sep. 17, 2021	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	N/A	Mar. 29, 2021~ Jun. 21, 2021	N/A	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 03, 2021	May 05, 2021~ Jul. 01, 2021	Mar. 02, 2022	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 16, 2020	May 05, 2021~ Jul. 01, 2021	Dec. 15, 2021	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	May 05, 2021~ Jul. 01, 2021	Jul. 21, 2021	Conducted (TH02-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	May 05, 2021~ Jul. 01, 2021	Mar. 16, 2022	Conducted (TH02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	May 22, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	May 22, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	May 22, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	May 22, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 22, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	May 22, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	May 22, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB

Appendix A. Test Result of Conducted Test Items

<CDD Mode>

Test Engineer	Eason Huang	Temperature	21~25	°C
Test Date	2021/5/05~2021/06/17	Relative Humidity	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
11a	6Mbps	1	36	5180	22.7	-	-	-	17.08	-	-	-	22.32	-	-	-
11a	6Mbps	1	44	5220	43.45	-	-	-	19.53	-	-	-	22.91	-	-	-
11a	6Mbps	1	48	5240	43.45	-	-	-	19.33	-	-	-	22.86	-	-	-

Band I MIMO 2Tx Mode Ant 1 + 2													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2
11a	6Mbps	2	36	5180	22.65	22.40			17.13	16.83			22.26
11a	6Mbps	2	44	5220	38.55	28.65			17.18	16.98			22.30
11a	6Mbps	2	48	5240	38.85	32.30			17.18	16.98			22.30

Band I MIMO 3Tx Mode Ant 1 + 2 + 3													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3
11a	6Mbps	3	36	5180	22.60	22.55	22.35		17.08	17.13	16.78		22.25
11a	6Mbps	3	44	5220	22.65	22.50	22.35		17.03	17.08	16.83		22.26
11a	6Mbps	3	48	5240	22.65	22.40	22.40		17.03	17.08	16.83		22.26

Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3 + 4
11a	6Mbps	4	36	5180	22.55	22.85	22.50	22.40	17.08	17.18	17.03	16.93	22.29
11a	6Mbps	4	44	5220	22.70	22.70	22.50	22.45	17.03	17.13	17.03	16.88	22.27
11a	6Mbps	4	48	5240	22.70	22.85	22.40	22.50	17.03	17.13	17.08	16.88	22.27

Report Number : FR111911C

TEST RESULTS DATA
Average Power Table

FCC Band I Single Antenna																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)				DG (dBi)				Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	1	36	5180	22.10	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
11a	6Mbps	1	44	5220	26.50	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
11a	6Mbps	1	48	5240	26.40	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HT20	MCS0	1	36	5180	21.10	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HT20	MCS0	1	44	5220	26.70	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HT20	MCS0	1	48	5240	26.70	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HT40	MCS0	1	38	5190	19.90	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HT40	MCS0	1	46	5230	24.40	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT20	MCS0	1	36	5180	21.10	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT20	MCS0	1	44	5220	26.60	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT20	MCS0	1	48	5240	26.60	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT40	MCS0	1	38	5190	19.80	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT40	MCS0	1	46	5230	24.40	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
VHT80	MCS0	1	42	5210	18.90	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass

FCC Band I MIMO 2Tx Mode Ant 1 + 2												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2	Ant 1 + 2	
11a	6Mbps	2	36	5180	20.90	20.90			23.91	30.00	4.00	Pass
11a	6Mbps	2	44	5220	23.90	23.70			26.81	30.00	4.00	Pass
11a	6Mbps	2	48	5240	24.10	24.10			27.11	30.00	4.00	Pass
HT20	MCS0	2	36	5180	20.40	20.30			23.36	30.00	4.00	Pass
HT20	MCS0	2	44	5220	24.10	24.10			27.11	30.00	4.00	Pass
HT20	MCS0	2	48	5240	23.90	23.90			26.91	30.00	4.00	Pass
HT40	MCS0	2	38	5190	19.00	19.30			22.16	30.00	4.00	Pass
HT40	MCS0	2	46	5230	23.50	23.60			26.56	30.00	4.00	Pass
VHT20	MCS0	2	36	5180	20.30	20.20			23.26	30.00	4.00	Pass
VHT20	MCS0	2	44	5220	24.00	24.00			27.01	30.00	4.00	Pass
VHT20	MCS0	2	48	5240	23.90	23.90			26.91	30.00	4.00	Pass
VHT40	MCS0	2	38	5190	18.90	19.30			22.11	30.00	4.00	Pass
VHT40	MCS0	2	46	5230	23.40	23.50			26.46	30.00	4.00	Pass
VHT80	MCS0	2	42	5210	17.60	16.40			20.05	30.00	4.00	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
11a	6Mbps	3	36	5180	20.30	20.10	19.50		24.75	30.00	4.00	Pass
11a	6Mbps	3	44	5220	21.10	20.70	20.30		25.48	30.00	4.00	Pass
11a	6Mbps	3	48	5240	21.00	20.90	20.30		25.52	30.00	4.00	Pass
HT20	MCS0	3	36	5180	20.10	19.90	19.20		24.52	30.00	4.00	Pass
HT20	MCS0	3	44	5220	21.00	20.30	20.30		25.32	30.00	4.00	Pass
HT20	MCS0	3	48	5240	20.90	20.50	20.10		25.28	30.00	4.00	Pass
HT40	MCS0	3	38	5190	19.10	19.20	18.70		23.78	30.00	4.00	Pass
HT40	MCS0	3	46	5230	23.10	23.10	22.70		27.74	30.00	4.00	Pass
VHT20	MCS0	3	36	5180	20.00	19.90	19.10		24.46	30.00	4.00	Pass
VHT20	MCS0	3	44	5220	20.90	20.20	20.20		25.22	30.00	4.00	Pass
VHT20	MCS0	3	48	5240	20.90	20.40	20.10		25.25	30.00	4.00	Pass
VHT40	MCS0	3	38	5190	19.00	19.20	18.60		23.71	30.00	4.00	Pass
VHT40	MCS0	3	46	5230	23.00	23.00	22.60		27.64	30.00	4.00	Pass
VHT80	MCS0	3	42	5210	16.40	15.20	15.90		20.63	30.00	4.00	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
11a	6Mbps	4	36	5180	19.10	18.70	17.90	18.30	24.54	30.00	4.00	Pass
11a	6Mbps	4	44	5220	18.70	18.40	17.70	18.00	24.24	30.00	4.00	Pass
11a	6Mbps	4	48	5240	18.70	18.70	17.40	17.90	24.23	30.00	4.00	Pass
HT20	MCS0	4	36	5180	18.90	18.70	17.80	18.30	24.47	30.00	4.00	Pass
HT20	MCS0	4	44	5220	18.90	18.40	17.70	17.90	24.27	30.00	4.00	Pass
HT20	MCS0	4	48	5240	18.80	18.70	17.70	18.30	24.42	30.00	4.00	Pass
HT40	MCS0	4	38	5190	18.80	19.00	18.10	18.30	24.59	30.00	4.00	Pass
HT40	MCS0	4	46	5230	21.40	21.60	20.60	21.10	27.21	30.00	4.00	Pass
VHT20	MCS0	4	36	5180	18.80	18.60	17.70	18.20	24.37	30.00	4.00	Pass
VHT20	MCS0	4	44	5220	18.80	18.30	17.70	17.80	24.19	30.00	4.00	Pass
VHT20	MCS0	4	48	5240	18.80	18.60	17.70	18.20	24.37	30.00	4.00	Pass
VHT40	MCS0	4	38	5190	18.70	18.90	18.00	18.20	24.49	30.00	4.00	Pass
VHT40	MCS0	4	46	5230	21.30	21.50	20.50	21.00	27.11	30.00	4.00	Pass
VHT80	MCS0	4	42	5210	17.10	15.90	16.40	16.40	22.49	30.00	4.00	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I Single Antenna																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)				Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	1	36	5180	11.13	-	-	-	17	-	-	-	4.00	2.50	3.80	3.00	Pass
11a	6Mbps	1	44	5220	16.23	-	-	-	17	-	-	-	4.00	2.50	3.80	3.00	Pass
11a	6Mbps	1	48	5240	16.25	-	-	-	17	-	-	-	4.00	2.50	3.80	3.00	Pass

FCC Band I MIMO 2Tx Mode Ant 1 + 2								
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
					Ant 1 + 2	Ant 1 + 2	Ant 1 + 2	
11a	6Mbps	2	36	5180	12.91	16.71	6.29	Pass
11a	6Mbps	2	44	5220	15.88	16.71	6.29	Pass
11a	6Mbps	2	48	5240	16.51	16.71	6.29	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3								
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
					Ant 1 + 2 + 3	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
11a	6Mbps	3	36	5180	14.19	14.77	8.23	Pass
11a	6Mbps	3	44	5220	14.74	14.77	8.23	Pass
11a	6Mbps	3	48	5240	14.74	14.77	8.23	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4								
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
					Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
11a	6Mbps	4	36	5180	13.61	13.63	9.37	Pass
11a	6Mbps	4	44	5220	13.55	13.63	9.37	Pass
11a	6Mbps	4	48	5240	13.52	13.63	9.37	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I Single Antenna																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)			
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
HE20	MCS0	1	36	5180	Full	26.20	-	-	-	19.08	-	-	-	22.81	-	-	-
HE20	MCS0	1	44	5220	Full	45.15	-	-	-	20.08	-	-	-	23.01	-	-	-
HE20	MCS0	1	48	5240	Full	44.80	-	-	-	19.83	-	-	-	22.97	-	-	-
HE40	MCS0	1	38	5190	Full	41.04	-	-	-	37.86	-	-	-	23.01	-	-	-
HE40	MCS0	1	46	5230	Full	41.31	-	-	-	37.86	-	-	-	23.01	-	-	-
HE80	MCS0	1	42	5210	Full	81.28	-	-	-	77.68	-	-	-	23.01	-	-	-

Band I MIMO 2Tx Mode Ant 1 + 2														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2
HE20	MCS0	2	36	5180	Full	24.70	22.90			19.03	19.18			22.79
HE20	MCS0	2	44	5220	Full	32.70	29.15			19.13	19.13			22.82
HE20	MCS0	2	48	5240	Full	29.85	28.65			19.13	19.13			22.82
HE40	MCS0	2	38	5190	Full	41.04	40.95			37.86	37.76			23.01
HE40	HE40	2	46	5230	Full	40.95	43.56			37.86	37.76			23.01
HE80	MCS0	2	42	5210	Full	81.12	80.48			77.68	77.20			23.01

Band I MIMO 3Tx Mode Ant 1 + 2 + 3														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3
HE20	MCS0	3	36	5180	Full	22.85	22.85	22.85		19.03	19.13	19.18		22.79
HE20	MCS0	3	44	5220	Full	22.55	22.90	22.80		19.08	19.13	19.18		22.81
HE20	MCS0	3	48	5240	Full	22.65	22.85	22.80		19.08	19.13	19.13		22.81
HE40	MCS0	3	38	5190	Full	40.86	40.50	40.95		37.76	37.76	37.76		23.01
HE40	MCS0	3	46	5230	Full	41.13	40.95	40.86		37.96	37.76	37.76		23.01
HE80	MCS0	3	42	5210	Full	81.28	80.96	81.92		77.56	77.32	77.56		23.01

Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3 + 4
HE20	MCS0	4	36	5180	Full	22.80	22.85	22.80	22.85	19.13	19.13	19.13	19.23	22.82
HE20	MCS0	4	44	5220	Full	22.65	22.85	22.75	22.80	19.08	19.08	19.13	19.18	22.81
HE20	MCS0	4	48	5240	Full	22.75	22.85	22.80	22.90	19.08	19.13	19.13	19.18	22.81
HE40	MCS0	4	38	5190	Full	40.86	40.77	40.86	41.13	37.76	37.76	37.76	37.76	23.01
HE40	MCS0	4	46	5230	Full	41.13	40.95	40.95	41.04	37.76	37.76	37.76	37.76	23.01
HE80	MCS0	4	42	5210	Full	81.28	80.80	81.28	81.76	77.68	77.44	77.68	77.68	23.01

Report Number : FR111911C

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 Power Limit (dBm)				DG (dBi)				Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
HE20	MCS0	1	36	5180	Full	21.20	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HE20	MCS0	1	44	5220	Full	26.80	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HE20	MCS0	1	48	5240	Full	26.80	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HE40	MCS0	1	38	5190	Full	20.00	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HE40	MCS0	1	46	5230	Full	24.50	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass
HE80	MCS0	1	42	5210	Full	19.00	-	-	-		30.00	30.00	30.00	30.00	4.00	2.50	3.80	3.00	Pass

FCC Band I MIMO 2Tx Mode Ant 1 + 2													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2	Ant 1 + 2	
HE20	MCS0	2	36	5180	Full	20.50	20.40			23.46	30.00	4.00	Pass
HE20	MCS0	2	44	5220	Full	24.20	24.20			27.21	30.00	4.00	Pass
HE20	MCS0	2	48	5240	Full	24.00	24.00			27.01	30.00	4.00	Pass
HE40	MCS0	2	38	5190	Full	19.10	19.40			22.26	30.00	4.00	Pass
HE40	HE40	2	46	5230	Full	23.60	23.70			26.66	30.00	4.00	Pass
HE80	MCS0	2	42	5210	Full	17.70	16.50			20.15	30.00	4.00	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
HE20	MCS0	3	36	5180	Full	20.20	20.00	19.30		24.62	30.00	4.00	Pass
HE20	MCS0	3	44	5220	Full	21.10	20.40	20.40		25.42	30.00	4.00	Pass
HE20	MCS0	3	48	5240	Full	21.00	20.60	20.20		25.38	30.00	4.00	Pass
HE40	MCS0	3	38	5190	Full	19.20	19.30	18.80		23.88	30.00	4.00	Pass
HE40	MCS0	3	46	5230	Full	23.20	23.20	22.80		27.84	30.00	4.00	Pass
HE80	MCS0	3	42	5210	Full	16.50	15.30	16.00		20.73	30.00	4.00	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
HE20	MCS0	4	36	5180	Full	19.00	18.80	17.90	18.40	24.57	30.00	4.00	Pass
HE20	MCS0	4	44	5220	Full	19.00	18.50	17.80	18.00	24.37	30.00	4.00	Pass
HE20	MCS0	4	48	5240	Full	18.90	18.80	17.80	18.40	24.52	30.00	4.00	Pass
HE40	MCS0	4	38	5190	Full	18.90	19.10	18.20	18.40	24.69	30.00	4.00	Pass
HE40	MCS0	4	46	5230	Full	21.50	21.70	20.70	21.20	27.31	30.00	4.00	Pass
HE80	MCS0	4	42	5210	Full	17.20	16.00	16.50	16.50	22.59	30.00	4.00	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I Single Antenna																		
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)				Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
HE20	MCS0	1	36	5180	Full	10.20	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass
HE20	MCS0	1	44	5220	Full	16.55	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass
HE20	MCS0	1	48	5240	Full	16.56	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass
HE40	MCS0	1	38	5190	Full	6.22	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass
HE40	MCS0	1	46	5230	Full	10.27	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass
HE80	MCS0	1	42	5210	Full	2.59	-	-	-	17.00	-	-	-	4.00	2.50	3.80	3.00	Pass

FCC Band I MIMO 2Tx Mode Ant 1 + 2									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2	Ant 1 + 2	Ant 1 + 2	
HE20	MCS0	2	36	5180	Full	12.48	16.71	6.29	Pass
HE20	MCS0	2	44	5220	Full	16.66	16.71	6.29	Pass
HE20	MCS0	2	48	5240	Full	16.58	16.71	6.29	Pass
HE40	MCS0	2	38	5190	Full	8.52	16.71	6.29	Pass
HE40	HE40	2	46	5230	Full	12.93	16.71	6.29	Pass
HE80	MCS0	2	42	5210	Full	3.75	16.71	6.29	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2 + 3	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
HE20	MCS0	3	36	5180	Full	13.94	14.77	8.23	Pass
HE20	MCS0	3	44	5220	Full	14.74	14.77	8.23	Pass
HE20	MCS0	3	48	5240	Full	14.72	14.77	8.23	Pass
HE40	MCS0	3	38	5190	Full	10.11	14.77	8.23	Pass
HE40	MCS0	3	46	5230	Full	14.37	14.77	8.23	Pass
HE80	MCS0	3	42	5210	Full	4.57	14.77	8.23	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
HE20	MCS0	4	36	5180	Full	13.36	13.63	9.37	Pass
HE20	MCS0	4	44	5220	Full	13.52	13.63	9.37	Pass
HE20	MCS0	4	48	5240	Full	13.58	13.63	9.37	Pass
HE40	MCS0	4	38	5190	Full	10.93	13.63	9.37	Pass
HE40	MCS0	4	46	5230	Full	13.45	13.63	9.37	Pass
HE80	MCS0	4	42	5210	Full	6.37	13.63	9.37	Pass

Report Number : FR111911C

<TXBF Mode>

Test Engineer	Derek Hsu	Temperature	21~25	°C
Test Date	2021/06/24~2021/07/01	Relative Humidity	51~54	%
Tool & Version	Command	Test Site	TH02-HY	

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 2Tx Mode Ant 1 + 2												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2	Ant 1 + 2	
HT20	MCS0	2	36	5180	20.90	20.70			23.81	29.71	6.29	Pass
HT20	MCS0	2	44	5220	24.00	24.00			27.01	29.71	6.29	Pass
HT20	MCS0	2	48	5240	23.70	24.10			26.91	29.71	6.29	Pass
HT40	MCS0	2	38	5190	20.40	19.10			22.81	29.71	6.29	Pass
HT40	MCS0	2	46	5230	24.20	23.20			26.74	29.71	6.29	Pass
VHT20	MCS0	2	36	5180	21.10	20.70			23.91	29.71	6.29	Pass
VHT20	MCS0	2	44	5220	23.90	24.10			27.01	29.71	6.29	Pass
VHT20	MCS0	2	48	5240	23.70	23.90			26.81	29.71	6.29	Pass
VHT40	MCS0	2	38	5190	20.30	19.30			22.84	29.71	6.29	Pass
VHT40	MCS0	2	46	5230	24.30	23.30			26.84	29.71	6.29	Pass
VHT80	MCS0	2	42	5210	18.70	17.80			21.28	29.71	6.29	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
HT20	MCS0	3	36	5180	20.10	19.90	20.70		25.02	27.77	8.23	Pass
HT20	MCS0	3	44	5220	20.20	20.40	20.90		25.28	27.77	8.23	Pass
HT20	MCS0	3	48	5240	19.90	20.30	20.90		25.16	27.77	8.23	Pass
HT40	MCS0	3	38	5190	17.40	16.70	17.70		22.06	27.77	8.23	Pass
HT40	MCS0	3	46	5230	20.10	19.50	20.70		24.90	27.77	8.23	Pass
VHT20	MCS0	3	36	5180	20.30	20.00	20.70		25.11	27.77	8.23	Pass
VHT20	MCS0	3	44	5220	20.40	20.40	20.90		25.34	27.77	8.23	Pass
VHT20	MCS0	3	48	5240	20.00	20.20	20.80		25.12	27.77	8.23	Pass
VHT40	MCS0	3	38	5190	17.20	16.50	17.60		21.89	27.77	8.23	Pass
VHT40	MCS0	3	46	5230	20.00	19.30	20.40		24.69	27.77	8.23	Pass
VHT80	MCS0	3	42	5210	17.30	16.50	17.50		21.89	27.77	8.23	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
HT20	MCS0	4	36	5180	18.30	18.00	18.60	18.40	24.35	26.63	9.37	Pass
HT20	MCS0	4	44	5220	18.30	18.20	18.80	18.30	24.43	26.63	9.37	Pass
HT20	MCS0	4	48	5240	17.40	17.50	18.00	17.50	23.63	26.63	9.37	Pass
HT40	MCS0	4	38	5190	17.30	16.60	17.60	16.80	23.11	26.63	9.37	Pass
HT40	MCS0	4	46	5230	18.30	17.90	18.70	17.80	24.21	26.63	9.37	Pass
VHT20	MCS0	4	36	5180	18.40	18.20	18.70	18.50	24.47	26.63	9.37	Pass
VHT20	MCS0	4	44	5220	18.30	18.40	18.70	18.30	24.45	26.63	9.37	Pass
VHT20	MCS0	4	48	5240	17.20	17.60	17.70	17.60	23.55	26.63	9.37	Pass
VHT40	MCS0	4	38	5190	17.20	16.50	17.50	16.50	22.97	26.63	9.37	Pass
VHT40	MCS0	4	46	5230	18.20	17.70	18.60	17.70	24.09	26.63	9.37	Pass
VHT80	MCS0	4	42	5210	16.50	15.60	16.50	15.70	22.12	26.63	9.37	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO 2Tx Mode Ant 1 + 2														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2
HE20	MCS0	2	36	5180	Full	22.83	22.84			19.68	19.73			22.94
HE20	MCS0	2	44	5220	Full	33.06	27.23			19.93	19.93			23.00
HE20	MCS0	2	48	5240	Full	36.04	26.58			19.78	19.88			22.96
HE40	MCS0	2	38	5190	Full	40.79	40.70			37.76	37.76			23.01
HE40	HE40	2	46	5230	Full	59.39	40.88			37.96	37.86			23.01
HE80	MCS0	2	42	5210	Full	81.28	81.28			76.72	76.60			23.01

Band I MIMO 3Tx Mode Ant 1 + 2 + 3														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3
HE20	MCS0	3	36	5180	Full	22.95	22.65	22.75		19.73	19.73	19.63		22.93
HE20	MCS0	3	44	5220	Full	23.05	22.70	22.70		19.73	19.68	19.68		22.94
HE20	MCS0	3	48	5240	Full	23.05	22.60	22.80		19.78	19.68	19.73		22.94
HE40	MCS0	3	38	5190	Full	41.13	40.86	40.86		37.66	37.66	37.76		23.01
HE40	MCS0	3	46	5230	Full	41.04	40.86	40.95		37.66	37.56	37.56		23.01
HE80	MCS0	3	42	5210	Full	81.12	81.28	81.12		76.72	76.60	76.84		23.01

Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1 + 2 + 3 + 4
HE20	MCS0	4	36	5180	Full	22.85	22.80	22.60	22.60	19.63	19.68	19.63	19.73	22.93
HE20	MCS0	4	44	5220	Full	23.00	22.55	22.75	22.65	19.68	19.63	19.73	19.58	22.92
HE20	MCS0	4	48	5240	Full	22.90	22.70	23.05	22.70	19.68	19.68	19.73	19.68	22.94
HE40	MCS0	4	38	5190	Full	41.04	41.04	41.22	41.49	37.76	37.66	37.66	37.76	23.01
HE40	MCS0	4	46	5230	Full	41.13	41.22	41.13	41.22	37.66	37.76	37.66	37.76	23.01
HE80	MCS0	4	42	5210	Full	81.44	80.96	81.28	80.96	76.84	76.60	76.84	76.72	23.01

Report Number : FR111911C

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 2Tx Mode Ant 1 + 2													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2	Ant 1 + 2	
HE20	MCS0	2	36	5180	Full	21.40	21.10			24.26	29.71	6.29	Pass
HE20	MCS0	2	44	5220	Full	24.20	24.30			27.26	29.71	6.29	Pass
HE20	MCS0	2	48	5240	Full	24.00	24.10			27.06	29.71	6.29	Pass
HE40	MCS0	2	38	5190	Full	20.60	19.50			23.10	29.71	6.29	Pass
HE40	MCS0	2	46	5230	Full	24.40	23.70			27.07	29.71	6.29	Pass
HE80	MCS0	2	42	5210	Full	19.20	18.20			21.74	29.71	6.29	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
HE20	MCS0	3	36	5180	Full	20.30	20.30	20.90		25.28	27.77	8.23	Pass
HE20	MCS0	3	44	5220	Full	20.50	20.80	21.30		25.65	27.77	8.23	Pass
HE20	MCS0	3	48	5240	Full	20.30	20.60	21.20		25.49	27.77	8.23	Pass
HE40	MCS0	3	38	5190	Full	17.50	16.90	17.70		22.15	27.77	8.23	Pass
HE40	MCS0	3	46	5230	Full	20.00	19.70	20.70		24.93	27.77	8.23	Pass
HE80	MCS0	3	42	5210	Full	17.70	17.00	17.70		22.25	27.77	8.23	Pass

FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
HE20	MCS0	4	36	5180	Full	18.50	18.40	18.70	18.40	24.52	26.63	9.37	Pass
HE20	MCS0	4	44	5220	Full	18.40	18.60	18.80	18.50	24.60	26.63	9.37	Pass
HE20	MCS0	4	48	5240	Full	17.60	17.80	18.20	17.70	23.85	26.63	9.37	Pass
HE40	MCS0	4	38	5190	Full	17.40	16.70	17.50	16.80	23.13	26.63	9.37	Pass
HE40	MCS0	4	46	5230	Full	18.40	17.90	18.70	18.00	24.28	26.63	9.37	Pass
HE80	MCS0	4	42	5210	Full	16.80	16.00	16.80	16.00	22.44	26.63	9.37	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO 2Tx Mode Ant 1 + 2									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2	Ant 1 + 2	Ant 1 + 2	
HE20	MCS0	2	36	5180	Full	13.72	16.71	6.29	Pass
HE20	MCS0	2	44	5220	Full	16.43	16.71	6.29	Pass
HE20	MCS0	2	48	5240	Full	16.30	16.71	6.29	Pass
HE40	MCS0	2	38	5190	Full	11.36	16.71	6.29	Pass
HE40	HE40	2	46	5230	Full	15.45	16.71	6.29	Pass
HE80	MCS0	2	42	5210	Full	10.02	16.71	6.29	Pass

FCC Band I MIMO 3Tx Mode Ant 1 + 2 + 3									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2 + 3	Ant 1 + 2 + 3	Ant 1 + 2 + 3	
HE20	MCS0	3	36	5180	Full	14.38	14.77	8.23	Pass
HE20	MCS0	3	44	5220	Full	14.62	14.77	8.23	Pass
HE20	MCS0	3	48	5240	Full	14.56	14.77	8.23	Pass
HE40	MCS0	3	38	5190	Full	11.12	14.77	8.23	Pass
HE40	MCS0	3	46	5230	Full	14.04	14.77	8.23	Pass
HE80	MCS0	3	42	5210	Full	11.39	14.77	8.23	Pass

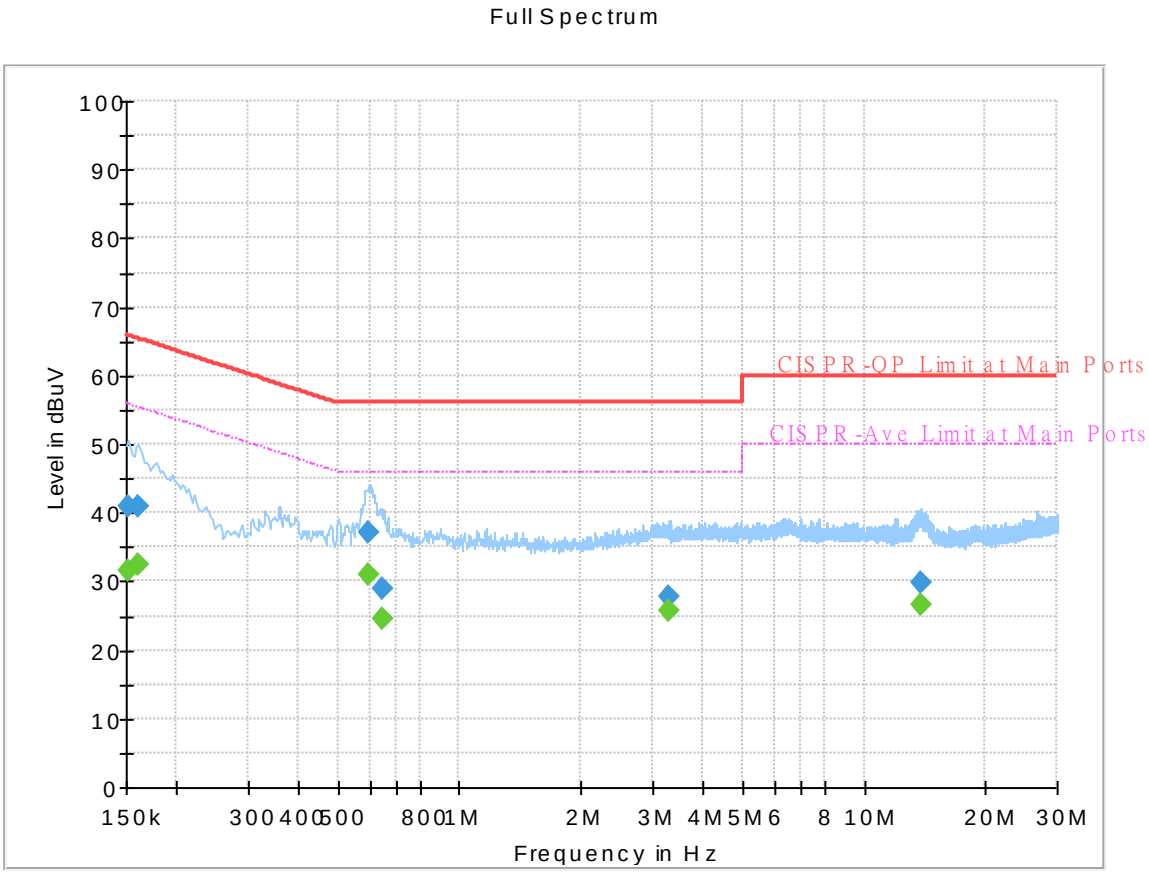
FCC Band I MIMO 4Tx Mode Ant 1 + 2 + 3 + 4									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	Ant 1 + 2 + 3 + 4	
HE20	MCS0	4	36	5180	Full	13.57	13.63	9.37	Pass
HE20	MCS0	4	44	5220	Full	13.57	13.63	9.37	Pass
HE20	MCS0	4	48	5240	Full	12.96	13.63	9.37	Pass
HE40	MCS0	4	38	5190	Full	11.77	13.63	9.37	Pass
HE40	MCS0	4	46	5230	Full	13.12	13.63	9.37	Pass
HE80	MCS0	4	42	5210	Full	10.99	13.63	9.37	Pass

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	111911
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

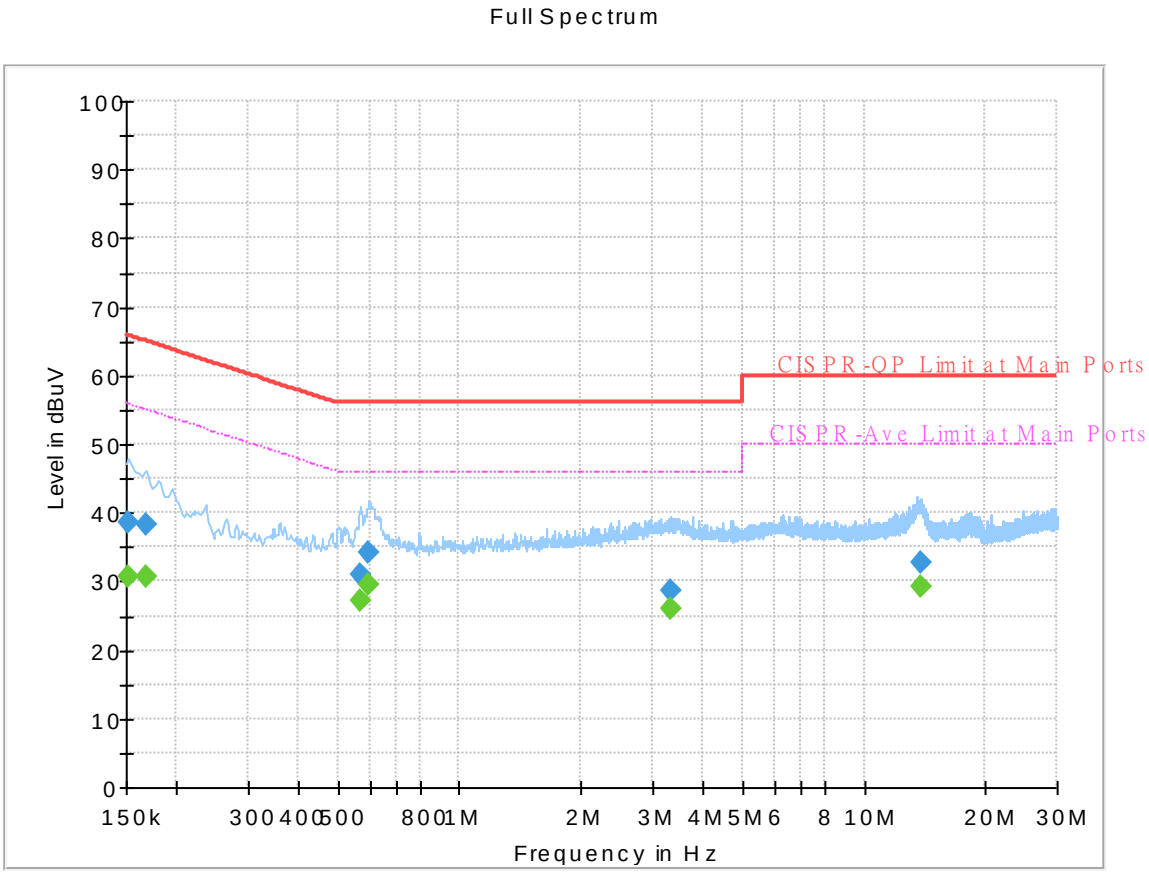


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.69	55.88	24.19	L1	OFF	19.5
0.152250	41.04	---	65.88	24.84	L1	OFF	19.5
0.161250	---	32.49	55.40	22.91	L1	OFF	19.5
0.161250	40.90	---	65.40	24.50	L1	OFF	19.5
0.595500	---	30.90	46.00	15.10	L1	OFF	19.8
0.595500	37.08	---	56.00	18.92	L1	OFF	19.8
0.647250	---	24.42	46.00	21.58	L1	OFF	19.8
0.647250	28.89	---	56.00	27.11	L1	OFF	19.8
3.306750	---	25.66	46.00	20.34	L1	OFF	19.9
3.306750	27.89	---	56.00	28.11	L1	OFF	19.9
13.888500	---	26.74	50.00	23.26	L1	OFF	20.1
13.888500	29.86	---	60.00	30.14	L1	OFF	20.1

EUT Information

Report NO :	111911
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.59	55.88	25.29	N	OFF	19.5
0.152250	38.65	---	65.88	27.23	N	OFF	19.5
0.168000	---	30.56	55.06	24.50	N	OFF	19.5
0.168000	38.33	---	65.06	26.73	N	OFF	19.5
0.568500	---	27.13	46.00	18.87	N	OFF	19.8
0.568500	31.06	---	56.00	24.94	N	OFF	19.8
0.597750	---	29.43	46.00	16.57	N	OFF	19.8
0.597750	34.23	---	56.00	21.77	N	OFF	19.8
3.333750	---	25.91	46.00	20.09	N	OFF	19.9
3.333750	28.52	---	56.00	27.48	N	OFF	19.9
13.753500	---	29.13	50.00	20.87	N	OFF	20.2
13.753500	32.88	---	60.00	27.12	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	Temperature :	23.5~26.8°C
		Relative Humidity :	52.3~58.9%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5148.2	64.57	-9.43	74	53.86	34.2	11.79	35.28	117	207	P	H
		5150	51.98	-2.02	54	41.27	34.2	11.79	35.28	117	207	A	H
	*	5180	114.82	-	-	103.99	34.27	11.83	35.27	117	207	P	H
	*	5180	107.09	-	-	96.26	34.27	11.83	35.27	117	207	A	H
													H
													H
		5133.64	60.3	-13.7	74	49.62	34.2	11.77	35.29	256	115	P	V
		5150	52.64	-1.36	54	41.93	34.2	11.79	35.28	256	115	A	V
	*	5180	116.66	-	-	105.83	34.27	11.83	35.27	256	115	P	V
	*	5180	108.65	-	-	97.82	34.27	11.83	35.27	256	115	A	V
													V
													V
802.11a CH 44 5220MHz		5150	56.01	-17.99	74	45.3	34.2	11.79	35.28	100	206	P	H
		5149.24	46.45	-7.55	54	35.74	34.2	11.79	35.28	100	206	A	H
	*	5220	115.78	-	-	104.87	34.3	11.86	35.25	100	206	P	H
	*	5220	107.21	-	-	96.3	34.3	11.86	35.25	100	206	A	H
		5362.56	49.99	-24.01	74	38.75	34.47	11.95	35.18	100	206	P	H
		5351.08	42.1	-11.9	54	30.94	34.4	11.94	35.18	100	206	A	H
		5143.78	55.92	-18.08	74	45.21	34.2	11.79	35.28	313	116	P	V
		5150	47.71	-6.29	54	37	34.2	11.79	35.28	313	116	A	V
	*	5220	118.73	-	-	107.82	34.3	11.86	35.25	313	116	P	V
	*	5220	110.41	-	-	99.5	34.3	11.86	35.25	313	116	A	V
		5386.08	51.6	-22.4	74	40.28	34.53	11.96	35.17	313	116	P	V
		5383	43.1	-10.9	54	31.78	34.53	11.96	35.17	313	116	A	V

802.11a CH 48 5240MHz		5149.5	53.8	-20.2	74	43.09	34.2	11.79	35.28	100	203	P	H
		5149.5	44.72	-9.28	54	34.01	34.2	11.79	35.28	100	203	A	H
	*	5240	115.29	-	-	104.36	34.3	11.87	35.24	100	203	P	H
	*	5240	107.23	-	-	96.3	34.3	11.87	35.24	100	203	A	H
		5393.08	50.96	-23.04	74	39.63	34.53	11.97	35.17	100	203	P	H
		5350.8	42.71	-11.29	54	31.55	34.4	11.94	35.18	100	203	A	H
		5149.76	56.12	-17.88	74	45.41	34.2	11.79	35.28	250	114	P	V
		5149.76	46.21	-7.79	54	35.5	34.2	11.79	35.28	250	114	A	V
	*	5240	118.19	-	-	107.26	34.3	11.87	35.24	250	114	P	V
	*	5240	110.23	-	-	99.3	34.3	11.87	35.24	250	114	A	V
		5351.08	52.04	-21.96	74	40.88	34.4	11.94	35.18	250	114	P	V
		5350.24	44.15	-9.85	54	32.99	34.4	11.94	35.18	250	114	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. 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	42.27	-25.93	68.2	45.64	37.57	18.37	59.31	100	0	P	H
		15540	44.06	-29.94	74	37.86	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.73	-23.47	68.2	48.1	37.57	18.37	59.31	100	0	P	V
		15540	43.75	-30.25	74	37.55	40.27	23.16	57.23	100	0	P	V
													V
													V
													V
													V
802.11a CH 44 5220MHz		10440	43.64	-24.56	68.2	46.81	37.6	18.44	59.21	100	0	P	H
		15660	46.86	-27.14	74	40.32	40.4	23.26	57.12	100	0	P	H
													H
													H
													H
													H
		10440	45.35	-22.85	68.2	48.52	37.6	18.44	59.21	100	0	P	V
		15660	47.81	-26.19	74	41.27	40.4	23.26	57.12	100	0	P	V
													V
													V
													V
													V

802.11a CH 48 5240MHz		10480	43.68	-24.52	68.2	46.77	37.6	18.47	59.16	100	0	P	H
		15720	49.21	-24.79	74	42.36	40.62	23.3	57.07	100	0	P	H
													H
													H
													H
													H
		10480	46.17	-22.03	68.2	49.26	37.6	18.47	59.16	100	0	P	V
		15720	56.28	-17.72	74	49.43	40.62	23.3	57.07	198	303	P	V
		15720	44.22	-9.78	54	37.37	40.62	23.3	57.07	198	303	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5149.76	61.78	-12.22	74	51.07	34.2	11.79	35.28	115	208	P	H
		5149.24	49.85	-4.15	54	39.14	34.2	11.79	35.28	115	208	A	H
	*	5180	112.87	-	-	102.04	34.27	11.83	35.27	115	208	P	H
	*	5180	105.08	-	-	94.25	34.27	11.83	35.27	115	208	A	H
													H
													H
		5146.38	60.71	-13.29	74	50	34.2	11.79	35.28	241	115	P	V
		5149.5	51.72	-2.28	54	41.01	34.2	11.79	35.28	241	115	A	V
	*	5180	116.62	-	-	105.79	34.27	11.83	35.27	241	115	P	V
	*	5180	107.17	-	-	96.34	34.27	11.83	35.27	241	115	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5148.46	56.59	-17.41	74	45.88	34.2	11.79	35.28	100	205	P	H
		5150	48.42	-5.58	54	37.71	34.2	11.79	35.28	100	205	A	H
	*	5220	116.01	-	-	105.1	34.3	11.86	35.25	100	205	P	H
	*	5220	106.71	-	-	95.8	34.3	11.86	35.25	100	205	A	H
		5389.72	51.65	-22.35	74	40.33	34.53	11.96	35.17	100	205	P	H
		5350	42.4	-11.6	54	31.24	34.4	11.94	35.18	100	205	A	H
		5146.9	58.86	-15.14	74	48.15	34.2	11.79	35.28	313	116	P	V
		5150	49.93	-4.07	54	39.22	34.2	11.79	35.28	313	116	A	V
	*	5220	119.2	-	-	108.29	34.3	11.86	35.25	313	116	P	V
	*	5220	110.11	-	-	99.2	34.3	11.86	35.25	313	116	A	V
		5351.36	51.23	-22.77	74	40.07	34.4	11.94	35.18	313	116	P	V
		5387.48	42.93	-11.07	54	31.61	34.53	11.96	35.17	313	116	A	V

802.11ax HE20 Full CH 48 5240MHz		5148.98	55.31	-18.69	74	44.6	34.2	11.79	35.28	100	203	P	H
		5150	45.77	-8.23	54	35.06	34.2	11.79	35.28	100	203	A	H
	*	5240	116.23	-	-	105.3	34.3	11.87	35.24	100	203	P	H
	*	5240	106.83	-	-	95.9	34.3	11.87	35.24	100	203	A	H
		5350.24	51.57	-22.43	74	40.41	34.4	11.94	35.18	100	203	P	H
		5350.24	42.97	-11.03	54	31.81	34.4	11.94	35.18	100	203	A	H
		5142.74	56.15	-17.85	74	45.46	34.2	11.78	35.29	250	114	P	V
		5150	46.96	-7.04	54	36.25	34.2	11.79	35.28	250	114	A	V
	*	5240	119.53	-	-	108.6	34.3	11.87	35.24	250	114	P	V
	*	5240	109.73	-	-	98.8	34.3	11.87	35.24	250	114	A	V
		5387.76	52.38	-21.62	74	41.06	34.53	11.96	35.17	250	114	P	V
		5350.24	44.38	-9.62	54	33.22	34.4	11.94	35.18	250	114	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 Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	42.59	-25.61	68.2	45.96	37.57	18.37	59.31	100	0	P	H
		15540	45.07	-28.93	74	38.87	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	42.61	-25.59	68.2	45.98	37.57	18.37	59.31	100	0	P	V
		15540	45.47	-28.53	74	39.27	40.27	23.16	57.23	100	0	P	V
													V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	42.4	-25.8	68.2	45.57	37.6	18.44	59.21	100	0	P	H
		15660	46.68	-27.32	74	40.14	40.4	23.26	57.12	100	0	P	H
													H
													H
													H
													H
		10440	44.5	-23.7	68.2	47.67	37.6	18.44	59.21	100	0	P	V
		15660	48.13	-25.87	74	41.59	40.4	23.26	57.12	100	0	P	V
													V
													V
													V
													V

802.11ax HE20 Full CH 48 5240MHz		10480	43.89	-24.31	68.2	46.98	37.6	18.47	59.16	100	0	P	H
		15720	50.11	-23.89	74	43.26	40.62	23.3	57.07	100	0	P	H
													H
													H
													H
													H
		10480	47.18	-21.02	68.2	50.27	37.6	18.47	59.16	100	0	P	V
		15720	54.62	-19.38	74	47.77	40.62	23.3	57.07	196	304	P	V
		15720	44.55	-9.45	54	37.7	40.62	23.3	57.07	196	304	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5145.86	61.21	-12.79	74	50.5	34.2	11.79	35.28	100	210	P	H
		5146.64	51.07	-2.93	54	40.36	34.2	11.79	35.28	100	210	A	H
	*	5190	111.6	-	-	100.76	34.27	11.84	35.27	100	210	P	H
	*	5190	101.69	-	-	90.85	34.27	11.84	35.27	100	210	A	H
		5363.12	50.29	-23.71	74	39.05	34.47	11.95	35.18	100	210	P	H
		5351.92	42.87	-11.13	54	31.71	34.4	11.94	35.18	100	210	A	H
		5148.72	62.19	-11.81	74	51.48	34.2	11.79	35.28	239	122	P	V
		5149.76	52.73	-1.27	54	42.02	34.2	11.79	35.28	239	122	A	V
	*	5190	113.45	-	-	102.61	34.27	11.84	35.27	239	122	P	V
	*	5190	103.39	-	-	92.55	34.27	11.84	35.27	239	122	A	V
		5356.68	51.62	-22.38	74	40.46	34.4	11.94	35.18	239	122	P	V
		5355.84	43.27	-10.73	54	32.11	34.4	11.94	35.18	239	122	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.76	57.44	-16.56	74	46.73	34.2	11.79	35.28	109	208	P	H
		5148.72	50.04	-3.96	54	39.33	34.2	11.79	35.28	109	208	A	H
	*	5230	113.04	-	-	102.11	34.3	11.87	35.24	109	208	P	H
	*	5230	104.61	-	-	93.68	34.3	11.87	35.24	109	208	A	H
		5352.48	52.54	-21.46	74	41.38	34.4	11.94	35.18	109	208	P	H
		5351.64	44.42	-9.58	54	33.26	34.4	11.94	35.18	109	208	A	H
		5149.76	58.26	-15.74	74	47.55	34.2	11.79	35.28	266	123	P	V
		5150	50.79	-3.21	54	40.08	34.2	11.79	35.28	266	123	A	V
	*	5230	113.66	-	-	102.73	34.3	11.87	35.24	266	123	P	V
	*	5230	105.79	-	-	94.86	34.3	11.87	35.24	266	123	A	V
		5350	52.65	-21.35	74	41.49	34.4	11.94	35.18	266	123	P	V
		5351.36	45.2	-8.8	54	34.04	34.4	11.94	35.18	266	123	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 Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	41.4	-26.8	68.2	44.71	37.58	18.39	59.28	100	0	P	H
		15570	44.96	-29.04	74	38.74	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	41.75	-26.45	68.2	45.06	37.58	18.39	59.28	100	0	P	V
		15570	44.9	-29.1	74	38.68	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	42.55	-25.65	68.2	45.69	37.6	18.45	59.19	100	0	P	H
		15690	45.5	-28.5	74	38.79	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	42.69	-25.51	68.2	45.83	37.6	18.45	59.19	100	0	P	V
		15690	45.61	-28.39	74	38.9	40.53	23.28	57.1	100	0	P	V
													V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5147.42	56.75	-17.25	74	46.04	34.2	11.79	35.28	100	209	P	H
		5142.48	50.97	-3.03	54	40.28	34.2	11.78	35.29	100	209	A	H
	*	5210	106.24	-	-	95.33	34.3	11.86	35.25	100	209	P	H
	*	5210	97.51	-	-	86.6	34.3	11.86	35.25	100	209	A	H
		5361.16	49.69	-24.31	74	38.45	34.47	11.95	35.18	100	209	P	H
		5350	43.94	-10.06	54	32.78	34.4	11.94	35.18	100	209	A	H
		5144.82	59.57	-14.43	74	48.86	34.2	11.79	35.28	269	126	P	V
		5150	52.31	-1.69	54	41.6	34.2	11.79	35.28	269	126	A	V
	*	5210	108.22	-	-	97.31	34.3	11.86	35.25	269	126	P	V
	*	5210	98.96	-	-	88.05	34.3	11.86	35.25	269	126	A	V
		5367.88	50.92	-23.08	74	39.68	34.47	11.95	35.18	269	126	P	V
		5350.52	44.1	-9.9	54	32.94	34.4	11.94	35.18	269	126	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 Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		10420	42.33	-25.87	68.2	45.55	37.6	18.42	59.24	100	0	P	H
		15630	44.25	-29.75	74	37.83	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	42.41	-25.79	68.2	45.63	37.6	18.42	59.24	100	0	P	V
		15630	43.83	-30.17	74	37.41	40.33	23.24	57.15	100	0	P	V
													V
													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 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	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		5135.72	55.57	-18.43	74	44.88	34.2	11.78	35.29	249	190	P	H
		5149.76	51.03	-2.97	54	40.32	34.2	11.79	35.28	249	190	A	H
	*	5180	114.88	-	-	104.05	34.27	11.83	35.27	249	190	P	H
	*	5180	107.73	-	-	96.9	34.27	11.83	35.27	249	190	A	H
													H
													H
		5149.24	63.59	-10.41	74	52.88	34.2	11.79	35.28	269	133	P	V
		5149.76	52.23	-1.77	54	41.52	34.2	11.79	35.28	269	133	A	V
	*	5180	115.91	-	-	105.08	34.27	11.83	35.27	269	133	P	V
	*	5180	108.86	-	-	98.03	34.27	11.83	35.27	269	133	A	V
													V
													V
802.11a CH 44 5220MHz		5145.34	53.89	-20.11	74	43.18	34.2	11.79	35.28	107	206	P	H
		5146.38	44.17	-9.83	54	33.46	34.2	11.79	35.28	107	206	A	H
	*	5220	116.12	-	-	105.21	34.3	11.86	35.25	107	206	P	H
	*	5220	108.81	-	-	97.9	34.3	11.86	35.25	107	206	A	H
		5350.8	50.83	-23.17	74	39.67	34.4	11.94	35.18	107	206	P	H
		5351.36	42.25	-11.75	54	31.09	34.4	11.94	35.18	107	206	A	H
		5144.56	53.88	-20.12	74	43.17	34.2	11.79	35.28	281	122	P	V
		5146.12	45.01	-8.99	54	34.3	34.2	11.79	35.28	281	122	A	V
	*	5220	118.01	-	-	107.1	34.3	11.86	35.25	281	122	P	V
	*	5220	110.21	-	-	99.3	34.3	11.86	35.25	281	122	A	V
		5380.76	50.57	-23.43	74	39.25	34.53	11.96	35.17	281	122	P	V
		5362.84	42.81	-11.19	54	31.57	34.47	11.95	35.18	281	122	A	V

802.11a CH 48 5240MHz		5148.2	53.15	-20.85	74	42.44	34.2	11.79	35.28	100	202	P	H
		5128.96	44.11	-9.89	54	33.43	34.2	11.77	35.29	100	202	A	H
	*	5240	117.88	-	-	106.95	34.3	11.87	35.24	100	202	P	H
	*	5240	110.03	-	-	99.1	34.3	11.87	35.24	100	202	A	H
		5353.6	51.85	-22.15	74	40.69	34.4	11.94	35.18	100	202	P	H
		5350.52	43.26	-10.74	54	32.1	34.4	11.94	35.18	100	202	A	H
		5146.9	53.12	-20.88	74	42.41	34.2	11.79	35.28	258	151	P	V
		5127.92	44.78	-9.22	54	34.1	34.2	11.77	35.29	258	151	A	V
	*	5240	119.2	-	-	108.27	34.3	11.87	35.24	258	151	P	V
	*	5240	111.43	-	-	100.5	34.3	11.87	35.24	258	151	A	V
		5356.4	51.89	-22.11	74	40.73	34.4	11.94	35.18	258	151	P	V
		5350.52	43.92	-10.08	54	32.76	34.4	11.94	35.18	258	151	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. 1+2	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	42.77	-25.43	68.2	46.14	37.57	18.37	59.31	100	0	P	H
		15540	46.44	-27.56	74	40.24	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.09	-24.11	68.2	47.46	37.57	18.37	59.31	100	0	P	V
		15540	53.23	-20.77	74	47.03	40.27	23.16	57.23	205	243	P	V
		15540	42	-12	54	35.8	40.27	23.16	57.23	205	243	A	V
													V
													V
													V
802.11a CH 44 5220MHz		10440	44	-24.2	68.2	47.17	37.6	18.44	59.21	100	0	P	H
		15660	58.93	-15.07	74	52.39	40.4	23.26	57.12	198	296	P	H
		15660	45.37	-8.63	54	38.83	40.4	23.26	57.12	198	296	A	H
													H
													H
													H
		10440	42.76	-25.44	68.2	45.93	37.6	18.44	59.21	100	0	P	V
		15660	63.48	-10.52	74	56.94	40.4	23.26	57.12	204	241	P	V
		15660	51.35	-2.65	54	44.81	40.4	23.26	57.12	204	241	A	V
													V
													V
													V

802.11a CH 48 5240MHz		10480	45.42	-22.78	68.2	48.51	37.6	18.47	59.16	100	0	P	H
		15720	59.1	-14.9	74	52.25	40.62	23.3	57.07	200	311	P	H
		15720	47.93	-6.07	54	41.08	40.62	23.3	57.07	200	311	A	H
													H
													H
													H
		10480	46.56	-21.64	68.2	49.65	37.6	18.47	59.16	100	0	P	V
		15720	64.15	-9.85	74	57.3	40.62	23.3	57.07	203	240	P	V
		15720	52.36	-1.64	54	45.51	40.62	23.3	57.07	203	240	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.98	57.59	-16.41	74	46.88	34.2	11.79	35.28	100	187	P	H
		5149.24	50.52	-3.48	54	39.81	34.2	11.79	35.28	100	187	A	H
	*	5180	114.52	-	-	103.69	34.27	11.83	35.27	100	187	P	H
	*	5180	106.27	-	-	95.44	34.27	11.83	35.27	100	187	A	H
													H
													H
		5149.76	62.34	-11.66	74	51.63	34.2	11.79	35.28	258	120	P	V
		5149.5	52.6	-1.4	54	41.89	34.2	11.79	35.28	258	120	A	V
	*	5180	116.02	-	-	105.19	34.27	11.83	35.27	258	120	P	V
	*	5180	107.53	-	-	96.7	34.27	11.83	35.27	258	120	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5139.36	53.47	-20.53	74	42.78	34.2	11.78	35.29	107	193	P	H
		5148.72	46.05	-7.95	54	35.34	34.2	11.79	35.28	107	193	A	H
	*	5220	117.46	-	-	106.55	34.3	11.86	35.25	107	193	P	H
	*	5220	108.51	-	-	97.6	34.3	11.86	35.25	107	193	A	H
		5379.92	49.98	-24.02	74	38.66	34.53	11.96	35.17	107	193	P	H
		5374.04	42.22	-11.78	54	30.97	34.47	11.95	35.17	107	193	A	H
		5145.86	54.67	-19.33	74	43.96	34.2	11.79	35.28	282	124	P	V
		5146.64	46.39	-7.61	54	35.68	34.2	11.79	35.28	282	124	A	V
	*	5220	118.72	-	-	107.81	34.3	11.86	35.25	282	124	P	V
	*	5220	110.2	-	-	99.29	34.3	11.86	35.25	282	124	A	V
		5375.72	51.09	-22.91	74	39.83	34.47	11.96	35.17	282	124	P	V
		5356.12	42.86	-11.14	54	31.7	34.4	11.94	35.18	282	124	A	V

802.11ax HE20 Full CH 48 5240MHz		5135.46	52.22	-21.78	74	41.53	34.2	11.78	35.29	100	198	P	H
		5149.76	44.82	-9.18	54	34.11	34.2	11.79	35.28	100	198	A	H
	*	5240	117.24	-	-	106.31	34.3	11.87	35.24	100	198	P	H
	*	5240	109.45	-	-	98.52	34.3	11.87	35.24	100	198	A	H
		5384.12	50.48	-23.52	74	39.16	34.53	11.96	35.17	100	198	P	H
		5352.76	43.12	-10.88	54	31.96	34.4	11.94	35.18	100	198	A	H
		5139.1	55.32	-18.68	74	44.63	34.2	11.78	35.29	252	121	P	V
		5150	45.65	-8.35	54	34.94	34.2	11.79	35.28	252	121	A	V
	*	5240	118.99	-	-	108.06	34.3	11.87	35.24	252	121	P	V
	*	5240	111.08	-	-	100.15	34.3	11.87	35.24	252	121	A	V
		5354.16	51.19	-22.81	74	40.03	34.4	11.94	35.18	252	121	P	V
		5350	43.79	-10.21	54	32.63	34.4	11.94	35.18	252	121	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	43.21	-24.99	68.2	46.58	37.57	18.37	59.31	100	0	P	H
		15540	45.84	-28.16	74	39.64	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.41	-23.79	68.2	47.78	37.57	18.37	59.31	100	0	P	V
		15540	52.49	-21.51	74	46.29	40.27	23.16	57.23	205	238	P	V
		15540	41.84	-12.16	54	35.64	40.27	23.16	57.23	205	238	A	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	44.15	-24.05	68.2	47.32	37.6	18.44	59.21	100	0	P	H
		15660	56.16	-17.84	74	49.62	40.4	23.26	57.12	208	312	P	H
		15660	46.12	-7.88	54	39.58	40.4	23.26	57.12	208	312	A	H
													H
													H
													H
		10440	45.2	-23	68.2	48.37	37.6	18.44	59.21	100	0	P	V
		15660	63.97	-10.03	74	57.43	40.4	23.26	57.12	208	237	P	V
		15660	52.53	-1.47	54	45.99	40.4	23.26	57.12	208	237	A	V
													V
													V
													V

		10480	44.93	-23.27	68.2	48.02	37.6	18.47	59.16	100	0	P	H
		15720	56.82	-17.18	74	49.97	40.62	23.3	57.07	203	311	P	H
		15720	45.96	-8.04	54	39.11	40.62	23.3	57.07	203	311	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	46.03	-22.17	68.2	49.12	37.6	18.47	59.16	100	0	P	V
5240MHz		15720	62.89	-11.11	74	56.04	40.62	23.3	57.07	205	236	P	V
		15720	51.86	-2.14	54	45.01	40.62	23.3	57.07	205	236	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5147.68	58.64	-15.36	74	47.93	34.2	11.79	35.28	100	189	P	H
		5147.16	51.6	-2.4	54	40.89	34.2	11.79	35.28	100	189	A	H
	*	5190	111.17	-	-	100.33	34.27	11.84	35.27	100	189	P	H
	*	5190	102.25	-	-	91.41	34.27	11.84	35.27	100	189	A	H
		5386.92	49.19	-24.81	74	37.87	34.53	11.96	35.17	100	189	P	H
		5351.36	42.1	-11.9	54	30.94	34.4	11.94	35.18	100	189	A	H
		5149.24	61.38	-12.62	74	50.67	34.2	11.79	35.28	255	135	P	V
		5149.76	52.42	-1.58	54	41.71	34.2	11.79	35.28	255	135	A	V
	*	5190	112.65	-	-	101.81	34.27	11.84	35.27	255	135	P	V
	*	5190	103.22	-	-	92.38	34.27	11.84	35.27	255	135	A	V
		5351.08	50.51	-23.49	74	39.35	34.4	11.94	35.18	255	135	P	V
		5350.8	43.15	-10.85	54	31.99	34.4	11.94	35.18	255	135	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	59.09	-14.91	74	48.38	34.2	11.79	35.28	100	206	P	H
		5150	50.97	-3.03	54	40.26	34.2	11.79	35.28	100	206	A	H
	*	5230	114.84	-	-	103.91	34.3	11.87	35.24	100	206	P	H
	*	5230	105.41	-	-	94.48	34.3	11.87	35.24	100	206	A	H
		5382.72	52.34	-21.66	74	41.02	34.53	11.96	35.17	100	206	P	H
		5350	45.06	-8.94	54	33.9	34.4	11.94	35.18	100	206	A	H
		5149.76	59.4	-14.6	74	48.69	34.2	11.79	35.28	264	147	P	V
		5150	52.2	-1.8	54	41.49	34.2	11.79	35.28	264	147	A	V
	*	5230	115.4	-	-	104.47	34.3	11.87	35.24	264	147	P	V
	*	5230	106.54	-	-	95.61	34.3	11.87	35.24	264	147	A	V
		5357.8	52.34	-21.66	74	41.18	34.4	11.94	35.18	264	147	P	V
		5355.28	45.13	-8.87	54	33.97	34.4	11.94	35.18	264	147	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	43.38	-24.82	68.2	46.69	37.58	18.39	59.28	100	0	P	H
		15570	46.66	-27.34	74	40.44	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	43.24	-24.96	68.2	46.55	37.58	18.39	59.28	100	0	P	V
		15570	46.75	-27.25	74	40.53	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	43.52	-24.68	68.2	46.66	37.6	18.45	59.19	100	0	P	H
		15690	47.26	-26.74	74	40.55	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	44.88	-23.32	68.2	48.02	37.6	18.45	59.19	100	0	P	V
		15690	55.82	-18.18	74	49.11	40.53	23.28	57.1	207	238	P	V
		15690	45.25	-8.75	54	38.54	40.53	23.28	57.1	207	238	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2	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 Full CH 42 5210MHz		5145.08	58.8	-15.2	74	48.09	34.2	11.79	35.28	100	205	P	H
		5150	51.42	-2.58	54	40.71	34.2	11.79	35.28	100	205	A	H
	*	5210	106.59	-	-	95.68	34.3	11.86	35.25	100	205	P	H
	*	5210	98.06	-	-	87.15	34.3	11.86	35.25	100	205	A	H
		5367.32	50.16	-23.84	74	38.92	34.47	11.95	35.18	100	205	P	H
		5350	43.19	-10.81	54	32.03	34.4	11.94	35.18	100	205	A	H
		5148.2	59.81	-14.19	74	49.1	34.2	11.79	35.28	251	147	P	V
		5147.68	52.17	-1.83	54	41.46	34.2	11.79	35.28	251	147	A	V
	*	5210	107.14	-	-	96.23	34.3	11.86	35.25	251	147	P	V
	*	5210	98.79	-	-	87.88	34.3	11.86	35.25	251	147	A	V
		5364.24	51.44	-22.56	74	40.2	34.47	11.95	35.18	251	147	P	V
		5358.08	43.4	-10.6	54	32.24	34.4	11.94	35.18	251	147	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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 Full CH 42 5210MHz		10420	43.93	-24.27	68.2	47.15	37.6	18.42	59.24	100	0	P	H
		15630	46.07	-27.93	74	39.65	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	45.1	-23.1	68.2	48.32	37.6	18.42	59.24	100	0	P	V
		15630	46.2	-27.8	74	39.78	40.33	23.24	57.15	100	0	P	V
													V
													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 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+3	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		5146.38	57.22	-16.78	74	46.51	34.2	11.79	35.28	102	184	P	H
		5149.76	50.48	-3.52	54	39.77	34.2	11.79	35.28	102	184	A	H
	*	5180	117.53	-	-	106.7	34.27	11.83	35.27	102	184	P	H
	*	5180	110.23	-	-	99.4	34.27	11.83	35.27	102	184	A	H
													H
													H
		5150	63.46	-10.54	74	52.75	34.2	11.79	35.28	291	159	P	V
		5149.5	52.45	-1.55	54	41.74	34.2	11.79	35.28	291	159	A	V
	*	5180	116.51	-	-	105.68	34.27	11.83	35.27	291	159	P	V
	*	5180	109.63	-	-	98.8	34.27	11.83	35.27	291	159	A	V
													V
													V
802.11a CH 44 5220MHz		5149.24	58.25	-15.75	74	47.54	34.2	11.79	35.28	108	209	P	H
		5149.5	44.73	-9.27	54	34.02	34.2	11.79	35.28	108	209	A	H
	*	5220	118.13	-	-	107.22	34.3	11.86	35.25	108	209	P	H
	*	5220	110.92	-	-	100.01	34.3	11.86	35.25	108	209	A	H
		5372.64	50.65	-23.35	74	39.41	34.47	11.95	35.18	108	209	P	H
		5359.2	42.67	-11.33	54	31.5	34.4	11.95	35.18	108	209	A	H
		5108.68	52.43	-21.57	74	41.79	34.2	11.74	35.3	282	165	P	V
		5147.16	44.76	-9.24	54	34.05	34.2	11.79	35.28	282	165	A	V
	*	5220	118.78	-	-	107.87	34.3	11.86	35.25	282	165	P	V
	*	5220	111.51	-	-	100.6	34.3	11.86	35.25	282	165	A	V
		5369.56	50.34	-23.66	74	39.1	34.47	11.95	35.18	282	165	P	V
		5354.16	42.61	-11.39	54	31.45	34.4	11.94	35.18	282	165	A	V

802.11a CH 48 5240MHz		5120.64	51.85	-22.15	74	41.18	34.2	11.76	35.29	100	215	P	H
		5149.76	44.33	-9.67	54	33.62	34.2	11.79	35.28	100	215	A	H
	*	5240	118.03	-	-	107.1	34.3	11.87	35.24	100	215	P	H
	*	5240	111.13	-	-	100.2	34.3	11.87	35.24	100	215	A	H
		5382.44	50.19	-23.81	74	38.87	34.53	11.96	35.17	100	215	P	H
		5351.08	43.41	-10.59	54	32.25	34.4	11.94	35.18	100	215	A	H
		5104.26	53.69	-20.31	74	43.05	34.2	11.74	35.3	265	159	P	V
		5149.5	44.62	-9.38	54	33.91	34.2	11.79	35.28	265	159	A	V
	*	5240	119.37	-	-	108.44	34.3	11.87	35.24	265	159	P	V
	*	5240	112.23	-	-	101.3	34.3	11.87	35.24	265	159	A	V
		5356.68	50.89	-23.11	74	39.73	34.4	11.94	35.18	265	159	P	V
		5351.08	43.6	-10.4	54	32.44	34.4	11.94	35.18	265	159	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. 1+2+3	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	44.2	-24	68.2	47.57	37.57	18.37	59.31	100	0	P	H
		15540	46.36	-27.64	74	40.16	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	45.14	-23.06	68.2	48.51	37.57	18.37	59.31	100	0	P	V
		15540	49.58	-24.42	74	43.38	40.27	23.16	57.23	100	0	P	V
													V
													V
													V
													V
802.11a CH 44 5220MHz		10440	44.43	-23.77	68.2	47.6	37.6	18.44	59.21	100	0	P	H
		15660	54.67	-19.33	74	48.13	40.4	23.26	57.12	100	131	P	H
		15660	45.69	-8.31	54	39.15	40.4	23.26	57.12	100	131	A	H
													H
													H
													H
		10440	48.51	-19.69	68.2	51.68	37.6	18.44	59.21	100	0	P	V
		15660	62.44	-11.56	74	55.9	40.4	23.26	57.12	100	242	P	V
		15660	52.07	-1.93	54	45.53	40.4	23.26	57.12	100	242	A	V
													V
													V
													V

802.11a CH 48 5240MHz		10480	45.95	-22.25	68.2	49.04	37.6	18.47	59.16	100	0	P	H
		15720	53.22	-20.78	74	46.37	40.62	23.3	57.07	100	132	P	H
		15720	44.45	-9.55	54	37.6	40.62	23.3	57.07	100	132	A	H
													H
													H
													H
		10480	46.92	-21.28	68.2	50.01	37.6	18.47	59.16	100	0	P	V
		15720	62.25	-11.75	74	55.4	40.62	23.3	57.07	100	241	P	V
		15720	51.25	-2.75	54	44.4	40.62	23.3	57.07	100	241	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5145.34	61.4	-12.6	74	50.69	34.2	11.79	35.28	100	184	P	H
		5150	51.16	-2.84	54	40.45	34.2	11.79	35.28	100	184	A	H
	*	5180	115.92	-	-	105.09	34.27	11.83	35.27	100	184	P	H
	*	5180	107.79	-	-	96.96	34.27	11.83	35.27	100	184	A	H
													H
													H
		5145.08	61.56	-12.44	74	50.85	34.2	11.79	35.28	271	159	P	V
		5150	52.16	-1.84	54	41.45	34.2	11.79	35.28	271	159	A	V
	*	5180	116.34	-	-	105.51	34.27	11.83	35.27	271	159	P	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5150	54.48	-19.52	74	43.77	34.2	11.79	35.28	108	209	P	H
		5150	45.53	-8.47	54	34.82	34.2	11.79	35.28	108	209	A	H
	*	5220	117.68	-	-	106.77	34.3	11.86	35.25	108	209	P	H
	*	5220	109.61	-	-	98.7	34.3	11.86	35.25	108	209	A	H
		5359.76	50.53	-23.47	74	39.36	34.4	11.95	35.18	108	209	P	H
		5372.64	42.59	-11.41	54	31.35	34.47	11.95	35.18	108	209	A	H
		5145.86	56.24	-17.76	74	45.53	34.2	11.79	35.28	282	165	P	V
		5150	45.66	-8.34	54	34.95	34.2	11.79	35.28	282	165	A	V
	*	5220	117.81	-	-	106.9	34.3	11.86	35.25	282	165	P	V
	*	5220	110.71	-	-	99.8	34.3	11.86	35.25	282	165	A	V
		5350.24	50.44	-23.56	74	39.28	34.4	11.94	35.18	282	165	P	V
		5355	42.68	-11.32	54	31.52	34.4	11.94	35.18	282	165	A	V

802.11ax HE20 Full CH 48 5240MHz		5115.44	53.82	-20.18	74	43.17	34.2	11.75	35.3	100	215	P	H
		5149.5	44.76	-9.24	54	34.05	34.2	11.79	35.28	100	215	A	H
	*	5240	118.23	-	-	107.3	34.3	11.87	35.24	100	215	P	H
	*	5240	110.12	-	-	99.19	34.3	11.87	35.24	100	215	A	H
		5371.24	50.85	-23.15	74	39.61	34.47	11.95	35.18	100	215	P	H
		5350.24	43.18	-10.82	54	32.02	34.4	11.94	35.18	100	215	A	H
		5119.6	53.65	-20.35	74	42.98	34.2	11.76	35.29	265	159	P	V
		5150	44.86	-9.14	54	34.15	34.2	11.79	35.28	265	159	A	V
	*	5240	119.11	-	-	108.18	34.3	11.87	35.24	265	159	P	V
	*	5240	111.33	-	-	100.4	34.3	11.87	35.24	265	159	A	V
		5378.24	51.29	-22.71	74	39.97	34.53	11.96	35.17	265	159	P	V
		5354.72	43.52	-10.48	54	32.36	34.4	11.94	35.18	265	159	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	43.99	-24.21	68.2	47.36	37.57	18.37	59.31	100	0	P	H
		15540	45.72	-28.28	74	39.52	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.23	-23.97	68.2	47.6	37.57	18.37	59.31	100	0	P	V
		15540	49.65	-24.35	74	43.45	40.27	23.16	57.23	100	0	P	V
													V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	45.31	-22.89	68.2	48.48	37.6	18.44	59.21	100	0	P	H
		15660	53.62	-20.38	74	47.08	40.4	23.26	57.12	100	131	P	H
		15660	45.44	-8.56	54	38.9	40.4	23.26	57.12	100	131	A	H
													H
													H
													H
		10440	45.11	-23.09	68.2	48.28	37.6	18.44	59.21	100	0	P	V
		15660	61.44	-12.56	74	54.9	40.4	23.26	57.12	203	241	P	V
		15660	52.23	-1.77	54	45.69	40.4	23.26	57.12	203	241	A	V
													V
													V
													V

		10480	44.8	-23.4	68.2	47.89	37.6	18.47	59.16	100	0	P	H
		15720	54.5	-19.5	74	47.65	40.62	23.3	57.07	100	131	P	H
		15720	44.1	-9.9	54	37.25	40.62	23.3	57.07	100	131	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	45.31	-22.89	68.2	48.4	37.6	18.47	59.16	100	0	P	V
5240MHz		15720	60.79	-13.21	74	53.94	40.62	23.3	57.07	100	241	P	V
		15720	51.05	-2.95	54	44.2	40.62	23.3	57.07	100	241	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.72	60.51	-13.49	74	49.8	34.2	11.79	35.28	100	210	P	H
		5149.5	51.78	-2.22	54	41.07	34.2	11.79	35.28	100	210	A	H
	*	5190	114.58	-	-	103.74	34.27	11.84	35.27	100	210	P	H
	*	5190	104.44	-	-	93.6	34.27	11.84	35.27	100	210	A	H
		5352.2	50.68	-23.32	74	39.52	34.4	11.94	35.18	100	210	P	H
		5356.12	42.87	-11.13	54	31.71	34.4	11.94	35.18	100	210	A	H
		5150	60.65	-13.35	74	49.94	34.2	11.79	35.28	296	161	P	V
		5149.76	51.97	-2.03	54	41.26	34.2	11.79	35.28	296	161	A	V
	*	5190	115.01	-	-	104.17	34.27	11.84	35.27	296	161	P	V
	*	5190	105.14	-	-	94.3	34.27	11.84	35.27	296	161	A	V
		5356.68	51.61	-22.39	74	40.45	34.4	11.94	35.18	296	161	P	V
		5372.36	42.62	-11.38	54	31.38	34.47	11.95	35.18	296	161	A	V
802.11ax HE40 Full CH 46 5230MHz		5147.16	60.14	-13.86	74	49.43	34.2	11.79	35.28	106	207	P	H
		5150	51.08	-2.92	54	40.37	34.2	11.79	35.28	106	207	A	H
	*	5230	115.83	-	-	104.9	34.3	11.87	35.24	106	207	P	H
	*	5230	107.44	-	-	96.51	34.3	11.87	35.24	106	207	A	H
		5350.8	52.23	-21.77	74	41.07	34.4	11.94	35.18	106	207	P	H
		5350	44.69	-9.31	54	33.53	34.4	11.94	35.18	106	207	A	H
		5148.98	59.26	-14.74	74	48.55	34.2	11.79	35.28	281	157	P	V
		5149.24	51.07	-2.93	54	40.36	34.2	11.79	35.28	281	157	A	V
	*	5230	117.23	-	-	106.3	34.3	11.87	35.24	281	157	P	V
	*	5230	108.52	-	-	97.59	34.3	11.87	35.24	281	157	A	V
		5376	52.66	-21.34	74	41.4	34.47	11.96	35.17	281	157	P	V
		5350.8	45.28	-8.72	54	34.12	34.4	11.94	35.18	281	157	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	43.21	-24.99	68.2	46.52	37.58	18.39	59.28	100	0	P	H
		15570	46.57	-27.43	74	40.35	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	43.7	-24.5	68.2	47.01	37.58	18.39	59.28	100	0	P	V
		15570	48.4	-25.6	74	42.18	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	45.01	-23.19	68.2	48.15	37.6	18.45	59.19	100	0	P	H
		15690	47.64	-26.36	74	40.93	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	44.89	-23.31	68.2	48.03	37.6	18.45	59.19	100	0	P	V
		15690	54.2	-19.8	74	47.49	40.53	23.28	57.1	100	241	P	V
		15690	43.62	-10.38	54	36.91	40.53	23.28	57.1	100	241	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 Full CH 42 5210MHz		5145.08	57.56	-16.44	74	46.85	34.2	11.79	35.28	100	208	P	H
		5150	50.83	-3.17	54	40.12	34.2	11.79	35.28	100	208	A	H
	*	5210	107.35	-	-	96.44	34.3	11.86	35.25	100	208	P	H
	*	5210	99.33	-	-	88.42	34.3	11.86	35.25	100	208	A	H
		5365.36	50.8	-23.2	74	39.56	34.47	11.95	35.18	100	208	P	H
		5350.52	43.51	-10.49	54	32.35	34.4	11.94	35.18	100	208	A	H
		5145.08	58.17	-15.83	74	47.46	34.2	11.79	35.28	254	156	P	V
		5150	51.32	-2.68	54	40.61	34.2	11.79	35.28	254	156	A	V
	*	5210	109.49	-	-	98.58	34.3	11.86	35.25	254	156	P	V
	*	5210	100.29	-	-	89.38	34.3	11.86	35.25	254	156	A	V
		5404.28	50.22	-23.78	74	38.8	34.6	11.98	35.16	254	156	P	V
		5350.24	43.16	-10.84	54	32	34.4	11.94	35.18	254	156	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	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 Full CH 42 5210MHz		10420	44.16	-24.04	68.2	47.38	37.6	18.42	59.24	100	0	P	H
		15630	46.78	-27.22	74	40.36	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	44.35	-23.85	68.2	47.57	37.6	18.42	59.24	100	0	P	V
		15630	47.57	-26.43	74	41.15	40.33	23.24	57.15	100	0	P	V
													V
													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 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	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		5146.64	60.5	-13.5	74	49.79	34.2	11.79	35.28	100	188	P	H
		5147.16	52.95	-1.05	54	42.24	34.2	11.79	35.28	100	188	A	H
	*	5180	118.24	-	-	107.41	34.27	11.83	35.27	100	188	P	H
	*	5180	111.44	-	-	100.61	34.27	11.83	35.27	100	188	A	H
													H
													H
		5149.76	64.3	-9.7	74	53.59	34.2	11.79	35.28	100	330	P	V
		5150	51.5	-2.5	54	40.79	34.2	11.79	35.28	100	330	A	V
	*	5180	119.18	-	-	108.35	34.27	11.83	35.27	100	330	P	V
	*	5180	112.18	-	-	101.35	34.27	11.83	35.27	100	330	A	V
													V
													V
802.11a CH 44 5220MHz		5146.12	51.93	-22.07	74	41.22	34.2	11.79	35.28	100	243	P	H
		5143	44.34	-9.66	54	33.65	34.2	11.78	35.29	100	243	A	H
	*	5220	120.49	-	-	109.58	34.3	11.86	35.25	100	243	P	H
	*	5220	113.73	-	-	102.82	34.3	11.86	35.25	100	243	A	H
		5355.56	50.54	-23.46	74	39.38	34.4	11.94	35.18	100	243	P	H
		5377.12	43.16	-10.84	54	31.9	34.47	11.96	35.17	100	243	A	H
		5139.1	53.37	-20.63	74	42.68	34.2	11.78	35.29	300	156	P	V
		5139.36	45.28	-8.72	54	34.59	34.2	11.78	35.29	300	156	A	V
	*	5220	120.06	-	-	109.15	34.3	11.86	35.25	300	156	P	V
	*	5220	112.88	-	-	101.97	34.3	11.86	35.25	300	156	A	V
		5365.08	50.35	-23.65	74	39.11	34.47	11.95	35.18	300	156	P	V
		5350	43.67	-10.33	54	32.51	34.4	11.94	35.18	300	156	A	V

802.11a CH 48 5240MHz		5147.94	52.86	-21.14	74	42.15	34.2	11.79	35.28	100	218	P	H
		5148.98	44.9	-9.1	54	34.19	34.2	11.79	35.28	100	218	A	H
	*	5240	120.31	-	-	109.38	34.3	11.87	35.24	100	218	P	H
	*	5240	113.07	-	-	102.14	34.3	11.87	35.24	100	218	A	H
		5353.88	51.01	-22.99	74	39.85	34.4	11.94	35.18	100	218	P	H
		5350.8	44.17	-9.83	54	33.01	34.4	11.94	35.18	100	218	A	H
		5148.72	53.2	-20.8	74	42.49	34.2	11.79	35.28	300	154	P	V
		5149.76	44.77	-9.23	54	34.06	34.2	11.79	35.28	300	154	A	V
	*	5240	120.26	-	-	109.33	34.3	11.87	35.24	300	154	P	V
	*	5240	113.23	-	-	102.3	34.3	11.87	35.24	300	154	A	V
		5362	50.88	-23.12	74	39.64	34.47	11.95	35.18	300	154	P	V
		5350.8	44.26	-9.74	54	33.1	34.4	11.94	35.18	300	154	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. 1+2+3+4	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	43.91	-24.29	68.2	47.28	37.57	18.37	59.31	100	0	P	H
		15540	46.62	-27.38	74	40.42	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.63	-23.57	68.2	48	37.57	18.37	59.31	100	0	P	V
		15540	55.56	-18.44	74	49.36	40.27	23.16	57.23	206	248	P	V
		15540	44.3	-9.7	54	38.1	40.27	23.16	57.23	206	248	A	V
													V
													V
													V
802.11a CH 44 5220MHz		10440	47.66	-20.54	68.2	50.83	37.6	18.44	59.21	100	0	P	H
		15660	58.04	-15.96	74	51.5	40.4	23.26	57.12	200	270	P	H
		15660	45.2	-8.8	54	38.66	40.4	23.26	57.12	200	270	A	H
													H
													H
													H
		10440	43.94	-24.26	68.2	47.11	37.6	18.44	59.21	100	0	P	V
		15660	62.91	-11.09	74	56.37	40.4	23.26	57.12	205	250	P	V
		15660	51.32	-2.68	54	44.78	40.4	23.26	57.12	205	250	A	V
													V
													V
													V

802.11a CH 48 5240MHz		10480	45.47	-22.73	68.2	48.56	37.6	18.47	59.16	100	0	P	H
		15720	57.83	-16.17	74	50.98	40.62	23.3	57.07	200	270	P	H
		15720	46.07	-7.93	54	39.22	40.62	23.3	57.07	200	270	A	H
													H
													H
													H
		10480	44.22	-23.98	68.2	47.31	37.6	18.47	59.16	100	0	P	V
		15720	60.07	-13.93	74	53.22	40.62	23.3	57.07	200	252	P	V
		15720	50.63	-3.37	54	43.78	40.62	23.3	57.07	200	252	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5146.38	63.21	-10.79	74	52.5	34.2	11.79	35.28	100	248	P	H
		5147.16	52.92	-1.08	54	42.21	34.2	11.79	35.28	100	248	A	H
	*	5180	116.22	-	-	105.39	34.27	11.83	35.27	100	248	P	H
	*	5180	108.53	-	-	97.7	34.27	11.83	35.27	100	248	A	H
													H
													H
		5144.56	61.83	-12.17	74	51.12	34.2	11.79	35.28	100	326	P	V
		5147.42	52.93	-1.07	54	42.22	34.2	11.79	35.28	100	326	P	V
	*	5180	117.63	-	-	106.8	34.27	11.83	35.27	100	326	P	V
	*	5180	110.02	-	-	99.19	34.27	11.83	35.27	100	326	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5137.02	53.87	-20.13	74	43.18	34.2	11.78	35.29	100	204	P	H
		5147.68	46.15	-7.85	54	35.44	34.2	11.79	35.28	100	204	A	H
	*	5220	119.5	-	-	108.59	34.3	11.86	35.25	100	204	P	H
	*	5220	111.44	-	-	100.53	34.3	11.86	35.25	100	204	A	H
		5371.8	50.42	-23.58	74	39.18	34.47	11.95	35.18	100	204	P	H
		5350	43.3	-10.7	54	32.14	34.4	11.94	35.18	100	204	A	H
		5146.38	52.97	-21.03	74	42.26	34.2	11.79	35.28	100	321	P	V
		5146.12	45.24	-8.76	54	34.53	34.2	11.79	35.28	100	321	A	V
	*	5220	119.73	-	-	108.82	34.3	11.86	35.25	100	321	P	V
	*	5220	111.68	-	-	100.77	34.3	11.86	35.25	100	321	A	V
		5353.6	50.76	-23.24	74	39.6	34.4	11.94	35.18	100	321	P	V
		5350.52	42.96	-11.04	54	31.8	34.4	11.94	35.18	100	321	A	V

802.11ax HE20 Full CH 48 5240MHz		5145.34	53.14	-20.86	74	42.43	34.2	11.79	35.28	100	207	P	H
		5149.76	44.64	-9.36	54	33.93	34.2	11.79	35.28	100	207	A	H
	*	5240	119.29	-	-	108.36	34.3	11.87	35.24	100	207	P	H
	*	5240	111.48	-	-	100.55	34.3	11.87	35.24	100	207	A	H
		5355.28	51.06	-22.94	74	39.9	34.4	11.94	35.18	100	207	P	H
		5350.52	43.7	-10.3	54	32.54	34.4	11.94	35.18	100	207	A	H
		5127.66	51.58	-22.42	74	40.9	34.2	11.77	35.29	100	322	P	V
		5148.98	44.06	-9.94	54	33.35	34.2	11.79	35.28	100	322	A	V
	*	5240	118.68	-	-	107.75	34.3	11.87	35.24	100	322	P	V
	*	5240	111.13	-	-	100.2	34.3	11.87	35.24	100	322	A	V
		5355.56	50.86	-23.14	74	39.7	34.4	11.94	35.18	100	322	P	V
		5351.64	43.64	-10.36	54	32.48	34.4	11.94	35.18	100	322	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	44.69	-23.51	68.2	47.78	37.57	18.37	59.03	100	0	P	H
		15540	48.1	-25.9	74	41.44	40.27	23.16	56.77	100	0	P	H
													H
													H
													H
													H
		10360	45.7	-22.5	68.2	48.79	37.57	18.37	59.03	100	0	P	V
		15540	54.94	-19.06	74	48.28	40.27	23.16	56.77	205	239	P	V
		15540	45.06	-8.94	54	38.4	40.27	23.16	56.77	205	239	A	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	44.99	-23.21	68.2	47.92	37.6	18.44	58.97	100	0	P	H
		15660	57.71	-16.29	74	50.8	40.4	23.26	56.75	257	260	P	H
		15660	45.77	-8.23	54	38.86	40.4	23.26	56.75	257	260	A	H
													H
													H
													H
		10440	47.06	-21.14	68.2	49.99	37.6	18.44	58.97	100	0	P	V
		15660	61.92	-12.08	74	55.01	40.4	23.26	56.75	201	239	P	V
		15660	51.59	-2.41	54	44.68	40.4	23.26	56.75	201	239	A	V
													V
													V
													V

		10480	44.75	-23.45	68.2	47.62	37.6	18.47	58.94	100	0	P	H
		15720	59.15	-14.85	74	51.97	40.62	23.3	56.74	279	263	P	H
		15720	46.69	-7.31	54	39.51	40.62	23.3	56.74	279	263	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	45.7	-22.5	68.2	48.57	37.6	18.47	58.94	100	0	P	V
5240MHz		15720	62.56	-11.44	74	55.38	40.62	23.3	56.74	205	247	P	V
		15720	51.11	-2.89	54	43.93	40.62	23.3	56.74	205	247	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5150	60.27	-13.73	74	49.56	34.2	11.79	35.28	100	211	P	H
		5149.24	51.31	-2.69	54	40.6	34.2	11.79	35.28	100	211	A	H
	*	5190	112.91	-	-	102.07	34.27	11.84	35.27	100	211	P	H
	*	5190	104.41	-	-	93.57	34.27	11.84	35.27	100	211	A	H
		5353.04	50.08	-23.92	74	38.92	34.4	11.94	35.18	100	211	P	H
		5350.52	43.09	-10.91	54	31.93	34.4	11.94	35.18	100	211	A	H
		5149.24	60.36	-13.64	74	49.65	34.2	11.79	35.28	100	331	P	V
		5147.42	52.31	-1.69	54	41.6	34.2	11.79	35.28	100	331	A	V
	*	5190	111.82	-	-	100.98	34.27	11.84	35.27	100	331	P	V
	*	5190	104.1	-	-	93.26	34.27	11.84	35.27	100	331	A	V
		5369.84	50.02	-23.98	74	38.78	34.47	11.95	35.18	100	331	P	V
		5354.72	43.04	-10.96	54	31.88	34.4	11.94	35.18	100	331	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	59.71	-14.29	74	49	34.2	11.79	35.28	100	211	P	H
		5149.76	51.54	-2.46	54	40.83	34.2	11.79	35.28	100	211	A	H
	*	5230	117.28	-	-	106.35	34.3	11.87	35.24	100	211	P	H
	*	5230	108	-	-	97.07	34.3	11.87	35.24	100	211	A	H
		5351.36	53.04	-20.96	74	41.88	34.4	11.94	35.18	100	211	P	H
		5350	45.64	-8.36	54	34.48	34.4	11.94	35.18	100	211	A	H
		5148.46	58.92	-15.08	74	48.21	34.2	11.79	35.28	100	328	P	V
		5148.72	50.81	-3.19	54	40.1	34.2	11.79	35.28	100	328	A	V
	*	5230	116.16	-	-	105.23	34.3	11.87	35.24	100	328	P	V
	*	5230	108.4	-	-	97.47	34.3	11.87	35.24	100	328	A	V
		5375.72	52.65	-21.35	74	41.39	34.47	11.96	35.17	100	328	P	V
		5351.64	44.76	-9.24	54	33.6	34.4	11.94	35.18	100	328	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	43.98	-24.22	68.2	47.29	37.58	18.39	59.28	100	0	P	H
		15570	46.87	-27.13	74	40.65	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	44.09	-24.11	68.2	47.4	37.58	18.39	59.28	100	0	P	V
		15570	46.85	-27.15	74	40.63	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	44.54	-23.66	68.2	47.68	37.6	18.45	59.19	100	0	P	H
		15690	47.73	-26.27	74	41.02	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	45.04	-23.16	68.2	48.18	37.6	18.45	59.19	100	0	P	V
		15690	55.05	-18.95	74	48.34	40.53	23.28	57.1	200	251	P	V
		15690	44.9	-9.1	54	38.19	40.53	23.28	57.1	200	251	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	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 Full CH 42 5210MHz		5144.82	59.8	-14.2	74	49.09	34.2	11.79	35.28	107	207	P	H
		5144.82	52.49	-1.51	54	41.78	34.2	11.79	35.28	107	207	A	H
	*	5210	108.55	-	-	97.64	34.3	11.86	35.25	107	207	P	H
	*	5210	100.42	-	-	89.51	34.3	11.86	35.25	107	207	A	H
		5362.28	50.39	-23.61	74	39.15	34.47	11.95	35.18	107	207	P	H
		5354.16	43.56	-10.44	54	32.4	34.4	11.94	35.18	107	207	A	H
		5142.48	60.88	-13.12	74	50.19	34.2	11.78	35.29	100	321	P	V
		5147.94	52.58	-1.42	54	41.87	34.2	11.79	35.28	100	321	A	V
	*	5210	108.67	-	-	97.76	34.3	11.86	35.25	100	321	P	V
	*	5210	101.24	-	-	90.33	34.3	11.86	35.25	100	321	A	V
		5358.64	52.28	-21.72	74	41.11	34.4	11.95	35.18	100	321	P	V
		5358.08	44.05	-9.95	54	32.89	34.4	11.94	35.18	100	321	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	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 Full CH 42 5210MHz		10420	45.02	-23.18	68.2	47.99	37.6	18.42	58.99	100	0	P	H
		15630	46.96	-27.04	74	40.15	40.33	23.24	56.76	100	0	P	H
													H
													H
													H
													H
		10420	44.36	-23.84	68.2	47.33	37.6	18.42	58.99	100	0	P	V
		15630	49.09	-24.91	74	42.28	40.33	23.24	56.76	100	0	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant. 1+2+3+4	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 LF		57.81	26.6	-13.4	40	43.36	11.89	1.36	30.01	-	-	P	H
		150.69	22.51	-20.99	43.5	33.18	17.25	2.06	29.98	-	-	P	H
		265.71	21.7	-24.3	46	29.47	19.55	2.66	29.98	-	-	P	H
		846.7	30.77	-15.23	46	26.82	28.62	4.6	29.27	-	-	P	H
		867.7	31.57	-14.43	46	27.18	28.89	4.63	29.13	-	-	P	H
		948.2	32.86	-13.14	46	26.6	30.12	4.86	28.72	100	0	P	H
													H
													H
													H
													H
													H
													H
		30.27	32.7	-7.3	40	37.5	24.32	0.91	30.03	100	0	P	V
		58.08	30.26	-9.74	40	47.02	11.89	1.36	30.01	-	-	P	V
		85.89	27.85	-12.15	40	42.23	14.03	1.59	30	-	-	P	V
		876.1	31.42	-14.58	46	27.01	28.84	4.64	29.07	-	-	P	V
		920.9	31.61	-14.39	46	26.58	29.11	4.75	28.83	-	-	P	V
		947.5	32.91	-13.09	46	26.72	30.05	4.86	28.72	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<EUT with RJ-45 Cable>

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	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2+3+4		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.46	64.71	-9.29	74	54	34.2	11.79	35.28	103	179	P	H
		5147.16	51.69	-2.31	54	40.98	34.2	11.79	35.28	103	179	A	H
	*	5180	118.4	-	-	107.57	34.27	11.83	35.27	103	179	P	H
	*	5180	111.46	-	-	100.63	34.27	11.83	35.27	103	179	A	H
													H
													H
		5147.94	58.29	-15.71	74	47.58	34.2	11.79	35.28	100	322	P	V
		5147.94	51.06	-2.94	54	40.35	34.2	11.79	35.28	100	322	A	V
	*	5180	118.81	-	-	107.98	34.27	11.83	35.27	100	322	P	V
	*	5180	111.68	-	-	100.85	34.27	11.83	35.27	100	322	A	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 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	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	42.93	-25.27	68.2	46.3	37.57	18.37	59.31	100	0	P	H
		15540	46.53	-27.47	74	40.33	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	43.29	-24.91	68.2	46.66	37.57	18.37	59.31	100	0	P	V
		15540	56.48	-17.52	74	50.28	40.27	23.16	57.23	100	242	P	V
		15540	42.28	-11.72	54	36.08	40.27	23.16	57.23	100	242	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5146.12	57.41	-16.59	74	46.7	34.2	11.79	35.28	313	193	P	H
		5150	49.37	-4.63	54	38.66	34.2	11.79	35.28	313	193	A	H
	*	5180	115.13	-	-	104.3	34.27	11.83	35.27	313	193	P	H
	*	5180	106.13	-	-	95.3	34.27	11.83	35.27	313	193	A	H
													H
													H
		5148.98	57.89	-16.11	74	47.18	34.2	11.79	35.28	249	163	P	V
		5150	50.23	-3.77	54	39.52	34.2	11.79	35.28	249	163	A	V
	*	5180	116.17	-	-	105.34	34.27	11.83	35.27	249	163	P	V
	*	5180	108.13	-	-	97.3	34.27	11.83	35.27	249	163	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5149.5	53.65	-20.35	74	42.94	34.2	11.79	35.28	328	202	P	H
		5149.76	44.29	-9.71	54	33.58	34.2	11.79	35.28	328	202	A	H
	*	5220	115.5	-	-	104.59	34.3	11.86	35.25	328	202	P	H
	*	5220	106.96	-	-	96.05	34.3	11.86	35.25	328	202	A	H
		5369.56	51.3	-22.7	74	40.06	34.47	11.95	35.18	328	202	P	H
		5350.24	42.9	-11.1	54	31.74	34.4	11.94	35.18	328	202	A	H
		5134.16	53.69	-20.31	74	43.01	34.2	11.77	35.29	248	162	P	V
		5148.72	45.18	-8.82	54	34.47	34.2	11.79	35.28	248	162	A	V
	*	5220	117.58	-	-	106.67	34.3	11.86	35.25	248	162	P	V
	*	5220	108.71	-	-	97.8	34.3	11.86	35.25	248	162	A	V
		5354.72	51.16	-22.84	74	40	34.4	11.94	35.18	248	162	P	V
		5351.36	42.93	-11.07	54	31.77	34.4	11.94	35.18	248	162	A	V

802.11ax HE20 Full CH 48 5240MHz		5119.34	53.94	-20.06	74	43.27	34.2	11.76	35.29	327	209	P	H
		5134.42	43.74	-10.26	54	33.06	34.2	11.77	35.29	327	209	A	H
	*	5240	116.11	-	-	105.18	34.3	11.87	35.24	327	209	P	H
	*	5240	108.04	-	-	97.11	34.3	11.87	35.24	327	209	A	H
		5353.88	53.63	-20.37	74	42.47	34.4	11.94	35.18	327	209	P	H
		5350.8	43.27	-10.73	54	32.11	34.4	11.94	35.18	327	209	A	H
		5119.6	54.44	-19.56	74	43.77	34.2	11.76	35.29	262	158	P	V
		5131.82	44.85	-9.15	54	34.17	34.2	11.77	35.29	262	158	A	V
	*	5240	117.71	-	-	106.78	34.3	11.87	35.24	262	158	P	V
	*	5240	109.98	-	-	99.05	34.3	11.87	35.24	262	158	A	V
		5355.28	52.05	-21.95	74	40.89	34.4	11.94	35.18	262	158	P	V
		5350	44.41	-9.59	54	33.25	34.4	11.94	35.18	262	158	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	44.61	-23.59	68.2	47.98	37.57	18.37	59.31	100	0	P	H
		15540	47.88	-26.12	74	41.68	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.13	-24.07	68.2	47.5	37.57	18.37	59.31	100	0	P	V
		15540	52.53	-21.47	74	46.33	40.27	23.16	57.23	200	244	P	V
		15540	43.39	-10.61	54	37.19	40.27	23.16	57.23	200	244	A	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	44.29	-23.91	68.2	47.46	37.6	18.44	59.21	100	0	P	H
		15660	52.97	-21.03	74	46.43	40.4	23.26	57.12	200	319	P	H
													H
													H
													H
													H
		10440	44.69	-23.51	68.2	47.86	37.6	18.44	59.21	100	0	P	V
		15660	61.34	-12.66	74	54.8	40.4	23.26	57.12	200	253	P	V
		15660	50.83	-3.17	54	44.29	40.4	23.26	57.12	200	253	A	V
													V
													V
													V

802.11ax HE20 Full CH 48 5240MHz		10480	45.4	-22.8	68.2	48.49	37.6	18.47	59.16	100	0	P	H
		15720	54.93	-19.07	74	48.08	40.62	23.3	57.07	200	320	P	H
		15720	44.57	-9.43	54	37.72	40.62	23.3	57.07	200	320	A	H
													H
													H
													H
		10480	43.47	-24.73	68.2	46.56	37.6	18.47	59.16	100	0	P	V
		15720	61.16	-12.84	74	54.31	40.62	23.3	57.07	200	252	P	V
		15720	50.69	-3.31	54	43.84	40.62	23.3	57.07	200	252	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5147.94	61.06	-12.94	74	50.35	34.2	11.79	35.28	100	181	P	H
		5150	51.13	-2.87	54	40.42	34.2	11.79	35.28	100	181	A	H
	*	5190	111.29	-	-	100.45	34.27	11.84	35.27	100	181	P	H
	*	5190	101.3	-	-	90.46	34.27	11.84	35.27	100	181	A	H
		5388.32	49.35	-24.65	74	38.03	34.53	11.96	35.17	100	181	P	H
		5350.24	41.61	-12.39	54	30.45	34.4	11.94	35.18	100	181	A	H
		5148.98	62.93	-11.07	74	52.22	34.2	11.79	35.28	391	166	P	V
		5150	51.45	-2.55	54	40.74	34.2	11.79	35.28	391	166	A	V
	*	5190	111.91	-	-	101.07	34.27	11.84	35.27	391	166	P	V
	*	5190	102.15	-	-	91.31	34.27	11.84	35.27	391	166	A	V
		5373.2	49.95	-24.05	74	38.71	34.47	11.95	35.18	391	166	P	V
		5350	42.16	-11.84	54	31	34.4	11.94	35.18	391	166	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	57.68	-16.32	74	46.97	34.2	11.79	35.28	100	150	P	H
		5150	48.36	-5.64	54	37.65	34.2	11.79	35.28	100	150	A	H
	*	5230	112.71	-	-	101.78	34.3	11.87	35.24	100	150	P	H
	*	5230	106.98	-	-	96.05	34.3	11.87	35.24	100	150	A	H
		5356.4	50.1	-23.9	74	38.94	34.4	11.94	35.18	100	150	P	H
		5350.52	42.7	-11.3	54	31.54	34.4	11.94	35.18	100	150	A	H
		5148.72	58.81	-15.19	74	48.1	34.2	11.79	35.28	368	146	P	V
		5150	50.24	-3.76	54	39.53	34.2	11.79	35.28	368	146	A	V
	*	5230	113.91	-	-	102.98	34.3	11.87	35.24	368	146	P	V
	*	5230	105.29	-	-	94.36	34.3	11.87	35.24	368	146	A	V
		5377.96	52.11	-21.89	74	40.79	34.53	11.96	35.17	368	146	P	V
		5350.24	44.17	-9.83	54	33.01	34.4	11.94	35.18	368	146	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	44.06	-24.14	68.2	47.37	37.58	18.39	59.28	100	0	P	H
		15570	47.32	-26.68	74	41.1	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	44.22	-23.98	68.2	47.53	37.58	18.39	59.28	100	0	P	V
		15570	49.04	-24.96	74	42.82	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	45.44	-22.76	68.2	48.58	37.6	18.45	59.19	100	0	P	H
		15690	49.97	-24.03	74	43.26	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	44.68	-23.52	68.2	47.82	37.6	18.45	59.19	100	0	P	V
		15690	57.87	-16.13	74	51.16	40.53	23.28	57.1	200	255	P	V
		15690	48.62	-5.38	54	41.91	40.53	23.28	57.1	200	255	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2	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 Full CH 42 5210MHz		5145.86	59.21	-14.79	74	48.5	34.2	11.79	35.28	100	202	P	H
		5149.5	51.41	-2.59	54	40.7	34.2	11.79	35.28	100	202	A	H
	*	5210	105.25	-	-	94.34	34.3	11.86	35.25	100	202	P	H
	*	5210	98.03	-	-	87.12	34.3	11.86	35.25	100	202	A	H
		5354.16	51.27	-22.73	74	40.11	34.4	11.94	35.18	100	202	P	H
		5350.24	42.88	-11.12	54	31.72	34.4	11.94	35.18	100	202	A	H
		5138.84	60.84	-13.16	74	50.15	34.2	11.78	35.29	271	152	P	V
		5149.76	52.9	-1.1	54	42.19	34.2	11.79	35.28	271	152	A	V
	*	5210	106.6	-	-	95.69	34.3	11.86	35.25	271	152	P	V
	*	5210	99.58	-	-	88.67	34.3	11.86	35.25	271	152	A	V
		5373.2	51.51	-22.49	74	40.27	34.47	11.95	35.18	271	152	P	V
		5350.8	43.2	-10.8	54	32.04	34.4	11.94	35.18	271	152	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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 Full CH 42 5210MHz		10420	44.74	-23.46	68.2	47.96	37.6	18.42	59.24	100	0	P	H
		15630	47.49	-26.51	74	41.07	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	44.6	-23.6	68.2	47.82	37.6	18.42	59.24	100	0	P	V
		15630	47.47	-26.53	74	41.05	40.33	23.24	57.15	100	0	P	V
													V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.98	63.82	-10.18	74	53.11	34.2	11.79	35.28	100	214	P	H
		5149.24	50.92	-3.08	54	40.21	34.2	11.79	35.28	100	214	A	H
	*	5180	116.29	-	-	105.46	34.27	11.83	35.27	100	214	P	H
	*	5180	108.28	-	-	97.45	34.27	11.83	35.27	100	214	A	H
													H
													H
		5149.5	57.87	-16.13	74	47.16	34.2	11.79	35.28	255	120	P	V
		5149.5	51.04	-2.96	54	40.33	34.2	11.79	35.28	255	120	A	V
	*	5180	118.18	-	-	107.35	34.27	11.83	35.27	255	120	P	V
	*	5180	108.68	-	-	97.85	34.27	11.83	35.27	255	120	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5149.5	56.29	-17.71	74	45.58	34.2	11.79	35.28	100	246	P	H
		5150	46.08	-7.92	54	35.37	34.2	11.79	35.28	100	246	A	H
	*	5220	118.21	-	-	107.3	34.3	11.86	35.25	100	246	P	H
	*	5220	110.16	-	-	99.25	34.3	11.86	35.25	100	246	A	H
		5351.36	51.84	-22.16	74	40.68	34.4	11.94	35.18	100	246	P	H
		5374.04	42.76	-11.24	54	31.51	34.47	11.95	35.17	100	246	A	H
		5148.72	55.76	-18.24	74	45.05	34.2	11.79	35.28	253	154	P	V
		5147.42	46.16	-7.84	54	35.45	34.2	11.79	35.28	253	154	A	V
	*	5220	120.72	-	-	109.81	34.3	11.86	35.25	253	154	P	V
	*	5220	111.59	-	-	100.68	34.3	11.86	35.25	253	154	A	V
		5365.92	52.44	-21.56	74	41.2	34.47	11.95	35.18	253	154	P	V
		5360.04	43.52	-10.48	54	32.35	34.4	11.95	35.18	253	154	A	V

802.11ax HE20 Full CH 48 5240MHz		5136.5	54.06	-19.94	74	43.37	34.2	11.78	35.29	100	239	P	H
		5150	44.75	-9.25	54	34.04	34.2	11.79	35.28	100	239	A	H
	*	5240	120.5	-	-	109.57	34.3	11.87	35.24	100	239	P	H
	*	5240	110.38	-	-	99.45	34.3	11.87	35.24	100	239	A	H
		5372.64	52.08	-21.92	74	40.84	34.47	11.95	35.18	100	239	P	H
		5350.8	43.49	-10.51	54	32.33	34.4	11.94	35.18	100	239	A	H
		5141.44	54.37	-19.63	74	43.68	34.2	11.78	35.29	263	156	P	V
		5150	45.49	-8.51	54	34.78	34.2	11.79	35.28	263	156	A	V
	*	5240	121.02	-	-	110.09	34.3	11.87	35.24	263	156	P	V
	*	5240	112.28	-	-	101.35	34.3	11.87	35.24	263	156	A	V
		5355.56	52.18	-21.82	74	41.02	34.4	11.94	35.18	263	156	P	V
		5350	44.59	-9.41	54	33.43	34.4	11.94	35.18	263	156	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	43.81	-24.39	68.2	47.18	37.57	18.37	59.31	100	0	P	H
		15540	47.74	-26.26	74	41.54	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.7	-23.5	68.2	48.07	37.57	18.37	59.31	100	0	P	V
		15540	49.64	-24.36	74	43.44	40.27	23.16	57.23	100	0	P	V
													V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	46.07	-22.13	68.2	49.24	37.6	18.44	59.21	100	0	P	H
		15660	58.18	-15.82	74	51.64	40.4	23.26	57.12	196	68	P	H
		15660	48.22	-5.78	54	41.68	40.4	23.26	57.12	196	68	A	H
													H
													H
													H
		10440	45.4	-22.8	68.2	48.57	37.6	18.44	59.21	100	0	P	V
		15660	63.83	-10.17	74	57.29	40.4	23.26	57.12	200	250	P	V
		15660	52.76	-1.24	54	46.22	40.4	23.26	57.12	200	250	A	V
													V
													V
													V

		10480	46.34	-21.86	68.2	49.43	37.6	18.47	59.16	100	0	P	H
		15720	59.82	-14.18	74	52.97	40.62	23.3	57.07	193	69	P	H
		15720	47.21	-6.79	54	40.36	40.62	23.3	57.07	193	69	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	46.05	-22.15	68.2	49.14	37.6	18.47	59.16	100	0	P	V
5240MHz		15720	64.07	-9.93	74	57.22	40.62	23.3	57.07	200	238	P	V
		15720	50.15	-3.85	54	43.3	40.62	23.3	57.07	200	238	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5149.76	58.19	-15.81	74	47.48	34.2	11.79	35.28	100	214	P	H
		5150	49.58	-4.42	54	38.87	34.2	11.79	35.28	100	214	A	H
	*	5190	110.89	-	-	100.05	34.27	11.84	35.27	100	214	P	H
	*	5190	103.53	-	-	92.69	34.27	11.84	35.27	100	214	A	H
		5359.2	50.34	-23.66	74	39.17	34.4	11.95	35.18	100	214	P	H
		5350	42.03	-11.97	54	30.87	34.4	11.94	35.18	100	214	A	H
		5148.98	60.07	-13.93	74	49.36	34.2	11.79	35.28	284	145	P	V
		5150	51.55	-2.45	54	40.84	34.2	11.79	35.28	284	145	A	V
	*	5190	112.46	-	-	101.62	34.27	11.84	35.27	284	145	P	V
	*	5190	103.08	-	-	92.24	34.27	11.84	35.27	284	145	A	V
		5360.32	50.73	-23.27	74	39.56	34.4	11.95	35.18	284	145	P	V
		5352.2	42.13	-11.87	54	30.97	34.4	11.94	35.18	284	145	A	V
802.11ax HE40 Full CH 46 5230MHz		5119.86	61.4	-12.6	74	50.73	34.2	11.76	35.29	100	198	P	H
		5149.5	51.84	-2.16	54	41.13	34.2	11.79	35.28	100	198	A	H
	*	5230	115.01	-	-	104.08	34.3	11.87	35.24	100	198	P	H
	*	5230	106.88	-	-	95.95	34.3	11.87	35.24	100	198	A	H
		5393.92	52.46	-21.54	74	41.13	34.53	11.97	35.17	100	198	P	H
		5350	44.81	-9.19	54	33.65	34.4	11.94	35.18	100	198	A	H
		5150	59.99	-14.01	74	49.28	34.2	11.79	35.28	283	162	P	V
		5150	52.75	-1.25	54	42.04	34.2	11.79	35.28	283	162	A	V
	*	5230	116.38	-	-	105.45	34.3	11.87	35.24	283	162	P	V
	*	5230	108.45	-	-	97.52	34.3	11.87	35.24	283	162	A	V
		5371.24	54.83	-19.17	74	43.59	34.47	11.95	35.18	283	162	P	V
		5350.24	45.62	-8.38	54	34.46	34.4	11.94	35.18	283	162	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	44.95	-23.25	68.2	48.26	37.58	18.39	59.28	100	0	P	H
		15570	46.81	-27.19	74	40.59	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	43.63	-24.57	68.2	46.94	37.58	18.39	59.28	100	0	P	V
		15570	47.66	-26.34	74	41.44	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	45.2	-23	68.2	48.34	37.6	18.45	59.19	100	0	P	H
		15690	49.91	-24.09	74	43.2	40.53	23.28	57.1	100	0	P	H
													H
													H
													H
													H
		10460	44.85	-23.35	68.2	47.99	37.6	18.45	59.19	100	0	P	V
		15690	57.29	-16.71	74	50.58	40.53	23.28	57.1	201	251	P	V
		15690	47.48	-6.52	54	40.77	40.53	23.28	57.1	201	251	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 Full CH 42 5210MHz		5148.98	60.74	-13.26	74	50.03	34.2	11.79	35.28	100	213	P	H
		5149.5	52.01	-1.99	54	41.3	34.2	11.79	35.28	100	213	A	H
	*	5210	107.77	-	-	96.86	34.3	11.86	35.25	100	213	P	H
	*	5210	100.01	-	-	89.1	34.3	11.86	35.25	100	213	A	H
		5354.44	50.84	-23.16	74	39.68	34.4	11.94	35.18	100	213	P	H
		5350.8	43.29	-10.71	54	32.13	34.4	11.94	35.18	100	213	A	H
		5146.12	61.93	-12.07	74	51.22	34.2	11.79	35.28	282	131	P	V
		5148.2	52.12	-1.88	54	41.41	34.2	11.79	35.28	282	131	A	V
	*	5210	107.63	-	-	96.72	34.3	11.86	35.25	282	131	P	V
	*	5210	100.04	-	-	89.13	34.3	11.86	35.25	282	131	A	V
		5405.68	49.88	-24.12	74	38.46	34.6	11.98	35.16	282	131	P	V
		5357.8	42.6	-11.4	54	31.44	34.4	11.94	35.18	282	131	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3	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 Full CH 42 5210MHz		10420	45.13	-23.07	68.2	48.35	37.6	18.42	59.24	100	0	P	H
		15630	47.37	-26.63	74	40.95	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	44.69	-23.51	68.2	47.91	37.6	18.42	59.24	100	0	P	V
		15630	46.98	-27.02	74	40.56	40.33	23.24	57.15	100	0	P	V
													V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5145.6	59.9	-14.1	74	49.19	34.2	11.79	35.28	100	207	P	H
		5149.5	52.72	-1.28	54	42.01	34.2	11.79	35.28	100	207	A	H
	*	5180	118.53	-	-	107.7	34.27	11.83	35.27	100	207	P	H
	*	5180	109.69	-	-	98.86	34.27	11.83	35.27	100	207	A	H
													H
													H
		5149.5	62.61	-11.39	74	51.9	34.2	11.79	35.28	300	192	P	V
		5149.76	52.4	-1.6	54	41.69	34.2	11.79	35.28	300	192	A	V
	*	5180	118.93	-	-	108.1	34.27	11.83	35.27	300	192	P	V
	*	5180	110.89	-	-	100.06	34.27	11.83	35.27	300	192	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5149.5	54.45	-19.55	74	43.74	34.2	11.79	35.28	100	209	P	H
		5148.46	46.41	-7.59	54	35.7	34.2	11.79	35.28	100	209	A	H
	*	5220	121.12	-	-	110.21	34.3	11.86	35.25	100	209	P	H
	*	5220	111.98	-	-	101.07	34.3	11.86	35.25	100	209	A	H
		5378.52	53.17	-20.83	74	41.85	34.53	11.96	35.17	100	209	P	H
		5350	43.9	-10.1	54	32.74	34.4	11.94	35.18	100	209	A	H
		5150	55.78	-18.22	74	45.07	34.2	11.79	35.28	100	301	P	V
		5148.2	46.15	-7.85	54	35.44	34.2	11.79	35.28	100	301	A	V
	*	5220	121.59	-	-	110.68	34.3	11.86	35.25	100	301	P	V
	*	5220	113.38	-	-	102.47	34.3	11.86	35.25	100	301	A	V
		5376.56	52.64	-21.36	74	41.38	34.47	11.96	35.17	100	301	P	V
		5372.08	43.37	-10.63	54	32.13	34.47	11.95	35.18	100	301	A	V

802.11ax HE20 Full CH 48 5240MHz		5145.34	54.82	-19.18	74	44.11	34.2	11.79	35.28	100	244	P	H
		5150	46.57	-7.43	54	35.86	34.2	11.79	35.28	100	244	A	H
	*	5240	121.81	-	-	110.88	34.3	11.87	35.24	100	244	P	H
	*	5240	112.41	-	-	101.48	34.3	11.87	35.24	100	244	A	H
		5377.96	53.96	-20.04	74	42.64	34.53	11.96	35.17	100	244	P	H
		5350.24	44.81	-9.19	54	33.65	34.4	11.94	35.18	100	244	A	H
		5137.54	58.82	-15.18	74	48.13	34.2	11.78	35.29	112	343	P	V
		5150	48.77	-5.23	54	38.06	34.2	11.79	35.28	112	343	A	V
	*	5240	122.33	-	-	111.4	34.3	11.87	35.24	112	343	P	V
	*	5240	114.17	-	-	103.24	34.3	11.87	35.24	112	343	A	V
		5358.36	55.25	-18.75	74	44.08	34.4	11.95	35.18	112	343	P	V
		5350	45.65	-8.35	54	34.49	34.4	11.94	35.18	112	343	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	44.04	-24.16	68.2	47.41	37.57	18.37	59.31	100	0	P	H
		15540	47.33	-26.67	74	41.13	40.27	23.16	57.23	100	0	P	H
													H
													H
													H
													H
		10360	44.07	-24.13	68.2	47.44	37.57	18.37	59.31	100	0	P	V
		15540	54.5	-19.5	74	48.3	40.27	23.16	57.23	203	231	P	V
		15540	44.31	-9.69	54	38.11	40.27	23.16	57.23	203	231	A	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	45.54	-22.66	68.2	48.71	37.6	18.44	59.21	100	0	P	H
		15660	61.28	-12.72	74	54.74	40.4	23.26	57.12	197	67	P	H
		15660	50.7	-3.3	54	44.16	40.4	23.26	57.12	197	67	A	H
													H
													H
													H
		10440	45.81	-22.39	68.2	48.98	37.6	18.44	59.21	100	0	P	V
		15660	63.44	-10.56	74	56.9	40.4	23.26	57.12	200	250	P	V
		15660	52.64	-1.36	54	46.1	40.4	23.26	57.12	200	250	A	V
													V
													V
													V

		10480	44.93	-23.27	68.2	48.02	37.6	18.47	59.16	100	0	P	H
		15720	55.59	-18.41	74	48.74	40.62	23.3	57.07	196	112	P	H
		15720	46.55	-7.45	54	39.7	40.62	23.3	57.07	196	112	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	45.7	-22.5	68.2	48.79	37.6	18.47	59.16	100	0	P	V
5240MHz		15720	60.55	-13.45	74	53.7	40.62	23.3	57.07	200	236	P	V
		15720	49.54	-4.46	54	42.69	40.62	23.3	57.07	200	236	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5149.5	57.1	-16.9	74	46.39	34.2	11.79	35.28	100	203	P	H
		5149.76	49.53	-4.47	54	38.82	34.2	11.79	35.28	100	203	A	H
	*	5190	111.54	-	-	100.7	34.27	11.84	35.27	100	203	P	H
	*	5190	102.64	-	-	91.8	34.27	11.84	35.27	100	203	A	H
		5354.16	50.17	-23.83	74	39.01	34.4	11.94	35.18	100	203	P	H
		5350	42.17	-11.83	54	31.01	34.4	11.94	35.18	100	203	A	H
		5150	58.81	-15.19	74	48.1	34.2	11.79	35.28	259	163	P	V
		5149.76	51.7	-2.3	54	40.99	34.2	11.79	35.28	259	163	A	V
	*	5190	111.71	-	-	100.87	34.27	11.84	35.27	259	163	P	V
	*	5190	103.88	-	-	93.04	34.27	11.84	35.27	259	163	A	V
		5355.28	50.94	-23.06	74	39.78	34.4	11.94	35.18	259	163	P	V
		5350	42.27	-11.73	54	31.11	34.4	11.94	35.18	259	163	A	V
802.11ax HE40 Full CH 46 5230MHz		5143.52	60.83	-13.17	74	50.13	34.2	11.79	35.29	103	206	P	H
		5149.76	52.21	-1.79	54	41.5	34.2	11.79	35.28	103	206	A	H
	*	5230	117.16	-	-	106.23	34.3	11.87	35.24	103	206	P	H
	*	5230	108.43	-	-	97.5	34.3	11.87	35.24	103	206	A	H
		5363.96	53.27	-20.73	74	42.03	34.47	11.95	35.18	103	206	P	H
		5350.52	45.55	-8.45	54	34.39	34.4	11.94	35.18	103	206	A	H
		5150	62.63	-11.37	74	51.92	34.2	11.79	35.28	300	182	P	V
		5150	52.82	-1.18	54	42.11	34.2	11.79	35.28	300	182	A	V
	*	5230	119.23	-	-	108.3	34.3	11.87	35.24	300	182	P	V
	*	5230	109.83	-	-	98.9	34.3	11.87	35.24	300	182	A	V
		5350.8	54.08	-19.92	74	42.92	34.4	11.94	35.18	300	182	P	V
		5350.24	45.8	-8.2	54	34.64	34.4	11.94	35.18	300	182	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	44.01	-24.19	68.2	47.32	37.58	18.39	59.28	100	0	P	H
		15570	47.2	-26.8	74	40.98	40.23	23.19	57.2	100	0	P	H
													H
													H
													H
													H
		10380	44.59	-23.61	68.2	47.9	37.58	18.39	59.28	100	0	P	V
		15570	47.41	-26.59	74	41.19	40.23	23.19	57.2	100	0	P	V
													V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	45.21	-22.99	68.2	48.35	37.6	18.45	59.19	100	0	P	H
		15690	55.32	-18.68	74	48.61	40.53	23.28	57.1	194	70	P	H
		15690	45.82	-8.18	54	39.11	40.53	23.28	57.1	194	70	A	H
													H
													H
													H
		10460	45.03	-23.17	68.2	48.17	37.6	18.45	59.19	100	0	P	V
		15690	59.05	-14.95	74	52.34	40.53	23.28	57.1	200	252	P	V
		15690	50.2	-3.8	54	43.49	40.53	23.28	57.1	200	252	A	V
													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 Full (Band Edge @ 3m)

WIFI Ant. 1+2+3+4	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 Full CH 42 5210MHz		5147.42	58.12	-15.88	74	47.41	34.2	11.79	35.28	105	188	P	H
		5150	49.9	-4.1	54	39.19	34.2	11.79	35.28	105	188	A	H
	*	5210	107.5	-	-	96.59	34.3	11.86	35.25	105	188	P	H
	*	5210	100	-	-	89.09	34.3	11.86	35.25	105	188	A	H
		5360.32	49.68	-24.32	74	38.51	34.4	11.95	35.18	105	188	P	H
		5351.64	42.08	-11.92	54	30.92	34.4	11.94	35.18	105	188	A	H
		5149.5	59.82	-14.18	74	49.11	34.2	11.79	35.28	300	190	P	V
		5149.76	51.9	-2.1	54	41.19	34.2	11.79	35.28	300	190	A	V
	*	5210	109.3	-	-	98.39	34.3	11.86	35.25	300	190	P	V
	*	5210	100.4	-	-	89.49	34.3	11.86	35.25	300	190	A	V
		5353.6	51.03	-22.97	74	39.87	34.4	11.94	35.18	300	190	P	V
		5350.24	43.13	-10.87	54	31.97	34.4	11.94	35.18	300	190	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2+3+4	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 Full CH 42 5210MHz		10420	44.7	-23.5	68.2	47.92	37.6	18.42	59.24	100	0	P	H
		15630	46.66	-27.34	74	40.24	40.33	23.24	57.15	100	0	P	H
													H
													H
													H
													H
		10420	45.48	-22.72	68.2	48.7	37.6	18.42	59.24	100	0	P	V
		15630	47	-27	74	40.58	40.33	23.24	57.15	100	0	P	V
													V
													V
													V
													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.	
1+2+3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	**Temperature :**	23.5~26.8°C
		Relative Humidity :	52.3~58.9%

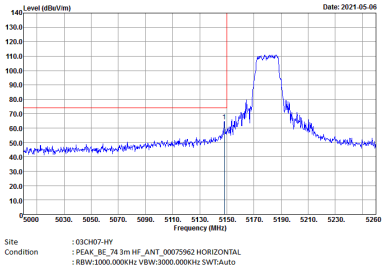
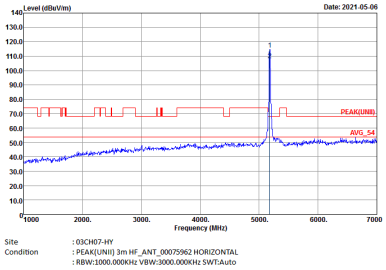
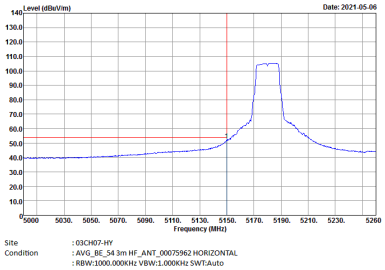
Note symbol

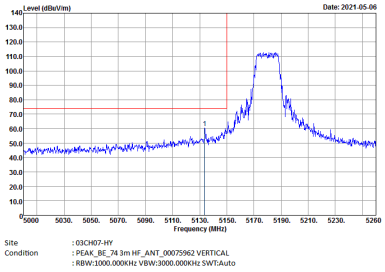
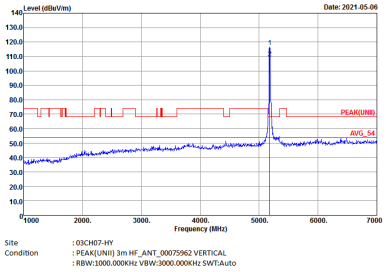
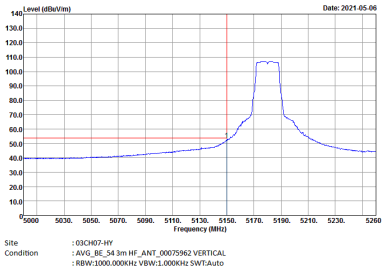
-L	**Low channel location**
-R	**High channel location**

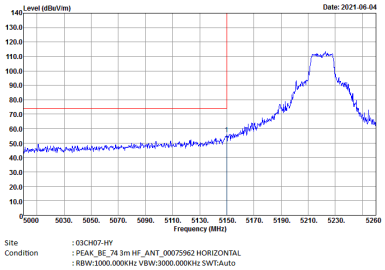
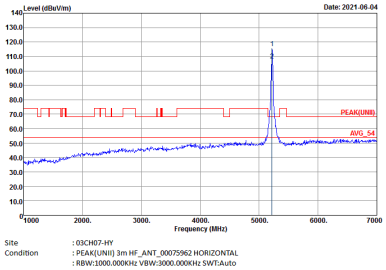
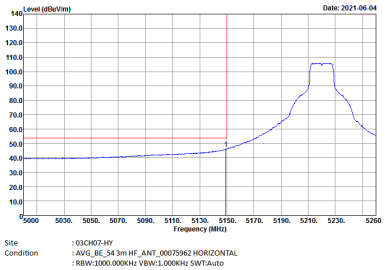
<CDD Mode>

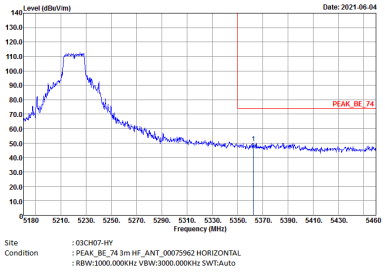
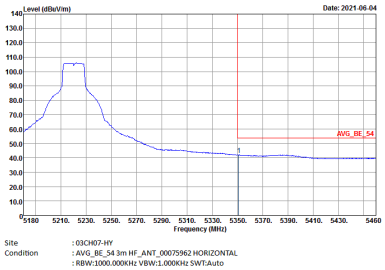
Band 1 - 5150~5250MHz

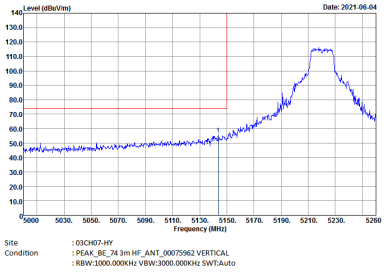
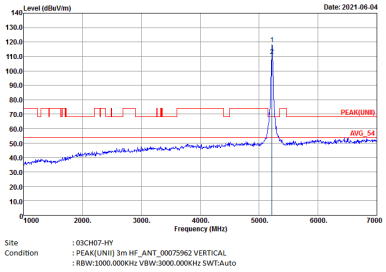
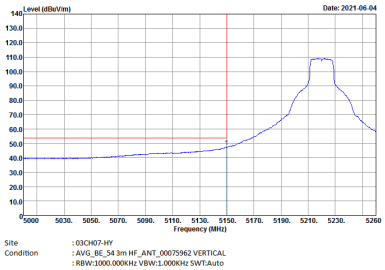
WIFI 802.11a (Band Edge @ 3m)

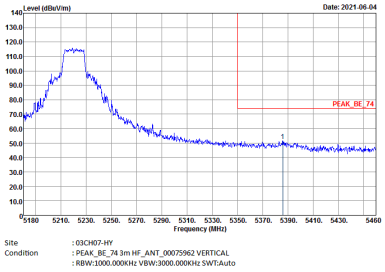
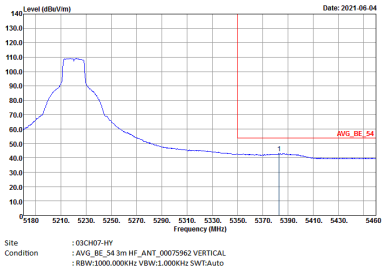
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

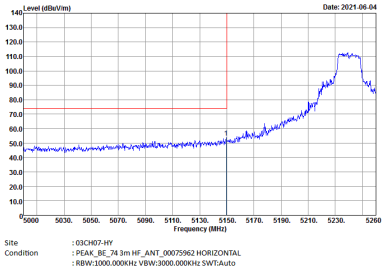
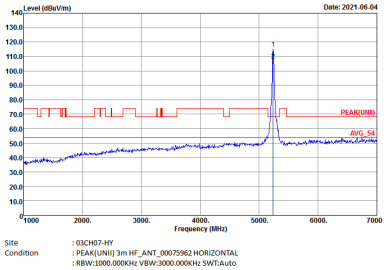
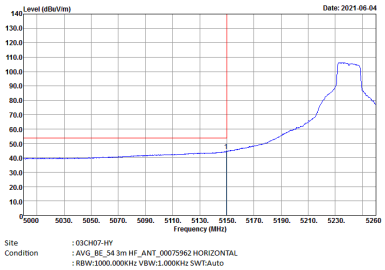
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

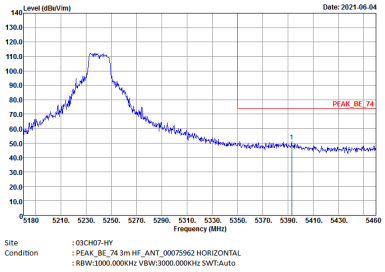
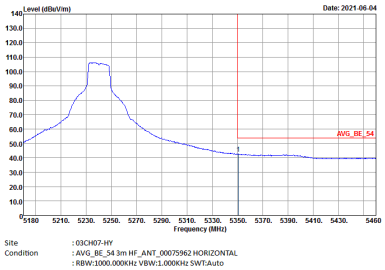
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

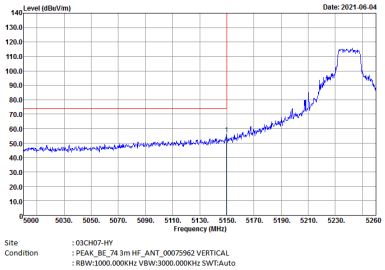
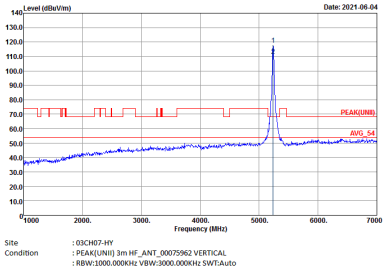
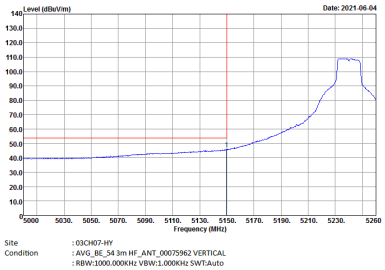
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

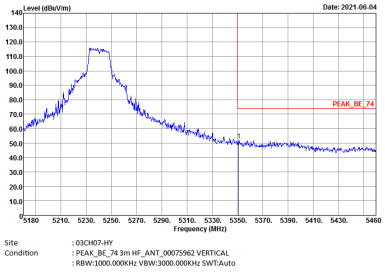
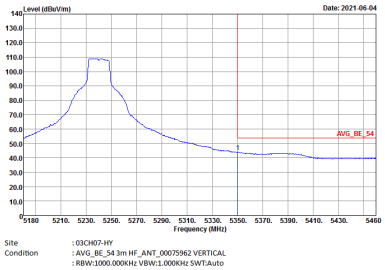
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

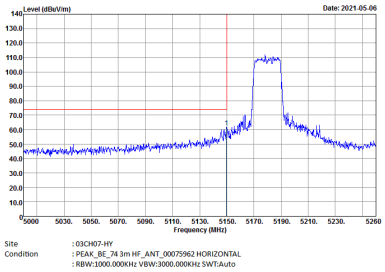
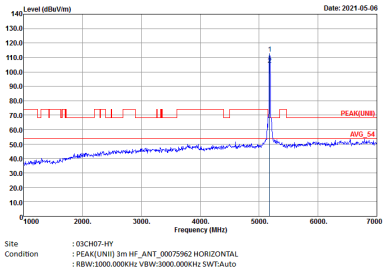
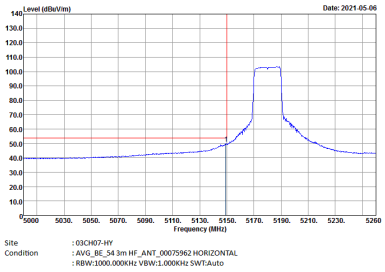
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

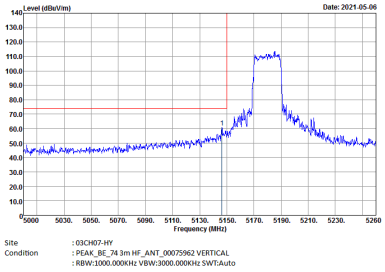
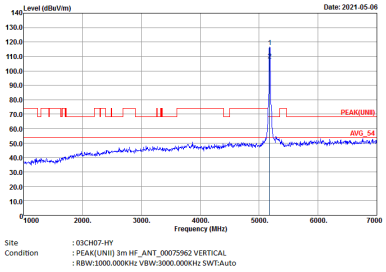
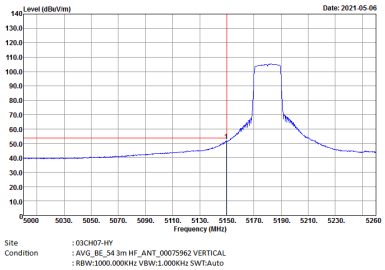
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

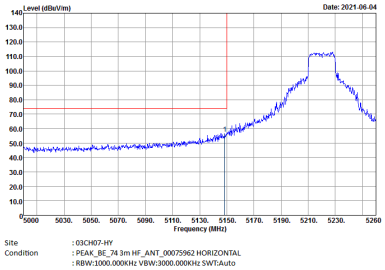
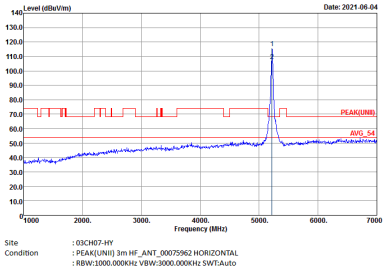
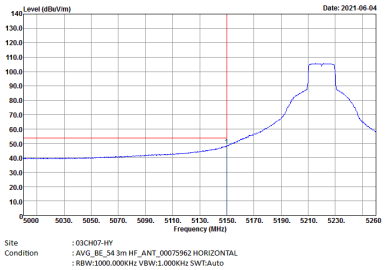
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

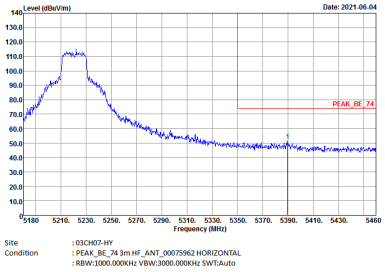
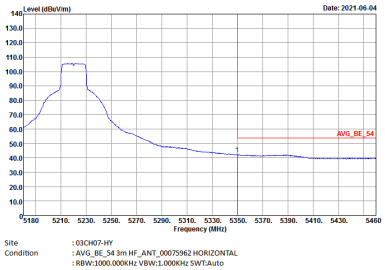
Band 1 5150~5250MHz

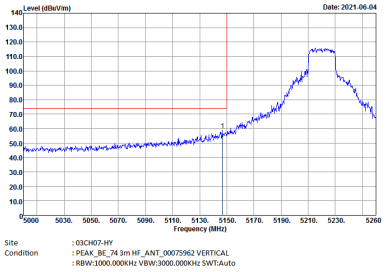
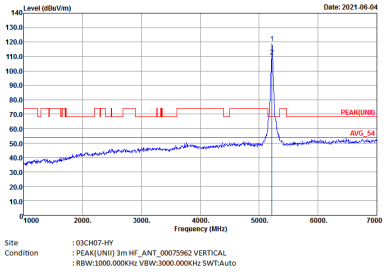
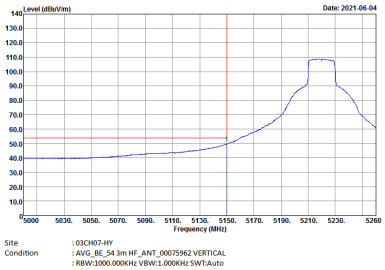
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

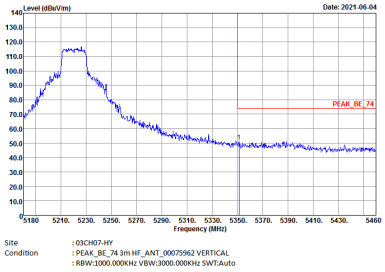
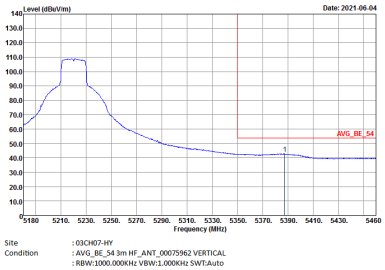
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

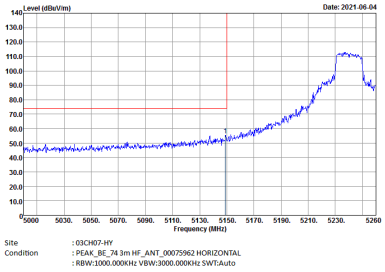
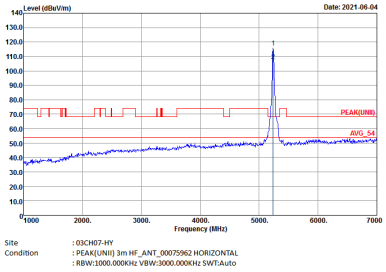
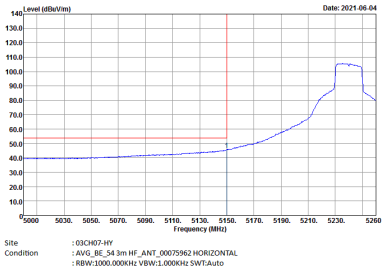
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

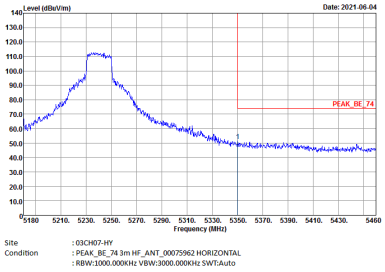
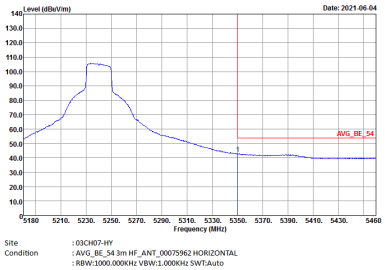
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

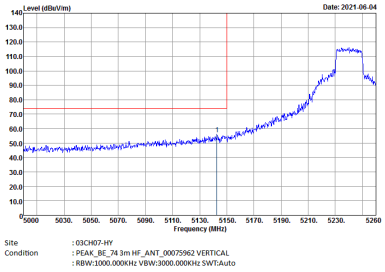
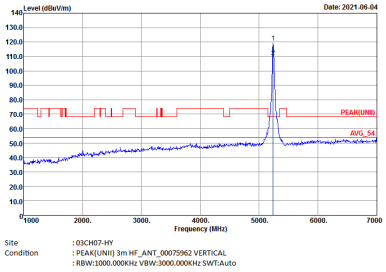
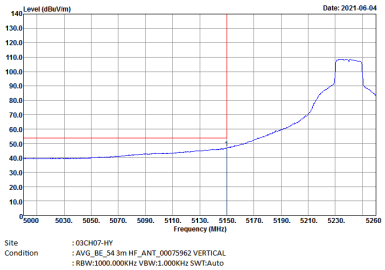
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

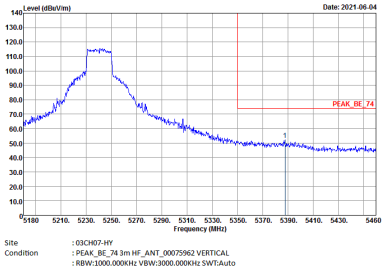
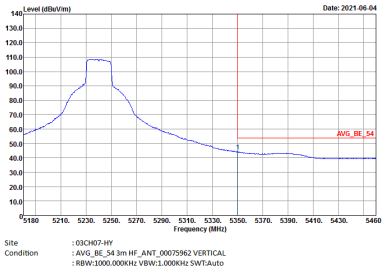
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

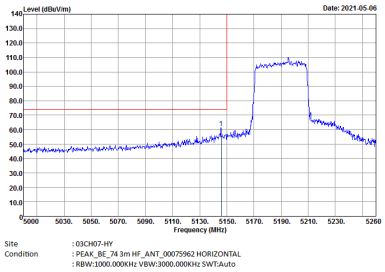
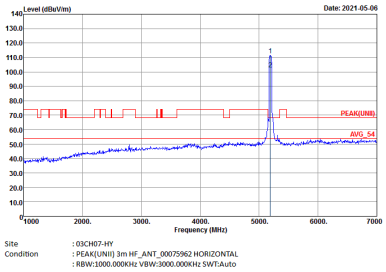
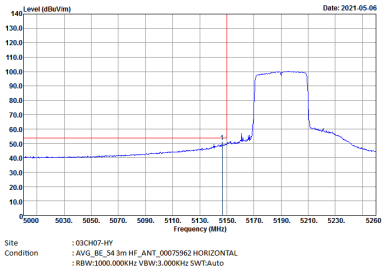
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

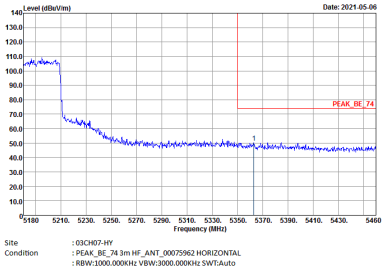
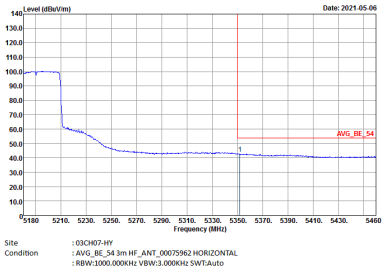
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

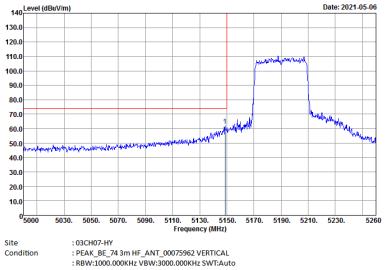
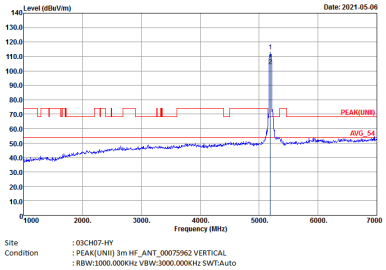
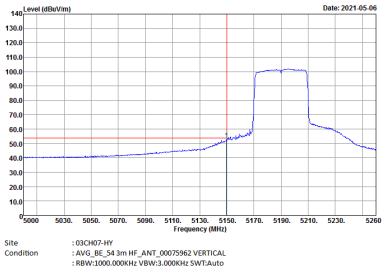
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

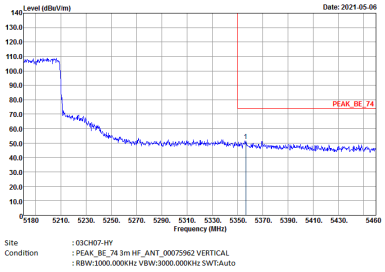
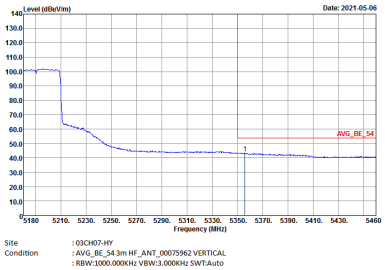
Band 1 5150~5250MHz

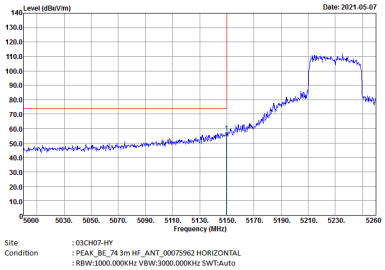
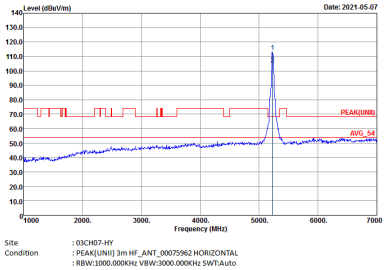
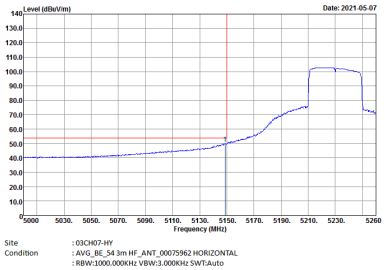
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

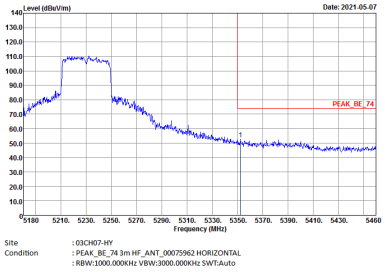
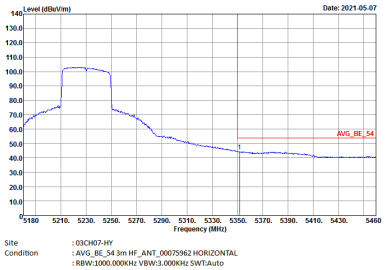
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

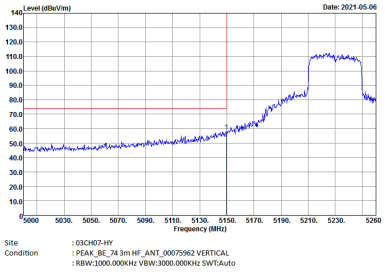
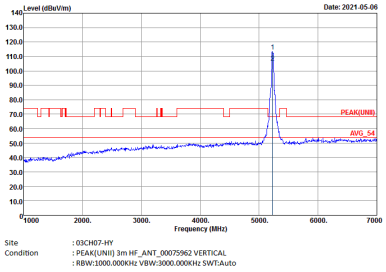
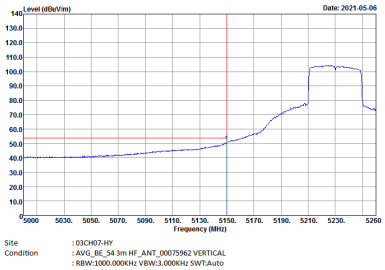
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

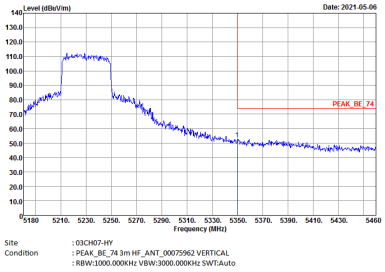
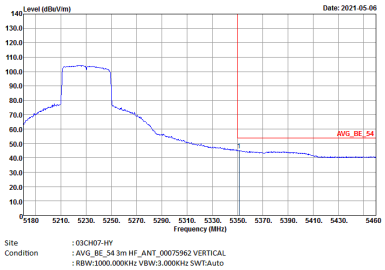
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

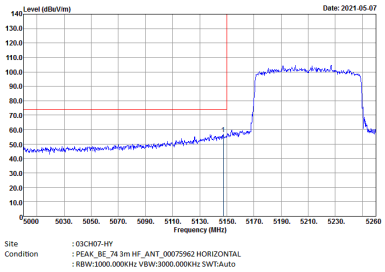
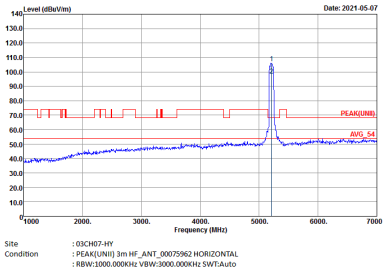
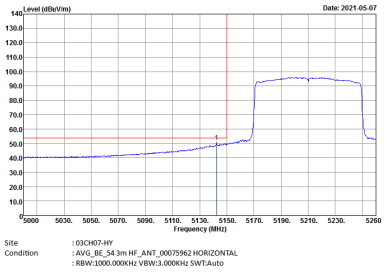
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

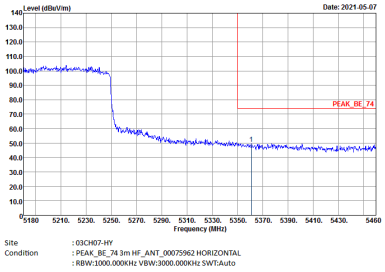
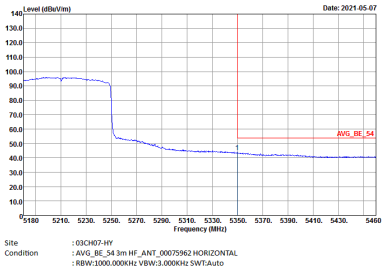
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

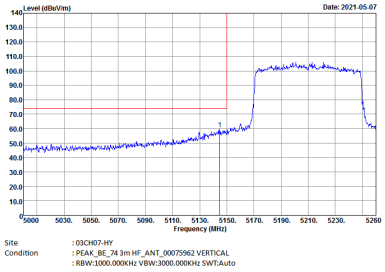
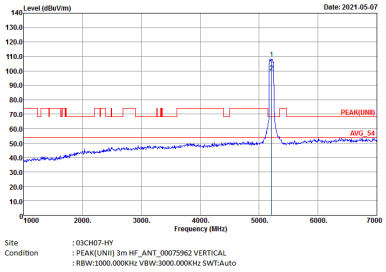
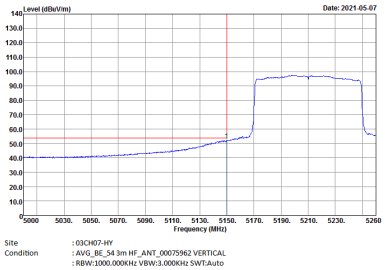
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

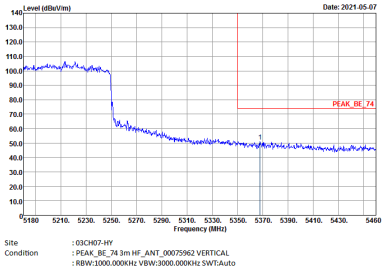
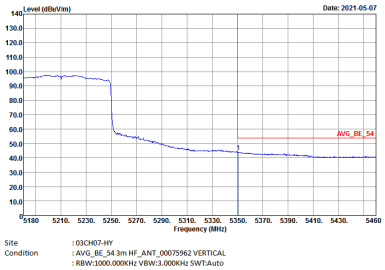
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

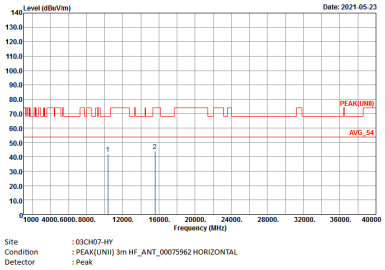
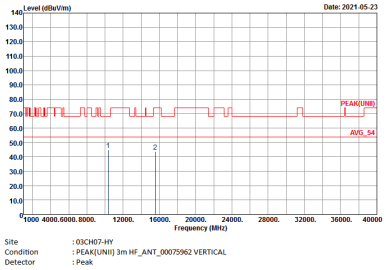
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

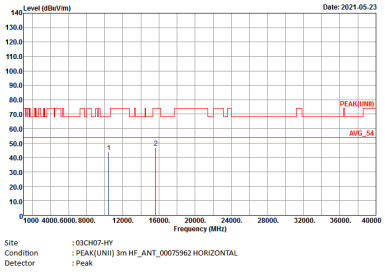
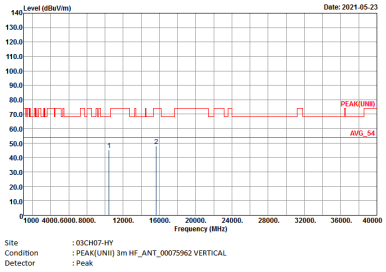
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

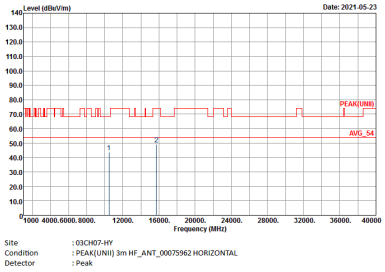
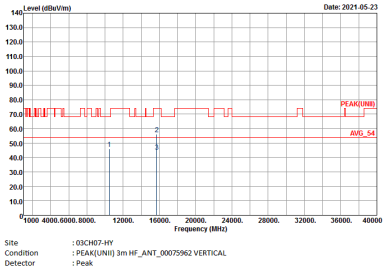
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

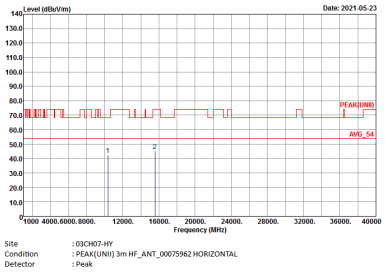
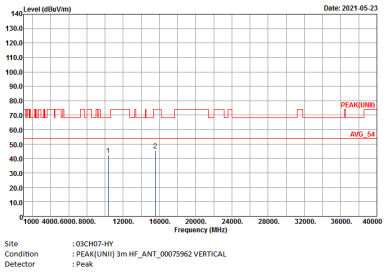
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 	

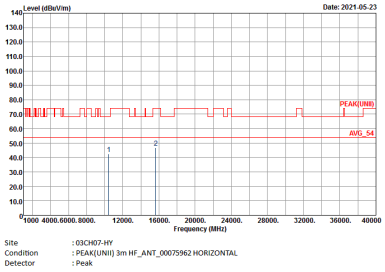
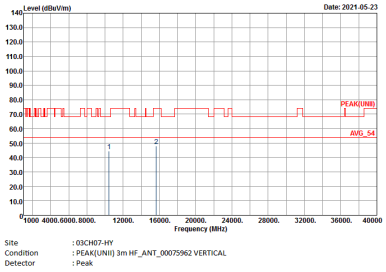
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

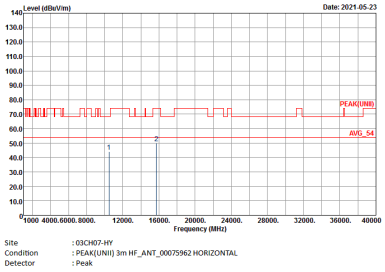
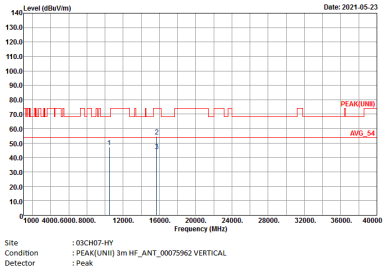
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

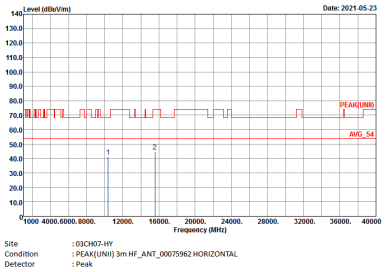
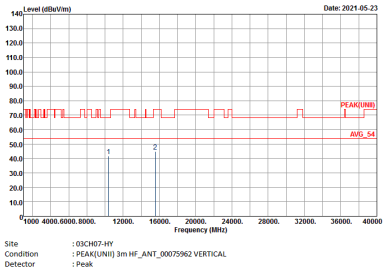
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

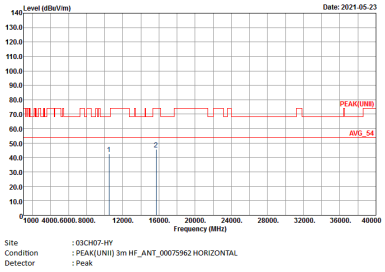
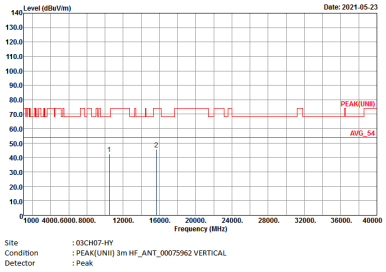
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

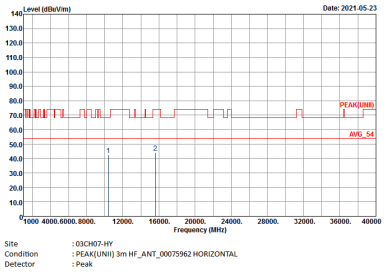
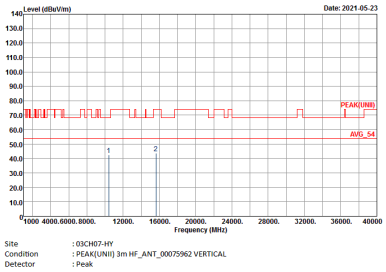
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

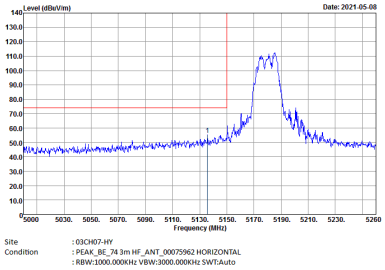
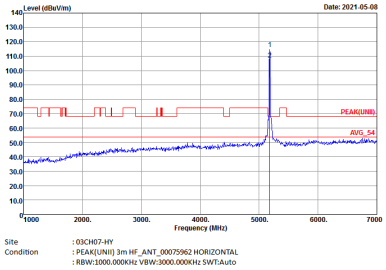
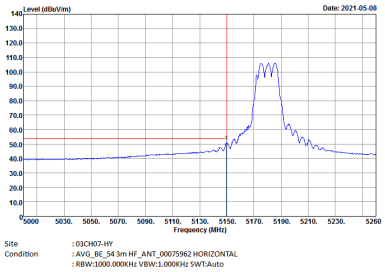
Band 1 5150~5250MHz

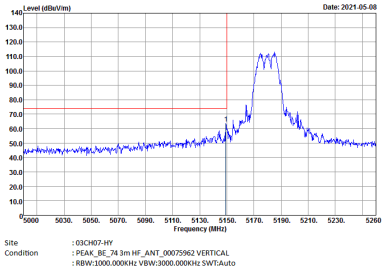
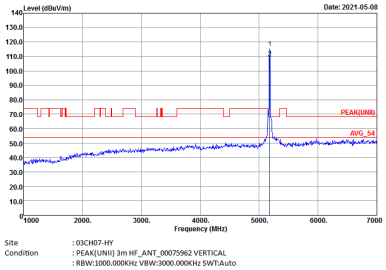
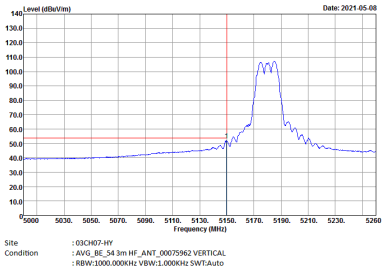
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

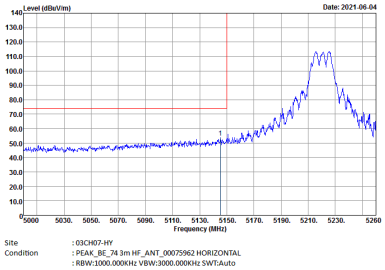
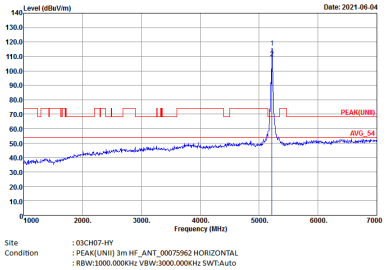
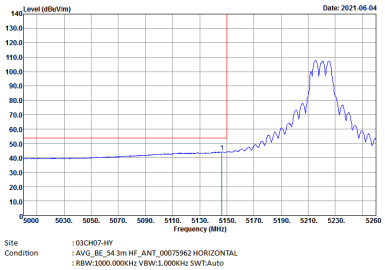
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

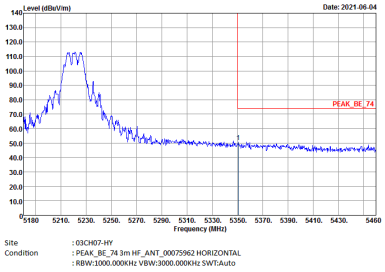
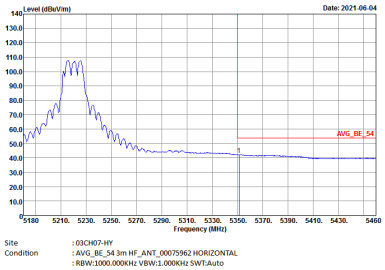
Band 1 - 5150~5250MHz

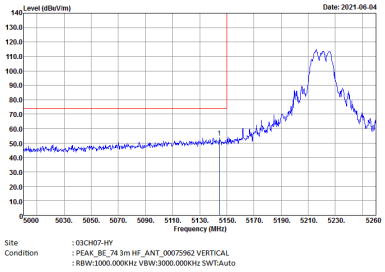
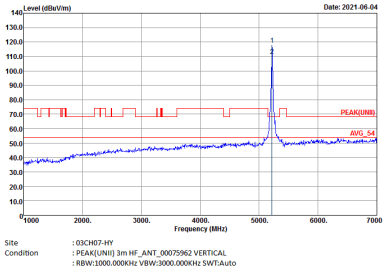
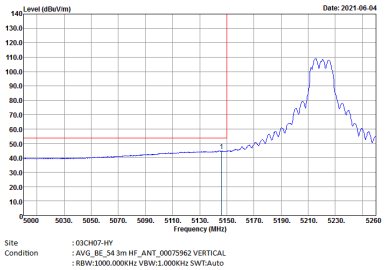
WIFI 802.11a (Band Edge @ 3m)

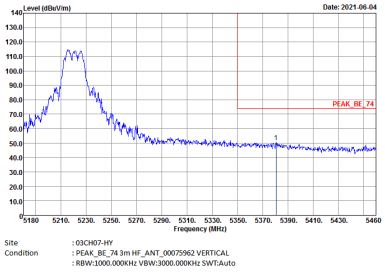
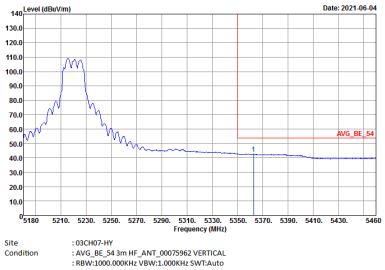
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

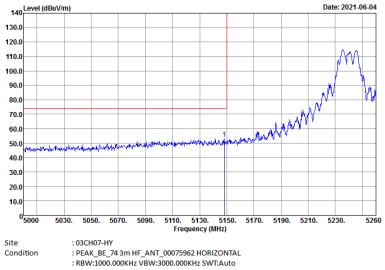
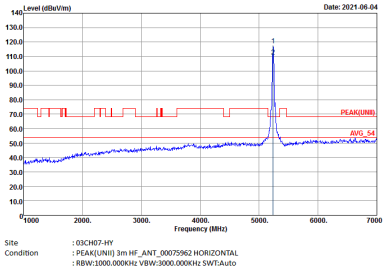
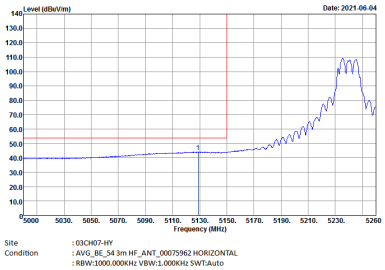
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

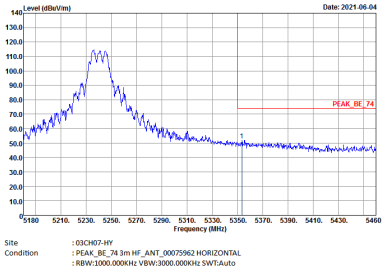
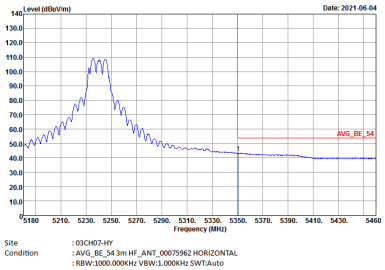
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

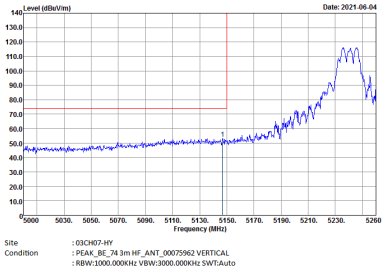
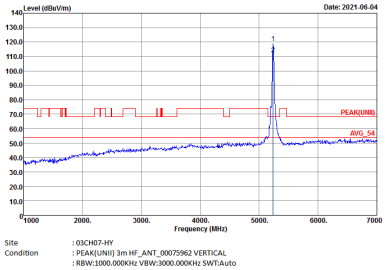
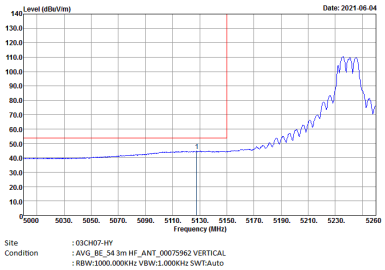
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

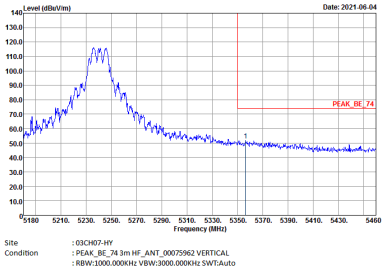
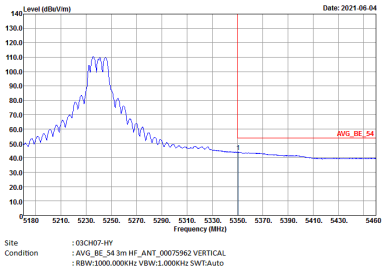
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

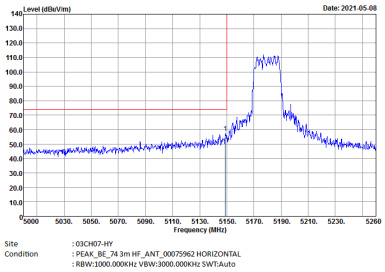
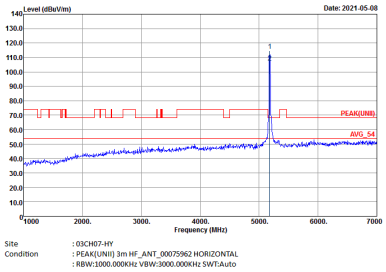
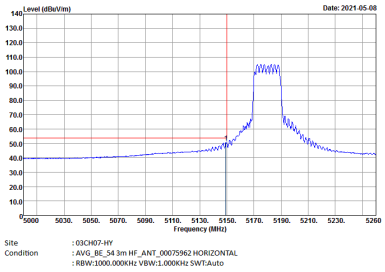
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

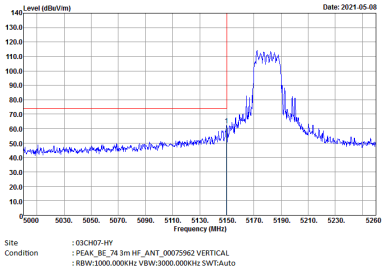
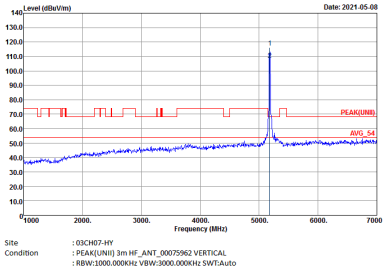
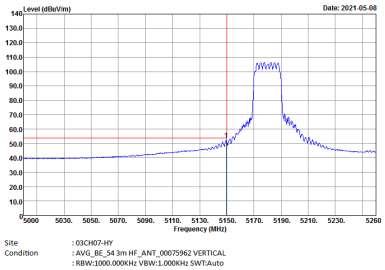
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

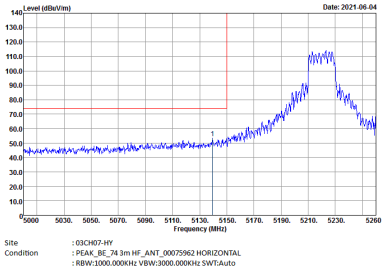
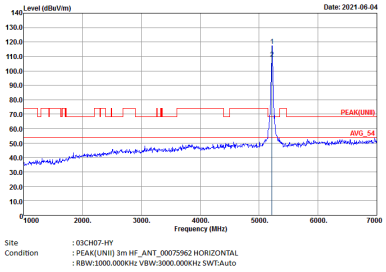
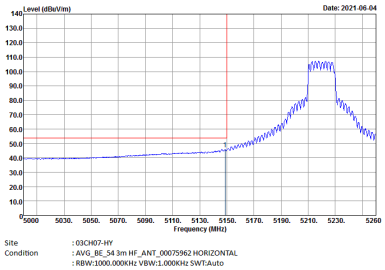
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

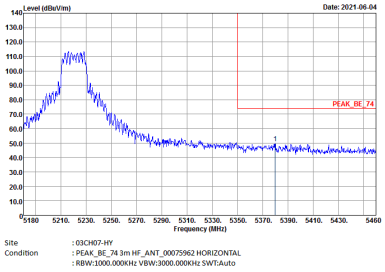
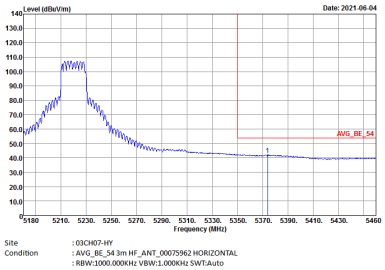
Band 1 5150~5250MHz

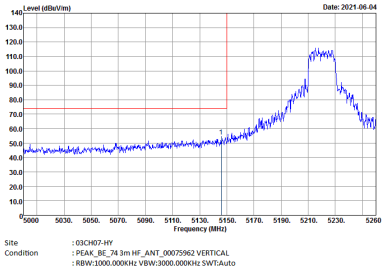
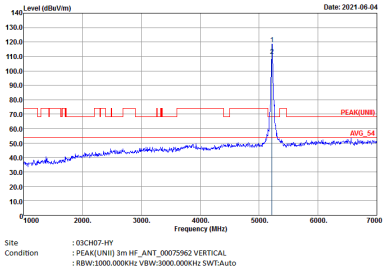
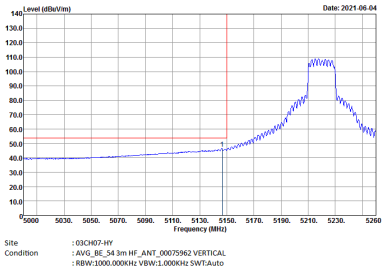
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

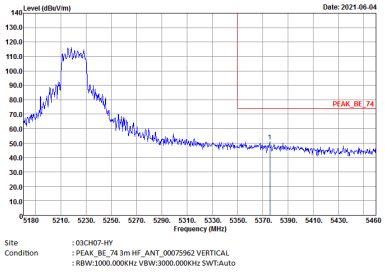
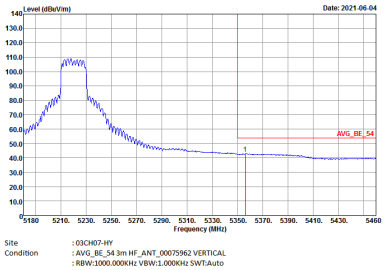
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

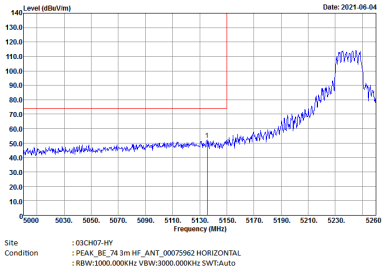
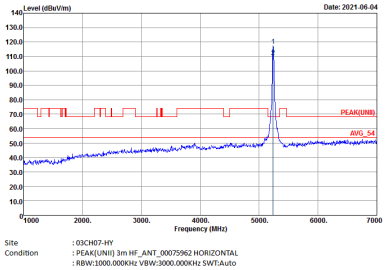
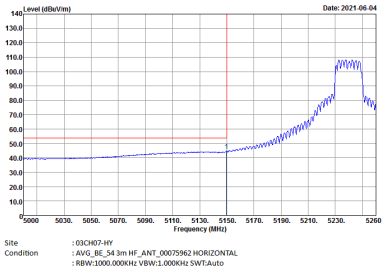
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

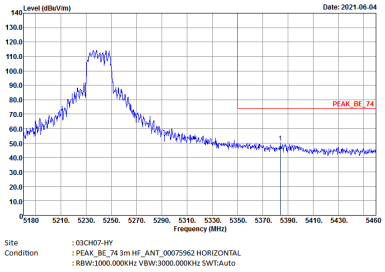
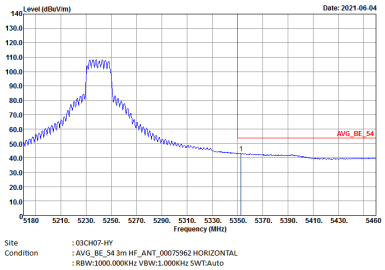
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

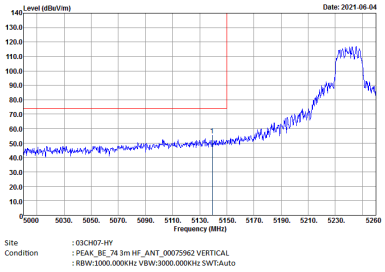
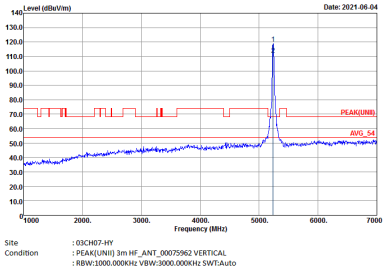
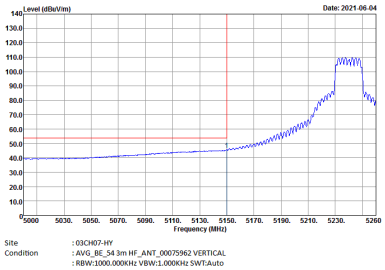
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

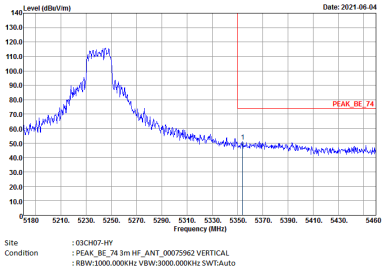
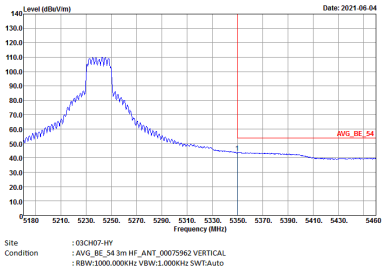
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

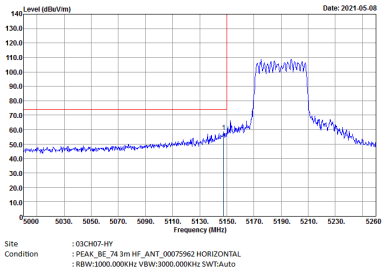
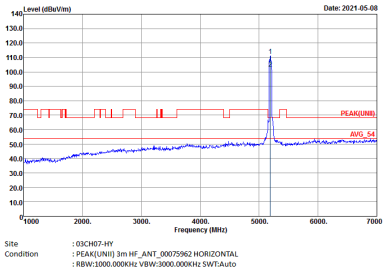
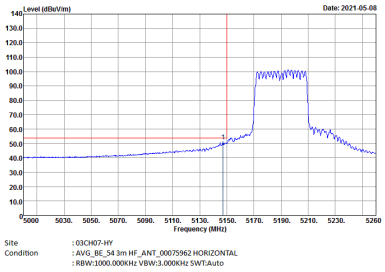
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

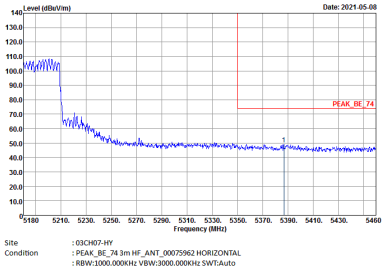
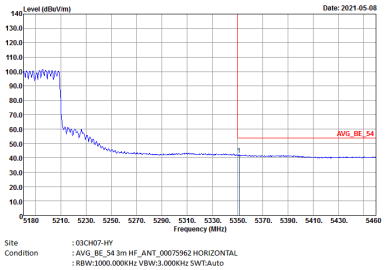
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

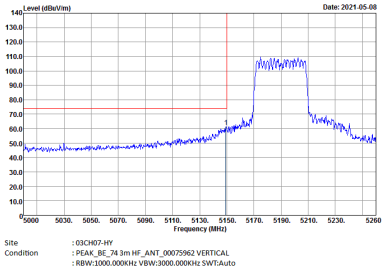
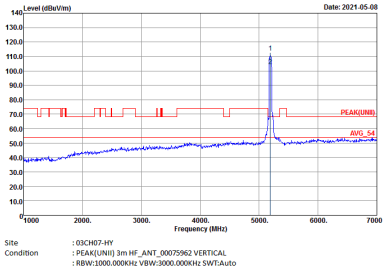
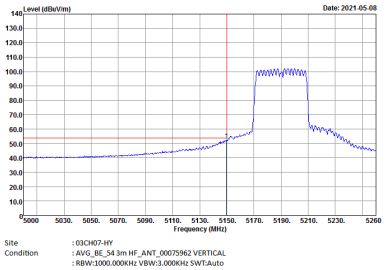
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

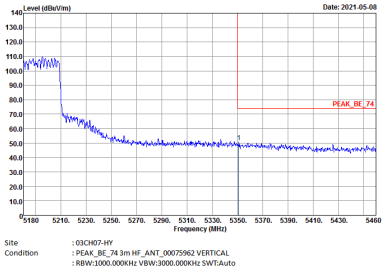
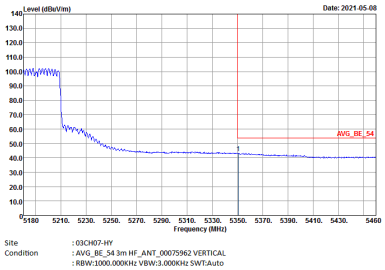
Band 1 5150~5250MHz

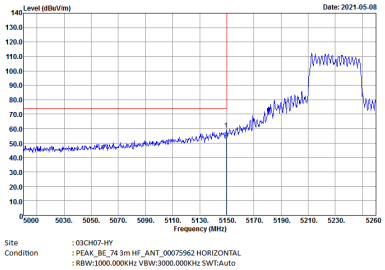
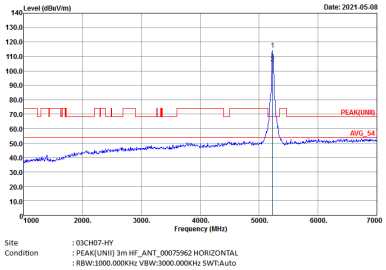
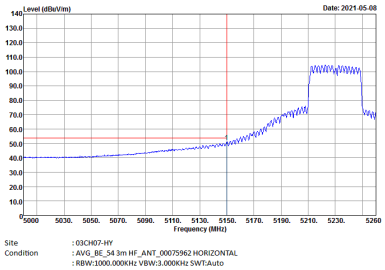
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

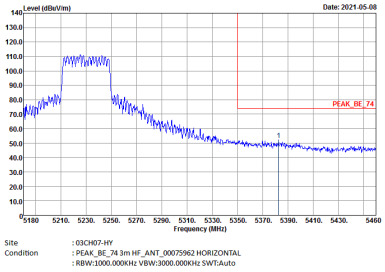
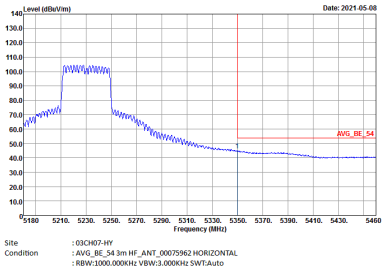
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

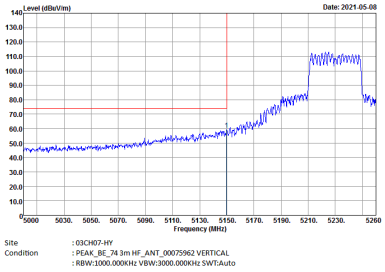
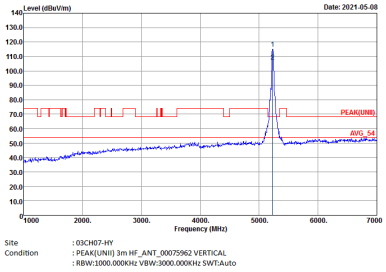
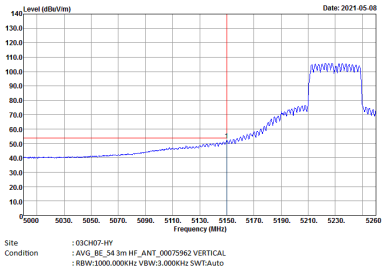
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

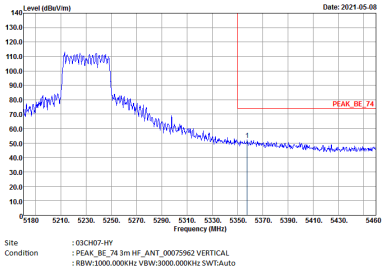
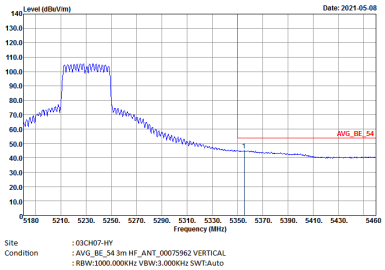
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

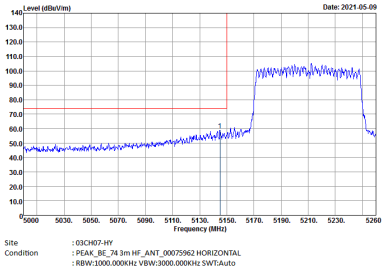
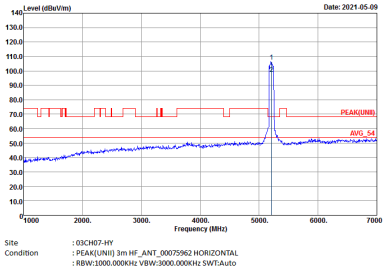
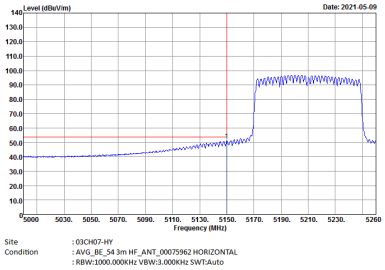
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

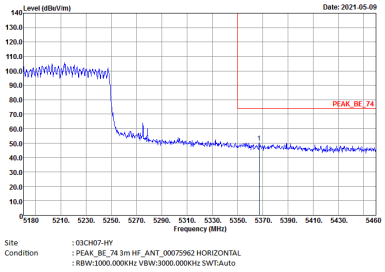
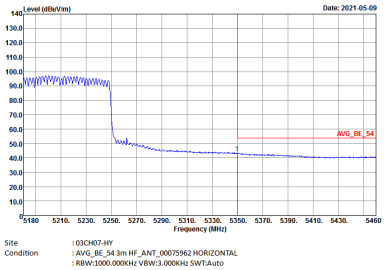
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

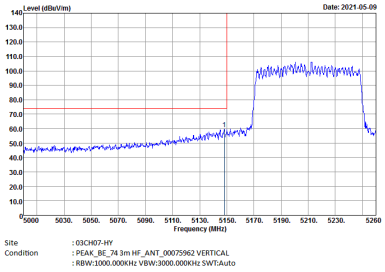
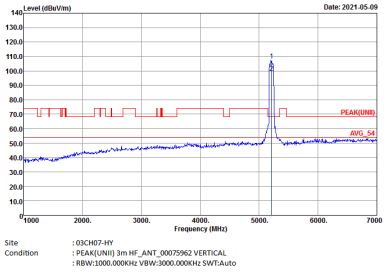
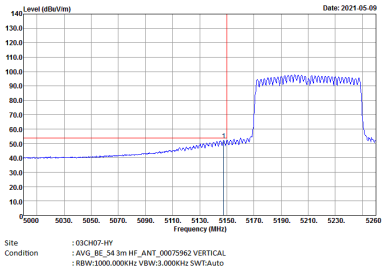
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

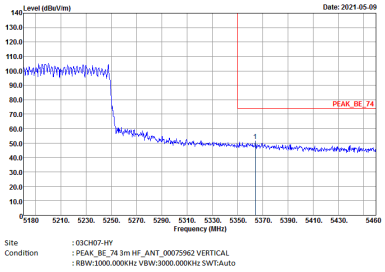
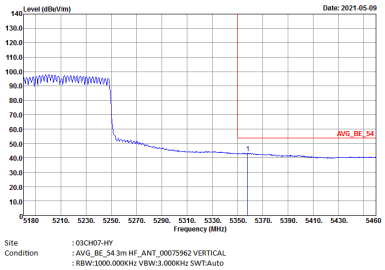
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

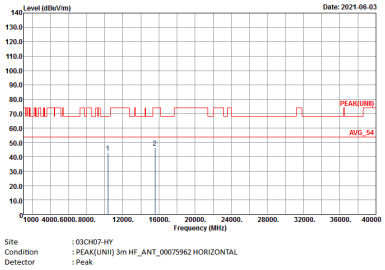
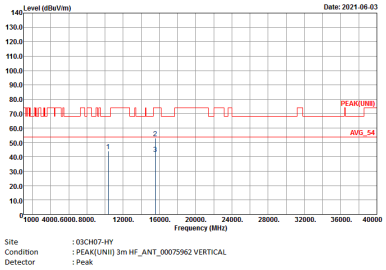
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

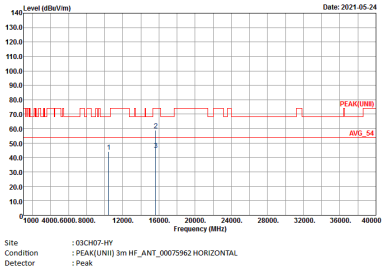
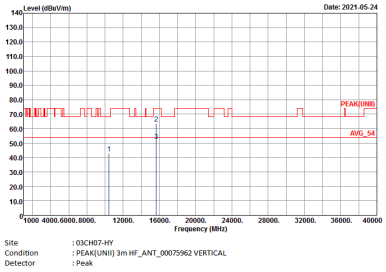
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

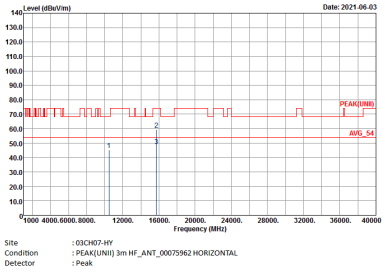
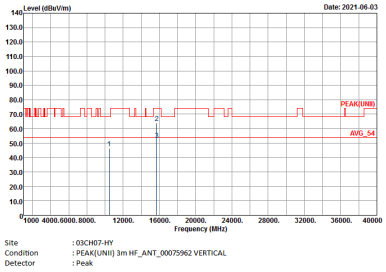
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

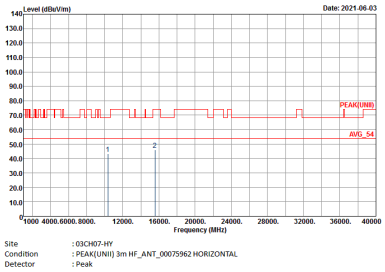
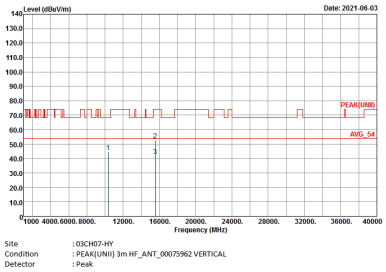
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

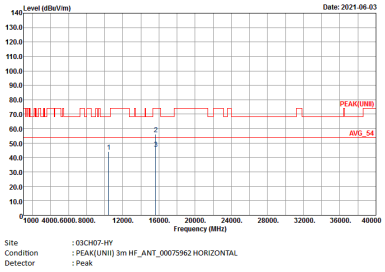
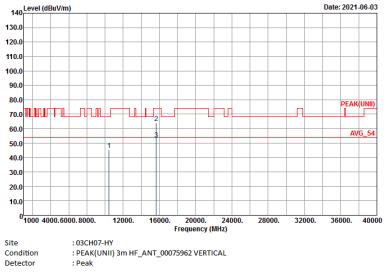
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

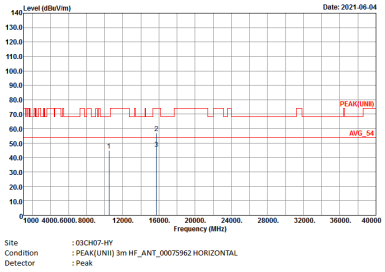
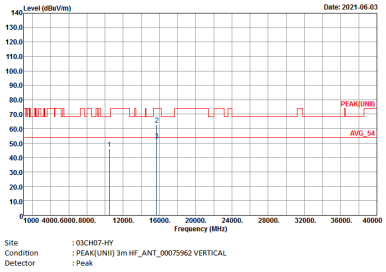
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

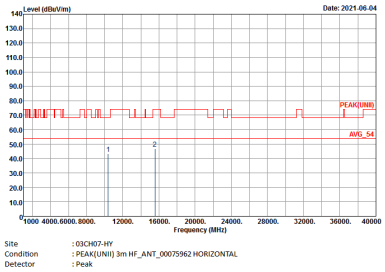
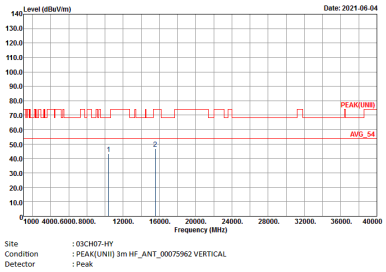
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

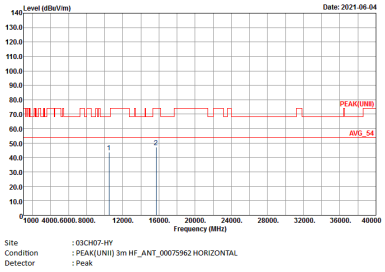
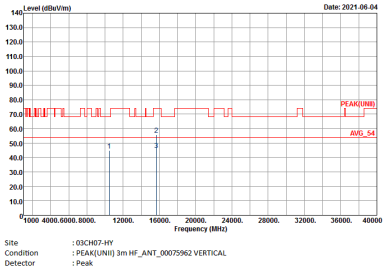
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

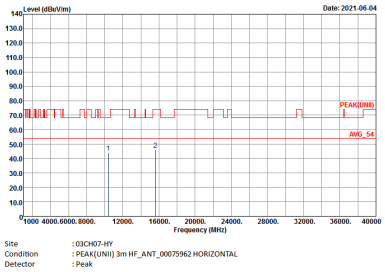
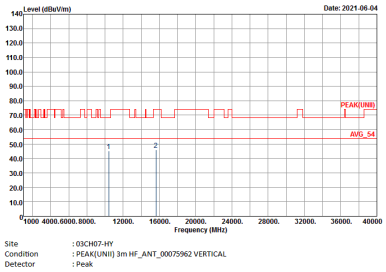
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

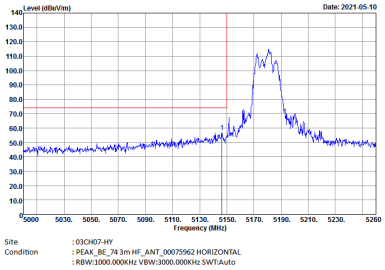
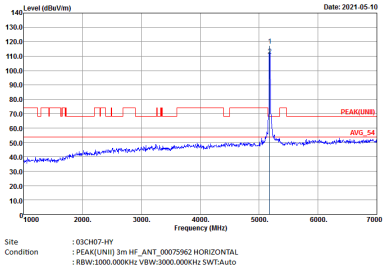
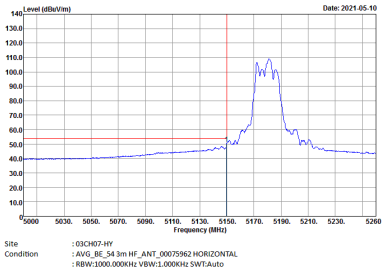
Band 1 5150~5250MHz

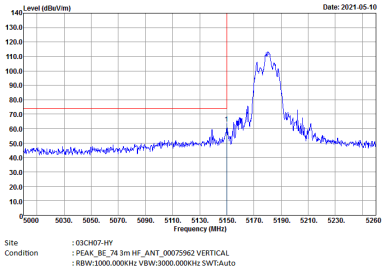
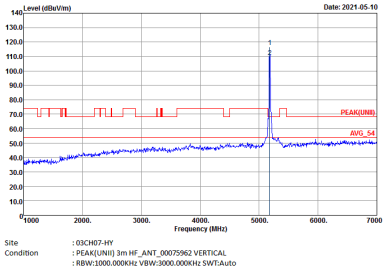
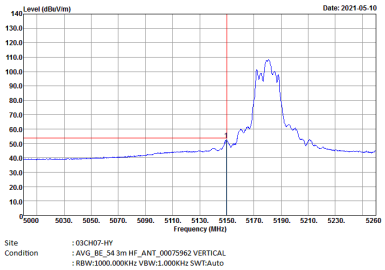
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

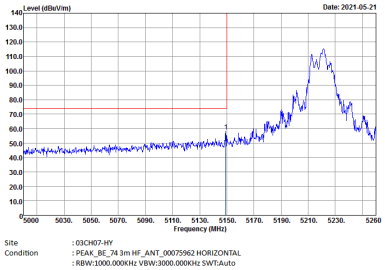
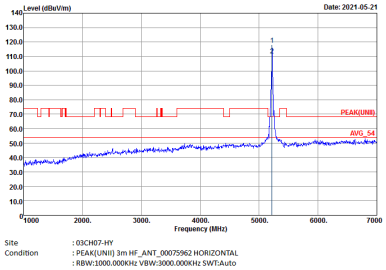
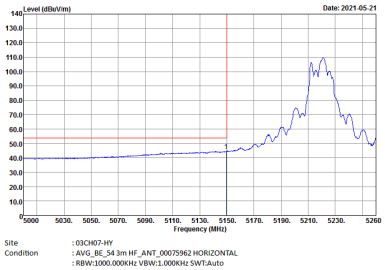
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

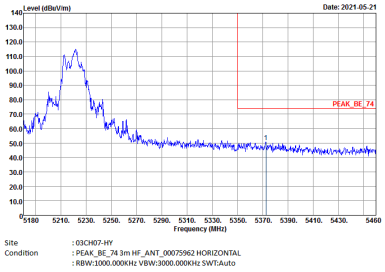
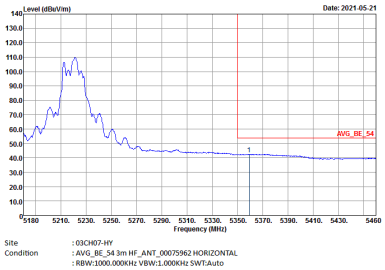
Band 1 - 5150~5250MHz

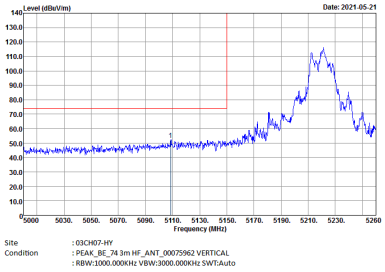
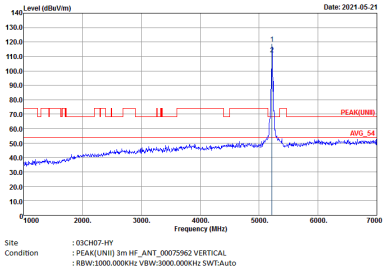
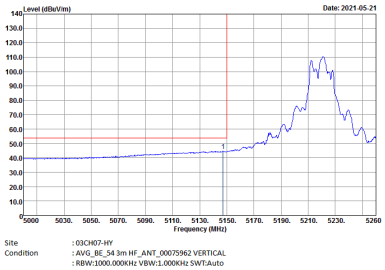
WIFI 802.11a (Band Edge @ 3m)

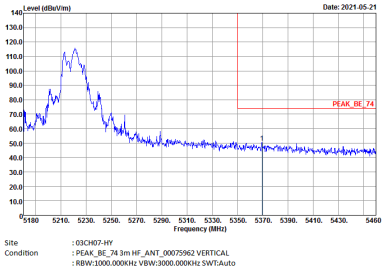
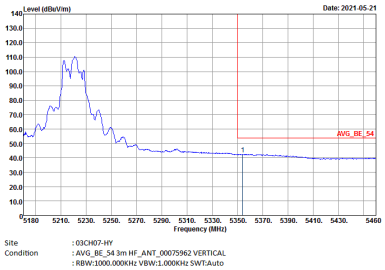
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

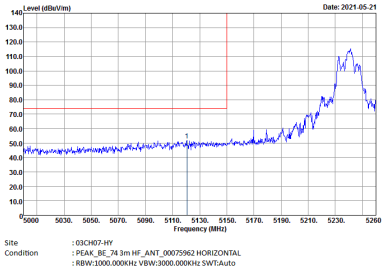
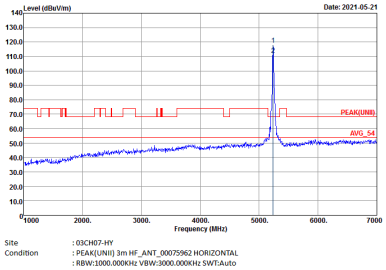
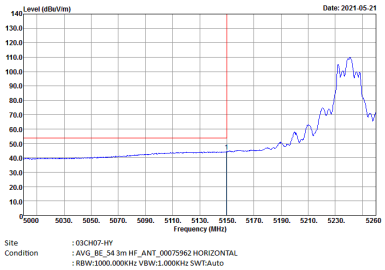
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

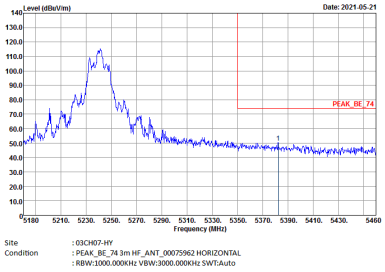
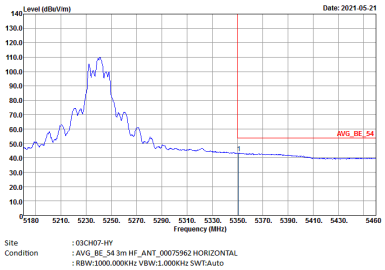
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

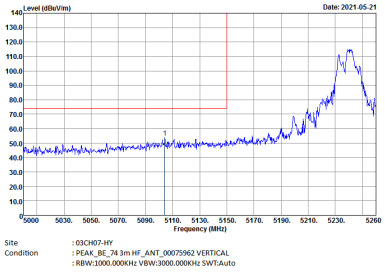
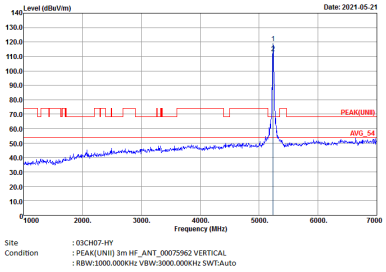
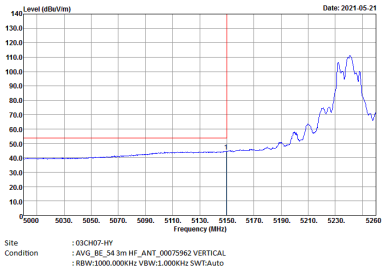
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

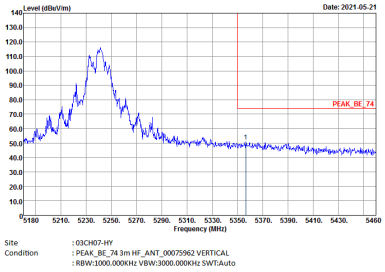
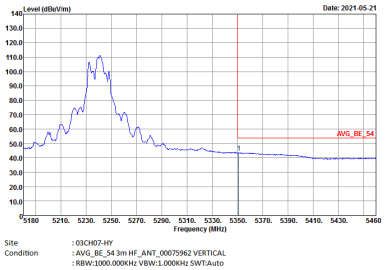
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

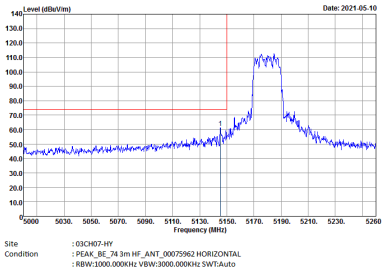
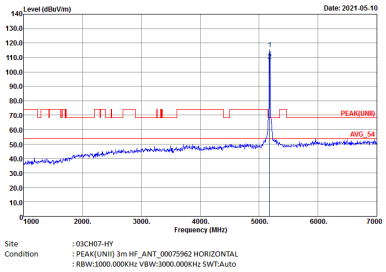
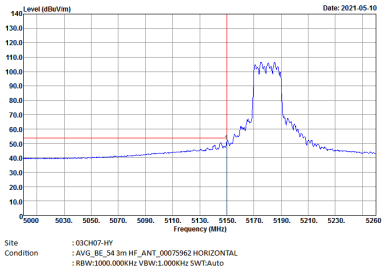
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

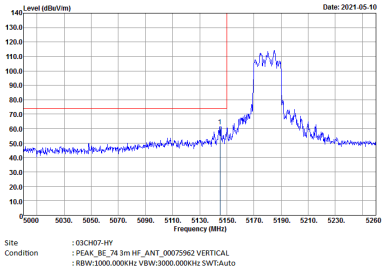
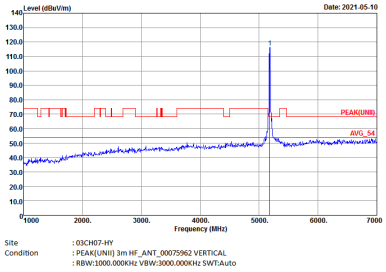
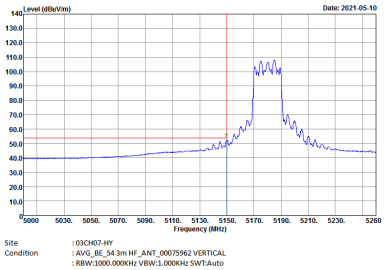
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

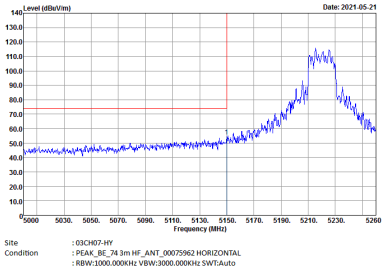
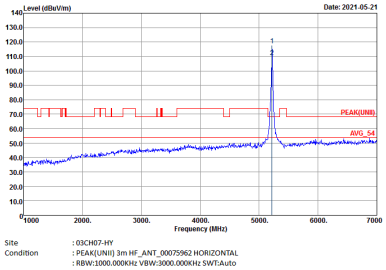
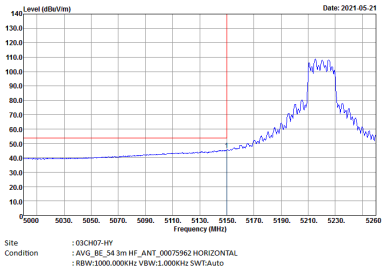
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

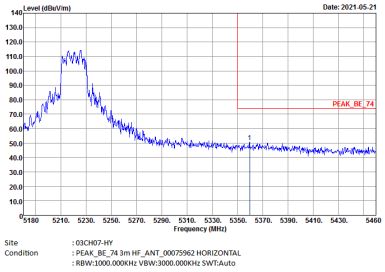
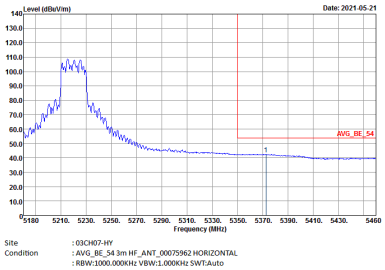
Band 1 5150~5250MHz

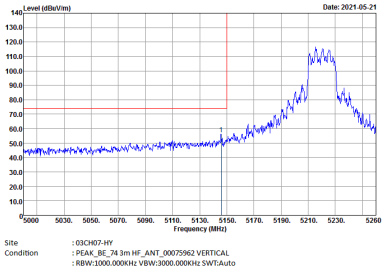
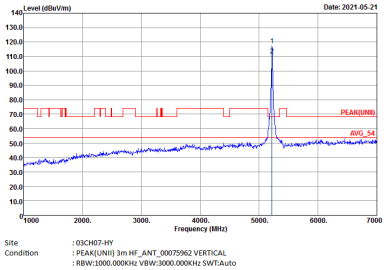
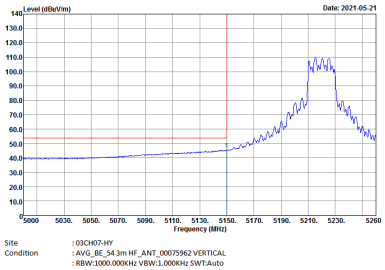
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

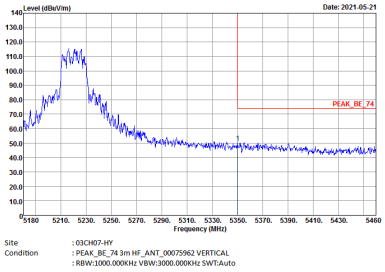
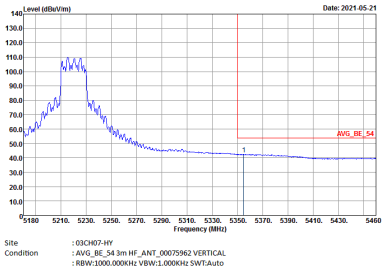
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

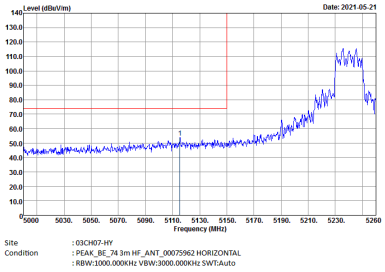
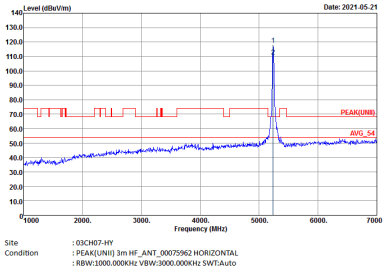
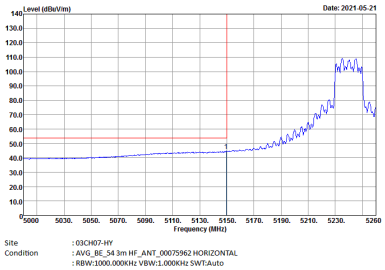
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

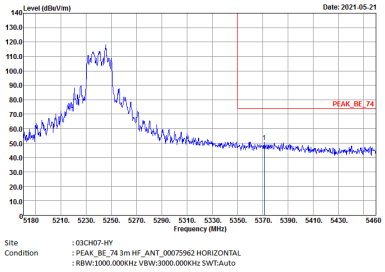
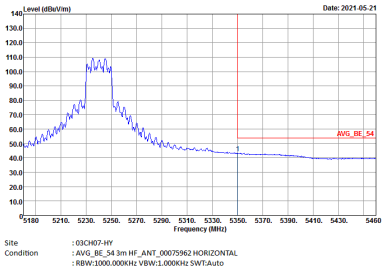
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank