FCC RADIO TEST REPORT

FCC ID	**:**	**2AG7G-J1A**
Equipment	**:**	**Plume Adaptive Wi-Fi**
Brand Name	**:**	**Plume Design, Inc.**
Model Name	**:**	**J1A**
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 Oct. 15, 2021 and testing was performed from Oct. 21, 2021 to Dec. 30, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory y, 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 from 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.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1O0638E	01	Initial issue of report	Jan. 18, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 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	1.08 dB under the limit at 11490.000 MHz
3.5	15.207	AC Conducted Emission	Pass	11.15 dB under the limit at 0.688 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 product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Danny Lee

Report Producer: Tina Chuang

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/n/ac/ax and UWB.

Product Feature	
Antenna Type	**WLAN** **<2400 MHz ~ 2483.5 MHz>** <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna **<5180 MHz ~ 5320 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna **<5500 MHz ~ 5720 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna **<5745 MHz ~ 5825 MHz>** <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna **<5925 MHz ~ 6425 MHz>** <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna <Ant. 7>: IFA Antenna <Ant. 8>: IFA Antenna **<6425 MHz ~ 6525 MHz>** <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna <Ant. 7>: IFA Antenna <Ant. 8>: IFA Antenna **<6525 MHz ~ 6875 MHz>** <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna <Ant. 7>: IFA Antenna <Ant. 8>: IFA Antenna **<6875 MHz ~ 7125 MHz>** <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna <Ant. 7>: IFA Antenna <Ant. 8>: IFA Antenna **Bluetooth - LE:** IFA Antenna **UWB:** IFA Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 1 : 4.3 Ant. 2 : 4.7 Ant. 3 : 2.4 Ant. 4 : 2.6

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY (TAF Code: 3786)
Remark	The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, 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 Z 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)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

The final test modes consider the modulation and the worst data rates as shown in the table below.

MIMO 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 : Bluetooth Link + WLAN (2.4GHz) Link + WLAN (5GHz) Link + WLAN (6GHz) Link + UWB Link + LAN Link + WAN Link

<CDD Mode>

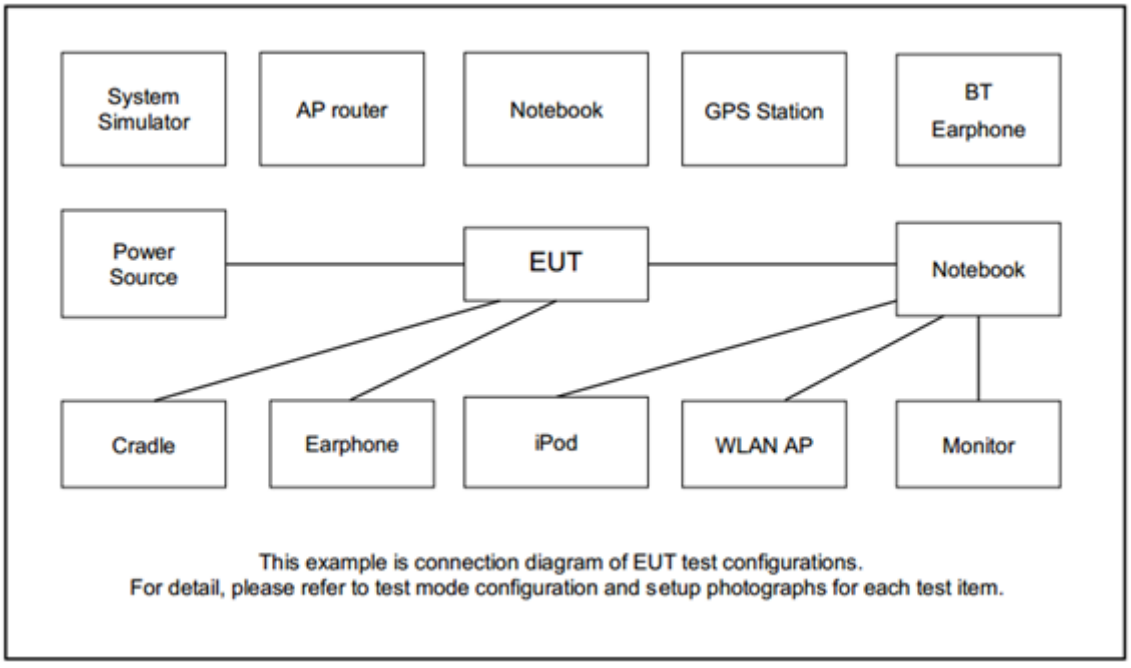
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

<TXBF Mode>

Ch. #		Band IV：5725-5850 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMW 500	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
3.	Notebook	Dell	P79G	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
4.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	PC	msi	9461NGW	PD99461NG	Unshielded, 3.0m	Unshielded, 1.8m
6.	Plume Adaptive Wi-Fi	Plume Design Inc.	J1A	2AG7G-J1A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QSPR Version 5.0-00198” 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 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

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

26dB and 99% Occupied bandwidth are reporting only.

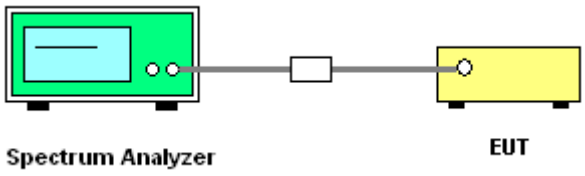
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup

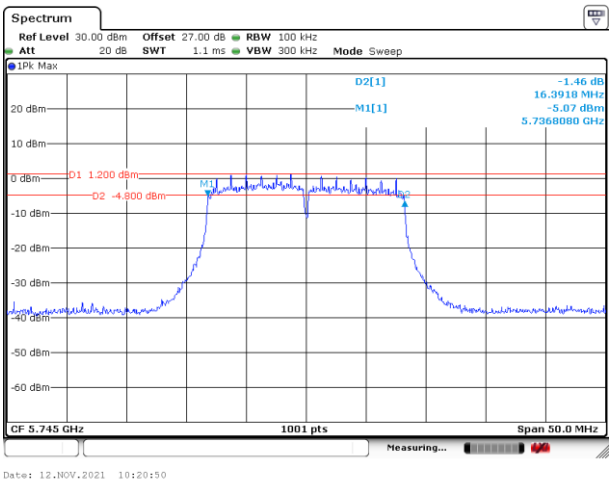
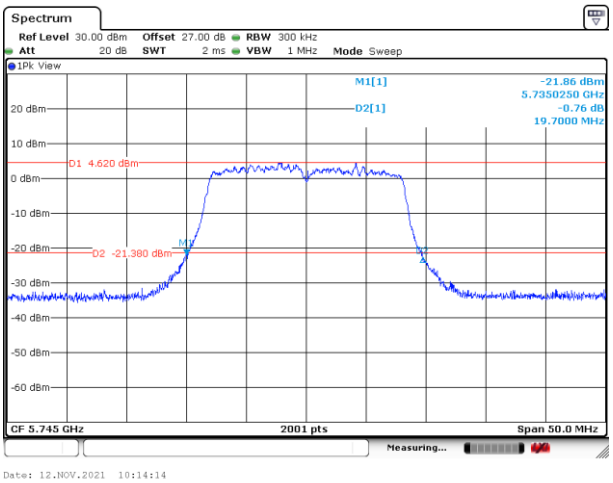
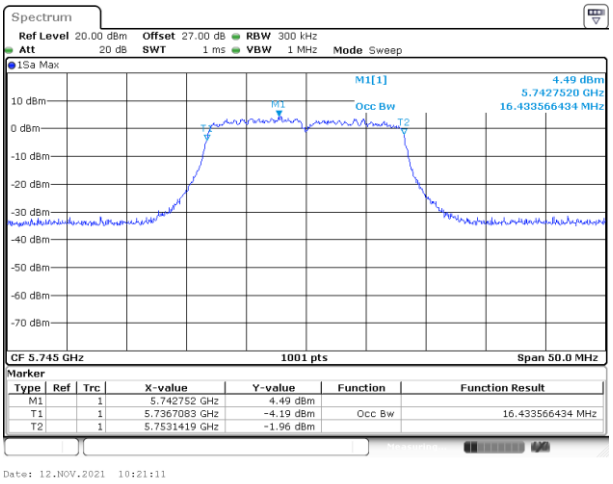


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

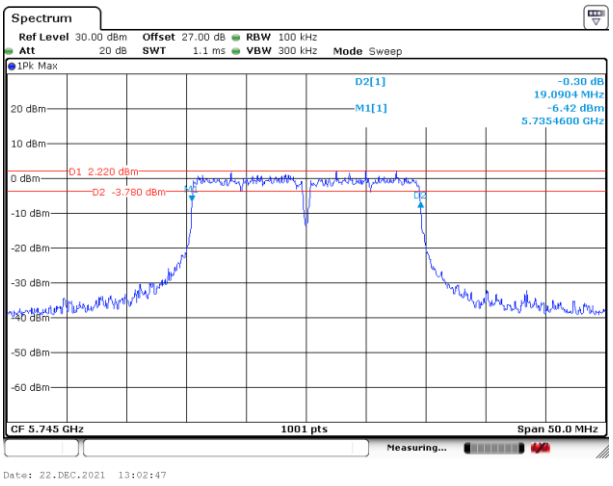
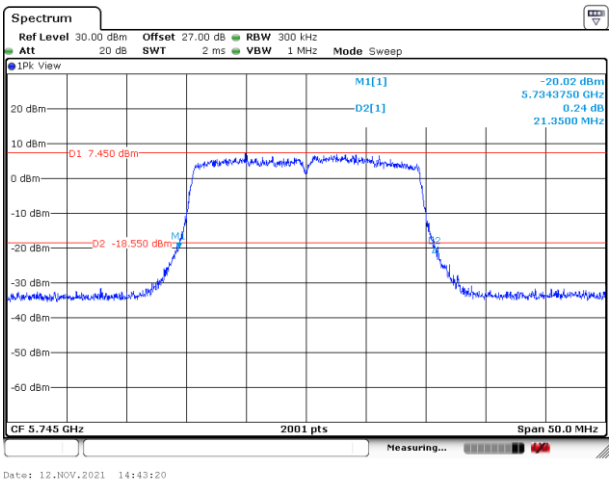
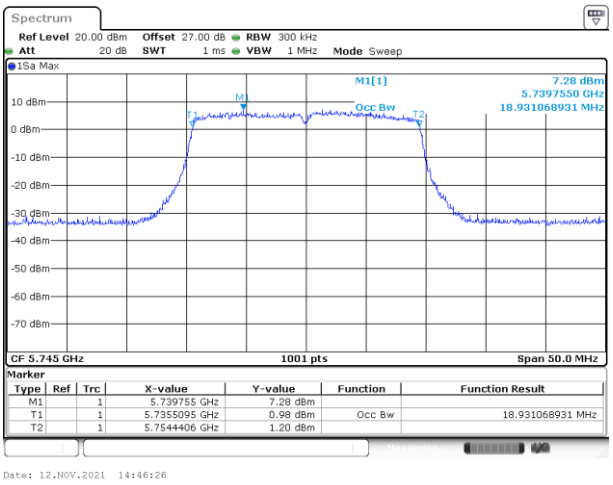
<CDD Mode>

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

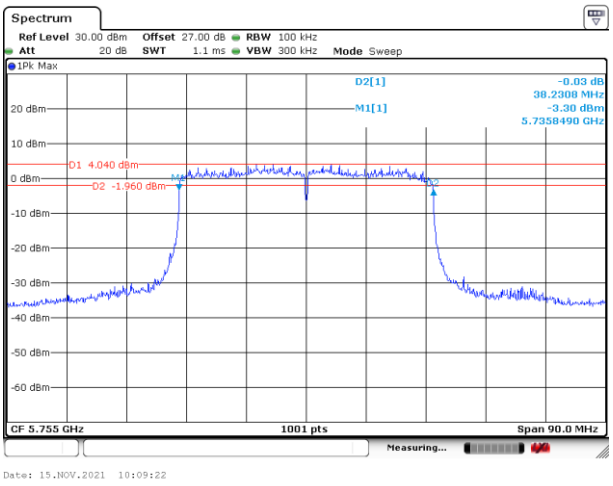
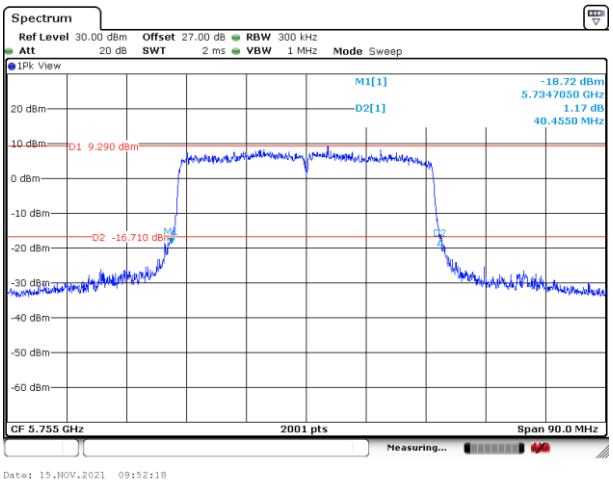
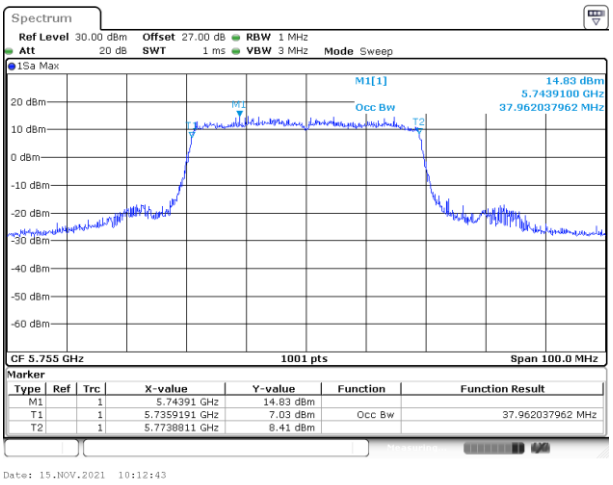
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

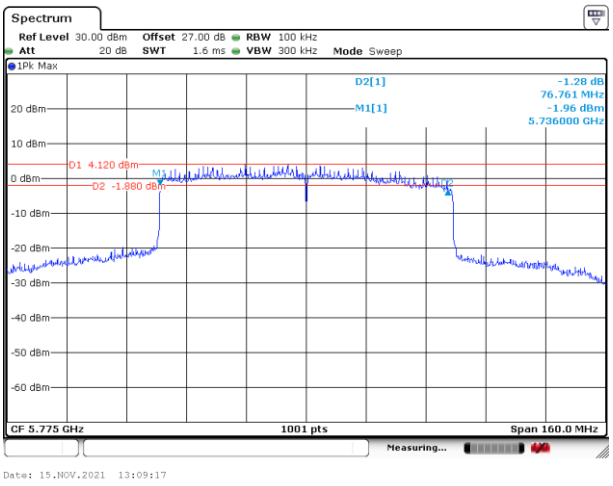
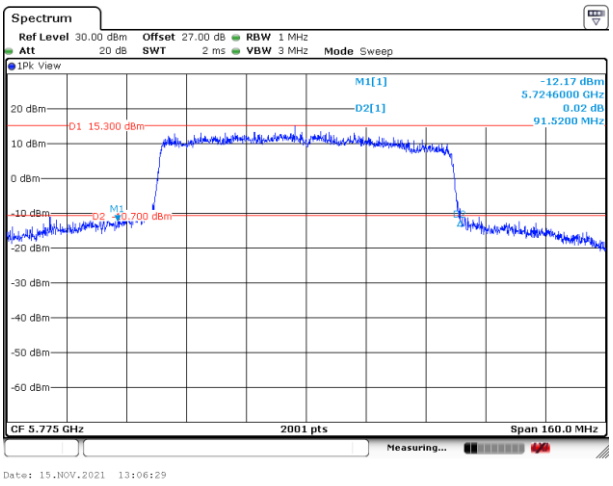
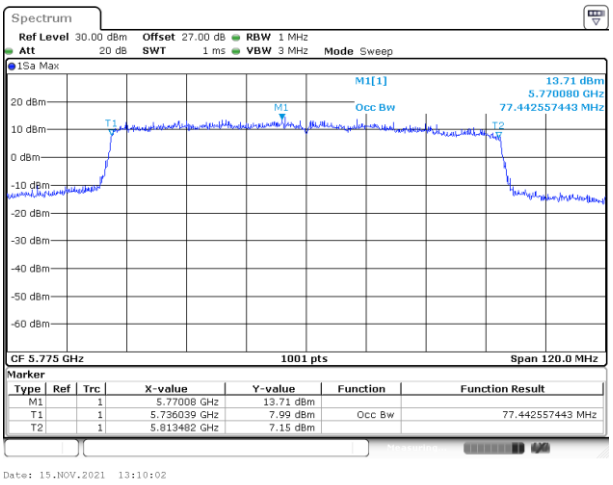
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

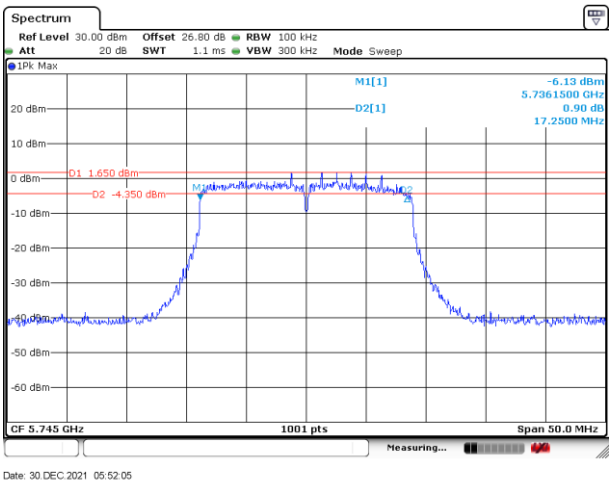
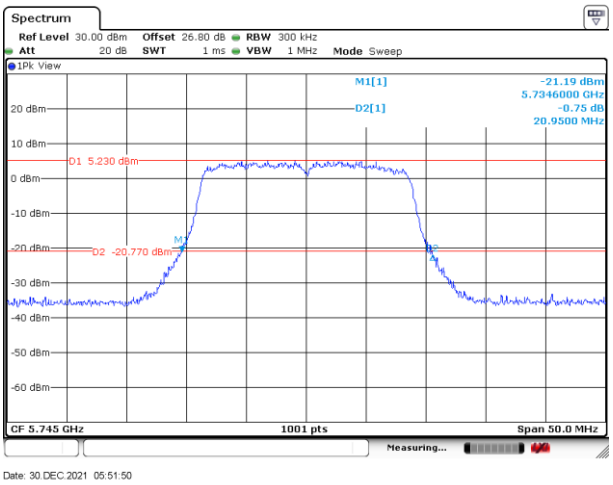
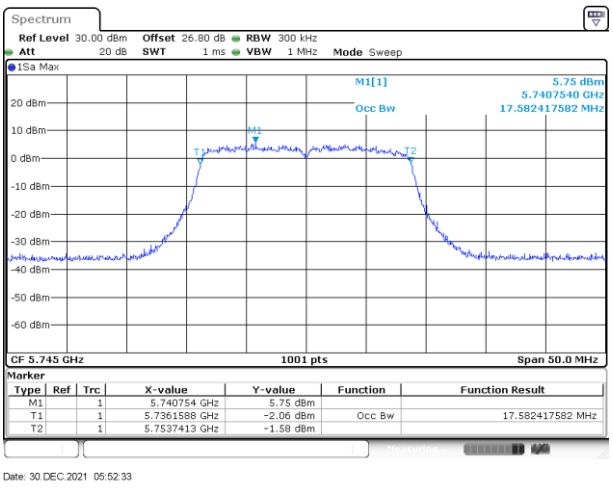
<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

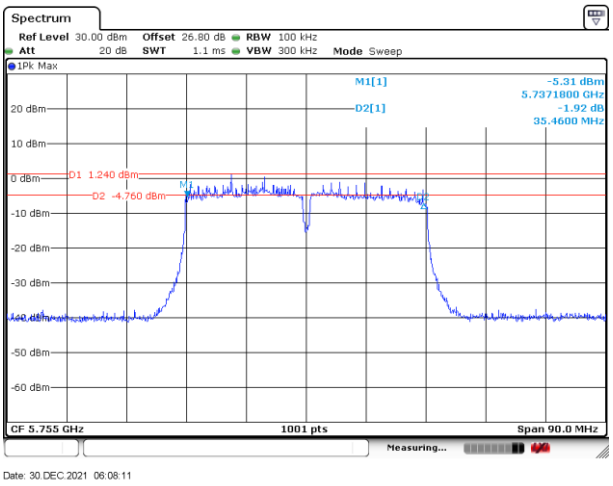
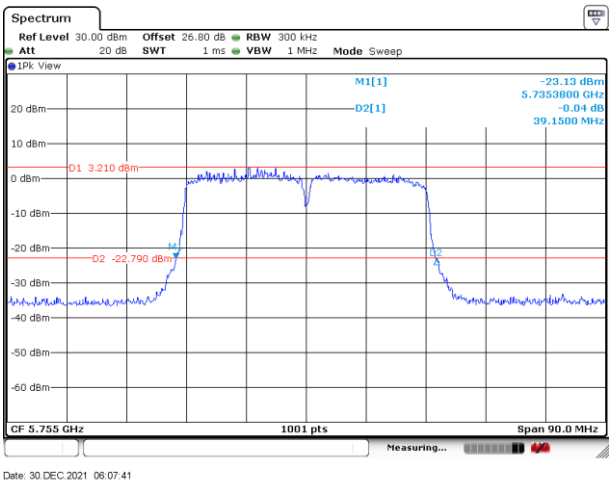
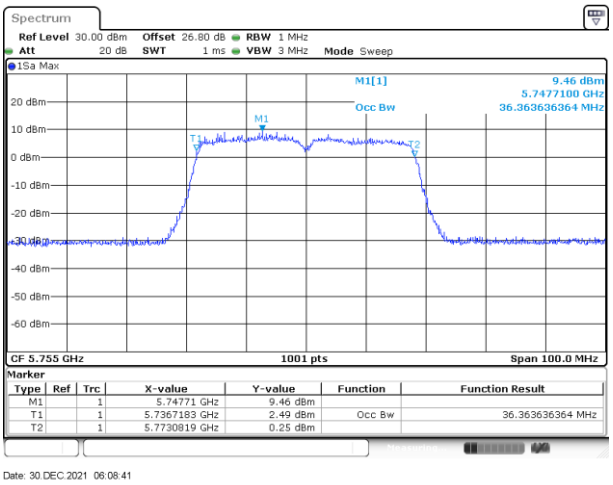
<TXBF Modes>

<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

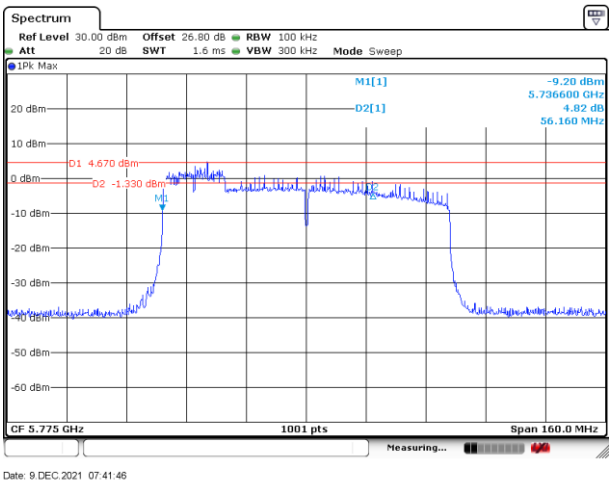
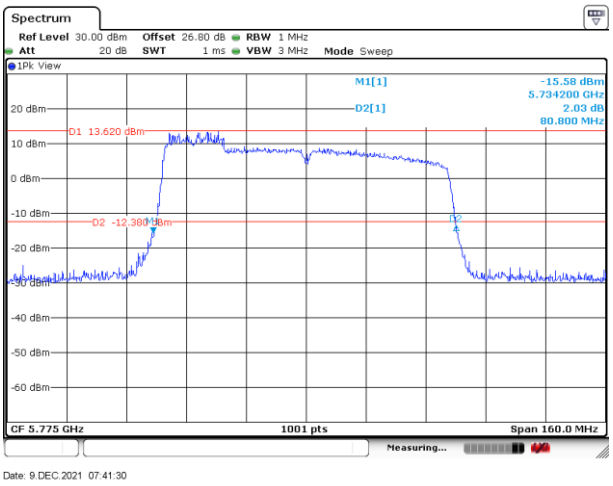
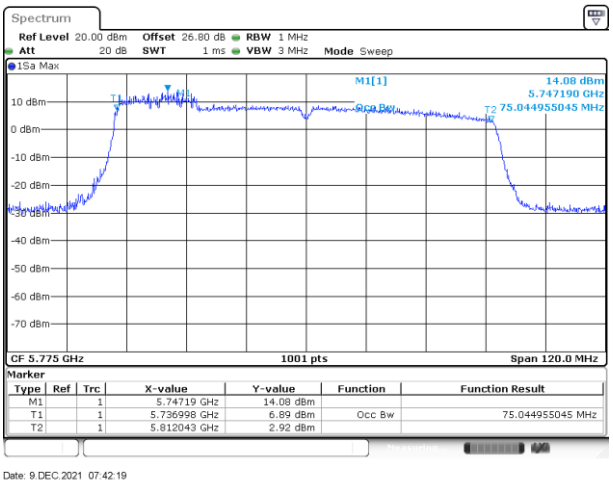
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

3.2.2 Measuring Instruments

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

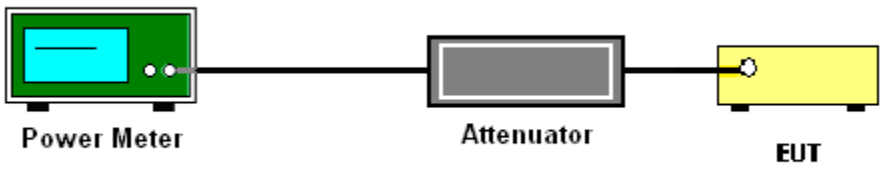
3.2.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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

Please refer to the measuring equipment list in 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.

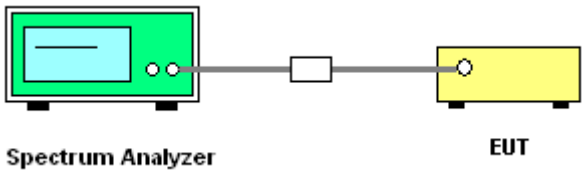
 # Method SA-3 #

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- 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 is 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 (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup

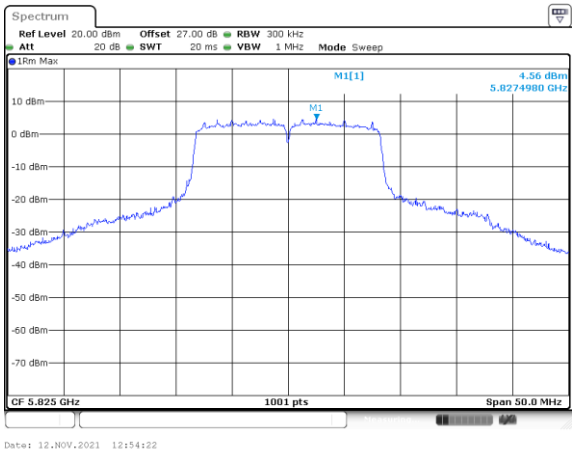
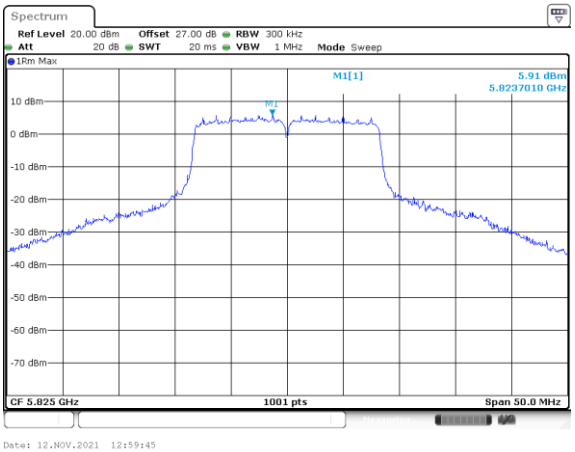


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<CDD Modes>

<802.11a>

Worst Case Power Density (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	
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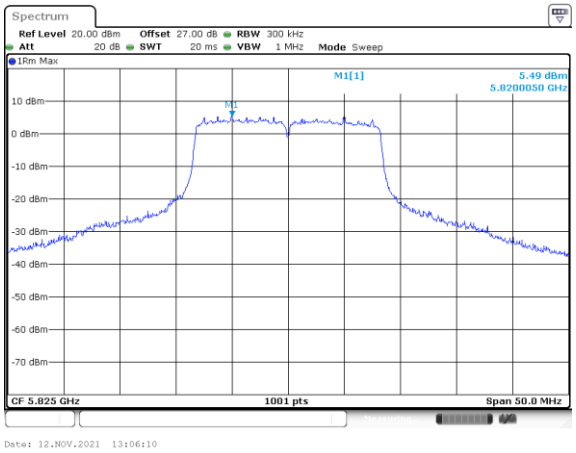	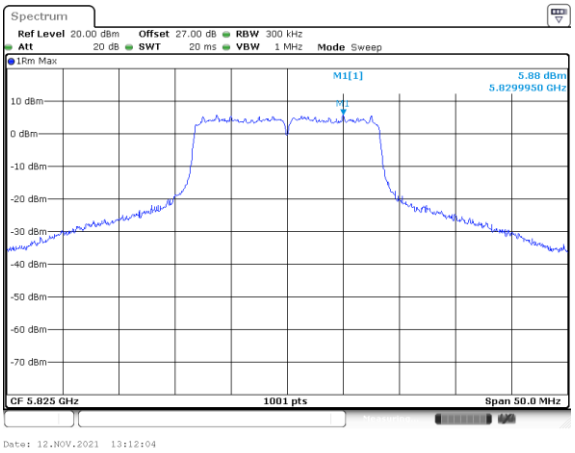

<802.11ax HE20>

Worst Case Power Density (dBm/MHz)	
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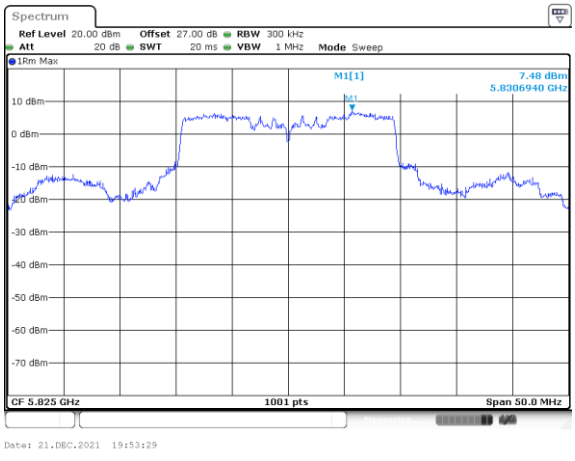	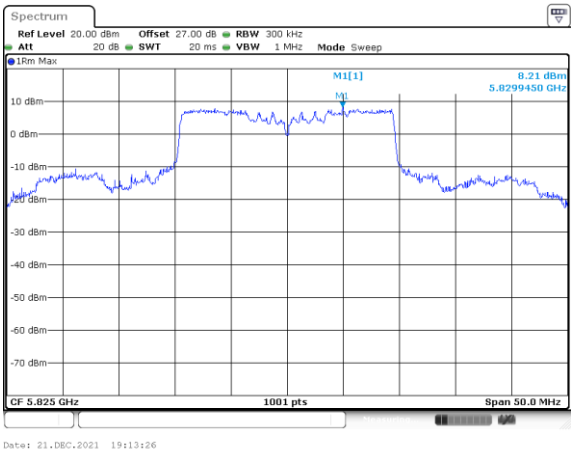
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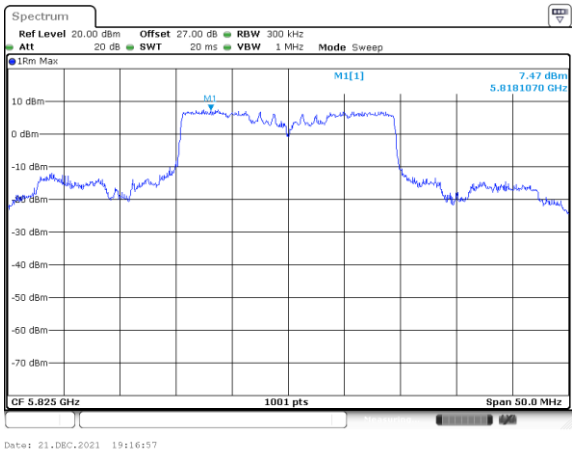	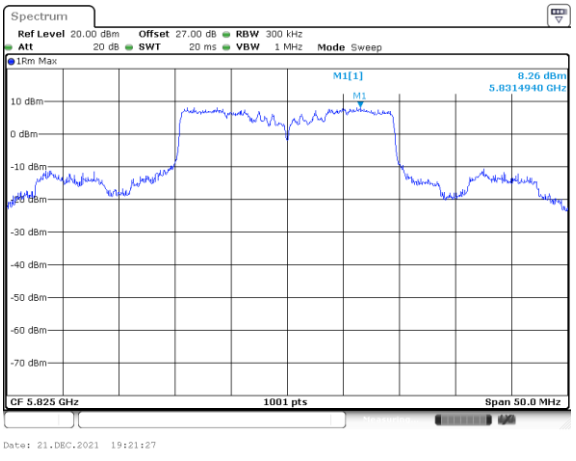

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Worst Case Power Density (dBm/MHz)	
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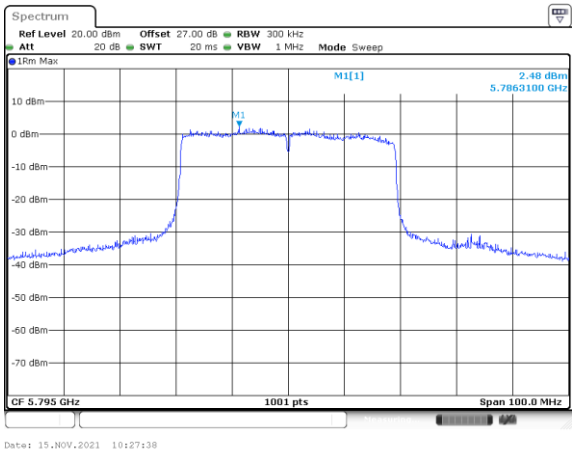
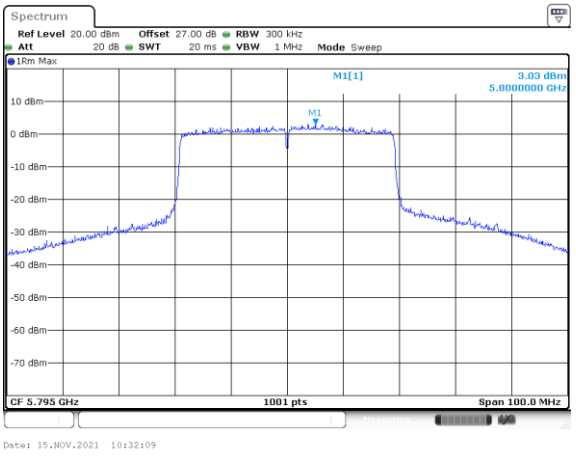
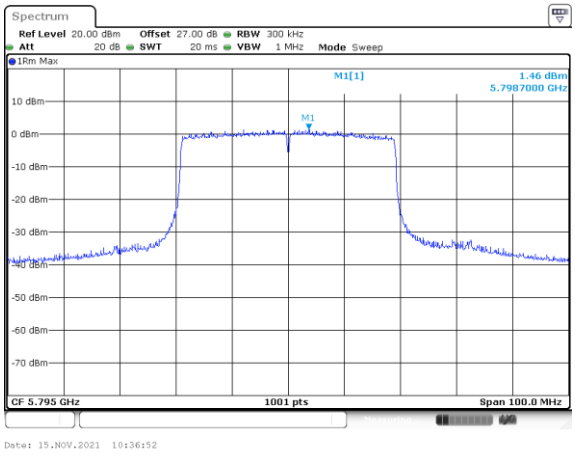
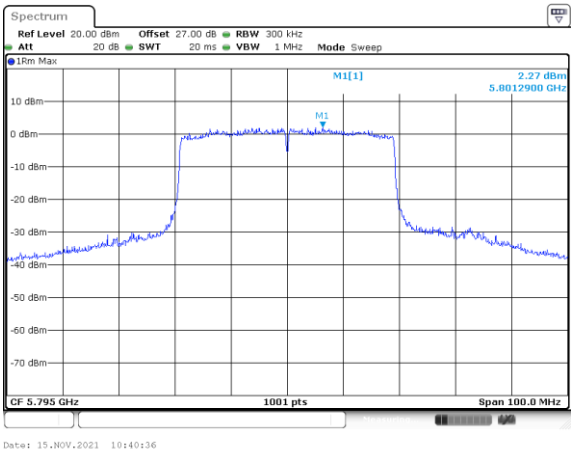
	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11ax HE80>

Worst Case Power Density (dBm/MHz)	
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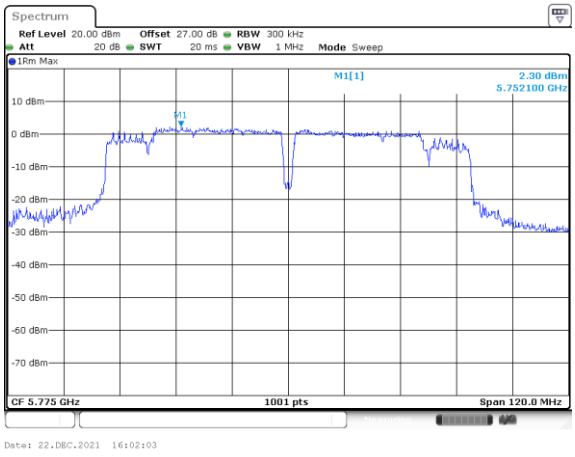	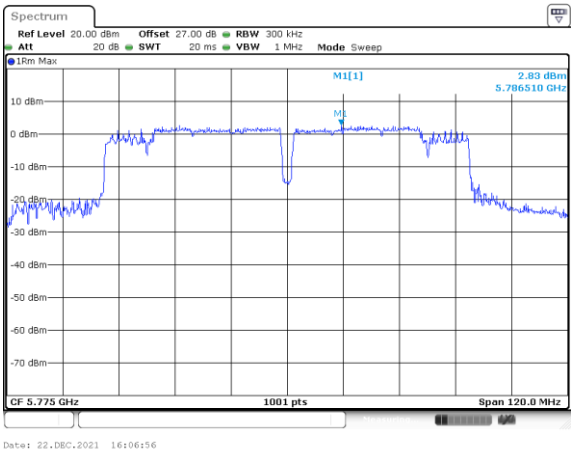
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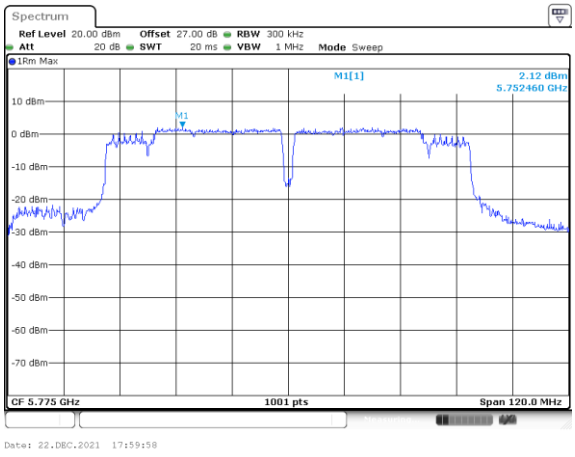	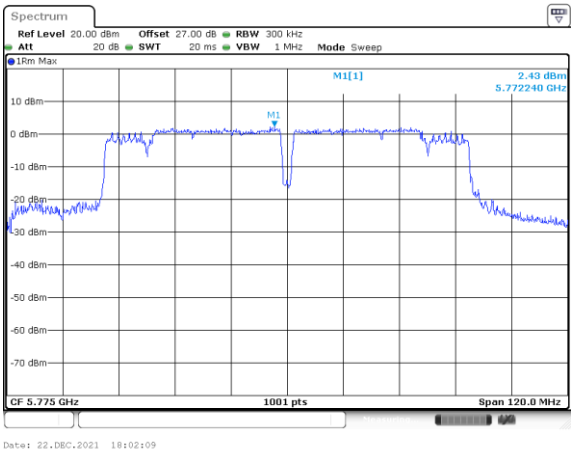

<TXBF Modes>

<802.11ax HE20>

Worst Case Power Density (dBm/MHz)	
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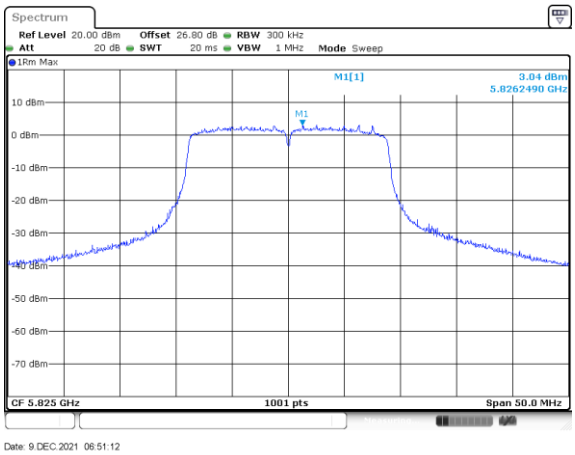
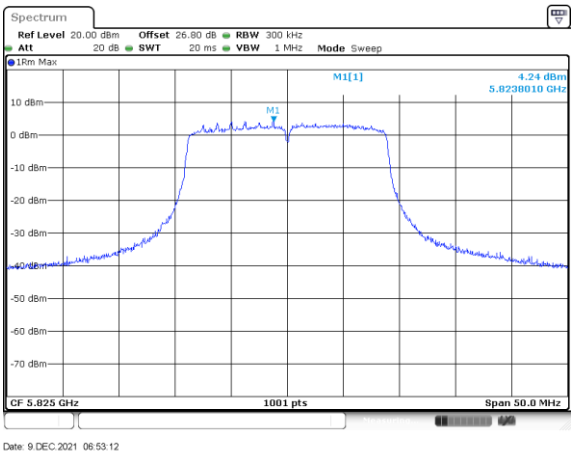
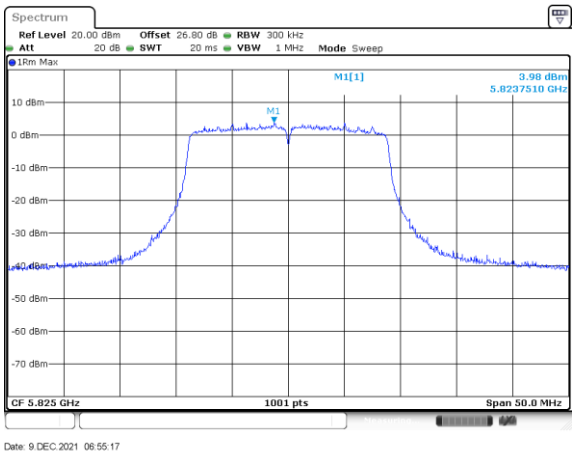
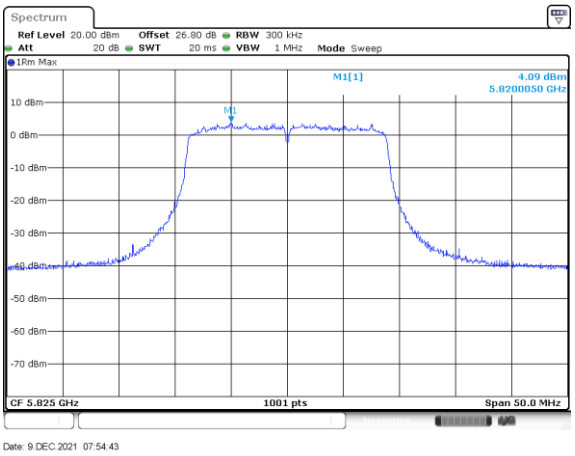
	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11ax HE40>

Worst Case Power Density (dBm/MHz)	
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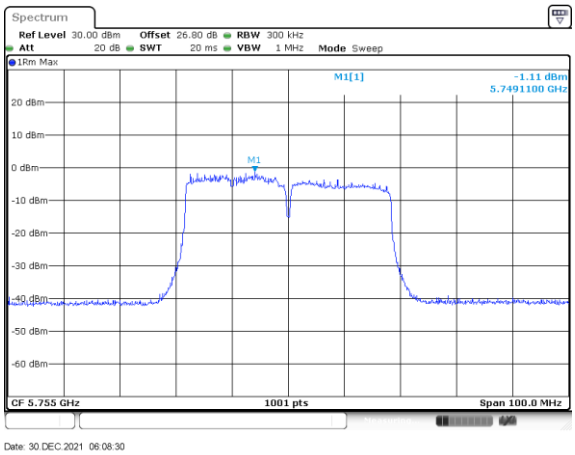	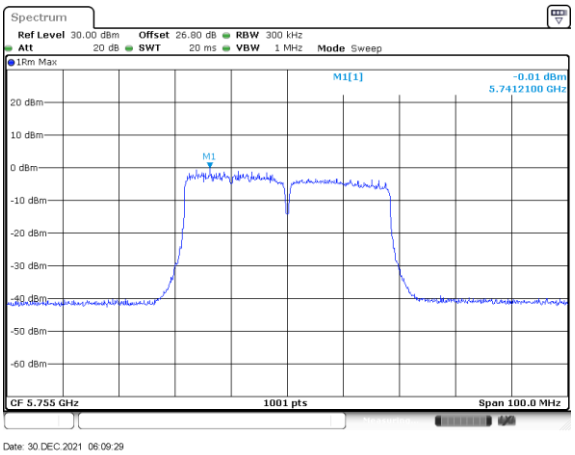
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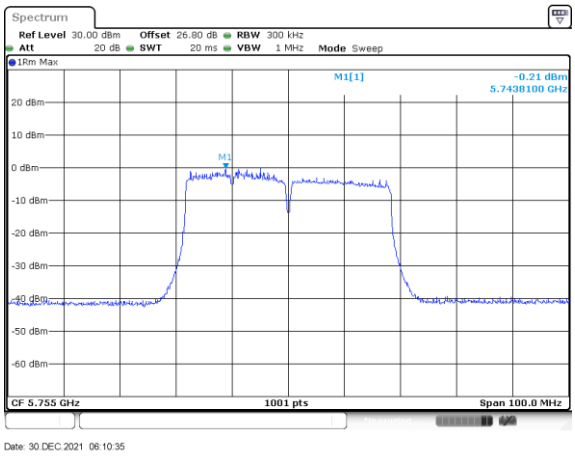	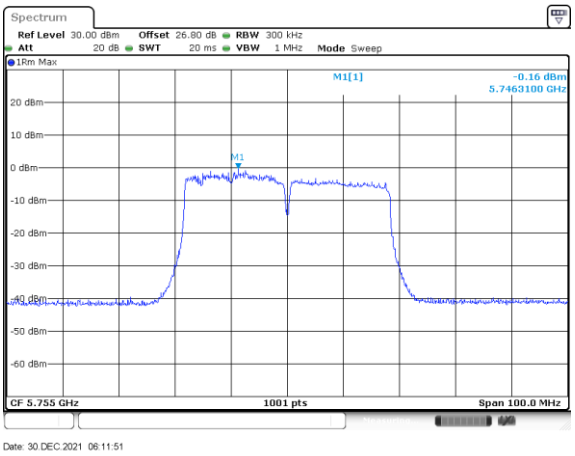

<802.11ax HE80>

Worst Case Power Density (dBm/MHz)	
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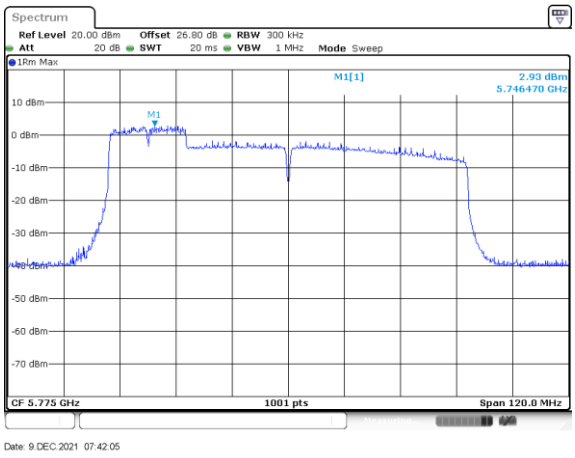
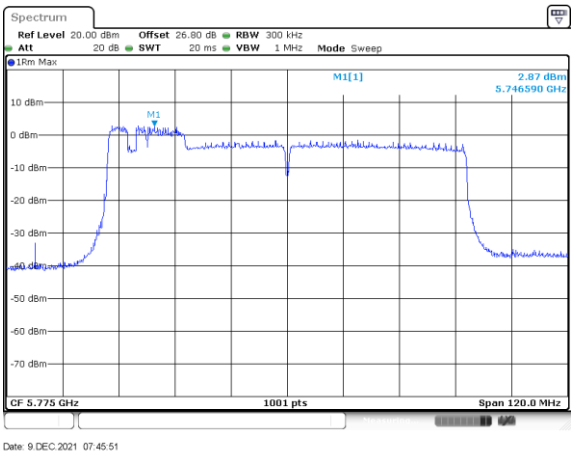
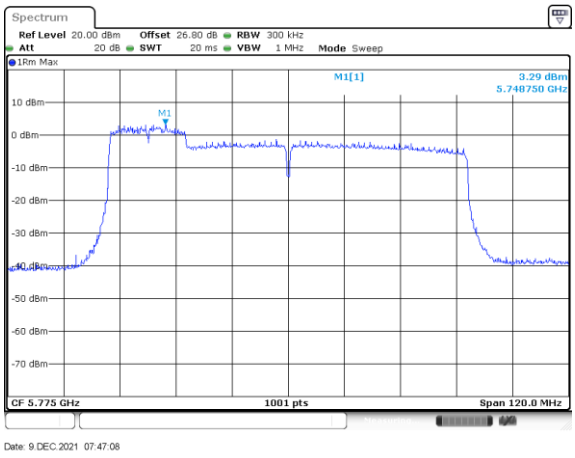
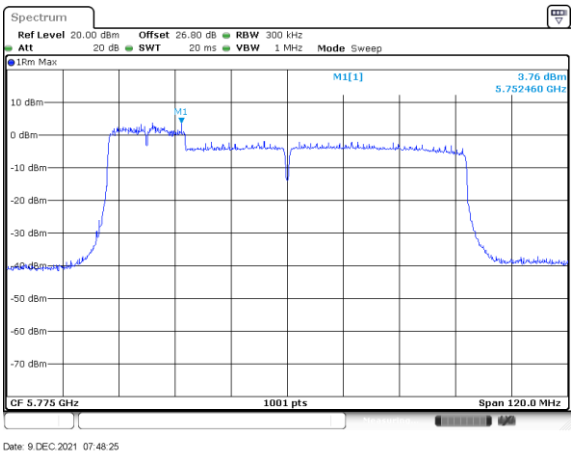
	
MIMO Ant. 3	**MIMO Ant. 4**
	

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 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions falls 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

Please refer to the measuring equipment list in 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

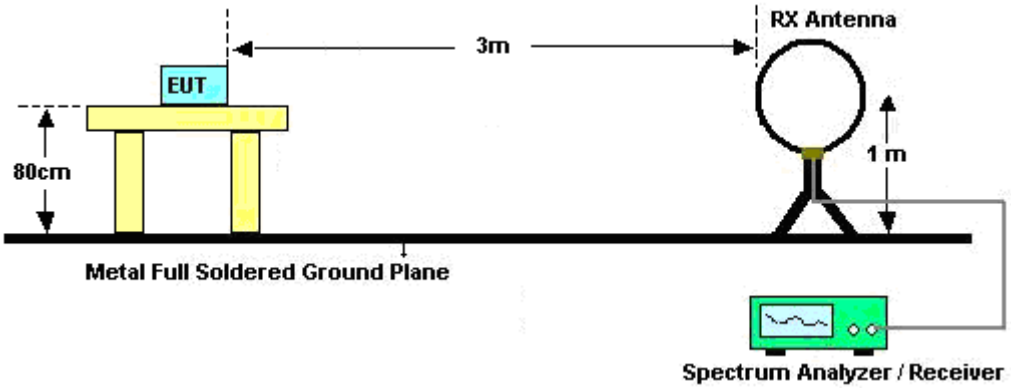
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (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 is 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 is set 3 meters away from the receiving antenna which is 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 is 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. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading.
   When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“..
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

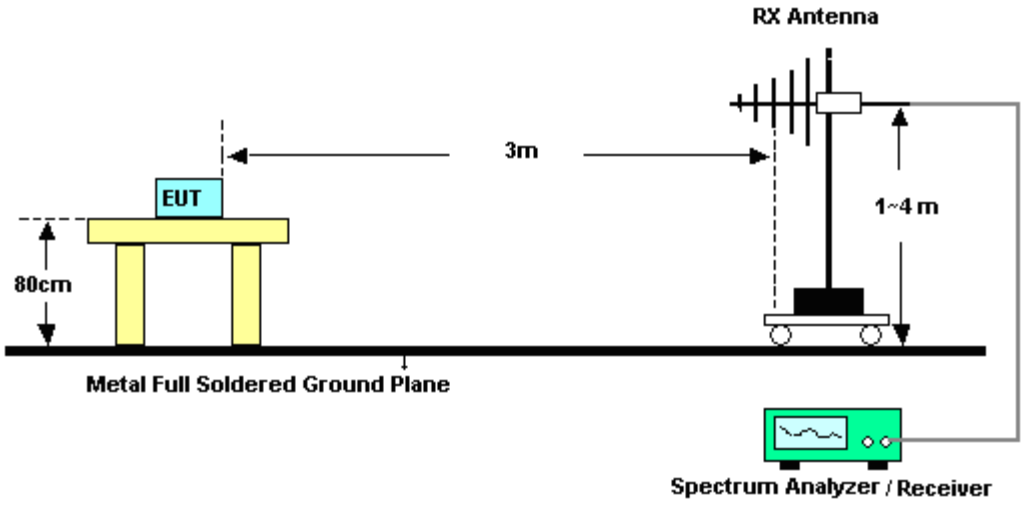
3.4.4 Test Setup

For radiated emissions below 30MHz

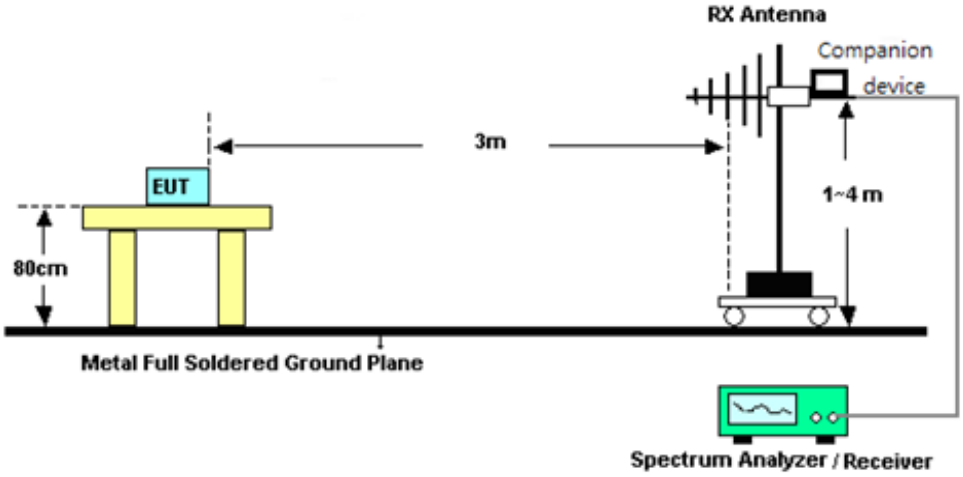


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

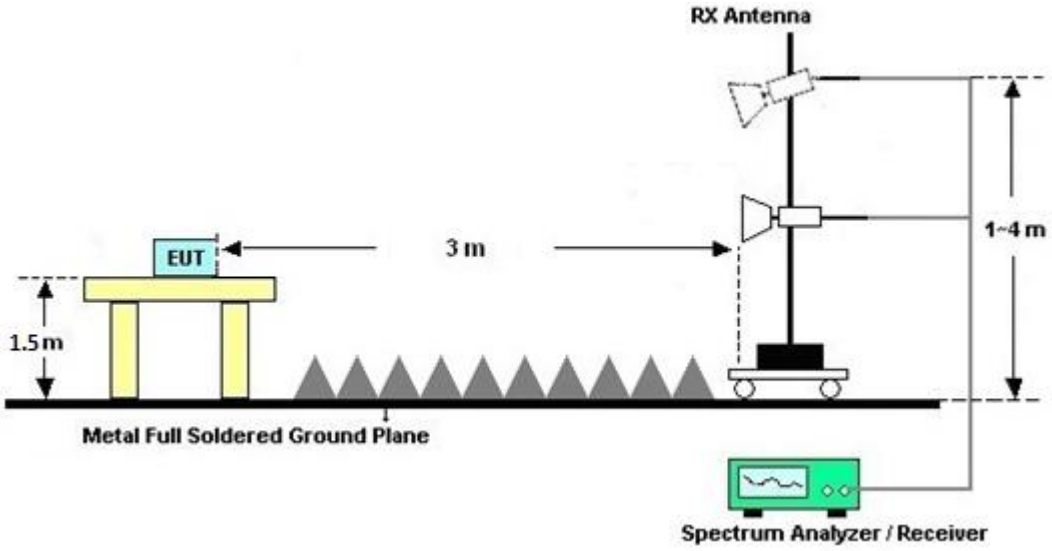


<TXBF Modes>



For radiated test from 1GHz to 18GHz

<CDD Mode>



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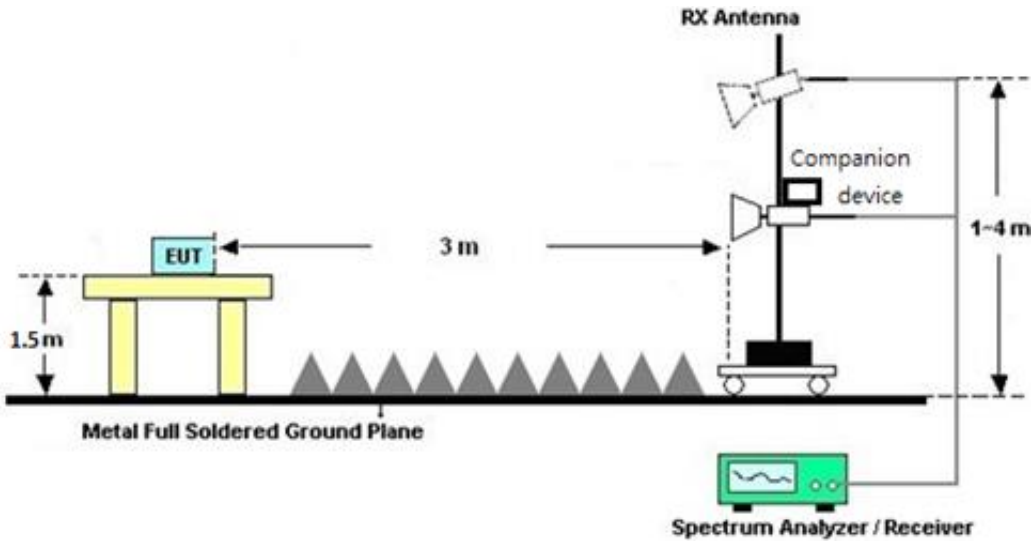
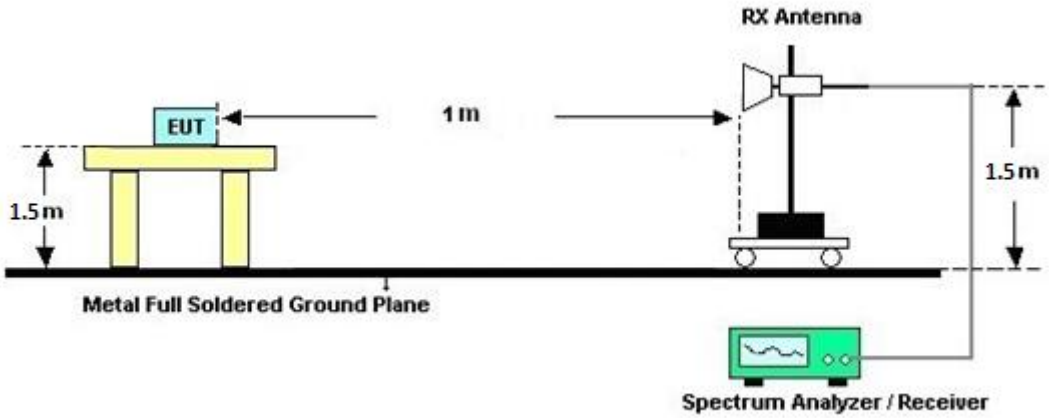


For radiated test above 18GHz

<CDD Mode>



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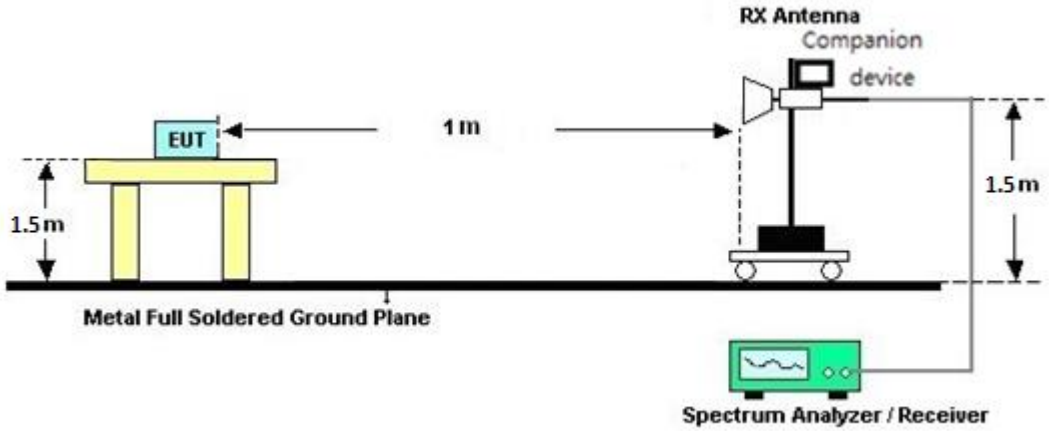


3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is 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 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 Unwanted Radiated Emission (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.

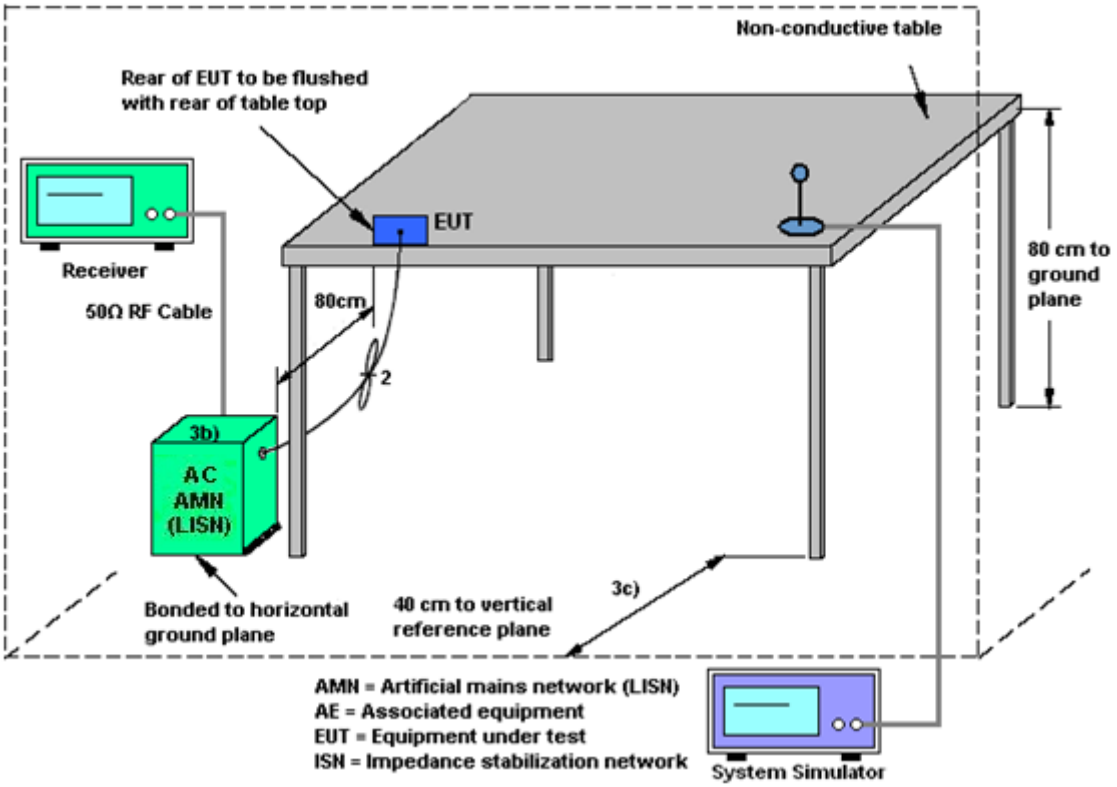
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain “DG” is calculated as following table.

<CDD Modes>

	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)
Band IV	4.30	4.70	2.40	2.60	4.70	9.58	0.00	3.58

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

PSD Limit Reduction = DG(PSD) – 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.

	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)
Band IV	4.30	4.70	2.40	2.60	9.58	9.58	3.58	3.58

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Oct. 21, 2021~ Dec. 27, 2021	Jan. 03, 2022	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Oct. 21, 2021~ Dec. 27, 2021	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2020	Oct. 21, 2021~ Nov. 28, 2021	Nov. 30, 2021	Radiation (03CH07-HY)
Horn Antenna	ESCO	3117	00066584	1GHz~18GHz	Oct. 25, 2021	Nov. 29, 2021~ Dec. 27, 2021	Oct. 24, 2022	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 02, 2020	Oct. 21, 2021~ Nov. 29, 2021	Dec. 01, 2021	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Nov. 30, 2021~ Dec. 27, 2021	Nov. 29, 2022	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Oct. 21, 2021~ Dec. 27, 2021	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Oct. 21, 2021~ Dec. 27, 2021	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Oct. 21, 2021~ Dec. 27, 2021	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 23, 2021	Oct. 21, 2021~ Dec. 27, 2021	Jul. 22, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	Oct. 21, 2021~ Dec. 27, 2021	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682-4	30MHz to 18GHz	Feb. 24, 2021	Oct. 21, 2021~ Dec. 27, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971-4	9kHz to 18GHz	Feb. 24, 2021	Oct. 21, 2021~ Dec. 27, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655-4	9kHz to 18GHz	Feb. 24, 2021	Oct. 21, 2021~ Dec. 27, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2,801606/2	18GHz~40GHz	Feb. 24, 2021	Oct. 21, 2021~ Dec. 27, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Oct. 21, 2021~ Dec. 27, 2021	Sep. 16, 2022	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Oct. 21, 2021~ Dec. 27, 2021	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Oct. 21, 2021~ Dec. 27, 2021	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Oct. 21, 2021~ Dec. 27, 2021	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 09, 2021	Oct. 21, 2021~ Dec. 27, 2021	Mar. 08, 2022	Radiation (03CH07-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO31(NO:182)	10MHz~6GHz	Dec. 30, 2020	Nov. 11, 2021 Dec. 22, 2021	Dec. 29, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101002(NO:123)	10MHz~8GHz	Feb. 03, 2021	Dec. 08, 2021 Dec. 30, 2021	Feb. 02, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 11, 2021 Dec. 30, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Jan. 07, 2021	Nov. 11, 2021 Dec. 30, 2021	Jan. 06, 2022	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 14, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Dec. 14, 2021	Nov. 30, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Dec. 14, 2021	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Dec. 14, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Dec. 14, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Dec. 14, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.0 dB**

Appendix A. Test Result of Conducted Test Items

<CDD Mode>

Test Engineer	Eason Huang	Temperature	21~24	°C
Test Date	2021/11/11~2021/12/22	Relative Humidity	52~56	%

TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4																		
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	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	4	149	5745	19.70	19.70	19.55	19.58	16.39	16.39	16.39	16.39	16.43	16.43	16.43	16.43	0.5	Pass
11a	6Mbps	4	157	5785	19.53	19.55	19.63	19.55	16.09	16.39	16.39	16.39	16.48	16.48	16.43	16.43	0.5	Pass
11a	6Mbps	4	165	5825	25.80	22.23	20.90	21.28	16.39	16.39	16.34	16.39	16.73	16.68	16.53	16.58	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted 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	149	5745	13.10	14.30	14	14.30	19.97	30.00	4.70	Pass
11a	6Mbps	4	157	5785	14.40	14.90	14.6	15.00	20.75	30.00	4.70	Pass
11a	6Mbps	4	165	5825	18.50	19.80	19.5	19.70	25.43	30.00	4.70	Pass
HT20	MCS0	4	149	5745	14.00	15.20	15	15.00	20.84	30.00	4.70	Pass
HT20	MCS0	4	157	5785	15.40	15.90	15.7	15.90	21.75	30.00	4.70	Pass
HT20	MCS0	4	165	5825	19.50	20.90	20.5	21.00	26.53	30.00	4.70	Pass
HT40	MCS0	4	151	5755	16.80	18.00	17.5	17.60	23.52	30.00	4.70	Pass
HT40	MCS0	4	159	5795	18.50	19.30	18.4	18.90	24.81	30.00	4.70	Pass
VHT20	MCS0	4	149	5745	14.00	15.20	15	15.00	20.84	30.00	4.70	Pass
VHT20	MCS0	4	157	5785	15.40	15.90	15.7	15.90	21.75	30.00	4.70	Pass
VHT20	MCS0	4	165	5825	19.50	20.90	20.5	21.00	26.53	30.00	4.70	Pass
VHT40	MCS0	4	151	5755	16.80	18.00	17.5	17.60	23.52	30.00	4.70	Pass
VHT40	MCS0	4	159	5795	18.50	19.30	18.4	18.90	24.81	30.00	4.70	Pass
VHT80	MCS0	4	155	5775	20.40	21.70	20.9	21.10	27.07	30.00	4.70	Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	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	149	5745	1.18	2.33	2.52	2.56	8.58	26.42	9.58	Pass
11a	6Mbps	4	157	5785	2.43	3.07	3.18	3.32	9.34	26.42	9.58	Pass
11a	6Mbps	4	165	5825	6.78	8.13	7.71	8.10	14.15	26.42	9.58	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2, Ant. 3, Ant. 4) + 10 log (n)

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TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4																			
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU tone	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	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	4	149	5745	Full	21.35	21.13	21.53	21.13	19.09	18.99	19.04	18.84	18.93	18.93	18.98	18.93	0.5	Pass
HE20	MCS0	4	149	5745	M	23.13	22.58	23.10	23.15	19.09	19.09	19.14	19.04	19.13	19.08	19.08	19.18	0.5	Pass
HE20	MCS0	4	149	5745	BE	20.03	20.35	19.65	20.15	17.64	17.04	17.64	15.79	17.33	17.38	17.33	17.33	0.5	Pass
HE20	MCS0	4	157	5785	Full	21.80	21.25	21.23	21.15	18.54	18.99	18.99	19.09	18.88	18.93	18.93	18.93	0.5	Pass
HE20	MCS0	4	157	5785	M	23.45	23.40	23.65	22.68	19.05	19.09	19.04	19.09	19.18	19.23	19.13	19.08	0.5	Pass
HE20	MCS0	4	157	5785	BE	20.35	20.98	19.48	19.98	15.19	17.59	17.64	16.39	17.38	17.38	17.33	17.28	0.5	Pass
HE20	MCS0	4	165	5825	Full	37.45	33.28	31.33	31.80	18.74	18.84	18.84	18.74	19.53	19.38	19.18	19.23	0.5	Pass
HE20	MCS0	4	165	5825	M	49.11	48.23	46.59	47.44	19.04	19.09	19.04	19.09	36.41	33.97	30.17	33.97	0.5	Pass
HE20	MCS0	4	165	5825	BE	25.90	24.20	24.25	22.60	17.24	15.79	17.59	15.23	17.58	17.48	17.48	17.58	0.5	Pass
HE40	MCS0	4	151	5755	Full	40.46	40.64	41.00	40.64	38.23	38.14	38.14	38.05	37.96	37.96	37.96	38.06	0.5	Pass
HE40	MCS0	4	151	5755	M	43.92	43.11	44.69	43.52	38.23	38.23	38.32	38.14	38.96	38.96	39.06	38.86	0.5	Pass
HE40	MCS0	4	151	5755	BE	40.37	41.49	39.56	39.74	35.26	36.25	36.25	35.26	37.16	37.46	37.26	37.16	0.5	Pass
HE40	MCS0	4	159	5795	Full	41.00	40.91	41.18	41.18	37.87	38.05	38.05	38.14	38.06	38.26	38.06	38.16	0.5	Pass
HE40	MCS0	4	159	5795	M	42.53	44.01	44.01	42.03	38.14	38.23	38.23	38.23	39.26	39.26	38.96	38.76	0.5	Pass
HE40	MCS0	4	159	5795	BE	40.86	42.48	40.50	40.59	36.43	36.25	36.25	36.25	37.26	37.56	37.26	37.36	0.5	Pass
HE80	MCS0	4	155	5775	Full	91.52	141.68	93.04	116.48	76.76	77.88	78.04	78.04	77.44	77.80	77.44	77.68	0.5	Pass
HE80	MCS0	4	155	5775	M	99.12	104.56	99.76	102.72	78.52	78.68	78.48	78.68	78.16	78.64	78.40	78.52	0.5	Pass
HE80	MCS0	4	155	5775	BE	106.96	141.44	115.12	140.80	76.60	76.92	77.24	77.40	76.36	77.20	76.72	76.96	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU tone	Average Conducted Power (dBm)					FCC Conducted 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	149	5745	Full	14.10	15.30	15.10	15.10	20.94	30.00	4.70	Pass
HE20	MCS0	4	149	5745	M	10.50	11.30	11.20	11.30	17.11	30.00	4.70	Pass
HE20	MCS0	4	149	5745	BE	11.50	12.20	12.00	11.80	17.90	30.00	4.70	Pass
HE20	MCS0	4	157	5785	Full	15.50	16.00	15.80	16.00	21.85	30.00	4.70	Pass
HE20	MCS0	4	157	5785	M	14.40	14.80	14.40	14.60	20.57	30.00	4.70	Pass
HE20	MCS0	4	157	5785	BE	14.70	15.10	14.80	15.20	20.98	30.00	4.70	Pass
HE20	MCS0	4	165	5825	Full	19.60	21.00	20.60	21.10	26.63	30.00	4.70	Pass
HE20	MCS0	4	165	5825	M	18.80	20.00	19.70	20.00	25.67	30.00	4.70	Pass
HE20	MCS0	4	165	5825	BE	17.90	18.90	18.40	18.70	24.51	30.00	4.70	Pass
HE40	MCS0	4	151	5755	Full	16.90	18.10	17.60	17.70	23.62	30.00	4.70	Pass
HE40	MCS0	4	151	5755	M	14.60	15.90	15.20	15.50	21.35	30.00	4.70	Pass
HE40	MCS0	4	151	5755	BE	12.90	13.80	13.30	13.70	19.46	30.00	4.70	Pass
HE40	MCS0	4	159	5795	Full	18.60	19.40	18.50	19.00	24.91	30.00	4.70	Pass
HE40	MCS0	4	159	5795	M	16.50	17.30	16.50	16.90	22.83	30.00	4.70	Pass
HE40	MCS0	4	159	5795	BE	15.70	16.30	15.70	16.30	22.03	30.00	4.70	Pass
HE80	MCS0	4	155	5775	Full	20.50	21.80	21.00	21.20	27.17	30.00	4.70	Pass
HE80	MCS0	4	155	5775	M	17.40	18.70	17.80	18.10	24.05	30.00	4.70	Pass
HE80	MCS0	4	155	5775	BE	19.70	20.20	19.70	20.20	25.98	30.00	4.70	Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU tone	Average Power Density (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	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	149	5745	Full	2.98	3.73	3.14	3.36	9.75	26.42	9.58	Pass
HE20	MCS0	4	149	5745	M	0.23	1.10	0.95	0.98	7.12	26.42	9.58	Pass
HE20	MCS0	4	149	5745	BE	2.22	2.35	2.60	2.21	8.62	26.42	9.58	Pass
HE20	MCS0	4	157	5785	Full	3.86	3.99	3.91	4.15	10.17	26.42	9.58	Pass
HE20	MCS0	4	157	5785	M	4.36	4.75	4.45	4.36	10.77	26.42	9.58	Pass
HE20	MCS0	4	157	5785	BE	5.78	5.84	5.69	5.84	11.86	26.42	9.58	Pass
HE20	MCS0	4	165	5825	Full	8.61	9.45	9.34	9.43	15.47	26.42	9.58	Pass
HE20	MCS0	4	165	5825	M	9.70	10.43	9.69	10.48	16.50	26.42	9.58	Pass
HE20	MCS0	4	165	5825	BE	8.84	9.38	8.84	9.40	15.42	26.42	9.58	Pass
HE40	MCS0	4	151	5755	Full	2.55	3.15	2.73	3.04	9.17	26.42	9.58	Pass
HE40	MCS0	4	151	5755	M	2.39	2.93	2.44	2.89	8.95	26.42	9.58	Pass
HE40	MCS0	4	151	5755	BE	0.75	1.14	0.94	1.27	7.29	26.42	9.58	Pass
HE40	MCS0	4	159	5795	Full	4.70	5.25	3.68	4.49	11.27	26.42	9.58	Pass
HE40	MCS0	4	159	5795	M	4.55	4.91	4.79	5.07	11.09	26.42	9.58	Pass
HE40	MCS0	4	159	5795	BE	3.76	4.20	3.54	4.15	10.22	26.42	9.58	Pass
HE80	MCS0	4	155	5775	Full	3.45	4.67	3.63	3.96	10.69	26.42	9.58	Pass
HE80	MCS0	4	155	5775	M	3.14	3.84	3.71	3.43	9.86	26.42	9.58	Pass
HE80	MCS0	4	155	5775	BE	4.52	5.05	4.34	4.65	11.07	26.42	9.58	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2, Ant. 3, Ant. 4) + 10 log (n)

<TXBF Mode>

Test Engineer	Hank Hsu	Temperature	21~24	°C
Test Date	2021/12/8~2021/12/30	Relative Humidity	52~56	%

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted 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	149	5745	13.60	14.50	14.6	14.50	20.34	26.42	9.58	Pass
HT20	MCS0	4	157	5785	14.70	15.30	14.7	14.60	20.85	26.42	9.58	Pass
HT20	MCS0	4	165	5825	17.50	17.60	17.5	17.40	23.52	26.42	9.58	Pass
HT40	MCS0	4	151	5755	13.00	13.90	14	13.80	19.71	26.42	9.58	Pass
HT40	MCS0	4	159	5795	14.30	14.30	14.1	13.80	20.15	26.42	9.58	Pass
VHT20	MCS0	4	149	5745	13.60	14.50	14.6	14.50	20.34	26.42	9.58	Pass
VHT20	MCS0	4	157	5785	14.70	15.30	14.7	14.60	20.85	26.42	9.58	Pass
VHT20	MCS0	4	165	5825	17.50	17.60	17.5	17.40	23.52	26.42	9.58	Pass
VHT40	MCS0	4	151	5755	13.00	13.90	14	13.80	19.71	26.42	9.58	Pass
VHT40	MCS0	4	159	5795	14.30	14.30	14.1	13.80	20.15	26.42	9.58	Pass
VHT80	MCS0	4	155	5775	18.10	18.20	18.2	17.90	24.12	26.42	9.58	Pass

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TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4																			
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU tone	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	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	4	149	5745	Full	20.95	21.15	20.90	20.80	17.25	17.70	17.65	17.70	17.58	17.63	17.58	17.63	0.5	Pass
HE20	MCS0	4	157	5785	Full	20.60	21.35	21.10	20.95	17.35	17.65	17.50	17.20	17.63	17.63	17.58	17.63	0.5	Pass
HE20	MCS0	4	165	5825	Full	21.30	21.75	21.00	20.90	17.65	17.40	17.65	17.65	17.63	17.63	17.63	17.63	0.5	Pass
HE40	MCS0	4	151	5755	Full	39.15	39.15	39.51	39.24	35.46	35.91	35.55	35.28	36.36	36.36	36.36	36.36	0.5	Pass
HE40	MCS0	4	159	5795	Full	39.33	39.51	39.78	38.88	33.30	35.64	35.82	35.46	36.26	36.36	36.46	36.26	0.5	Pass
HE80	MCS0	4	155	5775	Full	80.80	80.32	81.28	80.48	56.16	76.16	76.16	76.16	75.05	75.76	75.52	75.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU tone	Average Conducted Power (dBm)					FCC Conducted 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	149	5745	Full	13.70	14.60	14.70	14.60	20.44	26.42	9.58	Pass
HE20	MCS0	4	157	5785	Full	14.80	15.40	14.80	14.70	20.95	26.42	9.58	Pass
HE20	MCS0	4	165	5825	Full	17.60	17.70	17.60	17.50	23.62	26.42	9.58	Pass
HE40	MCS0	4	151	5755	Full	13.10	14.00	14.10	13.90	19.81	26.42	9.58	Pass
HE40	MCS0	4	159	5795	Full	14.40	14.40	14.20	13.90	20.25	26.42	9.58	Pass
HE80	MCS0	4	155	5775	Full	18.20	18.30	18.30	18.00	24.22	26.42	9.58	Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode Ant 1 + 2 + 3 + 4													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU tone	Average Power Density (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	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	149	5745	Full	2.23	3.18	2.94	3.01	9.20	26.42	9.58	Pass
HE20	MCS0	4	157	5785	Full	3.18	3.59	3.08	3.07	9.61	26.42	9.58	Pass
HE20	MCS0	4	165	5825	Full	5.26	6.46	6.20	6.31	12.48	26.42	9.58	Pass
HE40	MCS0	4	151	5755	Full	1.11	2.21	2.01	2.06	8.23	26.42	9.58	Pass
HE40	MCS0	4	159	5795	Full	1.72	1.72	1.64	1.21	7.74	26.42	9.58	Pass
HE80	MCS0	4	155	5775	Full	5.15	5.09	5.51	5.98	12.00	26.42	9.58	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2, Ant. 3, Ant. 4) + 10 log (n)

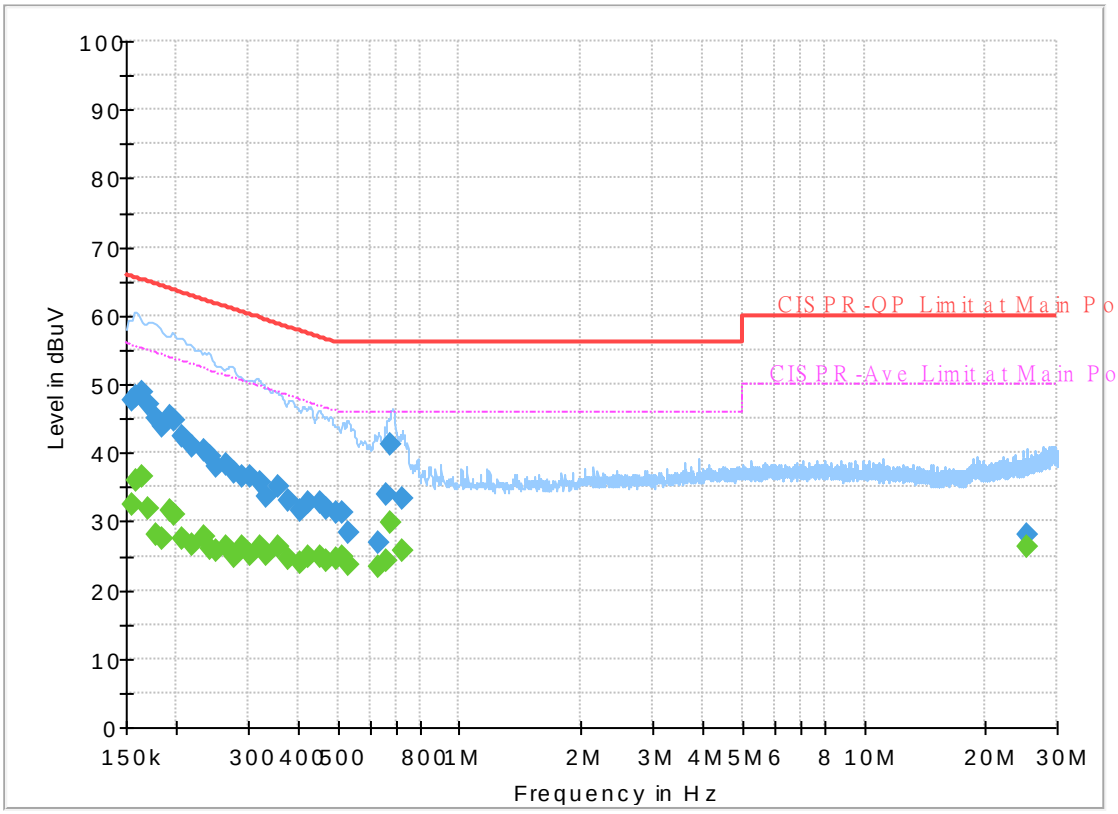
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	1O0638
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

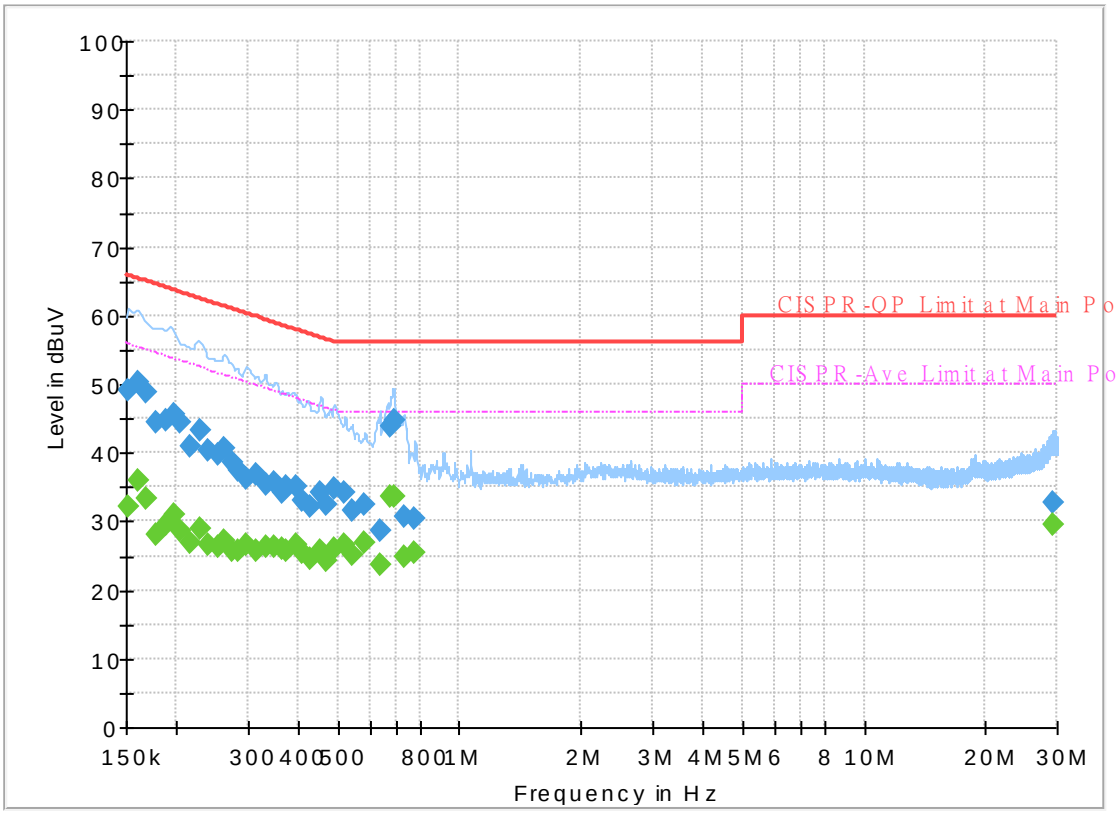
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	32.41	55.75	23.34	L1	OFF	19.6
0.154500	47.70	---	65.75	18.05	L1	OFF	19.6
0.159000	---	35.89	55.52	19.63	L1	OFF	19.6
0.159000	48.32	---	65.52	17.20	L1	OFF	19.6
0.163500	---	36.68	55.28	18.60	L1	OFF	19.6
0.163500	48.80	---	65.28	16.48	L1	OFF	19.6
0.170250	---	32.00	54.95	22.95	L1	OFF	19.6
0.170250	46.95	---	64.95	18.00	L1	OFF	19.6
0.177000	---	28.04	54.63	26.59	L1	OFF	19.6
0.177000	44.96	---	64.63	19.67	L1	OFF	19.6
0.183750	---	27.46	54.31	26.85	L1	OFF	19.6
0.183750	43.72	---	64.31	20.59	L1	OFF	19.6
0.192750	---	31.47	53.92	22.45	L1	OFF	19.6
0.192750	45.37	---	63.92	18.55	L1	OFF	19.6
0.197250	---	31.09	53.73	22.64	L1	OFF	19.6
0.197250	44.77	---	63.73	18.96	L1	OFF	19.6
0.206250	---	27.41	53.36	25.95	L1	OFF	19.6
0.206250	42.34	---	63.36	21.02	L1	OFF	19.6
0.217500	---	26.52	52.91	26.39	L1	OFF	19.6
0.217500	41.03	---	62.91	21.88	L1	OFF	19.6
0.233250	---	27.74	52.33	24.59	L1	OFF	19.6

0.233250	40.33	---	62.33	22.00	L1	OFF	19.6
0.242250	---	25.95	52.02	26.07	L1	OFF	19.6
0.242250	39.38	---	62.02	22.64	L1	OFF	19.6
0.251250	---	25.61	51.72	26.11	L1	OFF	19.6
0.251250	37.88	---	61.72	23.84	L1	OFF	19.6
0.264750	---	26.36	51.28	24.92	L1	OFF	19.6
0.264750	38.42	---	61.28	22.86	L1	OFF	19.6
0.278250	---	24.94	50.87	25.93	L1	OFF	19.6
0.278250	37.10	---	60.87	23.77	L1	OFF	19.6
0.289500	---	26.25	50.54	24.29	L1	OFF	19.6
0.289500	36.64	---	60.54	23.90	L1	OFF	19.6
0.305250	---	25.29	50.10	24.81	L1	OFF	19.6
0.305250	36.62	---	60.10	23.48	L1	OFF	19.6
0.321000	---	26.21	49.68	23.47	L1	OFF	19.6
0.321000	35.64	---	59.68	24.04	L1	OFF	19.6
0.334500	---	25.16	49.34	24.18	L1	OFF	19.6
0.334500	33.57	---	59.34	25.77	L1	OFF	19.6
0.354750	---	26.34	48.85	22.51	L1	OFF	19.6
0.354750	35.03	---	58.85	23.82	L1	OFF	19.6
0.377250	---	24.59	48.34	23.75	L1	OFF	19.6
0.377250	33.04	---	58.34	25.30	L1	OFF	19.6
0.404250	---	24.06	47.77	23.71	L1	OFF	19.6
0.404250	31.51	---	57.77	26.26	L1	OFF	19.6
0.424500	---	24.93	47.36	22.43	L1	OFF	19.7
0.424500	32.72	---	57.36	24.64	L1	OFF	19.7
0.453750	---	24.85	46.81	21.96	L1	OFF	19.7
0.453750	32.75	---	56.81	24.06	L1	OFF	19.7
0.469500	---	24.18	46.52	22.34	L1	OFF	19.7
0.469500	31.83	---	56.52	24.69	L1	OFF	19.7
0.494250	---	24.44	46.10	21.66	L1	OFF	19.7
0.494250	31.14	---	56.10	24.96	L1	OFF	19.7
0.514500	---	24.73	46.00	21.27	L1	OFF	19.8
0.514500	31.30	---	56.00	24.70	L1	OFF	19.8
0.530250	---	23.81	46.00	22.19	L1	OFF	19.8
0.530250	28.47	---	56.00	27.53	L1	OFF	19.8
0.631500	---	23.29	46.00	22.71	L1	OFF	19.9
0.631500	27.00	---	56.00	29.00	L1	OFF	19.9
0.660750	---	24.30	46.00	21.70	L1	OFF	19.9
0.660750	33.81	---	56.00	22.19	L1	OFF	19.9
0.676500	---	29.75	46.00	16.25	L1	OFF	19.9
0.676500	41.26	---	56.00	14.74	L1	OFF	19.9
0.721500	---	25.85	46.00	20.15	L1	OFF	19.9
0.721500	33.38	---	56.00	22.62	L1	OFF	19.9
25.161000	---	26.35	50.00	23.65	L1	OFF	20.6
25.161000	28.19	---	60.00	31.81	L1	OFF	20.6

EUT Information

Report NO :	1O0638
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.13	55.88	23.75	N	OFF	19.6
0.152250	49.21	---	65.88	16.67	N	OFF	19.6
0.161250	---	36.07	55.40	19.33	N	OFF	19.6
0.161250	50.39	---	65.40	15.01	N	OFF	19.6
0.168000	---	33.37	55.06	21.69	N	OFF	19.6
0.168000	48.91	---	65.06	16.15	N	OFF	19.6
0.177000	---	28.18	54.63	26.45	N	OFF	19.6
0.177000	44.52	---	64.63	20.11	N	OFF	19.6
0.188250	---	29.62	54.11	24.49	N	OFF	19.6
0.188250	44.75	---	64.11	19.36	N	OFF	19.6
0.197250	---	31.12	53.73	22.61	N	OFF	19.6
0.197250	45.67	---	63.73	18.06	N	OFF	19.6
0.204000	---	28.68	53.45	24.77	N	OFF	19.6
0.204000	44.49	---	63.45	18.96	N	OFF	19.6
0.215250	---	26.90	53.00	26.10	N	OFF	19.6
0.215250	40.97	---	63.00	22.03	N	OFF	19.6
0.228750	---	28.82	52.50	23.68	N	OFF	19.6
0.228750	43.19	---	62.50	19.31	N	OFF	19.6
0.240000	---	26.73	52.10	25.37	N	OFF	19.6
0.240000	40.34	---	62.10	21.76	N	OFF	19.6
0.253500	---	26.21	51.64	25.43	N	OFF	19.6

0.253500	39.65	---	61.64	21.99	N	OFF	19.6
0.262500	---	27.29	51.35	24.06	N	OFF	19.6
0.262500	40.59	---	61.35	20.76	N	OFF	19.6
0.273750	---	25.74	51.00	25.26	N	OFF	19.6
0.273750	38.68	---	61.00	22.32	N	OFF	19.6
0.282750	---	25.62	50.74	25.12	N	OFF	19.6
0.282750	37.55	---	60.74	23.19	N	OFF	19.6
0.298500	---	26.51	50.28	23.77	N	OFF	19.6
0.298500	36.26	---	60.28	24.02	N	OFF	19.6
0.314250	---	25.65	49.86	24.21	N	OFF	19.6
0.314250	36.85	---	59.86	23.01	N	OFF	19.6
0.332250	---	26.37	49.40	23.03	N	OFF	19.6
0.332250	35.38	---	59.40	24.02	N	OFF	19.6
0.350250	---	26.36	48.96	22.60	N	OFF	19.6
0.350250	35.65	---	58.96	23.31	N	OFF	19.6
0.363750	---	26.05	48.64	22.59	N	OFF	19.6
0.363750	34.18	---	58.64	24.46	N	OFF	19.6
0.375000	---	25.88	48.39	22.51	N	OFF	19.6
0.375000	35.12	---	58.39	23.27	N	OFF	19.6
0.393000	---	26.52	48.00	21.48	N	OFF	19.6
0.393000	35.08	---	58.00	22.92	N	OFF	19.6
0.408750	---	25.34	47.67	22.33	N	OFF	19.6
0.408750	32.95	---	57.67	24.72	N	OFF	19.6
0.429000	---	24.57	47.27	22.70	N	OFF	19.7
0.429000	32.04	---	57.27	25.23	N	OFF	19.7
0.453750	---	25.64	46.81	21.17	N	OFF	19.7
0.453750	34.18	---	56.81	22.63	N	OFF	19.7
0.467250	---	24.40	46.56	22.16	N	OFF	19.7
0.467250	32.32	---	56.56	24.24	N	OFF	19.7
0.492000	---	26.15	46.13	19.98	N	OFF	19.7
0.492000	34.87	---	56.13	21.26	N	OFF	19.7
0.516750	---	26.52	46.00	19.48	N	OFF	19.8
0.516750	34.17	---	56.00	21.83	N	OFF	19.8
0.543750	---	25.02	46.00	20.98	N	OFF	19.8
0.543750	31.69	---	56.00	24.31	N	OFF	19.8
0.584250	---	26.89	46.00	19.11	N	OFF	19.8
0.584250	32.53	---	56.00	23.47	N	OFF	19.8
0.636000	---	23.68	46.00	22.32	N	OFF	19.9
0.636000	28.60	---	56.00	27.40	N	OFF	19.9
0.676500	---	33.54	46.00	12.46	N	OFF	19.9
0.676500	43.94	---	56.00	12.06	N	OFF	19.9
0.687750	---	33.62	46.00	12.38	N	OFF	19.9
0.687750	44.85	---	56.00	11.15	N	OFF	19.9
0.728250	---	24.74	46.00	21.26	N	OFF	20.0
0.728250	30.80	---	56.00	25.20	N	OFF	20.0
0.777750	---	25.45	46.00	20.55	N	OFF	20.0
0.777750	30.41	---	56.00	25.59	N	OFF	20.0
29.370750	---	29.58	50.00	20.42	N	OFF	20.8
29.370750	32.61	---	60.00	27.39	N	OFF	20.8

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	17.9~24.6°C
		Relative Humidity :	53.1~69.0%

<CDD Mode>

Band 4 - 5725~5850MHz

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 149 5745MHz		5645.4	48.86	-19.34	68.2	37.08	34.6	12.33	35.15	100	245	P	H
		5700	47.63	-57.57	105.2	35.71	34.7	12.38	35.16	100	245	P	H
		5719.4	49.62	-61.01	110.63	37.68	34.7	12.4	35.16	100	245	P	H
		5724	51.96	-67.96	119.92	40.02	34.7	12.4	35.16	100	245	P	H
	*	5745	112.01	-	-	100.06	34.7	12.42	35.17	100	245	P	H
	*	5745	104.58	-	-	92.63	34.7	12.42	35.17	100	245	A	H
													H
													H
		5649.6	47.96	-20.24	68.2	36.28	34.5	12.33	35.15	100	269	P	V
		5689.6	48.19	-49.34	97.53	36.28	34.7	12.37	35.16	100	269	P	V
		5702.4	48.23	-57.64	105.87	36.31	34.7	12.38	35.16	100	269	P	V
		5724.8	49.31	-72.43	121.74	37.37	34.7	12.4	35.16	100	269	P	V
	*	5745	110.22	-	-	98.27	34.7	12.42	35.17	100	269	P	V
	*	5745	103.06	-	-	91.11	34.7	12.42	35.17	100	269	A	V
													V
													V

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)
		5622	47.61	-20.59	68.2	35.75	34.7	12.3	35.14	100	243	P	H
		5689.8	49.35	-48.33	97.68	37.44	34.7	12.37	35.16	100	243	P	H
		5709	48.17	-59.55	107.72	36.24	34.7	12.39	35.16	100	243	P	H
		5722	47.06	-68.3	115.36	35.12	34.7	12.4	35.16	100	243	P	H
	*	5785	112.16	-	-	100.1	34.77	12.46	35.17	100	243	P	H
	*	5785	105.14	-	-	93.08	34.77	12.46	35.17	100	243	A	H
		5852.8	49.28	-66.54	115.82	37.05	34.9	12.51	35.18	100	243	P	H
		5858.8	47.97	-61.76	109.73	35.74	34.9	12.52	35.19	100	243	P	H
		5901.2	48.97	-36.8	85.77	36.71	34.9	12.55	35.19	100	243	P	H
		5934	49.04	-19.16	68.2	36.7	34.97	12.57	35.2	100	243	P	H
													H
802.11a CH 157 5785MHz													H
		5612.2	48.5	-19.7	68.2	36.55	34.8	12.29	35.14	100	266	P	V
		5683.2	49.13	-43.67	92.8	37.33	34.6	12.36	35.16	100	266	P	V
		5720	47.11	-63.69	110.8	35.17	34.7	12.4	35.16	100	266	P	V
		5725	47.15	-75.05	122.2	35.21	34.7	12.4	35.16	100	266	P	V
	*	5785	112.65	-	-	100.59	34.77	12.46	35.17	100	266	P	V
	*	5785	105.5	-	-	93.44	34.77	12.46	35.17	100	266	A	V
		5855	48.51	-62.29	110.8	36.27	34.9	12.52	35.18	100	266	P	V
		5855	48.51	-62.29	110.8	36.27	34.9	12.52	35.18	100	266	P	V
		5919.2	49.15	-23.33	72.48	36.86	34.93	12.56	35.2	100	266	P	V
		5927.8	48.7	-19.5	68.2	36.37	34.97	12.56	35.2	100	266	P	V
													V
													V

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)
	*	5825	116.7	-	-	104.51	34.87	12.5	35.18	100	242	P	H
	*	5825	109.76	-	-	97.57	34.87	12.5	35.18	100	242	A	H
		5850.8	68.47	-51.91	120.38	56.24	34.9	12.51	35.18	100	242	P	H
		5855	60.03	-50.77	110.8	47.79	34.9	12.52	35.18	100	242	P	H
		5896.6	49.3	-39.88	89.18	37.05	34.9	12.54	35.19	100	242	P	H
		5944.6	48.21	-19.99	68.2	35.84	35	12.57	35.2	100	242	P	H
													H
802.11a													H
CH 165	*	5825	117.88	-	-	105.69	34.87	12.5	35.18	100	266	P	V
5825MHz	*	5825	110.83	-	-	98.64	34.87	12.5	35.18	100	266	A	V
		5851	66.5	-53.42	119.92	54.27	34.9	12.51	35.18	100	266	P	V
		5859	59.07	-50.61	109.68	46.84	34.9	12.52	35.19	100	266	P	V
		5889.2	49.49	-45.17	94.66	37.24	34.9	12.54	35.19	100	266	P	V
		5937	49.17	-19.03	68.2	36.83	34.97	12.57	35.2	100	266	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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)
		11490	60.61	-13.39	74	60.47	38.18	19.5	57.54	100	298	P	H
		11490	52.81	-1.19	54	52.67	38.18	19.5	57.54	100	298	A	H
		13369	47.43	-26.57	74	45.49	38.94	21.22	58.22	-	-	P	H
		14491	48.07	-25.93	74	44.56	39.3	22.3	58.09	-	-	P	H
		14491	37.84	-16.16	54	34.33	39.3	22.3	58.09	-	-	A	H
		17235	49.65	-18.55	68.2	39.8	41.43	24.93	56.51	-	-	P	H
		17846	52.02	-21.98	74	40.69	41.9	25.5	56.07	-	-	P	H
		17846	41.41	-12.59	54	30.08	41.9	25.5	56.07	-	-	A	H
													H
													H
													H
802.11a CH 149 5745MHz													H
		11490	56.22	-17.78	74	56.08	38.18	19.5	57.54	400	213	P	V
		11490	48.19	-5.81	54	48.05	38.18	19.5	57.54	400	213	A	V
		13336	47.45	-26.55	74	45.45	39.02	21.19	58.21	-	-	P	V
		14499	48.15	-25.85	74	44.63	39.3	22.31	58.09	-	-	P	V
		14499	37.61	-16.39	54	34.09	39.3	22.31	58.09	-	-	A	V
		17235	49.9	-18.3	68.2	40.05	41.43	24.93	56.51	-	-	P	V
		17725	52	-22	74	40.92	41.83	25.4	56.15	-	-	P	V
		17725	41.83	-12.17	54	30.75	41.83	25.4	56.15	-	-	A	V
													V
													V
													V
													V

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)
		11570	60.89	-13.11	74	60.4	38.33	19.57	57.41	100	298	P	H
		11570	52.7	-1.3	54	52.21	38.33	19.57	57.41	100	298	A	H
		13369	48.44	-25.56	74	46.5	38.94	21.22	58.22	-	-	P	H
		13369	37.84	-16.16	54	35.9	38.94	21.22	58.22	-	-	A	H
		14491	48.06	-25.94	74	44.55	39.3	22.3	58.09	-	-	P	H
		14491	37.92	-16.08	54	34.41	39.3	22.3	58.09	-	-	A	H
		17355	50.85	-17.35	68.2	40.65	41.55	25.05	56.4	-	-	P	H
		17769	51.4	-22.6	74	40.21	41.87	25.44	56.12	-	-	P	H
		17769	41.35	-12.65	54	30.16	41.87	25.44	56.12	-	-	A	H
													H
													H
802.11a CH 157 5785MHz													H
		11570	55.92	-18.08	74	55.43	38.33	19.57	57.41	400	320	P	V
		11570	46.9	-7.1	54	46.41	38.33	19.57	57.41	400	320	A	V
		13369	47.34	-26.66	74	45.4	38.94	21.22	58.22	-	-	P	V
		14491	48.05	-25.95	74	44.54	39.3	22.3	58.09	-	-	P	V
		14491	37.54	-16.46	54	34.03	39.3	22.3	58.09	-	-	A	V
		17355	49.56	-18.64	68.2	39.36	41.55	25.05	56.4	-	-	P	V
		17868	51.73	-22.27	74	40.37	41.9	25.52	56.06	-	-	P	V
		17868	41.62	-12.38	54	30.26	41.9	25.52	56.06	-	-	A	V
													V
													V
													V
													V

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)
		11650	61.26	-12.74	74	60.42	38.48	19.64	57.28	100	298	P	H
		11650	52.78	-1.22	54	51.94	38.48	19.64	57.28	100	298	A	H
		13358	48.54	-25.46	74	46.57	38.98	21.21	58.22	-	-	P	H
		13358	38.07	-15.93	54	36.1	38.98	21.21	58.22	-	-	A	H
		14499	48.74	-25.26	74	45.22	39.3	22.31	58.09	-	-	P	H
		14499	38.94	-15.06	54	35.42	39.3	22.31	58.09	-	-	A	H
		17475	50.61	-17.59	68.2	40.08	41.67	25.16	56.3	-	-	P	H
		17846	51.08	-22.92	74	39.75	41.9	25.5	56.07	-	-	P	H
		17846	41.38	-12.62	54	30.05	41.9	25.5	56.07	-	-	A	H
													H
													H
802.11a													H
CH 165		11650	57.56	-16.44	74	56.72	38.48	19.64	57.28	400	209	P	V
5825MHz		11650	49.44	-4.56	54	48.6	38.48	19.64	57.28	400	209	A	V
		13391	48.58	-25.42	74	46.67	38.9	21.24	58.23	-	-	P	V
		13391	38.13	-15.87	54	36.22	38.9	21.24	58.23	-	-	A	V
		14480	48.36	-25.64	74	44.88	39.28	22.29	58.09	-	-	P	V
		14480	37.66	-16.34	54	34.18	39.28	22.29	58.09	-	-	A	V
		17475	50.02	-18.18	68.2	39.49	41.67	25.16	56.3	-	-	P	V
		17791	52.21	-21.79	74	40.96	41.9	25.46	56.11	-	-	P	V
		17791	41.64	-12.36	54	30.39	41.9	25.46	56.11	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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)
		5649.4	48.74	-19.46	68.2	36.96	34.6	12.33	35.15	100	333	P	H
		5652.4	50.5	-19.48	69.98	38.82	34.5	12.33	35.15	100	333	P	H
		5711	48.38	-59.9	108.28	36.45	34.7	12.39	35.16	100	333	P	H
		5724.2	55.77	-64.61	120.38	43.83	34.7	12.4	35.16	100	333	P	H
	*	5745	112.86	-	-	100.91	34.7	12.42	35.17	100	333	P	H
	*	5745	105.5	-	-	93.55	34.7	12.42	35.17	100	333	A	H
802.11ax													H
HE20 Full													H
CH 149		5648	49.11	-19.09	68.2	37.33	34.6	12.33	35.15	100	270	P	V
5745MHz		5671.4	49.58	-34.5	84.08	37.78	34.6	12.35	35.15	100	270	P	V
		5717	48.75	-61.21	109.96	36.81	34.7	12.4	35.16	100	270	P	V
		5724.8	51.16	-70.58	121.74	39.22	34.7	12.4	35.16	100	270	P	V
	*	5745	110.69	-	-	98.74	34.7	12.42	35.17	100	270	P	V
	*	5745	103.51	-	-	91.56	34.7	12.42	35.17	100	270	A	V
													V
													V

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)
		5635.8	48.82	-19.38	68.2	37.05	34.6	12.32	35.15	100	321	P	H
		5685.4	49.77	-44.66	94.43	37.86	34.7	12.37	35.16	100	321	P	H
		5703.4	47.72	-58.43	106.15	35.8	34.7	12.38	35.16	100	321	P	H
		5723	48.66	-68.98	117.64	36.72	34.7	12.4	35.16	100	321	P	H
	*	5785	112.82	-	-	100.76	34.77	12.46	35.17	100	321	P	H
	*	5785	105.23	-	-	93.17	34.77	12.46	35.17	100	321	A	H
		5850.8	46.78	-73.6	120.38	34.55	34.9	12.51	35.18	100	321	P	H
		5867.4	49.52	-57.81	107.33	37.29	34.9	12.52	35.19	100	321	P	H
		5885.4	48.64	-48.84	97.48	36.39	34.9	12.54	35.19	100	321	P	H
		5950	49.72	-18.48	68.2	37.34	35	12.58	35.2	100	321	P	H
802.11ax													H
HE20 Full													H
CH 157		5628.6	48.3	-19.9	68.2	36.44	34.7	12.31	35.15	100	265	P	V
5785MHz		5693.8	50.45	-50.18	100.63	38.54	34.7	12.37	35.16	100	265	P	V
		5717.8	48.66	-61.52	110.18	36.72	34.7	12.4	35.16	100	265	P	V
		5721	47.94	-65.14	113.08	36	34.7	12.4	35.16	100	265	P	V
	*	5785	114.05	-	-	101.99	34.77	12.46	35.17	100	265	P	V
	*	5785	106.7	-	-	94.64	34.77	12.46	35.17	100	265	A	V
		5850	47.88	-74.32	122.2	35.65	34.9	12.51	35.18	100	265	P	V
		5858.4	49.39	-60.46	109.85	37.16	34.9	12.52	35.19	100	265	P	V
		5889.6	50.22	-44.14	94.36	37.97	34.9	12.54	35.19	100	265	P	V
		5949.2	49.8	-18.4	68.2	37.42	35	12.58	35.2	100	265	P	V
													V
													V

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)
	*	5825	121.32	-	-	109.13	34.87	12.5	35.18	100	242	P	H
	*	5825	111.89	-	-	99.7	34.87	12.5	35.18	100	242	A	H
		5850	72.91	-49.29	122.2	60.68	34.9	12.51	35.18	100	242	P	H
		5858	67.76	-42.2	109.96	55.53	34.9	12.52	35.19	100	242	P	H
		5877.2	48.51	-55.06	103.57	36.27	34.9	12.53	35.19	100	242	P	H
		5948.6	48.66	-19.54	68.2	36.28	35	12.58	35.2	100	242	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	119.54	-	-	107.35	34.87	12.5	35.18	100	257	P	V
5825MHz	*	5825	110.45	-	-	98.26	34.87	12.5	35.18	100	257	A	V
		5851	78.87	-41.05	119.92	66.64	34.9	12.51	35.18	100	257	P	V
		5855	68.07	-42.73	110.8	55.83	34.9	12.52	35.18	100	257	P	V
		5914.4	48.7	-27.32	76.02	36.42	34.93	12.55	35.2	100	257	P	V
		5939	48.98	-19.22	68.2	36.61	35	12.57	35.2	100	257	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11490	60.62	-13.38	74	60.48	38.18	19.5	57.54	100	298	P	H
		11490	52.92	-1.08	54	52.78	38.18	19.5	57.54	100	298	A	H
		13347	47.28	-26.72	74	45.28	39.02	21.2	58.22	-	-	P	H
		14491	48.1	-25.9	74	44.59	39.3	22.3	58.09	-	-	P	H
		14491	37.54	-16.46	54	34.03	39.3	22.3	58.09	-	-	A	H
		17235	49.92	-18.28	68.2	40.07	41.43	24.93	56.51	-	-	P	H
		17868	51.3	-22.7	74	39.94	41.9	25.52	56.06	-	-	P	H
		17868	41.63	-12.37	54	30.27	41.9	25.52	56.06	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	58.14	-15.86	74	58	38.18	19.5	57.54	400	212	P	V
5745MHz		11490	48.24	-5.76	54	48.1	38.18	19.5	57.54	400	212	A	V
		13369	46.74	-27.26	74	44.8	38.94	21.22	58.22	-	-	P	V
		14499	48.58	-25.42	74	45.06	39.3	22.31	58.09	-	-	P	V
		14499	38.05	-15.95	54	34.53	39.3	22.31	58.09	-	-	A	V
		17235	49.65	-18.55	68.2	39.8	41.43	24.93	56.51	-	-	P	V
		17791	51.93	-22.07	74	40.68	41.9	25.46	56.11	-	-	P	V
		17791	41.7	-12.3	54	30.45	41.9	25.46	56.11	-	-	A	V
													V
													V
													V
													V

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)
		11570	62.32	-11.68	74	61.83	38.33	19.57	57.41	100	298	P	H
		11570	52.7	-1.3	54	52.21	38.33	19.57	57.41	100	298	A	H
		12423	48.5	-25.5	74	46.06	39	20.32	56.88	-	-	P	H
		12423	36.25	-17.75	54	33.81	39	20.32	56.88	-	-	A	H
		15899	48.61	-25.39	74	41.05	40.8	23.68	56.92	-	-	P	H
		15899	38.29	-15.71	54	30.73	40.8	23.68	56.92	-	-	A	H
		17355	50.11	-18.09	68.2	39.91	41.55	25.05	56.4	-	-	P	H
		17945	51.34	-22.66	74	39.85	41.9	25.6	56.01	-	-	P	H
		17945	40.94	-13.06	54	29.45	41.9	25.6	56.01	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	58.82	-15.18	74	58.33	38.33	19.57	57.41	386	211	P	V
5785MHz		11570	47.89	-6.11	54	47.4	38.33	19.57	57.41	386	211	A	V
		13358	48.71	-25.29	74	46.74	38.98	21.21	58.22	-	-	P	V
		13358	35.52	-18.48	54	33.55	38.98	21.21	58.22	-	-	A	V
		15888	48.34	-25.66	74	40.8	40.8	23.67	56.93	-	-	P	V
		15888	38.18	-15.82	54	30.64	40.8	23.67	56.93	-	-	A	V
		17355	49.87	-18.33	68.2	39.67	41.55	25.05	56.4	-	-	P	V
		17890	51.52	-22.48	74	40.13	41.9	25.54	56.05	-	-	P	V
		17890	41.09	-12.91	54	29.7	41.9	25.54	56.05	-	-	A	V
													V
													V
													V

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)
		11650	61.92	-12.08	74	61.08	38.48	19.64	57.28	100	300	P	H
		11650	52.9	-1.1	54	52.06	38.48	19.64	57.28	100	300	A	H
		13336	48.46	-25.54	74	46.46	39.02	21.19	58.21	-	-	P	H
		13336	35.28	-18.72	54	33.28	39.02	21.19	58.21	-	-	A	H
		16064	48.43	-25.57	74	40.2	41.2	23.84	56.81	-	-	P	H
		16064	38.16	-15.84	54	29.93	41.2	23.84	56.81	-	-	A	H
		17475	50.32	-17.88	68.2	39.79	41.67	25.16	56.3	-	-	P	H
		17758	51.92	-22.08	74	40.75	41.87	25.43	56.13	-	-	P	H
		17758	41.16	-12.84	54	29.99	41.87	25.43	56.13	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	58.69	-15.31	74	57.85	38.48	19.64	57.28	399	210	P	V
5825MHz		11650	50.3	-3.7	54	49.46	38.48	19.64	57.28	399	210	A	V
		13336	48.27	-25.73	74	46.27	39.02	21.19	58.21	-	-	P	V
		13336	35.34	-18.66	54	33.34	39.02	21.19	58.21	-	-	A	V
		15756	48.46	-25.54	74	41.31	40.65	23.54	57.04	-	-	P	V
		15756	38.05	-15.95	54	30.9	40.65	23.54	57.04	-	-	A	V
		17475	49.8	-18.4	68.2	39.27	41.67	25.16	56.3	-	-	P	V
		17846	51.7	-22.3	74	40.37	41.9	25.5	56.07	-	-	P	V
		17846	40.93	-13.07	54	29.6	41.9	25.5	56.07	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial RU (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 Partial M CH 149 5745MHz		5637.2	49.48	-18.72	68.2	37.71	34.6	12.32	35.15	100	317	P	H
		5672.6	49.62	-35.34	84.96	37.82	34.6	12.35	35.15	100	317	P	H
		5715.8	52.32	-57.31	109.63	40.38	34.7	12.4	35.16	100	317	P	H
		5724.4	58.24	-62.59	120.83	46.3	34.7	12.4	35.16	100	317	P	H
	*	5745	110.39	-	-	98.44	34.7	12.42	35.17	100	317	P	H
	*	5745	102.46	-	-	90.51	34.7	12.42	35.17	100	317	A	H
													H
													H
		5605.4	49.09	-19.11	68.2	37.14	34.8	12.29	35.14	100	257	P	V
		5673.4	49.65	-35.91	85.56	37.85	34.6	12.35	35.15	100	257	P	V
		5714.6	50.15	-59.14	109.29	38.22	34.7	12.39	35.16	100	257	P	V
		5721.2	55.94	-57.6	113.54	44	34.7	12.4	35.16	100	257	P	V
	*	5745	111.05	-	-	99.1	34.7	12.42	35.17	100	257	P	V
	*	5745	102.84	-	-	90.89	34.7	12.42	35.17	100	257	A	V
													V
													V

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 Partial BE CH 149 5745MHz		5619	49.31	-18.89	68.2	37.45	34.7	12.3	35.14	100	327	P	H
		5687.4	50.18	-45.73	95.91	38.27	34.7	12.37	35.16	100	327	P	H
		5719.4	49.14	-61.49	110.63	37.2	34.7	12.4	35.16	100	327	P	H
		5722.8	48.32	-68.86	117.18	36.38	34.7	12.4	35.16	100	327	P	H
	*	5745	112.52	-	-	100.57	34.7	12.42	35.17	100	327	P	H
	*	5745	104.11	-	-	92.16	34.7	12.42	35.17	100	327	A	H
													H
													H
		5609	48.6	-19.6	68.2	36.65	34.8	12.29	35.14	100	255	P	V
		5664.4	48.67	-30.22	78.89	36.98	34.5	12.34	35.15	100	255	P	V
		5707.4	50.03	-57.24	107.27	38.1	34.7	12.39	35.16	100	255	P	V
		5723.2	49.08	-69.02	118.1	37.14	34.7	12.4	35.16	100	255	P	V
	*	5745	113.44	-	-	101.49	34.7	12.42	35.17	100	255	P	V
	*	5745	104.13	-	-	92.18	34.7	12.42	35.17	100	255	A	V
													V
													V

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)
		5621.8	49.6	-18.6	68.2	37.74	34.7	12.3	35.14	100	232	P	H
		5693.8	50.75	-49.88	100.63	38.84	34.7	12.37	35.16	100	232	P	H
		5702.2	50.24	-55.58	105.82	38.32	34.7	12.38	35.16	100	232	P	H
		5721.2	50.83	-62.71	113.54	38.89	34.7	12.4	35.16	100	232	P	H
	*	5785	114.94	-	-	102.88	34.77	12.46	35.17	100	232	P	H
	*	5785	107.56	-	-	95.5	34.77	12.46	35.17	100	232	A	H
		5853.2	49.38	-65.52	114.9	37.15	34.9	12.51	35.18	100	232	P	H
		5863.4	51.39	-57.06	108.45	39.16	34.9	12.52	35.19	100	232	P	H
		5906.8	49.5	-32.13	81.63	37.21	34.93	12.55	35.19	100	232	P	H
		5947.8	49	-19.2	68.2	36.62	35	12.58	35.2	100	232	P	H
802.11ax HE20 Partial M CH 157 5785MHz													H
													H
		5648.4	49.33	-18.87	68.2	37.55	34.6	12.33	35.15	100	261	P	V
		5697.8	49.42	-54.16	103.58	37.5	34.7	12.38	35.16	100	261	P	V
		5717	50.51	-59.45	109.96	38.57	34.7	12.4	35.16	100	261	P	V
		5723.2	48.57	-69.53	118.1	36.63	34.7	12.4	35.16	100	261	P	V
	*	5785	113.88	-	-	101.82	34.77	12.46	35.17	100	261	P	V
	*	5785	106.56	-	-	94.5	34.77	12.46	35.17	100	261	A	V
		5851.2	49.5	-69.96	119.46	37.27	34.9	12.51	35.18	100	261	P	V
		5869.8	50.55	-56.1	106.65	38.31	34.9	12.53	35.19	100	261	P	V
		5921.6	50.63	-20.08	70.71	38.3	34.97	12.56	35.2	100	261	P	V
		5943.6	49.32	-18.88	68.2	36.95	35	12.57	35.2	100	261	P	V
													V
													V

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)
		5650	49.52	-18.68	68.2	37.84	34.5	12.33	35.15	100	329	P	H
		5692.8	51.41	-48.48	99.89	39.5	34.7	12.37	35.16	100	329	P	H
		5711	50.01	-58.27	108.28	38.08	34.7	12.39	35.16	100	329	P	H
		5721	48.29	-64.79	113.08	36.35	34.7	12.4	35.16	100	329	P	H
	*	5785	115.08	-	-	103.02	34.77	12.46	35.17	100	329	P	H
	*	5785	106.38	-	-	94.32	34.77	12.46	35.17	100	329	A	H
		5851	49.41	-70.51	119.92	37.18	34.9	12.51	35.18	100	329	P	H
		5857.8	49.61	-60.4	110.01	37.38	34.9	12.52	35.19	100	329	P	H
		5887.2	50.24	-45.9	96.14	37.99	34.9	12.54	35.19	100	329	P	H
		5944.8	49.31	-18.89	68.2	36.94	35	12.57	35.2	100	329	P	H
802.11ax HE20 Partial BE CH 157 5785MHz													H
													H
		5604.6	49.38	-18.82	68.2	37.44	34.8	12.28	35.14	100	261	P	V
		5693.2	50.67	-49.52	100.19	38.76	34.7	12.37	35.16	100	261	P	V
		5701.8	49.71	-55.99	105.7	37.79	34.7	12.38	35.16	100	261	P	V
		5724	50.3	-69.62	119.92	38.36	34.7	12.4	35.16	100	261	P	V
	*	5785	116.32	-	-	104.26	34.77	12.46	35.17	100	261	P	V
	*	5785	107.64	-	-	95.58	34.77	12.46	35.17	100	261	A	V
		5851.2	49.47	-69.99	119.46	37.24	34.9	12.51	35.18	100	261	P	V
		5856.2	50.26	-60.2	110.46	38.02	34.9	12.52	35.18	100	261	P	V
		5925	49.2	-19	68.2	36.87	34.97	12.56	35.2	100	261	P	V
		5926.2	50.23	-17.97	68.2	37.9	34.97	12.56	35.2	100	261	P	V
													V
													V

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 Partial M CH 165 5825MHz	*	5825	117.88	-	-	105.69	34.87	12.5	35.18	100	226	P	H
	*	5825	110.63	-	-	98.44	34.87	12.5	35.18	100	226	A	H
		5850.4	81.64	-39.65	121.29	69.41	34.9	12.51	35.18	100	226	P	H
		5858.8	82.09	-27.64	109.73	69.86	34.9	12.52	35.19	100	226	P	H
		5875	65.19	-40.01	105.2	52.95	34.9	12.53	35.19	100	226	P	H
		5949.8	49.55	-18.65	68.2	37.17	35	12.58	35.2	100	226	P	H
													H
													H
	*	5825	118.76	-	-	106.57	34.87	12.5	35.18	100	255	P	V
	*	5825	112.35	-	-	100.16	34.87	12.5	35.18	100	255	A	V
		5852.8	83.02	-32.8	115.82	70.79	34.9	12.51	35.18	100	255	P	V
		5858.2	79.8	-30.1	109.9	67.57	34.9	12.52	35.19	100	255	P	V
		5875	57.4	-47.8	105.2	45.16	34.9	12.53	35.19	100	255	P	V
		5946.2	51.36	-16.84	68.2	38.98	35	12.58	35.2	100	255	P	V
													V
													V

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 Partial BE CH 165 5825MHz	*	5825	119.09	-	-	106.9	34.87	12.5	35.18	100	224	P	H
	*	5825	110.79	-	-	98.6	34.87	12.5	35.18	100	224	A	H
		5850	65.43	-56.77	122.2	53.2	34.9	12.51	35.18	100	224	P	H
		5856.4	55.11	-55.3	110.41	42.87	34.9	12.52	35.18	100	224	P	H
		5922.4	49.25	-20.87	70.12	36.92	34.97	12.56	35.2	100	224	P	H
		5927.8	49.45	-18.75	68.2	37.12	34.97	12.56	35.2	100	224	P	H
													H
													H
	*	5825	116.54	-	-	104.35	34.87	12.5	35.18	100	252	P	V
	*	5825	109.21	-	-	97.02	34.87	12.5	35.18	100	252	A	V
		5850	64.42	-57.78	122.2	52.19	34.9	12.51	35.18	100	252	P	V
		5856.2	57.3	-53.16	110.46	45.06	34.9	12.52	35.18	100	252	P	V
		5903	49.11	-35.33	84.44	36.85	34.9	12.55	35.19	100	252	P	V
		5941.6	49.83	-18.37	68.2	37.46	35	12.57	35.2	100	252	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial RU (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)
		11490	59.27	-14.73	74	59.13	38.18	19.5	57.54	100	297	P	H
		11490	52.79	-1.21	54	52.65	38.18	19.5	57.54	100	297	A	H
		13347	46.83	-27.17	74	44.83	39.02	21.2	58.22	-	-	P	H
		15767	48.09	-25.91	74	40.9	40.67	23.55	57.03	-	-	P	H
		15767	39.71	-14.29	54	32.52	40.67	23.55	57.03	-	-	A	H
		17235	50.13	-18.07	68.2	40.28	41.43	24.93	56.51	-	-	P	H
		17857	50.44	-23.56	74	39.1	41.9	25.51	56.07	-	-	P	H
		17857	42.83	-11.17	54	31.49	41.9	25.51	56.07	-	-	A	H
													H
													H
802.11ax HE20 Partial M CH 149 5745MHz													H
													H
		11490	57.08	-16.92	74	56.94	38.18	19.5	57.54	400	214	P	V
		11490	46.06	-7.94	54	45.92	38.18	19.5	57.54	400	214	A	V
		13380	47.78	-26.22	74	45.84	38.94	21.23	58.23	-	-	P	V
		15723	49.24	-24.76	74	42.18	40.62	23.51	57.07	-	-	P	V
		15723	40.01	-13.99	54	32.95	40.62	23.51	57.07	-	-	A	V
		17235	51.71	-16.49	68.2	41.86	41.43	24.93	56.51	-	-	P	V
		17758	52.28	-21.72	74	41.11	41.87	25.43	56.13	-	-	P	V
		17758	43.39	-10.61	54	32.22	41.87	25.43	56.13	-	-	A	V
													V
													V
													V
													V

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)
		11490	62.28	-11.72	74	62.14	38.18	19.5	57.54	100	297	P	H
		11490	52.48	-1.52	54	52.34	38.18	19.5	57.54	100	297	A	H
		13369	46.3	-27.7	74	44.36	38.94	21.22	58.22	-	-	P	H
		15745	47.45	-26.55	74	40.34	40.63	23.53	57.05	-	-	P	H
		17235	49.25	-18.95	68.2	39.4	41.43	24.93	56.51	-	-	P	H
		17714	50.37	-23.63	74	39.31	41.82	25.39	56.15	-	-	P	H
		17714	43.48	-10.52	54	32.42	41.82	25.39	56.15	-	-	A	H
													H
													H
													H
802.11ax HE20 Partial BE CH 149 5745MHz													H
													H
		11490	55.73	-18.27	74	55.59	38.18	19.5	57.54	100	243	P	V
		11490	46.69	-7.31	54	46.55	38.18	19.5	57.54	100	243	A	V
		13369	45.81	-28.19	74	43.87	38.94	21.22	58.22	-	-	P	V
		16042	47.35	-26.65	74	39.19	41.15	23.82	56.81	-	-	P	V
		17235	49.61	-18.59	68.2	39.76	41.43	24.93	56.51	-	-	P	V
		17835	51.95	-22.05	74	40.64	41.9	25.49	56.08	-	-	P	V
		17835	43.03	-10.97	54	31.72	41.9	25.49	56.08	-	-	A	V
													V
													V
													V
													V
													V

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)
		11570	61.94	-12.06	74	61.45	38.33	19.57	57.41	100	295	P	H
		11570	52.3	-1.7	54	51.81	38.33	19.57	57.41	100	295	A	H
		13347	48.26	-25.74	74	46.26	39.02	21.2	58.22	-	-	P	H
		13347	36.38	-17.62	54	34.38	39.02	21.2	58.22	-	-	A	H
		15899	48.54	-25.46	74	40.98	40.8	23.68	56.92	-	-	P	H
		15899	38.71	-15.29	54	31.15	40.8	23.68	56.92	-	-	A	H
		17355	50.66	-17.54	68.2	40.46	41.55	25.05	56.4	-	-	P	H
		17846	53.37	-20.63	74	42.04	41.9	25.5	56.07	-	-	P	H
		17846	41.62	-12.38	54	30.29	41.9	25.5	56.07	-	-	A	H
													H
802.11ax HE20 Partial M CH 157 5785MHz													H
													H
		11570	55.52	-18.48	74	55.03	38.33	19.57	57.41	389	187	P	V
		11570	47.11	-6.89	54	46.62	38.33	19.57	57.41	389	187	A	V
		12577	48.25	-25.75	74	45.79	39.08	20.48	57.1	-	-	P	V
		12577	36.84	-17.16	54	34.38	39.08	20.48	57.1	-	-	A	V
		15767	48.49	-25.51	74	41.3	40.67	23.55	57.03	-	-	P	V
		15767	38.5	-15.5	54	31.31	40.67	23.55	57.03	-	-	A	V
		17355	50.48	-17.72	68.2	40.28	41.55	25.05	56.4	-	-	P	V
		17835	51.7	-22.3	74	40.39	41.9	25.49	56.08	-	-	P	V
		17835	41.77	-12.23	54	30.46	41.9	25.49	56.08	-	-	A	V
													V
													V
													V

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)
		11570	61.32	-12.68	74	60.83	38.33	19.57	57.41	100	285	P	H
		11570	52.58	-1.42	54	52.09	38.33	19.57	57.41	100	285	A	H
		13391	47.35	-26.65	74	45.44	38.9	21.24	58.23	-	-	P	H
		14480	47.53	-26.47	74	44.05	39.28	22.29	58.09	-	-	P	H
		17355	51.34	-16.86	68.2	41.14	41.55	25.05	56.4	-	-	P	H
		17736	52.04	-21.96	74	40.94	41.83	25.41	56.14	-	-	P	H
		17736	41.67	-12.33	54	30.57	41.83	25.41	56.14	-	-	A	H
													H
													H
													H
802.11ax HE20 Partial BE CH 157 5785MHz													H
													H
		11570	57.61	-16.39	74	57.12	38.33	19.57	57.41	100	247	P	V
		11570	49.2	-4.8	54	48.71	38.33	19.57	57.41	100	247	A	V
		13358	48.03	-25.97	74	46.06	38.98	21.21	58.22	-	-	P	V
		13358	37.37	-16.63	54	35.4	38.98	21.21	58.22	-	-	A	V
		14499	47.38	-26.62	74	43.86	39.3	22.31	58.09	-	-	P	V
		17355	51.27	-16.93	68.2	41.07	41.55	25.05	56.4	-	-	P	V
		17813	52.31	-21.69	74	41.03	41.9	25.47	56.09	-	-	P	V
		17813	41.88	-12.12	54	30.6	41.9	25.47	56.09	-	-	A	V
													V
													V
													V
													V

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)
		11650	58.94	-15.06	74	58.1	38.48	19.64	57.28	100	296	P	H
		11650	52.57	-1.43	54	51.73	38.48	19.64	57.28	100	296	A	H
		13358	48.08	-25.92	74	46.11	38.98	21.21	58.22	-	-	P	H
		13358	37.43	-16.57	54	35.46	38.98	21.21	58.22	-	-	A	H
		14499	47.36	-26.64	74	43.83	39.3	22.32	58.09	-	-	P	H
		17475	51.19	-17.01	68.2	40.66	41.67	25.16	56.3	-	-	P	H
		17747	51.64	-22.36	74	40.5	41.85	25.42	56.13	-	-	P	H
		17747	41.52	-12.48	54	30.38	41.85	25.42	56.13	-	-	A	H
													H
													H
802.11ax HE20 Partial M CH 165 5825MHz													H
													H
		11650	54.16	-19.84	74	53.32	38.48	19.64	57.28	100	248	P	V
		11650	48.26	-5.74	54	47.42	38.48	19.64	57.28	100	248	A	V
		13369	47.37	-26.63	74	45.43	38.94	21.22	58.22	-	-	P	V
		14499	47.55	-26.45	74	44.03	39.3	22.31	58.09	-	-	P	V
		17475	50.96	-17.24	68.2	40.43	41.67	25.16	56.3	-	-	P	V
		17802	51.6	-22.4	74	40.34	41.9	25.46	56.1	-	-	P	V
		17802	41.99	-12.01	54	30.73	41.9	25.46	56.1	-	-	A	V
													V
													V
													V
													V
													V

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)
		11650	60.44	-13.56	74	59.6	38.48	19.64	57.28	100	289	P	H
		11650	52.71	-1.29	54	51.87	38.48	19.64	57.28	100	289	A	H
		13358	47.35	-26.65	74	45.38	38.98	21.21	58.22	-	-	P	H
		14480	48.13	-25.87	74	44.65	39.28	22.29	58.09	-	-	P	H
		14480	37.76	-16.24	54	34.28	39.28	22.29	58.09	-	-	A	H
		17475	50.66	-17.54	68.2	40.13	41.67	25.16	56.3	-	-	P	H
		17912	53.62	-20.38	74	42.18	41.9	25.57	56.03	-	-	P	H
		17912	42.45	-11.55	54	31.01	41.9	25.57	56.03	-	-	A	H
													H
													H
802.11ax HE20 Partial BE CH 165 5825MHz													H
													H
		11650	57.76	-16.24	74	56.92	38.48	19.64	57.28	100	247	P	V
		11650	48.33	-5.67	54	47.49	38.48	19.64	57.28	100	247	A	V
		13369	47.94	-26.06	74	46	38.94	21.22	58.22	-	-	P	V
		14480	47.85	-26.15	74	44.37	39.28	22.29	58.09	-	-	P	V
		17475	50.89	-17.31	68.2	40.36	41.67	25.16	56.3	-	-	P	V
		17857	51.42	-22.58	74	40.08	41.9	25.51	56.07	-	-	P	V
		17857	42.03	-11.97	54	30.69	41.9	25.51	56.07	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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)
		5645.4	50.87	-17.33	68.2	39.09	34.6	12.33	35.15	100	237	P	H
		5668	52.42	-29.14	81.56	40.62	34.6	12.35	35.15	100	237	P	H
		5719.2	58.91	-51.67	110.58	46.97	34.7	12.4	35.16	100	237	P	H
		5724.2	61.53	-58.85	120.38	49.59	34.7	12.4	35.16	100	237	P	H
	*	5755	113.14	-	-	101.15	34.73	12.43	35.17	100	237	P	H
	*	5755	105.3	-	-	93.31	34.73	12.43	35.17	100	237	A	H
		5851	50.26	-69.66	119.92	38.03	34.9	12.51	35.18	100	237	P	H
		5857.6	50.32	-59.75	110.07	38.08	34.9	12.52	35.18	100	237	P	H
		5918.4	49.38	-23.69	73.07	37.09	34.93	12.56	35.2	100	237	P	H
		5941.6	48.53	-19.67	68.2	36.16	35	12.57	35.2	100	237	P	H
802.11ax													H
HE40 Full													H
CH 151		5626	49.12	-19.08	68.2	37.25	34.7	12.31	35.14	100	268	P	V
5755MHz		5698.2	52.64	-51.23	103.87	40.72	34.7	12.38	35.16	100	268	P	V
		5716.6	56.41	-53.44	109.85	44.47	34.7	12.4	35.16	100	268	P	V
		5721.8	59.81	-55.09	114.9	47.87	34.7	12.4	35.16	100	268	P	V
	*	5755	112.7	-	-	100.71	34.73	12.43	35.17	100	268	P	V
	*	5755	104.94	-	-	92.95	34.73	12.43	35.17	100	268	A	V
		5850.6	50.76	-70.07	120.83	38.53	34.9	12.51	35.18	100	268	P	V
		5859.6	50.23	-59.28	109.51	38	34.9	12.52	35.19	100	268	P	V
		5904.6	49.14	-34.12	83.26	36.85	34.93	12.55	35.19	100	268	P	V
		5947	48.63	-19.57	68.2	36.25	35	12.58	35.2	100	268	P	V
													V
													V

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)
		5644.6	49.49	-18.71	68.2	37.72	34.6	12.32	35.15	100	239	P	H
		5688	50.4	-45.95	96.35	38.49	34.7	12.37	35.16	100	239	P	H
		5707.6	51.65	-55.68	107.33	39.72	34.7	12.39	35.16	100	239	P	H
		5722.6	58.39	-58.34	116.73	46.45	34.7	12.4	35.16	100	239	P	H
	*	5795	115.98	-	-	103.88	34.8	12.47	35.17	100	239	P	H
	*	5795	107.42	-	-	95.32	34.8	12.47	35.17	100	239	A	H
		5850.2	57.23	-64.51	121.74	45	34.9	12.51	35.18	100	239	P	H
		5861.6	55.55	-53.4	108.95	43.32	34.9	12.52	35.19	100	239	P	H
		5915.6	49.89	-25.24	75.13	37.6	34.93	12.56	35.2	100	239	P	H
		5935.6	50.21	-17.99	68.2	37.87	34.97	12.57	35.2	100	239	P	H
802.11ax													H
HE40 Full													H
CH 159		5613.4	49.41	-18.79	68.2	37.46	34.8	12.29	35.14	100	266	P	V
5795MHz		5698	51.02	-52.71	103.73	39.1	34.7	12.38	35.16	100	266	P	V
		5716.4	54.49	-55.3	109.79	42.55	34.7	12.4	35.16	100	266	P	V
		5724.8	54.78	-66.96	121.74	42.84	34.7	12.4	35.16	100	266	P	V
	*	5795	115.68	-	-	103.58	34.8	12.47	35.17	100	266	P	V
	*	5795	107.25	-	-	95.15	34.8	12.47	35.17	100	266	A	V
		5850	61.69	-60.51	122.2	49.46	34.9	12.51	35.18	100	266	P	V
		5858.2	62	-47.9	109.9	49.77	34.9	12.52	35.19	100	266	P	V
		5879	49.1	-53.13	102.23	36.86	34.9	12.53	35.19	100	266	P	V
		5944.2	50.02	-18.18	68.2	37.65	35	12.57	35.2	100	266	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11510	61.83	-12.17	74	61.6	38.2	19.53	57.5	100	297	P	H
		11510	52.86	-1.14	54	52.63	38.2	19.53	57.5	100	297	A	H
		13369	48.69	-25.31	74	46.75	38.94	21.22	58.22	-	-	P	H
		13369	35.51	-18.49	54	33.57	38.94	21.22	58.22	-	-	A	H
		15712	48.65	-25.35	74	41.63	40.6	23.5	57.08	-	-	P	H
		15712	38.08	-15.92	54	31.06	40.6	23.5	57.08	-	-	A	H
		17265	49.3	-18.9	68.2	39.35	41.47	24.96	56.48	-	-	P	H
		17978	52.12	-21.88	74	40.58	41.9	25.63	55.99	-	-	P	H
		17978	40.6	-13.4	54	29.06	41.9	25.63	55.99	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	58.44	-15.56	74	58.21	38.2	19.53	57.5	400	213	P	V
5755MHz		11510	48.57	-5.43	54	48.34	38.2	19.53	57.5	400	213	A	V
		12522	48.34	-25.66	74	45.84	39.03	20.43	56.96	-	-	P	V
		12522	35.74	-18.26	54	33.24	39.03	20.43	56.96	-	-	A	V
		15756	48.44	-25.56	74	41.29	40.65	23.54	57.04	-	-	P	V
		15756	38.05	-15.95	54	30.9	40.65	23.54	57.04	-	-	A	V
		17265	49.85	-18.35	68.2	39.9	41.47	24.96	56.48	-	-	P	V
		17890	51.22	-22.78	74	39.83	41.9	25.54	56.05	-	-	P	V
		17890	41.14	-12.86	54	29.75	41.9	25.54	56.05	-	-	A	V
													V
													V
													V

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)
		11590	60.47	-13.53	74	59.88	38.37	19.59	57.37	100	299	P	H
		11590	52.52	-1.48	54	51.93	38.37	19.59	57.37	100	299	A	H
		13369	48.63	-25.37	74	46.69	38.94	21.22	58.22	-	-	P	H
		13369	35.5	-18.5	54	33.56	38.94	21.22	58.22	-	-	A	H
		15712	48.34	-25.66	74	41.32	40.6	23.5	57.08	-	-	P	H
		15712	38.05	-15.95	54	31.03	40.6	23.5	57.08	-	-	A	H
		17385	50.49	-17.71	68.2	40.21	41.58	25.08	56.38	-	-	P	H
		17934	52.23	-21.77	74	40.76	41.9	25.59	56.02	-	-	P	H
		17934	40.96	-13.04	54	29.49	41.9	25.59	56.02	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	56.3	-17.7	74	55.71	38.37	19.59	57.37	394	212	P	V
5795MHz		11590	48.65	-5.35	54	48.06	38.37	19.59	57.37	394	212	A	V
		13281	48.38	-25.62	74	46.37	39.07	21.14	58.2	-	-	P	V
		13281	35.32	-18.68	54	33.31	39.07	21.14	58.2	-	-	A	V
		15877	49.51	-24.49	74	42.01	40.78	23.66	56.94	-	-	P	V
		15877	38.01	-15.99	54	30.51	40.78	23.66	56.94	-	-	A	V
		17385	50.14	-18.06	68.2	39.86	41.58	25.08	56.38	-	-	P	V
		17791	51.57	-22.43	74	40.32	41.9	25.46	56.11	-	-	P	V
		17791	40.19	-13.81	54	28.94	41.9	25.46	56.11	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial RU (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)
		5641.6	52.91	-15.29	68.2	41.14	34.6	12.32	35.15	100	246	P	H
		5693.8	55.49	-45.14	100.63	43.58	34.7	12.37	35.16	100	246	P	H
		5716.6	69.13	-40.72	109.85	57.19	34.7	12.4	35.16	100	246	P	H
		5724	62.65	-57.27	119.92	50.71	34.7	12.4	35.16	100	246	P	H
	*	5755	112.7	-	-	100.71	34.73	12.43	35.17	100	246	P	H
	*	5755	105.68	-	-	93.69	34.73	12.43	35.17	100	246	A	H
		5854.4	50.02	-62.15	112.17	37.78	34.9	12.52	35.18	100	246	P	H
		5855.6	50.49	-60.14	110.63	38.25	34.9	12.52	35.18	100	246	P	H
		5890.6	49.75	-43.87	93.62	37.5	34.9	12.54	35.19	100	246	P	H
		5944.6	50.41	-17.79	68.2	38.04	35	12.57	35.2	100	246	P	H
802.11ax HE40 Partial M CH 151 5755MHz													H
													H
		5634	52.16	-16.04	68.2	40.4	34.6	12.31	35.15	100	246	P	V
		5683.4	56.16	-36.79	92.95	44.36	34.6	12.36	35.16	100	246	P	V
		5713.6	63.97	-45.04	109.01	52.04	34.7	12.39	35.16	100	246	P	V
		5720.8	66.55	-46.07	112.62	54.61	34.7	12.4	35.16	100	246	P	V
	*	5755	112.52	-	-	100.53	34.73	12.43	35.17	100	246	P	V
	*	5755	104.91	-	-	92.92	34.73	12.43	35.17	100	246	A	V
		5852.2	49.63	-67.55	117.18	37.4	34.9	12.51	35.18	100	246	P	V
		5860.2	52.24	-57.1	109.34	40.01	34.9	12.52	35.19	100	246	P	V
		5924	50.21	-18.73	68.94	37.88	34.97	12.56	35.2	100	246	P	V
		5937	49.98	-18.22	68.2	37.64	34.97	12.57	35.2	100	246	P	V
													V
													V

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)
		5617	50.6	-17.6	68.2	38.74	34.7	12.3	35.14	100	234	P	H
		5655.2	51.02	-21.04	72.06	39.33	34.5	12.34	35.15	100	234	P	H
		5709.2	50.25	-57.53	107.78	38.32	34.7	12.39	35.16	100	234	P	H
		5725	58.98	-63.22	122.2	47.04	34.7	12.4	35.16	100	234	P	H
	*	5755	111.66	-	-	99.67	34.73	12.43	35.17	100	234	P	H
	*	5755	103.61	-	-	91.62	34.73	12.43	35.17	100	234	A	H
		5852.8	49.24	-66.58	115.82	37.01	34.9	12.51	35.18	100	234	P	H
		5859.2	49.57	-60.05	109.62	37.34	34.9	12.52	35.19	100	234	P	H
		5875.4	49.79	-55.11	104.9	37.55	34.9	12.53	35.19	100	234	P	H
		5948.4	49.82	-18.38	68.2	37.44	35	12.58	35.2	100	234	P	H
802.11ax HE40 Partial BE CH 151 5755MHz													H
													H
		5611.2	49.19	-19.01	68.2	37.24	34.8	12.29	35.14	100	259	P	V
		5695.2	49.84	-51.82	101.66	37.92	34.7	12.38	35.16	100	259	P	V
		5709.2	60.61	-47.17	107.78	48.68	34.7	12.39	35.16	100	259	P	V
		5725	56.89	-65.31	122.2	44.95	34.7	12.4	35.16	100	259	P	V
	*	5755	111.03	-	-	99.04	34.73	12.43	35.17	100	259	P	V
	*	5755	103.17	-	-	91.18	34.73	12.43	35.17	100	259	A	V
		5852.6	49.96	-66.31	116.27	37.73	34.9	12.51	35.18	100	259	P	V
		5860.4	51.29	-58	109.29	39.06	34.9	12.52	35.19	100	259	P	V
		5905.4	49.24	-33.43	82.67	36.95	34.93	12.55	35.19	100	259	P	V
		5935.6	48.89	-19.31	68.2	36.55	34.97	12.57	35.2	100	259	P	V
													V
													V

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)
		5614.8	50.65	-17.55	68.2	38.7	34.8	12.29	35.14	100	226	P	H
		5670.4	52.49	-30.85	83.34	40.69	34.6	12.35	35.15	100	226	P	H
		5719.2	58.39	-52.19	110.58	46.45	34.7	12.4	35.16	100	226	P	H
		5721.2	55.75	-57.79	113.54	43.81	34.7	12.4	35.16	100	226	P	H
	*	5795	115.2	-	-	103.1	34.8	12.47	35.17	100	226	P	H
	*	5795	107.76	-	-	95.66	34.8	12.47	35.17	100	226	A	H
		5850.4	64.96	-56.33	121.29	52.73	34.9	12.51	35.18	100	226	P	H
		5869	58.59	-48.29	106.88	46.36	34.9	12.52	35.19	100	226	P	H
		5900.6	50.21	-36.01	86.22	37.95	34.9	12.55	35.19	100	226	P	H
		5944.8	49.96	-18.24	68.2	37.59	35	12.57	35.2	100	226	P	H
802.11ax HE40 Partial M CH 159 5795MHz													H
													H
		5626.4	49.83	-18.37	68.2	37.96	34.7	12.31	35.14	100	265	P	V
		5696.2	58.86	-43.54	102.4	46.94	34.7	12.38	35.16	100	265	P	V
		5716.8	64.69	-45.22	109.91	52.75	34.7	12.4	35.16	100	265	P	V
		5721.8	66.29	-48.61	114.9	54.35	34.7	12.4	35.16	100	265	P	V
	*	5795	113.3	-	-	101.2	34.8	12.47	35.17	100	265	P	V
	*	5795	106.39	-	-	94.29	34.8	12.47	35.17	100	265	A	V
		5853.2	59.89	-55.01	114.9	47.66	34.9	12.51	35.18	100	265	P	V
		5862	63.43	-45.41	108.84	51.2	34.9	12.52	35.19	100	265	P	V
		5915.8	50.23	-24.75	74.98	37.94	34.93	12.56	35.2	100	265	P	V
		5928	50.2	-18	68.2	37.87	34.97	12.56	35.2	100	265	P	V
													V
													V

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 Partial BE CH 159 5795MHz		5625.8	50.79	-17.41	68.2	38.92	34.7	12.31	35.14	100	234	P	H
		5695.4	52.39	-49.42	101.81	40.47	34.7	12.38	35.16	100	234	P	H
		5710.8	50.9	-57.33	108.23	38.97	34.7	12.39	35.16	100	234	P	H
		5722	49.36	-66	115.36	37.42	34.7	12.4	35.16	100	234	P	H
	*	5795	114.86	-	-	102.76	34.8	12.47	35.17	100	234	P	H
	*	5795	106.84	-	-	94.74	34.8	12.47	35.17	100	234	A	H
		5854.6	51.39	-60.32	111.71	39.15	34.9	12.52	35.18	100	234	P	H
		5860.2	51.03	-58.31	109.34	38.8	34.9	12.52	35.19	100	234	P	H
		5902.8	50.78	-33.81	84.59	38.52	34.9	12.55	35.19	100	234	P	H
		5925.4	48.53	-19.67	68.2	36.2	34.97	12.56	35.2	100	234	P	H
													H
													H
		5623.2	51.08	-17.12	68.2	39.22	34.7	12.3	35.14	100	254	P	V
		5688.4	52.17	-44.47	96.64	40.26	34.7	12.37	35.16	100	254	P	V
		5700.4	52.43	-52.88	105.31	40.51	34.7	12.38	35.16	100	254	P	V
		5724.6	52.14	-69.15	121.29	40.2	34.7	12.4	35.16	100	254	P	V
	*	5795	114.2	-	-	102.1	34.8	12.47	35.17	100	254	P	V
	*	5795	106.43	-	-	94.33	34.8	12.47	35.17	100	254	A	V
		5854.2	52.34	-60.28	112.62	40.1	34.9	12.52	35.18	100	254	P	V
		5861.6	51.85	-57.1	108.95	39.62	34.9	12.52	35.19	100	254	P	V
		5908.6	49.6	-30.7	80.3	37.31	34.93	12.55	35.19	100	254	P	V
		5942.8	50.17	-18.03	68.2	37.8	35	12.57	35.2	100	254	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial RU (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)
		11510	60.66	-13.34	74	60.43	38.2	19.53	57.5	100	286	P	H
		11510	52.6	-1.4	54	52.37	38.2	19.53	57.5	100	286	A	H
		13380	49.06	-24.94	74	47.12	38.94	21.23	58.23	-	-	P	H
		13380	37.81	-16.19	54	35.87	38.94	21.23	58.23	-	-	A	H
		14499	47.58	-26.42	74	44.06	39.3	22.31	58.09	-	-	P	H
		17265	50.17	-18.03	68.2	40.22	41.47	24.96	56.48	-	-	P	H
		17934	51.7	-22.3	74	40.23	41.9	25.59	56.02	-	-	P	H
		17934	41.96	-12.04	54	30.49	41.9	25.59	56.02	-	-	A	H
													H
													H
802.11ax HE40 Partial M CH 151 5755MHz													H
													H
		11510	55.79	-18.21	74	55.56	38.2	19.53	57.5	100	241	P	V
		11510	48.48	-5.52	54	48.25	38.2	19.53	57.5	100	241	A	V
		13369	47.81	-26.19	74	45.87	38.94	21.22	58.22	-	-	P	V
		14502	47.77	-20.43	68.2	44.24	39.3	22.32	58.09	-	-	P	V
		17265	49.83	-18.37	68.2	39.88	41.47	24.96	56.48	-	-	P	V
		17879	52.11	-21.89	74	40.73	41.9	25.53	56.05	-	-	P	V
		17879	41.96	-12.04	54	30.58	41.9	25.53	56.05	-	-	A	V
													V
													V
													V
													V
													V

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)
		11510	60.5	-13.5	74	60.27	38.2	19.53	57.5	100	287	P	H
		11510	52.43	-1.57	54	52.2	38.2	19.53	57.5	100	287	A	H
		13358	48.1	-25.9	74	46.13	38.98	21.21	58.22	-	-	P	H
		13358	37.42	-16.58	54	35.45	38.98	21.21	58.22	-	-	A	H
		14491	47.63	-26.37	74	44.12	39.3	22.3	58.09	-	-	P	H
		17265	49.54	-18.66	68.2	39.59	41.47	24.96	56.48	-	-	P	H
		17835	52.07	-21.93	74	40.76	41.9	25.49	56.08	-	-	P	H
		17835	41.87	-12.13	54	30.56	41.9	25.49	56.08	-	-	A	H
													H
													H
802.11ax HE40 Partial BE CH 151 5755MHz													H
													H
		11510	55.48	-18.52	74	55.25	38.2	19.53	57.5	100	246	P	V
		11510	46.82	-7.18	54	46.59	38.2	19.53	57.5	100	246	A	V
		13336	46.89	-27.11	74	44.89	39.02	21.19	58.21	-	-	P	V
		14480	47.64	-26.36	74	44.16	39.28	22.29	58.09	-	-	P	V
		17265	49.55	-18.65	68.2	39.6	41.47	24.96	56.48	-	-	P	V
		17857	52.53	-21.47	74	41.19	41.9	25.51	56.07	-	-	P	V
		17857	42.21	-11.79	54	30.87	41.9	25.51	56.07	-	-	A	V
													V
													V
													V
													V
													V

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)
		11590	60.17	-13.83	74	59.58	38.37	19.59	57.37	100	290	P	H
		11590	52.35	-1.65	54	51.76	38.37	19.59	57.37	100	290	A	H
		13369	47.85	-26.15	74	45.91	38.94	21.22	58.22	-	-	P	H
		14499	47.35	-26.65	74	43.82	39.3	22.32	58.09	-	-	P	H
		17385	50.63	-17.57	68.2	40.35	41.58	25.08	56.38	-	-	P	H
		17758	51.83	-22.17	74	40.66	41.87	25.43	56.13	-	-	P	H
		17758	41.81	-12.19	54	30.64	41.87	25.43	56.13	-	-	A	H
													H
													H
													H
802.11ax HE40 Partial M CH 159 5795MHz													H
													H
		11590	56.18	-17.82	74	55.59	38.37	19.59	57.37	100	245	P	V
		11590	47.7	-6.3	54	47.11	38.37	19.59	57.37	100	245	A	V
		13369	47.41	-26.59	74	45.47	38.94	21.22	58.22	-	-	P	V
		14491	47.03	-26.97	74	43.52	39.3	22.3	58.09	-	-	P	V
		17385	51.01	-17.19	68.2	40.73	41.58	25.08	56.38	-	-	P	V
		17835	51.98	-22.02	74	40.67	41.9	25.49	56.08	-	-	P	V
		17835	42.04	-11.96	54	30.73	41.9	25.49	56.08	-	-	A	V
													V
													V
													V
													V
													V

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 Partial BE CH 159 5795MHz		11590	61.27	-12.73	74	60.68	38.37	19.59	57.37	100	289	P	H
		11590	52.75	-1.25	54	52.16	38.37	19.59	57.37	100	289	A	H
		13336	47.08	-26.92	74	45.08	39.02	21.19	58.21	-	-	P	H
		14499	47.98	-26.02	74	44.45	39.3	22.32	58.09	-	-	P	H
		17385	50.8	-17.4	68.2	40.52	41.58	25.08	56.38	-	-	P	H
		17780	52.09	-21.91	74	40.87	41.88	25.45	56.11	-	-	P	H
		17780	41.85	-12.15	54	30.63	41.88	25.45	56.11	-	-	A	H
													H
													H
													H
													H
													H
		11590	55.77	-18.23	74	55.18	38.37	19.59	57.37	100	244	P	V
		11590	47.4	-6.6	54	46.81	38.37	19.59	57.37	100	244	A	V
		13380	47.25	-26.75	74	45.31	38.94	21.23	58.23	-	-	P	V
		14499	47.2	-26.8	74	43.68	39.3	22.31	58.09	-	-	P	V
		17385	50.97	-17.23	68.2	40.69	41.58	25.08	56.38	-	-	P	V
		17912	51.93	-22.07	74	40.49	41.9	25.57	56.03	-	-	P	V
		17912	42.14	-11.86	54	30.7	41.9	25.57	56.03	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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)
		5643	66.7	-1.5	68.2	54.93	34.6	12.32	35.15	100	240	P	H
		5682.4	80.22	-11.99	92.21	68.42	34.6	12.36	35.16	100	240	P	H
		5700.6	83.92	-21.45	105.37	72	34.7	12.38	35.16	100	240	P	H
		5722	87.6	-27.76	115.36	75.66	34.7	12.4	35.16	100	240	P	H
	*	5775	115.28	-	-	103.23	34.77	12.45	35.17	100	245	P	H
	*	5775	107	-	-	94.95	34.77	12.45	35.17	100	245	A	H
		5854.6	70.77	-40.94	111.71	58.53	34.9	12.52	35.18	100	240	P	H
		5862.6	78.34	-30.33	108.67	66.11	34.9	12.52	35.19	100	240	P	H
		5875	58.23	-46.97	105.2	45.99	34.9	12.53	35.19	100	240	P	H
		5936.6	49.26	-18.94	68.2	36.92	34.97	12.57	35.2	100	240	P	H
802.11ax													H
HE80 Full													H
CH 155		5637.4	61.62	-6.58	68.2	49.85	34.6	12.32	35.15	100	269	P	V
5775MHz		5695.8	80.45	-21.65	102.1	68.53	34.7	12.38	35.16	100	269	P	V
		5717.2	83.95	-26.07	110.02	72.01	34.7	12.4	35.16	100	269	P	V
		5724.8	81.64	-40.1	121.74	69.7	34.7	12.4	35.16	100	269	P	V
	*	5775	115	-	-	102.95	34.77	12.45	35.17	100	269	P	V
	*	5775	106.32	-	-	94.27	34.77	12.45	35.17	100	269	A	V
		5850.2	81.86	-39.88	121.74	69.63	34.9	12.51	35.18	100	269	P	V
		5856	81.04	-29.48	110.52	68.8	34.9	12.52	35.18	100	269	P	V
		5876	62.39	-42.07	104.46	50.15	34.9	12.53	35.19	100	269	P	V
		5947.6	49.87	-18.33	68.2	37.49	35	12.58	35.2	100	269	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11550	60.66	-13.34	74	60.24	38.3	19.56	57.44	100	299	P	H
		11550	52.59	-1.41	54	52.17	38.3	19.56	57.44	100	299	A	H
		12610	48	-26	74	45.55	39.12	20.51	57.18	-	-	P	H
		12610	36.18	-17.82	54	33.73	39.12	20.51	57.18	-	-	A	H
		15866	48.21	-25.79	74	40.75	40.76	23.65	56.95	-	-	P	H
		15866	38.32	-15.68	54	30.86	40.76	23.65	56.95	-	-	A	H
		17325	49.26	-18.94	68.2	39.15	41.52	25.02	56.43	-	-	P	H
		17780	51.79	-22.21	74	40.57	41.88	25.45	56.11	-	-	P	H
		17780	41.14	-12.86	54	29.92	41.88	25.45	56.11	-	-	A	H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	55.47	-18.53	74	55.05	38.3	19.56	57.44	386	211	P	V
5775MHz		11550	47.99	-6.01	54	47.57	38.3	19.56	57.44	386	211	A	V
		12588	48.04	-25.96	74	45.57	39.1	20.49	57.12	-	-	P	V
		12588	36.32	-17.68	54	33.85	39.1	20.49	57.12	-	-	A	V
		15778	47.94	-26.06	74	40.73	40.67	23.56	57.02	-	-	P	V
		15778	38.1	-15.9	54	30.89	40.67	23.56	57.02	-	-	A	V
		17325	49.77	-18.43	68.2	39.66	41.52	25.02	56.43	-	-	P	V
		17769	51.38	-22.62	74	40.19	41.87	25.44	56.12	-	-	P	V
		17769	41.33	-12.67	54	30.14	41.87	25.44	56.12	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Partial RU (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)
		5629.6	66.08	-2.12	68.2	54.22	34.7	12.31	35.15	100	232	P	H
		5681.8	78.42	-13.35	91.77	66.62	34.6	12.36	35.16	100	232	P	H
		5702.4	79.84	-26.03	105.87	67.92	34.7	12.38	35.16	100	232	P	H
		5724.8	65.18	-56.56	121.74	53.24	34.7	12.4	35.16	100	232	P	H
	*	5775	113.64	-	-	101.59	34.77	12.45	35.17	100	240	P	H
	*	5775	106.28	-	-	94.23	34.77	12.45	35.17	100	240	A	H
		5850.2	70.87	-50.87	121.74	58.64	34.9	12.51	35.18	100	232	P	H
		5862	78.75	-30.09	108.84	66.52	34.9	12.52	35.19	100	232	P	H
		5877	56.54	-47.17	103.71	44.3	34.9	12.53	35.19	100	232	P	H
		5948.8	49.7	-18.5	68.2	37.32	35	12.58	35.2	100	232	P	H
802.11ax HE80 Partial M CH 155 5775MHz													H
													H
		5624.2	59.98	-8.22	68.2	48.12	34.7	12.3	35.14	100	258	P	V
		5694.6	77.02	-24.2	101.22	65.11	34.7	12.37	35.16	100	258	P	V
		5700.2	69.19	-36.07	105.26	57.27	34.7	12.38	35.16	100	258	P	V
		5722.6	78.36	-38.37	116.73	66.42	34.7	12.4	35.16	100	258	P	V
	*	5775	111.86	-	-	99.81	34.77	12.45	35.17	100	258	P	V
	*	5775	104.67	-	-	92.62	34.77	12.45	35.17	100	258	A	V
		5854.6	75.93	-35.78	111.71	63.69	34.9	12.52	35.18	100	258	P	V
		5862.6	80.6	-28.07	108.67	68.37	34.9	12.52	35.19	100	258	P	V
		5876.6	61.3	-42.71	104.01	49.06	34.9	12.53	35.19	100	258	P	V
		5937.6	49.42	-18.78	68.2	37.08	34.97	12.57	35.2	100	258	P	V
													V
													V

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 Partial BE CH 155 5775MHz		5627	61.63	-6.57	68.2	49.76	34.7	12.31	35.14	100	237	P	H
		5695.8	66.52	-35.58	102.1	54.6	34.7	12.38	35.16	100	237	P	H
		5703.2	83.2	-22.9	106.1	71.28	34.7	12.38	35.16	100	237	P	H
		5724.6	78.45	-42.84	121.29	66.51	34.7	12.4	35.16	100	237	P	H
	*	5775	114.7	-	-	102.65	34.77	12.45	35.17	100	237	P	H
	*	5775	106.74	-	-	94.69	34.77	12.45	35.17	100	237	A	H
		5851	74.06	-45.86	119.92	61.83	34.9	12.51	35.18	100	237	P	H
		5857.6	66	-44.07	110.07	53.76	34.9	12.52	35.18	100	237	P	H
		5875.2	54.17	-50.88	105.05	41.93	34.9	12.53	35.19	100	237	P	H
		5938.2	50.19	-18.01	68.2	37.85	34.97	12.57	35.2	100	237	P	H
													H
													H
		5643.6	55.38	-12.82	68.2	43.61	34.6	12.32	35.15	100	257	P	V
		5698.8	70.96	-33.36	104.32	59.04	34.7	12.38	35.16	100	257	P	V
		5716.6	79.63	-30.22	109.85	67.69	34.7	12.4	35.16	100	257	P	V
		5725	78.9	-43.3	122.2	66.96	34.7	12.4	35.16	100	257	P	V
	*	5775	114.15	-	-	102.1	34.77	12.45	35.17	100	257	P	V
	*	5775	105.93	-	-	93.88	34.77	12.45	35.17	100	257	A	V
		5852.4	72.91	-43.82	116.73	60.68	34.9	12.51	35.18	100	257	P	V
		5857.4	71.57	-38.56	110.13	59.33	34.9	12.52	35.18	100	257	P	V
		5876	54.94	-49.52	104.46	42.7	34.9	12.53	35.19	100	257	P	V
		5948.6	50.25	-17.95	68.2	37.87	35	12.58	35.2	100	257	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Partial RU (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)
		11550	59.52	-14.48	74	59.1	38.3	19.56	57.44	100	285	P	H
		11550	52.89	-1.11	54	52.47	38.3	19.56	57.44	100	285	A	H
		13358	48.54	-25.46	74	46.57	38.98	21.21	58.22	-	-	P	H
		13358	36.78	-17.22	54	34.81	38.98	21.21	58.22	-	-	A	H
		15712	49.35	-24.65	74	42.33	40.6	23.5	57.08	-	-	P	H
		15712	39.27	-14.73	54	32.25	40.6	23.5	57.08	-	-	A	H
		17325	51.36	-16.84	68.2	41.25	41.52	25.02	56.43	-	-	P	H
		17747	52.49	-21.51	74	41.35	41.85	25.42	56.13	-	-	P	H
		17747	42.48	-11.52	54	31.34	41.85	25.42	56.13	-	-	A	H
													H
802.11ax HE80 Partial M CH 155 5775MHz													H
													H
		11550	55.56	-18.44	74	55.14	38.3	19.56	57.44	400	314	P	V
		11550	48.64	-5.36	54	48.22	38.3	19.56	57.44	400	314	A	V
		13336	47.94	-26.06	74	45.94	39.02	21.19	58.21	-	-	P	V
		16199	49.3	-24.7	74	41.08	41	23.97	56.75	-	-	P	V
		16199	39.68	-14.32	54	31.46	41	23.97	56.75	-	-	A	V
		17325	49.92	-18.28	68.2	39.81	41.52	25.02	56.43	-	-	P	V
		17714	52.05	-21.95	74	40.99	41.82	25.39	56.15	-	-	P	V
		17714	42.93	-11.07	54	31.87	41.82	25.39	56.15	-	-	A	V
													V
													V
													V
													V

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)
		11550	61.35	-12.65	74	60.93	38.3	19.56	57.44	100	285	P	H
		11550	52.65	-1.35	54	52.23	38.3	19.56	57.44	100	285	A	H
		13336	47.68	-26.32	74	45.68	39.02	21.19	58.21	-	-	P	H
		15888	48.69	-25.31	74	41.15	40.8	23.67	56.93	-	-	P	H
		15888	40.13	-13.87	54	32.59	40.8	23.67	56.93	-	-	A	H
		17325	51.17	-17.03	68.2	41.06	41.52	25.02	56.43	-	-	P	H
		17846	51.94	-22.06	74	40.61	41.9	25.5	56.07	-	-	P	H
		17846	42	-12	54	30.67	41.9	25.5	56.07	-	-	A	H
													H
													H
802.11ax HE80 Partial BE CH 155 5775MHz													H
													H
		11550	56.04	-17.96	74	55.62	38.3	19.56	57.44	400	313	P	V
		11550	48.49	-5.51	54	48.07	38.3	19.56	57.44	400	313	A	V
		13325	48.02	-25.98	74	45.99	39.06	21.18	58.21	-	-	P	V
		13325	37.02	-16.98	54	34.99	39.06	21.18	58.21	-	-	A	V
		15899	49.31	-24.69	74	41.75	40.8	23.68	56.92	-	-	P	V
		15899	40.81	-13.19	54	33.25	40.8	23.68	56.92	-	-	A	V
		17325	50.63	-17.57	68.2	40.52	41.52	25.02	56.43	-	-	P	V
		17868	51.56	-22.44	74	40.2	41.9	25.52	56.06	-	-	P	V
		17868	41.73	-12.27	54	30.37	41.9	25.52	56.06	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission above 18GHz

5GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

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)
802.11ax HE20 Full SHF		39758	43.77	-30.23	74	45.83	44.6	12.02	58.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39626	42.23	-31.77	74	44.72	44.5	11.96	58.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

5GHz WIFI 802.11ax HE20 Full (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)
802.11ax HE20 Full LF		103.44	30.59	-12.91	43.5	42.52	16.32	1.74	29.99	-	-	P	H
		184.17	32.55	-10.95	43.5	45.45	14.8	2.27	29.97	-	-	P	H
		292.44	32.59	-13.41	46	40.61	19.17	2.79	29.98	-	-	P	H
		331.5	29.8	-16.2	46	37.12	19.74	2.92	29.98	-	-	P	H
		500.2	31.7	-14.3	46	34.18	23.82	3.55	29.85	-	-	P	H
		953.1	32.86	-13.14	46	26.22	30.46	4.88	28.7	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	33.11	-6.89	40	37.67	24.57	0.9	30.03	-	-	P	V
		56.19	29.77	-10.23	40	46.06	12.37	1.35	30.01	-	-	P	V
		183.9	32.92	-10.58	43.5	45.82	14.8	2.27	29.97	-	-	P	V
		476.4	29.24	-16.76	46	32.14	23.51	3.47	29.88	-	-	P	V
		500.2	33.03	-12.97	46	35.51	23.82	3.55	29.85	-	-	P	V
		959.4	32.89	-13.11	46	25.85	30.8	4.91	28.67	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

<TXBF Mode>

Band 4 - 5725~5850MHz

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)
		5611	50.05	-18.15	68.2	37.94	34.96	12.29	35.14	100	239	P	H
		5664.2	50.35	-28.39	78.74	38.3	34.86	12.34	35.15	100	239	P	H
		5719.6	52.05	-58.64	110.69	39.81	35	12.4	35.16	100	239	P	H
		5724.6	54.81	-66.48	121.29	42.57	35	12.4	35.16	100	239	P	H
	*	5745	111.5	-	-	99.25	35	12.42	35.17	100	239	P	H
	*	5745	104.57	-	-	92.32	35	12.42	35.17	100	239	A	H
802.11ax													H
HE20 Full													H
CH 149		5643.8	48.91	-19.29	68.2	36.92	34.82	12.32	35.15	100	263	P	V
5745MHz		5685.6	50.19	-44.39	94.58	38.04	34.94	12.37	35.16	100	263	P	V
		5720	51.16	-59.64	110.8	38.92	35	12.4	35.16	100	263	P	V
		5725	58.05	-64.15	122.2	45.81	35	12.4	35.16	100	263	P	V
	*	5745	112.75	-	-	100.5	35	12.42	35.17	100	263	P	V
	*	5745	104.91	-	-	92.66	35	12.42	35.17	100	263	A	V
													V
													V

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)
		5634.2	49.09	-19.11	68.2	37.07	34.86	12.31	35.15	116	240	P	H
		5694.2	49.95	-50.97	100.92	37.76	34.98	12.37	35.16	116	240	P	H
		5715.6	49.2	-60.37	109.57	36.96	35	12.4	35.16	116	240	P	H
		5722.6	48.9	-67.83	116.73	36.66	35	12.4	35.16	116	240	P	H
	*	5785	112.6	-	-	100.45	34.86	12.46	35.17	116	240	P	H
	*	5785	105.72	-	-	93.57	34.86	12.46	35.17	116	240	A	H
		5852.4	49.43	-67.3	116.73	37.29	34.81	12.51	35.18	116	240	P	H
		5873.4	49.4	-56.25	105.65	37.17	34.89	12.53	35.19	116	240	P	H
		5893.8	50.03	-41.22	91.25	37.7	34.98	12.54	35.19	116	240	P	H
		5935.4	49.99	-18.21	68.2	37.55	35.07	12.57	35.2	116	240	P	H
802.11ax													H
HE20 Full													H
CH 157		5611	48.72	-19.48	68.2	36.61	34.96	12.29	35.14	100	259	P	V
5785MHz		5687.8	49.93	-46.27	96.2	37.77	34.95	12.37	35.16	100	259	P	V
		5706.2	48.62	-58.32	106.94	36.39	35	12.39	35.16	100	259	P	V
		5725	49.55	-72.65	122.2	37.31	35	12.4	35.16	100	259	P	V
	*	5785	112.16	-	-	100.01	34.86	12.46	35.17	100	259	P	V
	*	5785	104.53	-	-	92.38	34.86	12.46	35.17	100	259	A	V
		5852	50.01	-67.63	117.64	37.87	34.81	12.51	35.18	100	259	P	V
		5866.2	49.3	-58.36	107.66	37.11	34.86	12.52	35.19	100	259	P	V
		5892	49.83	-42.75	92.58	37.51	34.97	12.54	35.19	100	259	P	V
		5928.8	50.57	-17.63	68.2	38.15	35.06	12.56	35.2	100	259	P	V
													V
													V

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)
	*	5825	117.18	-	-	105.06	34.8	12.5	35.18	100	230	P	H
	*	5825	109.47	-	-	97.35	34.8	12.5	35.18	100	230	A	H
		5853	56.78	-58.58	115.36	44.64	34.81	12.51	35.18	100	230	P	H
		5855.6	53.02	-57.61	110.63	40.86	34.82	12.52	35.18	100	230	P	H
		5900.6	50.38	-35.84	86.22	38.02	35	12.55	35.19	100	230	P	H
		5943.4	49.82	-18.38	68.2	37.36	35.09	12.57	35.2	100	230	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	115.97	-	-	103.85	34.8	12.5	35.18	100	242	P	V
5825MHz	*	5825	108.74	-	-	96.62	34.8	12.5	35.18	100	242	A	V
		5853.8	56.85	-56.69	113.54	44.7	34.82	12.51	35.18	100	242	P	V
		5855.2	54.66	-56.08	110.74	42.5	34.82	12.52	35.18	100	242	P	V
		5883.8	49.82	-48.85	98.67	37.54	34.94	12.53	35.19	100	242	P	V
		5931.2	50.83	-17.37	68.2	38.4	35.06	12.57	35.2	100	242	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11490	61.62	-12.38	74	61.28	38.38	19.5	57.54	100	297	P	H
		11490	52.25	-1.75	54	51.91	38.38	19.5	57.54	100	297	A	H
		13369	48.33	-25.67	74	46	39.33	21.22	58.22	-	-	P	H
		13369	38.13	-15.87	54	35.8	39.33	21.22	58.22	-	-	A	H
		14491	46.74	-27.26	74	42.86	39.67	22.3	58.09	-	-	P	H
		17235	51.32	-16.88	68.2	40.7	42.2	24.93	56.51	-	-	P	H
		17736	50.34	-23.66	74	39.14	41.93	25.41	56.14	-	-	P	H
		17736	42.59	-11.41	54	31.39	41.93	25.41	56.14	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	57.1	-16.9	74	56.76	38.38	19.5	57.54	400	212	P	V
5745MHz		11490	47.85	-6.15	54	47.51	38.38	19.5	57.54	400	212	A	V
		13369	47.86	-26.14	74	45.53	39.33	21.22	58.22	-	-	P	V
		14499	48.39	-25.61	74	44.47	39.7	22.31	58.09	-	-	P	V
		14499	39.22	-14.78	54	35.3	39.7	22.31	58.09	-	-	A	V
		17235	50.62	-17.58	68.2	40	42.2	24.93	56.51	-	-	P	V
		17802	51.52	-22.48	74	40.36	41.8	25.46	56.1	-	-	P	V
		17802	42.6	-11.4	54	31.44	41.8	25.46	56.1	-	-	A	V
													V
													V
													V
													V

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)
		11570	61.51	-12.49	74	60.81	38.54	19.57	57.41	100	297	P	H
		11570	52.79	-1.21	54	52.09	38.54	19.57	57.41	100	297	A	H
		13380	47.82	-26.18	74	45.5	39.32	21.23	58.23	-	-	P	H
		14480	48.62	-25.38	74	44.78	39.64	22.29	58.09	-	-	P	H
		14480	38.87	-15.13	54	35.03	39.64	22.29	58.09	-	-	A	H
		17355	51.49	-16.71	68.2	40.69	42.15	25.05	56.4	-	-	P	H
		17945	51.83	-22.17	74	40.39	41.85	25.6	56.01	-	-	P	H
		17945	42.66	-11.34	54	31.22	41.85	25.6	56.01	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	55.9	-18.1	74	55.2	38.54	19.57	57.41	397	317	P	V
5785MHz		11570	47.49	-6.51	54	46.79	38.54	19.57	57.41	397	317	A	V
		13369	47.48	-26.52	74	45.15	39.33	21.22	58.22	-	-	P	V
		14480	47.56	-26.44	74	43.72	39.64	22.29	58.09	-	-	P	V
		17355	51.44	-16.76	68.2	40.64	42.15	25.05	56.4	-	-	P	V
		17725	51.78	-22.22	74	40.58	41.95	25.4	56.15	-	-	P	V
		17725	42.66	-11.34	54	31.46	41.95	25.4	56.15	-	-	A	V
													V
													V
													V
													V
													V

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)
		11650	59.03	-14.97	74	58.02	38.65	19.64	57.28	100	297	P	H
		11650	50.31	-3.69	54	49.3	38.65	19.64	57.28	100	297	A	H
		13380	47.68	-26.32	74	45.36	39.32	21.23	58.23	-	-	P	H
		14499	47.83	-26.17	74	43.91	39.7	22.31	58.09	-	-	P	H
		17475	51.23	-16.97	68.2	40.2	42.17	25.16	56.3	-	-	P	H
		17780	51.99	-22.01	74	40.81	41.84	25.45	56.11	-	-	P	H
		17780	42.45	-11.55	54	31.27	41.84	25.45	56.11	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	54.34	-19.66	74	53.33	38.65	19.64	57.28	400	192	P	V
5825MHz		11650	47.11	-6.89	54	46.1	38.65	19.64	57.28	400	192	A	V
		13380	47.8	-26.2	74	45.48	39.32	21.23	58.23	-	-	P	V
		14491	48.8	-25.2	74	44.92	39.67	22.3	58.09	-	-	P	V
		14491	39.02	-14.98	54	35.14	39.67	22.3	58.09	-	-	A	V
		17475	51.13	-17.07	68.2	40.1	42.17	25.16	56.3	-	-	P	V
		17714	52.51	-21.49	74	41.3	41.97	25.39	56.15	-	-	P	V
		17714	43.02	-10.98	54	31.81	41.97	25.39	56.15	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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)
		5645	48.09	-20.11	68.2	36.1	34.82	12.32	35.15	100	258	P	H
		5683.8	50.09	-43.16	93.25	37.95	34.94	12.36	35.16	100	258	P	H
		5714.2	52.93	-56.25	109.18	40.7	35	12.39	35.16	100	258	P	H
		5723.2	51.22	-66.88	118.1	38.98	35	12.4	35.16	100	258	P	H
	*	5755	109.81	-	-	97.57	34.98	12.43	35.17	100	258	P	H
	*	5755	103.4	-	-	91.16	34.98	12.43	35.17	100	258	A	H
		5850.2	49.93	-71.81	121.74	37.8	34.8	12.51	35.18	100	258	P	H
		5861.8	49.36	-59.53	108.89	37.18	34.85	12.52	35.19	100	258	P	H
		5901	49.63	-36.29	85.92	37.27	35	12.55	35.19	100	258	P	H
		5927.4	49.73	-18.47	68.2	37.32	35.05	12.56	35.2	100	258	P	H
802.11ax													H
HE40 Full													H
CH 151		5601.8	48.31	-19.89	68.2	36.18	34.99	12.28	35.14	100	262	P	V
5755MHz		5699.8	48.51	-56.54	105.05	36.29	35	12.38	35.16	100	262	P	V
		5719.4	55.49	-55.14	110.63	43.25	35	12.4	35.16	100	262	P	V
		5724.4	58.28	-62.55	120.83	46.04	35	12.4	35.16	100	262	P	V
	*	5755	106.85	-	-	94.61	34.98	12.43	35.17	100	262	P	V
	*	5755	102.28	-	-	90.04	34.98	12.43	35.17	100	262	A	V
		5852	48.99	-68.65	117.64	36.85	34.81	12.51	35.18	100	262	P	V
		5872.8	49.57	-56.25	105.82	37.34	34.89	12.53	35.19	100	262	P	V
		5905	50.23	-32.73	82.96	37.86	35.01	12.55	35.19	100	262	P	V
		5934.8	50.09	-18.11	68.2	37.65	35.07	12.57	35.2	100	262	P	V
													V
													V

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)
		5640.8	49.17	-19.03	68.2	37.16	34.84	12.32	35.15	100	236	P	H
		5666.2	49.34	-30.88	80.22	37.28	34.86	12.35	35.15	100	236	P	H
		5704.8	51.51	-55.04	106.55	39.29	35	12.38	35.16	100	236	P	H
		5723.2	51.16	-66.94	118.1	38.92	35	12.4	35.16	100	236	P	H
	*	5795	110.85	-	-	98.73	34.82	12.47	35.17	100	236	P	H
	*	5795	105.77	-	-	93.65	34.82	12.47	35.17	100	236	A	H
		5854.8	49.35	-61.91	111.26	37.19	34.82	12.52	35.18	100	236	P	H
		5860	49.7	-59.7	109.4	37.53	34.84	12.52	35.19	100	236	P	H
		5875.2	49.57	-55.48	105.05	37.33	34.9	12.53	35.19	100	236	P	H
		5938	49.59	-18.61	68.2	37.14	35.08	12.57	35.2	100	236	P	H
802.11ax													H
HE40 Full													H
CH 159		5601.6	48.61	-19.59	68.2	36.48	34.99	12.28	35.14	100	241	P	V
5795MHz		5680.2	50.2	-40.39	90.59	38.08	34.92	12.36	35.16	100	241	P	V
		5702.4	49.24	-56.63	105.87	37.02	35	12.38	35.16	100	241	P	V
		5720	48.01	-62.79	110.8	35.77	35	12.4	35.16	100	241	P	V
	*	5795	107.93	-	-	95.81	34.82	12.47	35.17	100	241	P	V
	*	5795	101.44	-	-	89.32	34.82	12.47	35.17	100	241	A	V
		5850.2	49.64	-72.1	121.74	37.51	34.8	12.51	35.18	100	241	P	V
		5873.8	49.37	-56.17	105.54	37.13	34.9	12.53	35.19	100	241	P	V
		5891.4	49.93	-43.1	93.03	37.61	34.97	12.54	35.19	100	241	P	V
		5939.4	50.32	-17.88	68.2	37.87	35.08	12.57	35.2	100	241	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11510	59.94	-14.06	74	59.49	38.42	19.53	57.5	100	297	P	H
		11510	51.83	-2.17	54	51.38	38.42	19.53	57.5	100	297	A	H
		13314	48.19	-25.81	74	45.84	39.39	21.17	58.21	-	-	P	H
		13314	37.88	-16.12	54	35.53	39.39	21.17	58.21	-	-	A	H
		14499	46.91	-27.09	74	42.99	39.7	22.31	58.09	-	-	P	H
		17265	51.52	-16.68	68.2	40.84	42.2	24.96	56.48	-	-	P	H
		17802	50.79	-23.21	74	39.63	41.8	25.46	56.1	-	-	P	H
		17802	42.15	-11.85	54	30.99	41.8	25.46	56.1	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	51.63	-22.37	74	51.18	38.42	19.53	57.5	391	313	P	V
5755MHz		11510	44.99	-9.01	54	44.54	38.42	19.53	57.5	391	313	A	V
		13391	48.04	-25.96	74	45.72	39.31	21.24	58.23	-	-	P	V
		13391	38.37	-15.63	54	36.05	39.31	21.24	58.23	-	-	A	V
		14480	48.03	-25.97	74	44.19	39.64	22.29	58.09	-	-	P	V
		14480	38.17	-15.83	54	34.33	39.64	22.29	58.09	-	-	A	V
		17265	50.36	-17.84	68.2	39.68	42.2	24.96	56.48	-	-	P	V
		17725	51.92	-22.08	74	40.72	41.95	25.4	56.15	-	-	P	V
		17725	42.63	-11.37	54	31.43	41.95	25.4	56.15	-	-	A	V
													V
													V
													V

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)
		11590	57.8	-16.2	74	57	38.58	19.59	57.37	100	298	P	H
		11590	52.02	-1.98	54	51.22	38.58	19.59	57.37	100	298	A	H
		13336	46.75	-27.25	74	44.41	39.36	21.19	58.21	-	-	P	H
		14502	47.1	-21.1	68.2	43.17	39.7	22.32	58.09	-	-	P	H
		17385	50.42	-17.78	68.2	39.61	42.11	25.08	56.38	-	-	P	H
		17747	51.31	-22.69	74	40.11	41.91	25.42	56.13	-	-	P	H
		17747	42.39	-11.61	54	31.19	41.91	25.42	56.13	-	-	A	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	51.9	-22.1	74	51.1	38.58	19.59	57.37	377	315	P	V
5795MHz		11590	45.6	-8.4	54	44.8	38.58	19.59	57.37	377	315	A	V
		13358	47.68	-26.32	74	45.35	39.34	21.21	58.22	-	-	P	V
		14499	48.28	-25.72	74	44.36	39.7	22.31	58.09	-	-	P	V
		14499	38.2	-15.8	54	34.28	39.7	22.31	58.09	-	-	A	V
		17385	51.24	-16.96	68.2	40.43	42.11	25.08	56.38	-	-	P	V
		17758	52.5	-21.5	74	41.32	41.88	25.43	56.13	-	-	P	V
		17758	42.58	-11.42	54	31.4	41.88	25.43	56.13	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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)
		5648.2	50.48	-17.72	68.2	38.49	34.81	12.33	35.15	100	236	P	H
		5700	59.78	-45.42	105.2	47.56	35	12.38	35.16	100	236	P	H
		5720	64.69	-46.11	110.8	52.45	35	12.4	35.16	100	236	P	H
		5720	64.69	-46.11	110.8	52.45	35	12.4	35.16	100	236	P	H
	*	5775	113.29	-	-	101.11	34.9	12.45	35.17	100	236	P	H
	*	5775	109.66	-	-	97.48	34.9	12.45	35.17	100	236	A	H
		5851.2	65.51	-53.95	119.46	53.38	34.8	12.51	35.18	100	236	P	H
		5863.4	64.07	-44.38	108.45	51.89	34.85	12.52	35.19	100	236	P	H
		5898.6	50.08	-37.62	87.7	37.74	34.99	12.54	35.19	100	236	P	H
		5928	49.09	-19.11	68.2	36.67	35.06	12.56	35.2	100	236	P	H
802.11ax													H
HE80 Full													H
CH 155		5645.2	51.42	-16.78	68.2	39.42	34.82	12.33	35.15	100	250	P	V
5775MHz		5696.2	60.96	-41.44	102.4	48.76	34.98	12.38	35.16	100	250	P	V
		5715.8	62.02	-47.61	109.63	49.78	35	12.4	35.16	100	250	P	V
		5722.4	62.25	-54.02	116.27	50.01	35	12.4	35.16	100	250	P	V
	*	5775	110.86	-	-	98.68	34.9	12.45	35.17	100	250	P	V
	*	5775	105.34	-	-	93.16	34.9	12.45	35.17	100	250	A	V
		5853.6	60.72	-53.27	113.99	48.58	34.81	12.51	35.18	100	250	P	V
		5855.4	63.53	-47.16	110.69	51.37	34.82	12.52	35.18	100	250	P	V
		5875	49.87	-55.33	105.2	37.63	34.9	12.53	35.19	100	250	P	V
		5925.6	49.41	-18.79	68.2	37	35.05	12.56	35.2	100	250	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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)
		11550	57.83	-16.17	74	57.21	38.5	19.56	57.44	100	297	P	H
		11550	49.15	-4.85	54	48.53	38.5	19.56	57.44	100	297	A	H
		13281	46.9	-27.1	74	44.6	39.36	21.14	58.2	-	-	P	H
		14502	47.08	-21.12	68.2	43.15	39.7	22.32	58.09	-	-	P	H
		17325	49.75	-18.45	68.2	38.99	42.17	25.02	56.43	-	-	P	H
		17857	51.76	-22.24	74	40.46	41.86	25.51	56.07	-	-	P	H
		17857	41.73	-12.27	54	30.43	41.86	25.51	56.07	-	-	A	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	54.59	-19.41	74	53.97	38.5	19.56	57.44	400	316	P	V
5775MHz		11550	47.68	-6.32	54	47.06	38.5	19.56	57.44	400	316	A	V
		13336	46.3	-27.7	74	43.96	39.36	21.19	58.21	-	-	P	V
		14491	47.95	-26.05	74	44.07	39.67	22.3	58.09	-	-	P	V
		17325	50.4	-17.8	68.2	39.64	42.17	25.02	56.43	-	-	P	V
		17791	51.68	-22.32	74	40.51	41.82	25.46	56.11	-	-	P	V
		17791	40.68	-13.32	54	29.51	41.82	25.46	56.11	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

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".

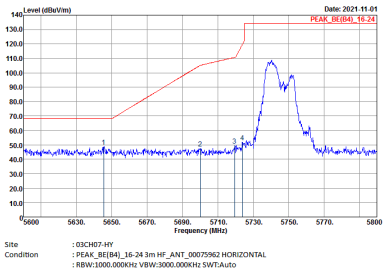
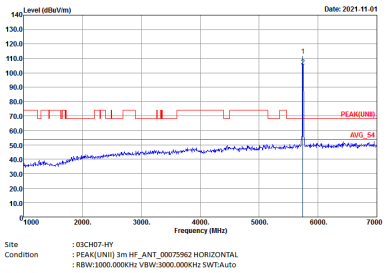
Appendix D. Radiated Spurious Emission Plots

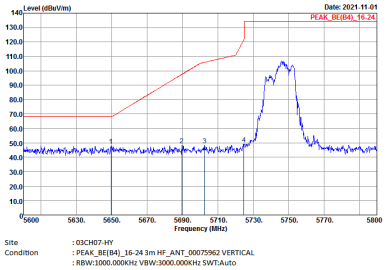
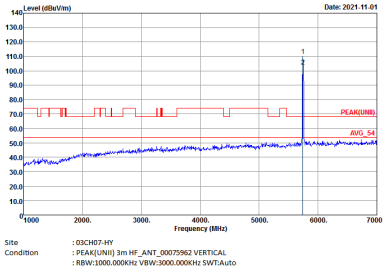
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	17.9~24.6°C
		Relative Humidity :	53.1~69.0%

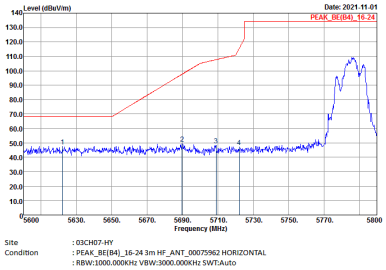
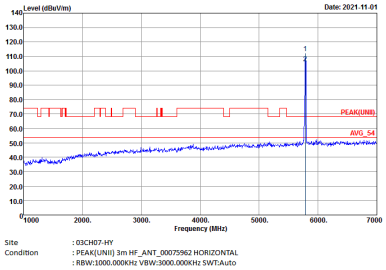
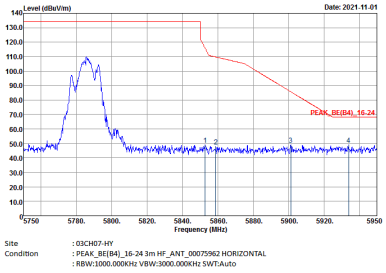
<CDD Mode>

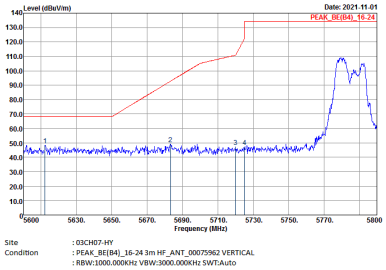
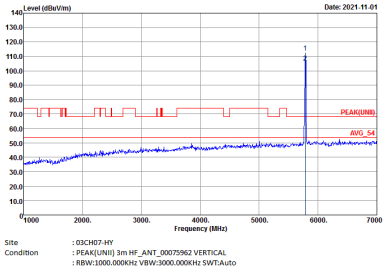
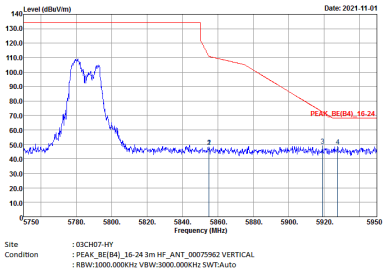
Band 4 - 5725~5850MHz

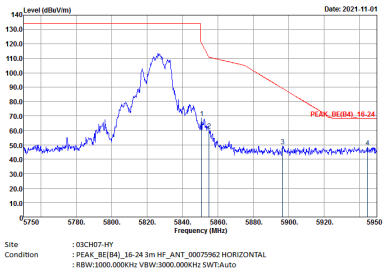
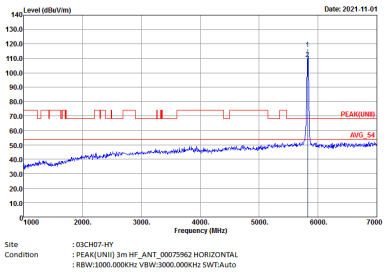
WIFI 802.11a (Band Edge @ 3m)

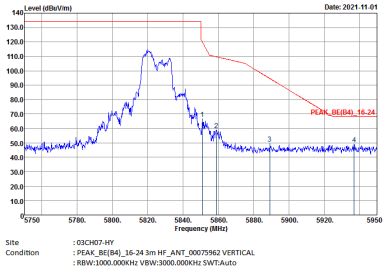
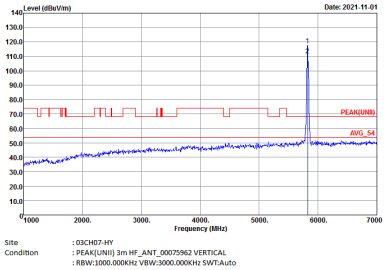
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
ANT	**802.11a CH149 5745MHz**	
1+2+3+4	**Horizontal**	**Fundamental**
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2+3+4	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

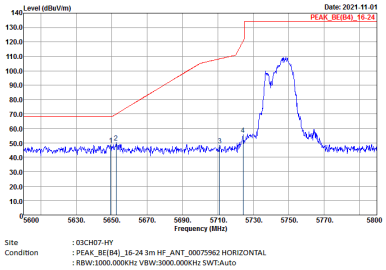
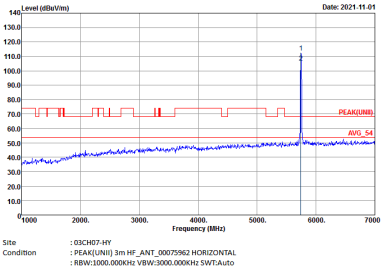
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

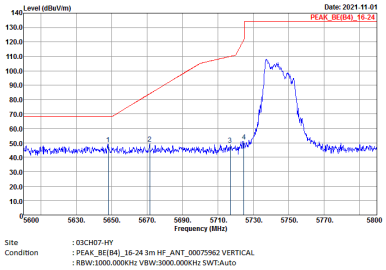
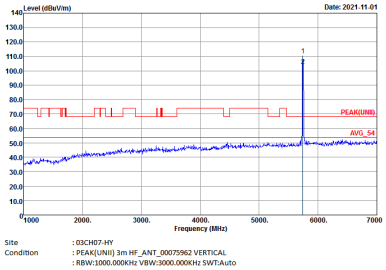
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

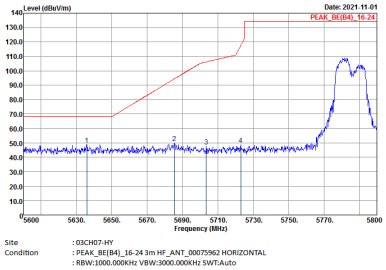
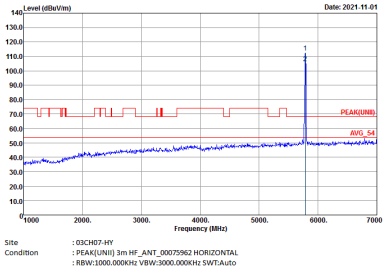
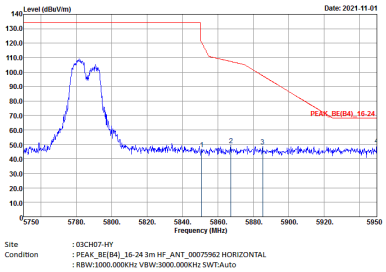
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2+3+4	Vertical	Fundamental
Peak		

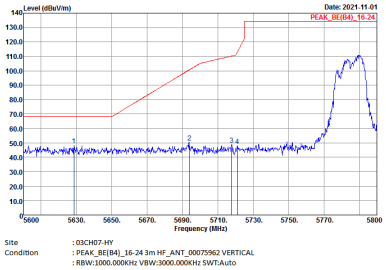
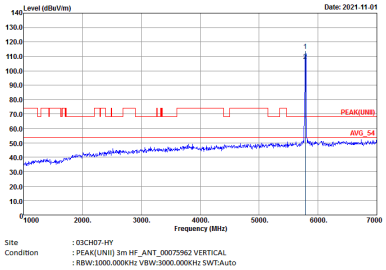
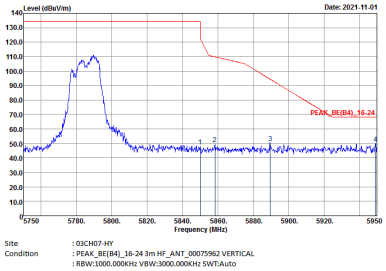
Band 4 5725~5850MHz

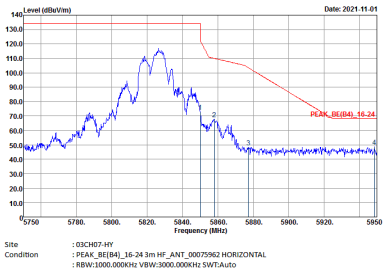
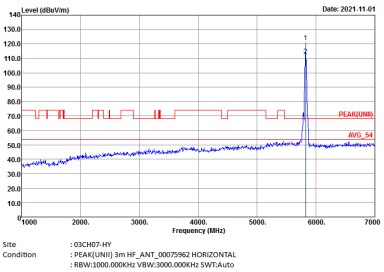
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

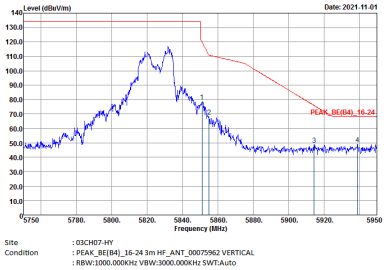
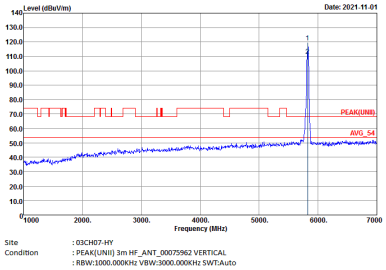
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2+3+4	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

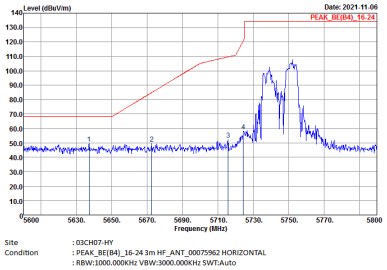
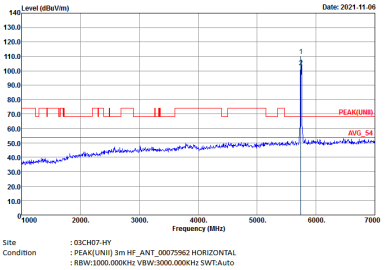
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

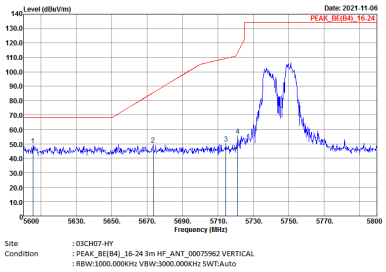
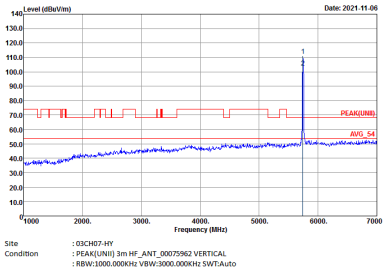
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

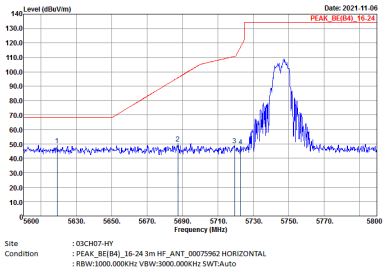
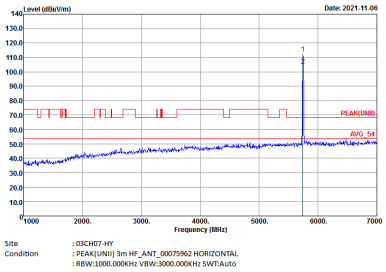
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2+3+4	Vertical	Fundamental
Peak		

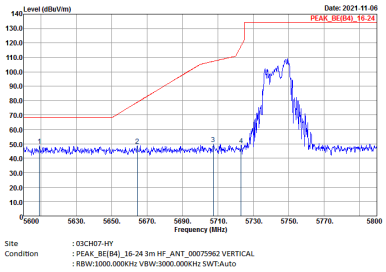
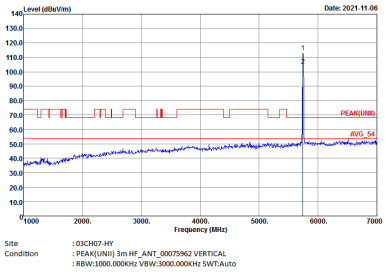
Band 4 5725~5850MHz

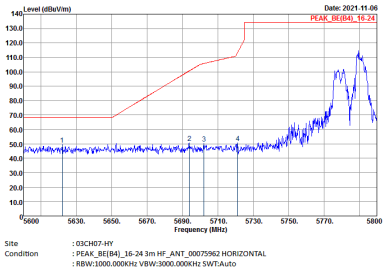
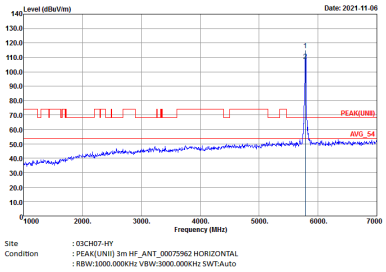
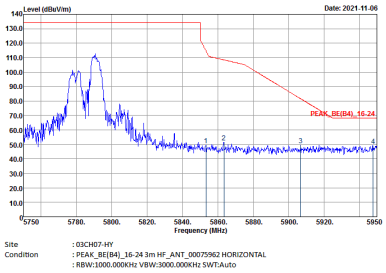
WIFI 802.11ax HE20 Partial RU (Band Edge @ 3m)

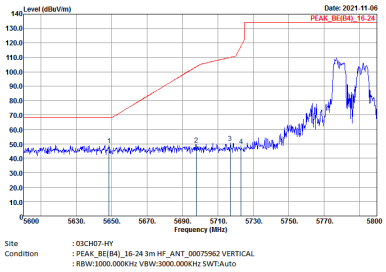
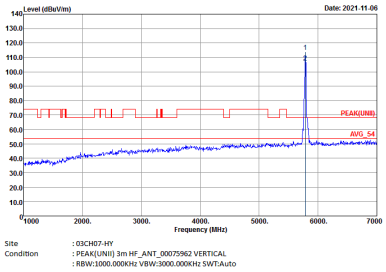
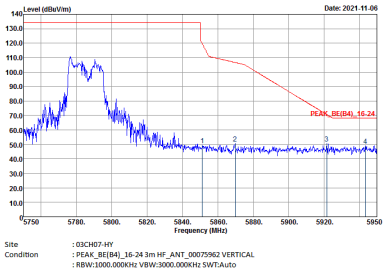
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH149 5745MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

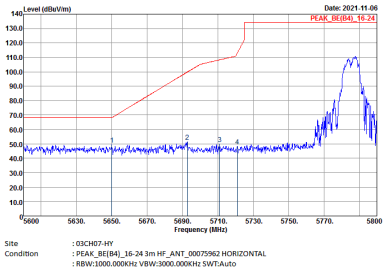
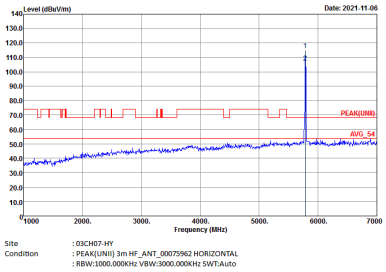
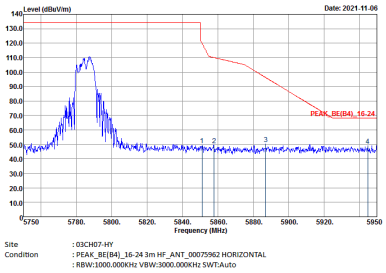
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH149 5745MHz	
1+2+3+4	Vertical	Fundamental
Peak		

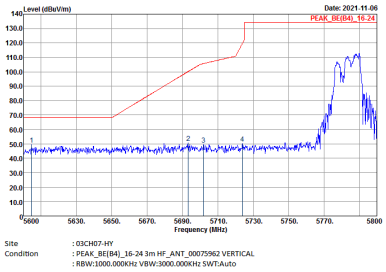
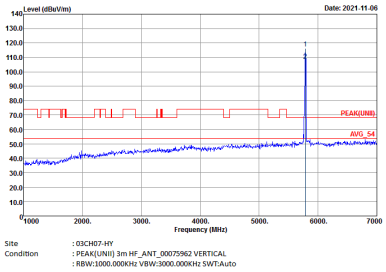
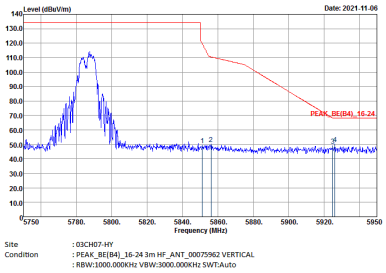
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH149 5745MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

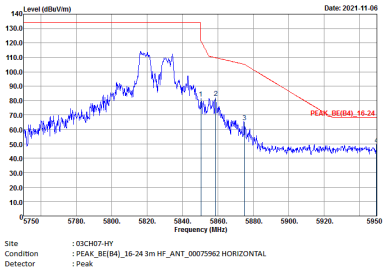
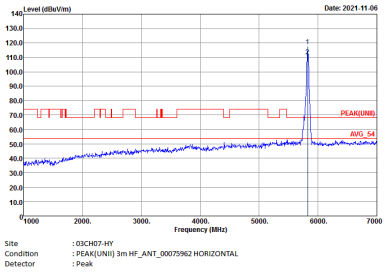
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH149 5745MHz	
1+2+3+4	Vertical	Fundamental
Peak		

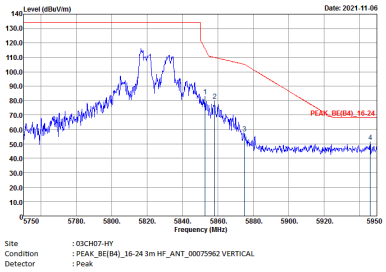
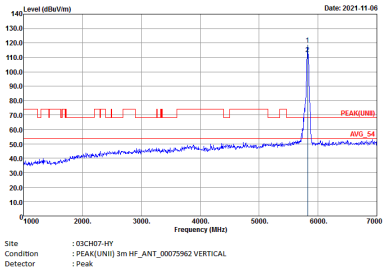
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH157 5785MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

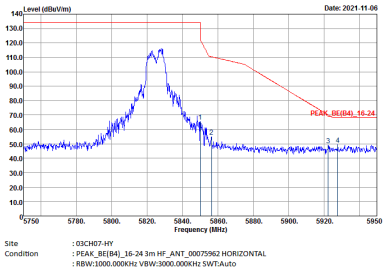
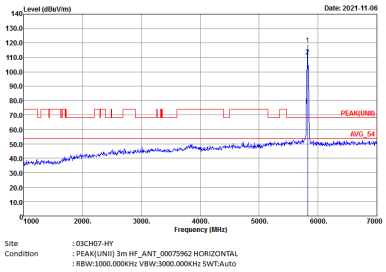
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH157 5785MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

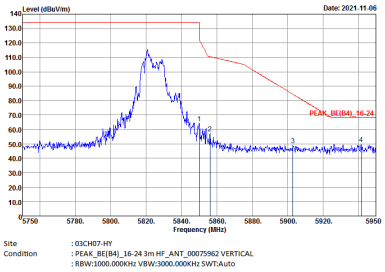
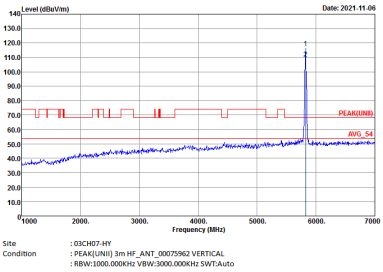
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH157 5785MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH157 5785MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

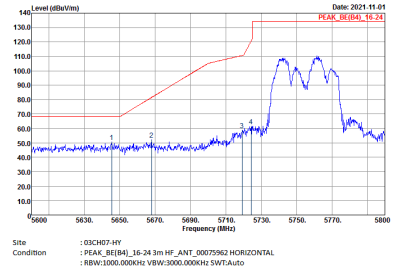
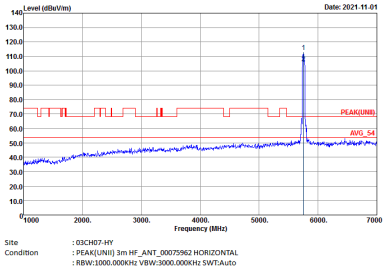
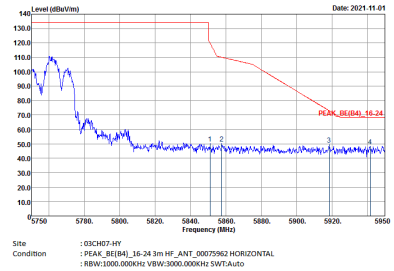
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH165 5825MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

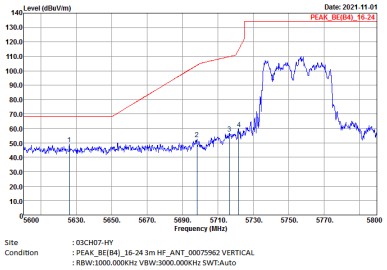
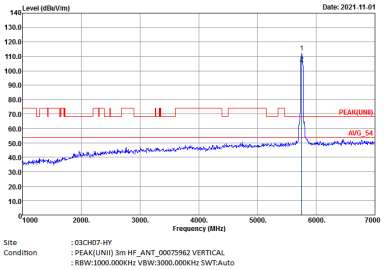
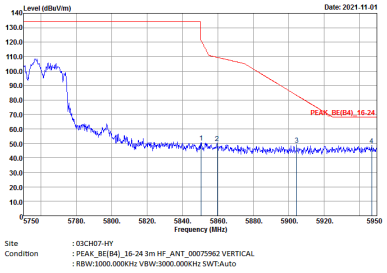
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial M CH165 5825MHz	
1+2+3+4	Vertical	Fundamental
Peak		

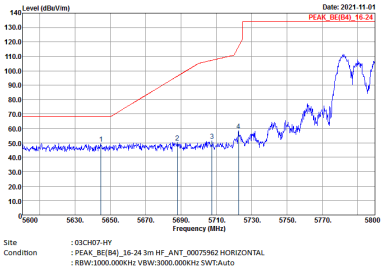
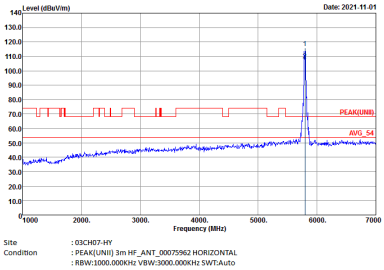
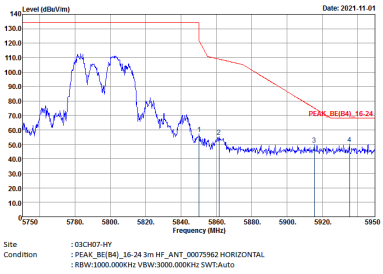
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH165 5825MHz	
1+2+3+4	Horizontal	Fundamental
Peak		

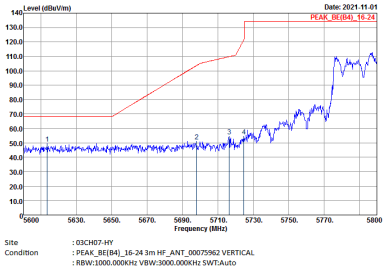
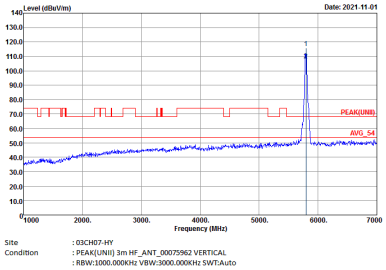
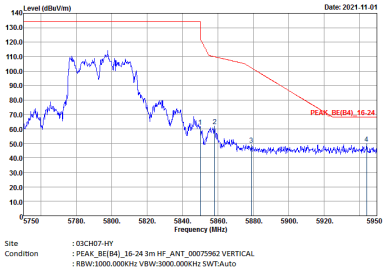
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial BE CH165 5825MHz	
1+2+3+4	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

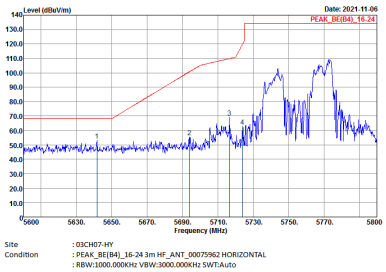
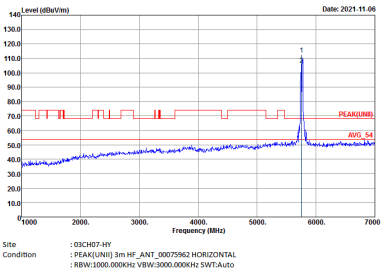
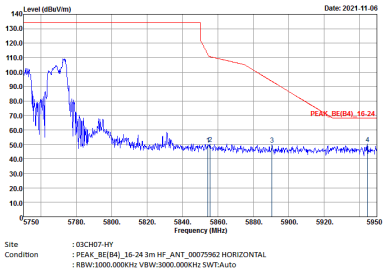
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

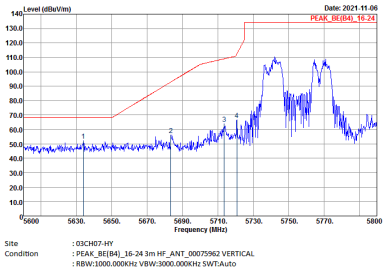
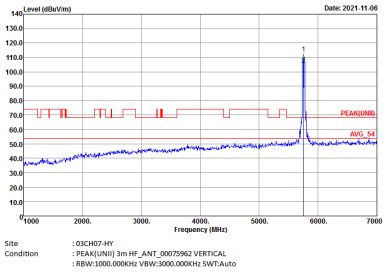
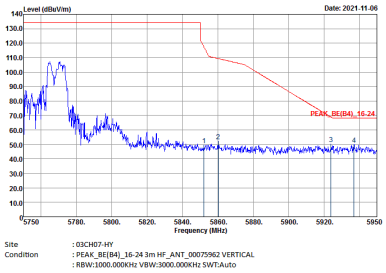
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

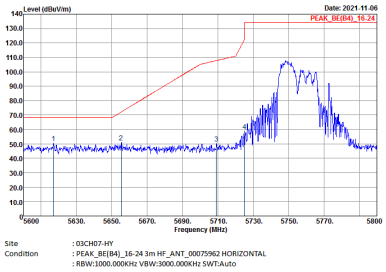
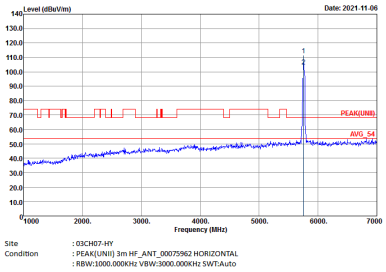
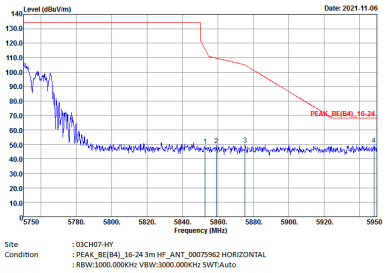
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

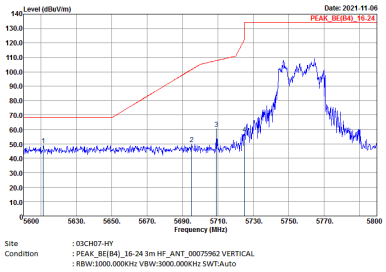
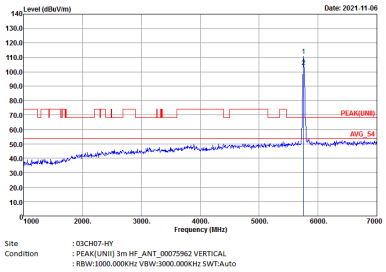
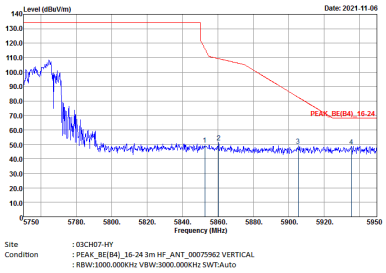
Band 4 5725~5850MHz

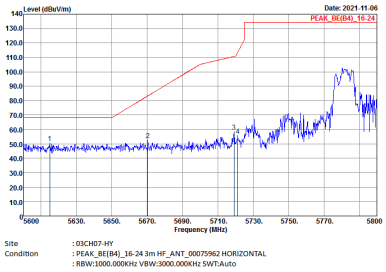
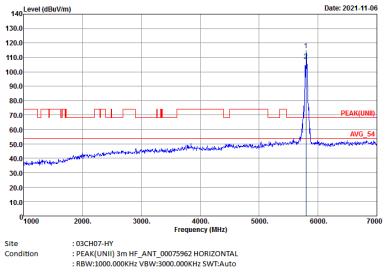
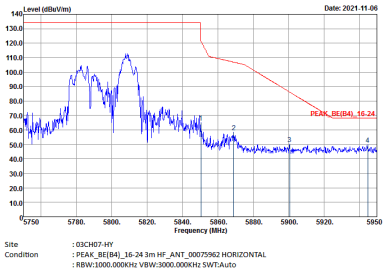
WIFI 802.11ax HE40 Partial RU (Band Edge @ 3m)

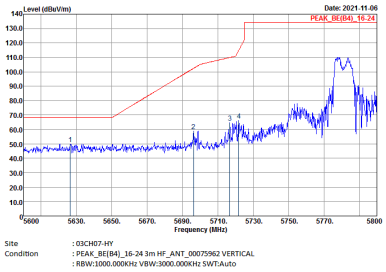
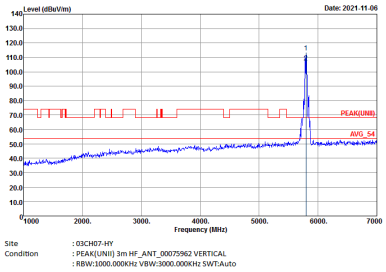
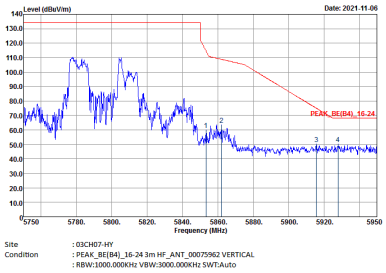
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial M CH151 5755MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

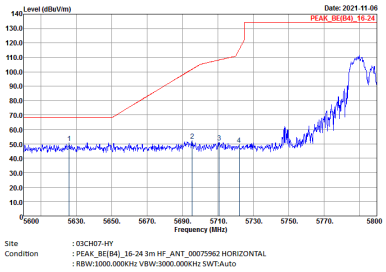
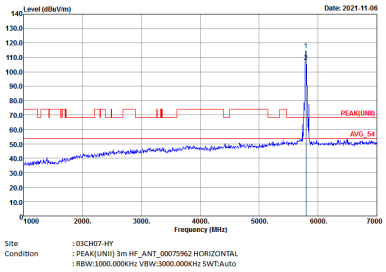
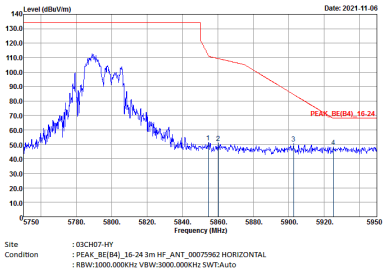
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial M CH151 5755MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

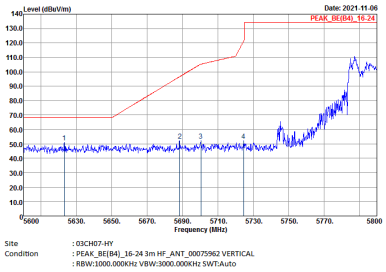
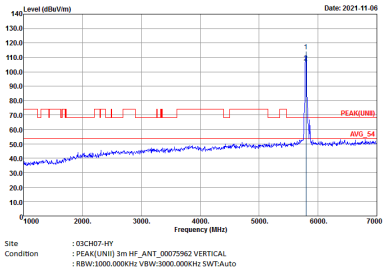
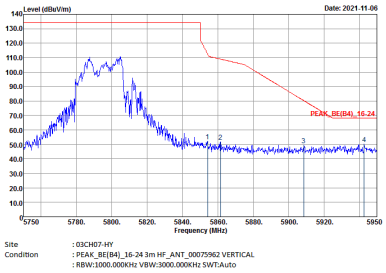
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial BE CH151 5755MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial BE CH151 5755MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

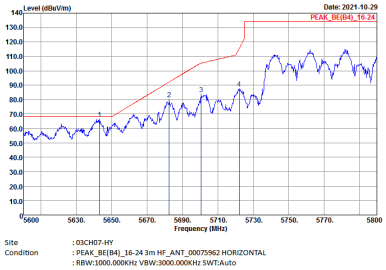
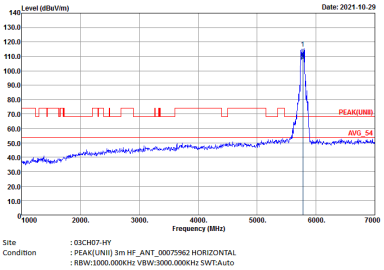
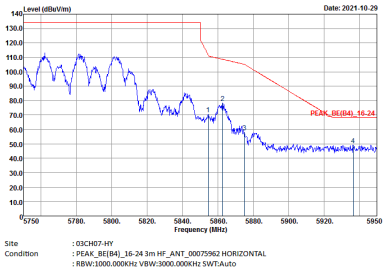
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial M CH159 5795MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

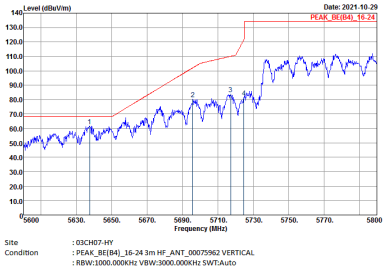
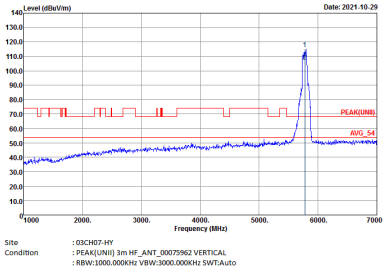
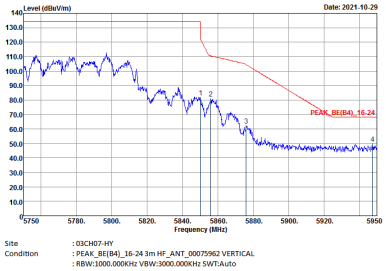
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial M CH159 5795MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial BE CH159 5795MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial BE CH159 5795MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

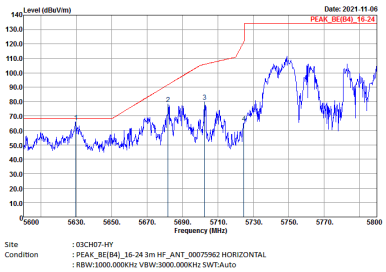
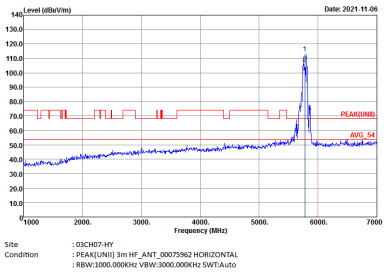
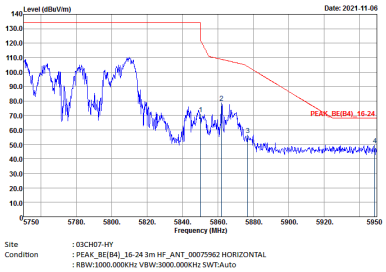
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

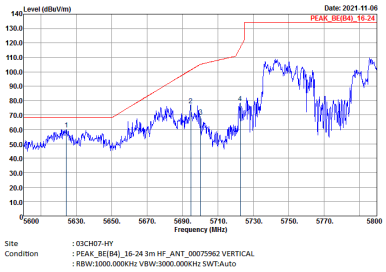
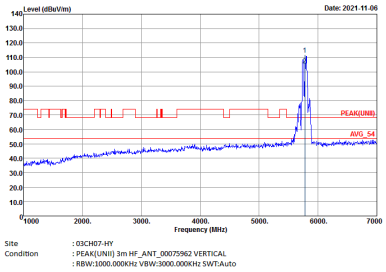
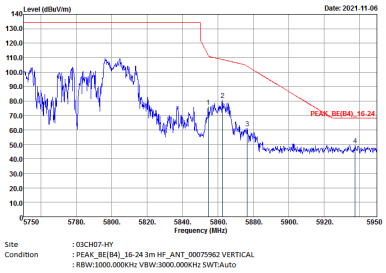
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

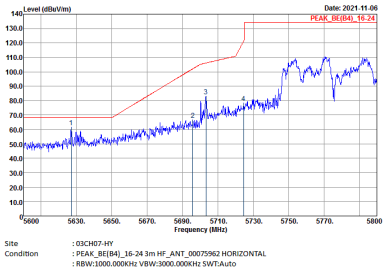
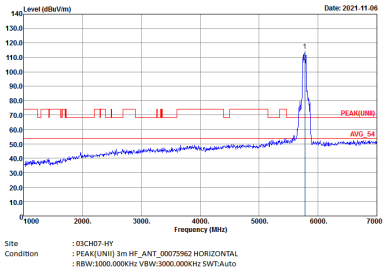
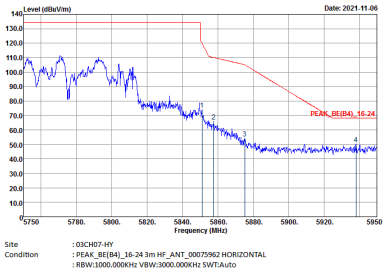
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

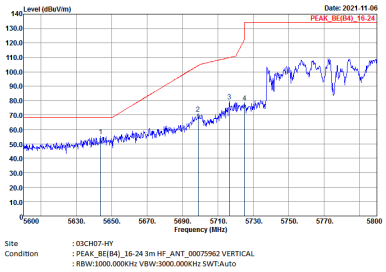
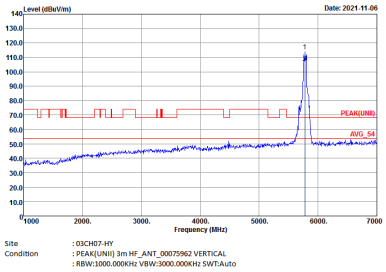
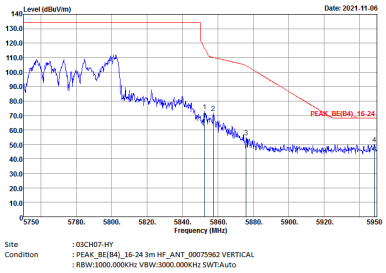
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial M CH155 5775MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

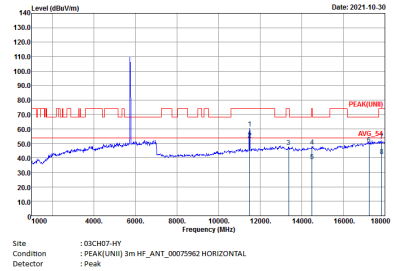
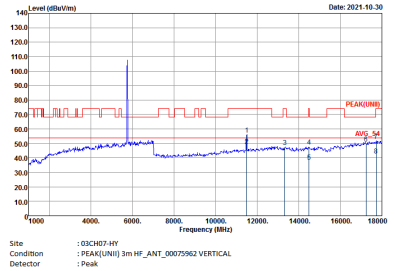
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial M CH155 5775MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

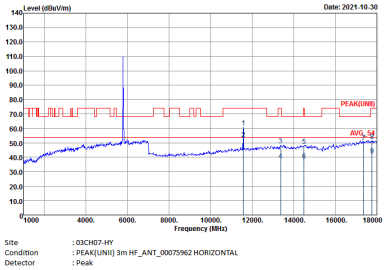
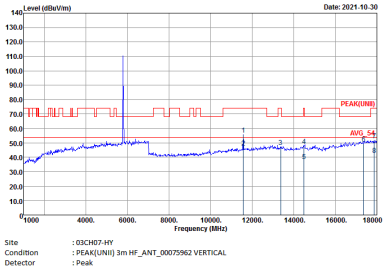
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial BE CH155 5775MHz	
1+2+3+4	Horizontal	Fundamental
Peak		
Peak		Left blank

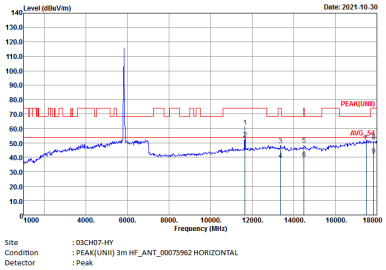
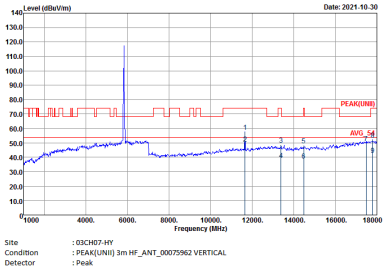
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial BE CH155 5775MHz	
1+2+3+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

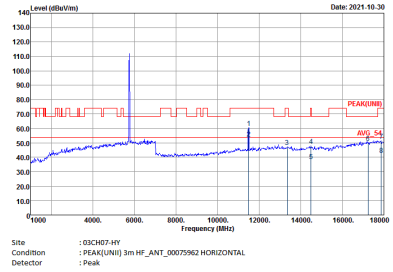
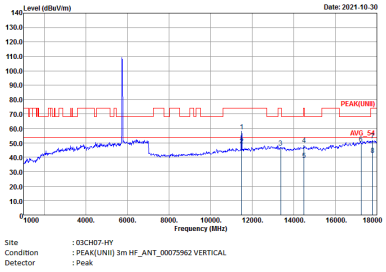
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

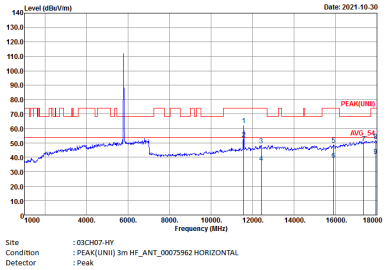
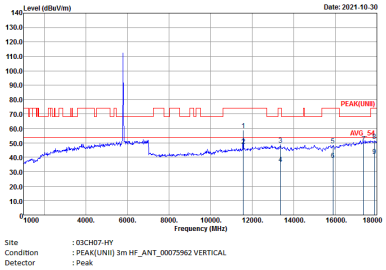
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

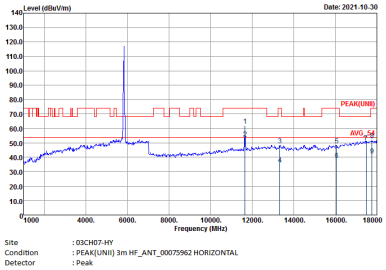
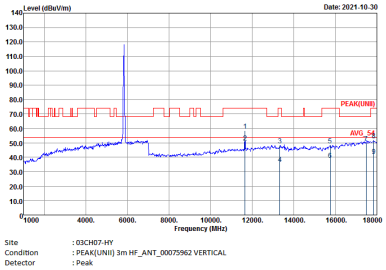
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

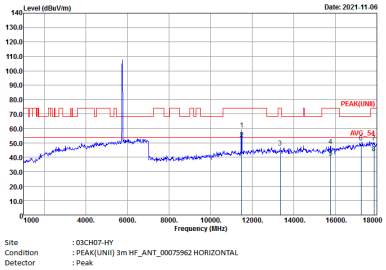
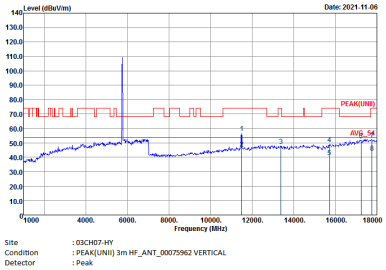
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

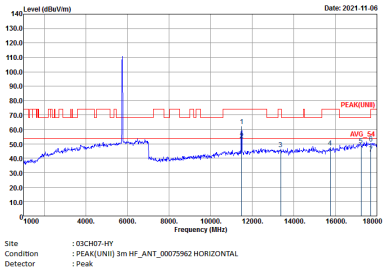
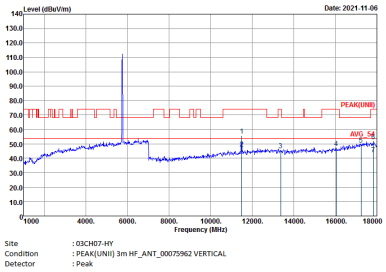
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

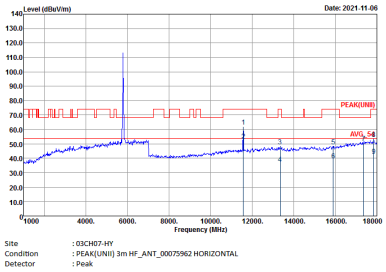
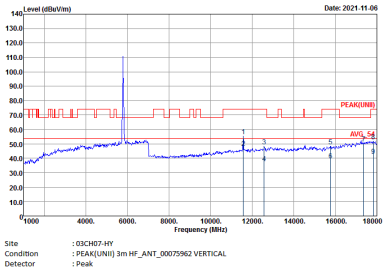
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

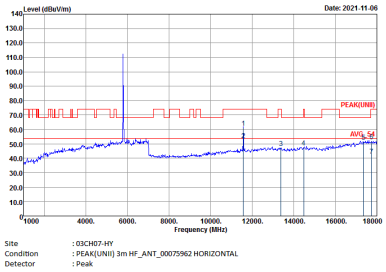
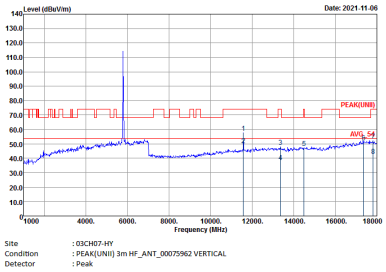
Band 4 5725~5850MHz

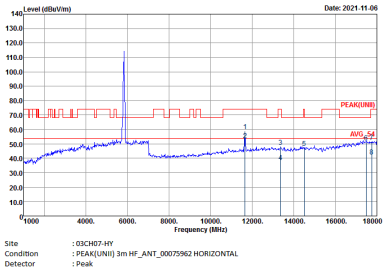
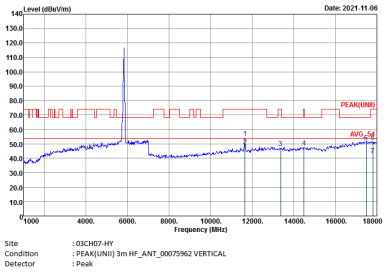
WIFI 802.11ax HE20 Partial RU (Harmonic @ 3m)

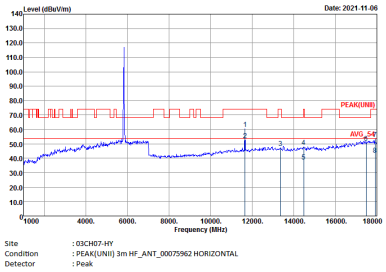
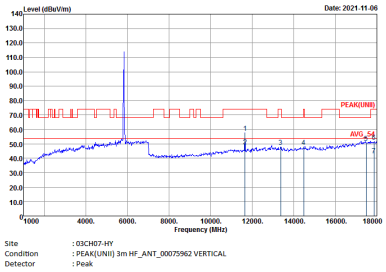
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial M CH149 5745MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial BE CH149 5745MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial M CH157 5785MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

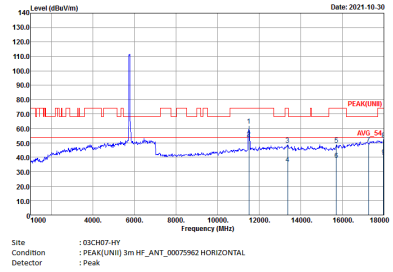
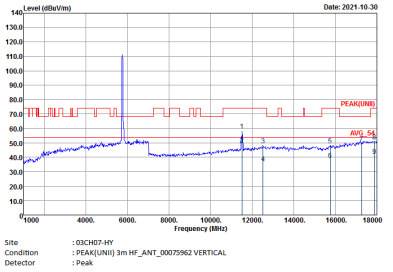
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial BE CH157 5785MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

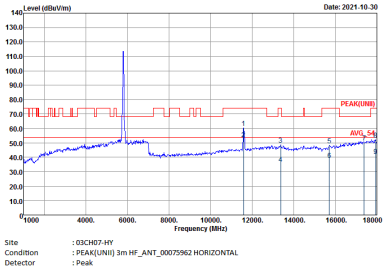
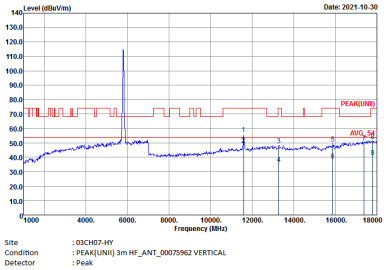
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial M CH165 5825MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial BE CH165 5825MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

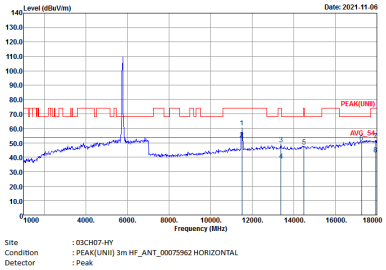
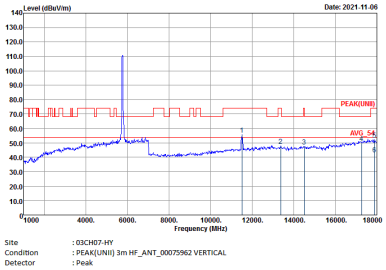
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

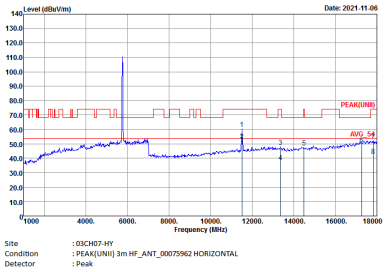
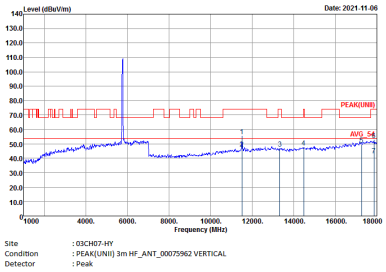
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

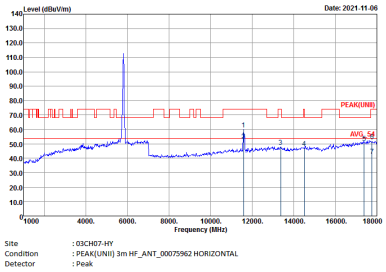
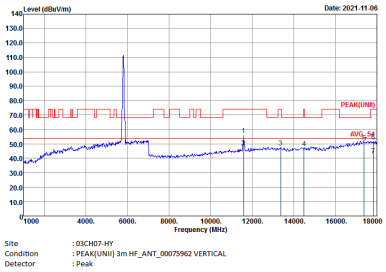
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

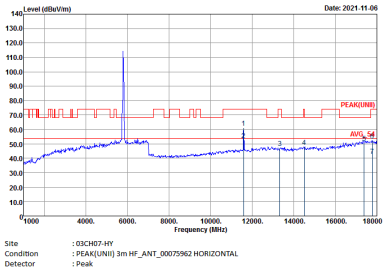
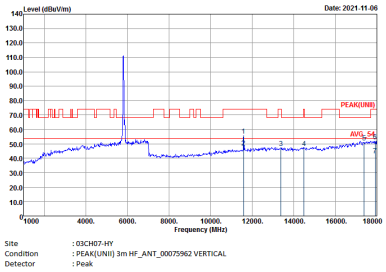
Band 4 5725~5850MHz

WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial M CH151 5755MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

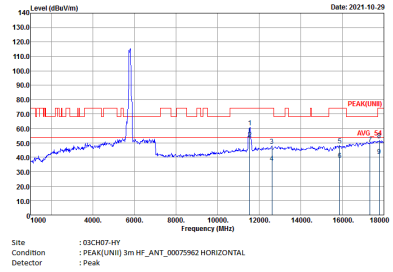
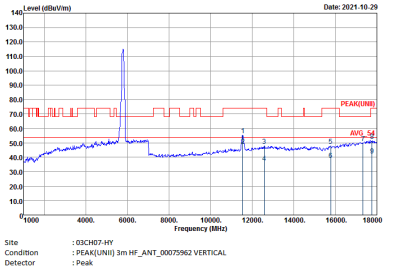
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial BE CH151 5755MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial M CH159 5795MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial BE CH159 5795MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

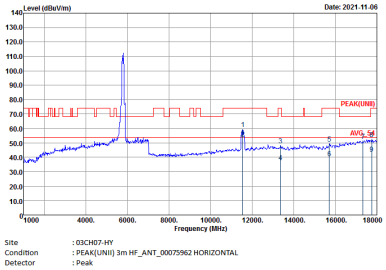
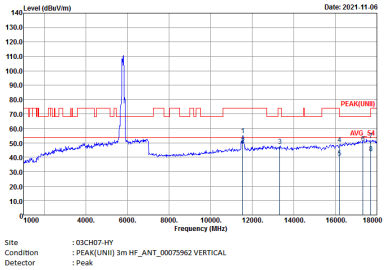
Band 4 5725~5850MHz

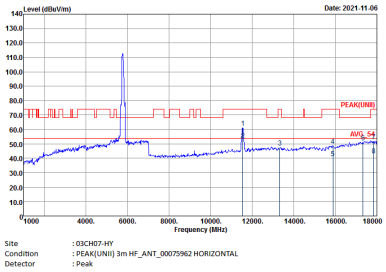
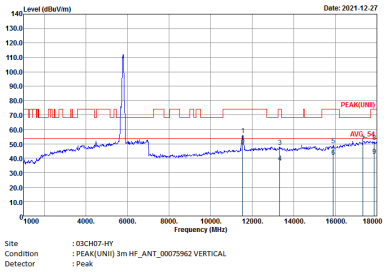
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial M CH155 5775MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial BE CH155 5775MHz	
1+2+3+4	Horizontal	Vertical
Peak Avg.		

Emission above 18GHz

5GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11ax HE20 Full SHF	
1+2+3+4	Horizontal	Vertical
Peak Avg.