FCC RADIO TEST REPORT

FCC ID	:	**MSQAI2201**
Equipment	:	**ASUS Phone(Mobile Phone)**
Brand Name	:	**ASUS**
Model Name	:	**ASUS_AI2201_F** **ASUS_AI2201_D**
Applicant	:	**ASUSTeK COMPUTER INC.** **1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan**
Manufacturer	:	**ASUSTeK COMPUTER INC.** **1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Apr. 11, 2022 and testing was performed from Apr. 30, 2022 to Jun. 08, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No. 58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR210404F	01	Initial issue of report	Jun. 30, 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	1.90 dB under the limit at 5645.000 MHz
3.5	15.207	AC Conducted Emission	Pass	12.81 dB under the limit at 0.150 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

1. The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The differences between ASUS_AI2201_F and ASUS AI2201_D are back cover (F: LGF; D: Pmoled) and EE BOM.

Reviewed by: Avis Chuang

Report Producer: Rachel Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/n/ac/ax, NFC, and GNSS

Product Feature	
Sample 1	SKU 1
Sample 2	SKU 2
Antenna Type	WWAN: PIFA Antenna WLAN <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna Bluetooth <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna GPS/Glonass/BDS/Galileo/SBAS: PIFA Antenna NFC: Loop Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 4: -0.85 Ant. 5: 1.14 Ant. 6: -0.39

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

Sample Information		
SKU	SKU 1	SKU 2
Build Stage	PR	
Config.	WW-High (with LGF)	WW-High (with PMOLED)
RF module board	WW-High(Entry)	WW-PRO
LCD + Touch front frame	AI2201 FRONT CASE ASSY WW	AI2201 FRONT CASE ASSY WW
DDR	16G (Samsung) LPDDR5 SAMSUNG/K3LK6K60BM-BGCP	18G(HYNIX) LPDDR5 HYNIX/H58GU6MK6HX042
UFS	512G (HYNIX) HYNIX HN8T25DEHKX077	512G (HYNIX) HYNIX HN8T25DEHKX077
MB	AI2201_MB	AI2201_MB
Battery	SCUD/C21P2101	SWD/C21P2101
Rear Camera 50+13M	PRIMAX/50-704JQASC8	TRIPLEWIN/CASAF-001A
Front Camera 12M	TSPRECISION/TNBF1166	LUXVISIONS/FRA-00000658
Rear Camera 5M	SHINE PHOTICS/BF515B	TSPRECISION/O5F9323 VERA1
PCB	COMPEQ	COMPEQ
CPU	QUALCOMM MPSP1518B / SM-8475-1 MPSP1518B ES	QUALCOMM MPSP1518B / SM-8475-1 MPSP1518B ES

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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, 03CH15-HY, CO07-HY

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

FCC designation No.: 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 X plane for MIMO <Ant. 5+4>, Z plan for MIMO <Ant. 5+6> 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 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

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

The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

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

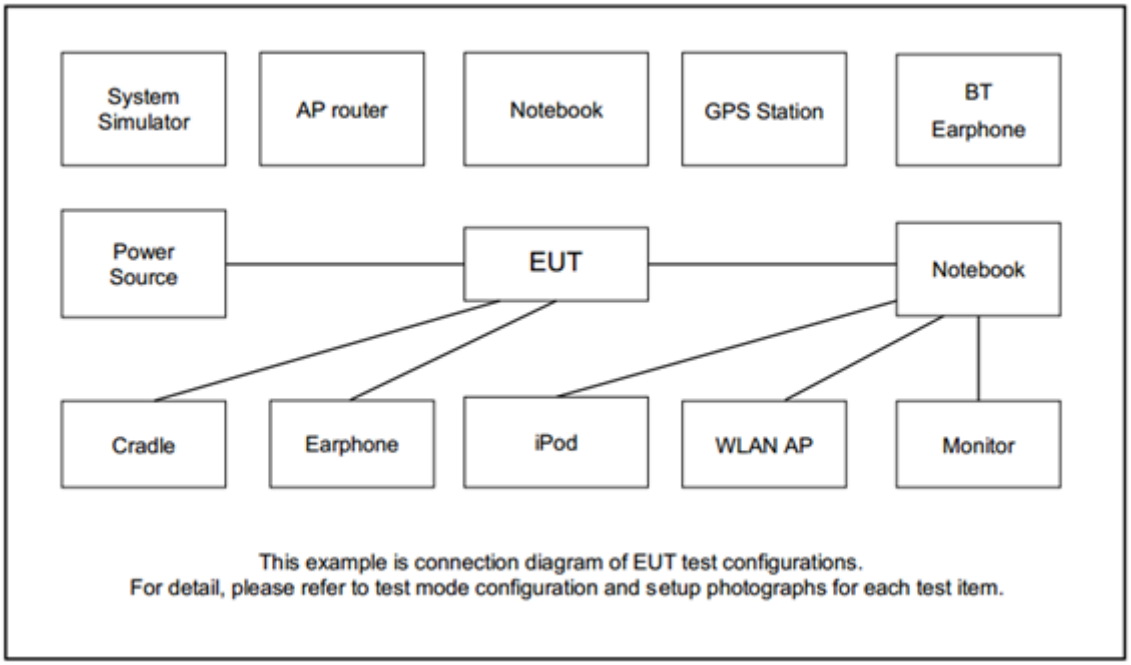
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (front) + NFC On + USB Cable 1 (Bottom USB Port) (Charging from AC Adapter 1) + X mode + Aura sync + SIM 1 for Sample 2
Remark: For Radiated Test Cases, the tests were performed with Adapter 1, USB Cable 1 and Sample 2.	

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	-

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by 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	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
3.	WLAN AP	ASUS	RT-AC52A	N/A	N/A	Unshielded, 1.8m
4.	Notebook	Dell	Latitude E3340	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
5.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
6.	Earphone	ASUS	EA009B	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.00195.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

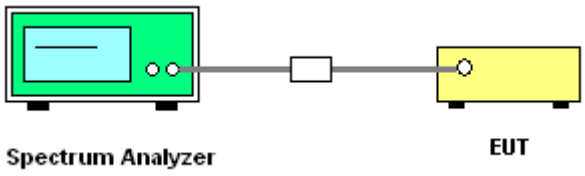
3.1.2 Measuring Instruments

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

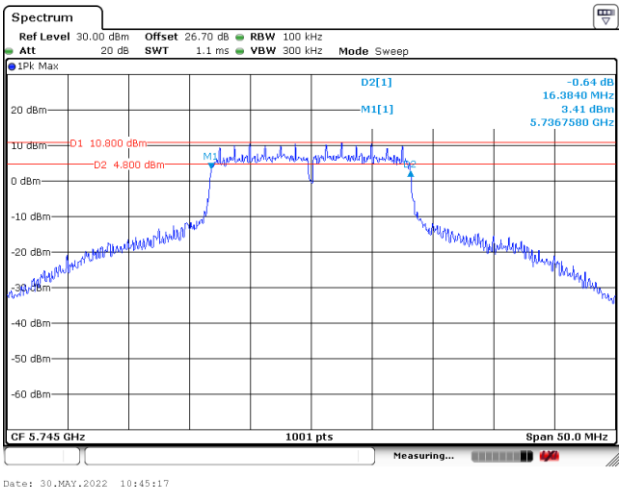
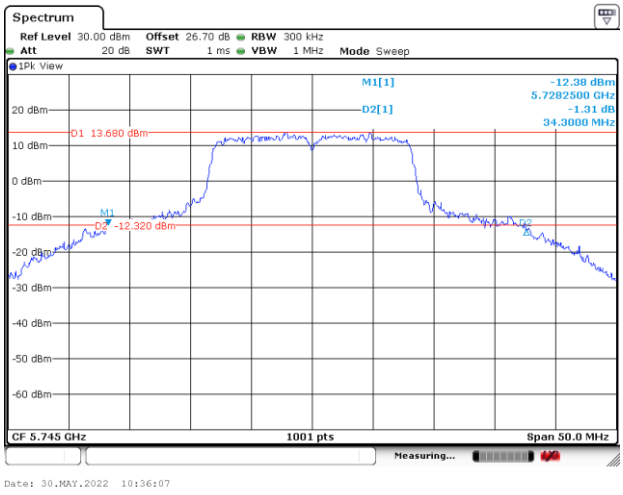
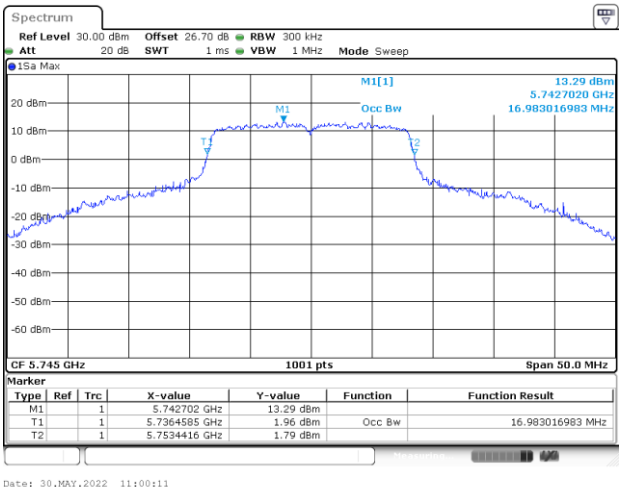


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

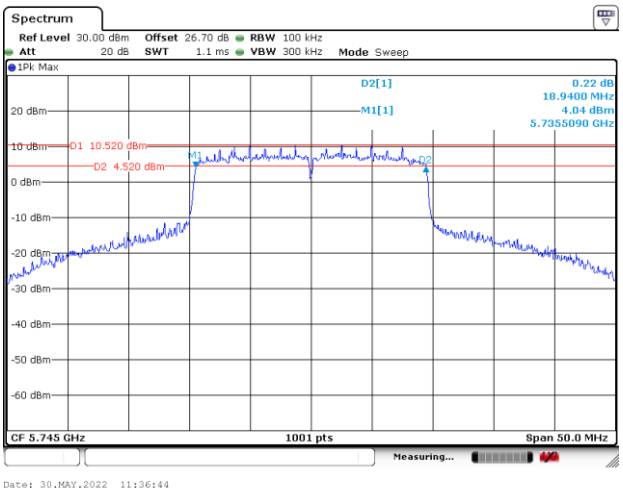
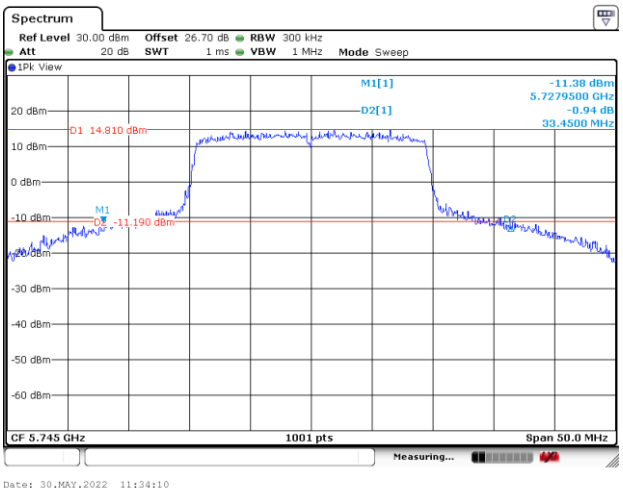
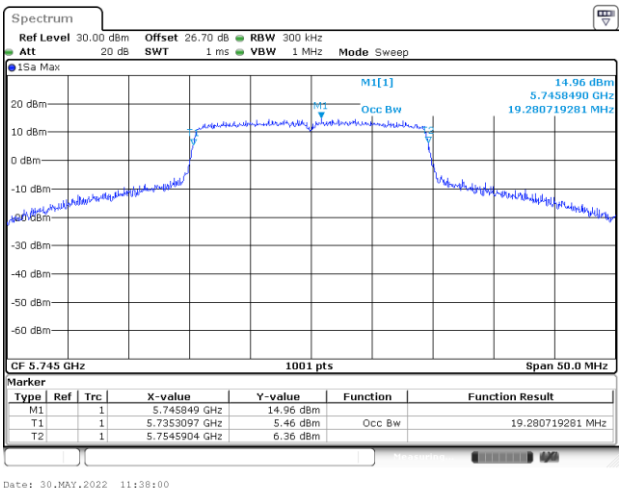
MIMO <Ant. 5+4>

<802.11a>

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

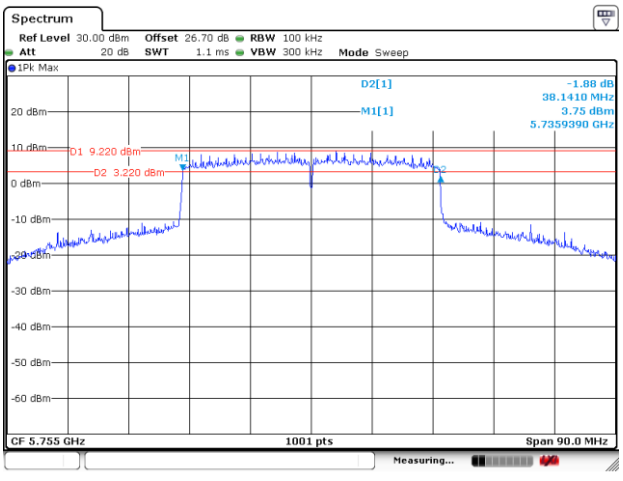
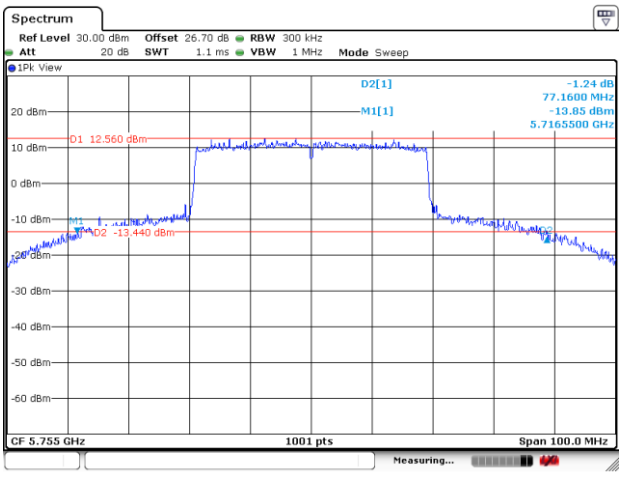
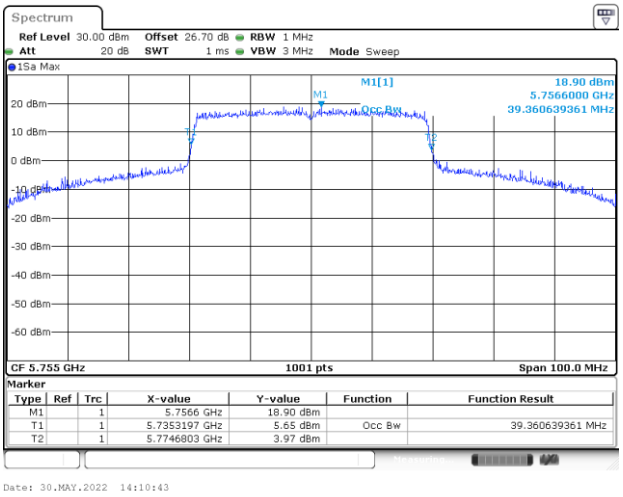
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

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

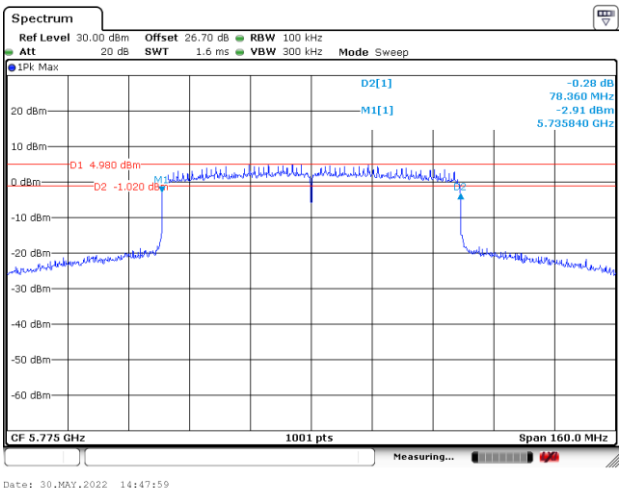
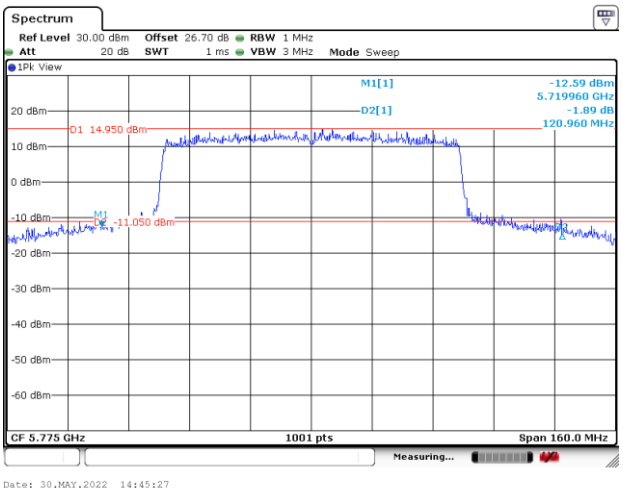
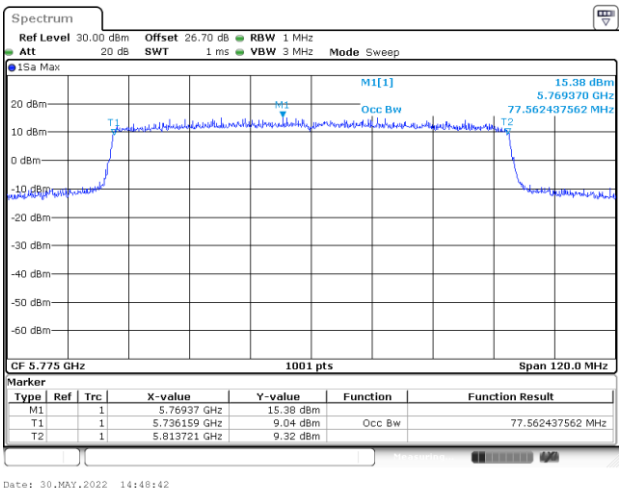
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

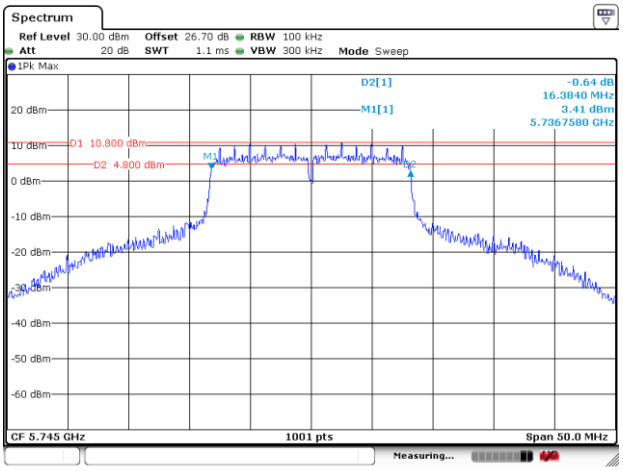
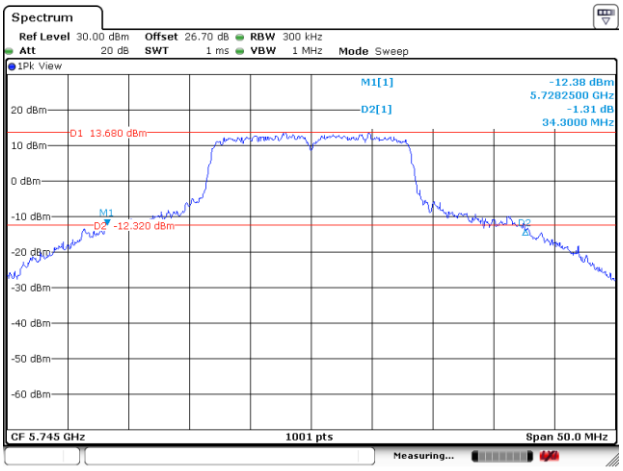
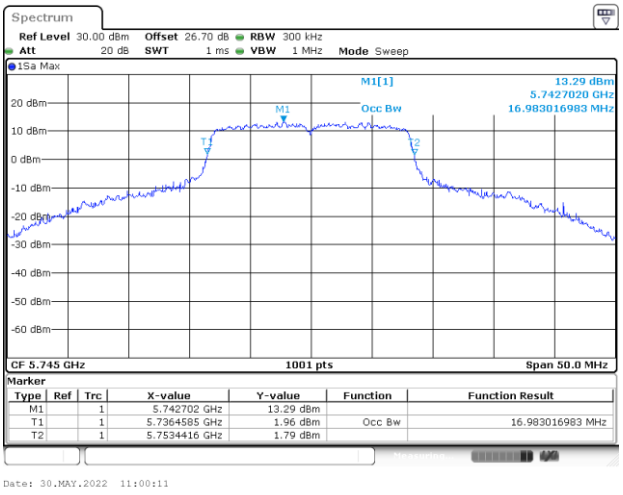
<802.11ax HE80>

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.

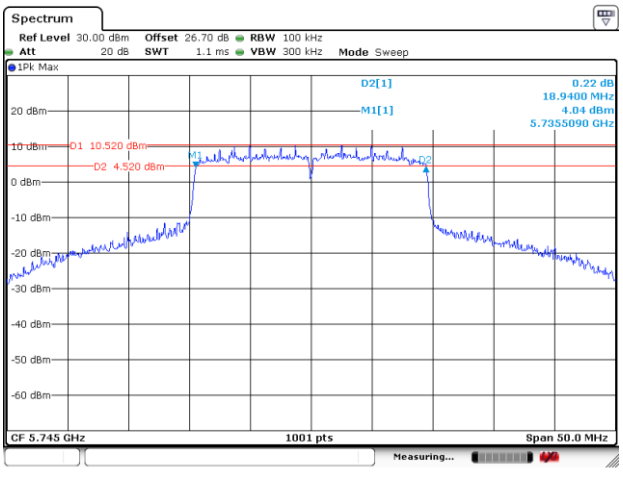
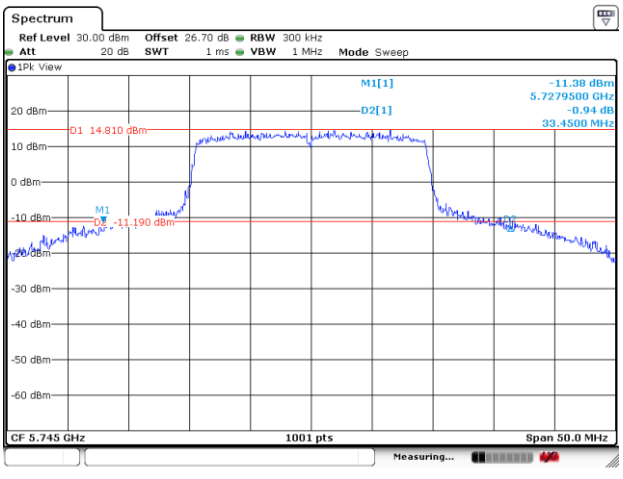
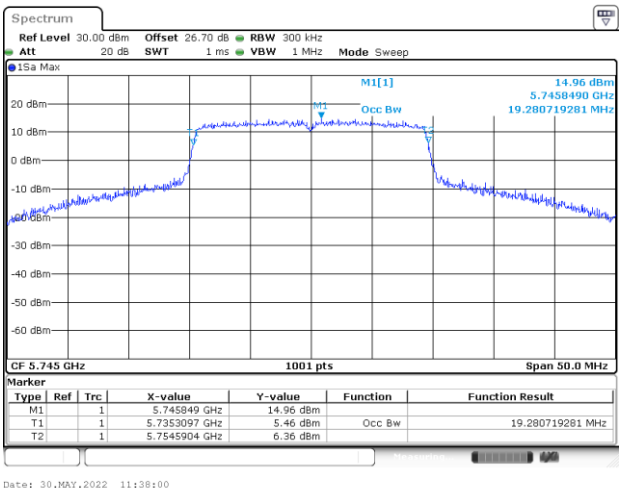
MIMO <Ant. 5+6>

<802.11a>

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

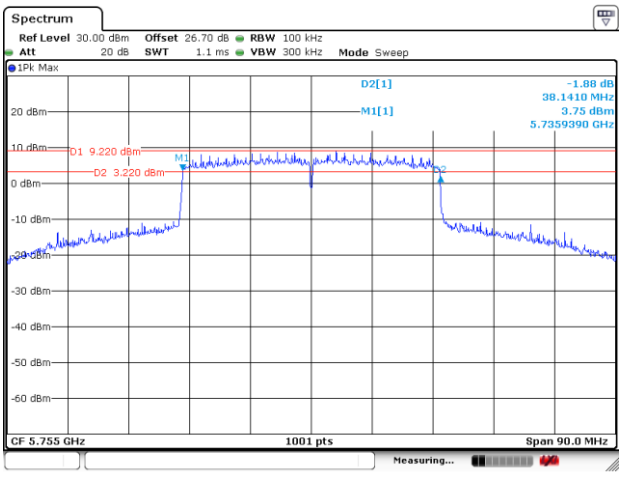
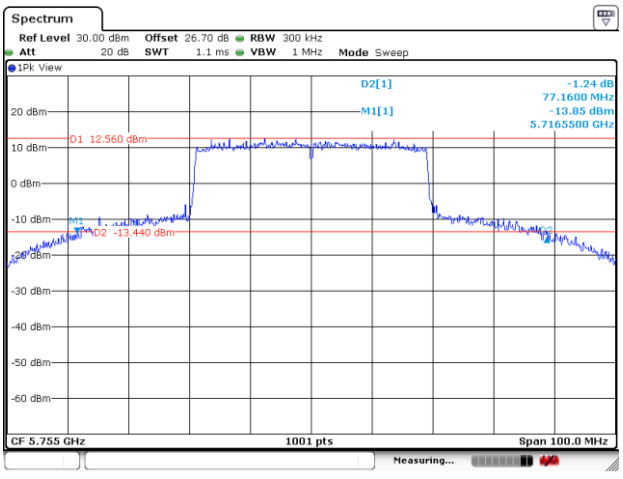
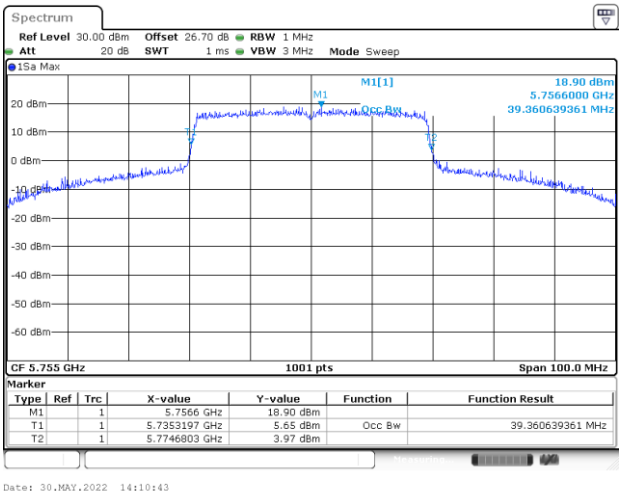
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

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

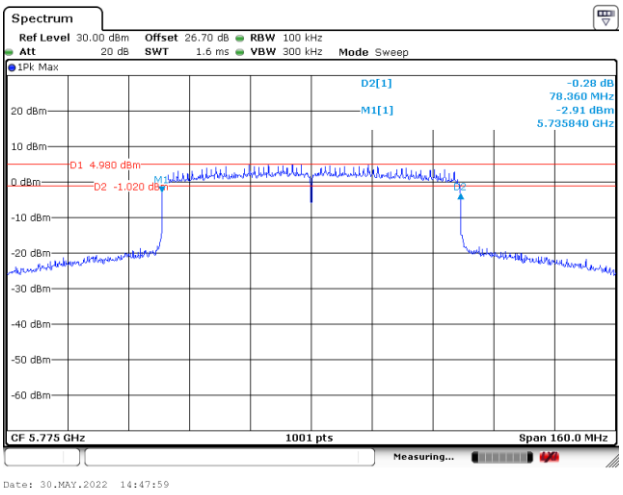
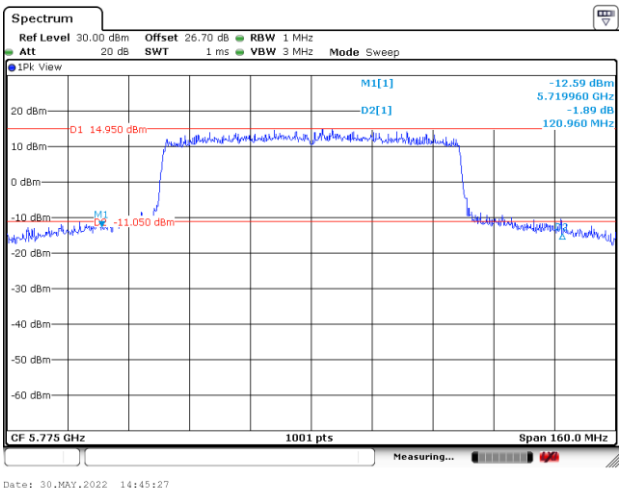
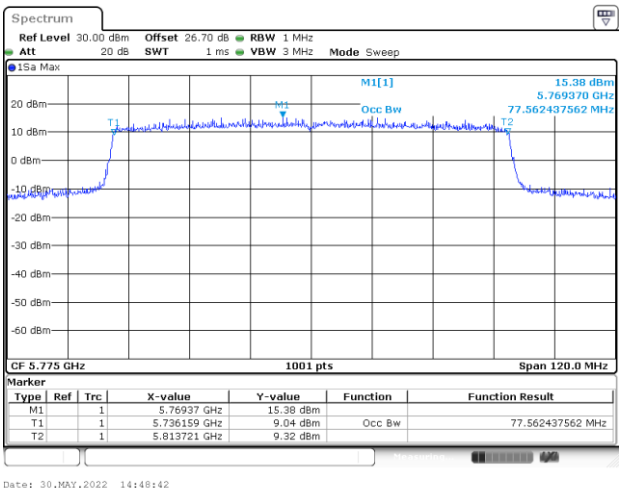
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

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.

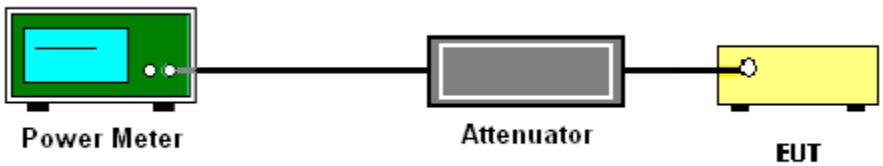
3.2.3 Test Procedures

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.

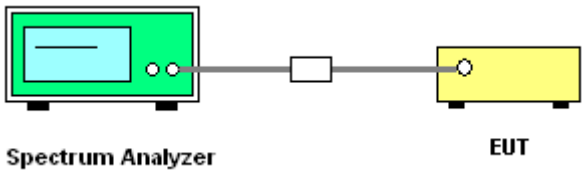
 # Method SA-3 #

(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

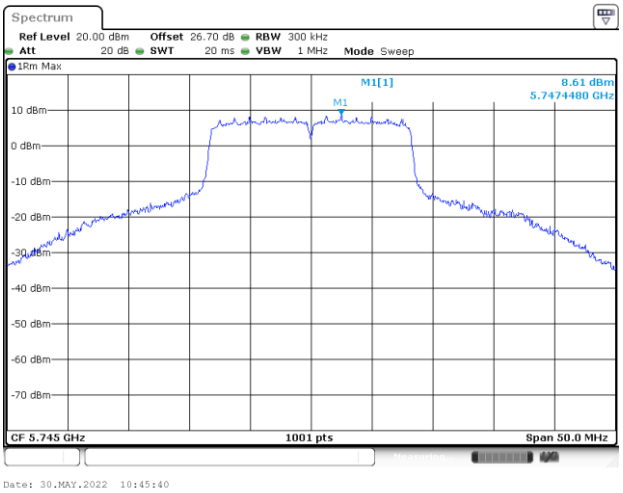
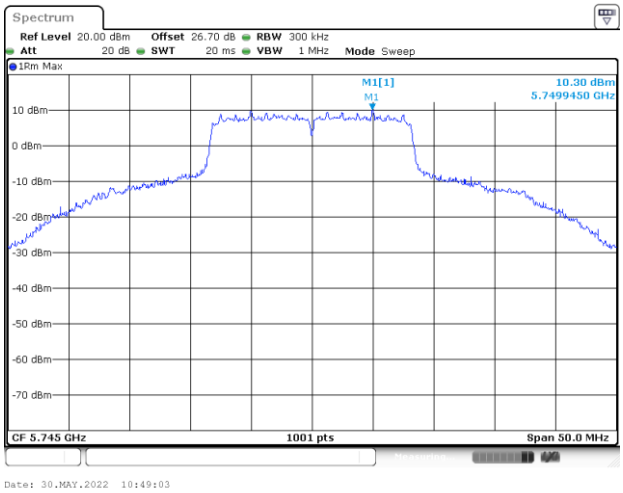


3.3.5 Test Result of Power Spectral Density

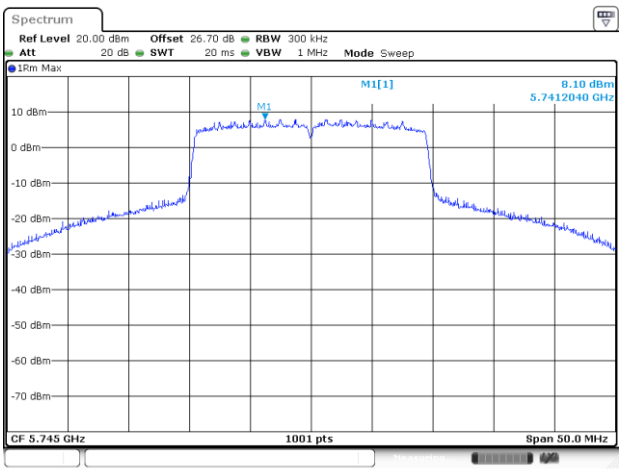
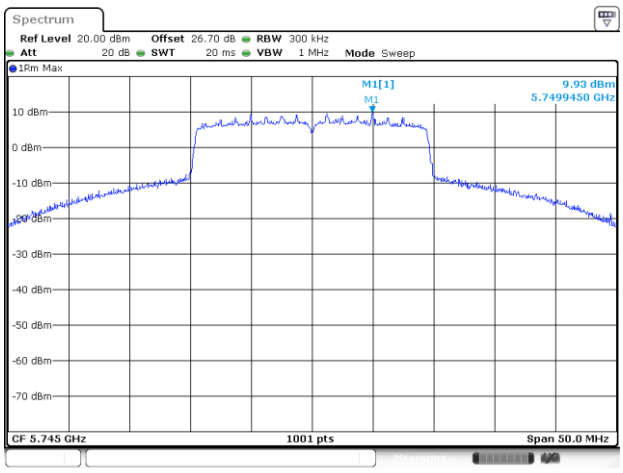
Please refer to Appendix A.

MIMO <Ant. 5+4>

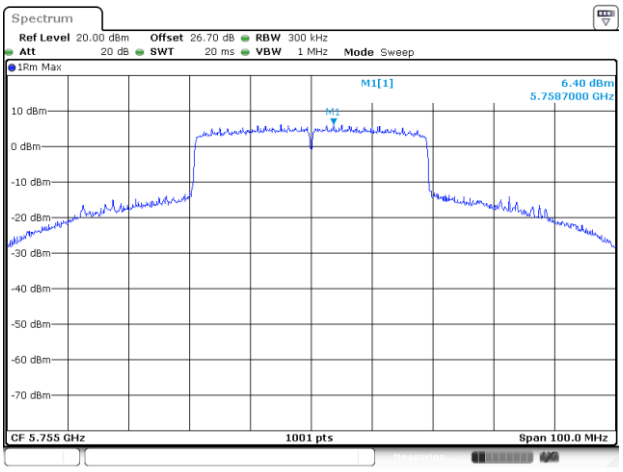
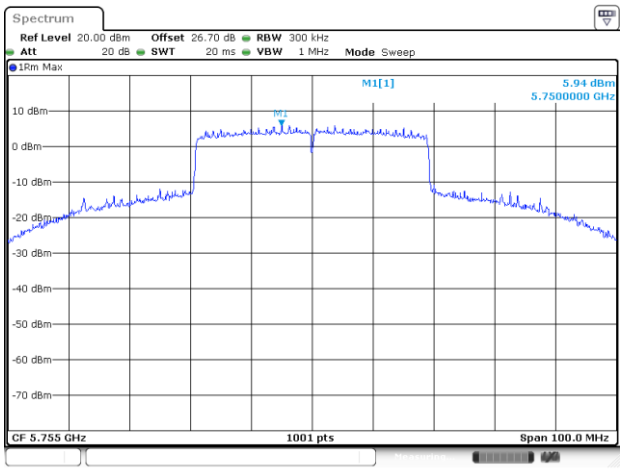
<802.11a>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 4**
	

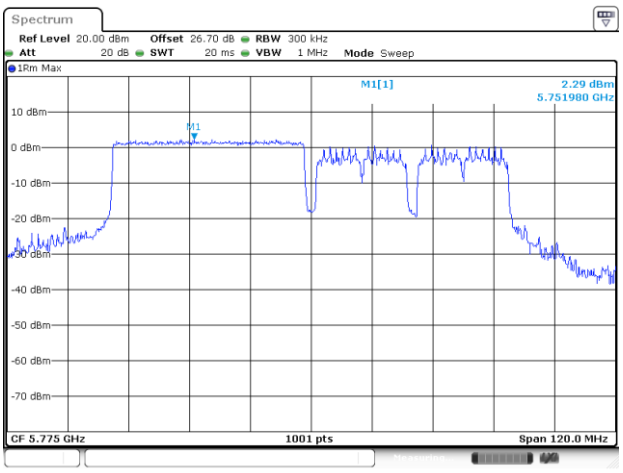
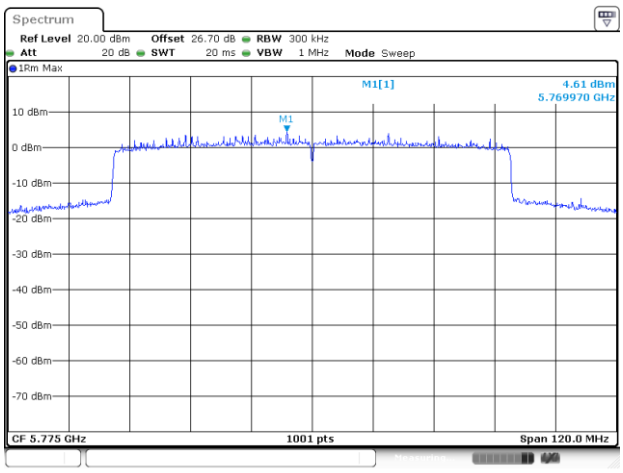
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 4**
	

<802.11ax HE40>

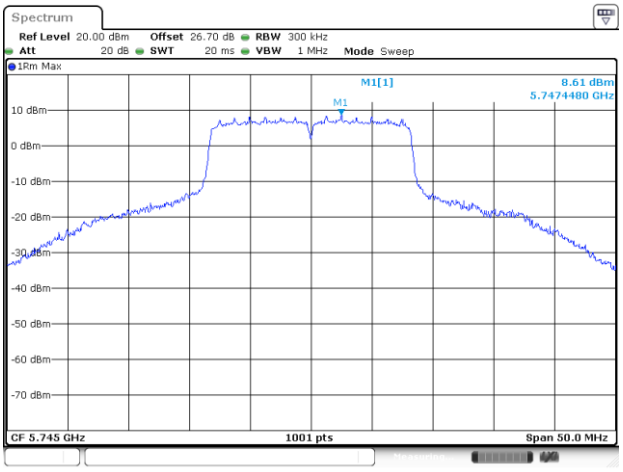
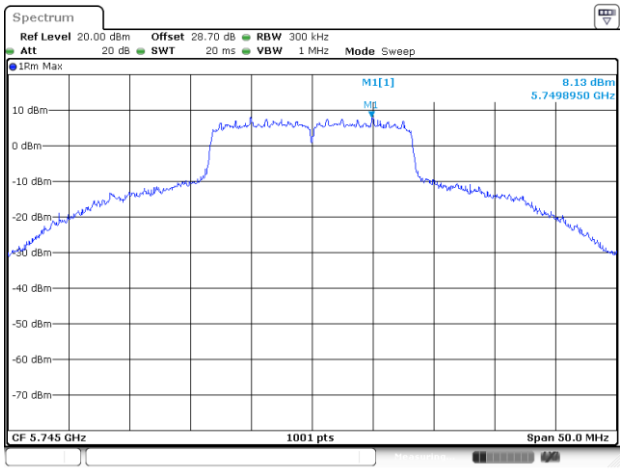
Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 4**
	

<802.11ax HE80>

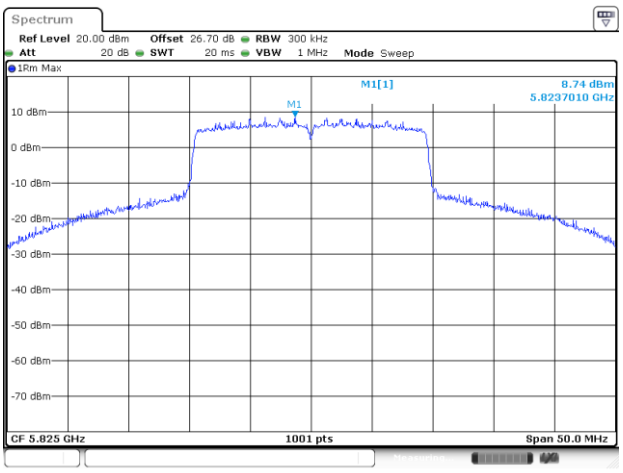
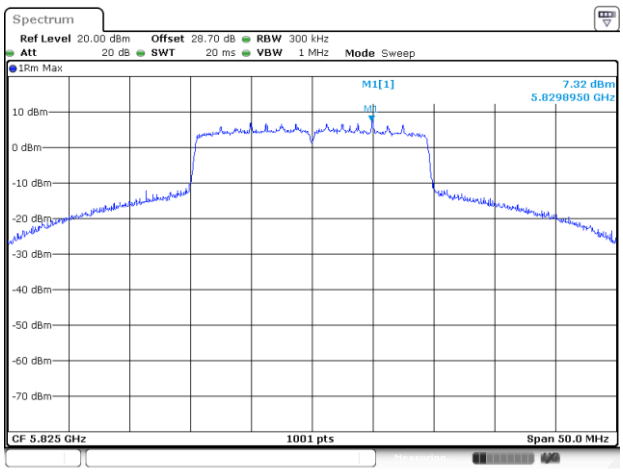
Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 4**
	

MIMO <Ant. 5+6>

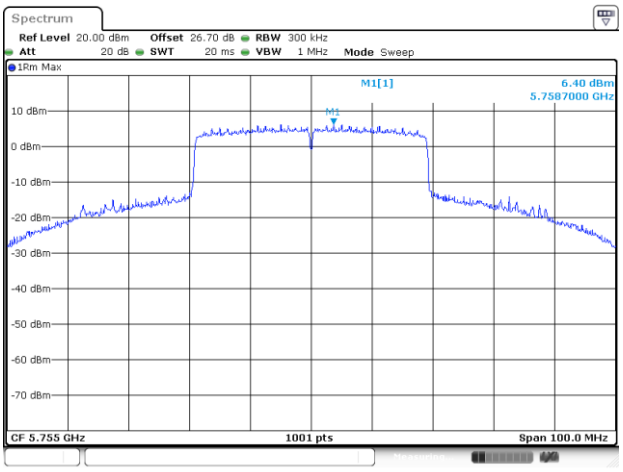
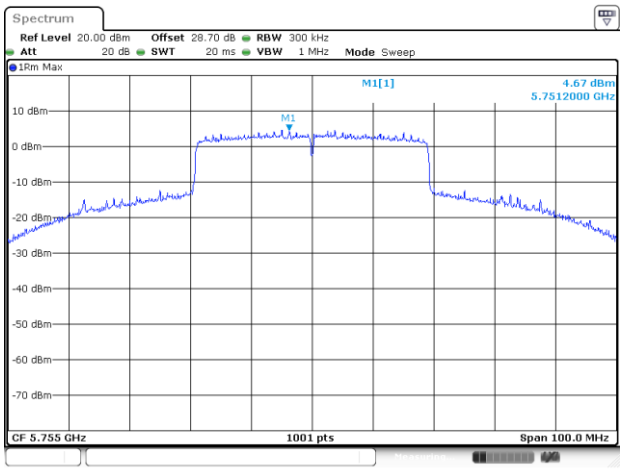
<802.11a>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 6**
	

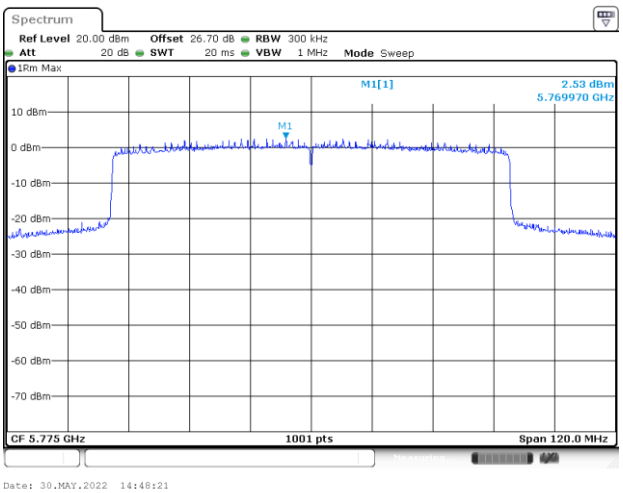
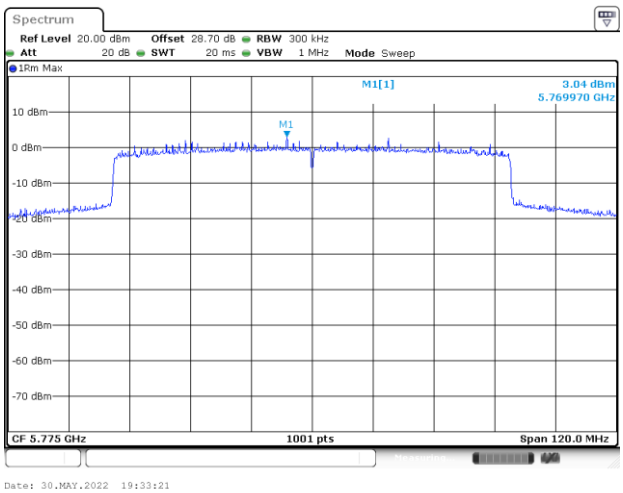
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 6**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 6**
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 5	**MIMO Ant. 6**
	

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

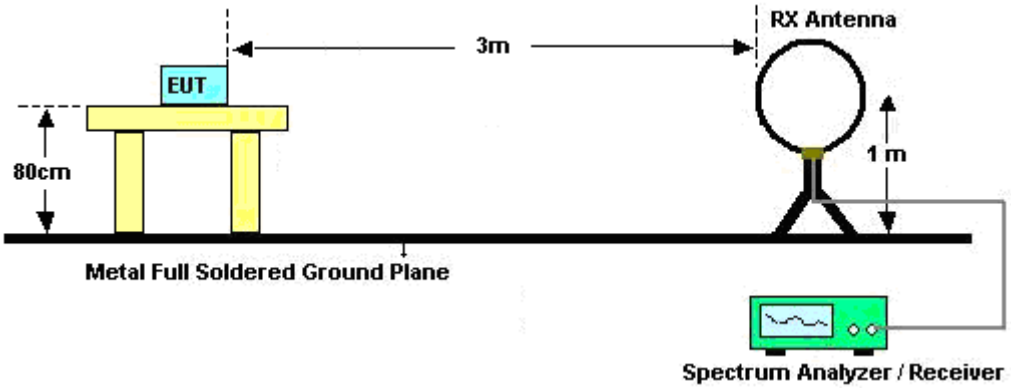
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - 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.

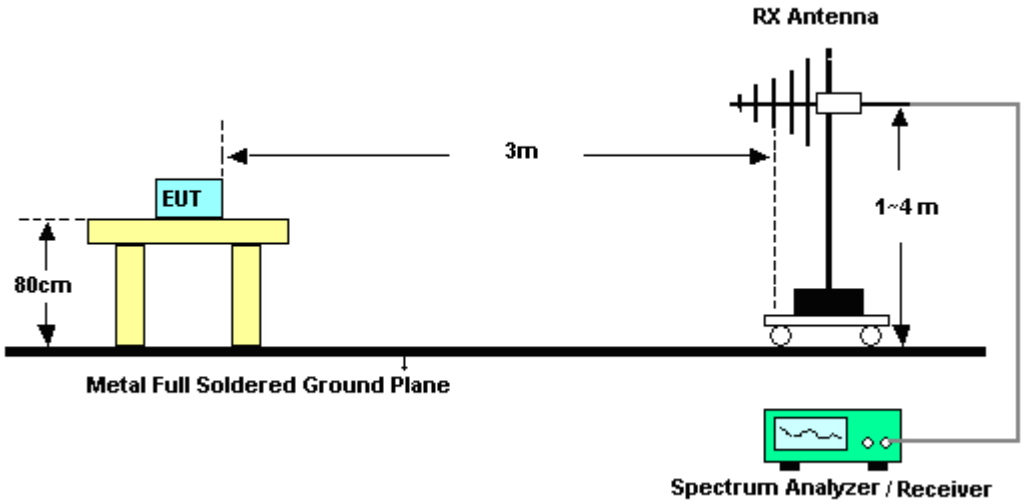
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit 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

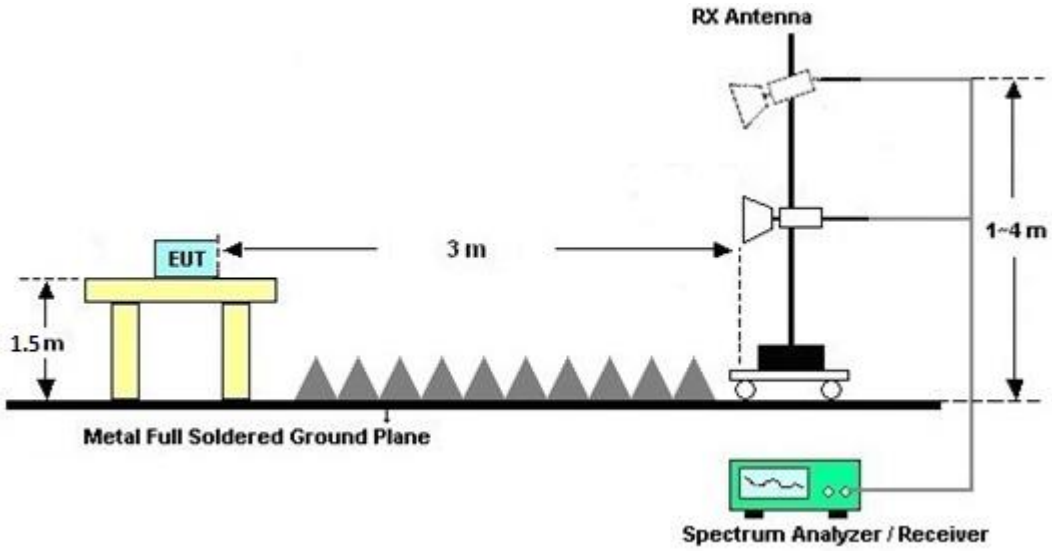
For radiated emissions below 30MHz



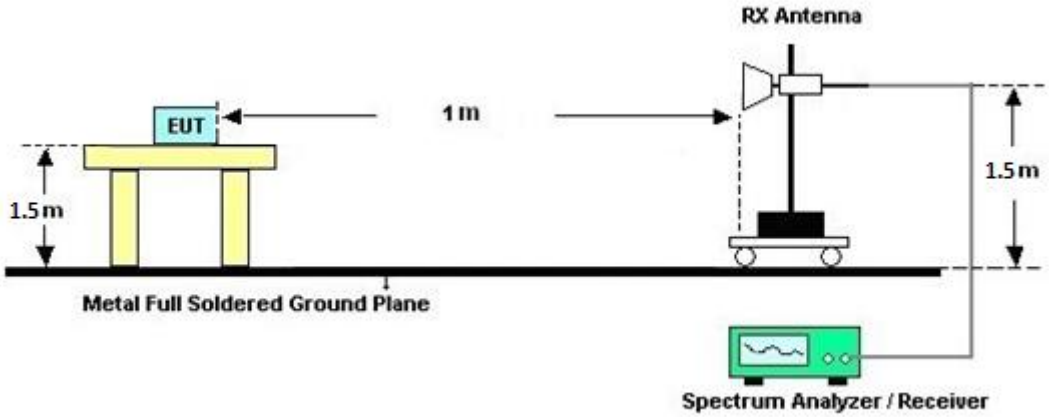
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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.

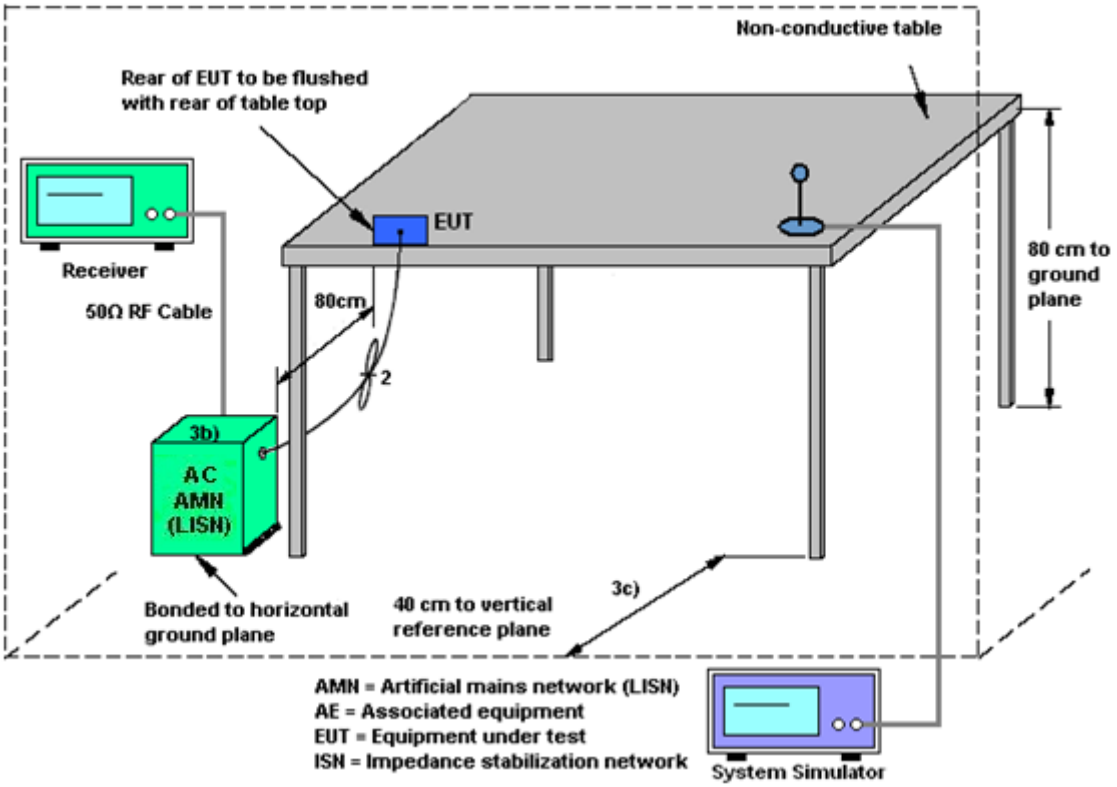
3.5.2 Measuring Instruments

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 power measurements on IEEE 802.11 devices,

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

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

G_{ANT} is set equal to the gain of the antenna having the highest gain.

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

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

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.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

For example: If a device has two antenna, G_{ANT1}= 3.6dBi; G_{ANT2}=4.2dBi

Directional gain of power measurement = max(3.6, 4.2) + 0 = 4.2 dBi

Directional gain of PSD measurement = $10 * \log[(10^{3.6/20} + 10^{4.2/20})^2 / 2]$ = 6.92 dBi

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

MIMO <Ant. 5+4>

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 5	Ant. 4	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.14	-0.85	1.14	3.21	0.00	0.00

MIMO <Ant. 5+6>

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 5	Ant. 6	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.14	-0.39	1.14	3.42	0.00	0.00

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

Calculation example:
The DG for PSD is derived from formula is
10 x log { { [10^ (1.14 dBi / 20) + 10^ (-0.85 dBi / 20)] ^ 2 } / 2 }
= 3.21 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 09, 2021	Apr. 30, 2022~ Jun. 06, 2022	Sep. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Apr. 30, 2022~ Jun. 06, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Apr. 30, 2022~ Jun. 06, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 04, 2021	Apr. 30, 2022~ Jun. 06, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Apr. 30, 2022~ Jun. 06, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005006	1GHz~18GHz	May 06, 2021	Apr. 30, 2022~ May 04, 2022	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005006	1GHz~18GHz	May 05, 2022	May 05, 2022~ Jun. 06, 2022	May 04, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Apr. 30, 2022~ Jun. 06, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Apr. 30, 2022~ Jun. 06, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Apr. 30, 2022~ Jun. 06, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Apr. 30, 2022~ May 05, 2022	May 06, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 07, 2022	May 06, 2022~ Jun. 06, 2022	Mar. 06, 2023	Radiation (03CH15-HY
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 30, 2022~ Jun. 06, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 30, 2022~ Jun. 06, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Apr. 30, 2022~ Jun. 06, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Apr. 30, 2022~ May 11, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY9838/4PE, 508405/2E,582185/4	30MHz~18G	May 12, 2022	May 12, 2022~ Jun. 06, 2022	May 11, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	30MHz-40GHz	Jan. 04, 2022	Apr. 30, 2022~ Jun. 06, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Apr. 30, 2022~ Jun. 06, 2022	Mar. 09, 2023	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	May 17, 2022~ Jun. 08, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	May 17, 2022~ Jun. 08, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	May 17, 2022~ Jun. 08, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUME NT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	May 17, 2022~ Jun. 08, 2022	Aug. 11, 2022	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	May 11, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 11, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 29, 2021	May 11, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	May 11, 2022	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	May 11, 2022	Feb. 15, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 24, 2022	May 11, 2022	Feb. 23, 2023	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.6 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2022/5/17~2022/6/8	Relative Humidity:	51~54	%

MIMO <Ant. 5+4>

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4		
11a	6Mbps	2	149	5745	16.98	25.22	34.30	41.60	16.38	16.39	0.5	Pass
11a	6Mbps	2	157	5785	16.88	16.98	25.80	26.75	16.60	16.50	0.5	Pass
11a	6Mbps	2	165	5825	17.63	18.38	34.35	34.75	16.39	16.39	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	149	5745	22.40	22.90	25.67	30.00		1.14		Pass
11a	6Mbps	2	157	5785	20.50	19.90	23.22	30.00		1.14		Pass
11a	6Mbps	2	165	5825	22.40	22.10	25.26	30.00		1.14		Pass
HT20	MCS0	2	149	5745	22.40	23.00	25.72	30.00		1.14		Pass
HT20	MCS0	2	157	5785	20.10	19.60	22.87	30.00		1.14		Pass
HT20	MCS0	2	165	5825	22.40	22.00	25.21	30.00		1.14		Pass
HT40	MCS0	2	151	5755	23.40	22.80	26.12	30.00		1.14		Pass
HT40	MCS0	2	159	5795	22.10	21.90	25.01	30.00		1.14		Pass
VHT20	MCS0	2	149	5745	22.40	23.00	25.72	30.00		1.14		Pass
VHT20	MCS0	2	157	5785	20.10	19.60	22.87	30.00		1.14		Pass
VHT20	MCS0	2	165	5825	22.40	22.00	25.21	30.00		1.14		Pass
VHT40	MCS0	2	151	5755	23.40	22.80	26.12	30.00		1.14		Pass
VHT40	MCS0	2	159	5795	22.10	21.90	25.01	30.00		1.14		Pass
VHT80	MCS0	2	155	5775	22.00	22.70	25.37	30.00		1.14		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	149	5745	2.22		10.83	12.52	15.53	30.00		3.21		Pass
11a	6Mbps	2	157	5785	2.22		10.83	12.20	15.21	30.00		3.21		Pass
11a	6Mbps	2	165	5825	2.22		10.82	10.68	13.83	30.00		3.21		Pass

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

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4		
HE20	MCS0	2	149	5745	Full	19.28	25.57	33.45	45.35	18.94	18.69	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.98	18.98	21.90	22.10	18.98	18.79	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.38	19.73	34.85	38.90	18.94	18.90	0.5	Pass
HE40	MCS0	2	151	5755	Full	39.36	45.05	77.16	87.31	38.14	38.05	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.46	38.96	67.14	72.18	38.14	38.05	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.56	78.52	120.96	169.52	78.36	76.60	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	149	5745	Full	22.50	23.10	25.82	30.00		1.14		Pass
HE20	MCS0	2	149	5745	26/0	13.90	13.10	16.53	30.00		1.14		Pass
HE20	MCS0	2	149	5745	52/37	17.00	16.00	19.54	30.00		1.14		Pass
HE20	MCS0	2	149	5745	106/53	19.60	18.80	22.23	30.00		1.14		Pass
HE20	MCS0	2	149	5745	242	21.30	20.60	23.97	30.00		1.14		Pass
HE20	MCS0	2	157	5785	Full	20.20	19.70	22.97	30.00		1.14		Pass
HE20	MCS0	2	157	5785	26/4	12.80	12.20	15.52	30.00		1.14		Pass
HE20	MCS0	2	157	5785	52/38	15.40	14.70	18.07	30.00		1.14		Pass
HE20	MCS0	2	157	5785	106/53	18.50	17.90	21.22	30.00		1.14		Pass
HE20	MCS0	2	157	5785	242	20.10	19.60	22.87	30.00		1.14		Pass
HE20	MCS0	2	165	5825	Full	22.50	22.10	25.31	30.00		1.14		Pass
HE20	MCS0	2	165	5825	26/8	14.60	14.40	17.51	30.00		1.14		Pass
HE20	MCS0	2	165	5825	52/40	17.70	17.60	20.66	30.00		1.14		Pass
HE20	MCS0	2	165	5825	106/54	20.40	20.20	23.31	30.00		1.14		Pass
HE20	MCS0	2	165	5825	242	21.60	21.40	24.51	30.00		1.14		Pass
HE40	MCS0	2	151	5755	Full	23.50	22.90	26.22	30.00		1.14		Pass
HE40	MCS0	2	151	5755	242/61	21.40	21.00	24.21	30.00		1.14		Pass
HE40	MCS0	2	151	5755	484	22.60	22.40	25.51	30.00		1.14		Pass
HE40	MCS0	2	159	5795	Full	22.20	22.00	25.11	30.00		1.14		Pass
HE40	MCS0	2	159	5795	242/62	20.40	20.60	23.51	30.00		1.14		Pass
HE40	MCS0	2	159	5795	484	21.60	21.50	24.56	30.00		1.14		Pass
HE80	MCS0	2	155	5775	Full	22.10	22.80	25.47	30.00		1.14		Pass
HE80	MCS0	2	155	5775	484/65	20.70	20.20	23.47	30.00		1.14		Pass
HE80	MCS0	2	155	5775	484/66	20.50	20.10	23.31	30.00		1.14		Pass
HE80	MCS0	2	155	5775	996	19.90	19.50	22.71	30.00		1.14		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	149	5745	Full	2.22		10.32	12.15	15.16	30.00		3.21		Pass
HE20	MCS0	2	149	5745	26/0	2.22		9.96	9.28	12.97	30.00		3.21		Pass
HE20	MCS0	2	149	5745	52/37	2.22		10.28	9.32	13.29	30.00		3.21		Pass
HE20	MCS0	2	149	5745	106/53	2.22		10.17	9.10	13.18	30.00		3.21		Pass
HE20	MCS0	2	149	5745	242	2.22		9.95	9.55	12.96	30.00		3.21		Pass
HE20	MCS0	2	157	5785	Full	2.22		8.89	8.84	11.90	30.00		3.21		Pass
HE20	MCS0	2	157	5785	26/4	2.22		8.77	8.09	11.78	30.00		3.21		Pass
HE20	MCS0	2	157	5785	52/38	2.22		8.82	8.00	11.83	30.00		3.21		Pass
HE20	MCS0	2	157	5785	106/53	2.22		8.80	8.16	11.81	30.00		3.21		Pass
HE20	MCS0	2	157	5785	242	2.22		8.77	8.63	11.78	30.00		3.21		Pass
HE20	MCS0	2	165	5825	Full	2.22		10.96	10.85	13.97	30.00		3.21		Pass
HE20	MCS0	2	165	5825	26/8	2.22		10.78	10.54	13.79	30.00		3.21		Pass
HE20	MCS0	2	165	5825	52/40	2.22		10.87	10.73	13.88	30.00		3.21		Pass
HE20	MCS0	2	165	5825	106/54	2.22		10.77	10.67	13.78	30.00		3.21		Pass
HE20	MCS0	2	165	5825	242	2.22		10.51	10.79	13.80	30.00		3.21		Pass
HE40	MCS0	2	151	5755	Full	2.22		8.62	8.16	11.63	30.00		3.21		Pass
HE40	MCS0	2	151	5755	242/61	2.22		8.40	8.13	11.41	30.00		3.21		Pass
HE40	MCS0	2	151	5755	484	2.22		8.12	8.15	11.16	30.00		3.21		Pass
HE40	MCS0	2	159	5795	Full	2.22		7.42	7.54	10.55	30.00		3.21		Pass
HE40	MCS0	2	159	5795	242/62	2.22		7.34	7.24	10.35	30.00		3.21		Pass
HE40	MCS0	2	159	5795	484	2.22		7.21	-2.75	10.22	30.00		3.21		Pass
HE80	MCS0	2	155	5775	Full	2.22		4.75	6.83	9.84	30.00		3.21		Pass
HE80	MCS0	2	155	5775	484/65	2.22		4.51	4.34	7.52	30.00		3.21		Pass
HE80	MCS0	2	155	5775	484/66	2.22		4.43	4.22	7.44	30.00		3.21		Pass
HE80	MCS0	2	155	5775	996	2.22		2.35	2.38	5.39	30.00		3.21		Pass

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

MIMO <Ant. 5+6>

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6		
11a	6Mbps	2	149	5745	16.98	25.62	34.30	41.20	16.38	16.39	0.5	Pass
11a	6Mbps	2	157	5785	16.53	16.68	20.75	26.10	16.39	16.39	0.5	Pass
11a	6Mbps	2	165	5825	17.63	19.78	34.35	36.90	16.39	16.39	0.5	Pass

Report Number : FR210404F

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 5	Ant 6	SUM	Ant 5	Ant 6	Ant 5	Ant 6	
11a	6Mbps	2	149	5745	22.40	20.90	24.72	30.00		1.14		Pass
11a	6Mbps	2	157	5785	20.30	18.50	22.50	30.00		1.14		Pass
11a	6Mbps	2	165	5825	22.40	20.10	24.41	30.00		1.14		Pass
HT20	MCS0	2	149	5745	22.40	21.10	24.81	30.00		1.14		Pass
HT20	MCS0	2	157	5785	20.10	18.40	22.34	30.00		1.14		Pass
HT20	MCS0	2	165	5825	22.40	20.20	24.45	30.00		1.14		Pass
HT40	MCS0	2	151	5755	23.40	20.80	25.30	30.00		1.14		Pass
HT40	MCS0	2	159	5795	22.10	20.10	24.22	30.00		1.14		Pass
VHT20	MCS0	2	149	5745	22.40	21.10	24.81	30.00		1.14		Pass
VHT20	MCS0	2	157	5785	20.10	18.40	22.34	30.00		1.14		Pass
VHT20	MCS0	2	165	5825	22.40	20.20	24.45	30.00		1.14		Pass
VHT40	MCS0	2	151	5755	23.40	20.80	25.30	30.00		1.14		Pass
VHT40	MCS0	2	159	5795	22.10	20.10	24.22	30.00		1.14		Pass
VHT80	MCS0	2	155	5775	22.00	20.90	24.50	30.00		1.14		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	Ant 5	Ant 6	
11a	6Mbps	2	149	5745	2.22		10.83	10.35	13.84	30.00		3.42		Pass
11a	6Mbps	2	157	5785	2.22		9.12	6.94	12.13	30.00		3.42		Pass
11a	6Mbps	2	165	5825	2.22		10.82	8.81	13.83	30.00		3.42		Pass

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

Report Number : FR210404F

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6		
HE20	MCS0	2	149	5745	Full	19.28	26.62	33.45	46.80	18.94	18.49	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.98	19.13	21.90	23.85	18.98	18.94	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.38	21.37	34.85	37.60	18.94	18.58	0.5	Pass
HE40	MCS0	2	151	5755	Full	39.36	49.85	77.16	86.95	38.14	38.05	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.46	39.16	67.14	77.25	38.14	38.14	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.56	79.00	120.96	175.09	78.36	76.28	0.5	Pass

Report Number : FR210404F

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 5	Ant 6	SUM	Ant 5	Ant 6	Ant 5	Ant 6	
HE20	MCS0	2	149	5745	Full	22.50	21.20	24.91	30.00		1.14		Pass
HE20	MCS0	2	149	5745	26/0	13.90	11.40	15.84	30.00		1.14		Pass
HE20	MCS0	2	149	5745	52/37	17.00	14.20	18.83	30.00		1.14		Pass
HE20	MCS0	2	149	5745	106/53	19.60	16.90	21.47	30.00		1.14		Pass
HE20	MCS0	2	149	5745	242	21.30	18.60	23.17	30.00		1.14		Pass
HE20	MCS0	2	157	5785	Full	20.20	18.50	22.44	30.00		1.14		Pass
HE20	MCS0	2	157	5785	26/4	12.80	10.20	14.70	30.00		1.14		Pass
HE20	MCS0	2	157	5785	52/38	15.40	12.60	17.23	30.00		1.14		Pass
HE20	MCS0	2	157	5785	106/53	18.50	15.90	20.40	30.00		1.14		Pass
HE20	MCS0	2	157	5785	242	20.10	18.00	22.19	30.00		1.14		Pass
HE20	MCS0	2	165	5825	Full	22.50	20.30	24.55	30.00		1.14		Pass
HE20	MCS0	2	165	5825	26/8	14.60	12.30	16.61	30.00		1.14		Pass
HE20	MCS0	2	165	5825	52/40	17.70	15.40	19.71	30.00		1.14		Pass
HE20	MCS0	2	165	5825	106/54	20.40	18.00	22.37	30.00		1.14		Pass
HE20	MCS0	2	165	5825	242	21.60	19.20	23.57	30.00		1.14		Pass
HE40	MCS0	2	151	5755	Full	23.50	20.90	25.40	30.00		1.14		Pass
HE40	MCS0	2	151	5755	242/61	21.40	19.00	23.37	30.00		1.14		Pass
HE40	MCS0	2	151	5755	484	22.60	20.20	24.57	30.00		1.14		Pass
HE40	MCS0	2	159	5795	Full	22.20	20.20	24.32	30.00		1.14		Pass
HE40	MCS0	2	159	5795	242/62	20.40	18.50	22.56	30.00		1.14		Pass
HE40	MCS0	2	159	5795	484	21.60	19.70	23.76	30.00		1.14		Pass
HE80	MCS0	2	155	5775	Full	22.10	21.00	24.60	30.00		1.14		Pass
HE80	MCS0	2	155	5775	484/65	20.70	18.30	22.67	30.00		1.14		Pass
HE80	MCS0	2	155	5775	484/66	20.50	18.10	22.47	30.00		1.14		Pass
HE80	MCS0	2	155	5775	996	19.90	18.20	22.14	30.00		1.14		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	Ant 5	Ant 6	
HE20	MCS0	2	149	5745	Full	2.22		10.32	10.95	13.96	30.00		3.42		Pass
HE20	MCS0	2	149	5745	26/0	2.22		9.96	7.96	12.97	30.00		3.42		Pass
HE20	MCS0	2	149	5745	52/37	2.22		10.28	7.67	13.29	30.00		3.42		Pass
HE20	MCS0	2	149	5745	106/53	2.22		10.17	7.29	13.18	30.00		3.42		Pass
HE20	MCS0	2	149	5745	242	2.22		9.95	7.60	12.96	30.00		3.42		Pass
HE20	MCS0	2	157	5785	Full	2.22		8.89	7.75	11.90	30.00		3.42		Pass
HE20	MCS0	2	157	5785	26/4	2.22		8.77	6.38	11.78	30.00		3.42		Pass
HE20	MCS0	2	157	5785	52/38	2.22		8.82	6.15	11.83	30.00		3.42		Pass
HE20	MCS0	2	157	5785	106/53	2.22		8.80	6.41	11.81	30.00		3.42		Pass
HE20	MCS0	2	157	5785	242	2.22		8.77	7.17	11.78	30.00		3.42		Pass
HE20	MCS0	2	165	5825	Full	2.22		10.96	9.54	13.97	30.00		3.42		Pass
HE20	MCS0	2	165	5825	26/8	2.22		10.78	8.82	13.79	30.00		3.42		Pass
HE20	MCS0	2	165	5825	52/40	2.22		10.87	9.12	13.88	30.00		3.42		Pass
HE20	MCS0	2	165	5825	106/54	2.22		10.77	8.52	13.78	30.00		3.42		Pass
HE20	MCS0	2	165	5825	242	2.22		10.51	8.76	13.52	30.00		3.42		Pass
HE40	MCS0	2	151	5755	Full	2.22		8.62	6.89	11.63	30.00		3.42		Pass
HE40	MCS0	2	151	5755	242/61	2.22		8.40	6.31	11.41	30.00		3.42		Pass
HE40	MCS0	2	151	5755	484	2.22		8.12	6.19	11.13	30.00		3.42		Pass
HE40	MCS0	2	159	5795	Full	2.22		7.42	5.88	10.43	30.00		3.42		Pass
HE40	MCS0	2	159	5795	242/62	2.22		7.34	5.40	10.35	30.00		3.42		Pass
HE40	MCS0	2	159	5795	484	2.22		7.21	5.42	10.22	30.00		3.42		Pass
HE80	MCS0	2	155	5775	Full	2.22		4.75	5.26	8.27	30.00		3.42		Pass
HE80	MCS0	2	155	5775	484/65	2.22		4.51	2.29	7.52	30.00		3.42		Pass
HE80	MCS0	2	155	5775	484/66	2.22		4.43	2.50	7.44	30.00		3.42		Pass
HE80	MCS0	2	155	5775	996	2.22		4.03	4.46	7.47	30.00		3.42		Pass

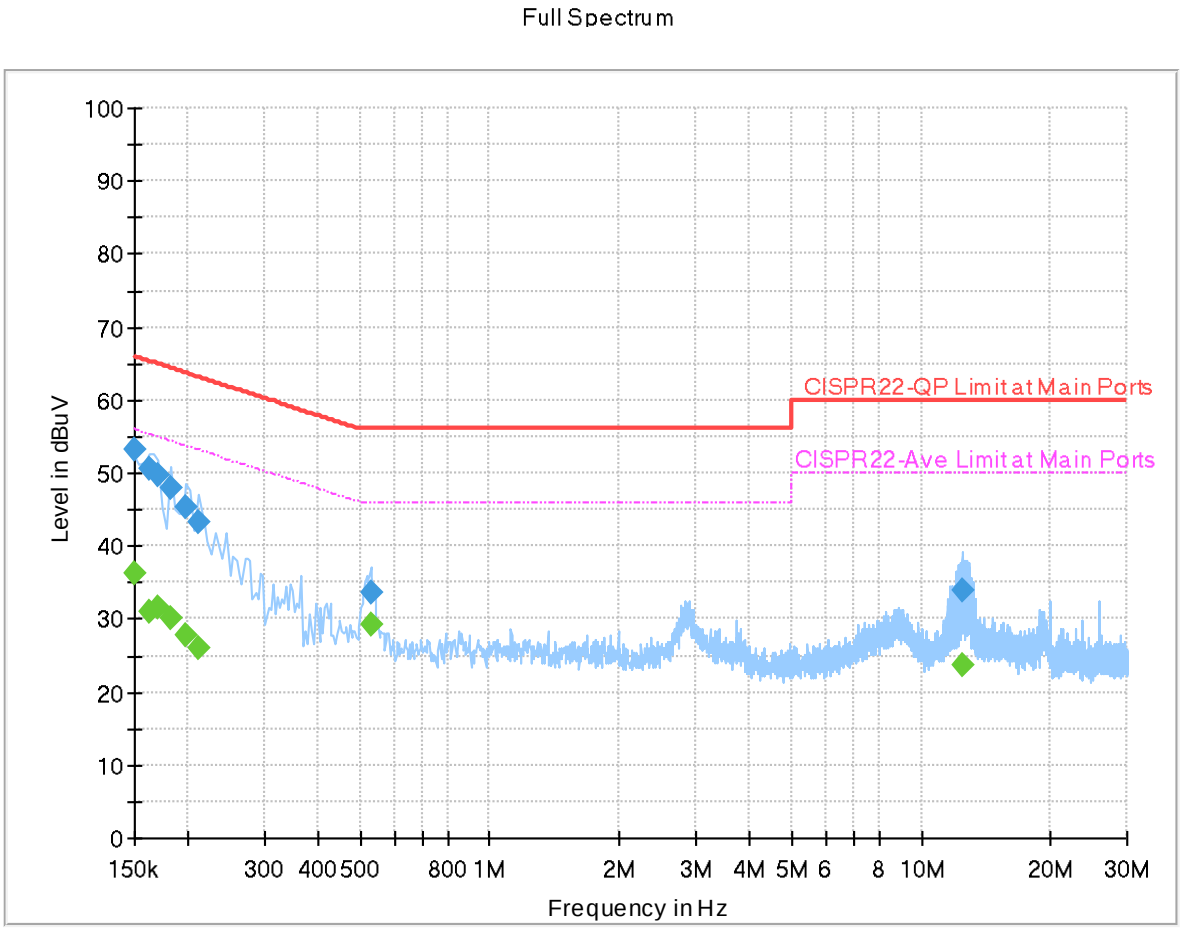
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.3~27.8℃
		Relative Humidity :	42.6~48.7%

EUT Information

Report NO :	210404
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

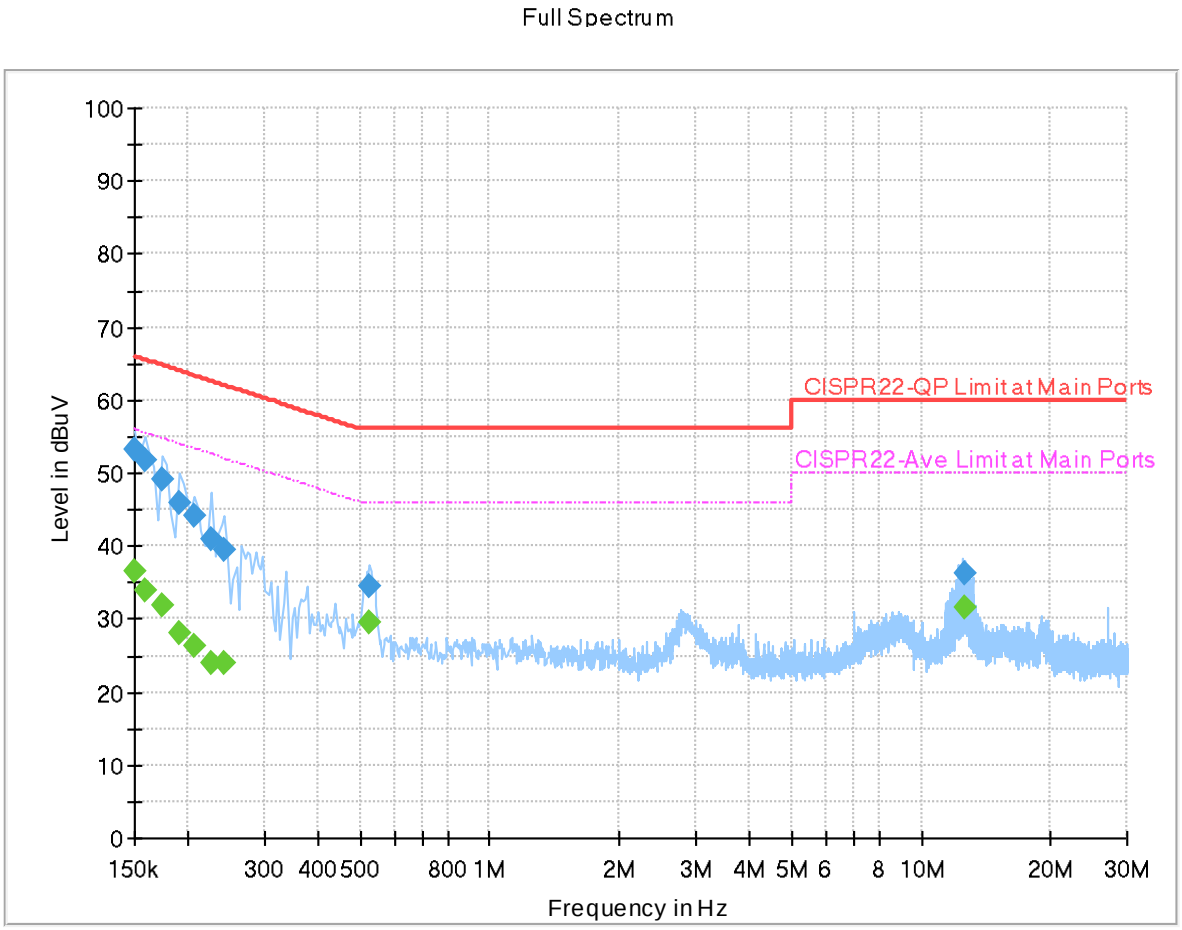


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	36.28	56.00	19.72	L1	OFF	20.0
0.150000	53.13	---	66.00	12.87	L1	OFF	20.0
0.162000	---	30.95	55.36	24.41	L1	OFF	20.0
0.162000	50.57	---	65.36	14.79	L1	OFF	20.0
0.170000	---	31.46	54.96	23.50	L1	OFF	20.0
0.170000	49.80	---	64.96	15.16	L1	OFF	20.0
0.182000	---	29.99	54.39	24.40	L1	OFF	20.0
0.182000	47.95	---	64.39	16.44	L1	OFF	20.0
0.198000	---	27.91	53.69	25.78	L1	OFF	20.0
0.198000	45.37	---	63.69	18.32	L1	OFF	20.0
0.210000	---	25.96	53.21	27.25	L1	OFF	20.0
0.210000	43.39	---	63.21	19.82	L1	OFF	20.0
0.530000	---	29.13	46.00	16.87	L1	OFF	20.0
0.530000	33.64	---	56.00	22.36	L1	OFF	20.0
12.470000	---	23.67	50.00	26.33	L1	OFF	20.2
12.470000	33.78	---	60.00	26.22	L1	OFF	20.2

EUT Information

Report NO :	210404
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	36.46	56.00	19.54	N	OFF	20.0
0.150000	53.19	---	66.00	12.81	N	OFF	20.0
0.158000	---	33.98	55.57	21.59	N	OFF	20.0
0.158000	51.76	---	65.57	13.81	N	OFF	20.0
0.174000	---	31.95	54.77	22.82	N	OFF	20.0
0.174000	49.25	---	64.77	15.52	N	OFF	20.0
0.190000	---	27.97	54.04	26.07	N	OFF	20.0
0.190000	45.94	---	64.04	18.10	N	OFF	20.0
0.206000	---	26.35	53.37	27.02	N	OFF	20.0
0.206000	44.03	---	63.37	19.34	N	OFF	20.0
0.226000	---	23.85	52.60	28.75	N	OFF	20.0
0.226000	40.82	---	62.60	21.78	N	OFF	20.0
0.242000	---	24.03	52.03	28.00	N	OFF	20.0
0.242000	39.47	---	62.03	22.56	N	OFF	20.0
0.526000	---	29.47	46.00	16.53	N	OFF	20.0
0.526000	34.36	---	56.00	21.64	N	OFF	20.0
12.666000	---	31.49	50.00	18.51	N	OFF	20.2
12.666000	36.14	---	60.00	23.86	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang	**Temperature :**	22.1~23.1°C
		Relative Humidity :	55~60%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5625.6	49.01	-19.19	68.2	42.4	33	10.41	36.8	103	331	P	H
		5699.6	60.56	-44.35	104.91	53.82	33.1	10.49	36.85	103	331	P	H
		5719.8	72.77	-37.97	110.74	65.91	33.22	10.51	36.87	103	331	P	H
		5724.4	82.78	-38.05	120.83	75.88	33.25	10.52	36.87	103	331	P	H
	*	5745	115.48	-	-	108.46	33.37	10.54	36.89	103	331	P	H
	*	5745	108.77	-	-	101.75	33.37	10.54	36.89	103	331	A	H
													H
													H
		5608.2	48.73	-19.47	68.2	42.13	33	10.39	36.79	300	254	P	V
		5698.8	62.97	-41.35	104.32	56.23	33.1	10.49	36.85	300	254	P	V
		5720	73.22	-37.58	110.8	66.36	33.22	10.51	36.87	300	254	P	V
		5725	87.2	-35	122.2	80.3	33.25	10.52	36.87	300	254	P	V
	*	5745	107.68	-	-	100.65	33.38	10.54	36.89	300	254	P	V
	*	5745	100.15	-	-	93.12	33.38	10.54	36.89	300	254	A	V
													V
													V

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5636.6	48.77	-19.43	68.2	42.16	33	10.42	36.81	100	330	P	H
		5654.4	48.46	-23.01	71.47	41.83	33.01	10.44	36.82	100	330	P	H
		5706.2	49.07	-57.87	106.94	42.29	33.14	10.5	36.86	100	330	P	H
		5724	50.29	-69.63	119.92	43.4	33.24	10.52	36.87	100	330	P	H
	*	5785	116.55	-	-	109.28	33.61	10.58	36.92	100	330	P	H
	*	5785	109.14	-	-	101.87	33.61	10.58	36.92	100	330	A	H
		5851.805	50.73	-67.35	118.08	43.15	33.9	10.64	36.96	100	330	P	H
		5869.23	49.57	-57.24	106.81	41.96	33.94	10.65	36.98	100	330	P	H
		5900.8	49.73	-36.34	86.07	42.06	34	10.67	37	100	330	P	H
		5949.385	51.28	-16.92	68.2	43.61	34	10.7	37.03	100	330	P	H
													H
802.11a CH 157 5785MHz													H
		5634.8	48.61	-19.59	68.2	42	33	10.42	36.81	294	255	P	V
		5698.4	48.24	-55.78	104.02	41.5	33.1	10.49	36.85	294	255	P	V
		5713	49.39	-59.45	108.84	42.57	33.18	10.5	36.86	294	255	P	V
		5723.2	50.09	-68.01	118.1	43.2	33.24	10.52	36.87	294	255	P	V
	*	5785	116.04	-	-	108.77	33.61	10.58	36.92	294	255	P	V
	*	5785	108.52	-	-	101.25	33.61	10.58	36.92	294	255	A	V
		5852.83	50.53	-65.22	115.75	42.94	33.91	10.64	36.96	294	255	P	V
		5855.905	51.14	-59.41	110.55	43.56	33.91	10.64	36.97	294	255	P	V
		5877.02	50.87	-52.83	103.7	43.25	33.95	10.65	36.98	294	255	P	V
		5931.96	49.46	-18.74	68.2	41.79	34	10.69	37.02	294	255	P	V
													V
													V

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	116.53	-	-	109.05	33.8	10.62	36.94	100	330	P	H
	*	5825	109.08	-	-	101.6	33.8	10.62	36.94	100	330	A	H
		5852.4	71.11	-45.62	116.73	63.53	33.9	10.64	36.96	100	330	P	H
		5857.4	69	-41.13	110.13	61.42	33.91	10.64	36.97	100	330	P	H
		5886.6	51.87	-44.72	96.59	44.23	33.97	10.66	36.99	100	330	P	H
		5939.2	50.01	-18.19	68.2	42.34	34	10.7	37.03	100	330	P	H
													H
802.11a													H
CH 165	*	5825	114.2	-	-	106.72	33.8	10.62	36.94	297	251	P	V
5825MHz	*	5825	106.69	-	-	99.21	33.8	10.62	36.94	297	251	A	V
		5850.2	68.34	-53.4	121.74	60.76	33.9	10.64	36.96	297	251	P	V
		5855.4	68.06	-42.63	110.69	60.48	33.91	10.64	36.97	297	251	P	V
		5875.4	51.77	-53.13	104.9	44.15	33.95	10.65	36.98	297	251	P	V
		5933.2	49.7	-18.5	68.2	42.03	34	10.69	37.02	297	251	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. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10762	53.13	-20.87	74	61.71	38.92	13.39	60.89	-	-	P	H
		10762	40.13	-13.87	54	48.71	38.92	13.39	60.89	-	-	A	H
		11490	51.16	-22.84	74	59.41	38.83	13.68	60.76	100	330	P	H
		11490	40.61	-13.39	54	48.86	38.83	13.68	60.76	100	330	A	H
		14480	50.75	-23.25	74	58.86	40.52	14.84	63.47	-	-	P	H
		14480	39.97	-14.03	54	48.08	40.52	14.84	63.47	-	-	A	H
		15492	49.58	-24.42	74	58.47	38.22	15.43	62.54	-	-	P	H
		15492	39.21	-14.79	54	48.1	38.22	15.43	62.54	-	-	A	H
		17235	61.94	-6.26	68.2	65.62	37.97	16.64	58.29	-	-	P	H
													H
													H
802.11a CH 149 5745MHz													H
		11488	54.12	-19.88	74	62.36	38.84	13.68	60.76	-	-	P	V
		11488	43.3	-10.7	54	51.54	38.84	13.68	60.76	-	-	A	V
		11490	52.61	-21.39	74	60.86	38.83	13.68	60.76	100	48	P	V
		11490	43.22	-10.78	54	51.47	38.83	13.68	60.76	100	48	A	V
		12214	50.59	-23.41	74	59.09	38.89	14.1	61.49	-	-	P	V
		12214	39.52	-14.48	54	48.02	38.89	14.1	61.49	-	-	A	V
		15525	49.8	-24.2	74	58.62	38.15	15.44	62.41	-	-	P	V
		15525	39.93	-14.07	54	48.75	38.15	15.44	62.41	-	-	A	V
		17235	63.14	-5.06	68.2	66.82	37.97	16.64	58.29	-	-	P	V
													V
													V
													V

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	50	-24	74	58.44	38.66	13.73	60.83	100	274	P	H
		11570	39.09	-14.91	54	47.53	38.66	13.73	60.83	100	274	A	H
		12357	50.63	-23.37	74	59.31	38.74	14.16	61.58	-	-	P	H
		12357	40.47	-13.53	54	49.15	38.74	14.16	61.58	-	-	A	H
		14491	49.31	-24.69	74	57.43	40.51	14.85	63.48	-	-	P	H
		14491	40.02	-13.98	54	48.14	40.51	14.85	63.48	-	-	A	H
		17355	50.2	-18	68.2	53.35	38.26	16.67	58.08	-	-	P	H
		17989	54.96	-19.04	74	52.1	43	17.04	57.18	-	-	P	H
		17989	46.01	-7.99	54	43.15	43	17.04	57.18	-	-	A	H
													H
													H
802.11a CH 157 5785MHz													H
		11570	49.61	-24.39	74	58.05	38.66	13.73	60.83	316	168	P	V
		11570	39.17	-14.83	54	47.61	38.66	13.73	60.83	316	168	A	V
		12170	51.32	-22.68	74	59.79	38.9	14.09	61.46	-	-	P	V
		12170	41.44	-12.56	54	49.91	38.9	14.09	61.46	-	-	A	V
		14491	49.64	-24.36	74	57.76	40.51	14.85	63.48	-	-	P	V
		14491	40.78	-13.22	54	48.9	40.51	14.85	63.48	-	-	A	V
		17355	50.86	-17.34	68.2	54.01	38.26	16.67	58.08	-	-	P	V
		17989	54.71	-19.29	74	51.85	43	17.04	57.18	-	-	P	V
		17989	45.6	-8.4	54	42.74	43	17.04	57.18	-	-	A	V
													V
													V
													V

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10762	50.81	-23.19	74	59.39	38.92	13.39	60.89	-	-	P	H
		10762	40.57	-13.43	54	49.15	38.92	13.39	60.89	-	-	A	H
		11650	50.38	-23.62	74	58.98	38.55	13.78	60.93	100	55	P	H
		11650	39.97	-14.03	54	48.57	38.55	13.78	60.93	100	55	A	H
		14491	49.69	-24.31	74	57.81	40.51	14.85	63.48	-	-	P	H
		14491	40.35	-13.65	54	48.47	40.51	14.85	63.48	-	-	A	H
		16009	50.03	-23.97	74	56.59	37.72	15.58	59.86	-	-	P	H
		16009	41.25	-12.75	54	47.81	37.72	15.58	59.86	-	-	A	H
		17475	59.73	-8.47	68.2	62.44	38.47	16.7	57.88	-	-	P	H
													H
													H
802.11a CH 165 5825MHz													H
		11650	52.9	-21.1	74	61.5	38.55	13.78	60.93	100	117	P	V
		11650	43.03	-10.97	54	51.63	38.55	13.78	60.93	100	117	A	V
		13369	50.35	-23.65	74	57.74	40.05	14.42	61.86	-	-	P	V
		13369	40.47	-13.53	54	47.86	40.05	14.42	61.86	-	-	A	V
		14480	51.29	-22.71	74	59.4	40.52	14.84	63.47	-	-	P	V
		14480	42.04	-11.96	54	50.15	40.52	14.84	63.47	-	-	A	V
		15393	50.66	-23.34	74	59.47	38.4	15.37	62.58	-	-	P	V
		15393	41.67	-12.33	54	50.48	38.4	15.37	62.58	-	-	A	V
		17475	63.53	-4.67	68.2	66.24	38.47	16.7	57.88	100	154	P	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. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5600.4	49.36	-18.84	68.2	42.76	33	10.38	36.78	100	331	P	H
		5699.8	59.19	-45.86	105.05	52.45	33.1	10.49	36.85	100	331	P	H
		5719	82.31	-28.21	110.52	75.46	33.21	10.51	36.87	100	331	P	H
		5725	86.04	-36.16	122.2	79.14	33.25	10.52	36.87	100	331	P	H
	*	5745	117.56	-	-	110.54	33.37	10.54	36.89	100	331	P	H
	*	5745	108.85	-	-	101.83	33.37	10.54	36.89	100	331	A	H
802.11ax													H
HE20 Full													H
CH 149		5634	49.15	-19.05	68.2	42.54	33	10.42	36.81	298	248	P	V
5745MHz		5692.2	64.6	-34.85	99.45	57.89	33.08	10.48	36.85	298	248	P	V
		5719.4	83.34	-27.29	110.63	76.48	33.22	10.51	36.87	298	248	P	V
		5724	88.54	-31.38	119.92	81.65	33.24	10.52	36.87	298	248	P	V
	*	5745	116.54	-	-	109.52	33.37	10.54	36.89	298	248	P	V
	*	5745	107.3	-	-	100.28	33.37	10.54	36.89	298	248	A	V
													V
													V

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	117.67	-	-	110.19	33.8	10.62	36.94	100	325	P	H
	*	5825	109.08	-	-	101.6	33.8	10.62	36.94	100	325	A	H
		5850	82.8	-39.4	122.2	75.22	33.9	10.64	36.96	100	325	P	H
		5860.6	68.28	-40.95	109.23	60.69	33.92	10.64	36.97	100	325	P	H
		5879	54.28	-47.95	102.23	46.64	33.96	10.66	36.98	100	325	P	H
		5931	50.3	-17.9	68.2	42.63	34	10.69	37.02	100	325	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	115.93	-	-	108.45	33.8	10.62	36.94	303	250	P	V
5825MHz	*	5825	106.83	-	-	99.35	33.8	10.62	36.94	303	250	A	V
		5850.6	78.12	-42.71	120.83	70.54	33.9	10.64	36.96	303	250	P	V
		5855.8	68.13	-42.45	110.58	60.55	33.91	10.64	36.97	303	250	P	V
		5875.8	56.72	-47.89	104.61	49.1	33.95	10.65	36.98	303	250	P	V
		5938.8	49.39	-18.81	68.2	41.72	34	10.7	37.03	303	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 HE20 Full (Harmonic @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	50.98	-23.02	74	59.27	38.78	13.69	60.76	-	-	P	H
		11510	40.85	-13.15	54	49.14	38.78	13.69	60.76	-	-	A	H
		11570	50.61	-23.39	74	59.05	38.66	13.73	60.83	315	279	P	H
		11570	39.23	-14.77	54	47.67	38.66	13.73	60.83	315	279	A	H
		14491	49.91	-24.09	74	58.03	40.51	14.85	63.48	-	-	P	H
		14491	41.09	-12.91	54	49.21	40.51	14.85	63.48	-	-	A	H
		15547	49.97	-24.03	74	58.7	38.11	15.45	62.29	-	-	P	H
		15547	40.41	-13.59	54	49.14	38.11	15.45	62.29	-	-	A	H
		17355	57.19	-11.01	68.2	60.34	38.26	16.67	58.08	-	-	P	H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	51.78	-22.22	74	60.22	38.66	13.73	60.83	124	135	P	V
5785MHz		11570	39.84	-14.16	54	48.28	38.66	13.73	60.83	124	135	A	V
		13281	50.89	-23.11	74	58.62	39.68	14.4	61.81	-	-	P	V
		13281	42.03	-11.97	54	49.76	39.68	14.4	61.81	-	-	A	V
		14491	49.69	-24.31	74	57.81	40.51	14.85	63.48	-	-	P	V
		14491	39.78	-14.22	54	47.9	40.51	14.85	63.48	-	-	A	V
		15481	50.08	-23.92	74	58.97	38.24	15.42	62.55	-	-	P	V
		15481	40.83	-13.17	54	49.72	38.24	15.42	62.55	-	-	A	V
		17355	63.34	-4.86	68.2	66.49	38.26	16.67	58.08	100	170	P	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.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5624.4	48.04	-20.16	68.2	41.43	33	10.41	36.8	301	307	P	H
		5692.4	49.93	-49.67	99.6	43.22	33.08	10.48	36.85	301	307	P	H
		5718.4	64.04	-46.31	110.35	57.19	33.21	10.51	36.87	301	307	P	H
		5722	64.22	-51.14	115.36	57.35	33.23	10.51	36.87	301	307	P	H
	*	5740	116.69	-	-	109.7	33.34	10.53	36.88	301	307	P	H
802.11ax													H
HE20													H
Partial													H
106/53		5647.4	48.41	-19.79	68.2	41.8	33	10.43	36.82	300	290	P	V
CH 149		5690.4	50.52	-47.6	98.12	43.81	33.08	10.48	36.85	300	290	P	V
5745MHz		5718.2	66.01	-44.29	110.3	59.16	33.21	10.51	36.87	300	290	P	V
		5724.8	69.34	-52.4	121.74	62.44	33.25	10.52	36.87	300	290	P	V
	*	5745	117.2	-	-	110.18	33.37	10.54	36.89	300	290	P	V
	*	5745	109	-	-	101.98	33.37	10.54	36.89	300	290	A	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 242 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5600.4	49.76	-18.44	68.2	43.16	33	10.38	36.78	200	239	P	H
		5695.6	64.75	-37.21	101.96	58.02	33.09	10.49	36.85	200	239	P	H
		5719.2	81.51	-29.07	110.58	74.65	33.22	10.51	36.87	200	239	P	H
		5724.8	87.25	-34.49	121.74	80.35	33.25	10.52	36.87	200	239	P	H
	*	5745	116.22	-	-	109.2	33.37	10.54	36.89	200	239	P	H
802.11ax	*	5745	106.7	-	-	99.68	33.37	10.54	36.89	200	239	A	H
HE20													H
Partial													H
242/61		5611.4	48.95	-19.25	68.2	42.35	33	10.39	36.79	301	270	P	V
CH 149		5695.8	64.06	-38.04	102.1	57.33	33.09	10.49	36.85	301	270	P	V
5745MHz		5720	80.99	-29.81	110.8	74.13	33.22	10.51	36.87	301	270	P	V
		5725	86.22	-35.98	122.2	79.32	33.25	10.52	36.87	301	270	P	V
	*	5745	116.57	-	-	109.55	33.37	10.54	36.89	301	270	P	V
	*	5745	107.63	-	-	100.61	33.37	10.54	36.89	301	270	A	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 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5646.2	55.84	-12.36	68.2	49.23	33	10.43	36.82	100	327	P	H
		5699	71.67	-32.79	104.46	64.93	33.1	10.49	36.85	100	327	P	H
		5719.4	89.53	-21.1	110.63	82.67	33.22	10.51	36.87	100	327	P	H
		5720	88.05	-22.75	110.8	81.19	33.22	10.51	36.87	100	327	P	H
	*	5755	116.99	-	-	109.9	33.43	10.55	36.89	100	327	P	H
	*	5755	107.56	-	-	100.47	33.43	10.55	36.89	100	327	A	H
		5850.37	61.81	-59.55	121.36	54.23	33.9	10.64	36.96	100	327	P	H
		5860.62	59.54	-49.68	109.22	51.95	33.92	10.64	36.97	100	327	P	H
		5878.455	55.02	-47.61	102.63	47.39	33.96	10.65	36.98	100	327	P	H
		5939.545	50.33	-17.87	68.2	42.66	34	10.7	37.03	100	327	P	H
802.11ax													H
HE40 Full													H
CH 151		5645.4	57.45	-10.75	68.2	50.83	33	10.43	36.81	295	253	P	V
5755MHz		5695.4	70.68	-31.13	101.81	63.96	33.09	10.48	36.85	295	253	P	V
		5716.4	86.68	-23.11	109.79	79.84	33.2	10.51	36.87	295	253	P	V
		5725	88.29	-33.91	122.2	81.39	33.25	10.52	36.87	295	253	P	V
	*	5755	115.36	-	-	108.27	33.43	10.55	36.89	295	253	P	V
	*	5755	105.52	-	-	98.43	33.43	10.55	36.89	295	253	A	V
		5849.96	58.68	-75.52	134.2	51.11	33.9	10.63	36.96	295	253	P	V
		5857.135	58.88	-51.32	110.2	51.3	33.91	10.64	36.97	295	253	P	V
		5876.405	54.46	-49.7	104.16	46.84	33.95	10.65	36.98	295	253	P	V
		5924.99	50.37	-17.84	68.21	42.7	34	10.69	37.02	295	253	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. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	49.45	-24.55	74	57.95	38.62	13.74	60.86	311	195	P	H
		11590	39.2	-14.8	54	47.7	38.62	13.74	60.86	311	195	A	H
		12203	51.14	-22.86	74	59.62	38.9	14.1	61.48	-	-	P	H
		12203	41.3	-12.7	54	49.78	38.9	14.1	61.48	-	-	A	H
		14480	49.76	-24.24	74	57.87	40.52	14.84	63.47	-	-	P	H
		14480	40.8	-13.2	54	48.91	40.52	14.84	63.47	-	-	A	H
		15558	49.5	-24.5	74	58.2	38.08	15.45	62.23	-	-	P	H
		15558	40.45	-13.55	54	49.15	38.08	15.45	62.23	-	-	A	H
		17385	56.45	-11.75	68.2	59.46	38.35	16.67	58.03	-	-	P	H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	50.61	-23.39	74	59.11	38.62	13.74	60.86	100	79	P	V
5795MHz		11590	42.24	-11.76	54	50.74	38.62	13.74	60.86	100	79	A	V
		11884	50.68	-23.32	74	59.37	38.57	13.94	61.2	-	-	P	V
		11884	40.45	-13.55	54	49.14	38.57	13.94	61.2	-	-	A	V
		14480	50.23	-23.77	74	58.34	40.52	14.84	63.47	-	-	P	V
		14480	41.6	-12.4	54	49.71	40.52	14.84	63.47	-	-	A	V
		15536	49.55	-24.45	74	58.33	38.13	15.44	62.35	-	-	P	V
		15536	40.94	-13.06	54	49.72	38.13	15.44	62.35	-	-	A	V
		17385	58.49	-9.71	68.2	61.5	38.35	16.67	58.03	-	-	P	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.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 242 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5631.2	56.52	-11.68	68.2	49.91	33	10.41	36.8	200	243	P	H
		5686.6	68.12	-27.2	95.32	61.41	33.07	10.48	36.84	200	243	P	H
		5720	80.11	-30.69	110.8	73.25	33.22	10.51	36.87	200	243	P	H
		5721.4	87.3	-26.69	113.99	80.43	33.23	10.51	36.87	200	243	P	H
	*	5755	116.15	-	-	109.06	33.43	10.55	36.89	200	243	P	H
	*	5755	106.79	-	-	99.7	33.43	10.55	36.89	200	243	A	H
		5855.085	54.16	-56.62	110.78	46.58	33.91	10.64	36.97	200	243	P	H
		5856.52	57.51	-52.86	110.37	49.93	33.91	10.64	36.97	200	243	P	H
		5891.165	53.18	-40.02	93.2	45.53	33.98	10.66	36.99	200	243	P	H
802.11ax		5929.09	50.87	-17.33	68.2	43.2	34	10.69	37.02	200	243	P	H
HE40													H
Partial													H
242/61		5641.8	54.41	-13.79	68.2	47.79	33	10.43	36.81	301	83	P	V
CH 151		5699	64.55	-39.91	104.46	57.81	33.1	10.49	36.85	301	83	P	V
5755MHz		5716.6	86.12	-23.73	109.85	79.28	33.2	10.51	36.87	301	83	P	V
		5722.8	84.46	-32.72	117.18	77.57	33.24	10.52	36.87	301	83	P	V
	*	5755	114.48	-	-	107.39	33.43	10.55	36.89	301	83	P	V
	*	5755	104.44	-	-	97.35	33.43	10.55	36.89	301	83	A	V
		5850.575	56.45	-64.44	120.89	48.87	33.9	10.64	36.96	301	83	P	V
		5874.15	55.81	-49.63	105.44	48.19	33.95	10.65	36.98	301	83	P	V
		5874.97	54.16	-51.05	105.21	46.54	33.95	10.65	36.98	301	83	P	V
		5928.68	50.63	-17.57	68.2	42.96	34	10.69	37.02	301	83	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 484 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5647	64.47	-3.73	68.2	57.86	33	10.43	36.82	283	313	P	H
		5696.8	81.86	-20.98	102.84	75.13	33.09	10.49	36.85	283	313	P	H
		5716.6	93.08	-16.77	109.85	86.24	33.2	10.51	36.87	283	313	P	H
		5721.4	94.67	-19.32	113.99	87.8	33.23	10.51	36.87	283	313	P	H
	*	5755	116.24	-	-	109.15	33.43	10.55	36.89	283	313	P	H
	*	5755	107.13	-	-	100.04	33.43	10.55	36.89	283	313	A	H
		5852.83	66.18	-49.57	115.75	58.59	33.91	10.64	36.96	283	313	P	H
		5860.415	65.95	-43.33	109.28	58.36	33.92	10.64	36.97	283	313	P	H
		5879.89	62.65	-38.92	101.57	55.01	33.96	10.66	36.98	283	313	P	H
802.11ax		5937.29	55.86	-12.34	68.2	48.18	34	10.7	37.02	283	313	P	H
HE40													H
Partial													H
484/65		5647	63.63	-4.57	68.2	57.02	33	10.43	36.82	306	276	P	V
CH 151		5695.2	79.85	-21.81	101.66	73.13	33.09	10.48	36.85	306	276	P	V
5755MHz		5717.2	92.61	-17.41	110.02	85.77	33.2	10.51	36.87	306	276	P	V
		5721.4	94.46	-19.53	113.99	87.59	33.23	10.51	36.87	306	276	P	V
	*	5755	117.01	-	-	109.92	33.43	10.55	36.89	306	276	P	V
	*	5755	107.14	-	-	100.05	33.43	10.55	36.89	306	276	A	V
		5849.96	65.79	-68.41	134.2	58.22	33.9	10.63	36.96	306	276	P	V
		5859.595	65.55	-43.96	109.51	57.96	33.92	10.64	36.97	306	276	P	V
		5879.685	63.15	-38.57	101.72	55.51	33.96	10.66	36.98	306	276	P	V
		5936.88	55.74	-12.46	68.2	48.06	34	10.7	37.02	306	276	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 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5645.2	63.52	-4.68	68.2	56.9	33	10.43	36.81	100	327	P	H
		5698	82.42	-21.31	103.73	75.68	33.1	10.49	36.85	100	327	P	H
		5720	86.78	-24.02	110.8	79.92	33.22	10.51	36.87	100	327	P	H
		5720	86.78	-24.02	110.8	79.92	33.22	10.51	36.87	100	327	P	H
	*	5775	115.72	-	-	108.51	33.55	10.57	36.91	100	327	P	H
	*	5775	104.68	-	-	97.47	33.55	10.57	36.91	100	327	A	H
		5849.96	84.07	-50.13	134.2	76.5	33.9	10.63	36.96	100	327	P	H
		5858.98	83.77	-25.91	109.68	76.18	33.92	10.64	36.97	100	327	P	H
		5878.865	75.45	-26.88	102.33	67.81	33.96	10.66	36.98	100	327	P	H
		5931.14	60.05	-8.15	68.2	52.38	34	10.69	37.02	100	327	P	H
802.11ax													H
HE80 Full													H
CH 155		5648.8	66.23	-1.97	68.2	59.62	33	10.43	36.82	326	249	P	V
5775MHz		5695.4	84.38	-17.43	101.81	77.66	33.09	10.48	36.85	326	249	P	V
		5715.8	85.5	-24.13	109.63	78.67	33.19	10.51	36.87	326	249	P	V
		5725	86.5	-35.7	122.2	79.6	33.25	10.52	36.87	326	249	P	V
	*	5775	113.28	-	-	106.07	33.55	10.57	36.91	326	249	P	V
	*	5775	102.97	-	-	95.76	33.55	10.57	36.91	326	249	A	V
		5852.625	82.79	-33.42	116.21	75.2	33.91	10.64	36.96	326	249	P	V
		5856.725	83.78	-26.54	110.32	76.2	33.91	10.64	36.97	326	249	P	V
		5875.38	77.07	-27.85	104.92	69.45	33.95	10.65	36.98	326	249	P	V
		5925.4	62.28	-5.92	68.2	54.61	34	10.69	37.02	326	249	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 484 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5650.095	64.53	-3.74	68.27	57.91	33	10.44	36.82	302	313	P	H
		5686.43	82.13	-13.06	95.19	75.42	33.07	10.48	36.84	302	313	P	H
		5718.25	86.91	-23.4	110.31	80.06	33.21	10.51	36.87	302	313	P	H
		5720.4	86.69	-25.02	111.71	79.83	33.22	10.51	36.87	302	313	P	H
	*	5775	115.01	-	-	107.8	33.55	10.57	36.91	302	313	P	H
	*	5775	105.87	-	-	98.66	33.55	10.57	36.91	302	313	A	H
		5852.82	80.37	-35.4	115.77	72.78	33.91	10.64	36.96	302	313	P	H
		5857.335	80.59	-29.56	110.15	73.01	33.91	10.64	36.97	302	313	P	H
		5877.76	69.25	-33.9	103.15	61.62	33.96	10.65	36.98	302	313	P	H
802.11ax		5928.07	61.69	-6.51	68.2	54.02	34	10.69	37.02	302	313	P	H
HE80													H
Partial													H
484/65		5650.095	64.15	-4.12	68.27	57.53	33	10.44	36.82	276	274	P	V
CH 155		5690.515	80.32	-17.89	98.21	73.61	33.08	10.48	36.85	276	274	P	V
5775MHz		5719.11	85.24	-25.31	110.55	78.39	33.21	10.51	36.87	276	274	P	V
		5721.475	85.26	-28.9	114.16	78.39	33.23	10.51	36.87	276	274	P	V
	*	5775	114.61	-	-	107.4	33.55	10.57	36.91	276	274	P	V
	*	5775	105.12	-	-	97.91	33.55	10.57	36.91	276	274	A	V
		5852.82	78.9	-36.87	115.77	71.31	33.91	10.64	36.96	276	274	P	V
		5861.42	81.72	-27.28	109	74.13	33.92	10.64	36.97	276	274	P	V
		5877.33	71.02	-32.45	103.47	63.4	33.95	10.65	36.98	276	274	P	V
		5927.855	62.13	-6.07	68.2	54.46	34	10.69	37.02	276	274	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 996 (Band Edge @ 3m)

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5645.795	65.98	-2.22	68.2	59.36	33	10.43	36.81	301	312	P	H
		5697.61	82.31	-21.13	103.44	75.57	33.1	10.49	36.85	301	312	P	H
		5719.11	86.22	-24.33	110.55	79.37	33.21	10.51	36.87	301	312	P	H
		5721.26	85.1	-28.57	113.67	78.23	33.23	10.51	36.87	301	312	P	H
	*	5775	111.81	-	-	104.6	33.55	10.57	36.91	301	312	P	H
	*	5775	102.39	-	-	95.18	33.55	10.57	36.91	301	312	A	H
		5850.885	84.68	-35.5	120.18	77.1	33.9	10.64	36.96	301	312	P	H
		5859.7	82	-27.48	109.48	74.41	33.92	10.64	36.97	301	312	P	H
		5880.125	77.04	-24.35	101.39	69.4	33.96	10.66	36.98	301	312	P	H
802.11ax		5932.585	63.76	-4.44	68.2	56.09	34	10.69	37.02	301	312	P	H
HE80													H
Partial													H
996/67		5645.795	65.88	-2.32	68.2	59.26	33	10.43	36.81	274	274	P	V
CH 155		5697.61	80.84	-22.6	103.44	74.1	33.1	10.49	36.85	274	274	P	V
5775MHz		5717.82	84.7	-25.49	110.19	77.85	33.21	10.51	36.87	274	274	P	V
		5721.26	84.66	-29.01	113.67	77.79	33.23	10.51	36.87	274	274	P	V
	*	5775	111.33	-	-	104.12	33.55	10.57	36.91	274	274	P	V
	*	5775	101.46	-	-	94.25	33.55	10.57	36.91	274	274	A	V
		5850.025	83.54	-38.6	122.14	75.96	33.9	10.64	36.96	274	274	P	V
		5857.765	82.44	-27.58	110.02	74.85	33.92	10.64	36.97	274	274	P	V
		5880.34	76.91	-24.32	101.23	69.27	33.96	10.66	36.98	274	274	P	V
		5938.605	64.22	-3.98	68.2	56.55	34	10.7	37.03	274	274	P	V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE80 Partial 996 (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		23912	41.68	-32.32	74	58.9	38.8	-2.18	53.84	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80													H
Partial 996		39790	46.63	-27.37	74	58.37	44.5	-0.23	56.01	-	-	P	V
SHF													V
													V
													V
													V
													V
													V
													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.

Emission below 1GHz

WIFI 802.11ax HE80 Partial 996 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		68.8	28.31	-11.69	40	47.57	12.19	0.99	32.51	-	-	P	H
		99.84	36.82	-6.68	43.5	52.28	15.78	1.2	32.47	-	-	P	H
		158.04	35.77	-7.73	43.5	49.95	16.58	1.51	32.45	-	-	P	H
		240.49	27.46	-18.54	46	40.82	17.06	1.87	32.46	-	-	P	H
		729.37	34.5	-11.5	46	36.17	27.29	3.25	32.33	-	-	P	H
		946.65	33.11	-12.89	46	29.99	30.42	3.71	31.24	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80													H
Partial 996		31.94	33.41	-6.59	40	41.68	23.52	0.69	32.49	100	316	QP	V
LF		59.1	34.29	-5.71	40	54.12	11.73	0.92	32.55	200	151	QP	V
		97.9	30.14	-13.36	43.5	45.8	15.59	1.19	32.47	-	-	P	V
		158.04	31.1	-12.4	43.5	45.28	16.58	1.51	32.45	-	-	P	V
		243.4	21.95	-24.05	46	34.88	17.47	1.88	32.46	-	-	P	V
		746.83	34.03	-11.97	46	35.1	27.83	3.27	32.29	-	-	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 and emission level has at least 6dB margin against limit or emission is noise floor only.

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5633.8	48.59	-19.61	68.2	41.98	33	10.42	36.81	100	61	P	H
		5700	57.59	-47.61	105.2	50.85	33.1	10.49	36.85	100	61	P	H
		5716.2	71.15	-38.59	109.74	64.31	33.2	10.51	36.87	100	61	P	H
		5724.2	81.85	-38.53	120.38	74.95	33.25	10.52	36.87	100	61	P	H
	*	5745	114.08	-	-	107.06	33.37	10.54	36.89	100	61	P	H
	*	5745	106.55	-	-	99.53	33.37	10.54	36.89	100	61	A	H
													H
802.11a													H
CH 149		5612.2	47.6	-20.6	68.2	41	33	10.39	36.79	300	95	P	V
5745MHz		5696.8	51.91	-50.93	102.84	45.18	33.09	10.49	36.85	300	95	P	V
		5717.6	66.63	-43.5	110.13	59.78	33.21	10.51	36.87	300	95	P	V
		5724.2	81.27	-39.11	120.38	74.37	33.25	10.52	36.87	300	95	P	V
	*	5745	110.47	-	-	103.44	33.38	10.54	36.89	300	95	P	V
	*	5745	103.13	-	-	96.1	33.38	10.54	36.89	300	95	A	V
													V
													V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5626.6	49.47	-18.73	68.2	42.86	33	10.41	36.8	100	54	P	H
		5696.6	52.01	-50.68	102.69	45.28	33.09	10.49	36.85	100	54	P	H
		5713	56.81	-52.03	108.84	49.99	33.18	10.5	36.86	100	54	P	H
		5720.2	56.05	-55.21	111.26	49.19	33.22	10.51	36.87	100	54	P	H
	*	5785	112.57	-	-	105.3	33.61	10.58	36.92	100	54	P	H
	*	5785	104.97	-	-	97.7	33.61	10.58	36.92	100	54	A	H
		5854.06	50.95	-61.99	112.94	43.36	33.91	10.64	36.96	100	54	P	H
		5873.33	51.07	-54.6	105.67	43.45	33.95	10.65	36.98	100	54	P	H
		5878.045	49.62	-53.32	102.94	41.99	33.96	10.65	36.98	100	54	P	H
		5939.135	48.57	-19.63	68.2	40.9	34	10.7	37.03	100	54	P	H
													H
802.11a CH 157 5785MHz													H
		5625.6	48.41	-19.79	68.2	41.8	33	10.41	36.8	296	85	P	V
		5656.6	48.95	-24.15	73.1	42.32	33.01	10.44	36.82	296	85	P	V
		5707	48.98	-58.18	107.16	42.2	33.14	10.5	36.86	296	85	P	V
		5724	49.71	-70.21	119.92	42.82	33.24	10.52	36.87	296	85	P	V
	*	5785	112.22	-	-	104.95	33.61	10.58	36.92	296	85	P	V
	*	5785	104.78	-	-	97.51	33.61	10.58	36.92	296	85	A	V
		5854.265	50.27	-62.2	112.47	42.69	33.91	10.64	36.97	296	85	P	V
		5872.715	51.31	-54.53	105.84	43.69	33.95	10.65	36.98	296	85	P	V
		5911.87	51.3	-26.59	77.89	43.63	34	10.68	37.01	296	85	P	V
		5925.195	49.3	-18.9	68.2	41.63	34	10.69	37.02	296	85	P	V
													V
													V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	113.26	-	-	105.78	33.8	10.62	36.94	100	116	P	H
	*	5825	105.71	-	-	98.23	33.8	10.62	36.94	100	116	A	H
		5852.4	66.92	-49.81	116.73	59.34	33.9	10.64	36.96	100	116	P	H
		5857.8	66.31	-43.7	110.01	58.72	33.92	10.64	36.97	100	116	P	H
		5878	54.98	-47.99	102.97	47.35	33.96	10.65	36.98	100	116	P	H
		5930	48.78	-19.42	68.2	41.11	34	10.69	37.02	100	116	P	H
													H
802.11a													H
CH 165	*	5825	113.21	-	-	105.73	33.8	10.62	36.94	260	90	P	V
5825MHz	*	5825	105.65	-	-	98.17	33.8	10.62	36.94	260	90	A	V
		5851.4	67.13	-51.88	119.01	59.55	33.9	10.64	36.96	260	90	P	V
		5855	65.39	-45.41	110.8	57.81	33.91	10.64	36.97	260	90	P	V
		5882.4	52.16	-47.54	99.7	44.53	33.96	10.66	36.99	260	90	P	V
		5943.2	49.57	-18.63	68.2	41.9	34	10.7	37.03	260	90	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. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	52.79	-21.21	74	61.04	38.83	13.68	60.76	100	350	P	H
		11490	42.4	-11.6	54	50.65	38.83	13.68	60.76	100	350	A	H
		12346	50.41	-23.59	74	59.09	38.75	14.15	61.58	-	-	P	H
		12346	40.51	-13.49	54	49.19	38.75	14.15	61.58	-	-	A	H
		14480	49.45	-24.55	74	57.56	40.52	14.84	63.47	-	-	P	H
		14480	40.04	-13.96	54	48.15	40.52	14.84	63.47	-	-	A	H
		15404	50.22	-23.78	74	59.02	38.39	15.38	62.57	-	-	P	H
		15404	41.67	-12.33	54	50.47	38.39	15.38	62.57	-	-	A	H
		17235	61.45	-6.75	68.2	65.13	37.97	16.64	58.29	-	-	P	H
													H
													H
802.11a CH 149 5745MHz													H
		11490	55.22	-18.78	74	63.47	38.83	13.68	60.76	200	0	P	V
		11490	45.23	-8.77	54	53.48	38.83	13.68	60.76	200	0	A	V
		12170	50.85	-23.15	74	59.32	38.9	14.09	61.46	-	-	P	V
		12170	41.4	-12.6	54	49.87	38.9	14.09	61.46	-	-	A	V
		14480	50.57	-23.43	74	58.68	40.52	14.84	63.47	-	-	P	V
		14480	41.31	-12.69	54	49.42	40.52	14.84	63.47	-	-	A	V
		15404	50.35	-23.65	74	59.15	38.39	15.38	62.57	-	-	P	V
		15404	41.34	-12.66	54	50.14	38.39	15.38	62.57	-	-	A	V
		17235	62	-6.2	68.2	65.68	37.97	16.64	58.29	-	-	P	V
													V
													V
													V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11499	51.25	-22.75	74	59.52	38.8	13.68	60.75	-	-	P	H
		11499	42.14	-11.86	54	50.41	38.8	13.68	60.75	-	-	A	H
		11570	49.97	-24.03	74	58.41	38.66	13.73	60.83	100	241	P	H
		11570	39.82	-14.18	54	48.26	38.66	13.73	60.83	100	241	A	H
		14491	50.59	-23.41	74	58.71	40.51	14.85	63.48	-	-	P	H
		14491	41.77	-12.23	54	49.89	40.51	14.85	63.48	-	-	A	H
		15459	51.02	-22.98	74	59.88	38.28	15.41	62.55	-	-	P	H
		15459	41.87	-12.13	54	50.73	38.28	15.41	62.55	-	-	A	H
		17355	61.64	-6.56	68.2	64.79	38.26	16.67	58.08	-	-	P	H
													H
													H
802.11a													H
CH 157		11565	52.03	-21.97	74	60.47	38.67	13.72	60.83	-	-	P	V
5785MHz		11565	42.28	-11.72	54	50.72	38.67	13.72	60.83	-	-	A	V
		11570	51.21	-22.79	74	59.65	38.66	13.73	60.83	301	124	P	V
		11570	40.18	-13.82	54	48.62	38.66	13.73	60.83	301	124	A	V
		14491	50.53	-23.47	74	58.65	40.51	14.85	63.48	-	-	P	V
		14491	41.58	-12.42	54	49.7	40.51	14.85	63.48	-	-	A	V
		15591	50.88	-23.12	74	59.46	38.02	15.46	62.06	-	-	P	V
		15591	41.89	-12.11	54	50.47	38.02	15.46	62.06	-	-	A	V
		17355	63.98	-4.22	68.2	67.13	38.26	16.67	58.08	330	347	P	V
													V
													V
													V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		11488	51.82	-22.18	74	60.06	38.84	13.68	60.76	-	-	P	H
		11488	41.93	-12.07	54	50.17	38.84	13.68	60.76	-	-	A	H
		11650	51.68	-22.32	74	60.28	38.55	13.78	60.93	100	348	P	H
		11650	42.04	-11.96	54	50.64	38.55	13.78	60.93	100	348	A	H
		13380	51.75	-22.25	74	59.1	40.1	14.42	61.87	-	-	P	H
		13380	43.39	-10.61	54	50.74	40.1	14.42	61.87	-	-	A	H
		14480	50.63	-23.37	74	58.74	40.52	14.84	63.47	-	-	P	H
		14480	41.04	-12.96	54	49.15	40.52	14.84	63.47	-	-	A	H
		17475	60.02	-8.18	68.2	62.73	38.47	16.7	57.88	-	-	P	H
													H
													H
													H
		11650	55.7	-18.3	74	64.3	38.55	13.78	60.93	200	355	P	V
		11650	44.42	-9.58	54	53.02	38.55	13.78	60.93	200	355	A	V
		13380	51.26	-22.74	74	58.61	40.1	14.42	61.87	-	-	P	V
		13380	41.06	-12.94	54	48.41	40.1	14.42	61.87	-	-	A	V
		14491	50.06	-23.94	74	58.18	40.51	14.85	63.48	-	-	P	V
		14491	41.19	-12.81	54	49.31	40.51	14.85	63.48	-	-	A	V
		16064	50.57	-23.43	74	56.87	37.83	15.63	59.76	-	-	P	V
		16064	41.12	-12.88	54	47.42	37.83	15.63	59.76	-	-	A	V
		17475	61.2	-7	68.2	63.91	38.47	16.7	57.88	-	-	P	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.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5637.4	49.81	-18.39	68.2	43.2	33	10.42	36.81	100	58	P	H
		5698.2	61.17	-42.7	103.87	54.43	33.1	10.49	36.85	100	58	P	H
		5719	79.6	-30.92	110.52	72.75	33.21	10.51	36.87	100	58	P	H
		5720.2	88.52	-22.74	111.26	81.66	33.22	10.51	36.87	100	58	P	H
	*	5745	115.56	-	-	108.54	33.37	10.54	36.89	100	58	P	H
	*	5745	105.86	-	-	98.84	33.37	10.54	36.89	100	58	A	H
802.11ax													H
HE20 Full													H
CH 149		5607.4	47.81	-20.39	68.2	41.21	33	10.39	36.79	271	80	P	V
5745MHz		5697.8	55.65	-47.93	103.58	48.91	33.1	10.49	36.85	271	80	P	V
		5718.6	73.87	-36.54	110.41	67.02	33.21	10.51	36.87	271	80	P	V
		5725	81.11	-41.09	122.2	74.21	33.25	10.52	36.87	271	80	P	V
	*	5745	114.28	-	-	107.26	33.37	10.54	36.89	271	80	P	V
	*	5745	104.77	-	-	97.75	33.37	10.54	36.89	271	80	A	V
													V
													V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	115.89	-	-	108.41	33.8	10.62	36.94	100	117	P	H
	*	5825	105.91	-	-	98.43	33.8	10.62	36.94	100	117	A	H
		5850	73.34	-48.86	122.2	65.76	33.9	10.64	36.96	100	117	P	H
		5855.8	68.11	-42.47	110.58	60.53	33.91	10.64	36.97	100	117	P	H
		5875	55.78	-49.42	105.2	48.16	33.95	10.65	36.98	100	117	P	H
		5939.4	49.31	-18.89	68.2	41.64	34	10.7	37.03	100	117	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	116.14	-	-	108.66	33.8	10.62	36.94	262	77	P	V
5825MHz	*	5825	105.41	-	-	97.93	33.8	10.62	36.94	262	77	A	V
		5850	77.06	-45.14	122.2	69.48	33.9	10.64	36.96	262	77	P	V
		5856	68.43	-42.09	110.52	60.85	33.91	10.64	36.97	262	77	P	V
		5877.2	57.6	-45.97	103.57	49.98	33.95	10.65	36.98	262	77	P	V
		5931	49.39	-18.81	68.2	41.72	34	10.69	37.02	262	77	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. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		10762	50.87	-23.13	74	59.45	38.92	13.39	60.89	-	-	P	H
		10762	41.3	-12.7	54	49.88	38.92	13.39	60.89	-	-	A	H
		11570	51.23	-22.77	74	59.67	38.66	13.73	60.83	100	348	P	H
		11570	40.65	-13.35	54	49.09	38.66	13.73	60.83	100	348	A	H
		14491	49.98	-24.02	74	58.1	40.51	14.85	63.48	-	-	P	H
		14491	41.59	-12.41	54	49.71	40.51	14.85	63.48	-	-	A	H
		15591	49.12	-24.88	74	57.7	38.02	15.46	62.06	-	-	P	H
		15591	39.57	-14.43	54	48.15	38.02	15.46	62.06	-	-	A	H
		17355	60.33	-7.87	68.2	63.48	38.26	16.67	58.08	-	-	P	H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	52.58	-21.42	74	61.02	38.66	13.73	60.83	208	38	P	V
5785MHz		11570	41.9	-12.1	54	50.34	38.66	13.73	60.83	208	38	A	V
		13358	50.02	-23.98	74	57.47	39.99	14.42	61.86	-	-	P	V
		13358	39.73	-14.27	54	47.18	39.99	14.42	61.86	-	-	A	V
		14491	49.14	-24.86	74	57.26	40.51	14.85	63.48	-	-	P	V
		14491	40.59	-13.41	54	48.71	40.51	14.85	63.48	-	-	A	V
		15547	49.19	-24.81	74	57.92	38.11	15.45	62.29	-	-	P	V
		15547	39.41	-14.59	54	48.14	38.11	15.45	62.29	-	-	A	V
		17355	62.86	-5.34	68.2	66.01	38.26	16.67	58.08	269	346	P	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.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5644.8	48.95	-19.25	68.2	42.33	33	10.43	36.81	100	67	P	H
		5700	50.16	-55.04	105.2	43.42	33.1	10.49	36.85	100	67	P	H
		5718.4	64.49	-45.86	110.35	57.64	33.21	10.51	36.87	100	67	P	H
		5722.4	69.03	-47.24	116.27	62.16	33.23	10.51	36.87	100	67	P	H
	*	5745	117.68	-	-	110.66	33.37	10.54	36.89	100	67	P	H
802.11ax	*	5745	108.14	-	-	101.12	33.37	10.54	36.89	100	67	A	H
HE20													H
Partial													H
106/53		5645	48.53	-19.67	68.2	41.91	33	10.43	36.81	300	98	P	V
CH 149		5665.4	48.43	-31.2	79.63	41.78	33.03	10.45	36.83	300	98	P	V
5745MHz		5718.2	60.54	-49.76	110.3	53.69	33.21	10.51	36.87	300	98	P	V
		5723.2	68.73	-49.37	118.1	61.84	33.24	10.52	36.87	300	98	P	V
	*	5745	115.16	-	-	108.14	33.37	10.54	36.89	300	98	P	V
	*	5745	105.69	-	-	98.67	33.37	10.54	36.89	300	98	A	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 242 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5600	49.34	-18.86	68.2	42.74	33	10.38	36.78	100	67	P	H
		5698	64.12	-39.61	103.73	57.38	33.1	10.49	36.85	100	67	P	H
		5719	79.52	-31	110.52	72.67	33.21	10.51	36.87	100	67	P	H
		5723.8	87.71	-31.75	119.46	80.82	33.24	10.52	36.87	100	67	P	H
	*	5745	115.88	-	-	108.86	33.37	10.54	36.89	100	67	P	H
802.11ax	*	5745	106.04	-	-	99.02	33.37	10.54	36.89	100	67	A	H
HE20													H
Partial													H
242/61		5636.2	49.06	-19.14	68.2	42.45	33	10.42	36.81	300	98	P	V
CH 149		5693.2	61.53	-38.66	100.19	54.81	33.09	10.48	36.85	300	98	P	V
5745MHz		5715	76.05	-33.35	109.4	69.21	33.19	10.51	36.86	300	98	P	V
		5725	88.88	-33.32	122.2	81.98	33.25	10.52	36.87	300	98	P	V
	*	5745	114.51	-	-	107.49	33.37	10.54	36.89	300	98	P	V
	*	5745	104.77	-	-	97.75	33.37	10.54	36.89	300	98	A	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 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	58.55	-9.65	68.2	51.94	33	10.43	36.82	101	59	P	H
		5700	74.33	-30.87	105.2	67.59	33.1	10.49	36.85	101	59	P	H
		5719.8	89.13	-21.61	110.74	82.27	33.22	10.51	36.87	101	59	P	H
		5722	87.6	-27.76	115.36	80.73	33.23	10.51	36.87	101	59	P	H
	*	5755	113.76	-	-	106.67	33.43	10.55	36.89	101	59	P	H
	*	5755	104.15	-	-	97.06	33.43	10.55	36.89	101	59	A	H
		5849.96	59.59	-74.61	134.2	52.02	33.9	10.63	36.96	101	59	P	H
		5856.725	57.58	-52.74	110.32	50	33.91	10.64	36.97	101	59	P	H
		5878.66	53.1	-49.38	102.48	45.46	33.96	10.66	36.98	101	59	P	H
		5929.91	49.42	-18.78	68.2	41.75	34	10.69	37.02	101	59	P	H
802.11ax													H
HE40 Full													H
CH 151		5648.4	56.36	-11.84	68.2	49.75	33	10.43	36.82	290	93	P	V
5755MHz		5700	69.58	-35.62	105.2	62.84	33.1	10.49	36.85	290	93	P	V
		5717.6	87.49	-22.64	110.13	80.64	33.21	10.51	36.87	290	93	P	V
		5724.2	87.1	-33.28	120.38	80.2	33.25	10.52	36.87	290	93	P	V
	*	5755	113.32	-	-	106.23	33.43	10.55	36.89	290	93	P	V
	*	5755	102.91	-	-	95.82	33.43	10.55	36.89	290	93	A	V
		5850.37	59.88	-61.48	121.36	52.3	33.9	10.64	36.96	290	93	P	V
		5858.16	58.5	-51.41	109.91	50.91	33.92	10.64	36.97	290	93	P	V
		5877.84	53.23	-49.86	103.09	45.6	33.96	10.65	36.98	290	93	P	V
		5927.86	49.92	-18.28	68.2	42.25	34	10.69	37.02	290	93	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. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		11433	51.11	-22.89	74	59.24	39	13.66	60.79	-	-	P	H
		11433	42.62	-11.38	54	50.75	39	13.66	60.79	-	-	A	H
		11590	50.49	-23.51	74	58.99	38.62	13.74	60.86	100	348	P	H
		11590	40.31	-13.69	54	48.81	38.62	13.74	60.86	100	348	A	H
		14480	49.83	-24.17	74	57.94	40.52	14.84	63.47	-	-	P	H
		14480	40.04	-13.96	54	48.15	40.52	14.84	63.47	-	-	A	H
		15415	50.39	-23.61	74	59.21	38.37	15.38	62.57	-	-	P	H
		15415	42.07	-11.93	54	50.89	38.37	15.38	62.57	-	-	A	H
		17385	56.38	-11.82	68.2	59.39	38.35	16.67	58.03	-	-	P	H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	51.34	-22.66	74	59.84	38.62	13.74	60.86	200	22	P	V
5795MHz		11590	42.54	-11.46	54	51.04	38.62	13.74	60.86	200	22	A	V
		13369	50.85	-23.15	74	58.24	40.05	14.42	61.86	-	-	P	V
		13369	42.31	-11.69	54	49.7	40.05	14.42	61.86	-	-	A	V
		14491	50.21	-23.79	74	58.33	40.51	14.85	63.48	-	-	P	V
		14491	40.62	-13.38	54	48.74	40.51	14.85	63.48	-	-	A	V
		15580	50.59	-23.41	74	59.2	38.04	15.46	62.11	-	-	P	V
		15580	41.58	-12.42	54	50.19	38.04	15.46	62.11	-	-	A	V
		17385	57.75	-10.45	68.2	60.76	38.35	16.67	58.03	-	-	P	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.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 242 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	56.11	-12.09	68.2	49.49	33	10.43	36.81	100	70	P	H
		5696.8	70.15	-32.69	102.84	63.42	33.09	10.49	36.85	100	70	P	H
		5719.8	85.38	-25.36	110.74	78.52	33.22	10.51	36.87	100	70	P	H
		5725	89.35	-32.85	122.2	82.45	33.25	10.52	36.87	100	70	P	H
	*	5755	115.63	-	-	108.54	33.43	10.55	36.89	100	70	P	H
	*	5755	106.04	-	-	98.95	33.43	10.55	36.89	100	70	A	H
		5849.96	61.09	-73.11	134.2	53.52	33.9	10.63	36.96	100	70	P	H
		5856.11	56.84	-53.65	110.49	49.26	33.91	10.64	36.97	100	70	P	H
		5875.585	54.74	-50.03	104.77	47.12	33.95	10.65	36.98	100	70	P	H
802.11ax		5945.9	49.83	-18.37	68.2	42.16	34	10.7	37.03	100	70	P	H
HE40													H
Partial													H
242/61		5633.8	52.7	-15.5	68.2	46.09	33	10.42	36.81	300	91	P	V
CH 151		5699.6	70.79	-34.12	104.91	64.05	33.1	10.49	36.85	300	91	P	V
5755MHz		5716.6	83.11	-26.74	109.85	76.27	33.2	10.51	36.87	300	91	P	V
		5725	90.56	-31.64	122.2	83.66	33.25	10.52	36.87	300	91	P	V
	*	5755	114.22	-	-	107.13	33.43	10.55	36.89	300	91	P	V
	*	5755	105.38	-	-	98.29	33.43	10.55	36.89	300	91	A	V
		5854.06	56.03	-56.91	112.94	48.44	33.91	10.64	36.96	300	91	P	V
		5855.495	58.22	-52.44	110.66	50.64	33.91	10.64	36.97	300	91	P	V
		5875.175	51.13	-53.94	105.07	43.51	33.95	10.65	36.98	300	91	P	V
		5945.9	50.29	-17.91	68.2	42.62	34	10.7	37.03	300	91	P	V
													V
													V

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 484 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5646.4	60.02	-8.18	68.2	53.41	33	10.43	36.82	100	65	P	H
		5697	77.86	-25.13	102.99	71.13	33.09	10.49	36.85	100	65	P	H
		5718	89.03	-21.21	110.24	82.18	33.21	10.51	36.87	100	65	P	H
		5724	88.39	-31.53	119.92	81.5	33.24	10.52	36.87	100	65	P	H
	*	5755	113.42	-	-	106.33	33.43	10.55	36.89	100	65	P	H
	*	5755	104.11	-	-	97.02	33.43	10.55	36.89	100	65	A	H
		5849.96	63.54	-70.66	134.2	55.97	33.9	10.63	36.96	100	65	P	H
		5856.11	63.45	-47.04	110.49	55.87	33.91	10.64	36.97	100	65	P	H
		5879.48	58.5	-43.37	101.87	50.86	33.96	10.66	36.98	100	65	P	H
802.11ax		5935.65	51.68	-16.52	68.2	44.01	34	10.69	37.02	100	65	P	H
HE40													H
Partial													H
484/65		5643.8	63.32	-4.88	68.2	56.7	33	10.43	36.81	300	91	P	V
CH 151		5694.8	75.82	-25.55	101.37	69.1	33.09	10.48	36.85	300	91	P	V
5755MHz		5716.2	87.03	-22.71	109.74	80.19	33.2	10.51	36.87	300	91	P	V
		5724.6	90.62	-30.67	121.29	83.72	33.25	10.52	36.87	300	91	P	V
	*	5755	112.26	-	-	105.17	33.43	10.55	36.89	300	91	P	V
	*	5755	103.94	-	-	96.85	33.43	10.55	36.89	300	91	A	V
		5855.085	62.39	-48.39	110.78	54.81	33.91	10.64	36.97	300	91	P	V
		5855.29	62.67	-48.05	110.72	55.09	33.91	10.64	36.97	300	91	P	V
		5875.175	59.52	-45.55	105.07	51.9	33.95	10.65	36.98	300	91	P	V
		5939.135	50.28	-17.92	68.2	42.61	34	10.7	37.03	300	91	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 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	64.78	-3.42	68.2	58.17	33	10.43	36.82	216	112	P	H
		5696.2	79.03	-23.37	102.4	72.3	33.09	10.49	36.85	216	112	P	H
		5714.6	84.07	-25.22	109.29	77.23	33.19	10.51	36.86	216	112	P	H
		5725	84.68	-37.52	122.2	77.78	33.25	10.52	36.87	216	112	P	H
	*	5775	110.91	-	-	103.7	33.55	10.57	36.91	216	112	P	H
	*	5775	99.54	-	-	92.33	33.55	10.57	36.91	216	112	A	H
		5852.83	79.95	-35.8	115.75	72.36	33.91	10.64	36.96	216	112	P	H
		5855.085	79.69	-31.09	110.78	72.11	33.91	10.64	36.97	216	112	P	H
		5876.61	72.93	-31.07	104	65.31	33.95	10.65	36.98	216	112	P	H
		5929.295	57.42	-10.78	68.2	49.75	34	10.69	37.02	216	112	P	H
802.11ax													H
HE80 Full													H
CH 155		5642.6	61.4	-6.8	68.2	54.78	33	10.43	36.81	256	86	P	V
5775MHz		5696.6	78.54	-24.15	102.69	71.81	33.09	10.49	36.85	256	86	P	V
		5714.2	82.23	-26.95	109.18	75.39	33.19	10.51	36.86	256	86	P	V
		5723.8	83.75	-35.71	119.46	76.86	33.24	10.52	36.87	256	86	P	V
	*	5775	109.79	-	-	102.58	33.55	10.57	36.91	256	86	P	V
	*	5775	99.76	-	-	92.55	33.55	10.57	36.91	256	86	A	V
		5854.47	78.62	-33.39	112.01	71.04	33.91	10.64	36.97	256	86	P	V
		5855.29	79.69	-31.03	110.72	72.11	33.91	10.64	36.97	256	86	P	V
		5875.38	72.72	-32.2	104.92	65.1	33.95	10.65	36.98	256	86	P	V
		5932.165	59.47	-8.73	68.2	51.8	34	10.69	37.02	256	86	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 484 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	64.62	-3.58	68.2	58	33	10.44	36.82	100	71	P	H
		5686.2	79.89	-15.13	95.02	73.19	33.07	10.47	36.84	100	71	P	H
		5715.4	84.44	-25.07	109.51	77.61	33.19	10.51	36.87	100	71	P	H
		5725	85.42	-36.78	122.2	78.52	33.25	10.52	36.87	100	71	P	H
	*	5775	112.5	-	-	105.29	33.55	10.57	36.91	100	71	P	H
	*	5775	103.09	-	-	95.88	33.55	10.57	36.91	100	71	A	H
		5852.83	75.23	-40.52	115.75	67.64	33.91	10.64	36.96	100	71	P	H
		5861.235	76.01	-33.04	109.05	68.42	33.92	10.64	36.97	100	71	P	H
		5877.84	68.9	-34.19	103.09	61.27	33.96	10.65	36.98	100	71	P	H
802.11ax		5936.675	56.66	-11.54	68.2	48.98	34	10.7	37.02	100	71	P	H
HE80													H
Partial													H
484/65		5629.4	59.69	-8.51	68.2	53.08	33	10.41	36.8	300	92	P	V
CH 155		5696.6	76.33	-26.36	102.69	69.6	33.09	10.49	36.85	300	92	P	V
5775MHz		5714.2	82.27	-26.91	109.18	75.43	33.19	10.51	36.86	300	92	P	V
		5724.2	84.87	-35.51	120.38	77.97	33.25	10.52	36.87	300	92	P	V
	*	5775	111.9	-	-	104.69	33.55	10.57	36.91	300	92	P	V
	*	5775	101.78	-	-	94.57	33.55	10.57	36.91	300	92	A	V
		5853.035	72.57	-42.71	115.28	64.98	33.91	10.64	36.96	300	92	P	V
		5860.825	76.32	-32.85	109.17	68.73	33.92	10.64	36.97	300	92	P	V
		5876.61	66.31	-37.69	104	58.69	33.95	10.65	36.98	300	92	P	V
		5924.99	55.77	-12.44	68.21	48.1	34	10.69	37.02	300	92	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 996 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		5646.2	64.32	-3.88	68.2	57.71	33	10.43	36.82	100	70	P	H
		5650.2	65.28	-3.07	68.35	58.66	33	10.44	36.82	100	70	P	H
		5719	83.25	-27.27	110.52	76.4	33.21	10.51	36.87	100	70	P	H
		5725	84.83	-37.37	122.2	77.93	33.25	10.52	36.87	100	70	P	H
	*	5775	110.42	-	-	103.21	33.55	10.57	36.91	100	70	P	H
	*	5775	100.25	-	-	93.04	33.55	10.57	36.91	100	70	A	H
		5849.96	82.18	-52.02	134.2	74.61	33.9	10.63	36.96	100	70	P	H
		5857.545	82.66	-27.43	110.09	75.07	33.92	10.64	36.97	100	70	P	H
		5877.84	75.4	-27.69	103.09	67.77	33.96	10.65	36.98	100	70	P	H
802.11ax		5932.575	62.25	-5.95	68.2	54.58	34	10.69	37.02	100	70	P	H
HE80													H
Partial													H
996/67		5645	66.3	-1.9	68.2	59.68	33	10.43	36.81	300	97	P	V
CH 155		5651.8	66.68	-2.86	69.54	60.06	33	10.44	36.82	300	97	P	V
5775MHz		5713.6	84.27	-24.74	109.01	77.45	33.18	10.5	36.86	300	97	P	V
		5724	87.53	-32.39	119.92	80.64	33.24	10.52	36.87	300	97	P	V
	*	5775	109.29	-	-	102.08	33.55	10.57	36.91	300	97	P	V
	*	5775	99.52	-	-	92.31	33.55	10.57	36.91	300	97	A	V
		5854.88	82.9	-28.17	111.07	75.32	33.91	10.64	36.97	300	97	P	V
		5855.085	82.21	-28.57	110.78	74.63	33.91	10.64	36.97	300	97	P	V
		5875.585	76.17	-28.6	104.77	68.55	33.95	10.65	36.98	300	97	P	V
		5936.06	62.37	-5.83	68.2	54.69	34	10.7	37.02	300	97	P	V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE80 Partial 996 (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		24472	42.02	-31.98	74	58.53	39.08	-2.17	53.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80													H
Partial 996		39258	46.96	-27.04	74	59.44	44.51	-0.5	56.49	-	-	P	V
SHF													V
													V
													V
													V
													V
													V
													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.

Emission below 1GHz

WIFI 802.11ax HE80 Partial 996 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		68.8	28.68	-11.32	40	47.94	12.19	0.99	32.51	-	-	P	H
		99.84	36.81	-6.69	43.5	52.27	15.78	1.2	32.47	-	-	P	H
		159.01	35.86	-7.64	43.5	50.12	16.5	1.51	32.45	-	-	P	H
		242.43	26.97	-19.03	46	40.03	17.34	1.88	32.46	-	-	P	H
		746.83	32.36	-13.64	46	33.43	27.83	3.27	32.29	-	-	P	H
		944.71	32.69	-13.31	46	29.7	30.31	3.71	31.25	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80													H
Partial 996		34.85	31.71	-8.29	40	41.44	22.08	0.69	32.51	100	311	QP	V
LF		59.1	34.43	-5.57	40	54.26	11.73	0.92	32.55	200	154	QP	V
		98.87	30.31	-13.19	43.5	45.87	15.69	1.19	32.47	-	-	P	V
		157.07	31.03	-12.47	43.5	45.21	16.6	1.5	32.46	-	-	P	V
		242.43	21.5	-24.5	46	34.56	17.34	1.88	32.46	-	-	P	V
		711.91	34.31	-11.69	46	36.87	26.47	3.22	32.37	-	-	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 and emission level has at least 6dB margin against limit or emission 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.	
5+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	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) – 68.2(dBμV/m)

= -12.75 (dB)

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

Appendix D. Radiated Spurious Emission Plots

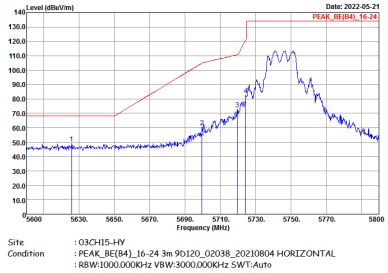
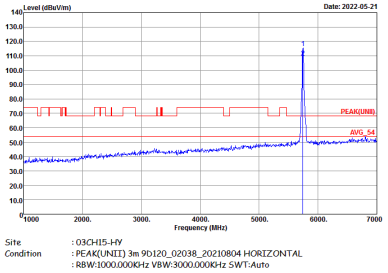
Test Engineer :	Bigshow Wang	**Temperature :**	22.1~23.1°C
		Relative Humidity :	55~60%

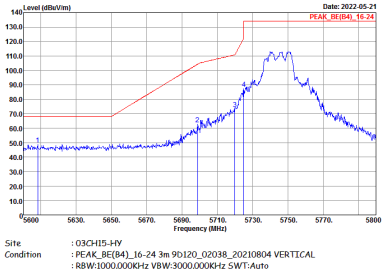
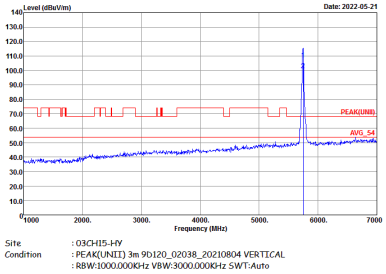
Note symbol

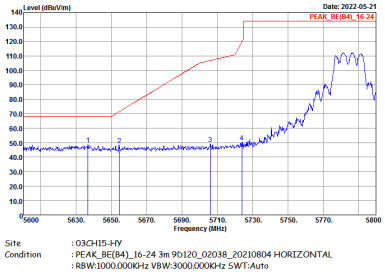
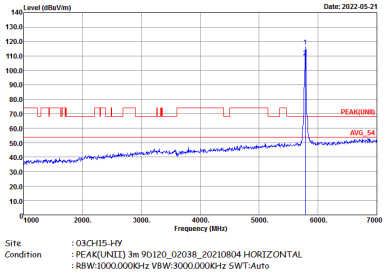
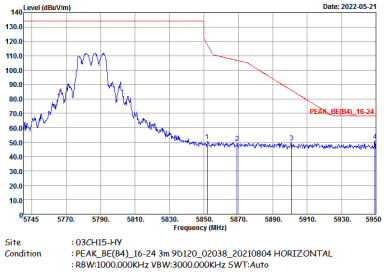
-L	**Low channel location**
-R	**High channel location**

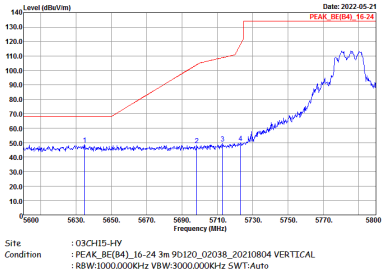
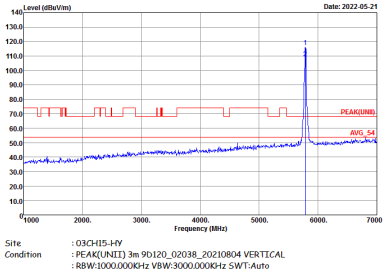
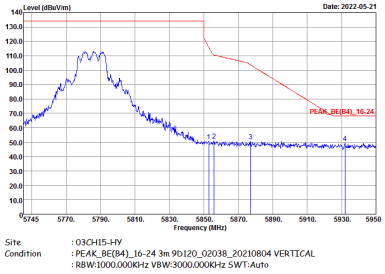
Band 4 - 5725~5850MHz

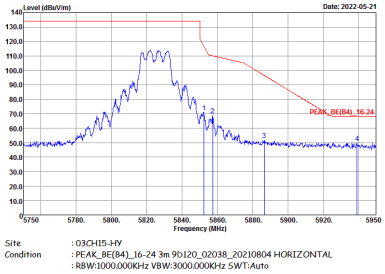
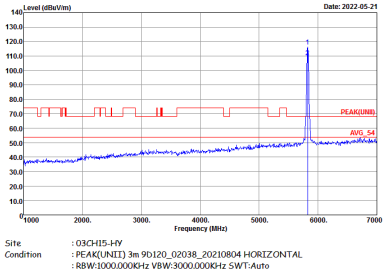
WIFI 802.11a (Band Edge @ 3m)

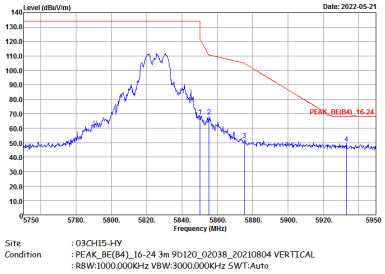
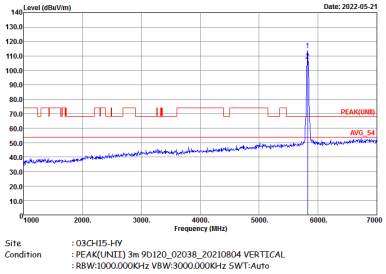
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

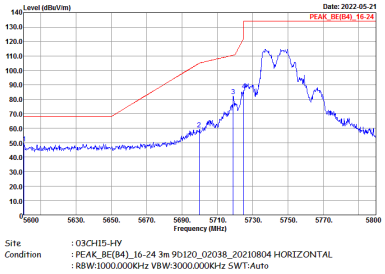
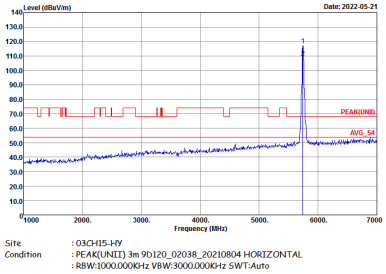
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

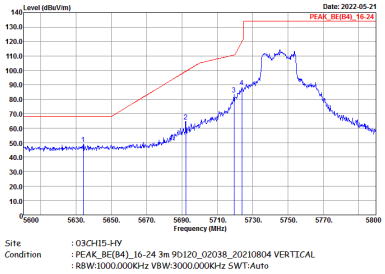
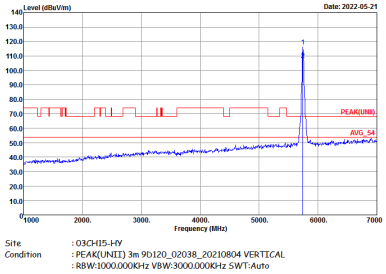
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Horizontal	Fundamental
Peak		

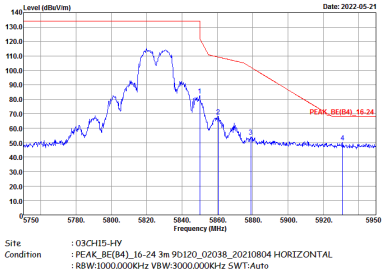
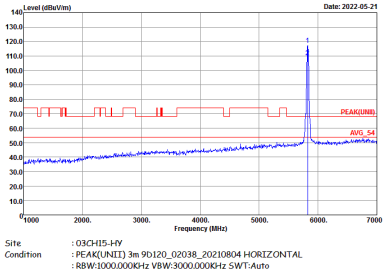
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Vertical	Fundamental
Peak		

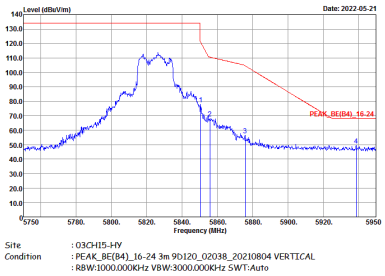
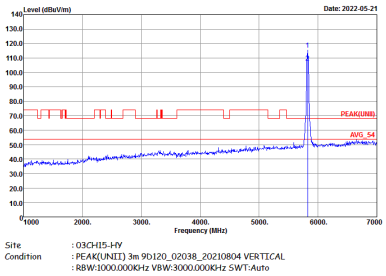
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
5+4	Horizontal	Fundamental
Peak		

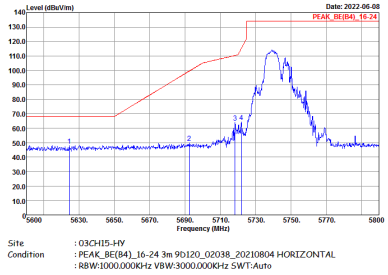
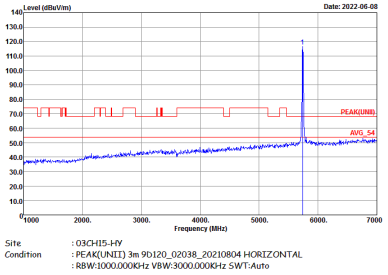
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
5+4	Vertical	Fundamental
Peak		

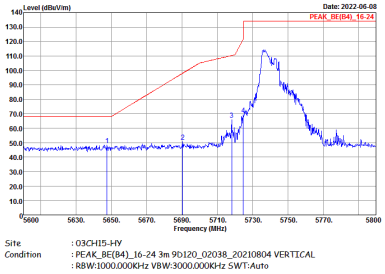
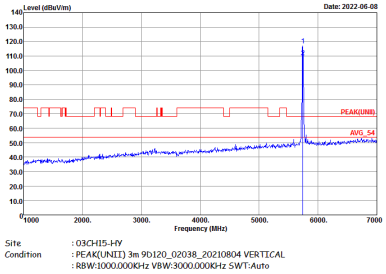
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
5+4	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
5+4	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

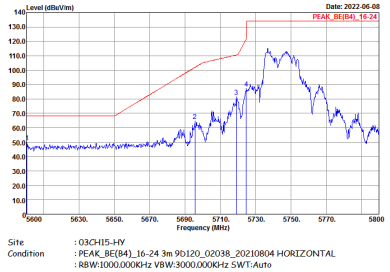
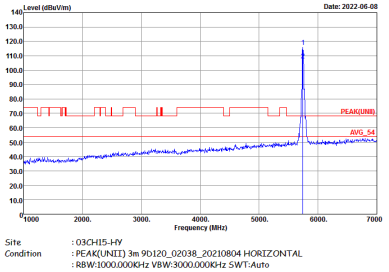
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

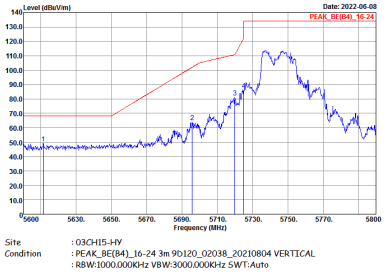
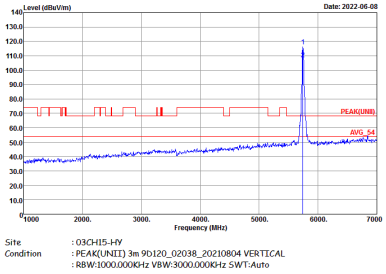
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
5+4	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
5+4	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

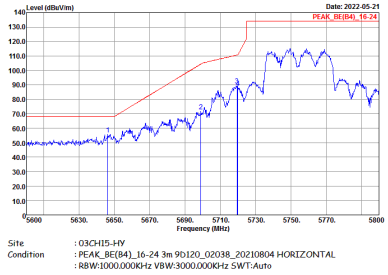
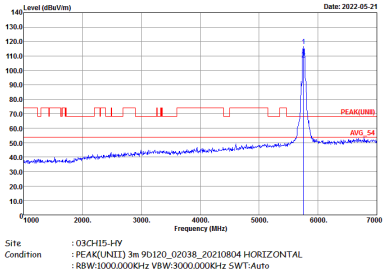
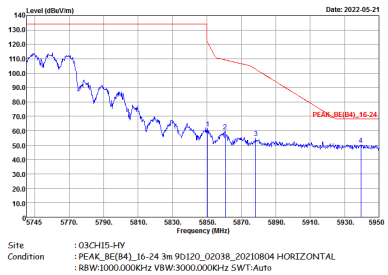
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

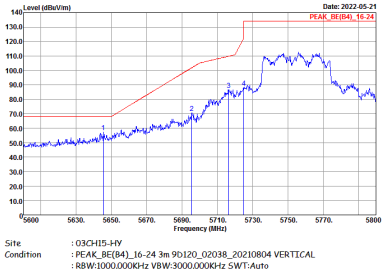
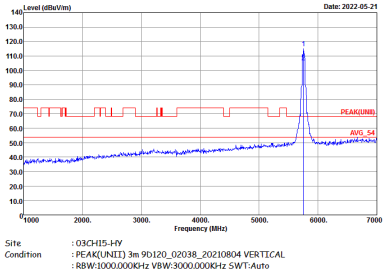
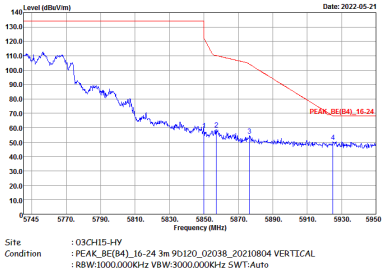
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
5+4	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
5+4	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

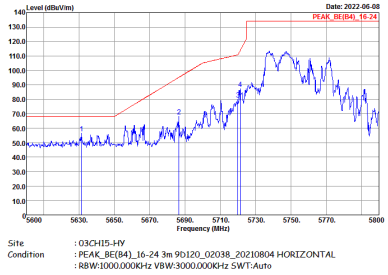
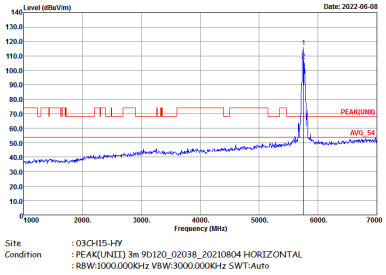
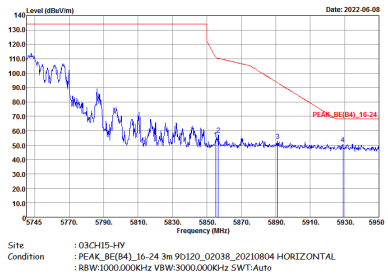
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

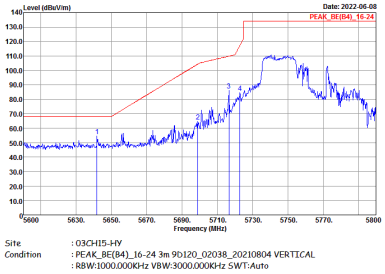
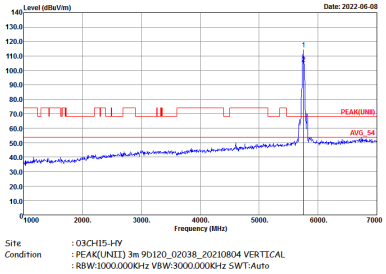
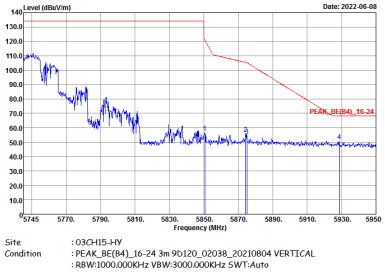
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

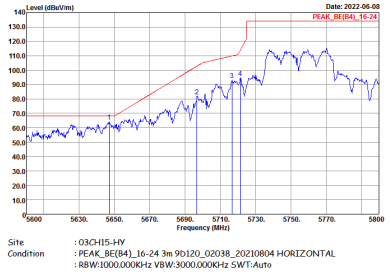
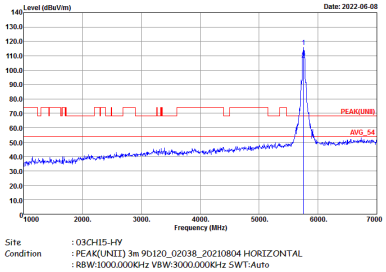
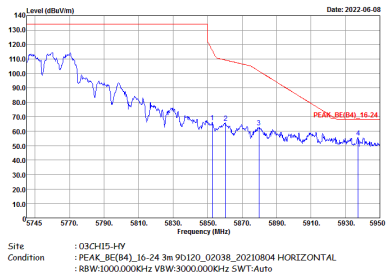
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

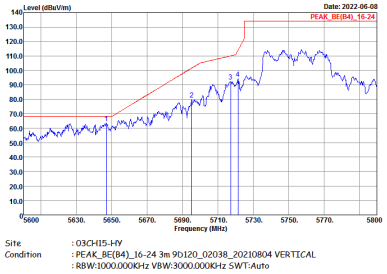
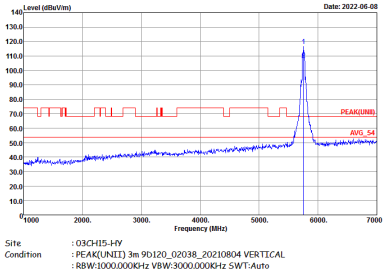
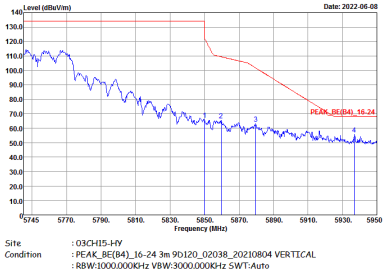
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

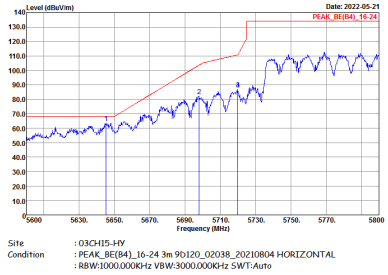
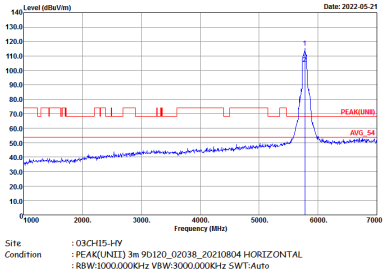
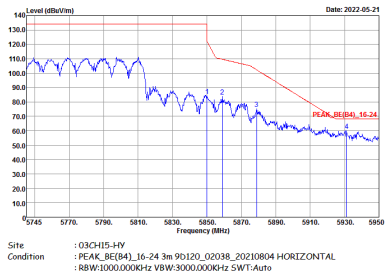
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

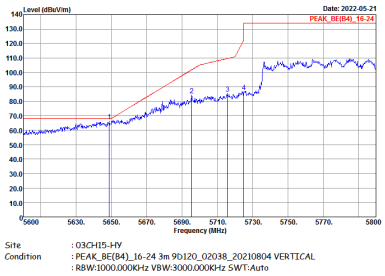
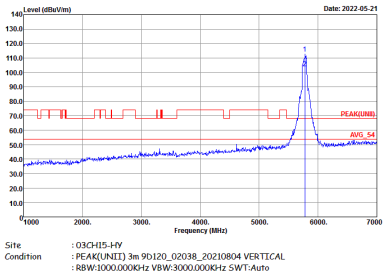
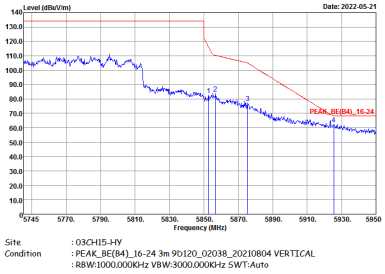
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

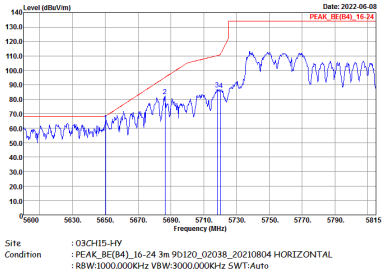
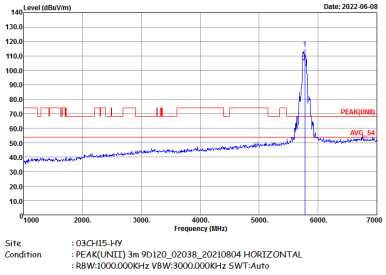
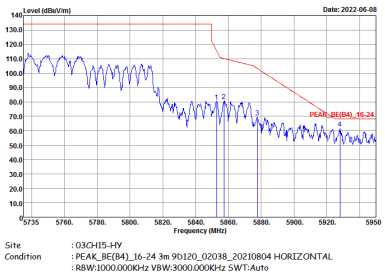
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

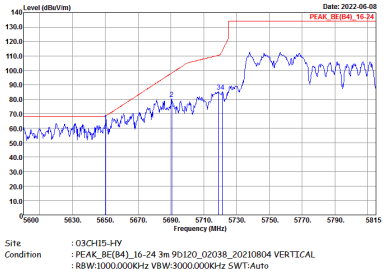
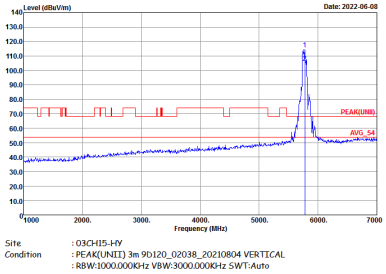
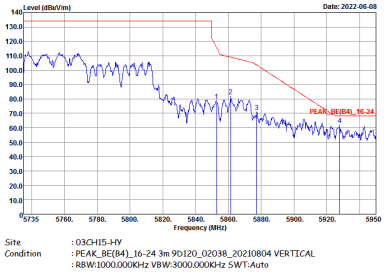
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

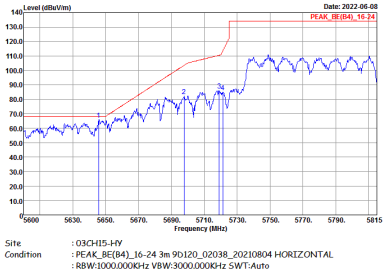
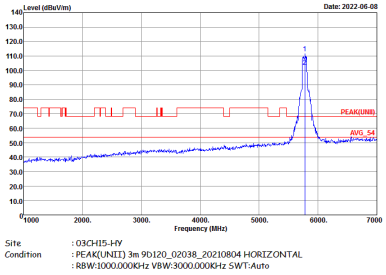
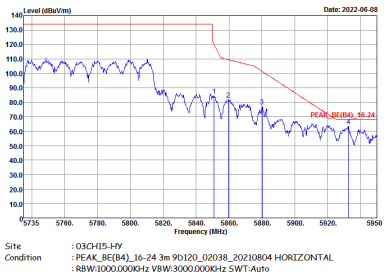
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

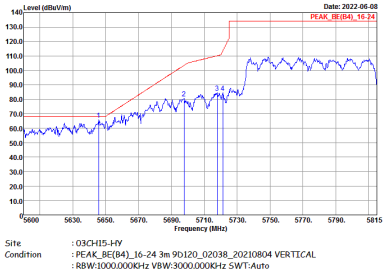
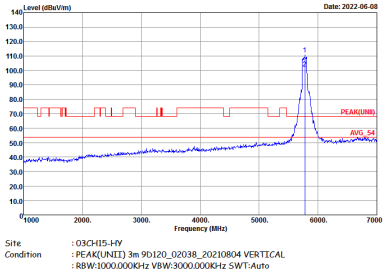
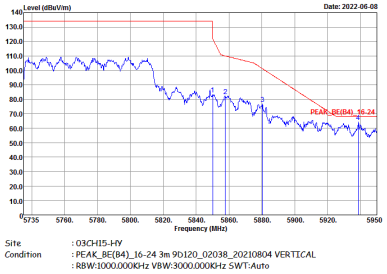
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

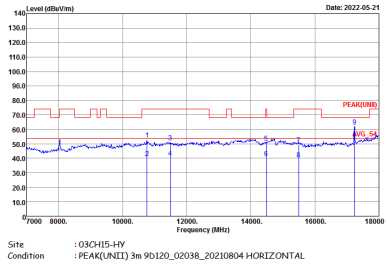
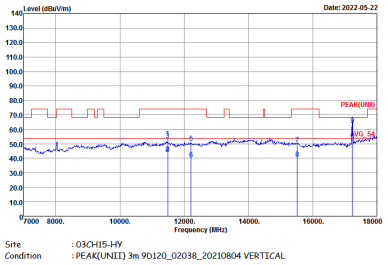
WIFI 802.11ax HE80 Partial 996 (Band Edge @ 3m)

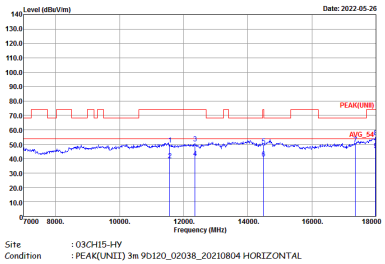
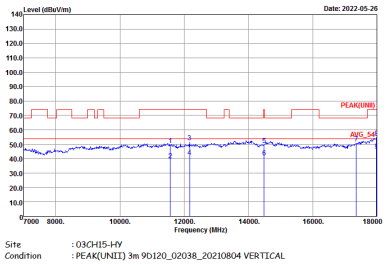
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
5+4	Horizontal	Fundamental
Peak		
Peak		Left blank

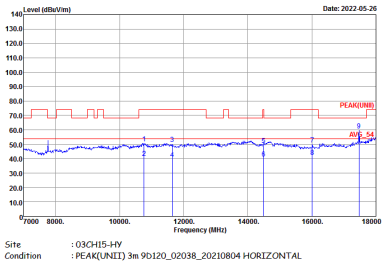
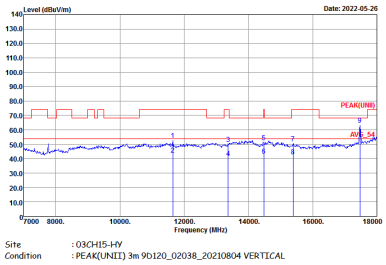
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
5+4	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

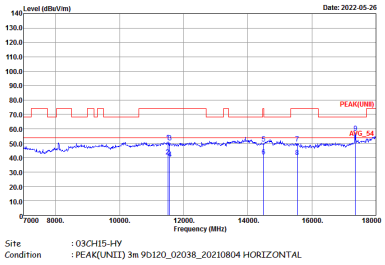
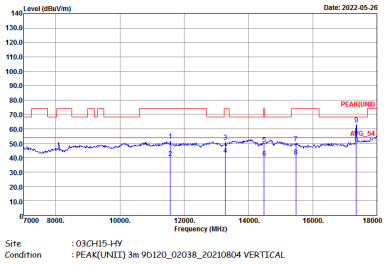
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Horizontal	Vertical
Peak Avg.		

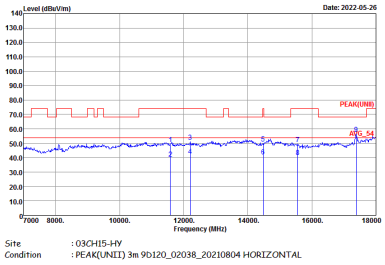
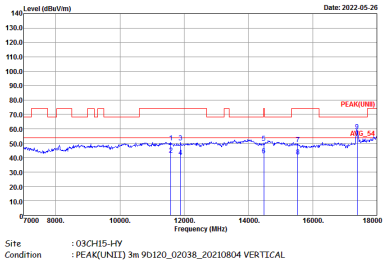
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
5+4	Horizontal	Vertical
Peak Avg.		

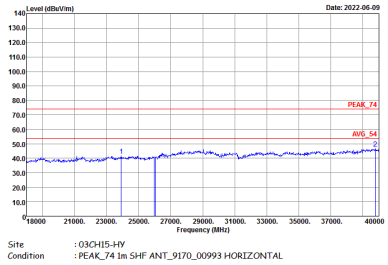
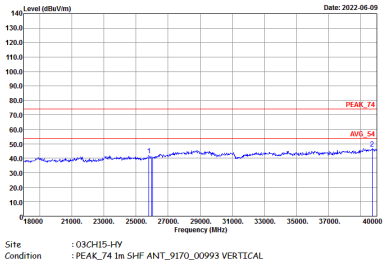
Band 4 5725~5850MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
5+4	Horizontal	Vertical
Peak Avg.		

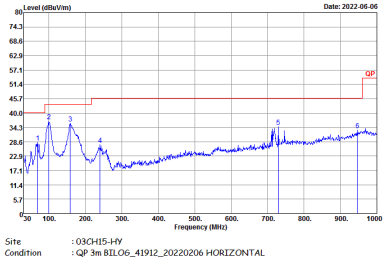
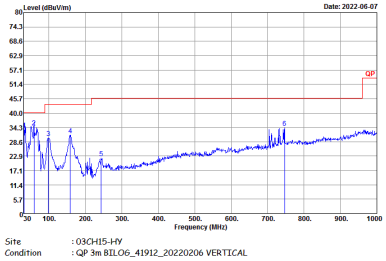
Emission above 18GHz

WIFI 802.11ax HE80 Partial 996 (SHF)

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Partial 996 SHF	
5+4	Horizontal	Vertical
Peak Avg.		

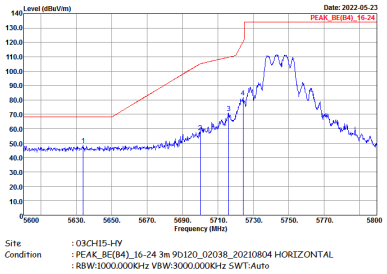
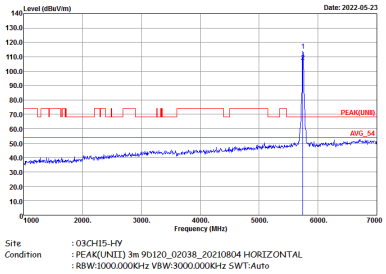
Emission below 1GHz

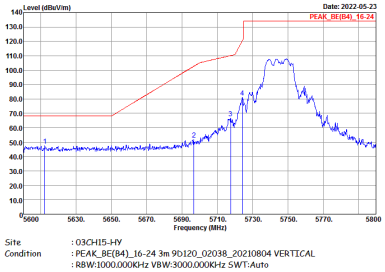
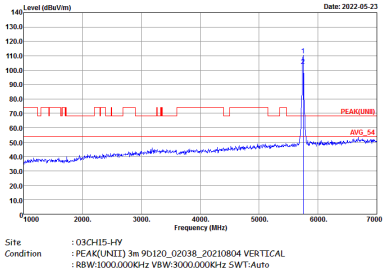
WIFI 802.11ax HE80 Partial 996 (LF @ 3m)

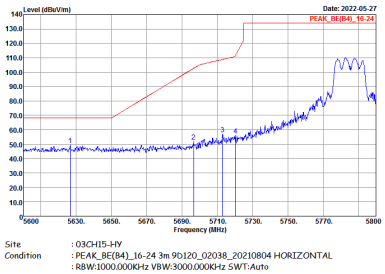
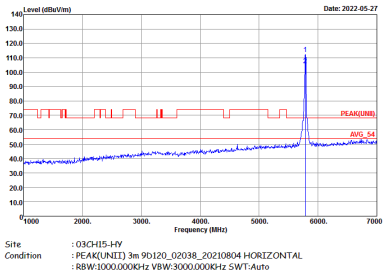
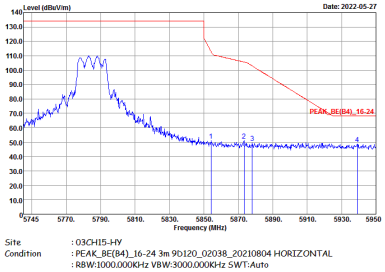
WIFI	5GHz WIFI	
ANT	802.11ax HE80 Partial 996 LF	
5+4	Horizontal	Vertical
QP / Peak		

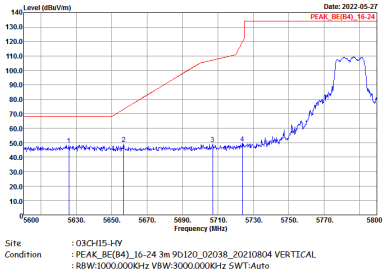
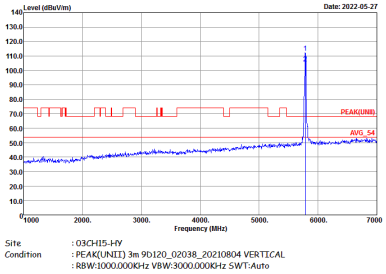
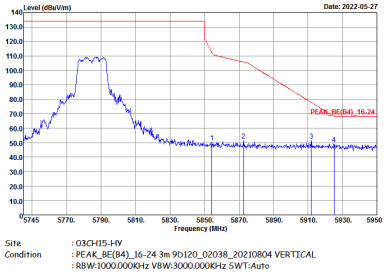
Band 4 - 5725~5850MHz

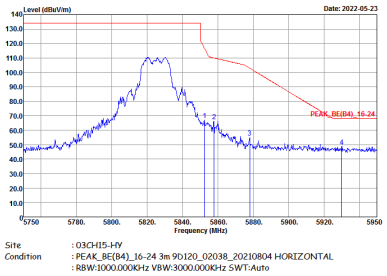
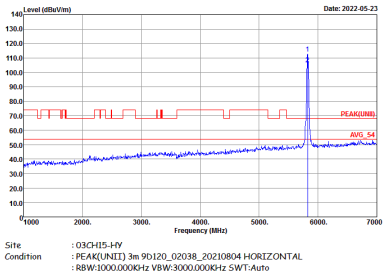
WIFI 802.11a (Band Edge @ 3m)

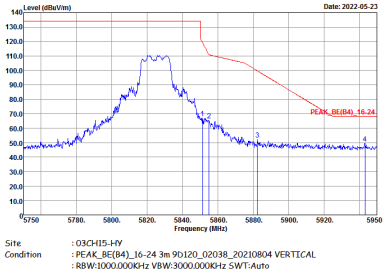
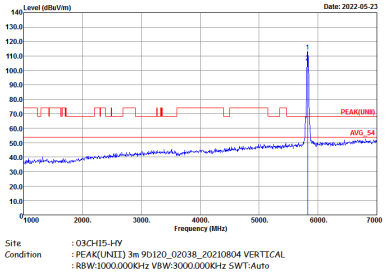
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+6	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+6	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

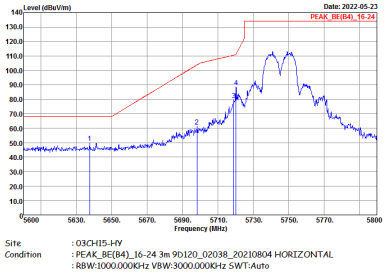
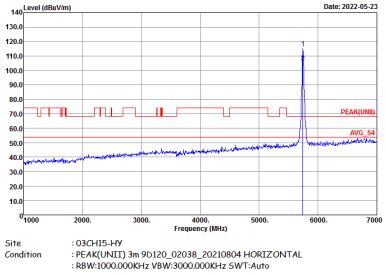
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

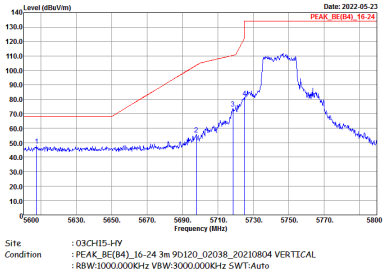
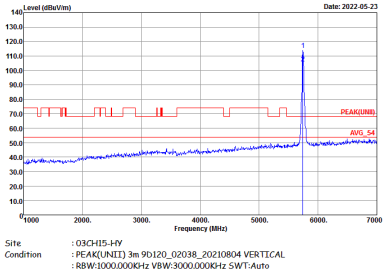
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+6	Horizontal	Fundamental
Peak		

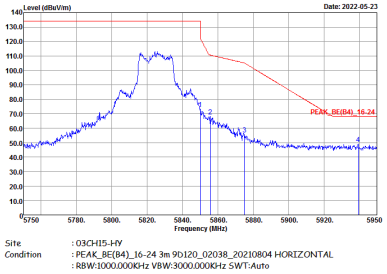
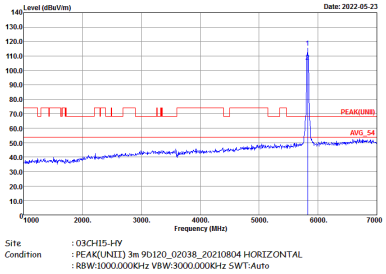
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+6	Vertical	Fundamental
Peak		

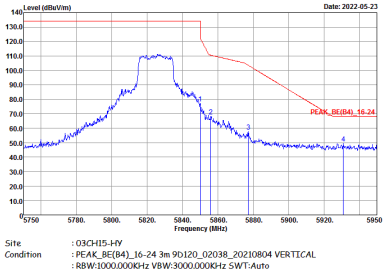
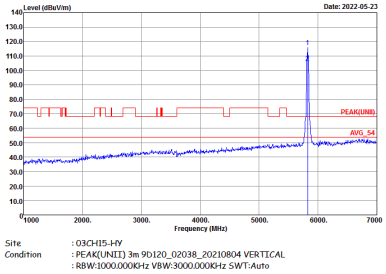
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
5+6	Horizontal	Fundamental
Peak		

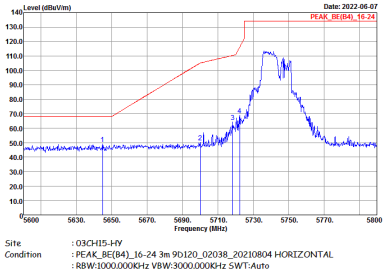
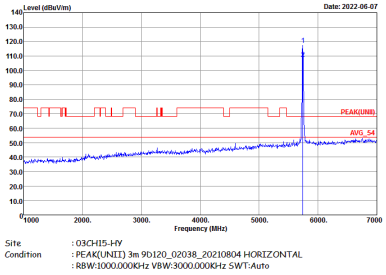
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
5+6	Vertical	Fundamental
Peak		

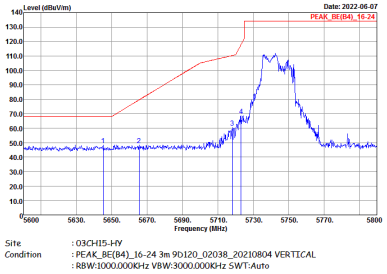
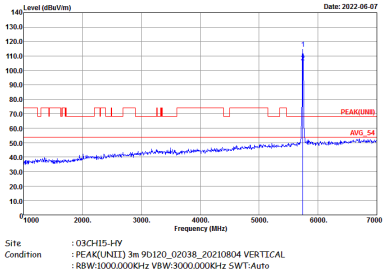
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
5+6	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
5+6	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

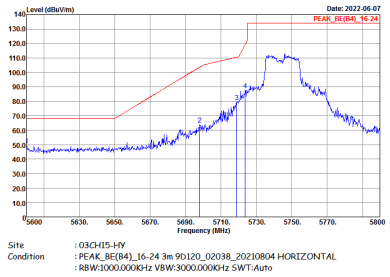
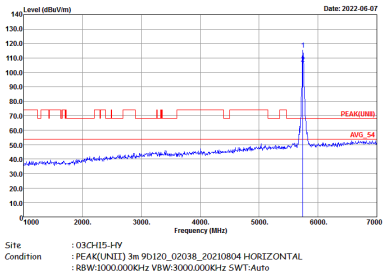
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

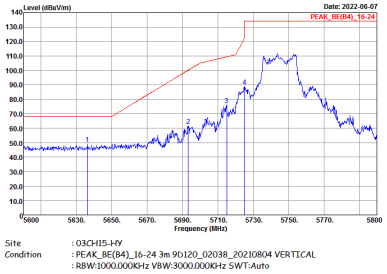
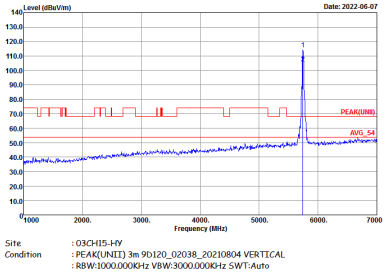
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
5+6	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
5+6	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

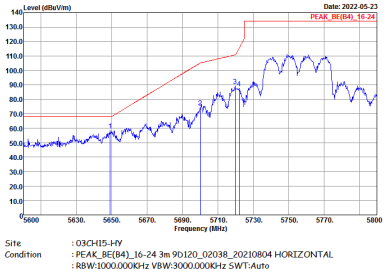
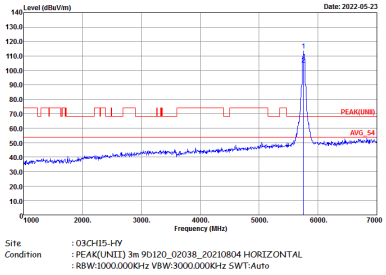
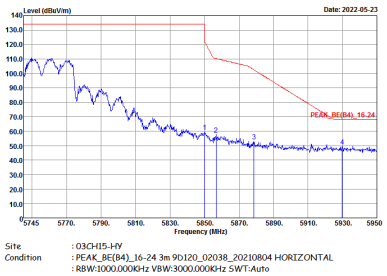
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

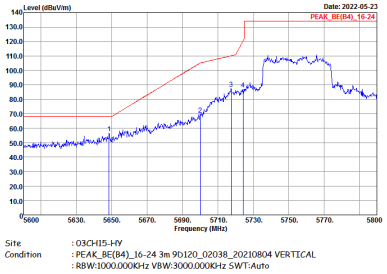
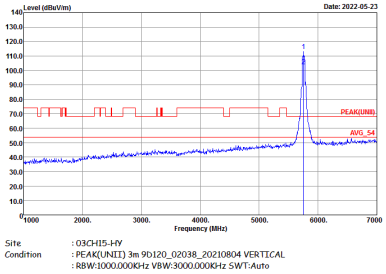
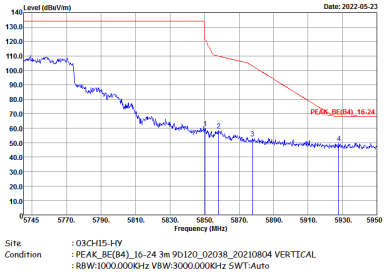
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
5+6	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
5+6	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz

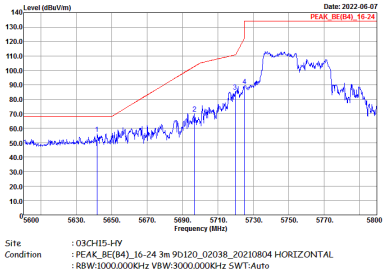
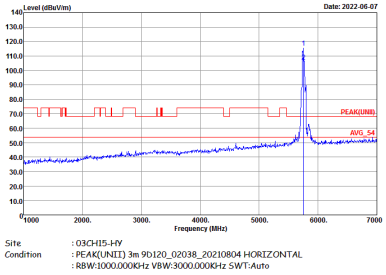
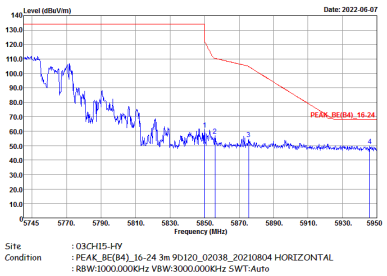
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

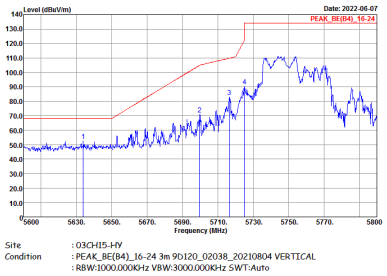
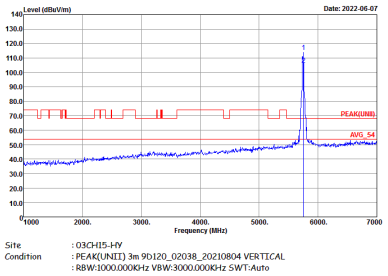
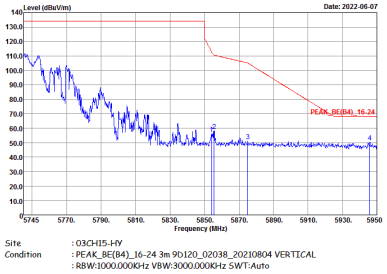
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

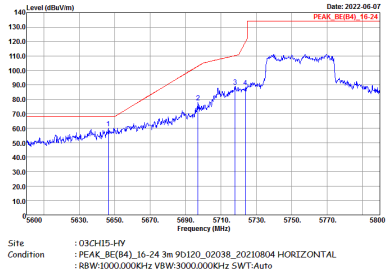
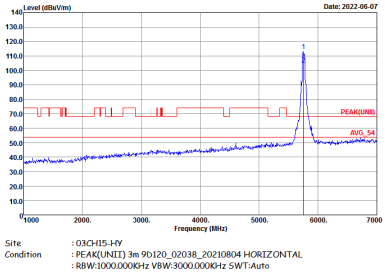
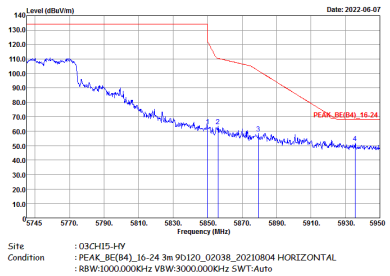
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

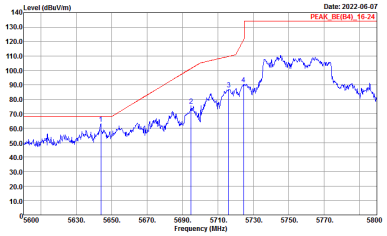
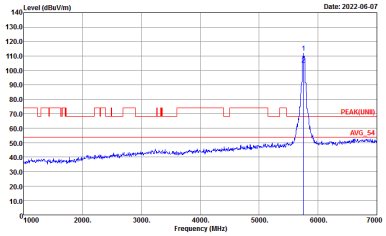
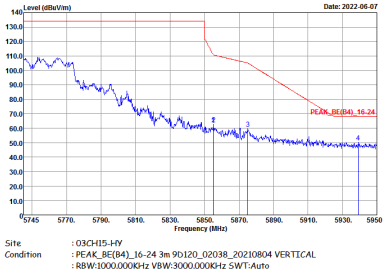
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

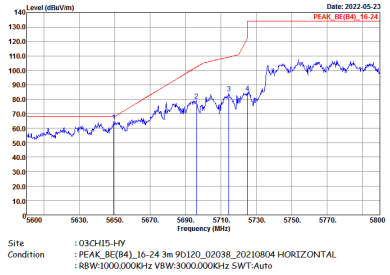
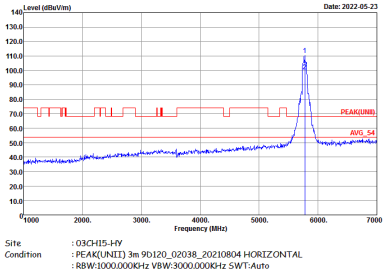
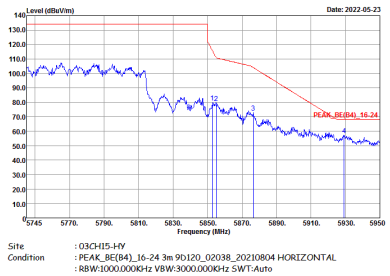
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

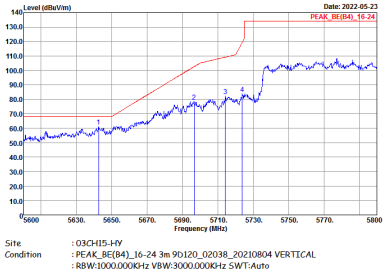
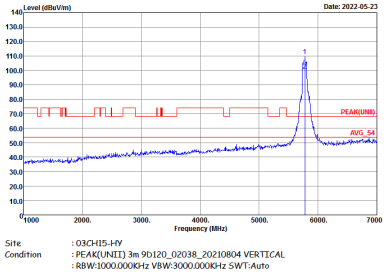
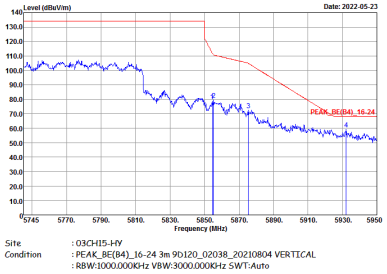
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

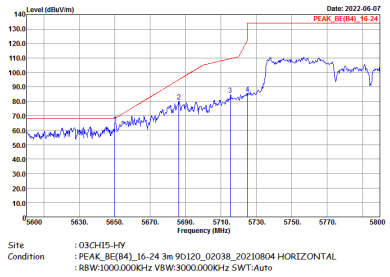
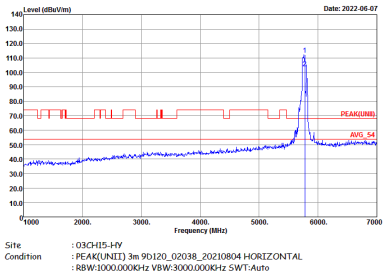
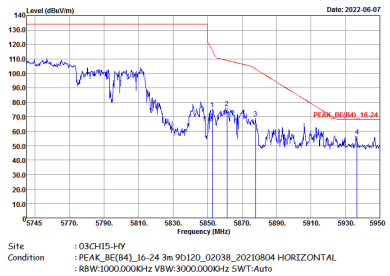
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

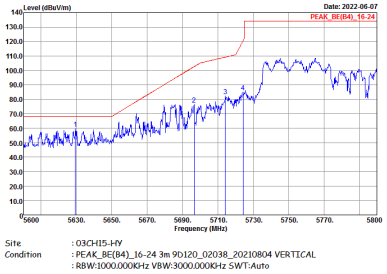
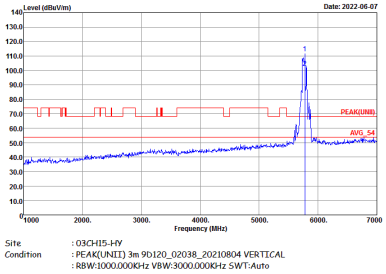
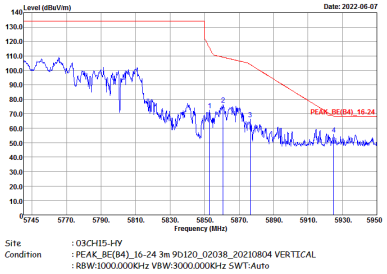
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

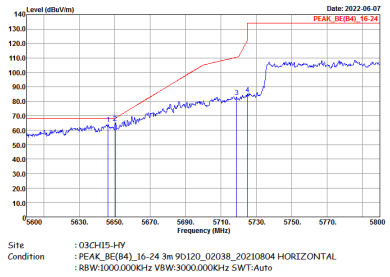
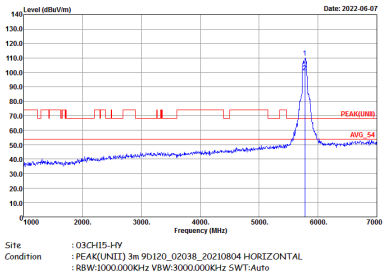
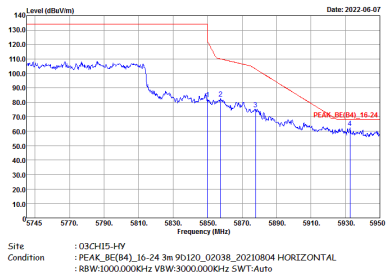
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

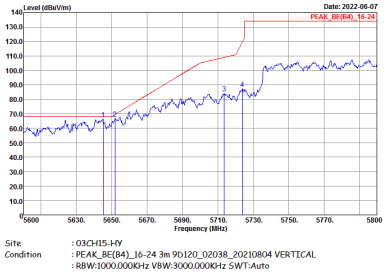
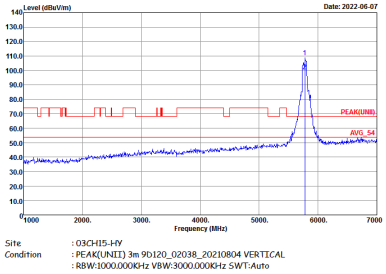
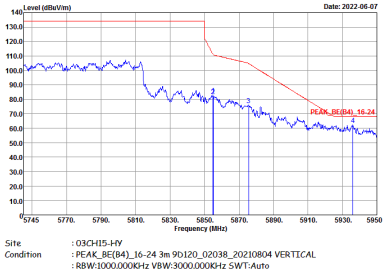
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

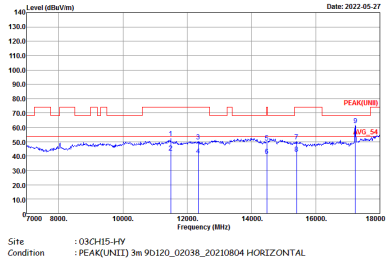
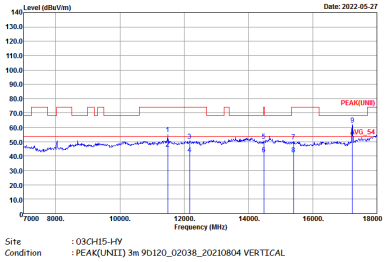
WIFI 802.11ax HE80 Partial 996 (Band Edge @ 3m)

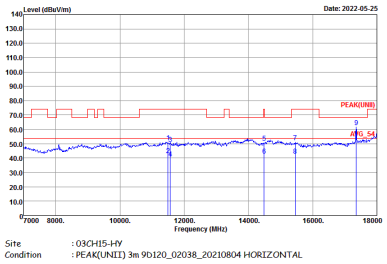
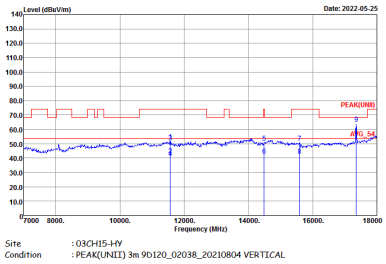
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
5+6	Horizontal	Fundamental
Peak		
Peak		Left blank

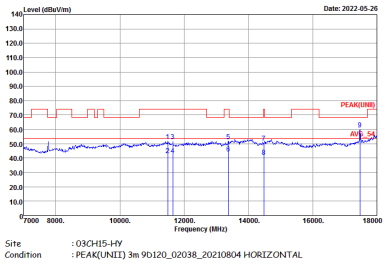
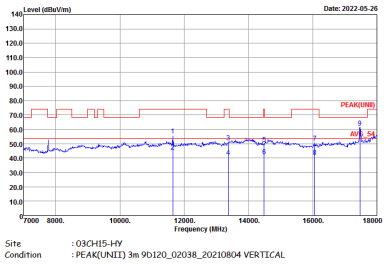
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
5+6	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

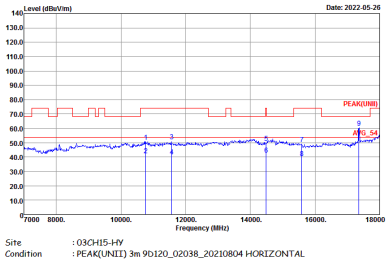
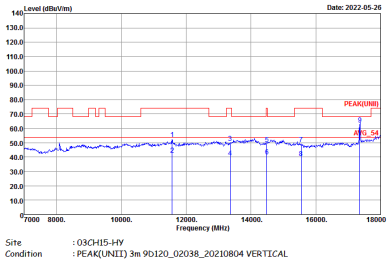
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
5+6	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
5+6	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
5+6	Horizontal	Vertical
Peak Avg.		

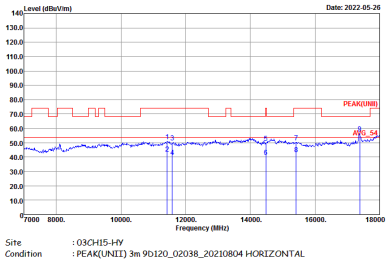
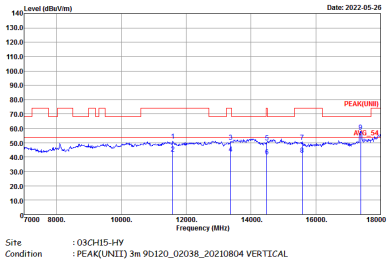
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
5+6	Horizontal	Vertical
Peak Avg.		

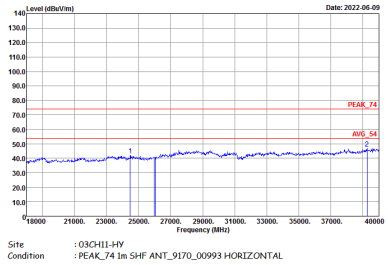
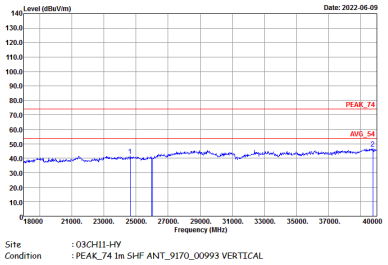
Band 4 5725~5850MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
5+6	Horizontal	Vertical
Peak Avg.		

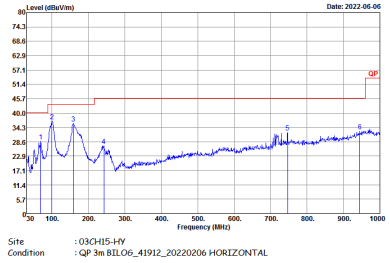
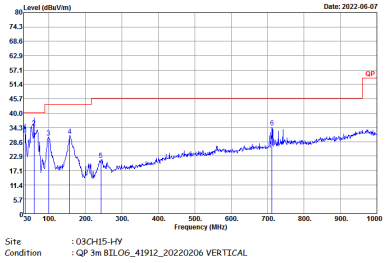
Emission above 18GHz

WIFI 802.11ax HE80 Partial 996 (SHF)

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Partial 996 SHF	
5+6	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

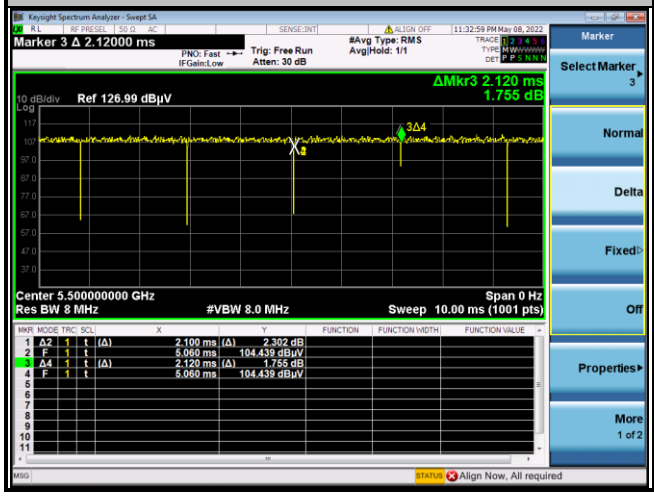
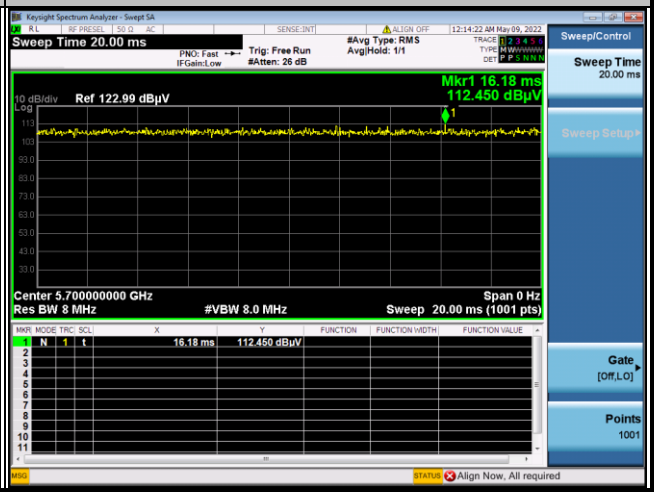
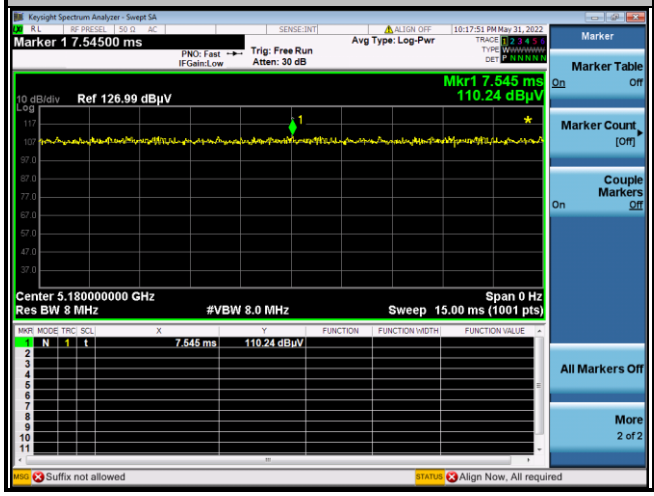
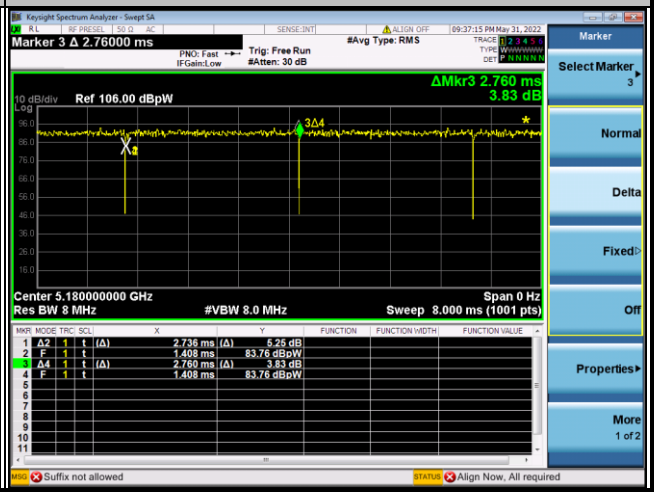
WIFI 802.11ax HE80 Partial 996 (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Partial 996 LF	
5+6	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
5+4	802.11a	99.06	-	-	10Hz
5+4	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz
5+4	5GHz 802.11ax HE20 106 RU	100.00	-	-	10Hz
5+4	5GHz 802.11ax HE20 242 RU	99.13	-	-	10Hz
5+4	5GHz 802.11ax HE40 Full RU	98.45	-	-	10Hz
5+4	5GHz 802.11ax HE40 242 RU	99.27	-	-	10Hz
5+4	5GHz 802.11ax HE40 484 RU	98.94	-	-	10Hz
5+4	5GHz 802.11ax HE80 Full RU	99.15	-	-	10Hz
5+4	5GHz 802.11ax HE80 484 RU	98.92	-	-	10Hz
5+4	5GHz 802.11ax HE80 996 RU	98.84	-	-	10Hz
5+6	802.11a	99.05	-	-	10Hz
5+6	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz
5+6	5GHz 802.11ax HE20 106 RU	100.00	-	-	10Hz
5+6	5GHz 802.11ax HE20 242 RU	99.13	-	-	10Hz
5+6	5GHz 802.11ax HE40 Full RU	99.54	-	-	10Hz
5+6	5GHz 802.11ax HE40 242 RU	99.42	-	-	10Hz
5+6	5GHz 802.11ax HE40 484 RU	98.94	-	-	10Hz
5+6	5GHz 802.11ax HE80 Full RU	99.15	-	-	10Hz
5+6	5GHz 802.11ax HE80 484 RU	99.51	-	-	10Hz
5+6	5GHz 802.11ax HE80 996 RU	99.27	-	-	10Hz

MIMO <Ant. 5+4>

802.11a	5GHz 802.11ax HE20 Full RU
	
5GHz 802.11ax HE20 106 RU	**5GHz 802.11ax HE20 242 RU**
	
5GHz 802.11ax HE40 Full RU	**5GHz 802.11ax HE40 242 RU**