



FCC RADIO TEST REPORT

FCC ID : 2A4DH-6387
Equipment : Digital Media Receiver
Model Name : K3R6AT
Applicant : Amazon.com Services LLC
410 Terry Avenue N, Seattle, WA
98109-5210 United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 09, 2023 and testing was performed from Apr. 03, 2023 to May 03, 2023. 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.

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.)



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History of this test report

Report No.	Version	Description	Issue Date
FR2N1818-01E	01	Initial issue of report	May 24, 2023
FR2N1818-01E	02	Revise Test Mode, Section 2.3 and Section 2.4 This report is an updated version, replacing the report issued on May 24, 2023.	Aug. 18, 2023



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
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
3.5	15.207	AC Conducted Emission	Pass
3.6	15.407(c)	Automatically Discontinue Transmission	Pass
3.7	15.203	Antenna Requirement	Pass

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Alan Liu
Report Producer: Doris Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	K3R6AT
FCC ID	2A4DH-6387
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard							
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz						
Maximum Output Power to antenna	MIMO <Ant. 0+1> 802.11a: 20.37 dBm / 0.1089 W 802.11n HT20: 18.37 dBm / 0.0687 W 802.11n HT40: 18.41 dBm / 0.0693 W 802.11ac VHT20: 18.33 dBm / 0.0681 W 802.11ac VHT40: 18.37 dBm / 0.0687 W 802.11ac VHT80: 17.71 dBm / 0.0590 W 802.11ax HE20: 18.47 dBm / 0.0703 W 802.11ax HE40: 18.73 dBm / 0.0746 W 802.11ax HE80: 18.06 dBm / 0.0640 W						
99% Occupied Bandwidth	MIMO <Ant. 0> 802.11a: 17.73 MHz 802.11ax HE20: 19.13MHz 802.11ax HE40: 37.76 MHz 802.11ax HE80: 76.72 MHz MIMO <Ant. 1> 802.11a: 17.23 MHz 802.11ax HE20: 19.13 MHz 802.11ax HE40: 37.76 MHz 802.11ax HE80: 76.84 MHz						
Antenna Function Description	<table border="1"> <thead> <tr> <th></th> <th>Ant. 0</th> <th>Ant. 1</th> </tr> </thead> <tbody> <tr> <td>802.11 a/n/ac/ax MIMO</td> <td>V</td> <td>V</td> </tr> </tbody> </table>		Ant. 0	Ant. 1	802.11 a/n/ac/ax MIMO	V	V
	Ant. 0	Ant. 1					
802.11 a/n/ac/ax MIMO	V	V					



Product Specification is subject to this standard	
Antenna Type / Gain	<Ant. 0> : Printed PCB Monopole Antenna with gain 5.0 dBi <Ant. 1> : Printed PCB Monopole Antenna with gain 4.0 dBi
Type of Modulation	802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax : OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)

Remark:

1. MIMO Ant. 0+1 Directional Gain is a calculated result from MIMO Ant. 0 and MIMO Ant. 1. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 0 + Ant. 1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.

1.2.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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.

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

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 k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log \left[\left(10^{G_1 / 20} + 10^{G_2 / 20} + \dots + 10^{G_N / 20} \right)^2 / N_{ANT} \right]$ dBi

Where G_1, G_2, \dots, G_N denote single antenna gain.

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 1	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	5.00	4.00	5.00	7.52	0.00	1.52

Calculation example:

If a device has two antenna, $G_{ANT1} = 5.0$ dBi; $G_{ANT2} = 4.0$ dBi

Directional gain of power measurement = $\max(5.0, 4.0) + 0 = 5.0$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(5.00 \text{ dBi} / 20)} + 10^{(4.00 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 7.52 \text{ dBi}$$

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



1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. DF02-HY, CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission and Automatically Discontinue Transmission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, 03CH15-HY

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

FCC designation No.: TW1190 and TW3786



1.5 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.



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 only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

This device support 26/52/106/242/484/996-tone RU

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

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 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

The final test modes include the worst data rates for each modulation 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.

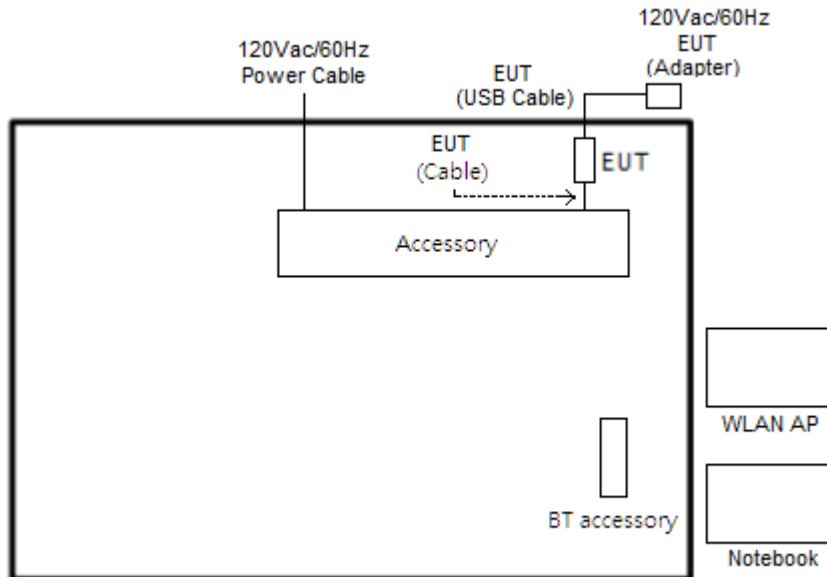
Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + USB Cable 1 (Charging from Adapter (FANA7R)) + With EUT cable +Video mode
Remark: For Radiated Test Cases, the tests were performed with Adapter (FANA7R) and USB Cable 1.	

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	-

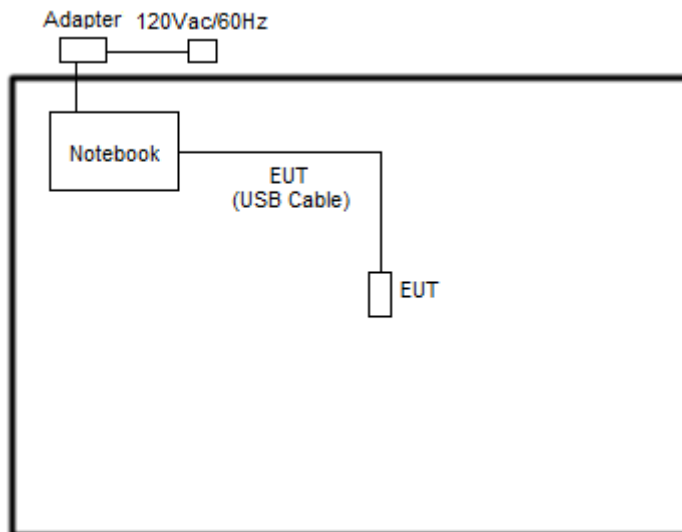
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Serial number	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	K1IT0Z000057	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	FZGJ5B3	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	Dell	HT68MT2	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Accessory	LG	801SZNG08143	FCC DoC	N/A	Unshielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance 1.0.1.22” 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.

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

3 Test Result

3.1 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.

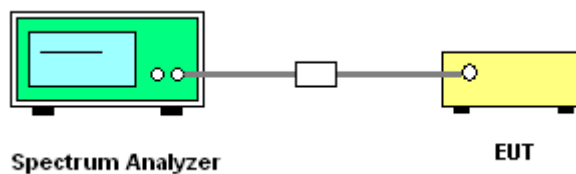
3.1.2 Measuring Instruments

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 $\geq 3 \times$ 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



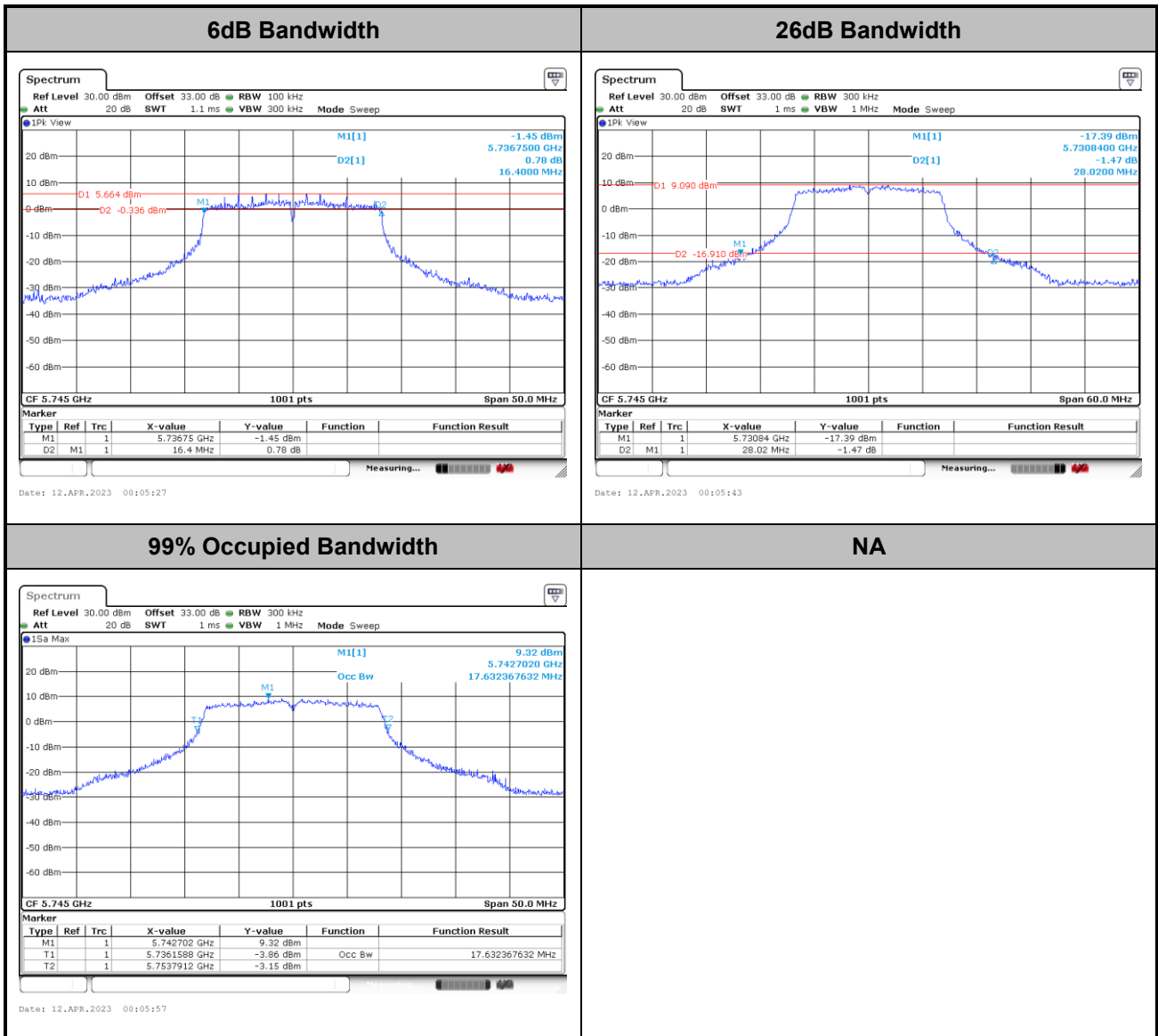
3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.



MIMO <Ant. 0+1>

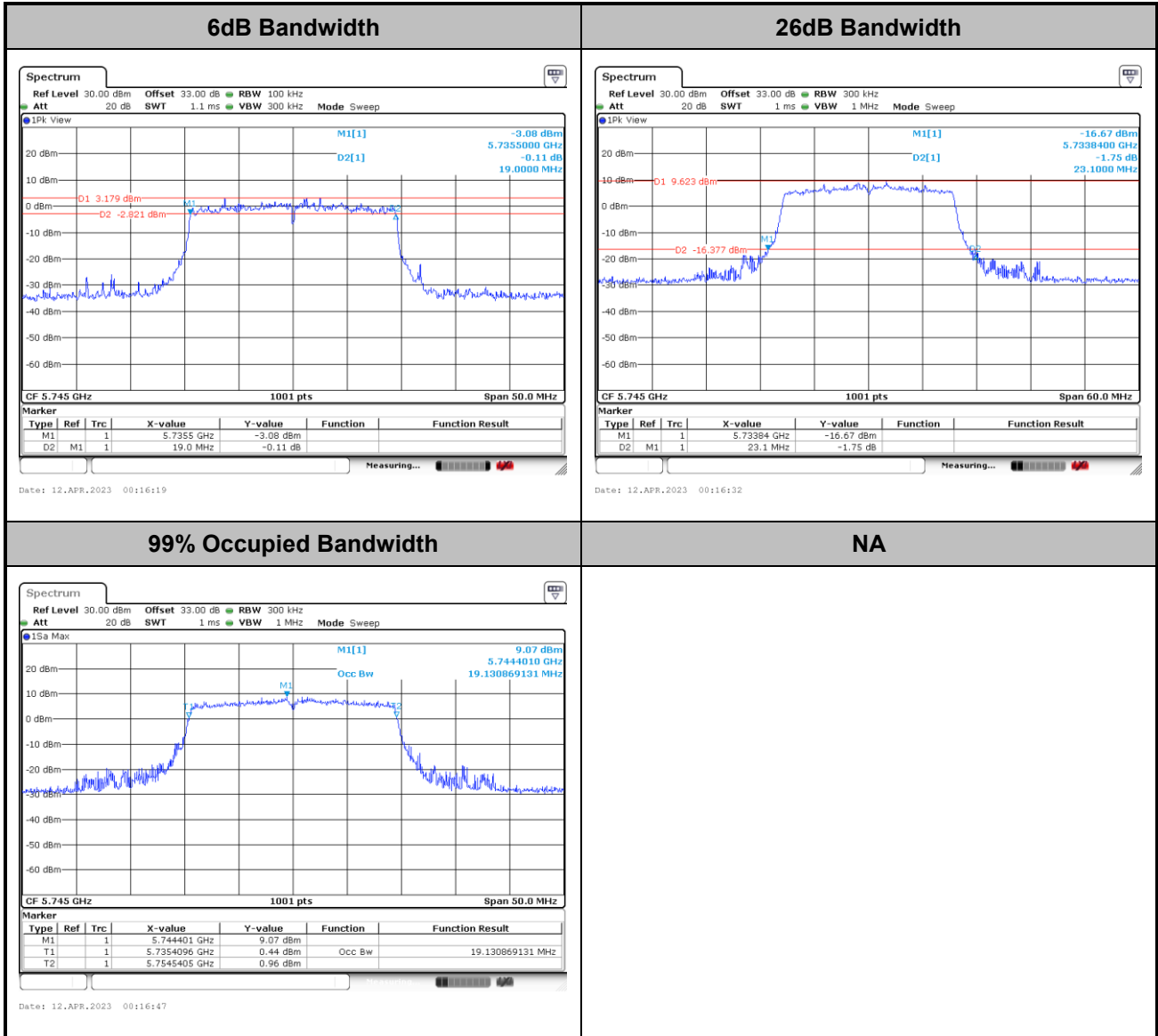
<802.11a>



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



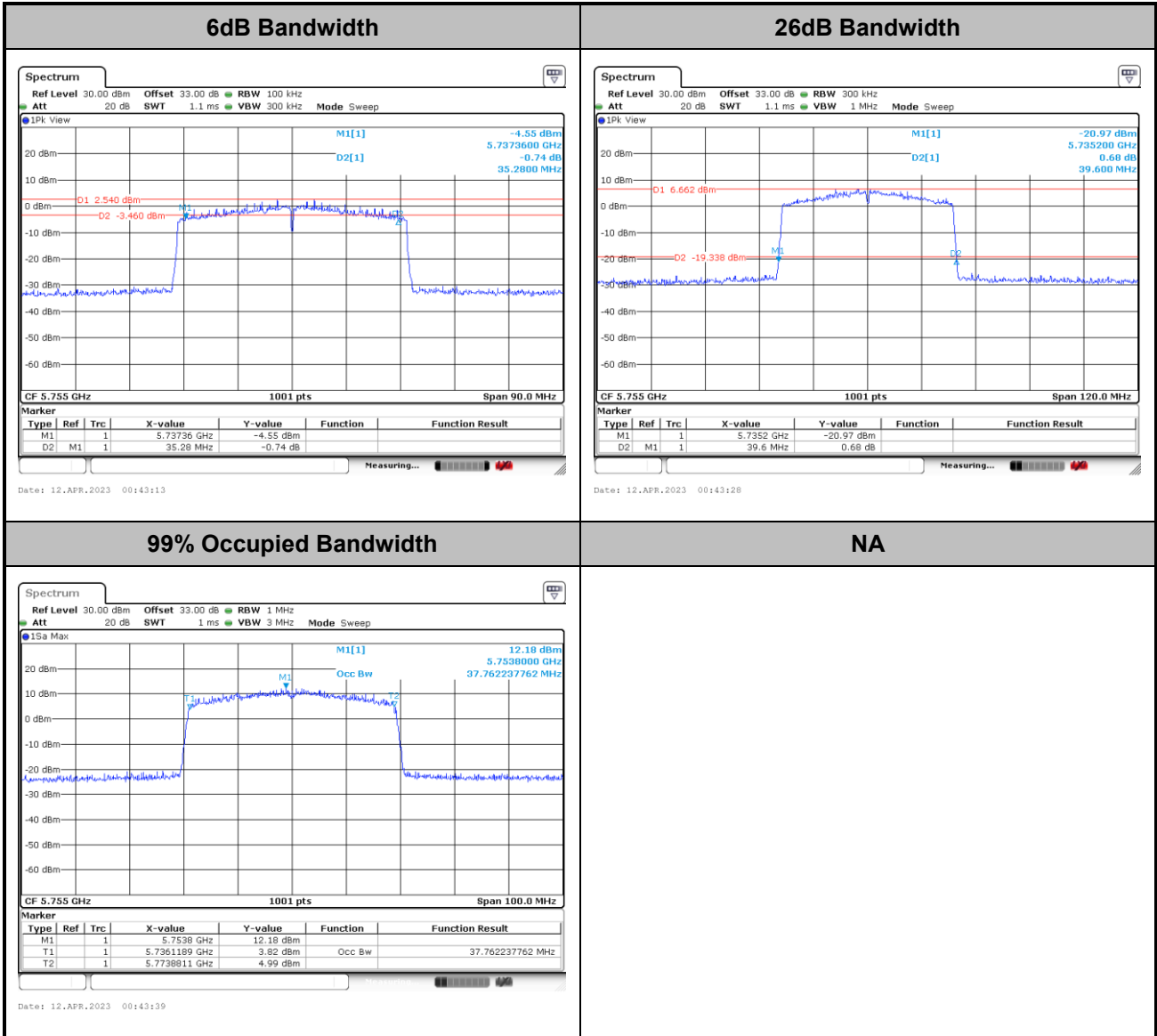
<802.11ax HE20>



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



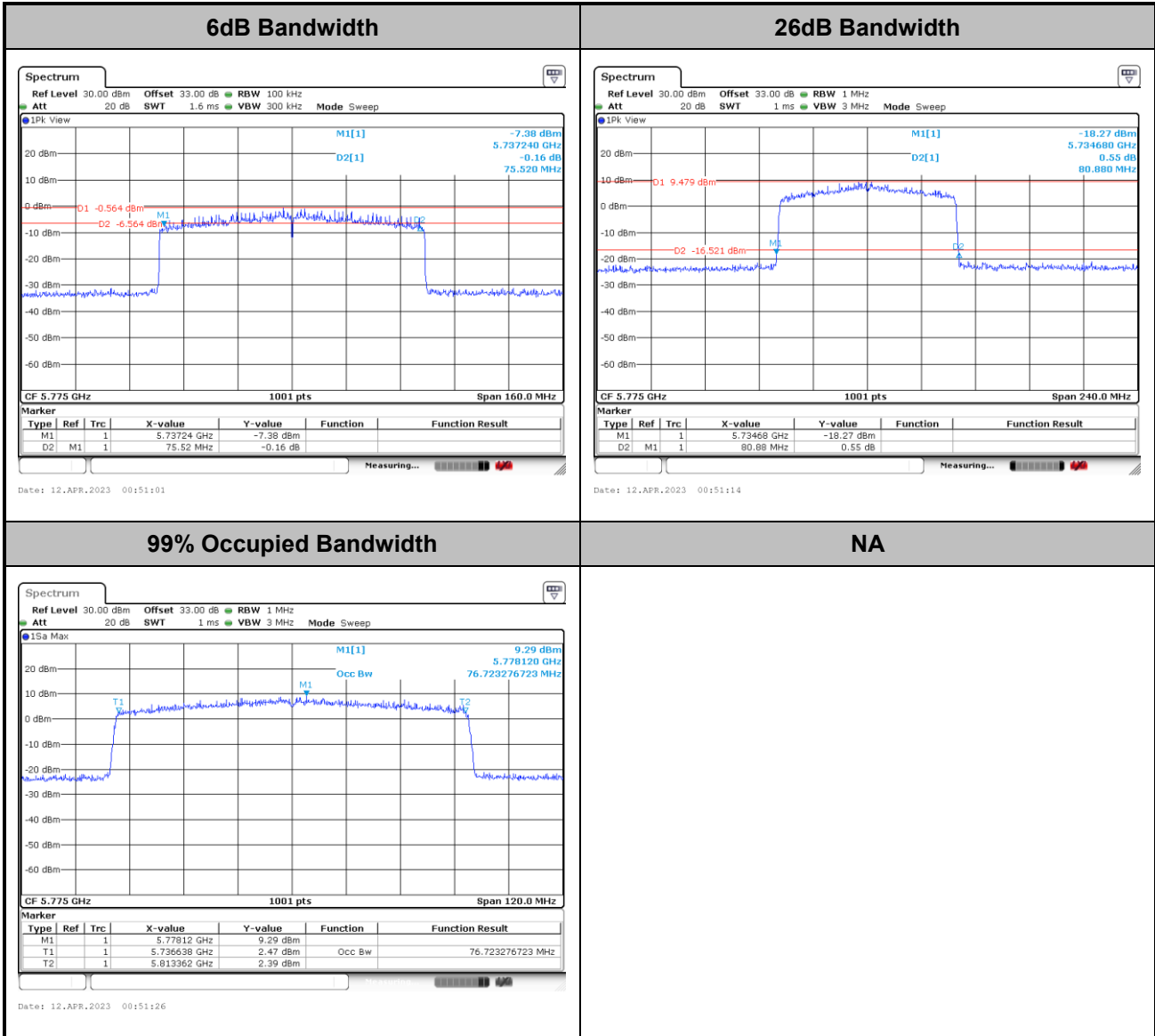
<802.11ax HE40>



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



<802.11ax HE80>



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.

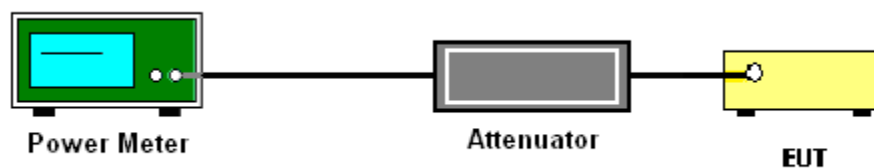
3.2.3 Test Procedures

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

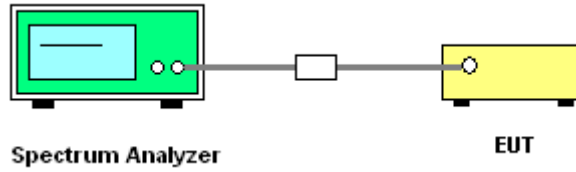
(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 300 kHz.
 - Set VBW \geq 1 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Add $10 \log(500 \text{ kHz/RBW})$ to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
 - Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT 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 $10 \log(N_{\text{ANT}})$ 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 $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

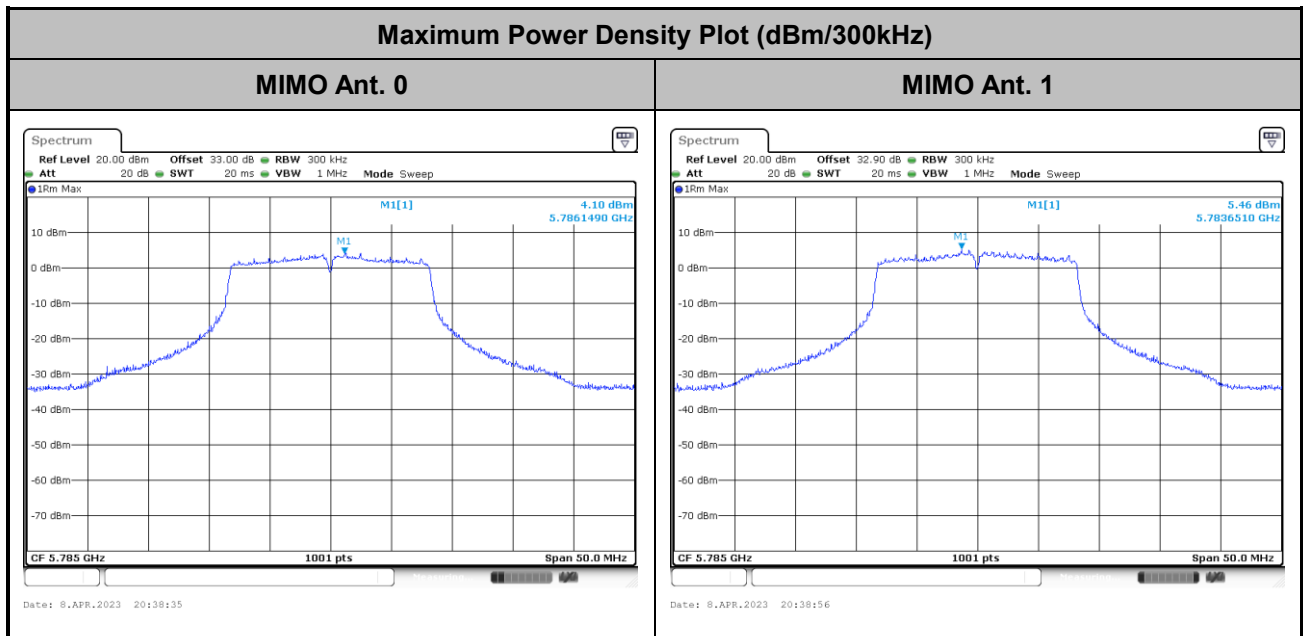
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<802.11a>

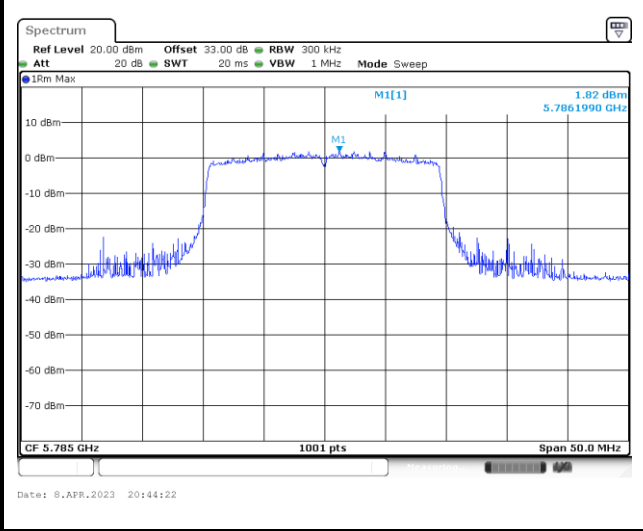




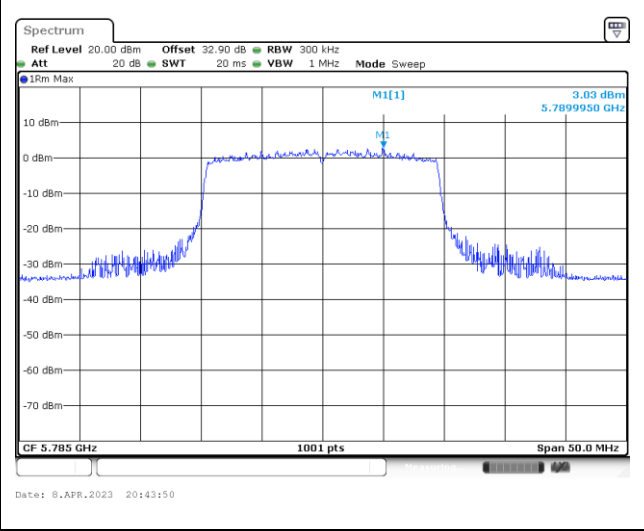
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Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0



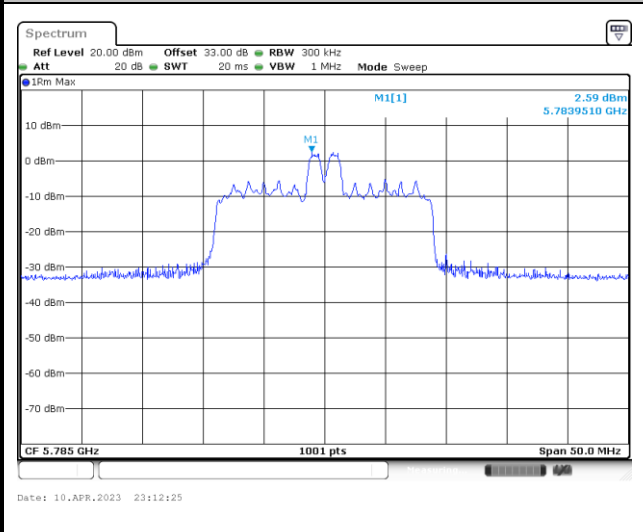
MIMO Ant. 1



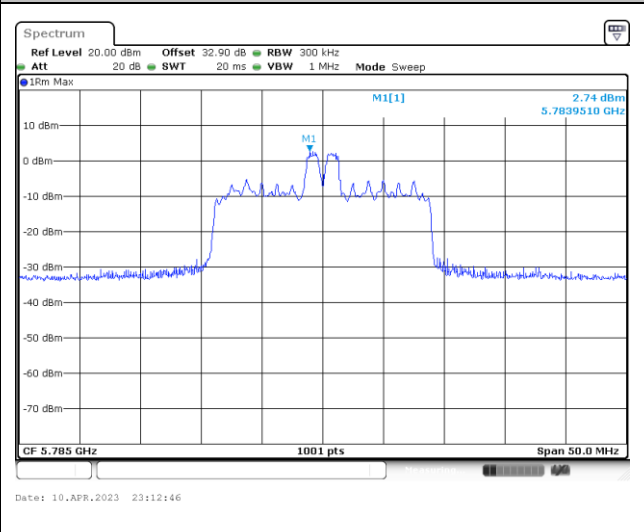
<802.11ax HE20 26RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

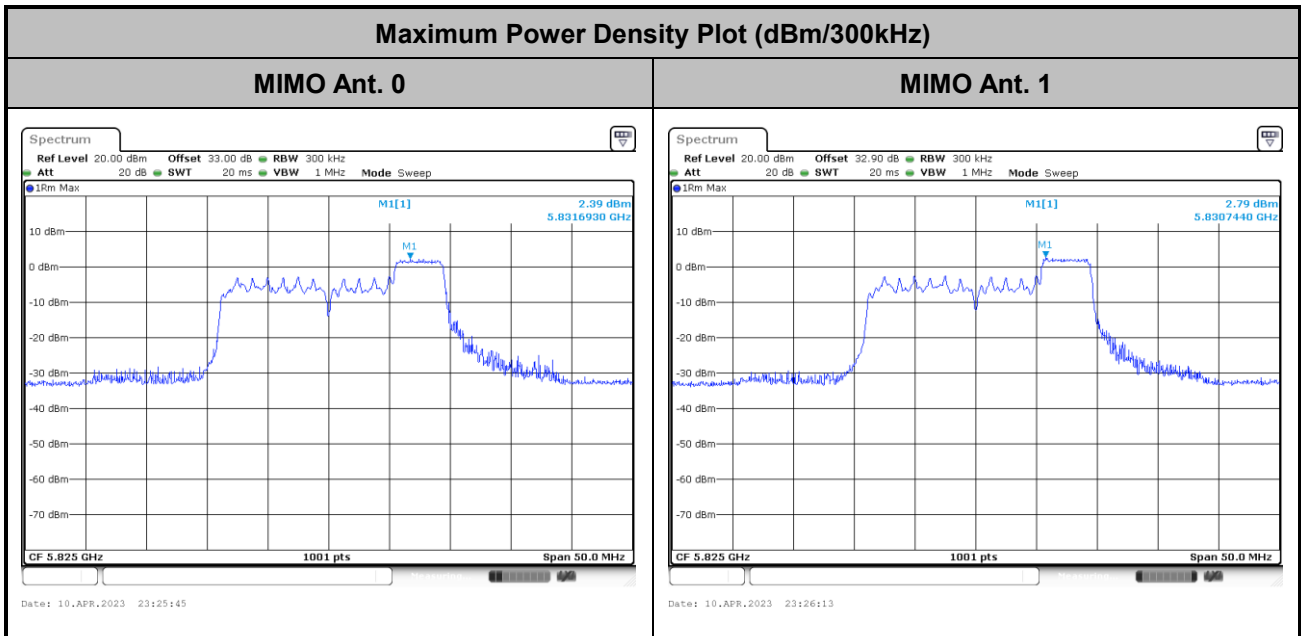


MIMO Ant. 1

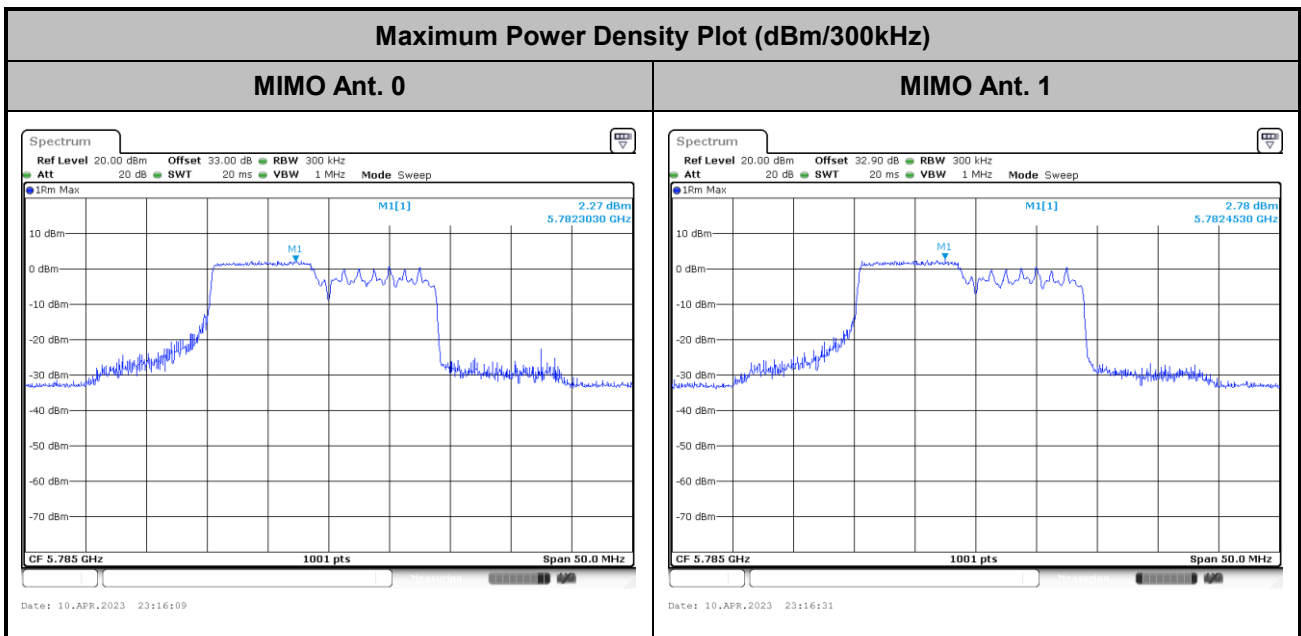




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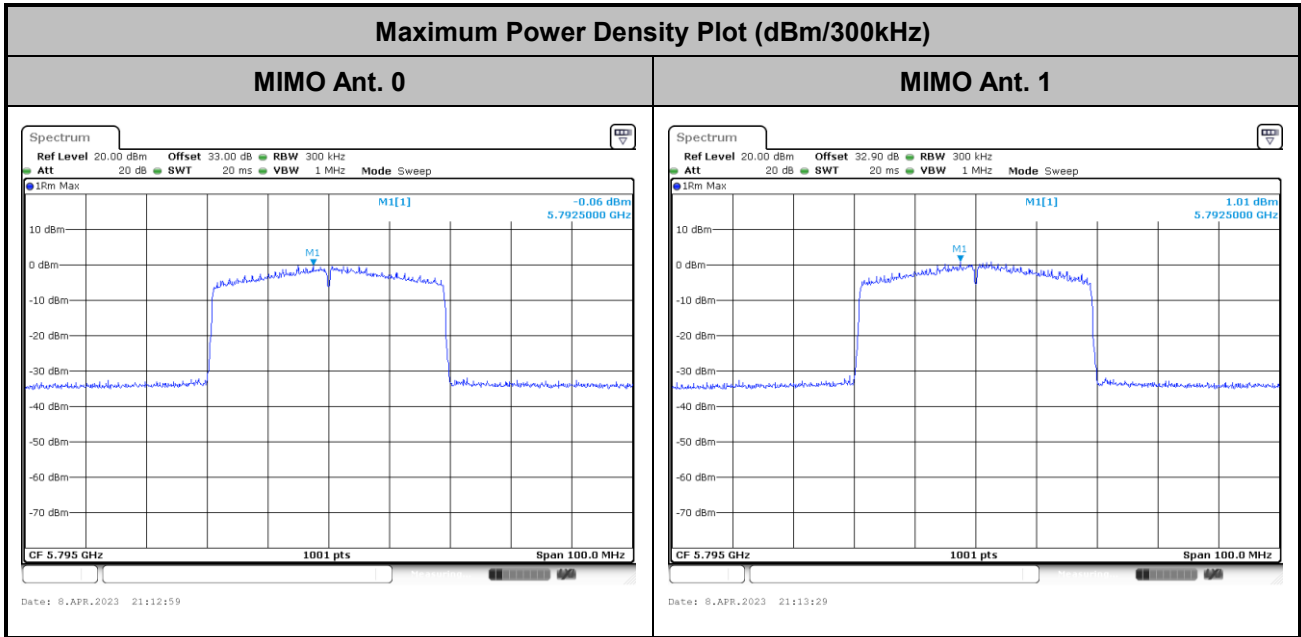


<802.11ax HE20 106RU>

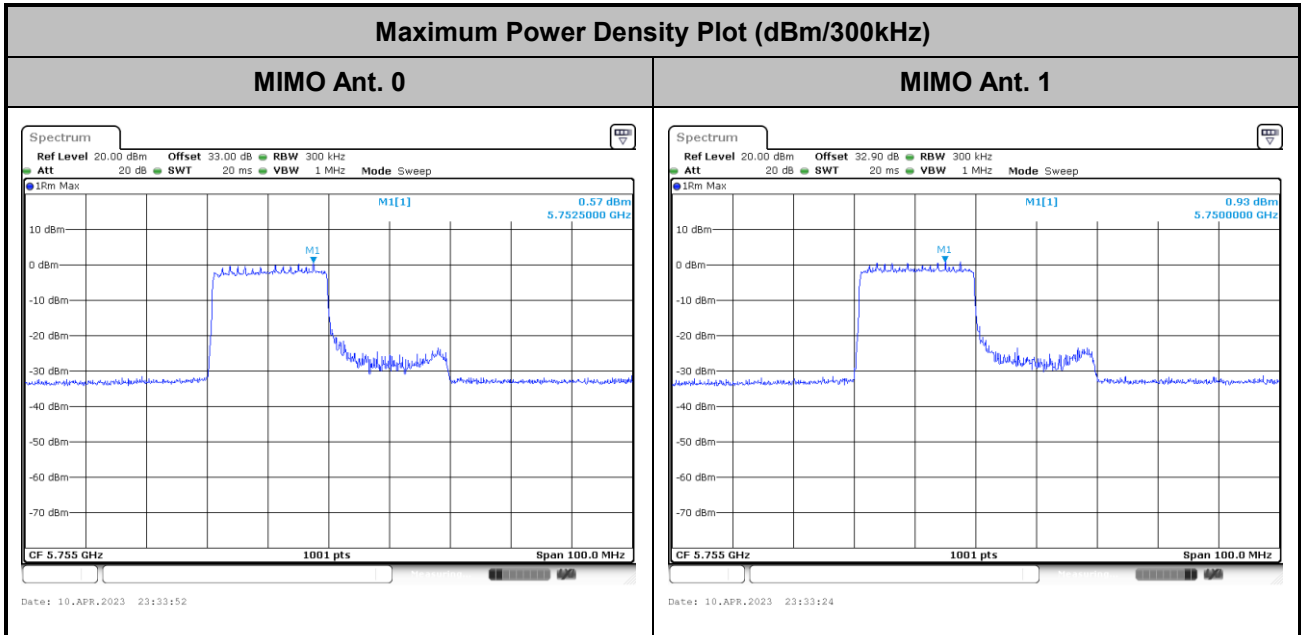




<802.11ax HE40>



<802.11ax HE40 242RU>



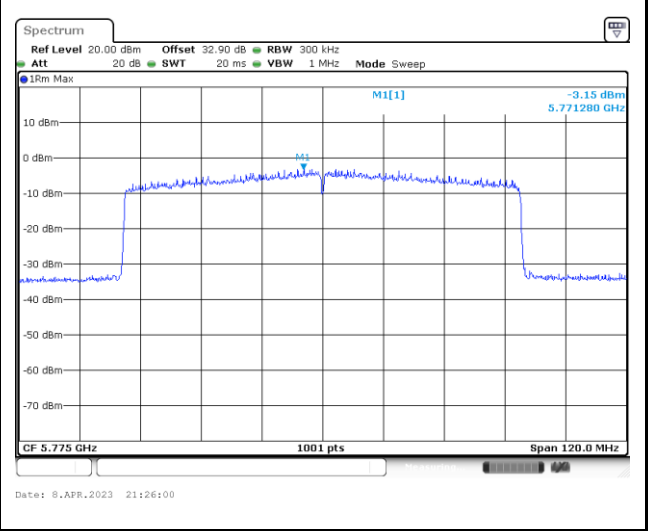
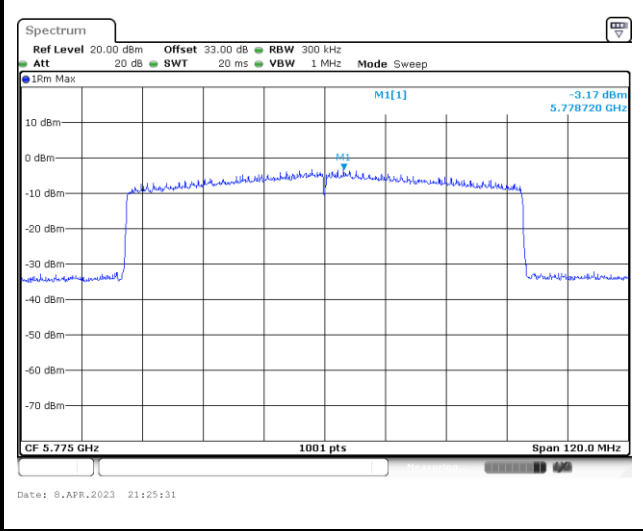


<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1

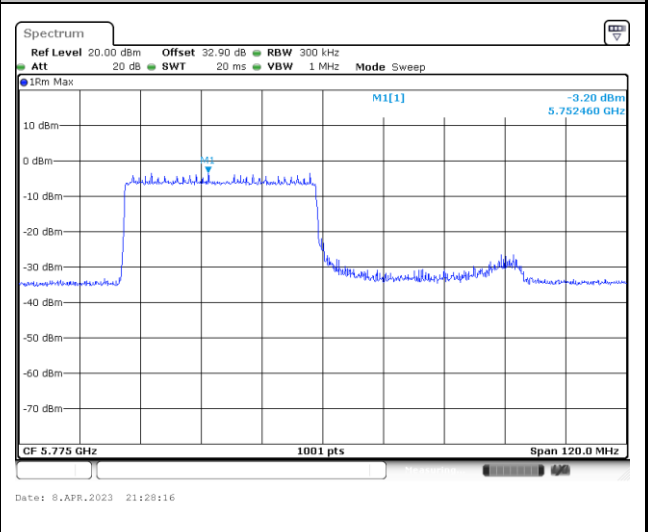
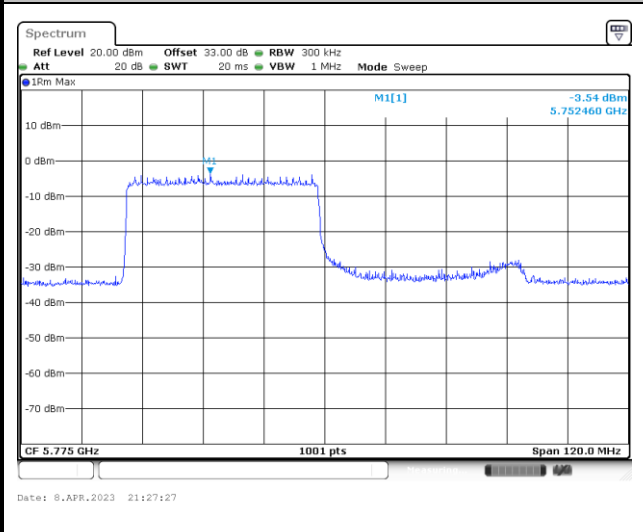


<802.11ax HE80 484 RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1





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.

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

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

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.



3.4.2 Measuring Instruments

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

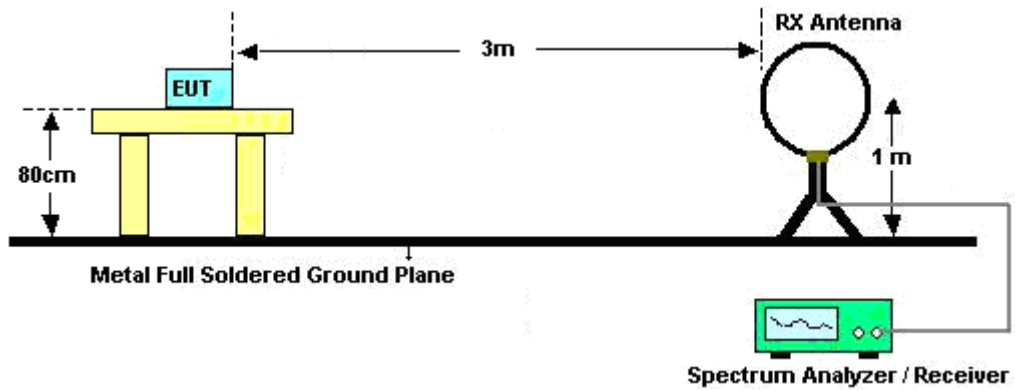
3.4.3 Test Procedures

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 \geq 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 \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT 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.

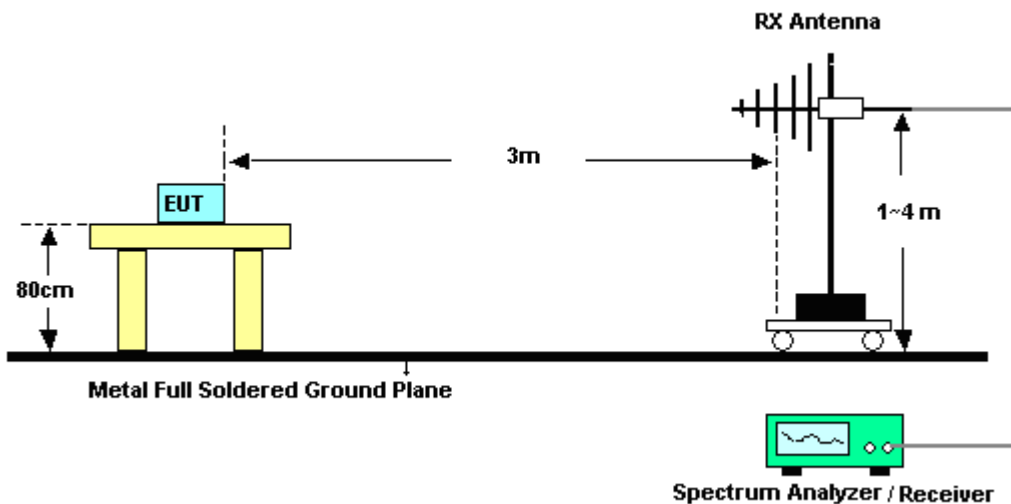
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

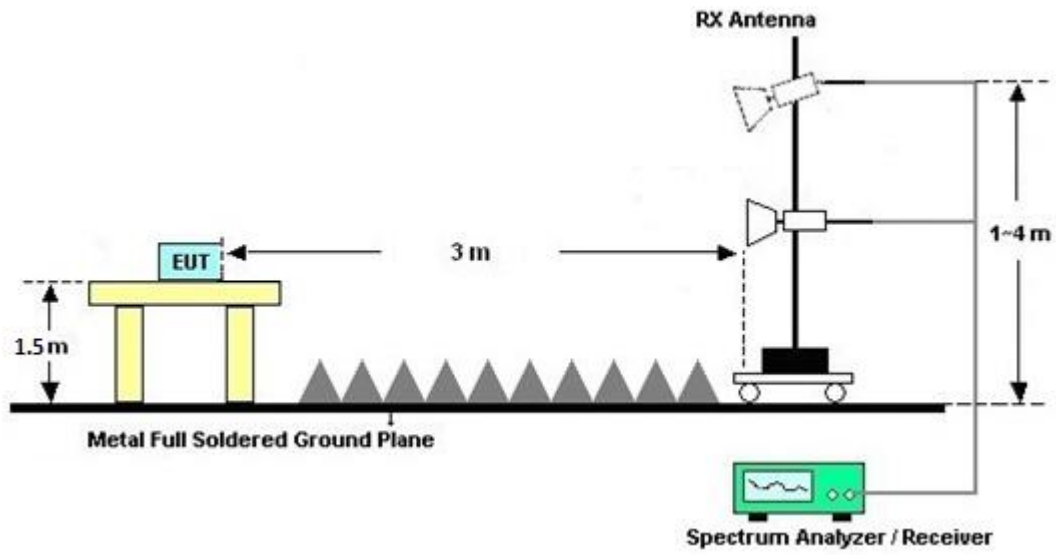
For radiated emissions below 30MHz



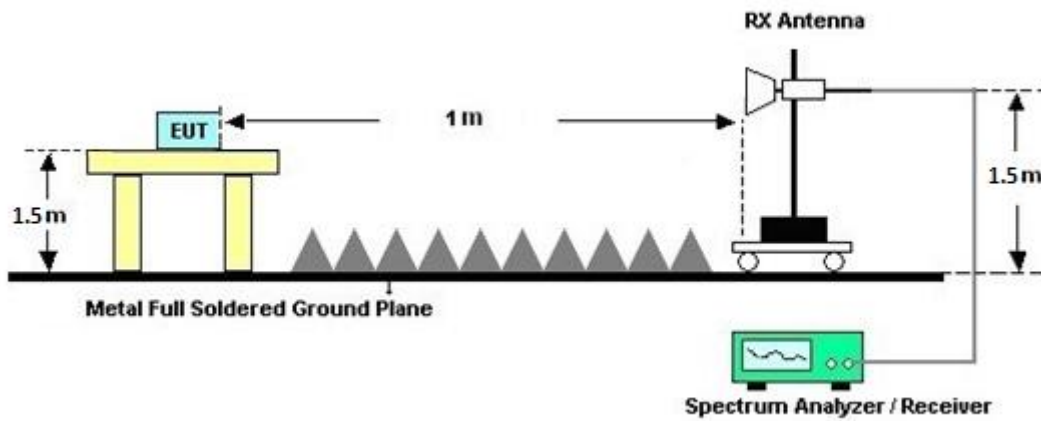
For radiated emissions from 30MHz to 1GHz



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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

3.5.2 Measuring Instruments

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 Test Result of Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

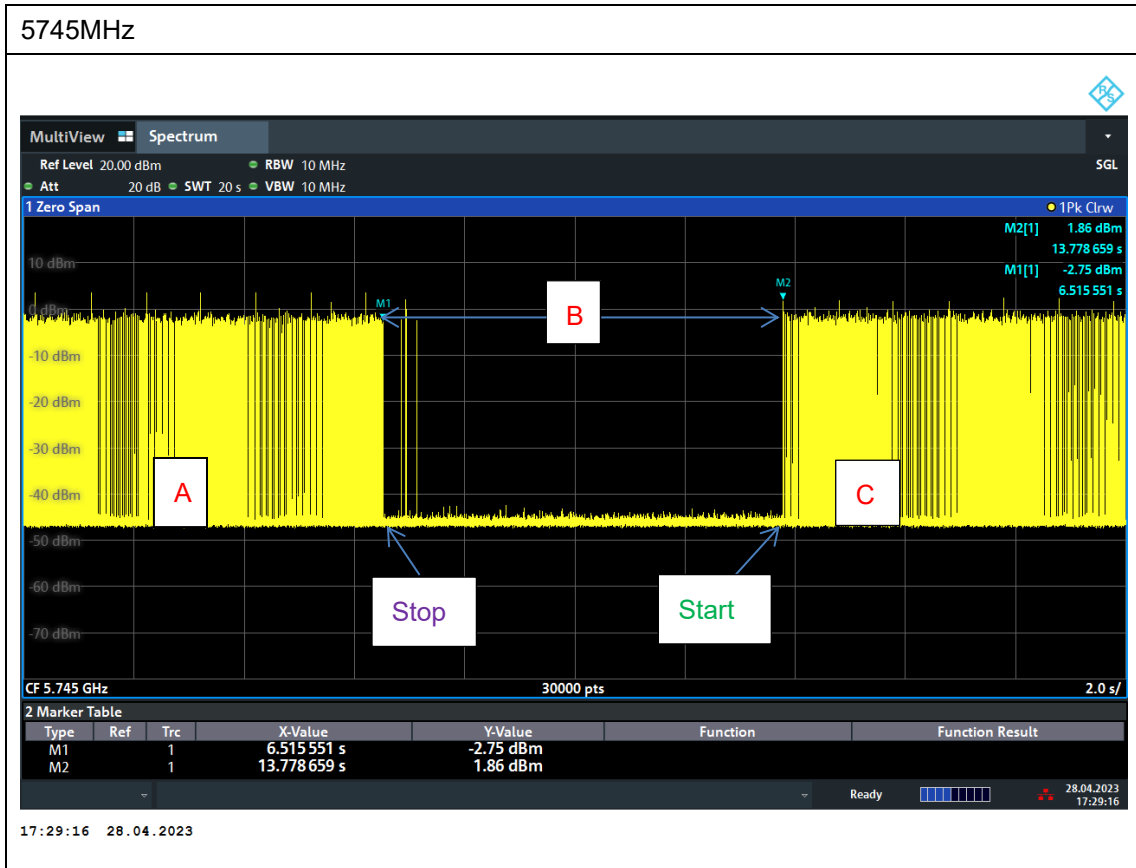
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



Note : The control / signalling information during the period B is precluded.



3.7 Antenna Requirements

3.7.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



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. 20, 2022	Apr. 04, 2023~ May 03, 2023	Sep. 19, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Apr. 04, 2023~ May 03, 2023	Feb. 04, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Apr. 04, 2023~ May 03, 2023	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18GHz~40GHz	May 14, 2022	Apr. 04, 2023~ May 03, 2023	May 13, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	Apr. 04, 2023~ May 03, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55007	1GHz~18GHz	Jun. 15, 2022	Apr. 04, 2023~ May 03, 2023	Jun. 14, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Apr. 04, 2023~ May 03, 2023	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Apr. 04, 2023~ May 03, 2023	Jun. 27, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	Apr. 04, 2023~ May 03, 2023	Oct. 17, 2023	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 11, 2023	Apr. 04, 2023~ May 03, 2023	Mar. 10, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 04, 2023~ May 03, 2023	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 04, 2023~ May 03, 2023	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Apr. 04, 2023~ May 03, 2023	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, MY9838/4PE, 519228/2	30MHz~18G	Jun. 21, 2022	Apr. 04, 2023~ May 03, 2023	Jun. 20, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz~40GHz	Jan. 03, 2023	Apr. 04, 2023~ May 03, 2023	Jan. 02, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Apr. 04, 2023~ May 03, 2023	Mar. 06, 2024	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. 17, 2022	Apr. 03, 2023~ Apr. 12, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16100054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Apr. 03, 2023~ Apr. 12, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz (amp)	Aug. 03, 2022	Apr. 03, 2023~ Apr. 12, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 17, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Apr. 17, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Apr. 17, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2022	Apr. 17, 2023	Nov. 30, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Apr. 17, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 17, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Apr. 17, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Apr. 17, 2023	Dec. 28, 2023	Conduction (CO05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101104	10Hz~44GHz	Feb. 16, 2022	Apr. 28, 2023	Feb. 15, 2023	DFS (DF02-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.5 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.2 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2023/4/3~2023/4/11	Relative Humidity:	51~54	%

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

U-NII-3 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	17.63	17.23	28.02	25.44	16.40	16.40	0.5	Pass
11a	6Mbps	2	157	5785	17.58	17.13	27.30	26.52	16.45	16.45	0.5	Pass
11a	6Mbps	2	165	5825	17.73	17.03	26.34	25.14	16.45	16.40	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	16.90	17.10	20.01	30.00		5.00	Pass	
11a	6Mbps	2	157	5785	17.00	17.70	20.37	30.00		5.00	Pass	
11a	6Mbps	2	165	5825	16.80	17.50	20.17	30.00		5.00	Pass	
HT20	MCS0	2	149	5745	15.00	15.30	18.16	30.00		5.00	Pass	
HT20	MCS0	2	157	5785	15.00	15.70	18.37	30.00		5.00	Pass	
HT20	MCS0	2	165	5825	14.80	15.50	18.17	30.00		5.00	Pass	
HT40	MCS0	2	151	5755	15.10	15.30	18.21	30.00		5.00	Pass	
HT40	MCS0	2	159	5795	15.20	15.60	18.41	30.00		5.00	Pass	
VHT20	MCS0	2	149	5745	14.90	15.30	18.11	30.00		5.00	Pass	
VHT20	MCS0	2	157	5785	14.90	15.70	18.33	30.00		5.00	Pass	
VHT20	MCS0	2	165	5825	14.70	15.50	18.13	30.00		5.00	Pass	
VHT40	MCS0	2	151	5755	15.10	15.10	18.11	30.00		5.00	Pass	
VHT40	MCS0	2	159	5795	15.00	15.70	18.37	30.00		5.00	Pass	
VHT80	MCS0	2	155	5775	14.50	14.90	17.71	30.00		5.00	Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-3 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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	2.22		6.40	7.23	10.24	28.48		7.52		Pass
11a	6Mbps	2	157	5785	2.22		6.32	7.68	10.69	28.48		7.52		Pass
11a	6Mbps	2	165	5825	2.22		6.37	7.05	10.06	28.48		7.52		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)

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

U-NII-3 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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	19.13	19.13	23.10	22.44	19.00	18.60	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.13	19.08	22.50	22.80	18.75	16.65	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.08	19.08	22.80	24.00	19.15	18.65	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.76	37.76	39.60	39.72	35.28	35.73	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.76	37.66	39.72	39.60	36.09	35.28	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.72	76.84	80.88	80.88	75.52	75.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	15.10	15.40	18.26	30.00		5.00		Pass
HE20	MCS0	2	149	5745	26/0	8.00	7.40	10.72	30.00		5.00		Pass
HE20	MCS0	2	149	5745	52/37	11.20	11.10	14.16	30.00		5.00		Pass
HE20	MCS0	2	149	5745	106/53	14.50	14.70	17.61	30.00		5.00		Pass
HE20	MCS0	2	157	5785	Full	15.10	15.80	18.47	30.00		5.00		Pass
HE20	MCS0	2	157	5785	26/4	8.50	8.80	11.66	30.00		5.00		Pass
HE20	MCS0	2	157	5785	52/38	11.30	11.30	14.31	30.00		5.00		Pass
HE20	MCS0	2	157	5785	106/53	14.20	14.20	17.21	30.00		5.00		Pass
HE20	MCS0	2	165	5825	Full	14.90	15.60	18.27	30.00		5.00		Pass
HE20	MCS0	2	165	5825	26/8	7.60	7.90	10.76	30.00		5.00		Pass
HE20	MCS0	2	165	5825	52/40	11.10	11.50	14.31	30.00		5.00		Pass
HE20	MCS0	2	165	5825	106/54	14.50	15.10	17.82	30.00		5.00		Pass
HE40	MCS0	2	151	5755	Full	15.20	15.60	18.41	30.00		5.00		Pass
HE40	MCS0	2	151	5755	242/61	14.60	15.20	17.92	30.00		5.00		Pass
HE40	MCS0	2	159	5795	Full	15.30	16.10	18.73	30.00		5.00		Pass
HE40	MCS0	2	159	5795	242/62	13.10	13.70	16.42	30.00		5.00		Pass
HE80	MCS0	2	155	5775	Full	14.90	15.20	18.06	30.00		5.00		Pass
HE80	MCS0	2	155	5775	484/65	12.50	12.80	15.66	30.00		5.00		Pass
HE80	MCS0	2	155	5775	484/66	12.40	12.80	15.61	30.00		5.00		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	2.22	3.90	5.03	8.04	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	149	5745	26/0	2.22	3.87	4.70	7.71	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	149	5745	52/37	2.22	4.35	4.73	7.74	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	149	5745	106/53	2.22	4.41	4.69	7.70	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	157	5785	Full	2.22	4.04	5.25	8.26	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	157	5785	26/4	2.22	4.81	4.96	7.97	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	157	5785	52/38	2.22	4.52	4.71	7.72	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	157	5785	106/53	2.22	4.49	5.00	8.01	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	165	5825	Full	2.22	4.03	5.21	8.22	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	165	5825	26/8	2.22	4.19	4.63	7.64	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	165	5825	52/40	2.22	4.61	5.01	8.02	28.48	28.48	7.52	7.52	Pass	
HE20	MCS0	2	165	5825	106/54	2.22	4.42	4.95	7.96	28.48	28.48	7.52	7.52	Pass	
HE40	MCS0	2	151	5755	Full	2.22	1.94	3.16	6.17	28.48	28.48	7.52	7.52	Pass	
HE40	MCS0	2	151	5755	242/61	2.22	2.79	3.15	6.16	28.48	28.48	7.52	7.52	Pass	
HE40	MCS0	2	159	5795	Full	2.22	2.16	3.23	6.24	28.48	28.48	7.52	7.52	Pass	
HE40	MCS0	2	159	5795	242/62	2.22	1.98	2.79	5.80	28.48	28.48	7.52	7.52	Pass	
HE80	MCS0	2	155	5775	Full	2.22	-0.95	-0.93	2.08	28.48	28.48	7.52	7.52	Pass	
HE80	MCS0	2	155	5775	484/65	2.22	-1.32	-0.98	2.03	28.48	28.48	7.52	7.52	Pass	
HE80	MCS0	2	155	5775	484/66	2.22	-1.35	-1.12	1.89	28.48	28.48	7.52	7.52	Pass	

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)



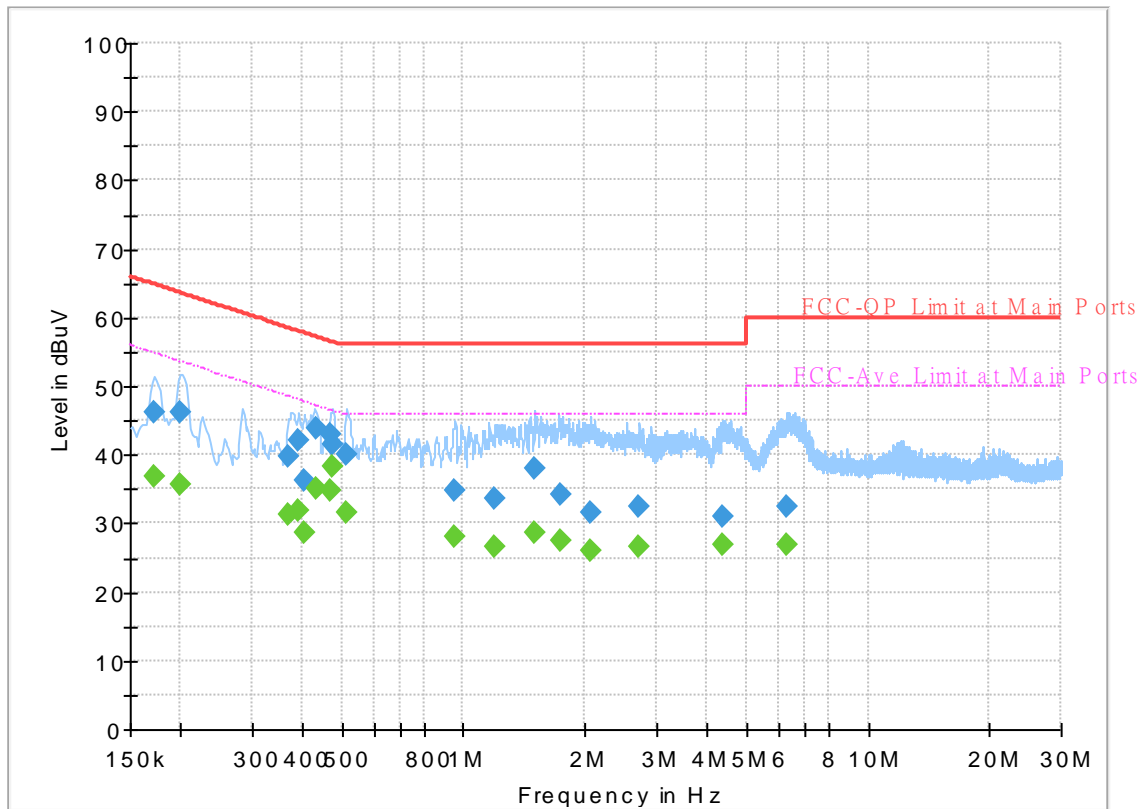
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 2N1818-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

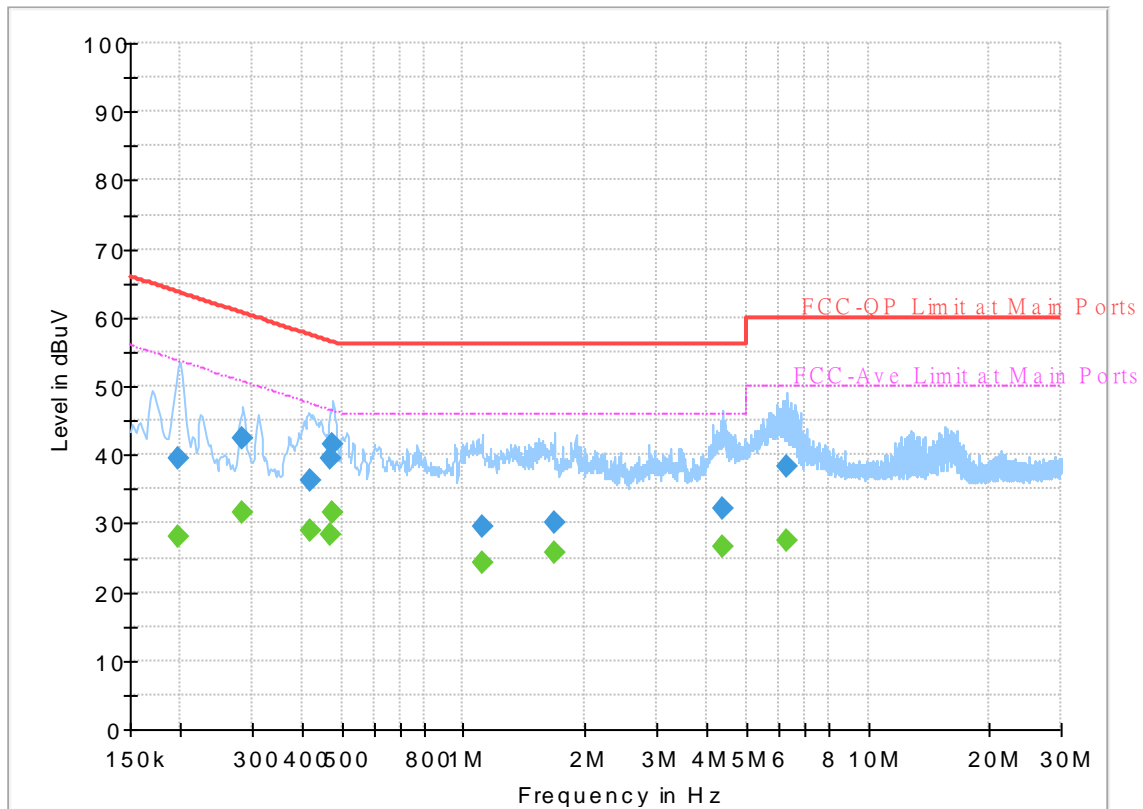
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	46.08	---	64.84	18.76	L1	OFF	19.9
0.172500	---	36.96	54.84	17.88	L1	OFF	19.9
0.199500	46.23	---	63.63	17.40	L1	OFF	19.9
0.199500	---	35.73	53.63	17.90	L1	OFF	19.9
0.370500	39.80	---	58.49	18.69	L1	OFF	19.9
0.370500	---	31.34	48.49	17.15	L1	OFF	19.9
0.388500	42.24	---	58.10	15.86	L1	OFF	19.9
0.388500	---	31.94	48.10	16.16	L1	OFF	19.9
0.404250	36.14	---	57.77	21.63	L1	OFF	19.9
0.404250	---	28.61	47.77	19.16	L1	OFF	19.9
0.431250	43.82	---	57.23	13.41	L1	OFF	19.9
0.431250	---	35.21	47.23	12.02	L1	OFF	19.9
0.469500	43.12	---	56.52	13.40	L1	OFF	19.9
0.469500	---	34.67	46.52	11.85	L1	OFF	19.9
0.476250	41.51	---	56.40	14.89	L1	OFF	19.9
0.476250	---	38.23	46.40	8.17	L1	OFF	19.9
0.514500	40.16	---	56.00	15.84	L1	OFF	19.9
0.514500	---	31.63	46.00	14.37	L1	OFF	19.9
0.953250	34.88	---	56.00	21.12	L1	OFF	19.9
0.953250	---	28.08	46.00	17.92	L1	OFF	19.9
1.196250	33.62	---	56.00	22.38	L1	OFF	19.9

1.196250	---	26.70	46.00	19.30	L1	OFF	19.9
1.500000	37.89	---	56.00	18.11	L1	OFF	19.9
1.500000	---	28.80	46.00	17.20	L1	OFF	19.9
1.731750	34.24	---	56.00	21.76	L1	OFF	19.9
1.731750	---	27.54	46.00	18.46	L1	OFF	19.9
2.058000	31.63	---	56.00	24.37	L1	OFF	19.9
2.058000	---	26.01	46.00	19.99	L1	OFF	19.9
2.721750	32.38	---	56.00	23.62	L1	OFF	19.9
2.721750	---	26.75	46.00	19.25	L1	OFF	19.9
4.362000	30.92	---	56.00	25.08	L1	OFF	20.0
4.362000	---	26.88	46.00	19.12	L1	OFF	20.0
6.315000	32.35	---	60.00	27.65	L1	OFF	20.1
6.315000	---	26.89	50.00	23.11	L1	OFF	20.1

EUT Information

Report NO : 2N1818-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.197250	39.36	---	63.73	24.37	N	OFF	19.9
0.197250	---	28.18	53.73	25.55	N	OFF	19.9
0.285000	42.40	---	60.67	18.27	N	OFF	19.9
0.285000	---	31.67	50.67	19.00	N	OFF	19.9
0.417750	36.28	---	57.49	21.21	N	OFF	19.9
0.417750	---	28.81	47.49	18.68	N	OFF	19.9
0.467250	39.61	---	56.56	16.95	N	OFF	19.9
0.467250	---	28.42	46.56	18.14	N	OFF	19.9
0.476250	41.41	---	56.40	14.99	N	OFF	19.9
0.476250	---	31.49	46.40	14.91	N	OFF	19.9
1.110750	29.60	---	56.00	26.40	N	OFF	19.9
1.110750	---	24.21	46.00	21.79	N	OFF	19.9
1.677750	30.10	---	56.00	25.90	N	OFF	19.9
1.677750	---	25.60	46.00	20.40	N	OFF	19.9
4.382250	32.06	---	56.00	23.94	N	OFF	20.0
4.382250	---	26.62	46.00	19.38	N	OFF	20.0
6.324000	38.41	---	60.00	21.59	N	OFF	20.1
6.324000	---	27.53	50.00	22.47	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	Temperature :	21~26°C
		Relative Humidity :	45~60%

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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5641.2	53.49	-14.71	68.2	47.43	33.08	9.54	36.56	100	237	P	H
		5698.2	60.21	-43.66	103.87	53.53	33.68	9.56	36.56	100	237	P	H
		5717.8	64.87	-45.31	110.18	58.04	33.81	9.57	36.55	100	237	P	H
		5725	73.85	-48.35	122.2	66.97	33.85	9.58	36.55	100	237	P	H
	*	5745	114.07	-	-	107.06	33.97	9.59	36.55	100	237	P	H
	*	5745	107.53	-	-	100.52	33.97	9.59	36.55	100	237	A	H
		5638.4	55.2	-13	68.2	49.14	33.08	9.54	36.56	100	295	P	V
		5700	61.76	-43.44	105.2	55.05	33.7	9.57	36.56	100	295	P	V
		5718.6	66.12	-44.29	110.41	59.29	33.81	9.57	36.55	100	295	P	V
		5724.4	76.1	-44.73	120.83	69.22	33.85	9.58	36.55	100	295	P	V
	*	5745	115.67	-	-	108.66	33.97	9.59	36.55	100	295	P	V
	*	5745	109.61	-	-	102.6	33.97	9.59	36.55	100	295	A	V



WIFI Ant. 0+1	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 157 5785MHz		5647	52.77	-15.43	68.2	46.7	33.09	9.54	36.56	100	237	P	H
		5697.8	54.49	-49.09	103.58	47.82	33.67	9.56	36.56	100	237	P	H
		5720	56.98	-53.82	110.8	50.14	33.82	9.57	36.55	100	237	P	H
		5724.6	57.94	-63.35	121.29	51.06	33.85	9.58	36.55	100	237	P	H
	*	5785	113.85	-	-	106.66	34.14	9.6	36.55	100	237	P	H
	*	5785	107.56	-	-	100.37	34.14	9.6	36.55	100	237	A	H
		5853.65	56.24	-57.64	113.88	48.89	34.21	9.68	36.54	100	237	P	H
		5855.085	56.07	-54.71	110.78	48.72	34.21	9.68	36.54	100	237	P	H
		5882.145	55.2	-44.69	99.89	47.75	34.26	9.72	36.53	100	237	P	H
		5942.825	53.06	-15.14	68.2	45.66	34.13	9.8	36.53	100	237	P	H
		5650	52.9	-15.3	68.2	46.82	33.1	9.54	36.56	100	294	P	V
		5699	56.65	-47.81	104.46	49.96	33.69	9.56	36.56	100	294	P	V
		5719.6	58.92	-51.77	110.69	52.08	33.82	9.57	36.55	100	294	P	V
		5722.4	59.37	-56.9	116.27	52.51	33.83	9.58	36.55	100	294	P	V
	*	5785	116.7	-	-	109.51	34.14	9.6	36.55	100	294	P	V
	*	5785	109.78	-	-	102.59	34.14	9.6	36.55	100	294	A	V
		5851.395	58.85	-60.17	119.02	51.51	34.2	9.68	36.54	100	294	P	V
		5856.93	58.76	-51.5	110.26	51.4	34.21	9.69	36.54	100	294	P	V
		5875.175	57.32	-47.75	105.07	49.89	34.25	9.71	36.53	100	294	P	V
	5928.475	54.29	-13.91	68.2	46.85	34.19	9.78	36.53	100	294	P	V	



WiFi Ant. 0+1	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	*	5825	115.08	-	-	107.78	34.2	9.64	36.54	100	237	P	H
	*	5825	107.7	-	-	100.4	34.2	9.64	36.54	100	237	A	H
		5851	66.58	-53.34	119.92	59.24	34.2	9.68	36.54	100	237	P	H
		5856.6	66.84	-43.51	110.35	59.48	34.21	9.69	36.54	100	237	P	H
		5876.6	62.27	-41.74	104.01	54.84	34.25	9.71	36.53	100	237	P	H
		5945	53.98	-14.22	68.2	46.58	34.12	9.81	36.53	100	237	P	H
	*	5825	115.48	-	-	108.18	34.2	9.64	36.54	114	293	P	V
	*	5825	109.73	-	-	102.43	34.2	9.64	36.54	114	293	A	V
		5854.4	68.15	-44.02	112.17	60.8	34.21	9.68	36.54	114	293	P	V
		5859.2	68.58	-41.04	109.62	61.21	34.22	9.69	36.54	114	293	P	V
		5878.4	62.78	-39.89	102.67	55.33	34.26	9.72	36.53	114	293	P	V
		5930.2	55.27	-12.93	68.2	47.83	34.18	9.79	36.53	114	293	P	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. 0+1	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 149 5745MHz		11490	52.09	-21.91	74	52.7	39	13.51	53.12	-	-	P	H
		11490	43.05	-10.95	54	43.66	39	13.51	53.12	-	-	A	H
		17235	50.58	-17.62	68.2	50.7	38	16.54	54.66	-	-	P	H
		11490	51.72	-22.28	74	52.33	39	13.51	53.12	-	-	P	V
		11490	42.82	-11.18	54	43.43	39	13.51	53.12	-	-	A	V
		17235	51.57	-16.63	68.2	51.69	38	16.54	54.66	-	-	P	V
802.11a CH 157 5785MHz		11570	50.57	-23.43	74	51.36	38.79	13.55	53.13	-	-	P	H
		11570	41.33	-12.67	54	42.12	38.79	13.55	53.13	-	-	A	H
		17355	51.17	-17.03	68.2	50.57	38.17	16.61	54.18	-	-	P	H
		11570	50.47	-23.53	74	51.26	38.79	13.55	53.13	-	-	P	V
		11570	41.28	-12.72	54	42.07	38.79	13.55	53.13	-	-	A	V
		17355	51.99	-16.21	68.2	51.39	38.17	16.61	54.18	-	-	P	V
802.11a CH 165 5825MHz		11650	50.55	-23.45	74	51.41	38.7	13.6	53.16	-	-	P	H
		11650	41.27	-12.73	54	42.13	38.7	13.6	53.16	-	-	A	H
		17475	50.9	-17.3	68.2	49.46	38.45	16.69	53.7	-	-	P	H
		11650	52.75	-21.25	74	53.61	38.7	13.6	53.16	-	-	P	V
		11650	41.48	-12.52	54	42.34	38.7	13.6	53.16	-	-	A	V
		17475	51.64	-16.56	68.2	50.2	38.45	16.69	53.7	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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)

Table with 14 columns: WIFI Ant. 0+1, 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). Rows include frequencies from 5645.2 to 5745 MHz with various level and margin values.



WIFI Ant. 0+1	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)
802.11ax HE20 Full CH 157 5785MHz		5617.8	51.42	-16.78	68.2	45.42	33.04	9.53	36.57	100	238	P	H
		5686	53.87	-41	94.87	47.34	33.53	9.56	36.56	100	238	P	H
		5718	54.93	-55.31	110.24	48.1	33.81	9.57	36.55	100	238	P	H
		5721	56.58	-56.5	113.08	49.73	33.83	9.57	36.55	100	238	P	H
	*	5785	110.83	-	-	103.64	34.14	9.6	36.55	100	238	P	H
	*	5785	104.17	-	-	96.98	34.14	9.6	36.55	100	238	A	H
		5851.395	54.65	-64.37	119.02	47.31	34.2	9.68	36.54	100	238	P	H
		5860.62	54.32	-54.9	109.22	46.95	34.22	9.69	36.54	100	238	P	H
		5887.885	53.6	-42.04	95.64	46.12	34.28	9.73	36.53	100	238	P	H
		5935.035	52.55	-15.65	68.2	45.13	34.16	9.79	36.53	100	238	P	H
		5646	52.47	-15.73	68.2	46.4	33.09	9.54	36.56	100	294	P	V
		5699	55.44	-49.02	104.46	48.75	33.69	9.56	36.56	100	294	P	V
		5717.8	57.76	-52.42	110.18	50.93	33.81	9.57	36.55	100	294	P	V
		5724.6	56.98	-64.31	121.29	50.1	33.85	9.58	36.55	100	294	P	V
	*	5785	115.41	-	-	108.22	34.14	9.6	36.55	100	294	P	V
	*	5785	106.72	-	-	99.53	34.14	9.6	36.55	100	294	A	V
		5854.47	56.87	-55.14	112.01	49.52	34.21	9.68	36.54	100	294	P	V
		5858.57	57.32	-52.48	109.8	49.95	34.22	9.69	36.54	100	294	P	V
	5875.585	55.65	-49.12	104.77	48.22	34.25	9.71	36.53	100	294	P	V	
	5925.81	53.24	-14.96	68.2	45.79	34.2	9.78	36.53	100	294	P	V	



WIFI Ant. 0+1	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)
802.11ax HE20 Full CH 165 5825MHz	*	5825	112.43	-	-	105.13	34.2	9.64	36.54	100	235	P	H
	*	5825	104.73	-	-	97.43	34.2	9.64	36.54	100	235	A	H
		5853.2	62.38	-52.52	114.9	55.03	34.21	9.68	36.54	100	235	P	H
		5863.2	62.51	-45.99	108.5	55.12	34.23	9.7	36.54	100	235	P	H
		5880.8	58.01	-42.88	100.89	50.56	34.26	9.72	36.53	100	235	P	H
		5926.8	53.18	-15.02	68.2	45.74	34.19	9.78	36.53	100	235	P	H
	*	5825	114.95	-	-	107.65	34.2	9.64	36.54	110	300	P	V
	*	5825	107.14	-	-	99.84	34.2	9.64	36.54	110	300	A	V
		5851.6	64.46	-54.09	118.55	57.12	34.2	9.68	36.54	110	300	P	V
		5859.6	64.01	-45.5	109.51	56.64	34.22	9.69	36.54	110	300	P	V
	5879.4	61.23	-40.7	101.93	53.78	34.26	9.72	36.53	110	300	P	V	
	5932.8	54.96	-13.24	68.2	47.53	34.17	9.79	36.53	110	300	P	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. 0+1	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)
802.11ax HE20 Full CH 149 5745MHz		11490	49.31	-24.69	74	49.92	39	13.51	53.12	-	-	P	H
		11490	39.68	-14.32	54	40.29	39	13.51	53.12	-	-	A	H
		17235	50.59	-17.61	68.2	50.71	38	16.54	54.66	-	-	P	H
		11490	50.49	-23.51	74	51.1	39	13.51	53.12	-	-	P	V
		11490	41.28	-12.72	54	41.89	39	13.51	53.12	-	-	A	V
		17235	50.42	-17.78	68.2	50.54	38	16.54	54.66	-	-	P	V
802.11ax HE20 Full CH 157 5785MHz		11570	50.46	-23.54	74	51.25	38.79	13.55	53.13	-	-	P	H
		11570	40.81	-13.19	54	41.6	38.79	13.55	53.13	-	-	A	H
		17355	51.74	-16.46	68.2	51.14	38.17	16.61	54.18	-	-	P	H
		11570	50.89	-23.11	74	51.68	38.79	13.55	53.13	-	-	P	V
		11570	41.51	-12.49	54	42.3	38.79	13.55	53.13	-	-	A	V
		17355	51.23	-16.97	68.2	50.63	38.17	16.61	54.18	-	-	P	V
802.11ax HE20 Full CH 165 5825MHz		11650	51.22	-22.78	74	52.08	38.7	13.6	53.16	-	-	P	H
		11650	42.34	-11.66	54	43.2	38.7	13.6	53.16	-	-	A	H
		17475	51.35	-16.85	68.2	49.91	38.45	16.69	53.7	-	-	P	H
		11650	50.89	-23.11	74	51.75	38.7	13.6	53.16	-	-	P	V
		11650	41.24	-12.76	54	42.1	38.7	13.6	53.16	-	-	A	V
		17475	51.52	-16.68	68.2	50.08	38.45	16.69	53.7	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 26 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5629	49.7	-18.5	68.2	43.67	33.06	9.53	36.56	100	353	P	H
		5678.6	50.31	-39.09	89.4	43.87	33.44	9.56	36.56	100	353	P	H
		5719.6	57.28	-53.41	110.69	50.44	33.82	9.57	36.55	100	353	P	H
		5725	66.88	-55.32	122.2	60	33.85	9.58	36.55	100	353	P	H
	*	5745	109.33	-	-	102.32	33.97	9.59	36.55	100	353	P	H
	*	5745	105.79	-	-	98.78	33.97	9.59	36.55	100	353	A	H
		5644.6	48.91	-19.29	68.2	42.84	33.09	9.54	36.56	353	17	P	V
		5694.6	49.59	-51.63	101.22	42.95	33.64	9.56	36.56	353	17	P	V
		5718.8	54.37	-56.09	110.46	47.54	33.81	9.57	36.55	353	17	P	V
		5725	65.22	-56.98	122.2	58.34	33.85	9.58	36.55	353	17	P	V
	*	5745	110.13	-	-	103.12	33.97	9.59	36.55	353	17	P	V
	*	5745	103.16	-	-	96.15	33.97	9.59	36.55	353	17	A	V
	802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	112.15	-	-	104.85	34.2	9.64	36.54	100	351	P
*		5825	106.15	-	-	98.85	34.2	9.64	36.54	100	351	A	H
		5850.4	62.94	-58.35	121.29	55.6	34.2	9.68	36.54	100	351	P	H
		5865.2	53.02	-54.92	107.94	45.63	34.23	9.7	36.54	100	351	P	H
		5883.4	52.91	-46.05	98.96	45.45	34.27	9.72	36.53	100	351	P	H
		5927.2	52.08	-16.12	68.2	44.64	34.19	9.78	36.53	100	351	P	H
*		5825	109.8	-	-	102.5	34.2	9.64	36.54	355	14	P	V
*		5825	103.53	-	-	96.23	34.2	9.64	36.54	355	14	A	V
		5850.4	55.47	-65.82	121.29	48.13	34.2	9.68	36.54	355	14	P	V
		5869.2	52.76	-54.06	106.82	45.36	34.24	9.7	36.54	355	14	P	V
	5897.2	49.88	-38.85	88.73	42.38	34.29	9.74	36.53	355	14	P	V	
	5937	49.37	-18.83	68.2	41.96	34.15	9.79	36.53	355	14	P	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 52 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5634.6	51.3	-16.9	68.2	45.25	33.07	9.54	36.56	100	351	P	H
		5677.4	53.2	-35.32	88.52	46.78	33.43	9.55	36.56	100	351	P	H
		5719.2	61.53	-49.05	110.58	54.69	33.82	9.57	36.55	100	351	P	H
		5725	72.68	-49.52	122.2	65.8	33.85	9.58	36.55	100	351	P	H
	*	5745	113.53	-	-	106.52	33.97	9.59	36.55	100	351	P	H
	*	5745	107.45	-	-	100.44	33.97	9.59	36.55	100	351	A	H
		5649	50.05	-18.15	68.2	43.97	33.1	9.54	36.56	346	17	P	V
		5694.2	50.15	-50.77	100.92	43.52	33.63	9.56	36.56	346	17	P	V
		5719.4	57.25	-53.38	110.63	50.41	33.82	9.57	36.55	346	17	P	V
		5725	71.38	-50.82	122.2	64.5	33.85	9.58	36.55	346	17	P	V
	*	5745	111.14	-	-	104.13	33.97	9.59	36.55	346	17	P	V
	*	5745	105.11	-	-	98.1	33.97	9.59	36.55	346	17	A	V
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	114.2	-	-	106.9	34.2	9.64	36.54	100	352	P	H
	*	5825	108.36	-	-	101.06	34.2	9.64	36.54	100	352	A	H
		5850.2	66.53	-55.21	121.74	59.19	34.2	9.68	36.54	100	352	P	H
		5861.8	56.28	-52.61	108.89	48.91	34.22	9.69	36.54	100	352	P	H
		5885.6	53.47	-43.86	97.33	46	34.27	9.73	36.53	100	352	P	H
		5934.6	51.31	-16.89	68.2	43.89	34.16	9.79	36.53	100	352	P	H
	*	5825	111.07	-	-	103.77	34.2	9.64	36.54	336	17	P	V
	*	5825	105.73	-	-	98.43	34.2	9.64	36.54	336	17	A	V
		5851	59.03	-60.89	119.92	51.69	34.2	9.68	36.54	336	17	P	V
		5856.6	52.13	-58.22	110.35	44.77	34.21	9.69	36.54	336	17	P	V
	5879.4	51.56	-50.37	101.93	44.11	34.26	9.72	36.53	336	17	P	V	
	5943	50.5	-17.7	68.2	43.1	34.13	9.8	36.53	336	17	P	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 106 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5635.8	52.98	-15.22	68.2	46.93	33.07	9.54	36.56	100	351	P	H
		5696.4	55.41	-47.14	102.55	48.75	33.66	9.56	36.56	100	351	P	H
		5719.4	63.25	-47.38	110.63	56.41	33.82	9.57	36.55	100	351	P	H
		5724.8	77.62	-44.12	121.74	70.74	33.85	9.58	36.55	100	351	P	H
	*	5745	115.28	-	-	108.27	33.97	9.59	36.55	100	351	P	H
	*	5745	108.47	-	-	101.46	33.97	9.59	36.55	100	351	A	H
		5644.6	51.88	-16.32	68.2	45.81	33.09	9.54	36.56	350	18	P	V
		5695	53.89	-47.62	101.51	47.25	33.64	9.56	36.56	350	18	P	V
		5719.4	61.35	-49.28	110.63	54.51	33.82	9.57	36.55	350	18	P	V
		5725	75.26	-46.94	122.2	68.38	33.85	9.58	36.55	350	18	P	V
	*	5745	111.79	-	-	104.78	33.97	9.59	36.55	350	18	P	V
	*	5745	105.96	-	-	98.95	33.97	9.59	36.55	350	18	A	V
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	114.77	-	-	107.47	34.2	9.64	36.54	100	352	P	H
	*	5825	108.22	-	-	100.92	34.2	9.64	36.54	100	352	A	H
		5853	63.36	-52	115.36	56.01	34.21	9.68	36.54	100	352	P	H
		5857	61.72	-48.52	110.24	54.36	34.21	9.69	36.54	100	352	P	H
		5875.6	55.98	-48.77	104.75	48.55	34.25	9.71	36.53	100	352	P	H
		5943.6	54.29	-13.91	68.2	46.89	34.13	9.8	36.53	100	352	P	H
	*	5825	112.65	-	-	105.35	34.2	9.64	36.54	377	15	P	V
	*	5825	105.48	-	-	98.18	34.2	9.64	36.54	377	15	A	V
		5850.4	61.07	-60.22	121.29	53.73	34.2	9.68	36.54	377	15	P	V
		5859.4	58.1	-51.47	109.57	50.73	34.22	9.69	36.54	377	15	P	V
	5876.6	53.65	-50.36	104.01	46.22	34.25	9.71	36.53	377	15	P	V	
	5934.6	52.46	-15.74	68.2	45.04	34.16	9.79	36.53	377	15	P	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. 0+1	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)
802.11ax HE40 Full CH 151 5755MHz		5631.39	57.6	-10.6	68.2	51.57	33.06	9.53	36.56	100	291	P	V
		5694.17	64.77	-36.13	100.9	58.14	33.63	9.56	36.56	100	291	P	V
		5719.325	68.83	-41.78	110.61	61.99	33.82	9.57	36.55	100	291	P	V
		5721.69	72.71	-41.94	114.65	65.86	33.83	9.57	36.55	100	291	P	V
	*	5755	111.93	-	-	104.87	34.02	9.59	36.55	100	291	P	V
	*	5755	104.83	-	-	97.77	34.02	9.59	36.55	100	291	A	V
		5854.825	63.04	-48.16	111.2	55.69	34.21	9.68	36.54	100	291	P	V
		5856.85	61.76	-48.52	110.28	54.4	34.21	9.69	36.54	100	291	P	V
		5884.3	57.41	-40.88	98.29	49.95	34.27	9.72	36.53	100	291	P	V
		5928.4	54.47	-13.73	68.2	47.03	34.19	9.78	36.53	100	291	P	V
		5643.43	52.79	-15.41	68.2	46.72	33.09	9.54	36.56	100	238	P	H
		5698.47	61.67	-42.4	104.07	54.99	33.68	9.56	36.56	100	238	P	H
		5715.24	67.89	-41.58	109.47	61.08	33.79	9.57	36.55	100	238	P	H
		5723.41	70.79	-47.79	118.58	63.92	33.84	9.58	36.55	100	238	P	H
	*	5755	110.47	-	-	103.41	34.02	9.59	36.55	100	238	P	H
	*	5755	103.78	-	-	96.72	34.02	9.59	36.55	100	238	A	H
		5851.225	60.57	-58.84	119.41	53.23	34.2	9.68	36.54	100	238	P	H
		5855.95	59.71	-50.82	110.53	52.35	34.21	9.69	36.54	100	238	P	H
		5877.55	55.85	-47.46	103.31	48.41	34.26	9.71	36.53	100	238	P	H
		5928.4	52.36	-15.84	68.2	44.92	34.19	9.78	36.53	100	238	P	H



WIFI Ant. 0+1	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)
802.11ax HE40 Full CH 159 5795MHz		5644.72	51.51	-16.69	68.2	45.44	33.09	9.54	36.56	100	237	P	H
		5698.47	53.82	-50.25	104.07	47.14	33.68	9.56	36.56	100	237	P	H
		5711.37	56.6	-51.79	108.39	49.81	33.77	9.57	36.55	100	237	P	H
		5721.905	57.99	-57.15	115.14	51.14	33.83	9.57	36.55	100	237	P	H
	*	5795	109.83	-	-	102.58	34.18	9.61	36.54	100	237	P	H
	*	5795	103.23	-	-	95.98	34.18	9.61	36.54	100	237	A	H
		5854.15	58.28	-54.46	112.74	50.93	34.21	9.68	36.54	100	237	P	H
		5856.4	58.35	-52.06	110.41	50.99	34.21	9.69	36.54	100	237	P	H
		5884.75	56.31	-41.65	97.96	48.85	34.27	9.72	36.53	100	237	P	H
		5946.4	53.17	-15.03	68.2	45.78	34.11	9.81	36.53	100	237	P	H
		5635.905	52.87	-15.33	68.2	46.82	33.07	9.54	36.56	100	302	P	V
		5697.825	55.56	-48.04	103.6	48.89	33.67	9.56	36.56	100	302	P	V
		5717.82	57.85	-52.34	110.19	51.02	33.81	9.57	36.55	100	302	P	V
		5720.4	57.6	-54.11	111.71	50.76	33.82	9.57	36.55	100	302	P	V
	*	5795	111.51	-	-	104.26	34.18	9.61	36.54	100	302	P	V
	*	5795	105.17	-	-	97.92	34.18	9.61	36.54	100	302	A	V
		5851	60.98	-58.94	119.92	53.64	34.2	9.68	36.54	100	302	P	V
		5862.475	61.22	-47.48	108.7	53.85	34.22	9.69	36.54	100	302	P	V
		5876.425	57.9	-46.24	104.14	50.47	34.25	9.71	36.53	100	302	P	V
	5929.975	56.58	-11.62	68.2	49.14	34.18	9.79	36.53	100	302	P	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. 0+1	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)
802.11ax HE40 Full CH 151 5755MHz		11510	49.56	-24.44	74	50.17	38.97	13.52	53.1	-	-	P	H
		11510	40.28	-13.72	54	40.89	38.97	13.52	53.1	-	-	A	H
		17265	51.24	-16.96	68.2	51.23	38	16.55	54.54	-	-	P	H
		11510	50.96	-23.04	74	51.57	38.97	13.52	53.1	-	-	P	V
		11510	41.68	-12.32	54	42.29	38.97	13.52	53.1	-	-	A	V
		17265	50.92	-17.28	68.2	50.91	38	16.55	54.54	-	-	P	V
802.11ax HE40 Full CH 159 5795MHz		11590	50.96	-23.04	74	51.8	38.73	13.57	53.14	-	-	P	H
		11590	41.66	-12.34	54	42.5	38.73	13.57	53.14	-	-	A	H
		17385	51.08	-17.12	68.2	50.25	38.26	16.63	54.06	-	-	P	H
		11590	50.4	-23.6	74	51.24	38.73	13.57	53.14	-	-	P	V
		11590	40.96	-13.04	54	41.8	38.73	13.57	53.14	-	-	A	V
		17385	50.93	-17.27	68.2	50.1	38.26	16.63	54.06	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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. 0+1	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)
802.11ax HE40 Partial 242/61 CH 151 5755MHz		5638.485	52.85	-15.35	68.2	46.79	33.08	9.54	36.56	100	353	P	H
		5688.795	57.34	-39.6	96.94	50.77	33.57	9.56	36.56	100	353	P	H
		5718.68	63.55	-46.88	110.43	56.72	33.81	9.57	36.55	100	353	P	H
		5722.765	66.92	-50.19	117.11	60.05	33.84	9.58	36.55	100	353	P	H
	*	5755	110.59	-	-	103.53	34.02	9.59	36.55	100	353	P	H
	*	5755	105.96	-	-	98.9	34.02	9.59	36.55	100	353	A	H
		5851	53.5	-66.42	119.92	46.16	34.2	9.68	36.54	100	353	P	H
		5862.475	54.98	-53.72	108.7	47.61	34.22	9.69	36.54	100	353	P	H
		5915.125	52.69	-22.79	75.48	45.21	34.24	9.77	36.53	100	353	P	H
		5940.775	50.89	-17.31	68.2	43.48	34.14	9.8	36.53	100	353	P	H
		5647.515	51.42	-16.78	68.2	45.34	33.1	9.54	36.56	347	11	P	V
		5687.29	52.61	-43.22	95.83	46.06	33.55	9.56	36.56	347	11	P	V
		5716.745	58.59	-51.3	109.89	51.77	33.8	9.57	36.55	347	11	P	V
		5723.625	67.82	-51.25	119.07	60.95	33.84	9.58	36.55	347	11	P	V
	*	5755	109.5	-	-	102.44	34.02	9.59	36.55	347	11	P	V
	*	5755	103.8	-	-	96.74	34.02	9.59	36.55	347	11	A	V
		5854.375	51.44	-60.78	112.22	44.09	34.21	9.68	36.54	347	11	P	V
		5864.275	51.48	-56.72	108.2	44.09	34.23	9.7	36.54	347	11	P	V
	5884.3	51.86	-46.43	98.29	44.4	34.27	9.72	36.53	347	11	P	V	
	5934.25	49.32	-18.88	68.2	41.9	34.16	9.79	36.53	347	11	P	V	



WiFi Ant. 0+1	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)
802.11ax HE40 Partial 242/62 CH 159 5795MHz		5627.305	51.49	-16.71	68.2	45.47	33.05	9.53	36.56	100	352	P	H
		5664.93	52.55	-26.73	79.28	46.28	33.28	9.55	36.56	100	352	P	H
		5717.605	53.49	-56.64	110.13	46.66	33.81	9.57	36.55	100	352	P	H
		5724.27	52.93	-67.61	120.54	46.05	33.85	9.58	36.55	100	352	P	H
	*	5795	110.66	-	-	103.41	34.18	9.61	36.54	100	352	P	H
	*	5795	104.39	-	-	97.14	34.18	9.61	36.54	100	352	A	H
		5854.15	53.84	-58.9	112.74	46.49	34.21	9.68	36.54	100	352	P	H
		5858.875	55.2	-54.51	109.71	47.83	34.22	9.69	36.54	100	352	P	H
		5875.975	54.52	-49.96	104.48	47.09	34.25	9.71	36.53	100	352	P	H
		5925.025	53.4	-14.8	68.2	45.95	34.2	9.78	36.53	100	352	P	H
		5638.915	49.83	-18.37	68.2	43.77	33.08	9.54	36.56	345	3	P	V
		5689.44	49.8	-47.61	97.41	43.23	33.57	9.56	36.56	345	3	P	V
		5715.025	50.01	-59.4	109.41	43.2	33.79	9.57	36.55	345	3	P	V
		5723.41	50.96	-67.62	118.58	44.09	33.84	9.58	36.55	345	3	P	V
	*	5795	107.26	-	-	100.01	34.18	9.61	36.54	345	3	P	V
	*	5795	102.11	-	-	94.86	34.18	9.61	36.54	345	3	A	V
		5850.1	52.33	-69.64	121.97	44.99	34.2	9.68	36.54	345	3	P	V
		5855.5	52.73	-57.93	110.66	45.38	34.21	9.68	36.54	345	3	P	V
	5903.65	51.81	-32.15	83.96	44.3	34.29	9.75	36.53	345	3	P	V	
	5937.85	50.62	-17.58	68.2	43.2	34.15	9.8	36.53	345	3	P	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. 0+1	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)
802.11ax HE80 Full CH 155 5775MHz		5648.375	55.04	-13.16	68.2	48.96	33.1	9.54	36.56	100	235	P	H
		5696.75	60.33	-42.47	102.8	53.67	33.66	9.56	36.56	100	235	P	H
		5718.575	62.64	-47.76	110.4	55.81	33.81	9.57	36.55	100	235	P	H
		5725.1	64.65	-69.55	134.2	57.77	33.85	9.58	36.55	100	235	P	H
	*	5775	105.6	-	-	98.45	34.1	9.6	36.55	100	235	P	H
	*	5775	98.3	-	-	91.15	34.1	9.6	36.55	100	235	A	H
		5850.775	63.16	-57.27	120.43	55.82	34.2	9.68	36.54	100	235	P	H
		5868.55	62.08	-44.92	107	54.68	34.24	9.7	36.54	100	235	P	H
		5878.675	59.24	-43.23	102.47	51.79	34.26	9.72	36.53	100	235	P	H
		5925.7	53.23	-14.97	68.2	45.78	34.2	9.78	36.53	100	235	P	H
		5647.025	55.75	-12.45	68.2	49.68	33.09	9.54	36.56	100	291	P	V
		5699.225	61.41	-43.22	104.63	54.72	33.69	9.56	36.56	100	291	P	V
		5719.475	65.6	-45.05	110.65	58.76	33.82	9.57	36.55	100	291	P	V
		5724.65	67.17	-54.23	121.4	60.29	33.85	9.58	36.55	100	291	P	V
	*	5775	108.51	-	-	101.36	34.1	9.6	36.55	100	291	P	V
	*	5775	100.64	-	-	93.49	34.1	9.6	36.55	100	291	A	V
		5851.9	65.34	-52.53	117.87	58	34.2	9.68	36.54	100	291	P	V
		5858.65	64.71	-45.07	109.78	57.34	34.22	9.69	36.54	100	291	P	V
		5879.125	60.98	-41.16	102.14	53.53	34.26	9.72	36.53	100	291	P	V
		5926.6	53.96	-14.24	68.2	46.52	34.19	9.78	36.53	100	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
802.11ax HE80 Full CH 155 5775MHz		11550	50.21	-23.79	74	50.94	38.85	13.54	53.12	-	-	P	H
		11550	40.87	-13.13	54	41.6	38.85	13.54	53.12	-	-	A	H
		17325	50.44	-17.76	68.2	50.06	38.08	16.6	54.3	-	-	P	H
		11550	50.35	-23.65	74	51.08	38.85	13.54	53.12	-	-	P	V
		11550	41.47	-12.53	54	42.2	38.85	13.54	53.12	-	-	A	V
		17325	51.48	-16.72	68.2	51.1	38.08	16.6	54.3	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 HE80_Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
802.11ax HE80 Partial 484/65 CH 155 5775MHz		5638.925	52.96	-15.24	68.2	46.9	33.08	9.54	36.56	100	353	P	H
		5699.9	56.09	-49.04	105.13	49.39	33.7	9.56	36.56	100	353	P	H
		5719.25	62	-48.59	110.59	55.16	33.82	9.57	36.55	100	353	P	H
		5724.65	62.07	-59.33	121.4	55.19	33.85	9.58	36.55	100	353	P	H
	*	5775	106.3	-	-	99.15	34.1	9.6	36.55	100	353	P	H
	*	5775	101.65	-	-	94.5	34.1	9.6	36.55	100	353	A	H
		5850.775	54.88	-65.55	120.43	47.54	34.2	9.68	36.54	100	353	P	H
		5856.625	55.79	-54.55	110.34	48.43	34.21	9.69	36.54	100	353	P	H
		5881.15	53.08	-47.55	100.63	45.63	34.26	9.72	36.53	100	353	P	H
		5931.325	51.64	-16.56	68.2	44.21	34.17	9.79	36.53	100	353	P	H
		5647.475	51.09	-17.11	68.2	45.02	33.09	9.54	36.56	362	4	P	V
		5698.1	54.36	-49.44	103.8	47.68	33.68	9.56	36.56	362	4	P	V
		5717.45	59.14	-50.95	110.09	52.32	33.8	9.57	36.55	362	4	P	V
		5721.275	58.24	-55.47	113.71	51.39	33.83	9.57	36.55	362	4	P	V
	*	5775	103.75	-	-	96.6	34.1	9.6	36.55	362	4	P	V
	*	5775	98.12	-	-	90.97	34.1	9.6	36.55	362	4	A	V
		5855.05	51.44	-59.35	110.79	44.09	34.21	9.68	36.54	362	4	P	V
		5856.175	51.82	-58.65	110.47	44.46	34.21	9.69	36.54	362	4	P	V
	5879.8	50.78	-50.85	101.63	43.33	34.26	9.72	36.53	362	4	P	V	
	5931.1	50.57	-17.63	68.2	43.13	34.18	9.79	36.53	362	4	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WiFi Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	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)
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5649.95	51.94	-16.26	68.2	45.86	33.1	9.54	36.56	100	352	P	H
		5691.125	57.53	-41.13	98.66	50.94	33.59	9.56	36.56	100	352	P	H
		5717.45	57.56	-52.53	110.09	50.74	33.8	9.57	36.55	100	352	P	H
		5720.15	57.29	-53.85	111.14	50.45	33.82	9.57	36.55	100	352	P	H
	*	5775	108.35	-	-	101.2	34.1	9.6	36.55	100	352	P	H
	*	5775	101.48	-	-	94.33	34.1	9.6	36.55	100	352	A	H
		5850.325	57.15	-64.31	121.46	49.81	34.2	9.68	36.54	100	352	P	H
		5857.075	56.75	-53.47	110.22	49.39	34.21	9.69	36.54	100	352	P	H
		5881.825	53.7	-46.43	100.13	46.25	34.26	9.72	36.53	100	352	P	H
		5934.7	51.28	-16.92	68.2	43.86	34.16	9.79	36.53	100	352	P	H
		5640.725	50.38	-17.82	68.2	44.32	33.08	9.54	36.56	374	7	P	V
		5696.3	54.33	-48.14	102.47	47.67	33.66	9.56	36.56	374	7	P	V
		5717.675	55.7	-54.45	110.15	48.87	33.81	9.57	36.55	374	7	P	V
		5721.05	55.35	-57.84	113.19	48.5	33.83	9.57	36.55	374	7	P	V
	*	5775	105.21	-	-	98.06	34.1	9.6	36.55	374	7	P	V
	*	5775	98.53	-	-	91.38	34.1	9.6	36.55	374	7	A	V
		5851.9	54.98	-62.89	117.87	47.64	34.2	9.68	36.54	374	7	P	V
		5858.425	54.59	-55.25	109.84	47.22	34.22	9.69	36.54	374	7	P	V
	5882.95	50.72	-48.58	99.3	43.26	34.27	9.72	36.53	374	7	P	V	
	5934.7	50.93	-17.27	68.2	43.51	34.16	9.79	36.53	374	7	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

5GHz WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax		39973	47.03	-26.97	74	58.79	44.37	9.24	55.83	-	-	P	H
HE40 Full		40000	47.09	-26.91	74	58.77	44.4	9.26	55.8	-	-	P	V
SHF													
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Emission below 1GHz

5GHz WIFI 802.11ax HE40 Full (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		87.42	23.76	-16.24	40	40.61	14.41	1.15	32.41	-	-	P	H
		181.56	26.73	-16.77	43.5	42.34	15.01	1.78	32.4	-	-	P	H
		220.8	33.19	-12.81	46	48.42	15.3	1.86	32.39	-	-	P	H
		592.8	32.16	-13.84	46	35.87	25.75	2.97	32.43	-	-	P	H
		733.6	35.89	-10.11	46	37.37	27.49	3.28	32.25	-	-	P	H
		896	38.29	-7.71	46	37.33	28.77	3.68	31.49	-	-	P	H
		30.54	32.26	-7.74	40	39.71	24.29	0.65	32.39	-	-	P	V
		49.62	32.19	-7.81	40	49.19	14.57	0.89	32.46	-	-	P	V
		61.14	32.07	-7.93	40	51.84	11.72	0.94	32.43	-	-	P	V
		74.1	29.63	-10.37	40	48.25	12.72	1.07	32.41	-	-	P	V
		568.8	32.38	-13.62	46	35.81	26.09	2.92	32.44	-	-	P	V
		896	35.77	-10.23	46	34.81	28.77	3.68	31.49	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. 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 Margin line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		11213	48.14	-25.86	74	59.06	39.72	17.65	68.29	-	-	P	H
CH 149		11213	37.67	-16.33	54	48.59	39.72	17.65	68.29	-	-	A	H
5745MHz													

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

For Peak Limit @ 11213MHz:

1. Level(dBμV/m)
 - = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 - = 39.72(dB/m) + 17.65(dB) + 59.06(dBμV) – 68.29 (dB)
 - = 48.14 (dBμV/m)
2. Margin(dB)
 - = Level(dBμV/m) – Limit Line(dBμV/m)
 - = 48.14(dBμV/m) – 74(dBμV/m)
 - = -25.86(dB)

For Average Limit @ 11213MHz:

1. Level(dBμV/m)
 - = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 - = 39.72(dB/m) + 17.65(dB) + 48.59(dBμV) – 68.29 (dB)
 - = 37.67 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 - = 37.67(dBμV/m) – 54(dBμV/m)
 - = -16.33(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	Temperature :	21~26°C
		Relative Humidity :	45~60%



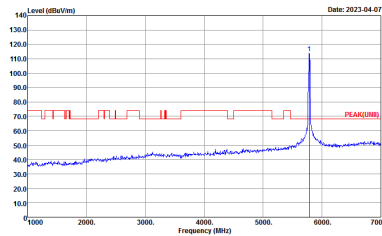
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Date: 2023-04-07 PEAK_REF(84)_16.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2023-04-07 PEAK(UNIT)</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-04-07 AVG_54</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

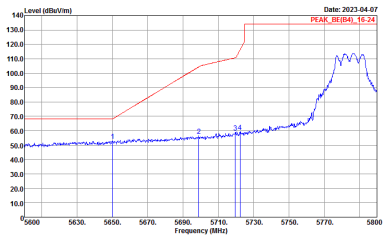
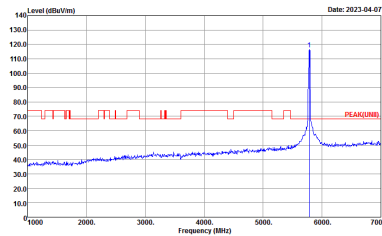
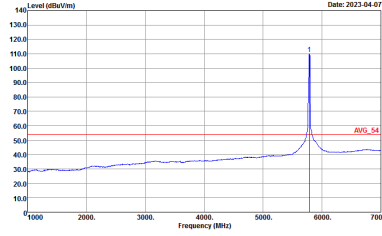


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

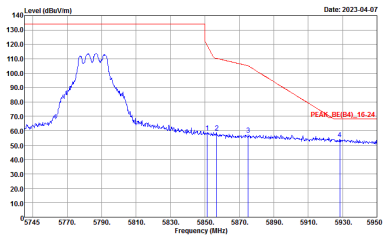


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_001_16-24 3m 91200_02294_220623 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2023-04-07 PEAK_BE(B4)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-04-07 PEAK(LINE)</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-04-07 AVG_54</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>

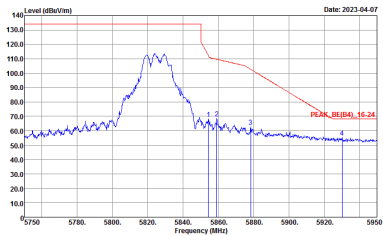
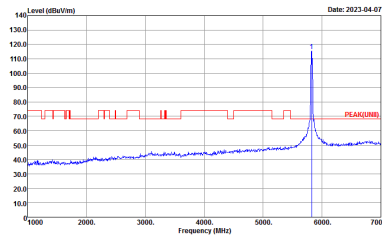
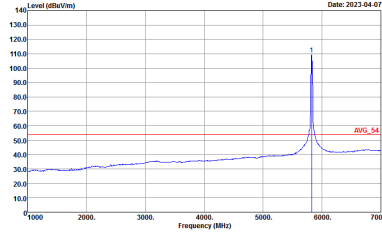


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



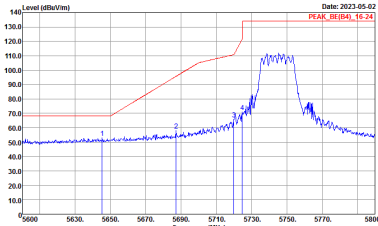
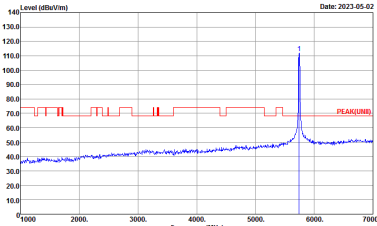
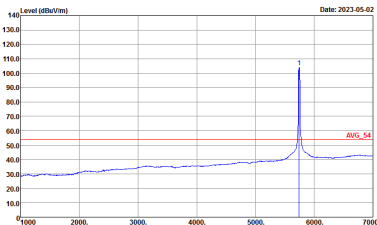
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Date: 2023-04-07</p> <p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-07</p> <p>Site : 03CH15-HY Condition : PEAK(LINE3) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-04-07</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_B0(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE)3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



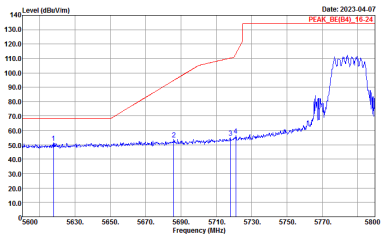
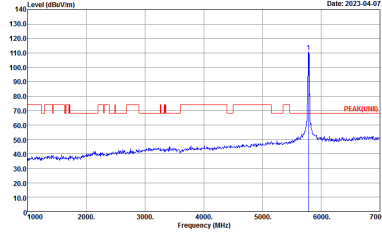
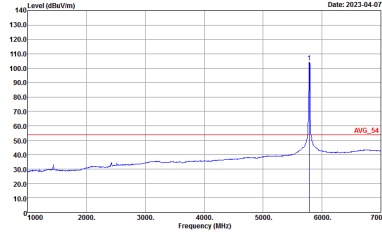
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNB) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2023-05-02 PEAK_BE(B4)_15-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-05-02 PEAK(FUN)</p> <p>Site : 03CH15-HY Condition : PEAK(FUN) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-05-02 AVG_S4</p> <p>Site : 03CH15-HY Condition : AVG_S4 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

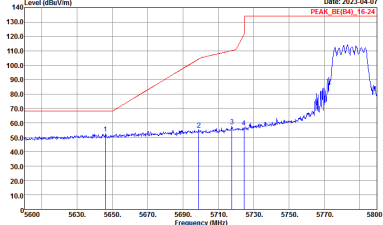
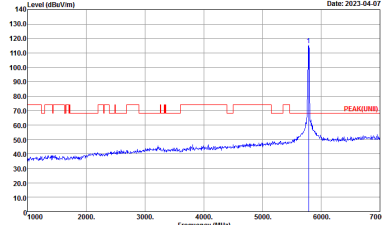
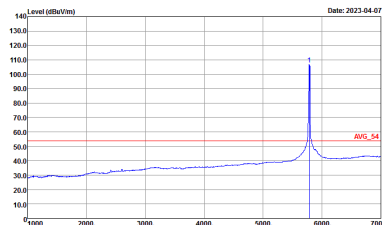


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 HORIZONTAL</p>	Left blank

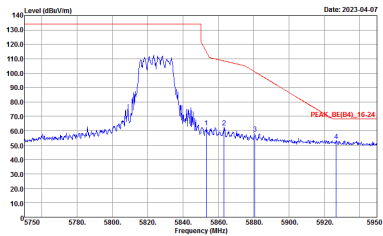
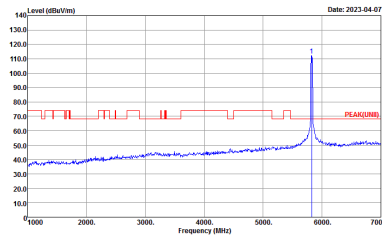
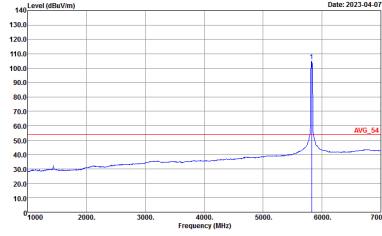


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(U)80 3m 91200_02294_220623 VERTICAL</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>

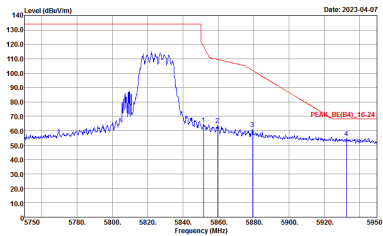
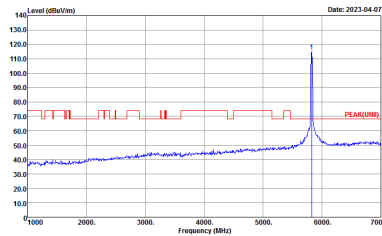
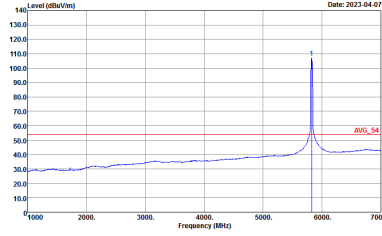


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HV Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 VERTICAL</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_03(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BU(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	<p align="center">Left blank</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	

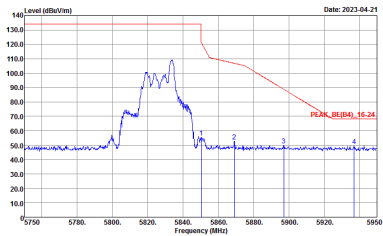
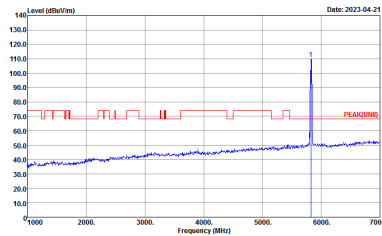


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



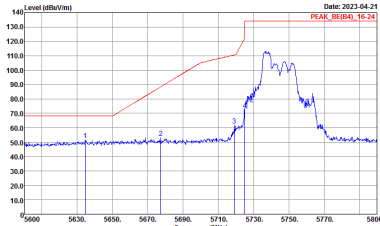
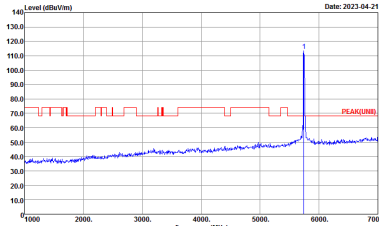
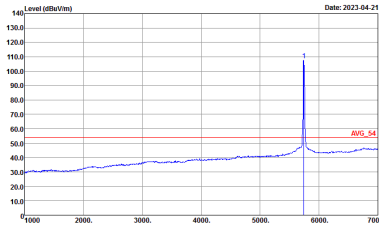
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



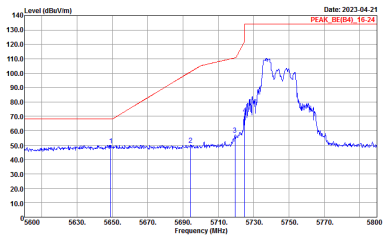
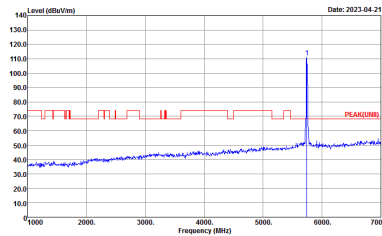
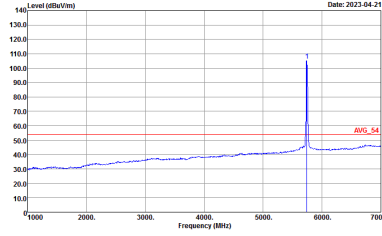
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BI(B4)_16-24 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LIN)3 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_S4 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



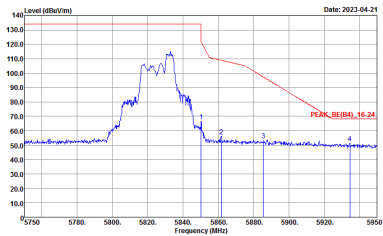
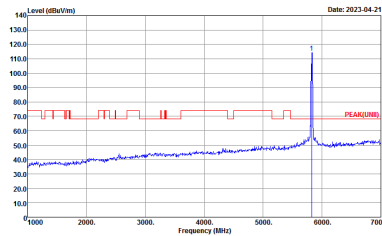
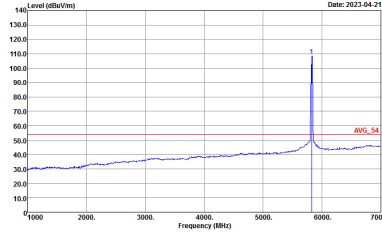
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



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	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2023-04-21 PEAK_BE(B4)_15-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-21 PEAK(FUN)</p> <p>Site : 03CH15-HY Condition : PEAK(FUN) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-04-21 AVG_54</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



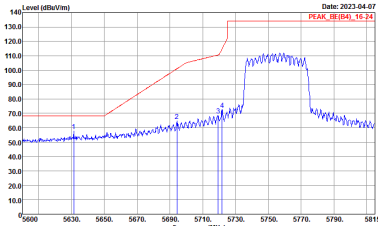
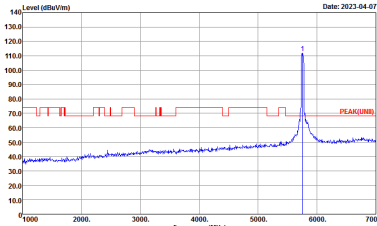
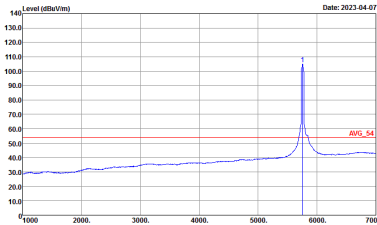
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BI(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINB) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



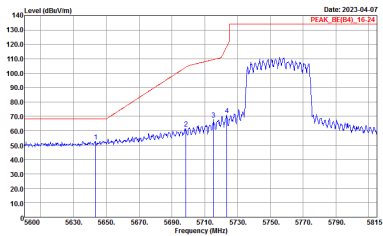
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_86.041_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

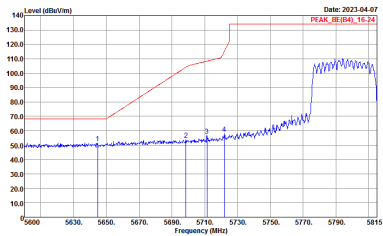
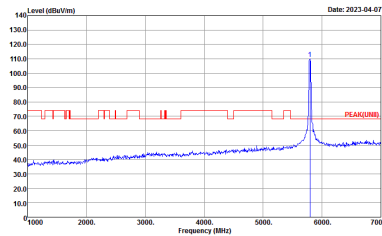
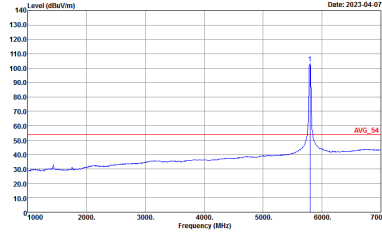


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

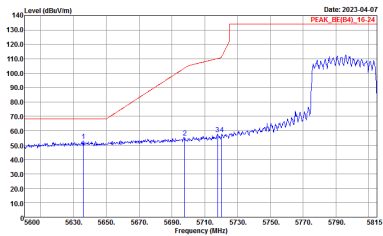
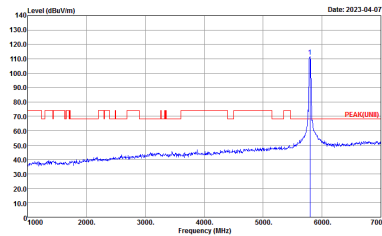
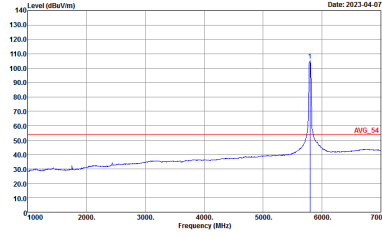


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06[94]_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE)3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



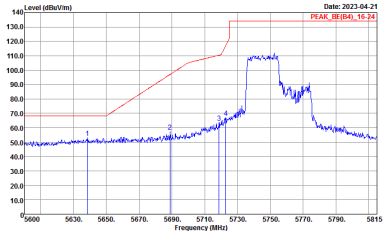
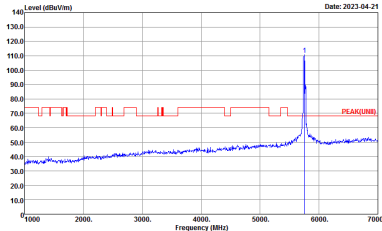
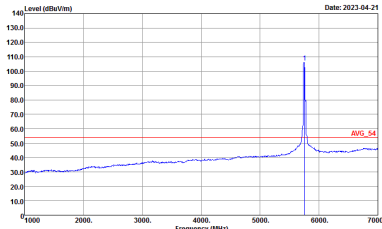
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_REF(84)_15-24 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UM) 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	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	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

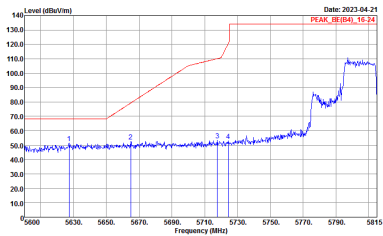
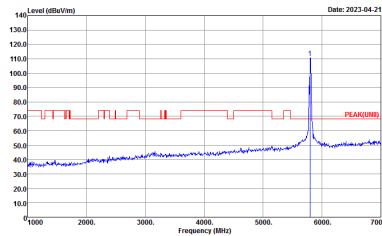
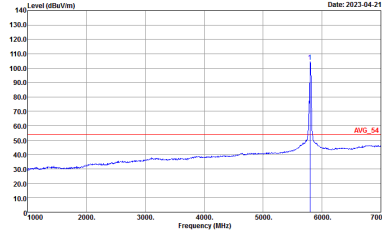


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_REF(64)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

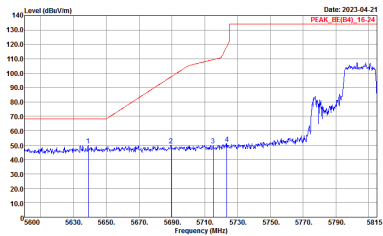
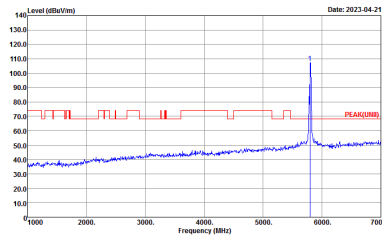
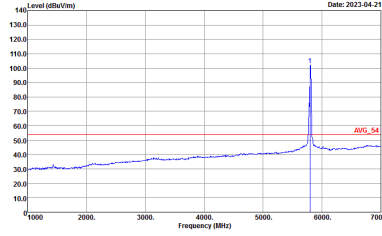


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06[94]_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_06(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_5795_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



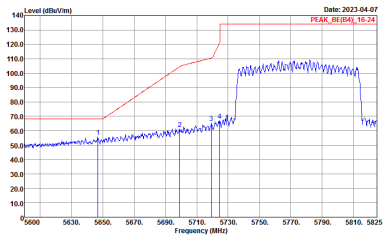
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



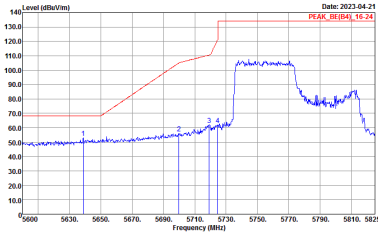
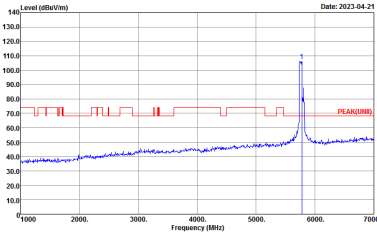
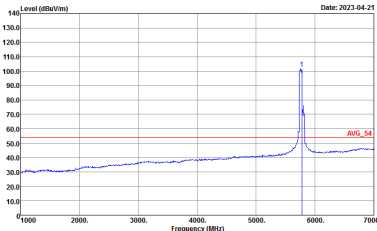
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE)3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



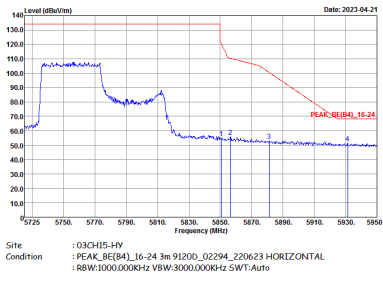
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



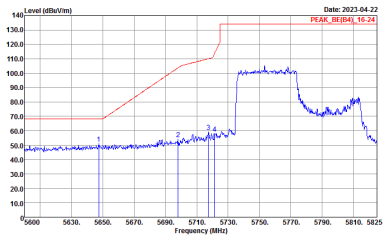
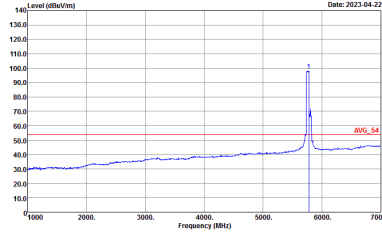
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 09CH15-HV Condition : PEAK_SC(94)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

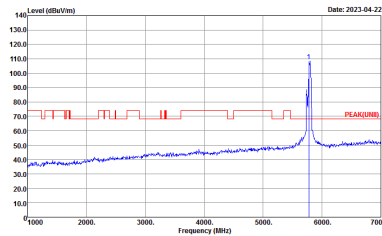
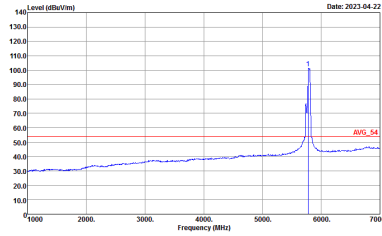


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINB) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

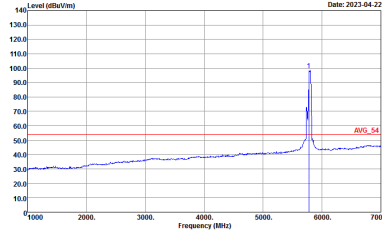


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINB) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



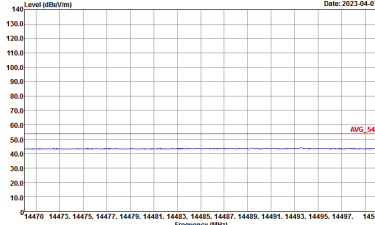
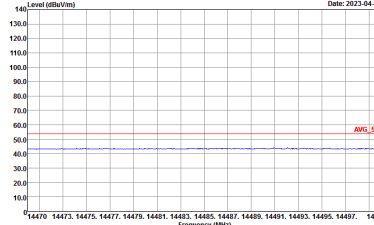
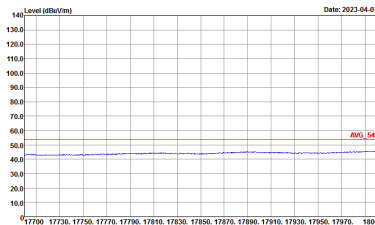
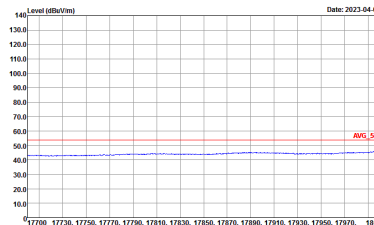
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 09CH15-HV Condition : PEAK_SE(94)_16-24 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL</p>

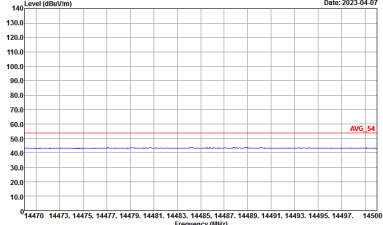
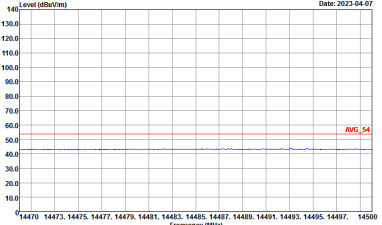
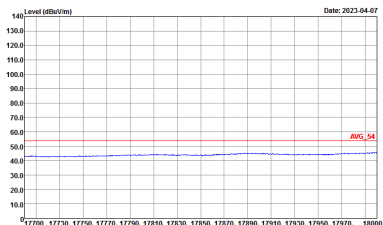
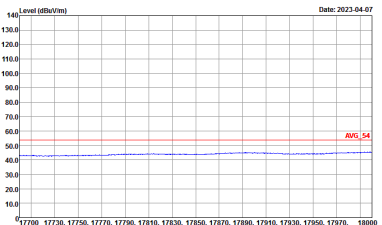


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120b_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120b_02294_220623 VERTICAL</p>
Avg.		



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL</p>



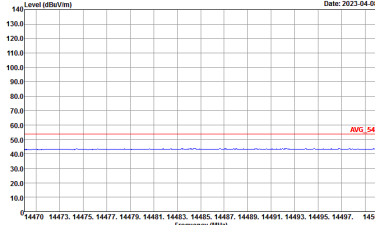
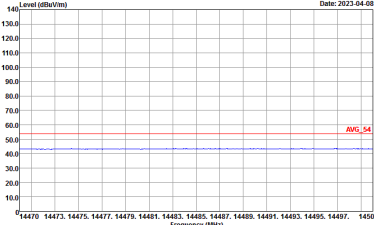
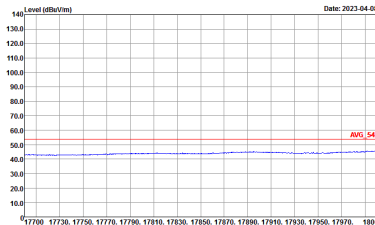
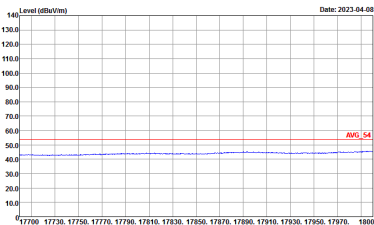
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL</p>

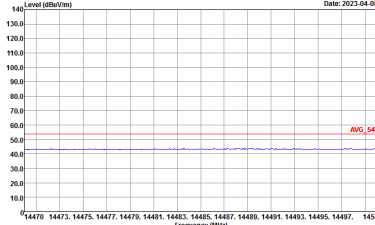
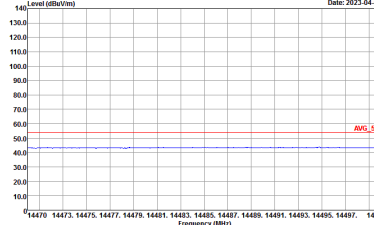
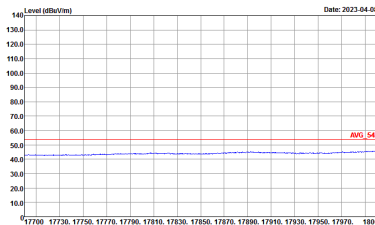
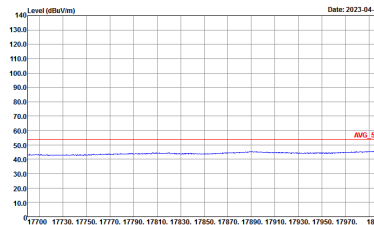


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
	17.7G ~18G Avg	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



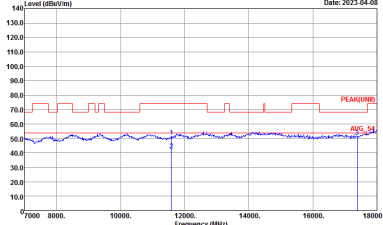
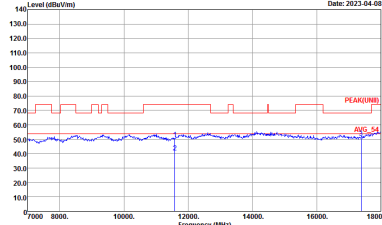
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-4Y Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-4Y Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL</p>

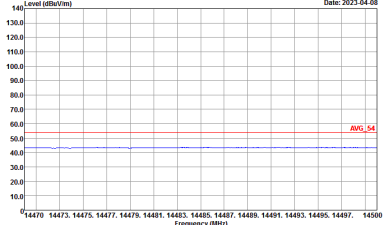
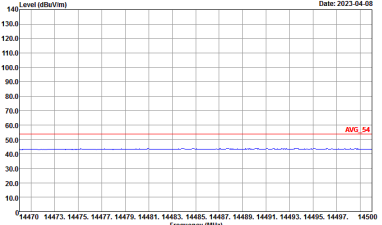
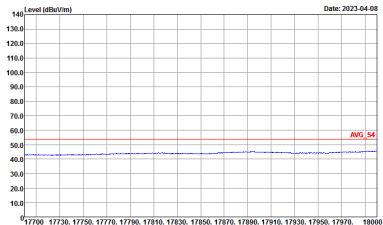
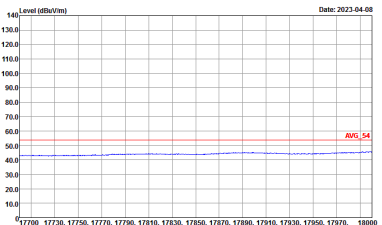


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Date: 2023-04-08</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Date: 2023-04-08</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	<p>Date: 2023-04-08</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Date: 2023-04-08</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL</p>



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>
<p>17.7G ~18G Avg</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



Emission above 18GHz
5GHz WIFI 802.11ax HE40 Full (SHF @ 1m)

Table with 2 columns: Horizontal and Vertical. Rows include WIF (5GHz WIFI), ANT (802.11ax HE40 Full SHF), 0+1, and Peak Avg. Each plot shows Level (dBm/1m) vs Frequency (MHz) with Peak and Avg lines.



Emission below 1GHz
5GHz WIFI 802.11ax HE40 Full (LF @ 3m)

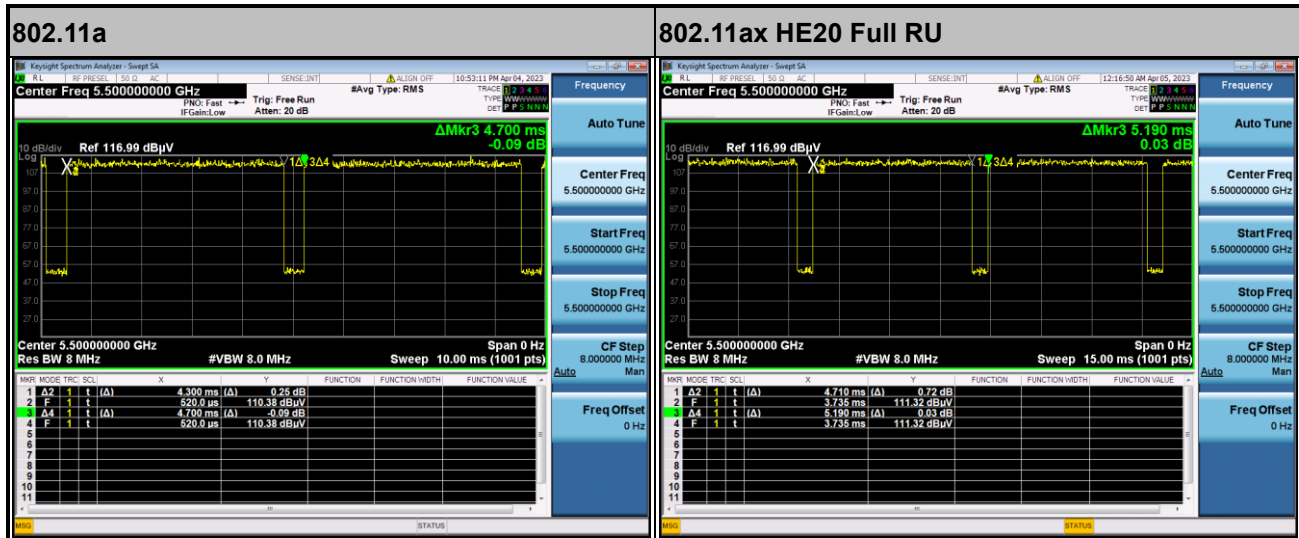
WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full LF	
0+1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m 1581LOG_230318_210 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : QP 3m 1581LOG_230318_210 VERTICAL</p>



Appendix E. Duty Cycle Plots

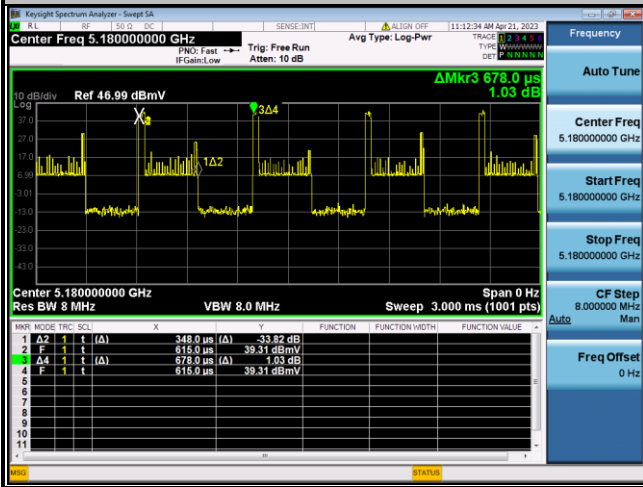
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0+1	802.11a	91.49	4300	0.23	300Hz
0+1	5GHz 802.11ax HE20 Full RU	90.75	4710	0.21	300Hz
0+1	5GHz 802.11ax HE20 26 RU	51.33	348	2.87	3kHz
0+1	5GHz 802.11ax HE20 52 RU	48.54	300	3.33	10kHz
0+1	5GHz 802.11ax HE20 106 RU	47.06	272	3.68	10kHz
0+1	5GHz 802.11ax HE40 Full RU	86.17	3550	0.28	300Hz
0+1	5GHz 802.11ax HE40 242 RU	43.32	240	4.17	10kHz
0+1	5GHz 802.11ax HE80 Full RU	74.67	1710	0.58	1kHz
0+1	5GHz 802.11ax HE80 F484 RU	41.38	240	4.17	10kHz

MIMO <Ant. 0+1>

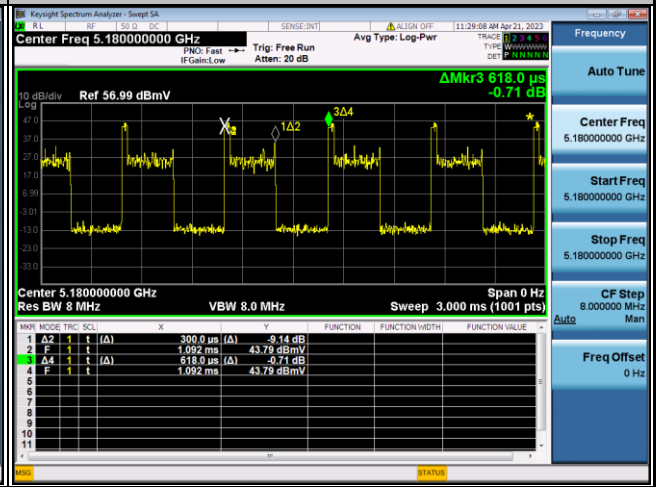




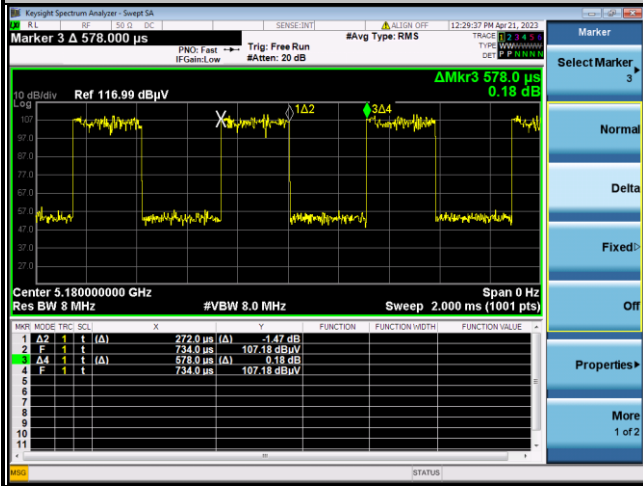
802.11ax HE20 26 RU



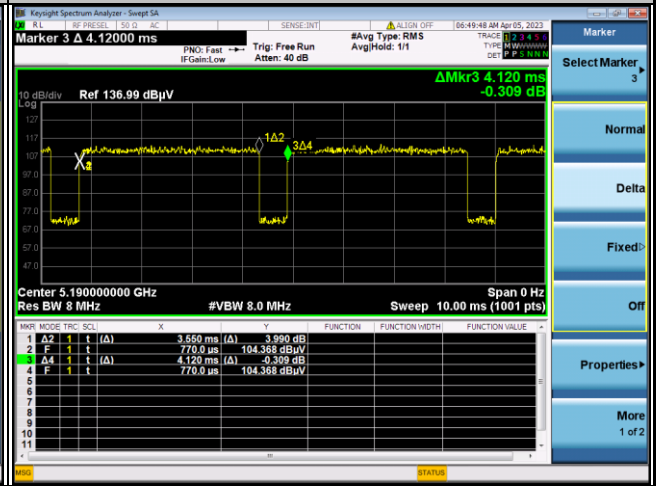
802.11ax HE20 52 RU

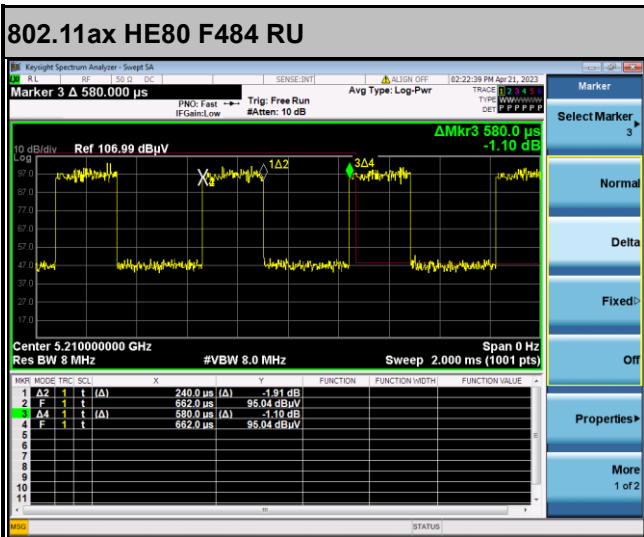
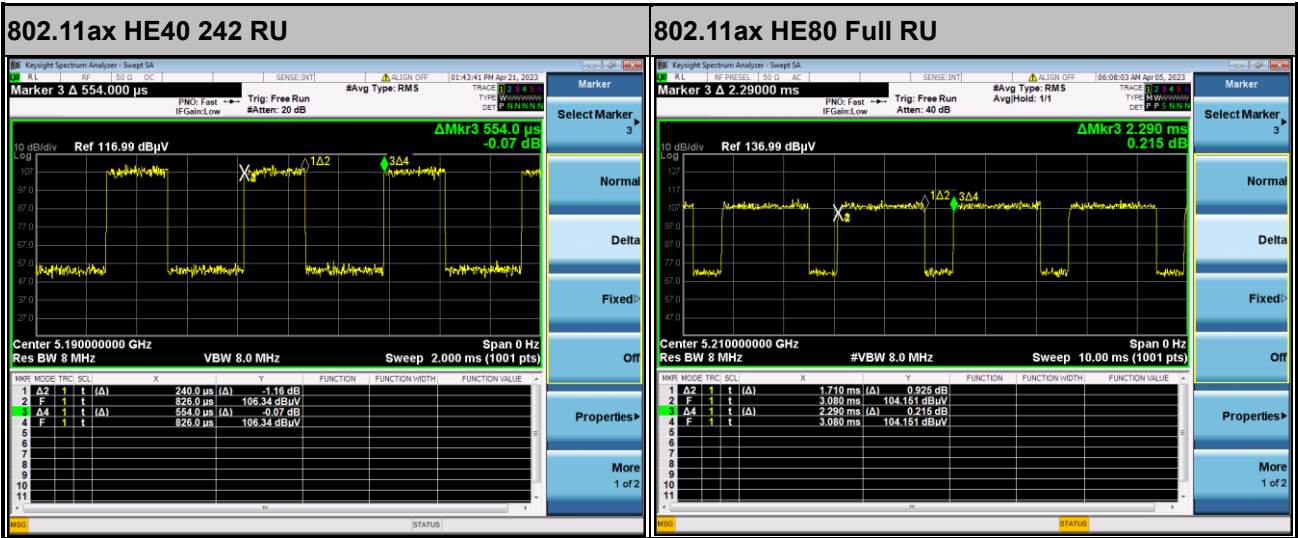


11ax HE20 106 RU



802.11ax HE40 Full RU





—THE END—