



FCC RADIO TEST REPORT

FCC ID : 2AYZN-5272
Equipment : Digital Media Receiver
Model Name : K2R2TE
Applicant : Getchellite LLC
125 Cambridge Park Drive
Cambridge, MA 02140
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 08, 2021 and testing was started from Apr. 20, 2021 and completed on May 05, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR120202-01E	01	Initial issue of report	Jun. 22, 2021
FR120202-01E	02	1. Add the description in section 2.2 2. Revise typo in section 1.2	Jun. 30, 2021



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 15.407(a)	Antenna Requirement	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Alan Liu

Report Producer: Ruby Zou



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	K2R2TE
FCC ID	2AYZN-5272
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

Remark: The above EUT's information was declared by manufacturer.

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5745 MHz ~ 5825 MHz
Maximum Average Output Power to antenna	MIMO <Ant. 0+1>: 802.11a: 21.91 dBm / 0.1552 W 802.11n HT20: 19.76 dBm / 0.0946 W 802.11n HT40: 19.72 dBm / 0.0938 W 802.11ac VHT20: 19.91 dBm / 0.0979 W 802.11ac VHT40: 19.67 dBm / 0.0927 W 802.11ac VHT80: 19.46 dBm / 0.0883 W 802.11ax HE20: 20.06 dBm / 0.1014 W 802.11ax HE40: 19.77 dBm / 0.0948 W 802.11ax HE80: 19.71 dBm / 0.0935 W
99% Occupied Bandwidth	MIMO<Ant. 0>: 802.11a: 17.63 MHz 802.11ax HE20: 19.23 MHz 802.11ax HE40: 37.66 MHz 802.11ax HE80: 77.56 MHz MIMO<Ant. 1>: 802.11a: 17.18 MHz 802.11ax HE20: 19.18 MHz 802.11ax HE40: 37.56 MHz 802.11ax HE80: 77.56 MHz

Product Specification subjective to this standard			
Antenna Type / Gain	<Ant. 0> : PCB Antenna with gain 6.0 dBi <Ant. 1> : PCB Antenna with gain 5.1 dBi		
Type of Modulation	802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)		
Antenna Function Description		Ant. 0	Ant. 1
	802.11 a/n/ac/ax MIMO	V	V

Remark:

1. MIMO Ant. 0+1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

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

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.
	TH02-HY, CO05-HY, 03CH07-HY, DFS02-HY

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

FCC designation No.: TW1190



1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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 in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80 and 802.11ax HE80.



2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + 4K 60Hz 10 bit + USB Cable (Charging from Adapter) + Ms.Ping V3 (2nd Factory) + TV: Sharp LC-50UA6800T + TV Resolution: 4K 60Hz

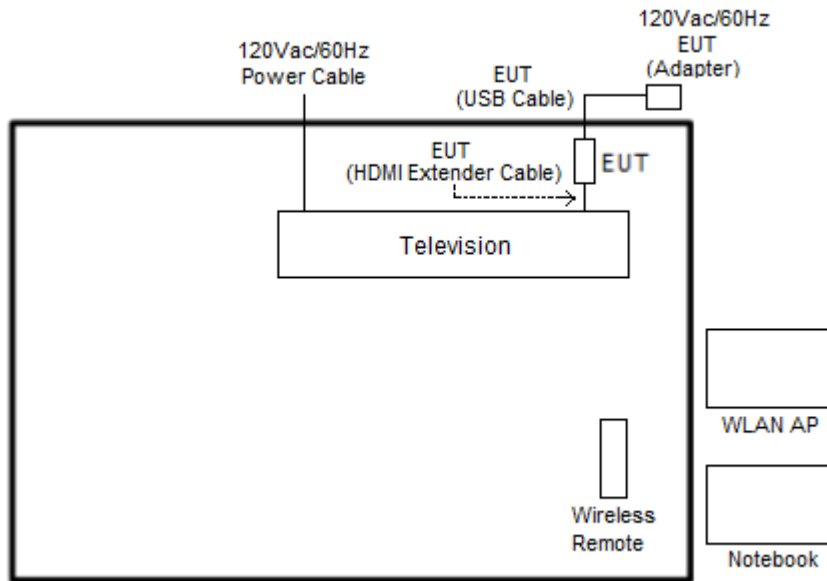
Ch. #	Band IV : 5725-5850 MHz			
	802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L Low	149	149	151	-
M Middle	157	157	-	155
H High	165	165	159	-

Remark:

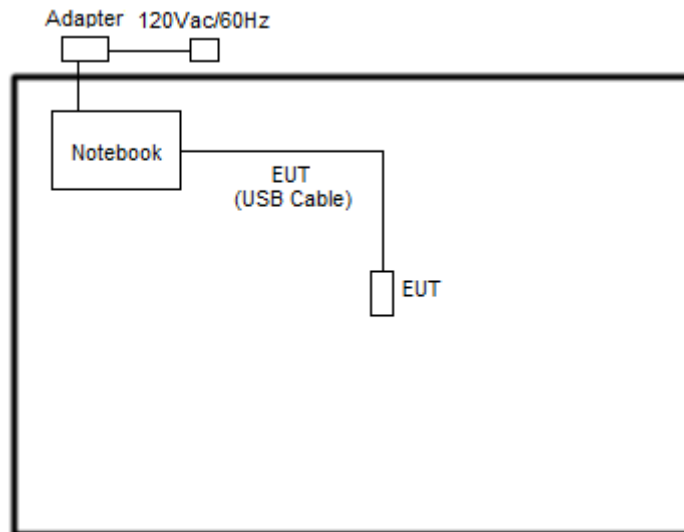
- For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.
- HE20 RU configurations were used for HE40 since the full/RU power are the same, and also HE40 was used for HE80.

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	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Television	Sharp	50UA6800T	FCC DoC	N/A	Unshielded, 1.8m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Dell	E3340	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance Tool 1.0.1.4” 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.

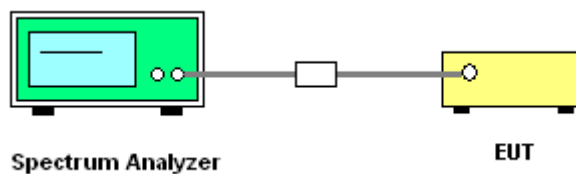
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

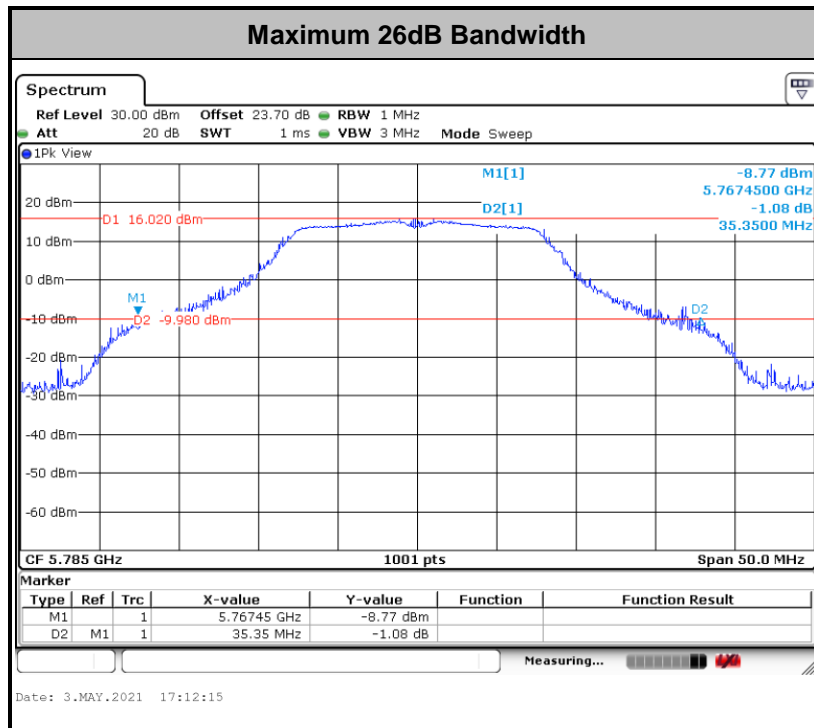
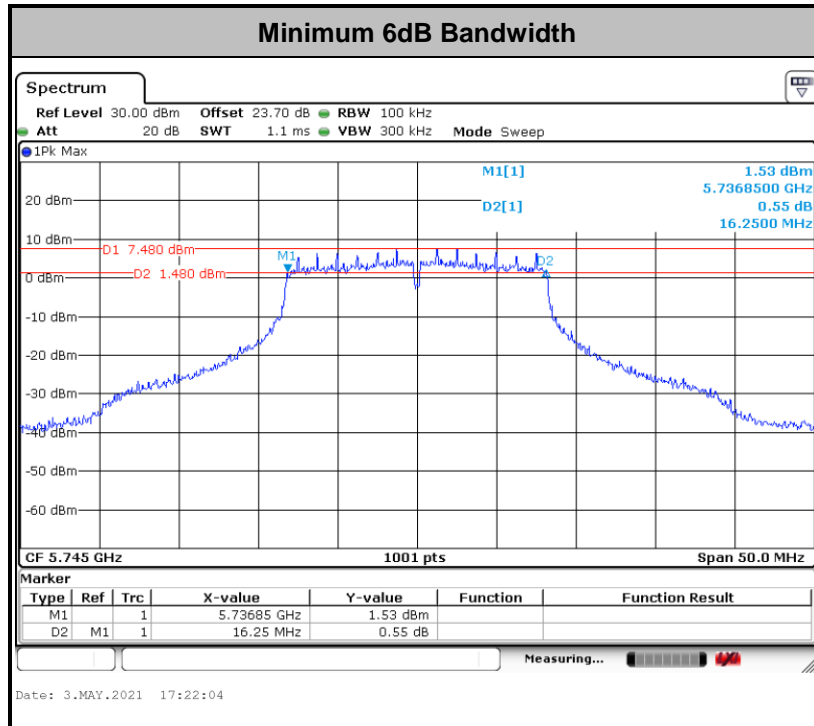
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is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

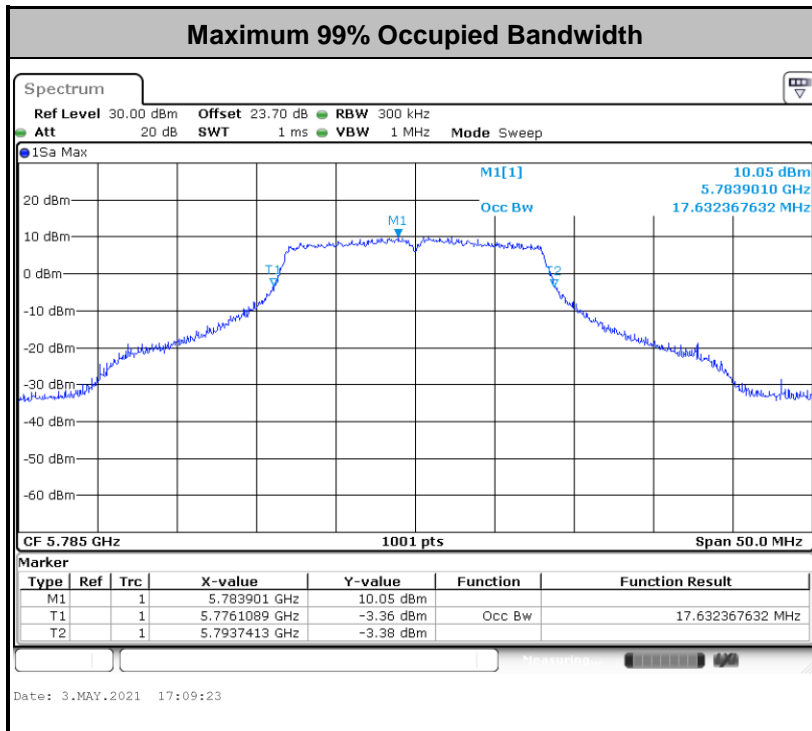
3.1.4 Test Setup



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

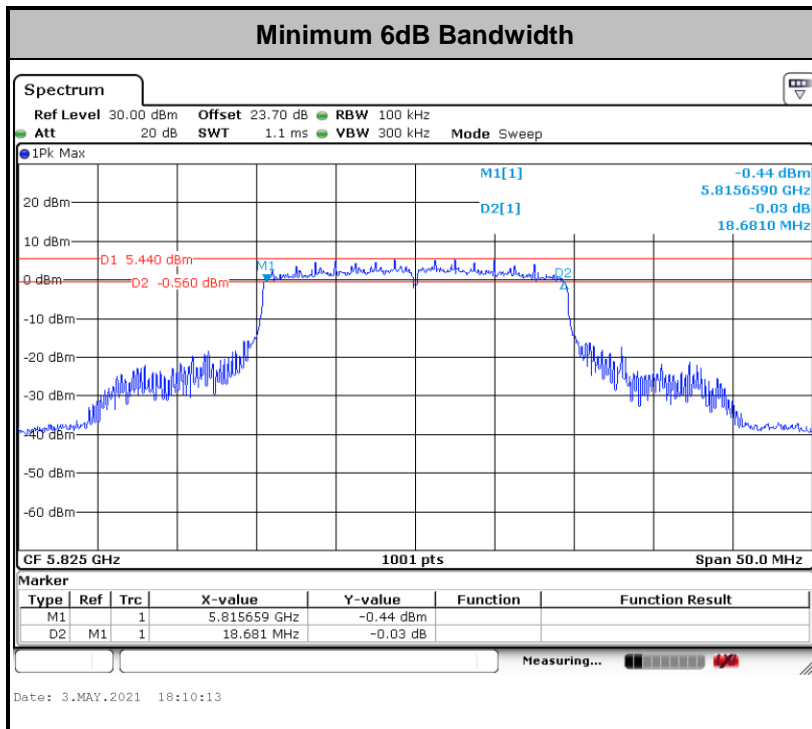
Please refer to Appendix A.

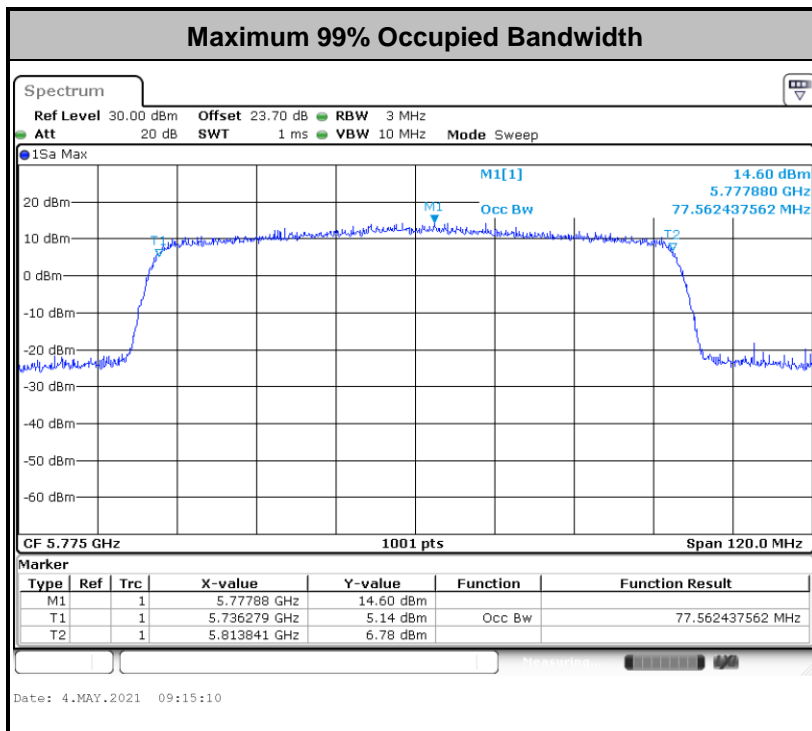
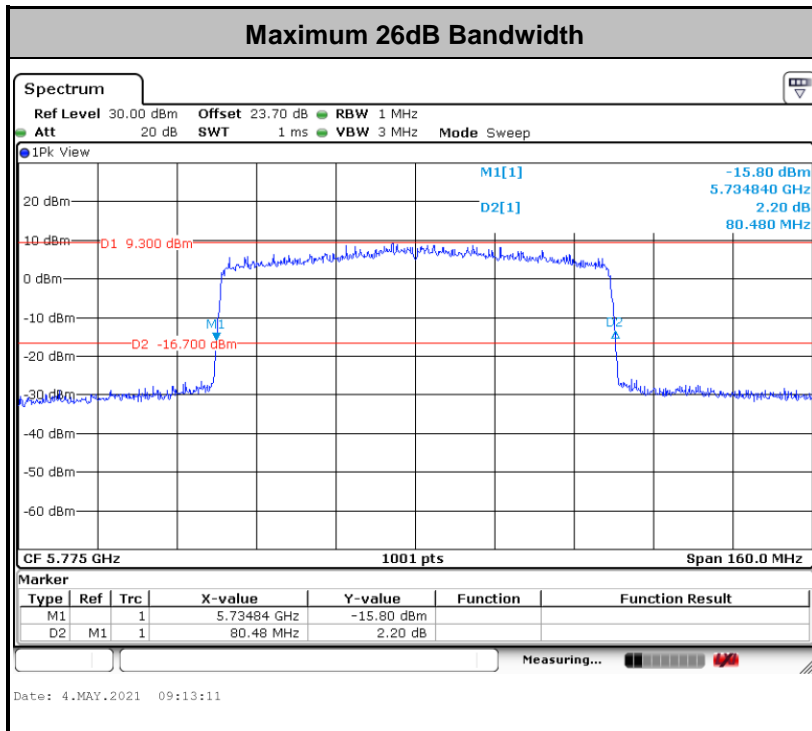




Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For 802.11ax Mode>





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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

See list of measuring equipment of this test report.

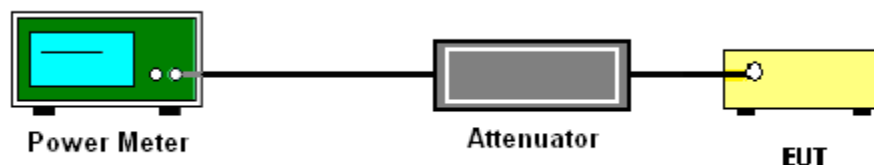
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

Method SA-3

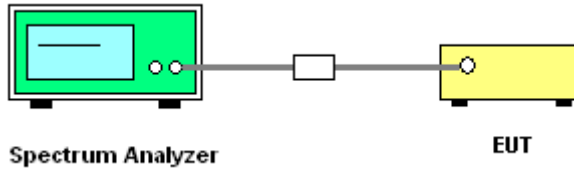
(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add $10 \log(N_{ANT})$ dB.

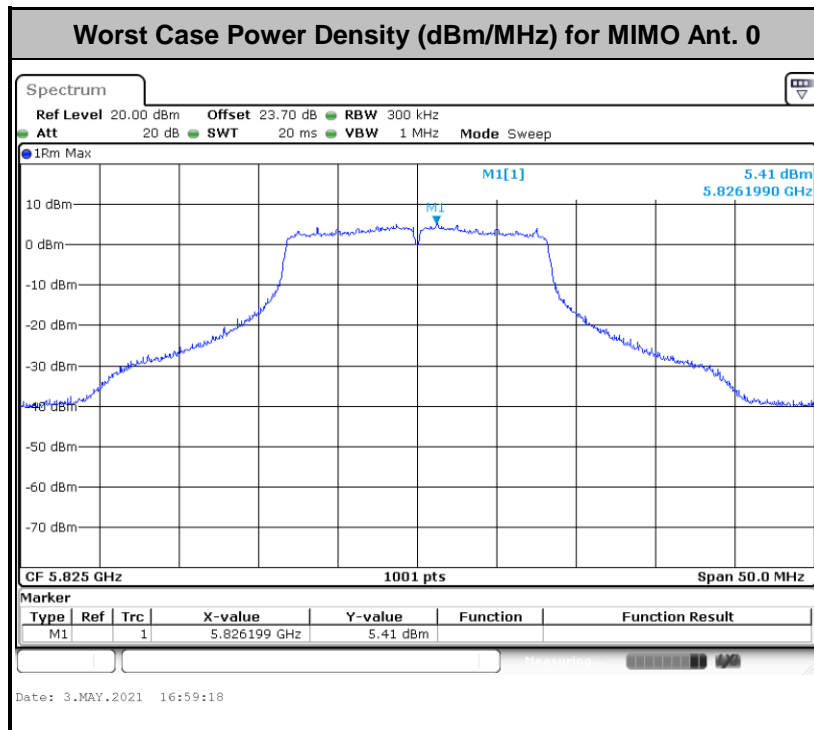
With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{ANT})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{ANT})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}^{th}$ of the PSD limit.

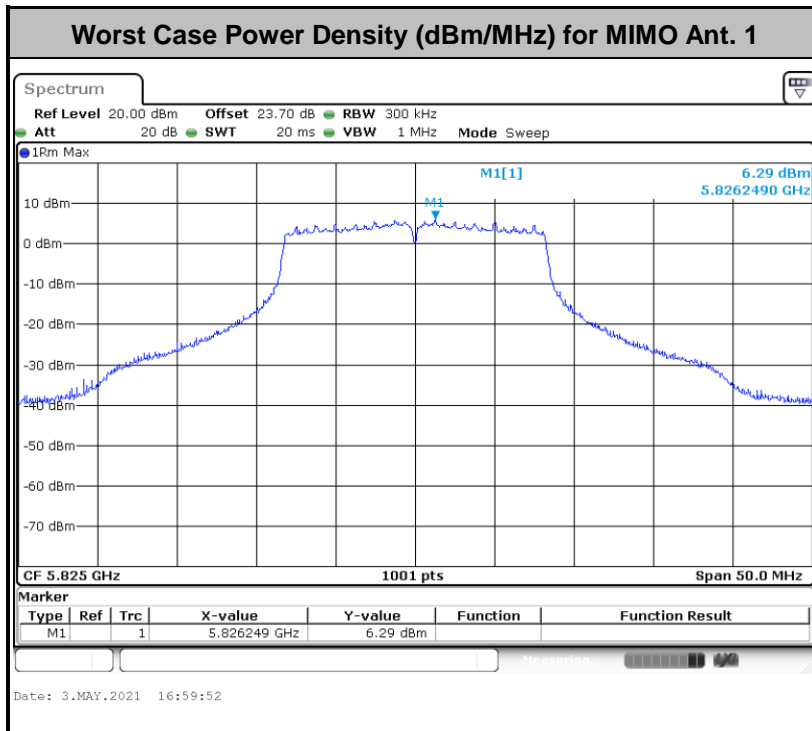
3.3.4 Test Setup



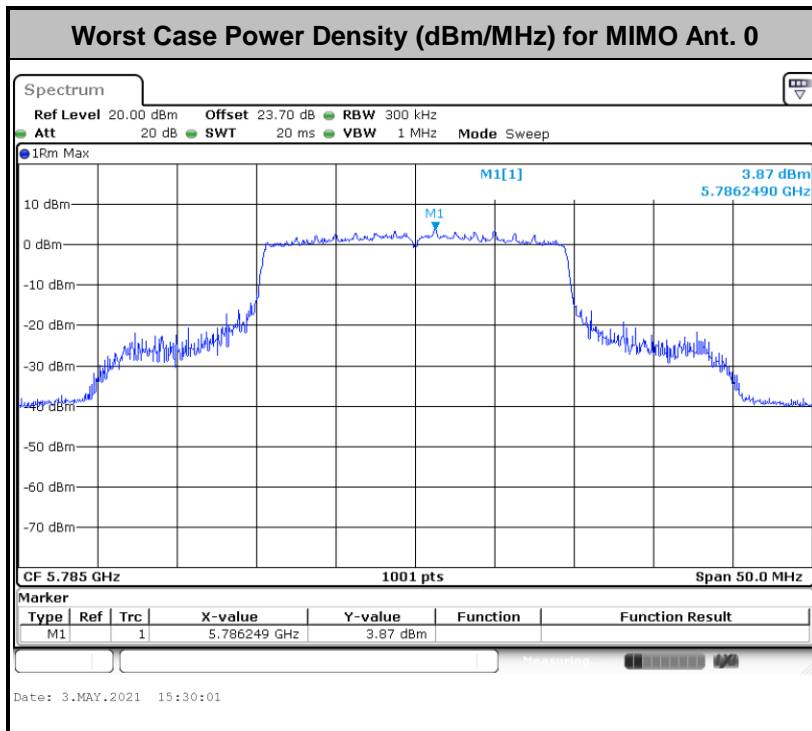
3.3.5 Test Result of Power Spectral Density

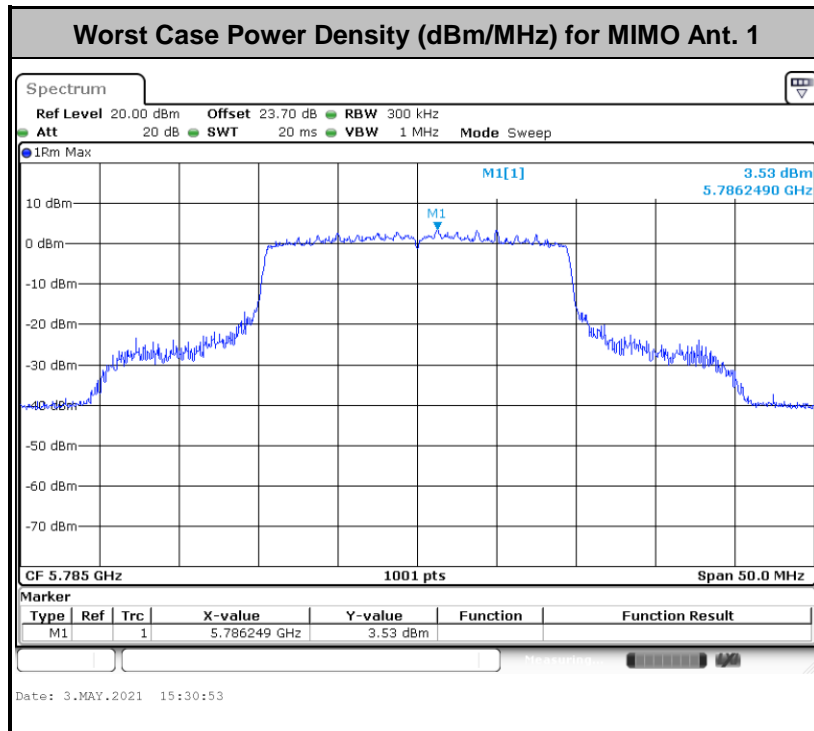
Please refer to Appendix A.





< For 802.11ax Mode >







3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 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 fallen in restricted bands shall comply with the general field strength limits as below table,

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

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

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

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

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

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

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



3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

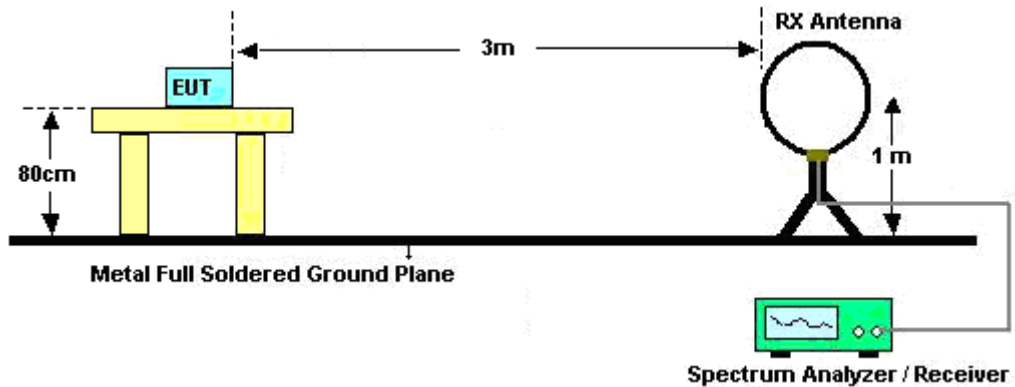
3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 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 was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

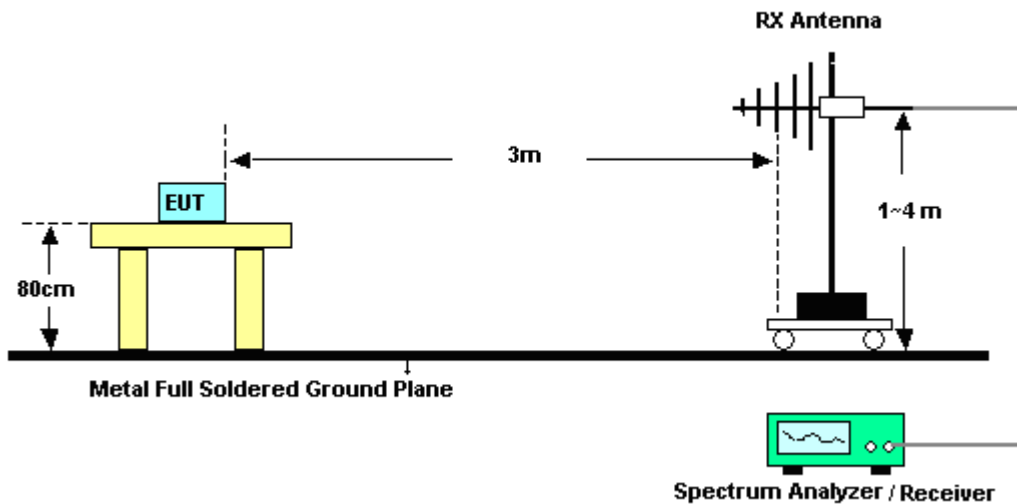
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

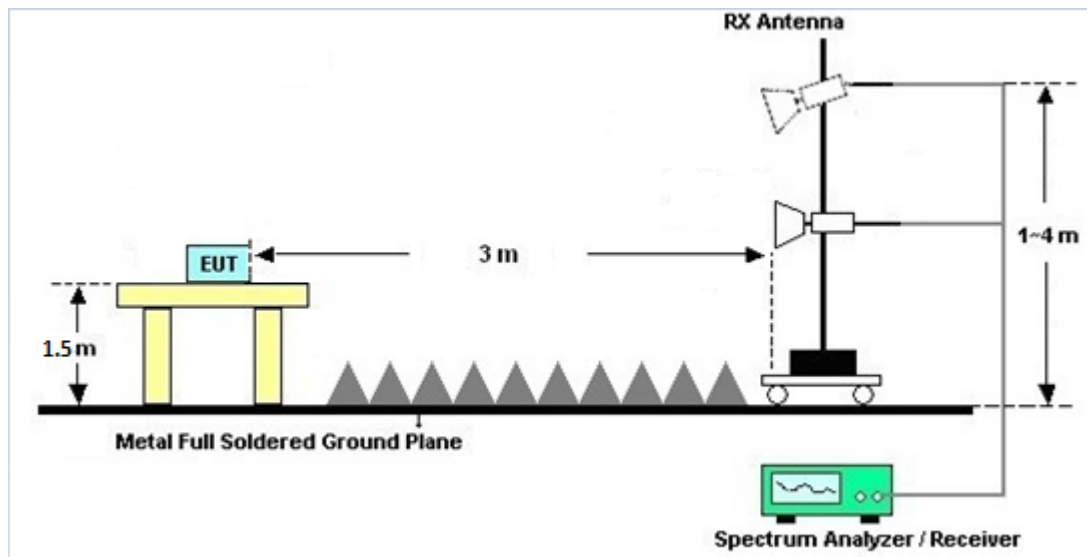
For radiated emissions below 30MHz



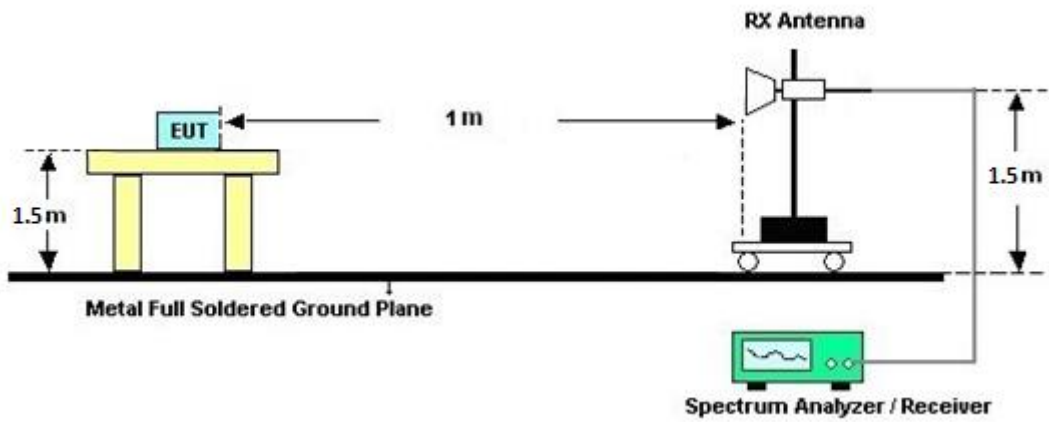
For radiated emissions from 30MHz to 1GHz



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 started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

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

3.4.6 Test Result of Radiated 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.

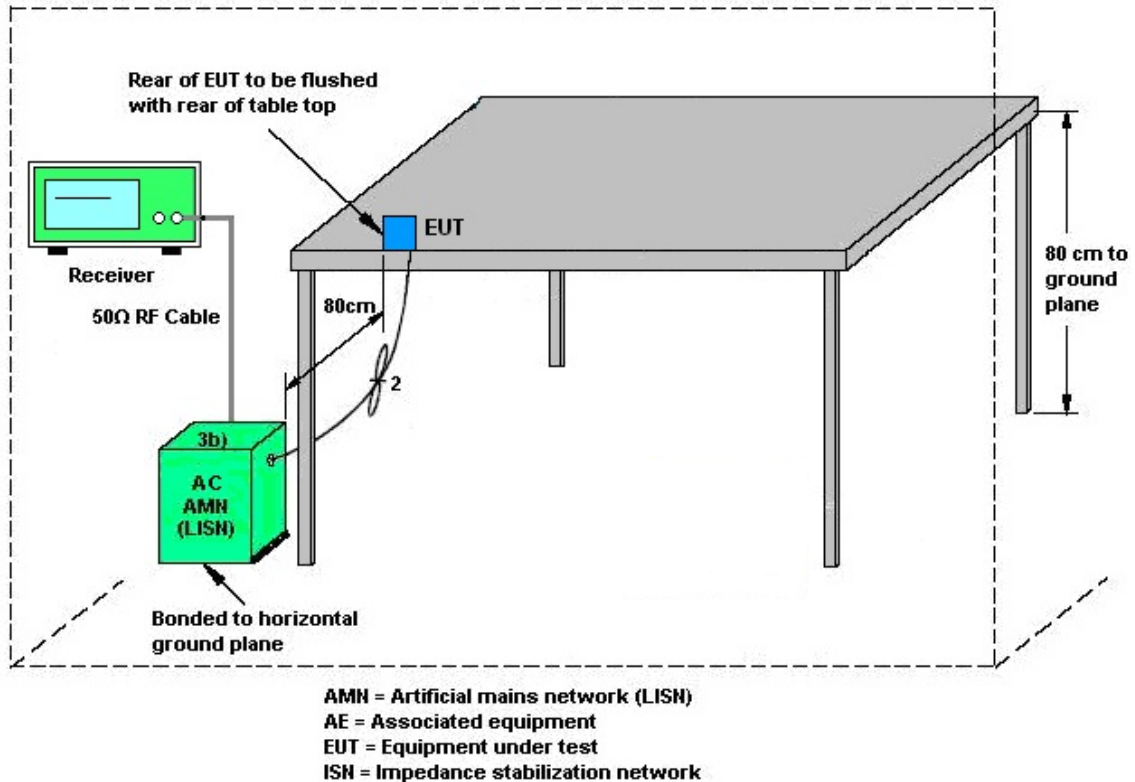
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

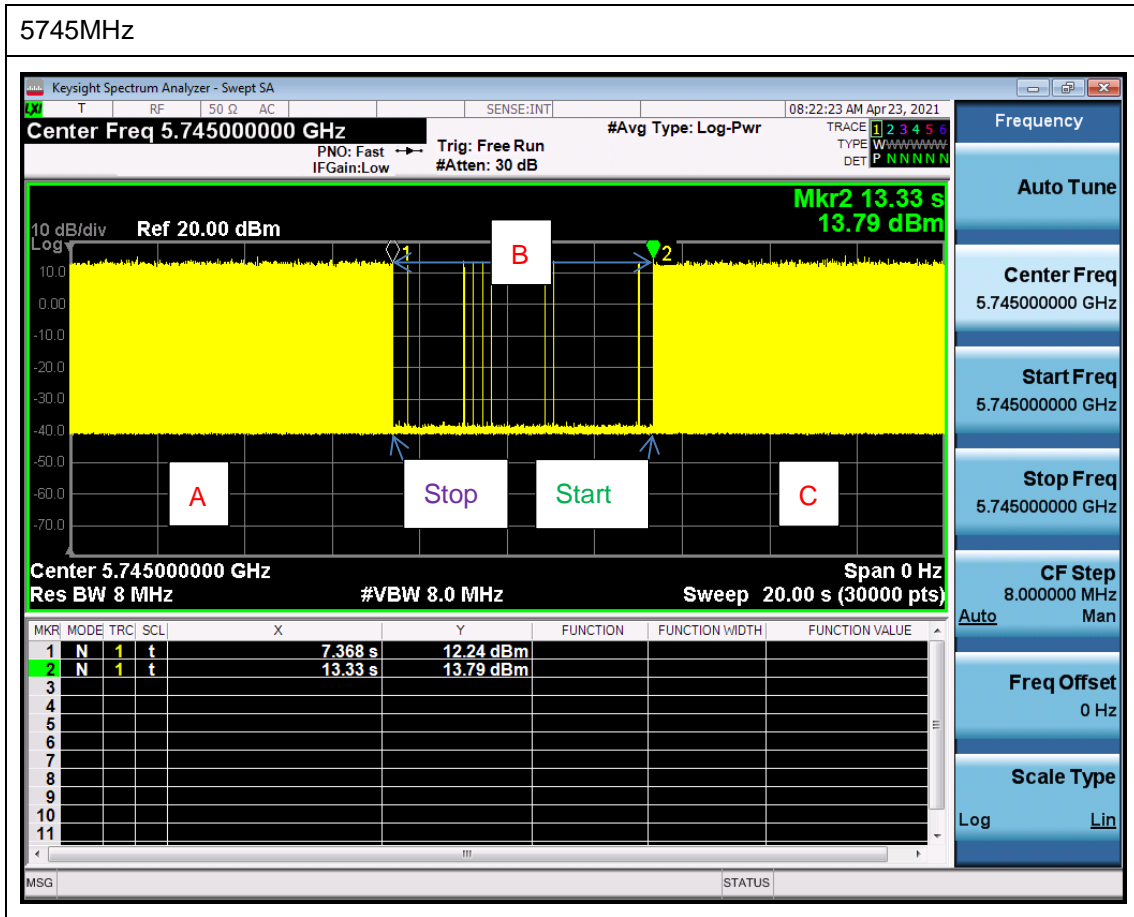
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- 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

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 0 (dBi)	Ant. 1 (dBi)				
Band IV	6.00	5.10	6.00	8.57	0.00	2.57

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

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 03, 2021	Apr. 30, 2021~ May 04, 2021	Mar. 02, 2022	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 09, 2020	Apr. 30, 2021~ May 04, 2021	Dec. 08, 2021	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Apr. 30, 2021~ May 04, 2021	Jul. 21, 2021	Conducted (TH02-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Apr. 30, 2021~ May 04, 2021	Mar. 16, 2022	Conducted (TH02-HY)
Spectrum Analyzer	Keysight	N9010A	MY571201 84	10Hz~7GHz	Nov. 17, 2020	Apr. 23, 2021	Nov. 16, 2021	Conducted (DFS02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	May 05, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	May 05, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	May 05, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	May 05, 2021	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	May 05, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 05, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	May 05, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	May 05, 2021	Dec. 30, 2021	Conduction (CO05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	35419 & 03	30MHz~1GHz	Apr. 29, 2020	Apr. 20, 2021~ Apr. 27, 2021	Apr. 28, 2021	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Apr. 28, 2021~ May 05, 2021	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2020	Apr. 20, 2021~ May 05, 2021	Nov. 30, 2021	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Apr. 20, 2021~ May 05, 2021	Jan. 03, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 23, 2020	Apr. 20, 2021~ Apr. 21, 2021	Apr. 22, 2021	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Apr. 22, 2021~ May 05, 2021	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 19, 2020	Apr. 20, 2021~ May 05, 2021	May 18, 2021	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A023 62	1GHz~26.5GHz	Oct. 31, 2020	Apr. 20, 2021~ May 05, 2021	Oct. 30, 2021	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 31, 2020	Apr. 20, 2021~ May 05, 2021	Jul. 30, 2021	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY523502 76	3Hz~44GHz	Jun. 09, 2020	Apr. 20, 2021~ May 05, 2021	Jun. 08, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682-4	30MHz to 18GHz	Feb. 24, 2021	Apr. 20, 2021~ May 05, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971-4	9kHz to 18GHz	Feb. 24, 2021	Apr. 20, 2021~ May 05, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655-4	9kHz to 18GHz	Feb. 24, 2021	Apr. 20, 2021~ May 05, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2, 801606/2	18GHz~40GHz	Feb. 24, 2021	Apr. 20, 2021~ May 05, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/12 6E	30MHz~18GHz	Sep. 18, 2020	Apr. 20, 2021~ May 05, 2021	Sep. 17, 2021	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB24 95	N/A	N/A	Apr. 20, 2021~ May 05, 2021	N/A	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 251	18GHz~40GHz	Dec. 02, 2020	Apr. 20, 2021~ May 05, 2021	Dec. 01, 2021	Radiation (03CH07-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Rebecca Li	Temperature:	22.4~23.1	°C
Test Date:	2021/4/30~2021/5/4	Relative Humidity:	54.2~55.2	%

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

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	17.58	17.08	33.65	30.00	16.25	16.30	0.5	Pass
11a	6Mbps	2	157	5785	17.63	17.18	35.35	30.75	16.30	16.33	0.5	Pass
11a	6Mbps	2	165	5825	17.58	16.98	35.25	30.40	16.30	16.30	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	18.80	18.60	21.71	30.00	30.00	6.00	6.00	Pass
11a	6Mbps	2	157	5785	18.60	18.70	21.66	30.00	30.00	6.00	6.00	Pass
11a	6Mbps	2	165	5825	18.70	19.10	21.91	30.00	30.00	6.00	6.00	Pass
HT20	MCS0	2	149	5745	16.80	16.70	19.76	30.00	30.00	6.00	6.00	Pass
HT20	MCS0	2	157	5785	16.70	16.80	19.76	30.00	30.00	6.00	6.00	Pass
HT20	MCS0	2	165	5825	16.60	16.80	19.71	30.00	30.00	6.00	6.00	Pass
HT40	MCS0	2	151	5755	16.40	17.00	19.72	30.00	30.00	6.00	6.00	Pass
HT40	MCS0	2	159	5795	16.40	16.90	19.67	30.00	30.00	6.00	6.00	Pass
VHT20	MCS0	2	149	5745	17.00	16.80	19.91	30.00	30.00	6.00	6.00	Pass
VHT20	MCS0	2	157	5785	16.70	17.00	19.86	30.00	30.00	6.00	6.00	Pass
VHT20	MCS0	2	165	5825	16.70	16.80	19.76	30.00	30.00	6.00	6.00	Pass
VHT40	MCS0	2	151	5755	16.30	17.00	19.67	30.00	30.00	6.00	6.00	Pass
VHT40	MCS0	2	159	5795	16.30	16.80	19.57	30.00	30.00	6.00	6.00	Pass
VHT80	MCS0	2	155	5775	16.30	16.60	19.46	30.00	30.00	6.00	6.00	Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	2.22	7.86	7.42	10.87	27.43	8.57	8.57	Pass		
11a	6Mbps	2	157	5785	2.22	7.44	7.67	10.68	27.43	8.57	8.57	Pass		
11a	6Mbps	2	165	5825	2.22	7.63	8.51	11.52	27.43	8.57	8.57	Pass		

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

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

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	19.23	19.13	37.40	37.46	18.85	18.80	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.18	19.18	37.61	37.26	18.83	18.85	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.18	19.18	37.26	37.01	18.68	18.93	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.66	37.56	40.41	40.32	35.06	35.10	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.66	37.56	40.50	40.50	36.50	35.06	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.56	77.56	80.48	80.32	75.68	75.68	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	17.10	17.00	20.06	30.00		6.00		Pass
HE20	MCS0	2	149	5745	26/0	8.50	7.90	11.22	30.00		6.00		Pass
HE20	MCS0	2	149	5745	52/37	12.30	11.80	15.07	30.00		6.00		Pass
HE20	MCS0	2	149	5745	106/53	15.30	14.80	18.07	30.00		6.00		Pass
HE20	MCS0	2	157	5785	Full	17.10	17.00	20.06	30.00		6.00		Pass
HE20	MCS0	2	157	5785	26/4	9.60	8.90	12.27	30.00		6.00		Pass
HE20	MCS0	2	157	5785	52/38	12.40	11.90	15.17	30.00		6.00		Pass
HE20	MCS0	2	157	5785	106/53	15.30	14.90	18.11	30.00		6.00		Pass
HE20	MCS0	2	165	5825	Full	16.80	17.00	19.91	30.00		6.00		Pass
HE20	MCS0	2	165	5825	26/8	8.80	8.20	11.52	30.00		6.00		Pass
HE20	MCS0	2	165	5825	52/40	12.70	12.30	15.51	30.00		6.00		Pass
HE20	MCS0	2	165	5825	106/54	15.10	14.90	18.01	30.00		6.00		Pass
HE40	MCS0	2	151	5755	Full	16.60	16.90	19.76	30.00		6.00		Pass
HE40	MCS0	2	151	5755	242/61	14.80	14.90	17.86	30.00		6.00		Pass
HE40	MCS0	2	159	5795	Full	16.50	17.00	19.77	30.00		6.00		Pass
HE40	MCS0	2	159	5795	242/62	14.70	14.80	17.76	30.00		6.00		Pass
HE80	MCS0	2	155	5775	Full	16.60	16.80	19.71	30.00		6.00		Pass
HE80	MCS0	2	155	5775	484/65	15.40	15.20	18.31	30.00		6.00		Pass
HE80	MCS0	2	155	5775	484/66	15.20	15.10	18.16	30.00		6.00		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	2.22		5.81	5.66	8.82	27.43		8.57	Pass	
HE20	MCS0	2	149	5745	26/0	2.22		5.28	4.77	8.29	27.43		8.57	Pass	
HE20	MCS0	2	149	5745	52/37	2.22		5.51	5.22	8.52	27.43		8.57	Pass	
HE20	MCS0	2	149	5745	106/53	2.22		5.49	5.22	8.50	27.43		8.57	Pass	
HE20	MCS0	2	157	5785	Full	2.22		6.09	5.75	9.10	27.43		8.57	Pass	
HE20	MCS0	2	157	5785	26/4	2.22		5.84	5.88	8.89	27.43		8.57	Pass	
HE20	MCS0	2	157	5785	52/38	2.22		5.47	5.49	8.50	27.43		8.57	Pass	
HE20	MCS0	2	157	5785	106/53	2.22		5.62	5.29	8.63	27.43		8.57	Pass	
HE20	MCS0	2	165	5825	Full	2.22		5.31	5.88	8.89	27.43		8.57	Pass	
HE20	MCS0	2	165	5825	26/8	2.22		5.66	4.91	8.67	27.43		8.57	Pass	
HE20	MCS0	2	165	5825	52/40	2.22		5.24	5.49	8.50	27.43		8.57	Pass	
HE20	MCS0	2	165	5825	106/54	2.22		5.42	5.19	8.43	27.43		8.57	Pass	
HE40	MCS0	2	151	5755	Full	2.22		2.88	3.56	6.57	27.43		8.57	Pass	
HE40	MCS0	2	151	5755	242/61	2.22		3.30	3.14	6.31	27.43		8.57	Pass	
HE40	MCS0	2	159	5795	Full	2.22		3.04	3.47	6.48	27.43		8.57	Pass	
HE40	MCS0	2	159	5795	242/62	2.22		3.15	3.16	6.17	27.43		8.57	Pass	
HE80	MCS0	2	155	5775	Full	2.22		1.22	1.02	4.23	27.43		8.57	Pass	
HE80	MCS0	2	155	5775	484/65	2.22		0.88	0.72	3.89	27.43		8.57	Pass	
HE80	MCS0	2	155	5775	484/66	2.22		0.87	0.63	3.88	27.43		8.57	Pass	

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



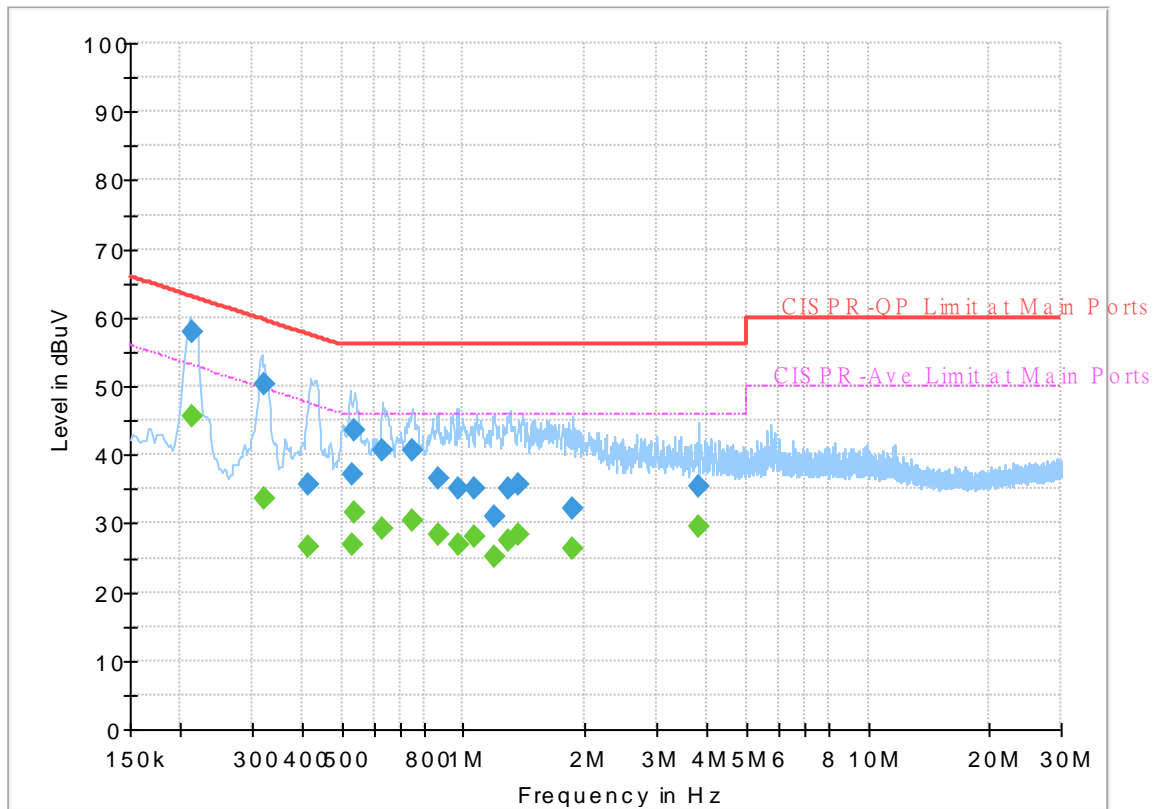
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	24~26°C
		Relative Humidity :	40~50%

EUT Information

Report NO : 120202-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

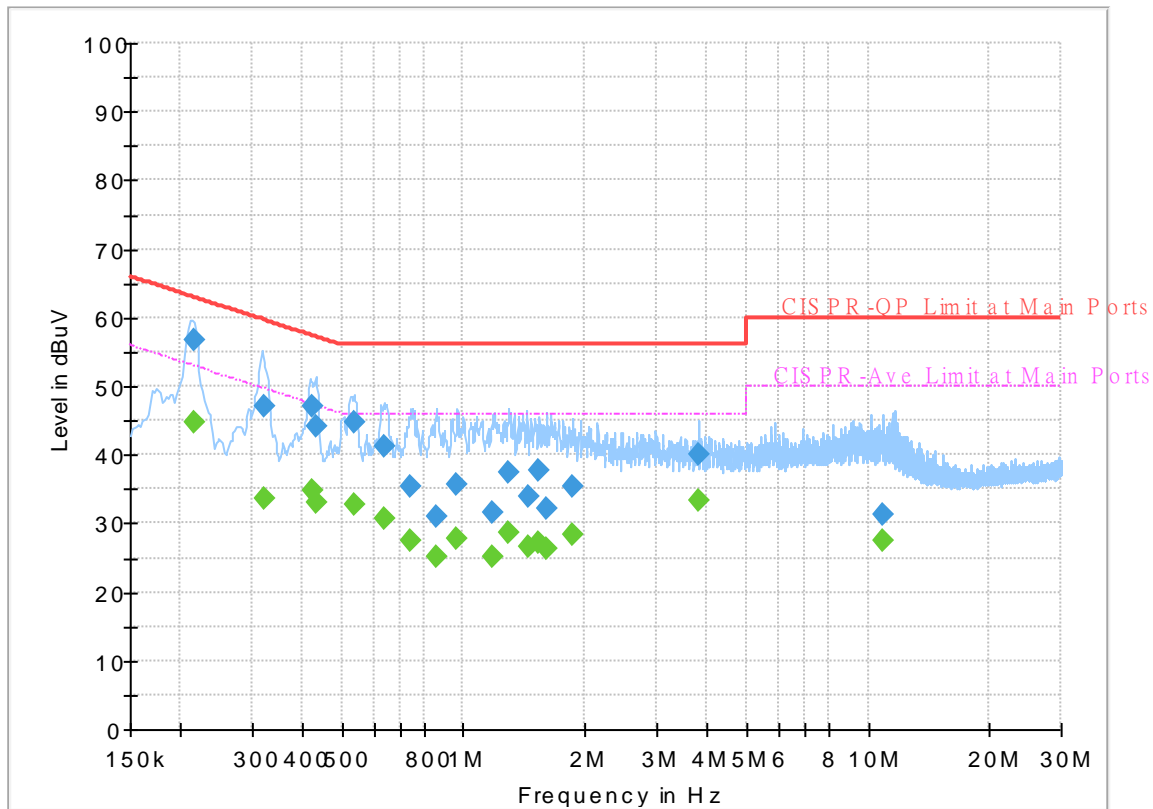
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.213000	---	45.72	53.09	7.37	L1	OFF	19.5
0.213000	57.95	---	63.09	5.14	L1	OFF	19.5
0.321000	---	33.62	49.68	16.06	L1	OFF	19.5
0.321000	50.24	---	59.68	9.44	L1	OFF	19.5
0.415500	---	26.50	47.54	21.04	L1	OFF	19.6
0.415500	35.70	---	57.54	21.84	L1	OFF	19.6
0.530250	---	26.78	46.00	19.22	L1	OFF	19.7
0.530250	37.17	---	56.00	18.83	L1	OFF	19.7
0.538080	---	31.46	46.00	14.54	L1	OFF	19.7
0.538080	43.43	---	56.00	12.57	L1	OFF	19.7
0.633750	---	29.23	46.00	16.77	L1	OFF	19.8
0.633750	40.52	---	56.00	15.48	L1	OFF	19.8
0.748500	---	30.31	46.00	15.69	L1	OFF	19.9
0.748500	40.74	---	56.00	15.26	L1	OFF	19.9
0.864240	---	28.22	46.00	17.78	L1	OFF	20.0
0.864240	36.53	---	56.00	19.47	L1	OFF	20.0
0.967560	---	26.79	46.00	19.21	L1	OFF	20.0
0.967560	35.19	---	56.00	20.81	L1	OFF	20.0
1.070250	---	27.98	46.00	18.02	L1	OFF	20.0
1.070250	35.13	---	56.00	20.87	L1	OFF	20.0
1.187790	---	25.15	46.00	20.85	L1	OFF	20.0

1.187790	31.03	---	56.00	24.97	L1	OFF	20.0
1.298580	---	27.42	46.00	18.58	L1	OFF	20.0
1.298580	35.10	---	56.00	20.90	L1	OFF	20.0
1.369500	---	28.32	46.00	17.68	L1	OFF	20.0
1.369500	35.67	---	56.00	20.33	L1	OFF	20.0
1.866750	---	26.25	46.00	19.75	L1	OFF	20.0
1.866750	32.11	---	56.00	23.89	L1	OFF	20.0
3.822000	---	29.58	46.00	16.42	L1	OFF	19.9
3.822000	35.47	---	56.00	20.53	L1	OFF	19.9

EUT Information

Report NO : 120202-01
 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)
0.216510	---	44.66	52.95	8.29	N	OFF	19.5
0.216510	56.62	---	62.95	6.33	N	OFF	19.5
0.320370	---	33.59	49.70	16.11	N	OFF	19.6
0.320370	47.15	---	59.70	12.55	N	OFF	19.6
0.422250	---	34.67	47.40	12.73	N	OFF	19.6
0.422250	47.10	---	57.40	10.30	N	OFF	19.6
0.430530	---	33.04	47.24	14.20	N	OFF	19.6
0.430530	44.13	---	57.24	13.11	N	OFF	19.6
0.535920	---	32.63	46.00	13.37	N	OFF	19.7
0.535920	44.74	---	56.00	11.26	N	OFF	19.7
0.637440	---	30.67	46.00	15.33	N	OFF	19.8
0.637440	41.29	---	56.00	14.71	N	OFF	19.8
0.737250	---	27.49	46.00	18.51	N	OFF	19.9
0.737250	35.40	---	56.00	20.60	N	OFF	19.9
0.859020	---	25.13	46.00	20.87	N	OFF	20.0
0.859020	31.02	---	56.00	24.98	N	OFF	20.0
0.963690	---	27.82	46.00	18.18	N	OFF	20.0
0.963690	35.75	---	56.00	20.25	N	OFF	20.0
1.185090	---	25.11	46.00	20.89	N	OFF	20.1
1.185090	31.67	---	56.00	24.33	N	OFF	20.1
1.295160	---	28.72	46.00	17.28	N	OFF	20.0

1.295160	37.42	---	56.00	18.58	N	OFF	20.0
1.441500	---	26.53	46.00	19.47	N	OFF	20.0
1.441500	33.78	---	56.00	22.22	N	OFF	20.0
1.537350	---	27.19	46.00	18.81	N	OFF	20.0
1.537350	37.58	---	56.00	18.42	N	OFF	20.0
1.607370	---	26.30	46.00	19.70	N	OFF	20.0
1.607370	32.03	---	56.00	23.97	N	OFF	20.0
1.871250	---	28.51	46.00	17.49	N	OFF	20.0
1.871250	35.32	---	56.00	20.68	N	OFF	20.0
3.818130	---	33.41	46.00	12.59	N	OFF	19.9
3.818130	40.13	---	56.00	15.87	N	OFF	19.9
10.910040	---	27.59	50.00	22.41	N	OFF	20.1
10.910040	31.21	---	60.00	28.79	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	20~26°C
		Relative Humidity :	47~56%



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5643.6	52.62	-15.58	68.2	40.85	34.6	12.32	35.15	100	116	P	H
		5699.8	59.1	-45.95	105.05	47.18	34.7	12.38	35.16	100	116	P	H
		5716.8	65.76	-44.15	109.91	53.82	34.7	12.4	35.16	100	116	P	H
		5724.8	75.02	-46.72	121.74	63.08	34.7	12.4	35.16	100	116	P	H
	*	5745	115.46	-	-	103.51	34.7	12.42	35.17	100	116	P	H
	*	5745	107.76	-	-	95.81	34.7	12.42	35.17	100	116	A	H
		5649.4	50.12	-18.08	68.2	38.34	34.6	12.33	35.15	400	267	P	V
		5685	51.48	-42.65	94.13	39.58	34.7	12.36	35.16	400	267	P	V
		5718.8	58.24	-52.22	110.46	46.3	34.7	12.4	35.16	400	267	P	V
		5724.4	67.97	-52.86	120.83	56.03	34.7	12.4	35.16	400	267	P	V
	*	5745	111.63	-	-	99.68	34.7	12.42	35.17	400	267	P	V
	*	5745	104.46	-	-	92.51	34.7	12.42	35.17	400	267	A	V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5637	50.84	-17.36	68.2	39.07	34.6	12.32	35.15	100	98	P	H
		5687.4	53.76	-42.15	95.91	41.85	34.7	12.37	35.16	100	98	P	H
		5710.8	55.01	-53.22	108.23	43.08	34.7	12.39	35.16	100	98	P	H
		5720.6	56.65	-55.52	112.17	44.71	34.7	12.4	35.16	100	98	P	H
	*	5785	116.34	-	-	104.28	34.77	12.46	35.17	100	98	P	H
	*	5785	108.36	-	-	96.3	34.77	12.46	35.17	100	98	A	H
		5852.2	58.53	-58.65	117.18	46.3	34.9	12.51	35.18	100	98	P	H
		5856.2	58.63	-51.83	110.46	46.39	34.9	12.52	35.18	100	98	P	H
		5877	58.27	-45.44	103.71	46.03	34.9	12.53	35.19	100	98	P	H
		5931.2	57.23	-10.97	68.2	44.89	34.97	12.57	35.2	100	98	P	H
		5645.8	49.12	-19.08	68.2	37.34	34.6	12.33	35.15	395	258	P	V
		5684.6	49.62	-44.22	93.84	37.72	34.7	12.36	35.16	395	258	P	V
		5713.4	49.12	-59.83	108.95	37.19	34.7	12.39	35.16	395	258	P	V
		5725	52.11	-70.09	122.2	40.17	34.7	12.4	35.16	395	258	P	V
	*	5785	111.26	-	-	99.2	34.77	12.46	35.17	395	258	P	V
	*	5785	105.26	-	-	93.2	34.77	12.46	35.17	395	258	A	V
		5850	50.44	-71.76	122.2	38.21	34.9	12.51	35.18	395	258	P	V
		5864.2	50.64	-57.58	108.22	38.41	34.9	12.52	35.19	395	258	P	V
		5922.8	52.72	-17.1	69.82	40.39	34.97	12.56	35.2	395	258	P	V
		5928.8	51.97	-16.23	68.2	39.64	34.97	12.56	35.2	395	258	P	V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz	*	5825	116.53	-	-	104.34	34.87	12.5	35.18	100	92	P	H
	*	5825	109.72	-	-	97.53	34.87	12.5	35.18	100	92	A	H
		5850	68.49	-53.71	122.2	56.26	34.9	12.51	35.18	100	92	P	H
		5865	65.38	-42.62	108	53.15	34.9	12.52	35.19	100	92	P	H
		5875.4	59.8	-45.1	104.9	47.56	34.9	12.53	35.19	100	92	P	H
		5937	54.66	-13.54	68.2	42.32	34.97	12.57	35.2	100	92	P	H
	*	5825	113.43	-	-	101.24	34.87	12.5	35.18	400	78	P	V
	*	5825	106.34	-	-	94.15	34.87	12.5	35.18	400	78	A	V
		5852.4	63.47	-53.26	116.73	51.24	34.9	12.51	35.18	400	78	P	V
		5857.8	59.75	-50.26	110.01	47.52	34.9	12.52	35.19	400	78	P	V
		5876.2	53.85	-50.46	104.31	41.61	34.9	12.53	35.19	400	78	P	V
		5946.6	51.73	-16.47	68.2	39.35	35	12.58	35.2	400	78	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	54.59	-19.41	74	54.69	38.18	19.26	57.54	100	271	P	H
		11490	45.82	-8.18	54	45.92	38.18	19.26	57.54	100	271	A	H
		17235	50.94	-17.26	68.2	41.12	41.43	24.9	56.51	100	0	P	H
		11490	51.05	-22.95	74	51.15	38.18	19.26	57.54	315	272	P	V
		11490	42.67	-11.33	54	42.77	38.18	19.26	57.54	315	272	A	V
		17235	53.4	-14.8	68.2	43.58	41.43	24.9	56.51	100	0	P	V
802.11a CH 157 5785MHz		11570	55.43	-18.57	74	55.18	38.33	19.33	57.41	100	243	P	H
		11570	46.25	-7.75	54	46	38.33	19.33	57.41	100	243	A	H
		17355	52.57	-15.63	68.2	42.41	41.55	25.01	56.4	100	0	P	H
		11570	52.68	-21.32	74	52.43	38.33	19.33	57.41	335	275	P	V
		11570	43.66	-10.34	54	43.41	38.33	19.33	57.41	335	275	A	V
		17355	54.12	-14.08	68.2	43.96	41.55	25.01	56.4	100	0	P	V
802.11a CH 165 5825MHz		11650	54.93	-19.07	74	54.19	38.48	19.41	57.15	100	241	P	H
		11650	46.45	-7.55	54	45.71	38.48	19.41	57.15	100	241	A	H
		17475	50.93	-17.27	68.2	40.54	41.67	25.1	56.38	100	0	P	H
		11650	52.32	-21.68	74	51.58	38.48	19.41	57.15	308	272	P	V
		11650	43.61	-10.39	54	42.87	38.48	19.41	57.15	308	272	A	V
		17475	53.48	-14.72	68.2	43.09	41.67	25.1	56.38	100	0	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 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 0+1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include frequencies from 5610.6 to 5745 MHz with various measurement values.



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 157 5785MHz		5602	49.75	-18.45	68.2	37.81	34.8	12.28	35.14	100	98	P	H
		5694	51.78	-49	100.78	39.87	34.7	12.37	35.16	100	98	P	H
		5719.4	52.49	-58.14	110.63	40.55	34.7	12.4	35.16	100	98	P	H
		5723.2	54.72	-63.38	118.1	42.78	34.7	12.4	35.16	100	98	P	H
	*	5785	114.56	-	-	102.5	34.77	12.46	35.17	100	98	P	H
	*	5785	104.18	-	-	92.12	34.77	12.46	35.17	100	98	A	H
		5852.8	56.33	-59.49	115.82	44.1	34.9	12.51	35.18	100	98	P	H
		5855.8	57.42	-53.16	110.58	45.18	34.9	12.52	35.18	100	98	P	H
		5879.4	55	-46.93	101.93	42.76	34.9	12.53	35.19	100	98	P	H
		5947.4	54.23	-13.97	68.2	41.85	35	12.58	35.2	100	98	P	H
		5633.8	49.54	-18.66	68.2	37.78	34.6	12.31	35.15	395	258	P	V
		5665.4	49.1	-30.53	79.63	37.4	34.5	12.35	35.15	395	258	P	V
		5707.4	48.54	-58.73	107.27	36.61	34.7	12.39	35.16	395	258	P	V
		5720.2	48.26	-63	111.26	36.32	34.7	12.4	35.16	395	258	P	V
	*	5785	110.84	-	-	98.78	34.77	12.46	35.17	395	258	P	V
	*	5785	101.46	-	-	89.4	34.77	12.46	35.17	395	258	A	V
		5851.8	50.43	-67.67	118.1	38.2	34.9	12.51	35.18	395	258	P	V
		5873.8	50.24	-55.3	105.54	38	34.9	12.53	35.19	395	258	P	V
		5922.6	51.14	-18.83	69.97	38.81	34.97	12.56	35.2	395	258	P	V
		5925.8	51.78	-16.42	68.2	39.45	34.97	12.56	35.2	395	258	P	V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 165 5825MHz	*	5825	115.58	-	-	103.39	34.87	12.5	35.18	100	96	P	H
	*	5825	106.29	-	-	94.1	34.87	12.5	35.18	100	96	A	H
		5850.8	68.59	-51.79	120.38	56.36	34.9	12.51	35.18	100	96	P	H
		5855.4	65.22	-45.47	110.69	52.98	34.9	12.52	35.18	100	96	P	H
		5880.4	59.22	-41.97	101.19	46.98	34.9	12.53	35.19	100	96	P	H
		5944.6	54.28	-13.92	68.2	41.91	35	12.57	35.2	100	96	P	H
	*	5825	111.2	-	-	99.01	34.87	12.5	35.18	400	82	P	V
	*	5825	102.78	-	-	90.59	34.87	12.5	35.18	400	82	A	V
		5850.4	60.87	-60.42	121.29	48.64	34.9	12.51	35.18	400	82	P	V
		5859	58.62	-51.06	109.68	46.39	34.9	12.52	35.19	400	82	P	V
	5876.4	53.2	-50.96	104.16	40.96	34.9	12.53	35.19	400	82	P	V	
	5939.6	53.24	-14.96	68.2	40.87	35	12.57	35.2	400	82	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 149 5745MHz		11490	53.23	-20.77	74	53.33	38.18	19.26	57.54	100	271	P	H
		11490	43.51	-10.49	54	43.61	38.18	19.26	57.54	100	271	A	H
		17235	50.39	-17.81	68.2	40.57	41.43	24.9	56.51	100	0	P	H
		11490	47.55	-26.45	74	47.65	38.18	19.26	57.54	100	0	P	V
		17235	51.62	-16.58	68.2	41.8	41.43	24.9	56.51	100	0	P	V
802.11ax HE20 Full CH 157 5785MHz		11570	53.36	-20.64	74	53.11	38.33	19.33	57.41	100	243	P	H
		11570	43.87	-10.13	54	43.62	38.33	19.33	57.41	100	243	A	H
		17355	51.94	-16.26	68.2	41.78	41.55	25.01	56.4	100	0	P	H
		11570	47.22	-26.78	74	46.97	38.33	19.33	57.41	100	0	P	V
		17355	51.44	-16.76	68.2	41.28	41.55	25.01	56.4	100	0	P	V
802.11ax HE20 Full CH 165 5825MHz		11650	53.86	-20.14	74	53.25	38.48	19.41	57.28	100	240	P	H
		11650	45.44	-8.56	54	44.83	38.48	19.41	57.28	100	240	A	H
		17475	51.89	-16.31	68.2	41.42	41.67	25.1	56.3	100	0	P	H
		11650	47.78	-26.22	74	47.17	38.48	19.41	57.28	100	0	P	V
		17475	51.37	-16.83	68.2	40.9	41.67	25.1	56.3	100	0	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 26 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5640	49.81	-18.39	68.2	38.04	34.6	12.32	35.15	100	110	P	H
		5692.6	50.36	-49.38	99.74	38.45	34.7	12.37	35.16	100	110	P	H
		5718.6	59.94	-50.47	110.41	48	34.7	12.4	35.16	100	110	P	H
		5725	63.94	-58.26	122.2	52	34.7	12.4	35.16	100	110	P	H
	*	5745	114.09	-	-	102.14	34.7	12.42	35.17	100	110	P	H
	*	5745	105.26	-	-	93.31	34.7	12.42	35.17	100	110	A	H
		5607.6	49.6	-18.6	68.2	37.65	34.8	12.29	35.14	371	83	P	V
		5692.2	49.67	-49.78	99.45	37.76	34.7	12.37	35.16	371	83	P	V
		5718.4	57.79	-52.56	110.35	45.85	34.7	12.4	35.16	371	83	P	V
		5724.6	56.29	-65	121.29	44.35	34.7	12.4	35.16	371	83	P	V
	*	5745	112.59	-	-	100.64	34.7	12.42	35.17	371	83	P	V
	*	5745	103.46	-	-	91.51	34.7	12.42	35.17	371	83	A	V



WiFi Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	113.54	-	-	101.35	34.87	12.5	35.18	100	106	P	H
	*	5825	105.38	-	-	93.19	34.87	12.5	35.18	100	106	A	H
		5850.4	64.33	-56.96	121.29	52.1	34.9	12.51	35.18	100	106	P	H
		5860	51.95	-57.45	109.4	39.72	34.9	12.52	35.19	100	106	P	H
		5903.6	52.33	-31.67	84	40.07	34.9	12.55	35.19	100	106	P	H
		5940	51.73	-16.47	68.2	39.36	35	12.57	35.2	100	106	P	H
	*	5825	111.83	-	-	99.64	34.87	12.5	35.18	356	82	P	V
	*	5825	103.88	-	-	91.69	34.87	12.5	35.18	356	82	A	V
		5851	60.04	-59.88	119.92	47.81	34.9	12.51	35.18	356	82	P	V
		5871.8	50.9	-55.19	106.09	38.66	34.9	12.53	35.19	356	82	P	V
		5920.6	51.9	-19.54	71.44	39.61	34.93	12.56	35.2	356	82	P	V
		5943.8	51.81	-16.39	68.2	39.44	35	12.57	35.2	356	82	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5618.2	50.38	-17.82	68.2	38.52	34.7	12.3	35.14	100	110	P	H
		5688	51.89	-44.46	96.35	39.98	34.7	12.37	35.16	100	110	P	H
		5720	62.78	-48.02	110.8	50.84	34.7	12.4	35.16	100	110	P	H
		5723	66.35	-51.29	117.64	54.41	34.7	12.4	35.16	100	110	P	H
	*	5745	115.26	-	-	103.31	34.7	12.42	35.17	100	110	P	H
	*	5745	106.36	-	-	94.41	34.7	12.42	35.17	100	110	A	H
		5600.8	50.94	-17.26	68.2	39	34.8	12.28	35.14	371	83	P	V
		5684.2	51.16	-42.38	93.54	39.26	34.7	12.36	35.16	371	83	P	V
		5719.6	63.02	-47.67	110.69	51.08	34.7	12.4	35.16	371	83	P	V
		5725	69.48	-52.72	122.2	57.54	34.7	12.4	35.16	371	83	P	V
	*	5745	112.69	-	-	100.74	34.7	12.42	35.17	371	83	P	V
	*	5745	104.56	-	-	92.61	34.7	12.42	35.17	371	83	A	V



WiFi Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	115.74	-	-	103.55	34.87	12.5	35.18	100	109	P	H
	*	5825	106.99	-	-	94.8	34.87	12.5	35.18	100	109	A	H
		5851.6	64.55	-54	118.55	52.32	34.9	12.51	35.18	100	109	P	H
		5859.2	54.97	-54.65	109.62	42.74	34.9	12.52	35.19	100	109	P	H
		5883.6	53.74	-45.07	98.81	41.5	34.9	12.53	35.19	100	109	P	H
		5934.8	52.73	-15.47	68.2	40.39	34.97	12.57	35.2	100	109	P	H
	*	5825	114.94	-	-	102.75	34.87	12.5	35.18	356	82	P	V
	*	5825	104.98	-	-	92.79	34.87	12.5	35.18	356	82	A	V
		5850.8	61.44	-58.94	120.38	49.21	34.9	12.51	35.18	356	82	P	V
		5860.6	53.16	-56.07	109.23	40.93	34.9	12.52	35.19	356	82	P	V
		5893.2	52.17	-39.53	91.7	39.92	34.9	12.54	35.19	356	82	P	V
		5949	51.66	-16.54	68.2	39.28	35	12.58	35.2	356	82	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. 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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5640.6	52.22	-15.98	68.2	40.45	34.6	12.32	35.15	100	111	P	H
		5682.4	54.95	-37.26	92.21	43.15	34.6	12.36	35.16	100	111	P	H
		5720	62.43	-48.37	110.8	50.49	34.7	12.4	35.16	100	111	P	H
		5725	78.19	-44.01	122.2	66.25	34.7	12.4	35.16	100	111	P	H
	*	5745	115.66	-	-	103.71	34.7	12.42	35.17	100	111	P	H
	*	5745	106.56	-	-	94.61	34.7	12.42	35.17	100	111	A	H
		5604	51.12	-17.08	68.2	39.18	34.8	12.28	35.14	371	83	P	V
		5699.6	51.95	-52.96	104.91	40.03	34.7	12.38	35.16	371	83	P	V
		5719.6	60.49	-50.2	110.69	48.55	34.7	12.4	35.16	371	83	P	V
		5725	71.47	-50.73	122.2	59.53	34.7	12.4	35.16	371	83	P	V
	*	5745	114.59	-	-	102.64	34.7	12.42	35.17	371	83	P	V
	*	5745	104.76	-	-	92.81	34.7	12.42	35.17	371	83	A	V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	115.08	-	-	102.89	34.87	12.5	35.18	100	109	P	H
	*	5825	106.48	-	-	94.29	34.87	12.5	35.18	100	109	A	H
		5850.4	60.21	-61.08	121.29	47.98	34.9	12.51	35.18	100	109	P	H
		5869	56.6	-50.28	106.88	44.37	34.9	12.52	35.19	100	109	P	H
		5887	55.37	-40.92	96.29	43.12	34.9	12.54	35.19	100	109	P	H
		5947.2	53.57	-14.63	68.2	41.19	35	12.58	35.2	100	109	P	H
	*	5825	113.21	-	-	101.02	34.87	12.5	35.18	355	82	P	V
	*	5825	103.48	-	-	91.29	34.87	12.5	35.18	355	82	A	V
		5851	60.34	-59.58	119.92	48.11	34.9	12.51	35.18	355	82	P	V
		5856.6	56.17	-54.18	110.35	43.93	34.9	12.52	35.18	355	82	P	V
		5878.8	53.36	-49.02	102.38	41.12	34.9	12.53	35.19	355	82	P	V
		5935.4	52.66	-15.54	68.2	40.32	34.97	12.57	35.2	355	82	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. 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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 151 5755MHz		5640.8	51.63	-16.57	68.2	39.86	34.6	12.32	35.15	100	116	P	H
		5699.2	57.56	-47.05	104.61	45.64	34.7	12.38	35.16	100	116	P	H
		5719.4	70.09	-40.54	110.63	58.15	34.7	12.4	35.16	100	116	P	H
		5723.2	72.01	-46.09	118.1	60.07	34.7	12.4	35.16	100	116	P	H
	*	5755	110.13	-	-	98.14	34.73	12.43	35.17	100	116	P	H
	*	5755	103.02	-	-	91.03	34.73	12.43	35.17	100	116	A	H
		5850.4	55.03	-66.26	121.29	42.8	34.9	12.51	35.18	100	116	P	H
		5860.2	54.17	-55.17	109.34	41.94	34.9	12.52	35.19	100	116	P	H
		5904.2	53.73	-29.82	83.55	41.47	34.9	12.55	35.19	100	116	P	H
		5939.2	52.9	-15.3	68.2	40.53	35	12.57	35.2	100	116	P	H
		5625.6	49.8	-18.4	68.2	37.93	34.7	12.31	35.14	400	258	P	V
		5696.8	50.72	-52.12	102.84	38.8	34.7	12.38	35.16	400	258	P	V
		5718.8	60.78	-49.68	110.46	48.84	34.7	12.4	35.16	400	258	P	V
		5722.8	64.21	-52.97	117.18	52.27	34.7	12.4	35.16	400	258	P	V
	*	5755	107.82	-	-	95.83	34.73	12.43	35.17	400	258	P	V
	*	5755	99.2	-	-	87.21	34.73	12.43	35.17	400	258	A	V
		5853.4	49.98	-64.47	114.45	37.75	34.9	12.51	35.18	400	258	P	V
		5871.6	51.9	-54.25	106.15	39.66	34.9	12.53	35.19	400	258	P	V
		5878.4	51.87	-50.8	102.67	39.63	34.9	12.53	35.19	400	258	P	V
		5928.8	49.93	-18.27	68.2	37.6	34.97	12.56	35.2	400	258	P	V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 159 5795MHz		5610.4	49.4	-18.8	68.2	37.45	34.8	12.29	35.14	100	95	P	H
		5689.4	51.67	-45.71	97.38	39.76	34.7	12.37	35.16	100	95	P	H
		5718.4	54.96	-55.39	110.35	43.02	34.7	12.4	35.16	100	95	P	H
		5722.8	56.06	-61.12	117.18	44.12	34.7	12.4	35.16	100	95	P	H
	*	5795	111.4	-	-	99.3	34.8	12.47	35.17	100	95	P	H
	*	5795	103.6	-	-	91.5	34.8	12.47	35.17	100	95	A	H
		5852.4	62.87	-53.86	116.73	50.64	34.9	12.51	35.18	100	95	P	H
		5858.6	61.1	-48.69	109.79	48.87	34.9	12.52	35.19	100	95	P	H
		5883.8	57.85	-40.82	98.67	45.61	34.9	12.53	35.19	100	95	P	H
		5937.4	54.37	-13.83	68.2	42.03	34.97	12.57	35.2	100	95	P	H
		5613.8	49.74	-18.46	68.2	37.79	34.8	12.29	35.14	382	80	P	V
		5699.8	49.94	-55.11	105.05	38.02	34.7	12.38	35.16	382	80	P	V
		5720	52.32	-58.48	110.8	40.38	34.7	12.4	35.16	382	80	P	V
		5720.2	52.33	-58.93	111.26	40.39	34.7	12.4	35.16	382	80	P	V
	*	5795	108.95	-	-	96.85	34.8	12.47	35.17	382	80	P	V
	*	5795	100.03	-	-	87.93	34.8	12.47	35.17	382	80	A	V
		5851.6	57.59	-60.96	118.55	45.36	34.9	12.51	35.18	382	80	P	V
		5856.4	54.35	-56.06	110.41	42.11	34.9	12.52	35.18	382	80	P	V
	5879.2	52.77	-49.31	102.08	40.53	34.9	12.53	35.19	382	80	P	V	
	5936.4	52.89	-15.31	68.2	40.55	34.97	12.57	35.2	382	80	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11510	46.93	-27.07	74	46.94	38.2	19.29	57.5	100	0	P	H
HE40 Full		17265	50.15	-18.05	68.2	40.23	41.47	24.93	56.48	100	0	P	H
CH 151		11510	47.28	-26.72	74	47.29	38.2	19.29	57.5	100	0	P	V
5755MHz		17265	50.69	-17.51	68.2	40.77	41.47	24.93	56.48	100	0	P	V
802.11ax		11590	44.97	-29.03	74	44.54	38.37	19.35	57.29	100	0	P	H
HE40 Full		17385	48.95	-19.25	68.2	38.7	41.58	25.03	56.36	100	0	P	H
CH 159		11590	44.81	-29.19	74	44.38	38.37	19.35	57.29	100	0	P	V
5795MHz		17385	50.09	-18.11	68.2	39.84	41.58	25.03	56.36	100	0	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_Partial 242 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 151 5755MHz		5633	51.36	-16.84	68.2	39.6	34.6	12.31	35.15	100	111	P	H
		5695.8	54.45	-47.65	102.1	42.53	34.7	12.38	35.16	100	111	P	H
		5719.2	63.52	-47.06	110.58	51.58	34.7	12.4	35.16	100	111	P	H
		5724	65.22	-54.7	119.92	53.28	34.7	12.4	35.16	100	111	P	H
	*	5755	112.42	-	-	100.43	34.73	12.43	35.17	100	111	P	H
	*	5755	102.8	-	-	90.81	34.73	12.43	35.17	100	111	A	H
		5853.4	52.78	-61.67	114.45	40.55	34.9	12.51	35.18	100	111	P	H
		5867.8	54.12	-53.09	107.21	41.89	34.9	12.52	35.19	100	111	P	H
		5908.4	52.95	-27.5	80.45	40.66	34.93	12.55	35.19	100	111	P	H
		5935.6	52.47	-15.73	68.2	40.13	34.97	12.57	35.2	100	111	P	H
		5616.4	50.5	-17.7	68.2	38.64	34.7	12.3	35.14	350	80	P	V
		5698.2	53.66	-50.21	103.87	41.74	34.7	12.38	35.16	350	80	P	V
		5718.6	58.91	-51.5	110.41	46.97	34.7	12.4	35.16	350	80	P	V
		5720.8	60.35	-52.27	112.62	48.41	34.7	12.4	35.16	350	80	P	V
	*	5755	110.59	-	-	98.6	34.73	12.43	35.17	350	80	P	V
	*	5755	101.2	-	-	89.21	34.73	12.43	35.17	350	80	A	V
		5851.8	51.1	-67	118.1	38.87	34.9	12.51	35.18	350	80	P	V
		5864.6	51.74	-56.37	108.11	39.51	34.9	12.52	35.19	350	80	P	V
	5876.6	52.41	-51.6	104.01	40.17	34.9	12.53	35.19	350	80	P	V	
	5944.6	53.27	-14.93	68.2	40.9	35	12.57	35.2	350	80	P	V	



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 159 5795MHz		5613	51.05	-17.15	68.2	39.1	34.8	12.29	35.14	100	93	P	H
		5691.2	51.4	-47.31	98.71	39.49	34.7	12.37	35.16	100	93	P	H
		5719.6	52.98	-57.71	110.69	41.04	34.7	12.4	35.16	100	93	P	H
		5724	51.36	-68.56	119.92	39.42	34.7	12.4	35.16	100	93	P	H
	*	5795	112.86	-	-	100.76	34.8	12.47	35.17	100	93	P	H
	*	5795	104.33	-	-	92.23	34.8	12.47	35.17	100	93	A	H
		5850.4	56.47	-64.82	121.29	44.24	34.9	12.51	35.18	100	93	P	H
		5857.8	55.39	-54.62	110.01	43.16	34.9	12.52	35.19	100	93	P	H
		5894	54.32	-36.78	91.1	42.07	34.9	12.54	35.19	100	93	P	H
		5930.4	52.77	-15.43	68.2	40.44	34.97	12.56	35.2	100	93	P	H
		5632.8	49.73	-18.47	68.2	37.97	34.6	12.31	35.15	386	84	P	V
		5696.6	50.7	-51.99	102.69	38.78	34.7	12.38	35.16	386	84	P	V
		5719	50.6	-59.92	110.52	38.66	34.7	12.4	35.16	386	84	P	V
		5723	50.03	-67.61	117.64	38.09	34.7	12.4	35.16	386	84	P	V
	*	5795	109.53	-	-	97.43	34.8	12.47	35.17	386	84	P	V
	*	5795	101.52	-	-	89.42	34.8	12.47	35.17	386	84	A	V
		5854.2	53.39	-59.23	112.62	41.15	34.9	12.52	35.18	386	84	P	V
		5873.4	52.39	-53.26	105.65	40.15	34.9	12.53	35.19	386	84	P	V
	5903.4	51.88	-32.27	84.15	39.62	34.9	12.55	35.19	386	84	P	V	
	5938.4	51.87	-16.33	68.2	39.53	34.97	12.57	35.2	386	84	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5629.8	55.28	-12.92	68.2	43.42	34.7	12.31	35.15	100	115	P	H
		5683.2	64.33	-28.47	92.8	52.53	34.6	12.36	35.16	100	115	P	H
		5714.6	65.86	-43.43	109.29	53.93	34.7	12.39	35.16	100	115	P	H
		5721.8	68.14	-46.76	114.9	56.2	34.7	12.4	35.16	100	115	P	H
	*	5775	109.38	-	-	97.33	34.77	12.45	35.17	100	115	P	H
	*	5775	100.75	-	-	88.7	34.77	12.45	35.17	100	115	A	H
		5853.8	69.49	-44.05	113.54	57.26	34.9	12.51	35.18	100	115	P	H
		5856.6	70.28	-40.07	110.35	58.04	34.9	12.52	35.18	100	115	P	H
		5876.6	62.75	-41.26	104.01	50.51	34.9	12.53	35.19	100	115	P	H
		5937.4	54.54	-13.66	68.2	42.2	34.97	12.57	35.2	100	115	P	H
		5649	52.89	-15.31	68.2	41.11	34.6	12.33	35.15	375	259	P	V
		5676	57.33	-30.15	87.48	45.52	34.6	12.36	35.15	375	259	P	V
		5710.2	58.14	-49.92	108.06	46.21	34.7	12.39	35.16	375	259	P	V
		5723	59.06	-58.58	117.64	47.12	34.7	12.4	35.16	375	259	P	V
	*	5775	105.1	-	-	93.05	34.77	12.45	35.17	375	259	P	V
	*	5775	98.65	-	-	86.6	34.77	12.45	35.17	375	259	A	V
		5851	58.78	-61.14	119.92	46.55	34.9	12.51	35.18	375	259	P	V
		5857.4	59.61	-50.52	110.13	47.37	34.9	12.52	35.18	375	259	P	V
		5876	56.68	-47.78	104.46	44.44	34.9	12.53	35.19	375	259	P	V
		5926	52.63	-15.57	68.2	40.3	34.97	12.56	35.2	375	259	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11550	42.55	-31.45	74	42.31	38.3	19.32	57.38	100	0	P	H
HE80 Full		17325	50.08	-18.12	68.2	39.92	41.52	24.98	56.34	100	0	P	H
CH 155		11550	43.38	-30.62	74	43.14	38.3	19.32	57.38	100	0	P	V
5775MHz		17325	50.37	-17.83	68.2	40.21	41.52	24.98	56.34	100	0	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_Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 155 5775MHz		5643	51.25	-16.95	68.2	39.48	34.6	12.32	35.15	100	92	P	H
		5697	61.31	-41.68	102.99	49.39	34.7	12.38	35.16	100	92	P	H
		5719.4	64.87	-45.76	110.63	52.93	34.7	12.4	35.16	100	92	P	H
		5724.4	65.31	-55.52	120.83	53.37	34.7	12.4	35.16	100	92	P	H
	*	5775	109.22	-	-	97.17	34.77	12.45	35.17	100	92	P	H
	*	5775	102.18	-	-	90.13	34.77	12.45	35.17	100	92	A	H
		5852	59.14	-58.5	117.64	46.91	34.9	12.51	35.18	100	92	P	H
		5860	59.16	-50.24	109.4	46.93	34.9	12.52	35.19	100	92	P	H
		5882.2	54.96	-44.89	99.85	42.72	34.9	12.53	35.19	100	92	P	H
		5940.4	53.06	-15.14	68.2	40.69	35	12.57	35.2	100	92	P	H
		5643	50.73	-17.47	68.2	38.96	34.6	12.32	35.15	394	270	P	V
		5690.6	53.79	-44.48	98.27	41.88	34.7	12.37	35.16	394	270	P	V
		5708.8	54.01	-53.66	107.67	42.08	34.7	12.39	35.16	394	270	P	V
		5721	54.16	-58.92	113.08	42.22	34.7	12.4	35.16	394	270	P	V
	*	5775	106.26	-	-	94.21	34.77	12.45	35.17	394	270	P	V
	*	5775	97.79	-	-	85.74	34.77	12.45	35.17	394	270	A	V
		5853.6	53	-60.99	113.99	40.77	34.9	12.51	35.18	394	270	P	V
		5855.4	52.35	-58.34	110.69	40.11	34.9	12.52	35.18	394	270	P	V
	5893	53.78	-38.06	91.84	41.53	34.9	12.54	35.19	394	270	P	V	
	5949.4	52.44	-15.76	68.2	40.06	35	12.58	35.2	394	270	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)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5625.2	50.67	-17.53	68.2	38.8	34.7	12.31	35.14	100	91	P	H
		5699.2	58.85	-45.76	104.61	46.93	34.7	12.38	35.16	100	91	P	H
		5709.8	61.37	-46.58	107.95	49.44	34.7	12.39	35.16	100	91	P	H
		5722.4	61.46	-54.81	116.27	49.52	34.7	12.4	35.16	100	91	P	H
	*	5775	109.3	-	-	97.25	34.77	12.45	35.17	100	91	P	H
	*	5775	102.22	-	-	90.17	34.77	12.45	35.17	100	91	A	H
		5852.6	62.83	-53.44	116.27	50.6	34.9	12.51	35.18	100	91	P	H
		5855	61.76	-49.04	110.8	49.52	34.9	12.52	35.18	100	91	P	H
		5880.4	60.42	-40.77	101.19	48.18	34.9	12.53	35.19	100	91	P	H
		5925.6	53.08	-15.12	68.2	40.75	34.97	12.56	35.2	100	91	P	H
		5643.4	50.79	-17.41	68.2	39.02	34.6	12.32	35.15	385	88	P	V
		5692	57.48	-41.82	99.3	45.57	34.7	12.37	35.16	385	88	P	V
		5702.6	58.74	-47.19	105.93	46.82	34.7	12.38	35.16	385	88	P	V
		5723.4	58.15	-60.4	118.55	46.21	34.7	12.4	35.16	385	88	P	V
	*	5775	107.09	-	-	95.04	34.77	12.45	35.17	385	88	P	V
	*	5775	98.9	-	-	86.85	34.77	12.45	35.17	385	88	A	V
		5852.8	58.59	-57.23	115.82	46.36	34.9	12.51	35.18	385	88	P	V
		5856	56.29	-54.23	110.52	44.05	34.9	12.52	35.18	385	88	P	V
	5876	53.22	-51.24	104.46	40.98	34.9	12.53	35.19	385	88	P	V	
	5940.6	51.42	-16.78	68.2	39.05	35	12.57	35.2	385	88	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

WIFI 802.11a (SHF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		38504	45.17	-23.03	68.2	50.64	44	11.53	61	150	0	P	H
SHF		38526	45.46	-22.74	68.2	50.85	44.05	11.54	60.98	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		30.81	28.86	-11.14	40	33.82	24.12	0.93	30.01	100	0	P	H
		170.4	25.89	-17.61	43.5	38.19	15.46	2.18	29.94	-	-	P	H
		297.03	27.55	-18.45	46	35.42	19.22	2.81	29.9	-	-	P	H
		499.5	30.05	-15.95	46	32.51	23.86	3.55	29.87	-	-	P	H
		745.9	34.43	-11.57	46	31.99	27.77	4.24	29.57	-	-	P	H
		955.2	33.25	-12.75	46	26.5	30.53	4.89	28.67	-	-	P	H
		30	32.4	-7.6	40	37.19	24.32	0.9	30.01	100	0	P	V
		92.64	32.11	-11.39	43.5	45.37	15.08	1.63	29.97	-	-	P	V
		264.9	22.62	-23.38	46	30.18	19.69	2.66	29.91	-	-	P	V
		794.9	31.67	-14.33	46	28.98	27.77	4.38	29.46	-	-	P	V
		905.5	31.8	-14.2	46	27.21	28.87	4.68	28.96	-	-	P	V
		954.5	33.84	-12.16	46	27.14	30.48	4.89	28.67	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	20~26°C
		Relative Humidity :	47~56%

Note symbol

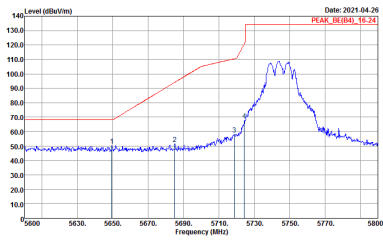
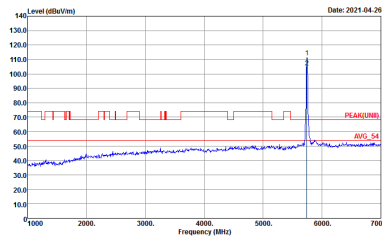
-L	Low channel location
-R	High channel location



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(84)_16-24 3m HF_ANT_0007562 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(URB) 3m HF_ANT_0007562 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_SREB_HL_15-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

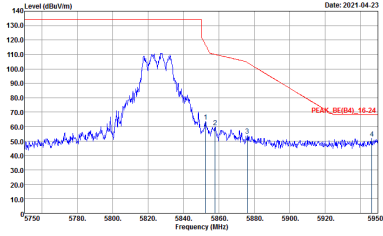
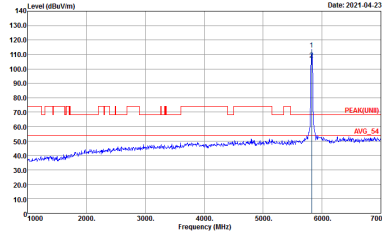


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN1) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



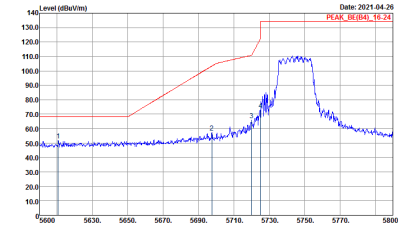
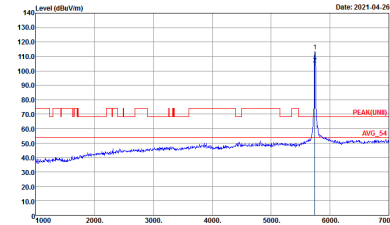
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_SREB_HL_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



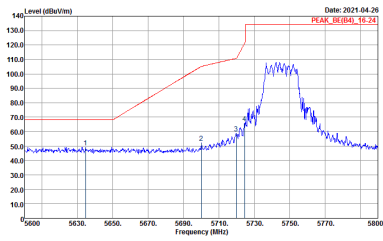
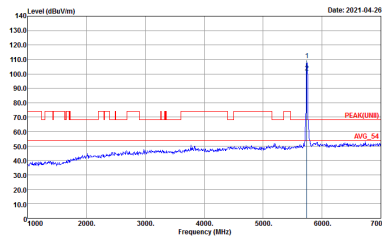
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_SREB_HL_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UWB) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_RE(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(00B) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>

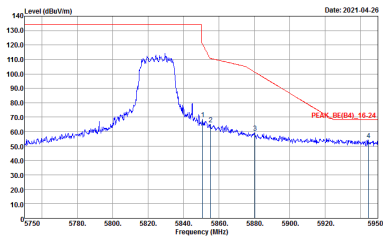
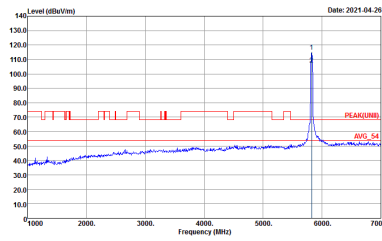


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</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 : 03CH07-HY Condition : PEAK_SREB_HL_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz 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 : 03CH07-HY Condition : : PEAK_SREB_HL_15-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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>Date: 2021-05-05 PEAK_BE(B4)_TE(24)</p> <p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2021-05-05 PEAK(LIN)B RIS_54</p> <p>Site : 03CH07-HY Condition : PEAK(LIN)I 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK_RE(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN)1 3m HF_ANT_00075962 VERTICAL : 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	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_SREB_HL_15-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



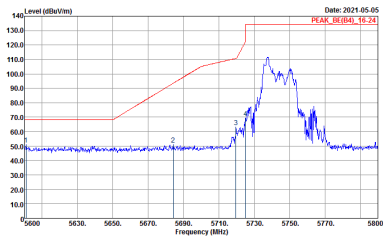
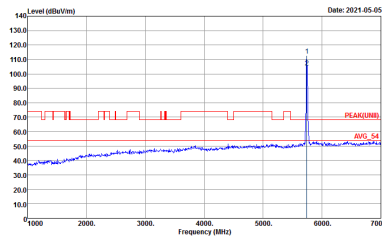
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LINB) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



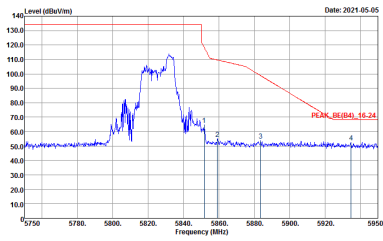
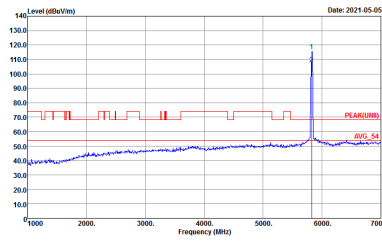
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN)B 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>

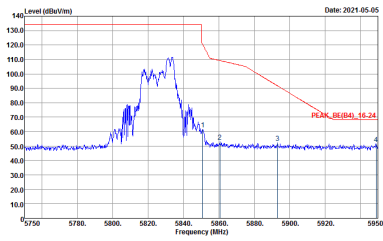
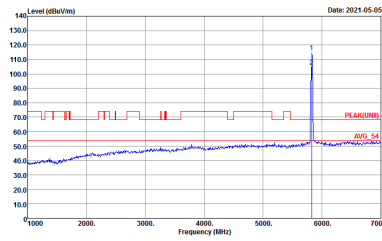


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_RE(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UM) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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>Date: 2021-05-05</p> <p>Site : 03CH07-HY Condition : PEAK_SREB_HL_15-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2021-05-05</p> <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz 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 : 03CH07-HY Condition : PEAK_SREB_HL_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UWB) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



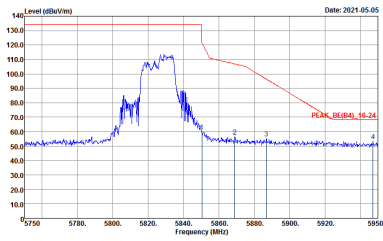
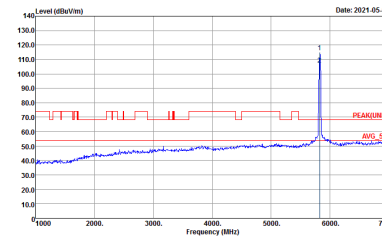
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Date: 2021-05-05 PEAK: BE(B4)_TE(24)</p> <p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2021-05-05 PEAK(LIN) : BE(B4)_TE(24)</p> <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>

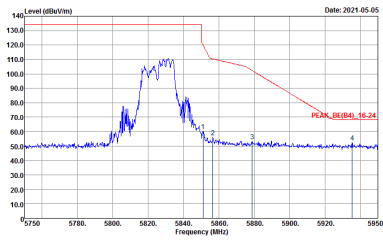
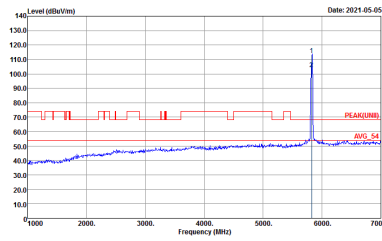


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_RE(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(04)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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 : :03CH07-HY Condition : :PEAK_SREB_HL_16-24 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : :03CH07-HY Condition : :PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz 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 : 03CH07-HY Condition : PEAK_SREB_HL_15-24 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz 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
<p align="center">Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_15-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN)1 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<p align="center">Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_15-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p align="center">Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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 HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK_BE(B4)_1E-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN)1 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_1E-24 3m HF_ANT_00075962 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		
Peak		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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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		
Peak		Left blank



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(04)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(UN0) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(04)_16-24 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 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
<p>Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<p>Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</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 : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



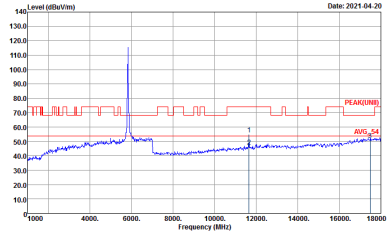
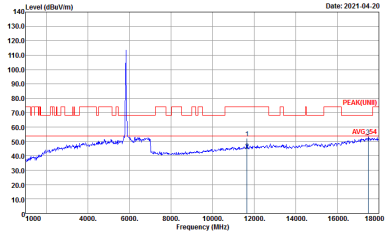
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 09CH07-HY Condition : PEAK(AVG) 3m HE_ANT_00075962 HORIZONTAL</p>	<p>Site : 09CH07-HY Condition : PEAK(AVG) 3m HE_ANT_00075962 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : (8)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : (8)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
<p>Peak Avg.</p>	 <p>Site : (8)CH2-RF Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : (8)CH2-RF Condition : PEAK(LIN) 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : (8)CH27-4R Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : (8)CH27-4R Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : (8)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : (8)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : (E)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : (E)CH27-4R Condition : PEAK(LIN) 3m HF_ANT_00075962 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 : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 VERTICAL</p>



Emission above 18GHz
5GHz WIFI 802.11a (SHF)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 09CH07-HY Condition : PEAK(AVG) 1m SHF-EHF_9170251 HORIZONTAL</p>	<p>Site : 09CH07-HY Condition : PEAK(AVG) 1m SHF-EHF_9170251 VERTICAL</p>



Emission below 1GHz
5GHz WIFI 802.11a (LF)

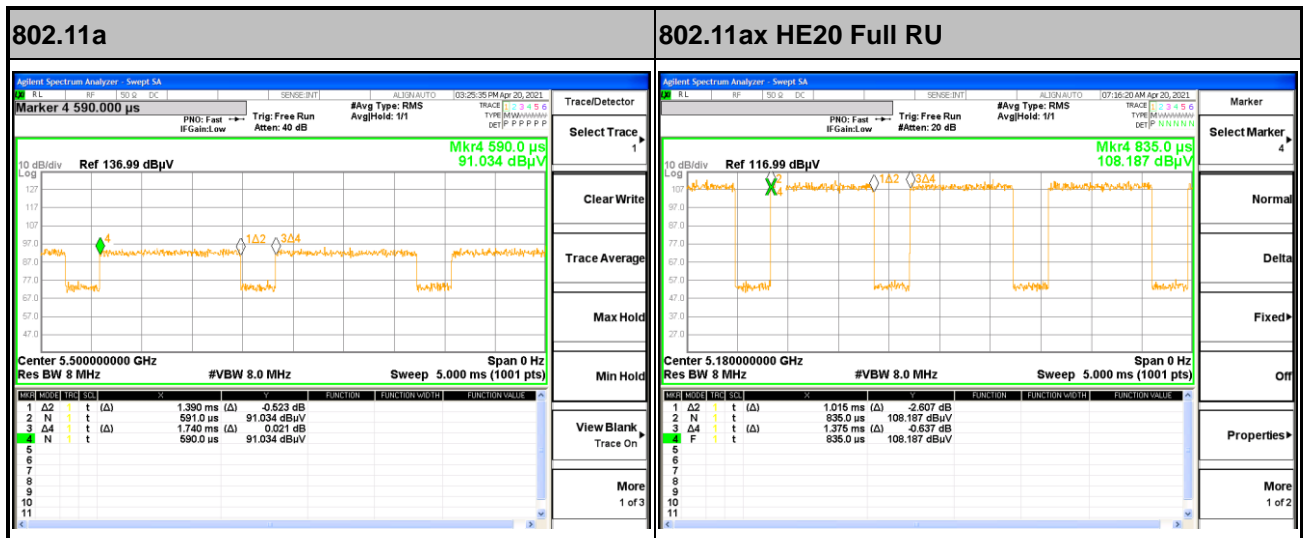
WIFI	5GHz WIFI	
ANT	802.11a LF	
0+1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : GP 3m LF-ANT-35419(6) HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : GP 3m LF-ANT-35419(6) VERTICAL</p>



Appendix E. Duty Cycle Plots

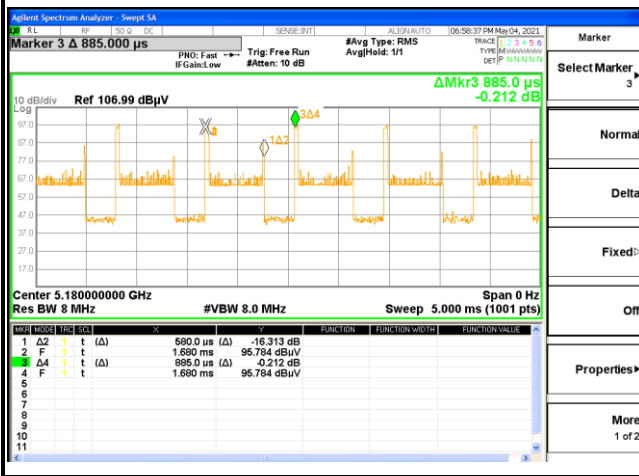
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0+1	802.11a	79.89	1390	0.72	1kHz	0.98
0+1	5GHz 802.11ax HE20 Full RU	73.82	1015	0.99	1kHz	1.32
0+1	5GHz 802.11ax HE20 26 RU	65.54	580	1.72	3kHz	1.84
0+1	5GHz 802.11ax HE20 52 RU	60.37	495	2.02	3kHz	2.19
0+1	5GHz 802.11ax HE20 106 RU	57.33	430	2.33	3kHz	2.42
0+1	5GHz 802.11ax HE40 Full RU	58.19	515	1.94	3kHz	2.35
0+1	5GHz 802.11ax HE40 242 RU	53.96	375	2.67	3kHz	2.68
0+1	5GHz 802.11ax HE80 Full RU	44.44	280	3.57	10kHz	3.52
0+1	5GHz 802.11ax HE80 484 RU	52.11	370	2.70	3kHz	2.83

MIMO <Ant. 0+1>

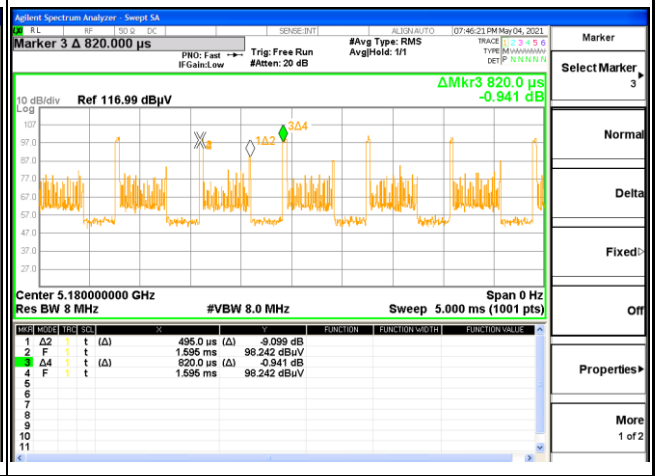




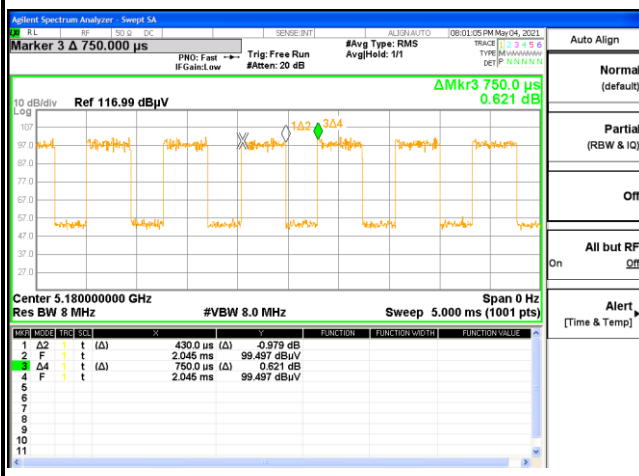
802.11ax HE20 26 RU



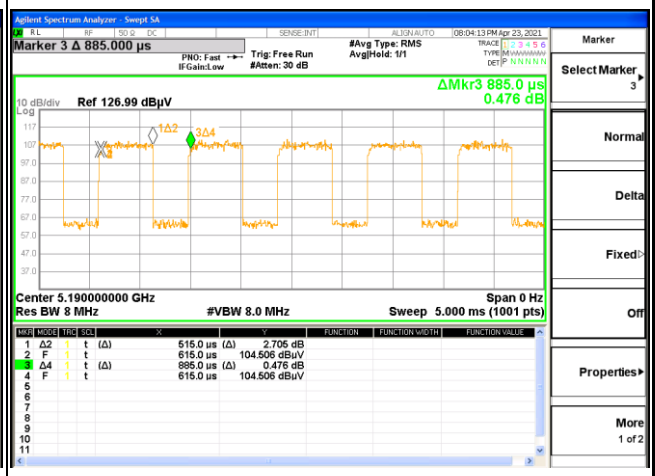
802.11ax HE20 52 RU

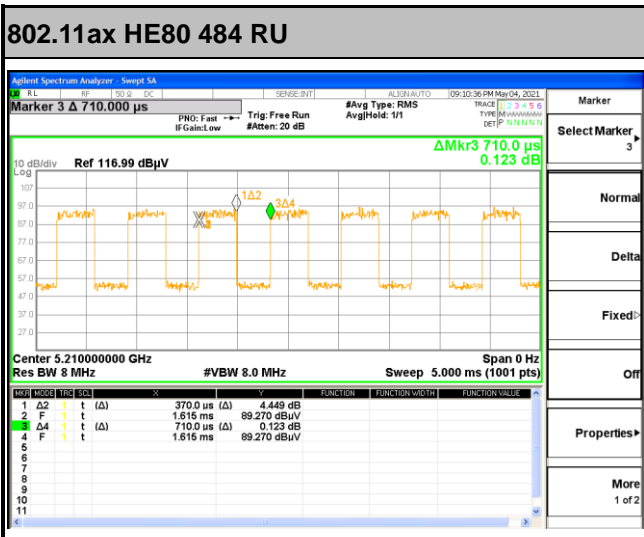
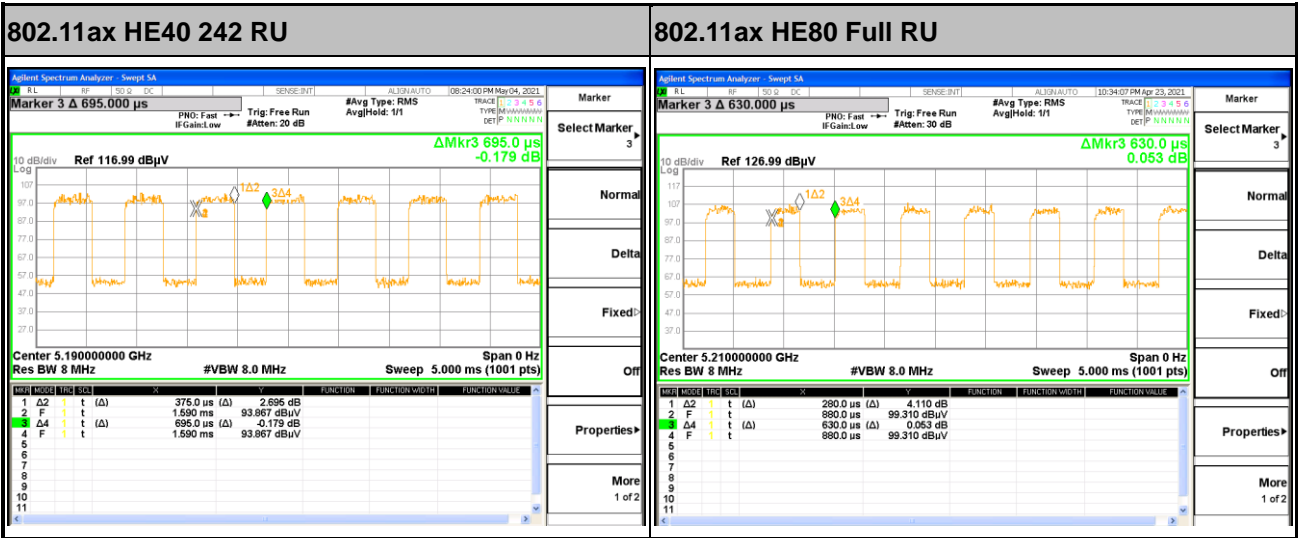


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802.11ax HE40 Full RU





—THE END—