FCC RADIO TEST REPORT

FCC ID	:	**PY7-26726G**
Equipment	:	**GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS, WPC and NFC**
Brand Name	:	**Sony**
Applicant	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan**
Manufacturer	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 22, 2020 and testing was started from Dec. 31, 2020 and completed on Mar. 11, 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
FR0D2215F	01	Initial issue of report	Mar. 26, 2021
FR0D2215F	02	1. Add remark description in Test Mode and Appendix A 2. Revise data plots title in sections 3.1.5 and 3.3.5	Apr. 07, 2021
FR0D2215F	03	Remove test data	Apr. 16, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 6.07 dB at 18000.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 12.78 dB at 0.337 MHz
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: Wii Chang

Report Producer: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac/ax, NFC, FM Receiver, WPC/WPT, and GNSS.

Product Specification subjective to this standard	
Antenna Type / Gain	**<Ant. 0>:** Loop Antenna with gain -1.6 dBi **<Ant. 1>:** Monopole Antenna with gain -9.0 dBi

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

EUT Information List			
HW Version	**SW Version**	**S/N**	**Performed Test Item**
A	0.325	QV72002N5Z QV72002F5Z	RF conducted measurement
	0.325	QV7200H36F	Radiated Spurious Emission
	1.48	QV7200LU6F	AC Conducted Emission

Accessory List	
AC Adapter	Model Name : XQZ-UC1
	S/N : 0020W51300105 (for Radiated Spurious Emission) 0020W51300024 (for Conducted Emission)
Earphone	Model Name : STH40D
	S/N : N/A
Bluetooth Earphone	Model Name : SBH82D
	S/N : N/A
USB Cable	Model Name : XQZ-UB1
	S/N : N/A
Wireless Charger	Model Name.: F7U050
	S/N : 26S10EHC828473

Note:

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report. .
3. For other wireless features of this EUT, test report will be issued separately.

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH05-HY, CO05-HY, DFS02-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH16-HY (TAF Code: 3786)
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory

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

FCC designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane and WPC Charging Mode) 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 "#" 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.

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 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + USB Cable (Charging from AC Adapter) + Battery

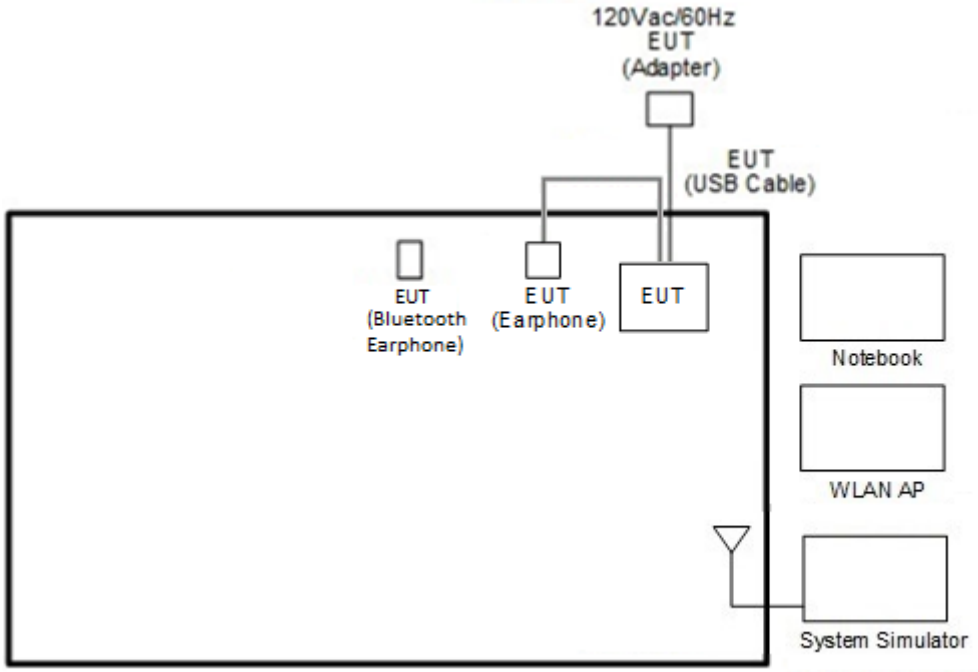
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

Remark:

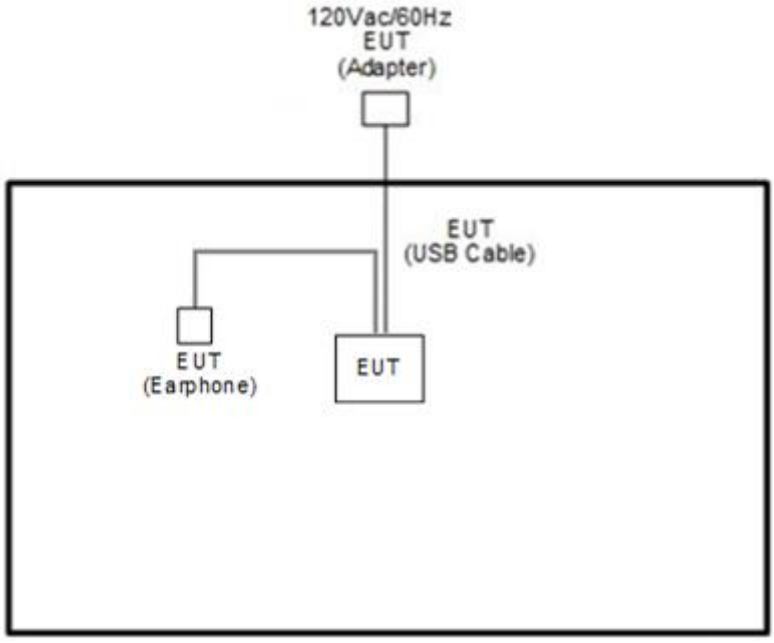
1. For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.
2. For Radiated Spurious Emission Test Items, Ant. 0 means Chain 0 and Ant. 1 means Chain 1.
3. Since the verify power, the same operating range bandwidth and smaller power can be covered by the higher power.

2.3 Connection Diagram of Test System

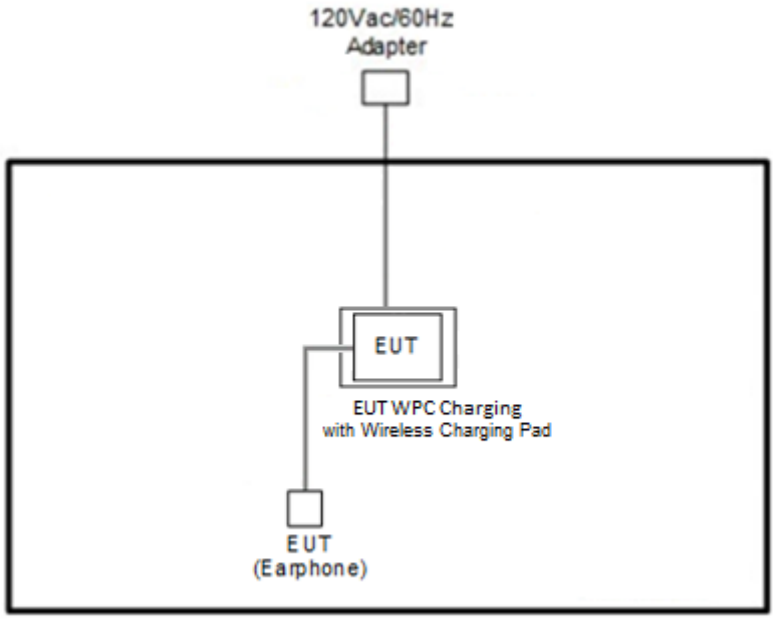
<AC Conducted Emission Mode>



<WLAN TX Mode>



<WPC Charging Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “FTMC_bridge V_0.39” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

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

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

26dB and 99% Occupied bandwidth are reporting only.

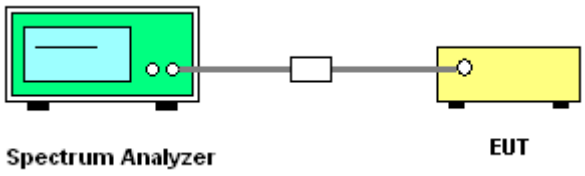
3.1.2 Measuring Instruments

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 ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup

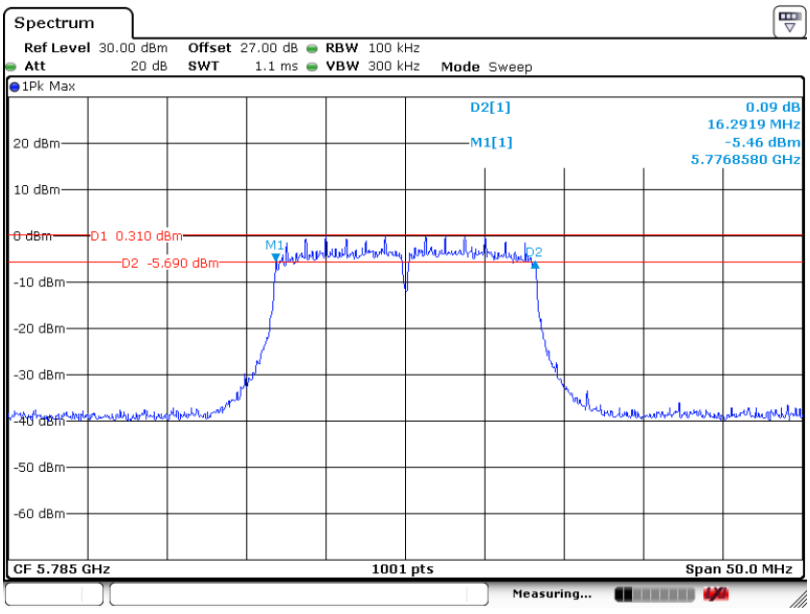


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

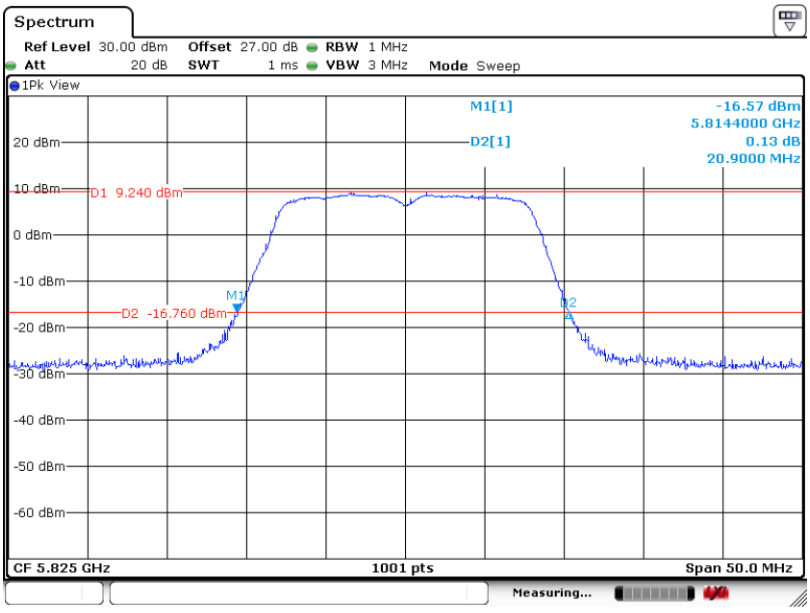
Please refer to Appendix A.

<For 802.11a Mode>

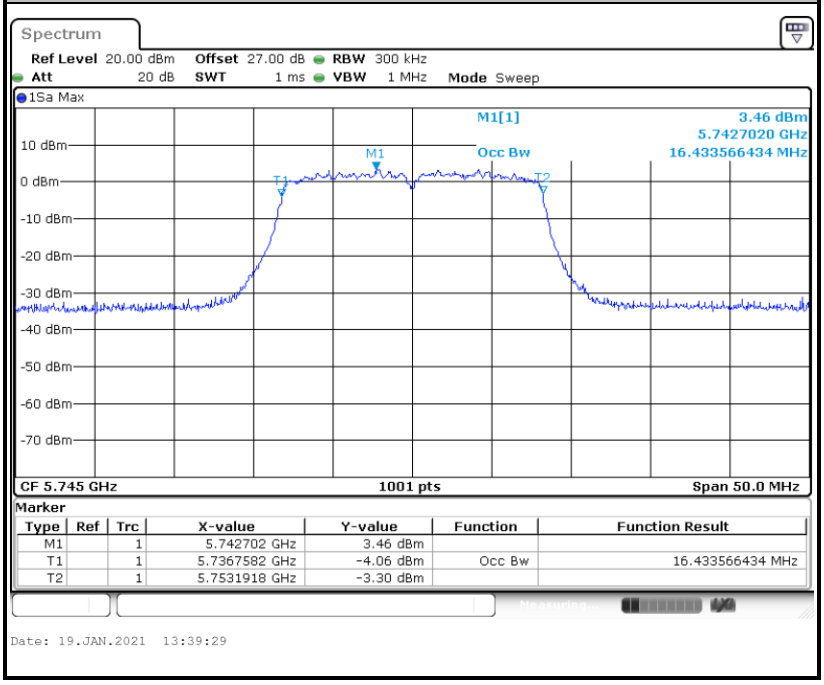
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth

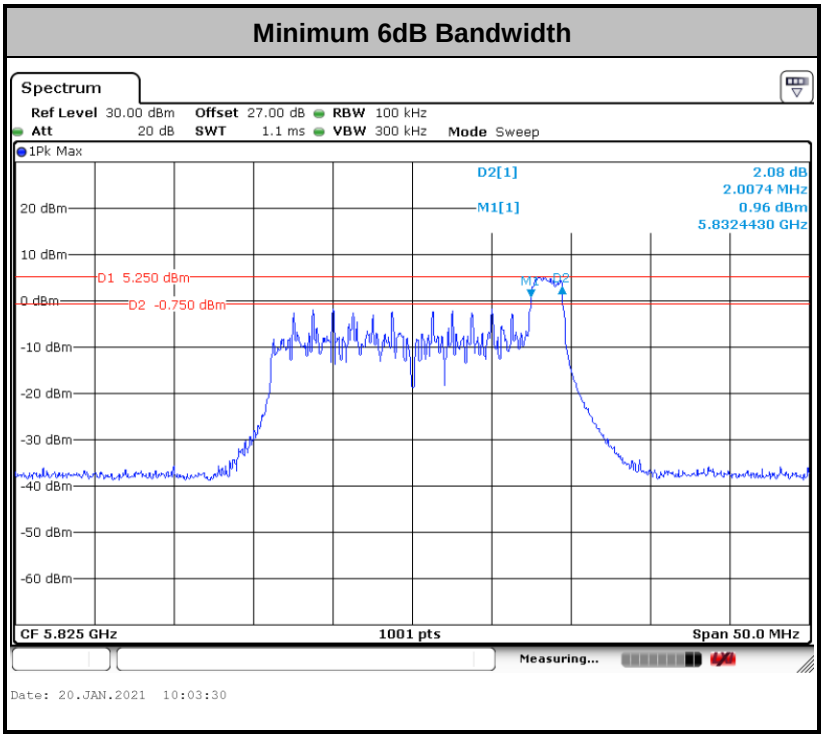


Maximum 99% Occupied Bandwidth

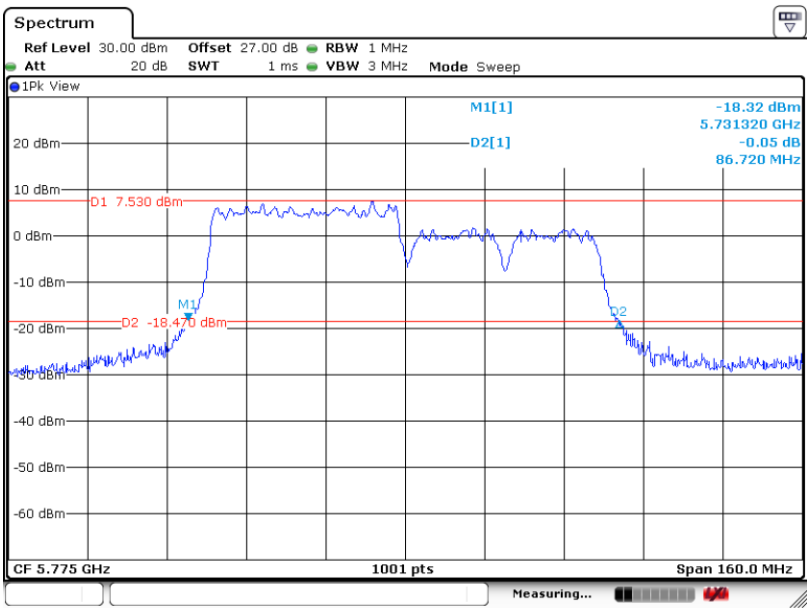


<For 802.11ax Mode>

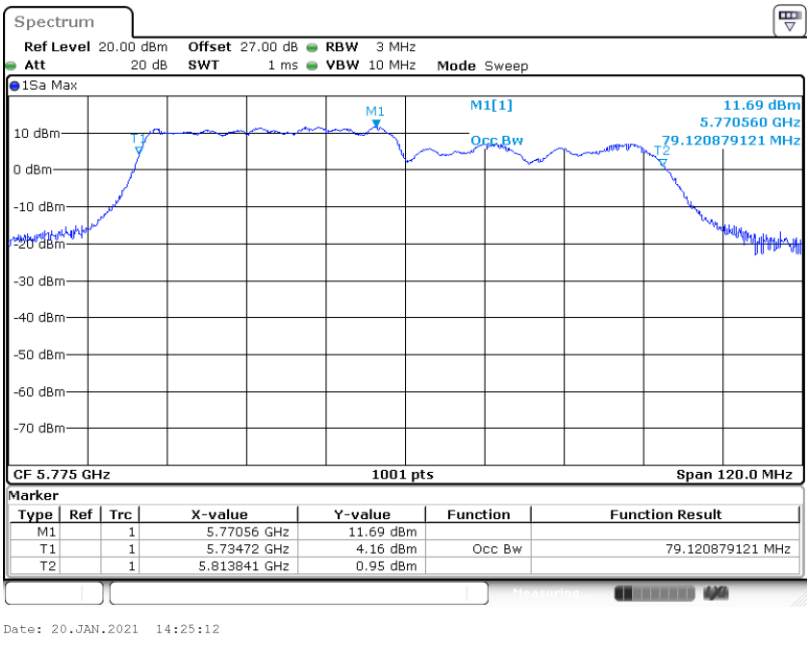
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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.

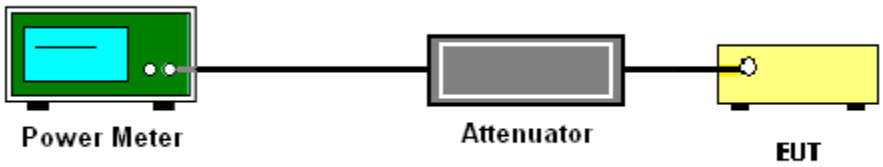
3.2.3 Test Procedures

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.

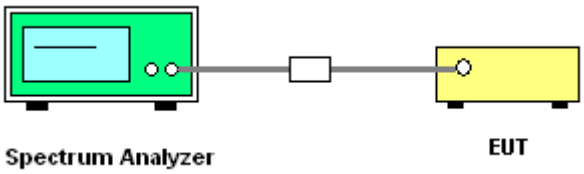
 # Method SA-3 #

(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 ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (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

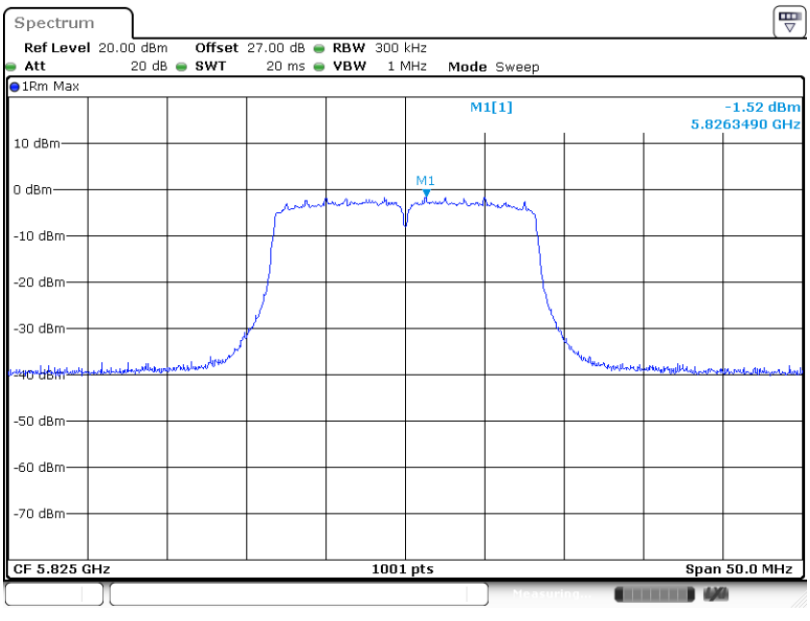


3.3.5 Test Result of Power Spectral Density

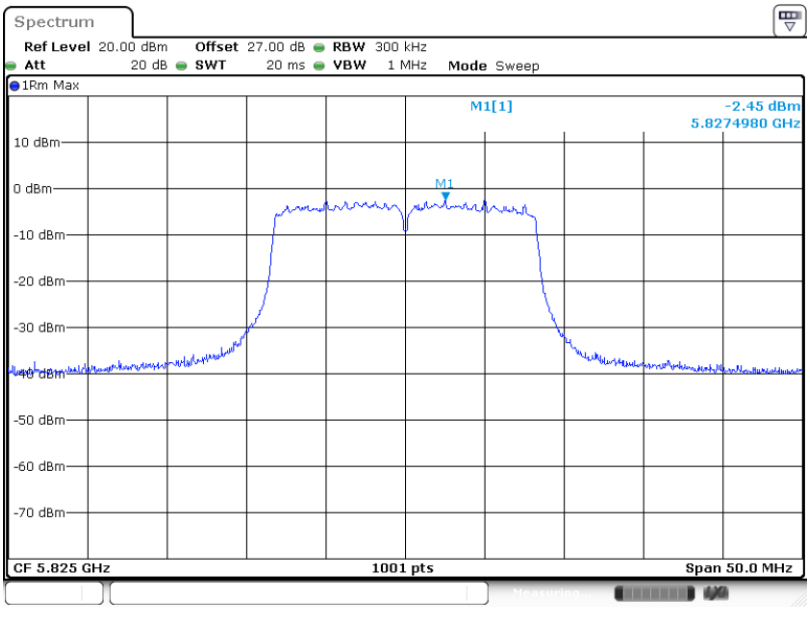
Please refer to Appendix A.

<For 802.11a Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0

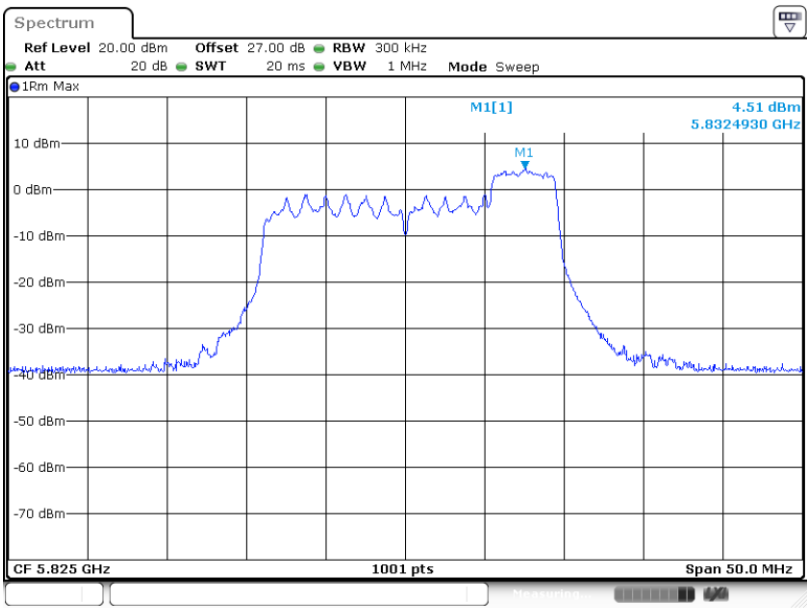


Worst Case Power Density (dBm/MHz) for MIMO Ant. 1

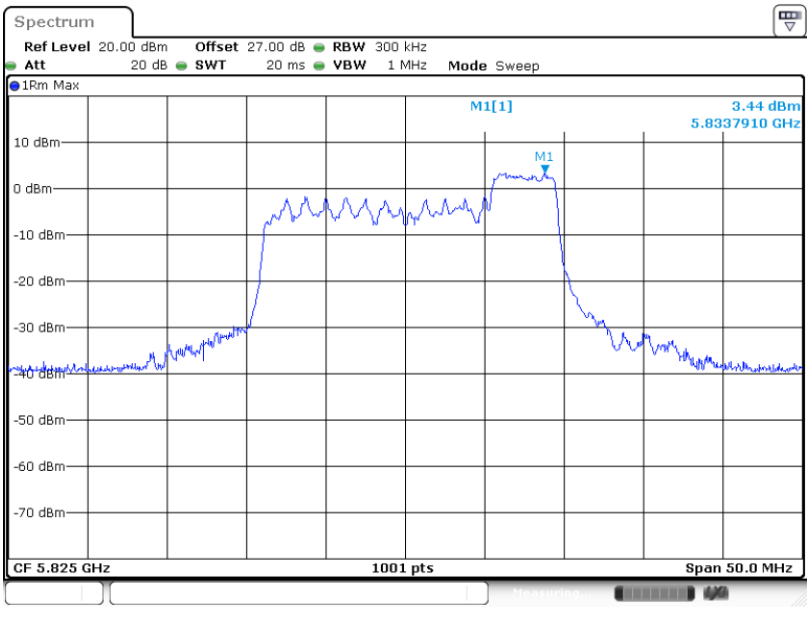


<For 802.11ax Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0



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



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

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

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

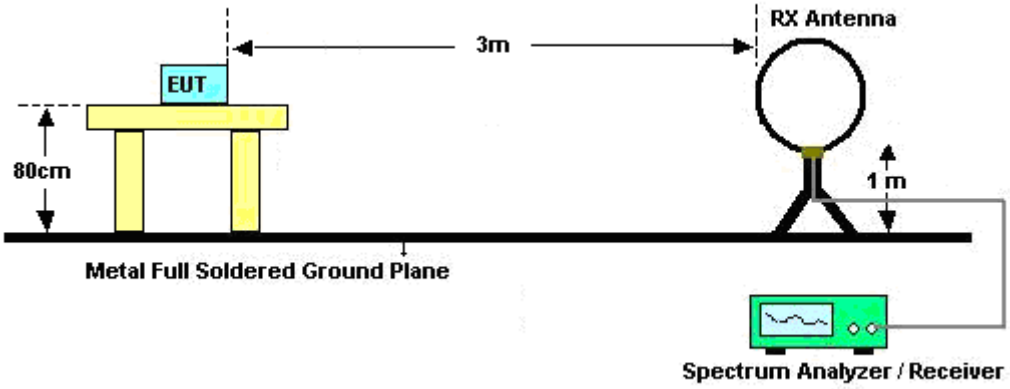
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

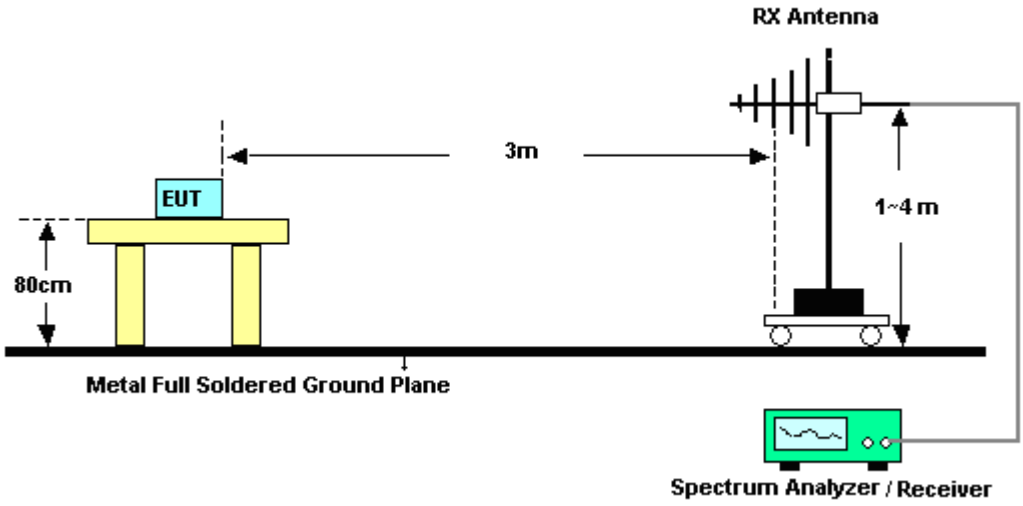
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again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

3.4.4 Test Setup

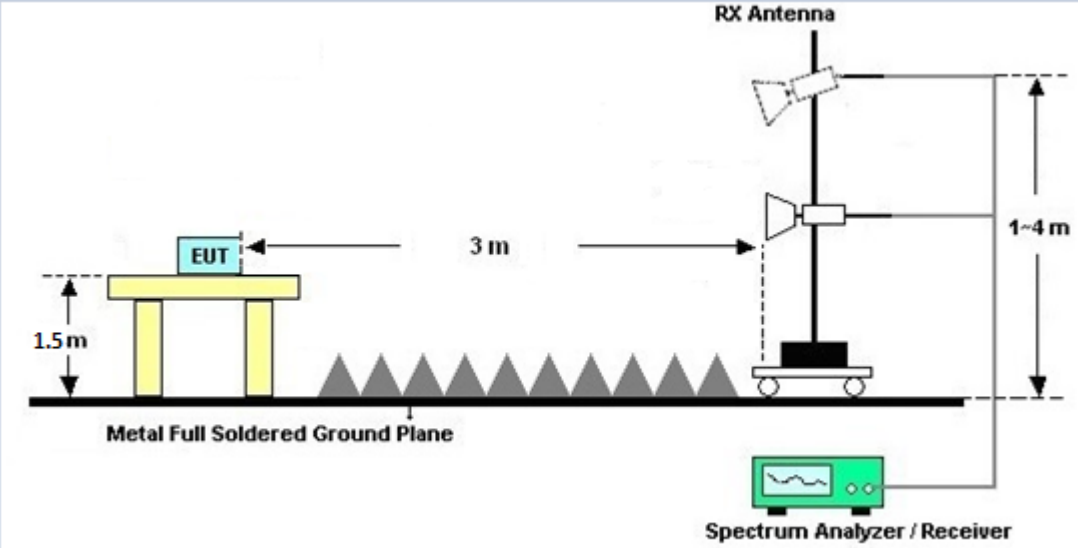
For radiated emissions below 30MHz



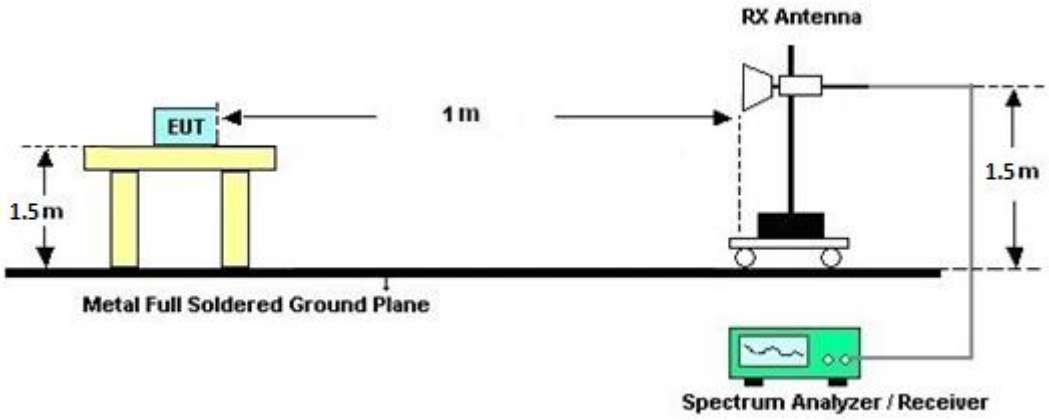
For radiated emissions from 30MHz to 1GHz



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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

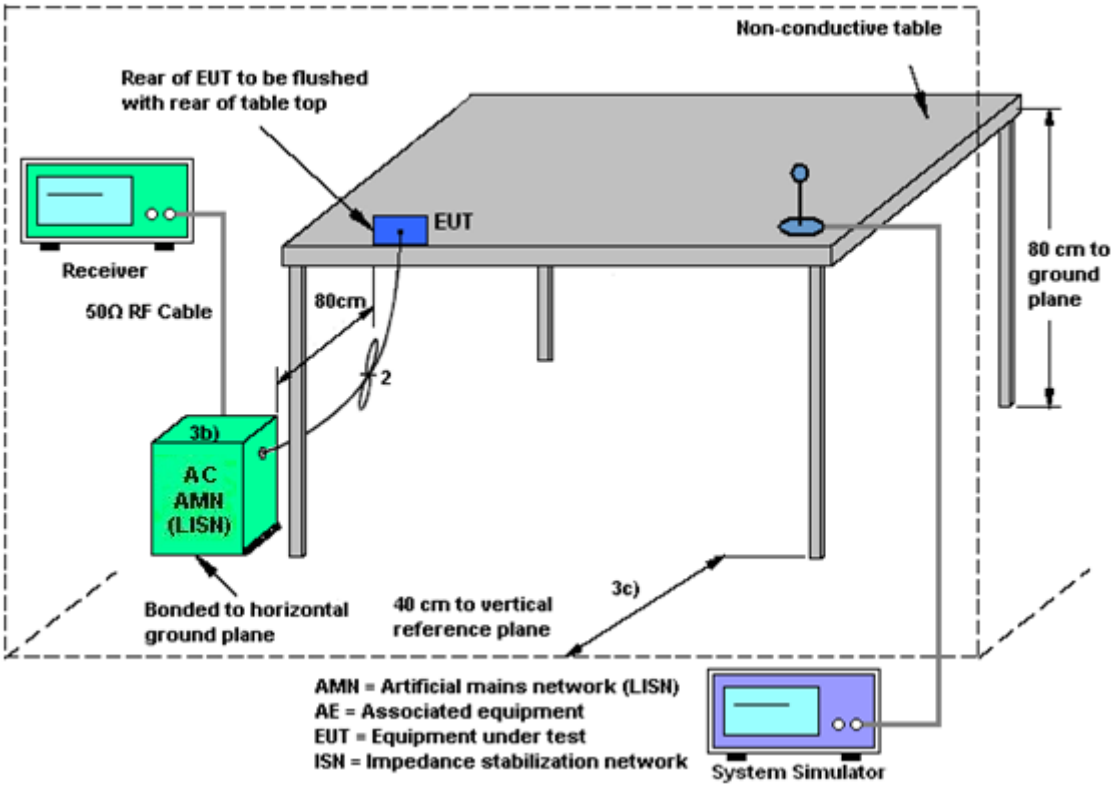
3.5.2 Measuring Instruments

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.

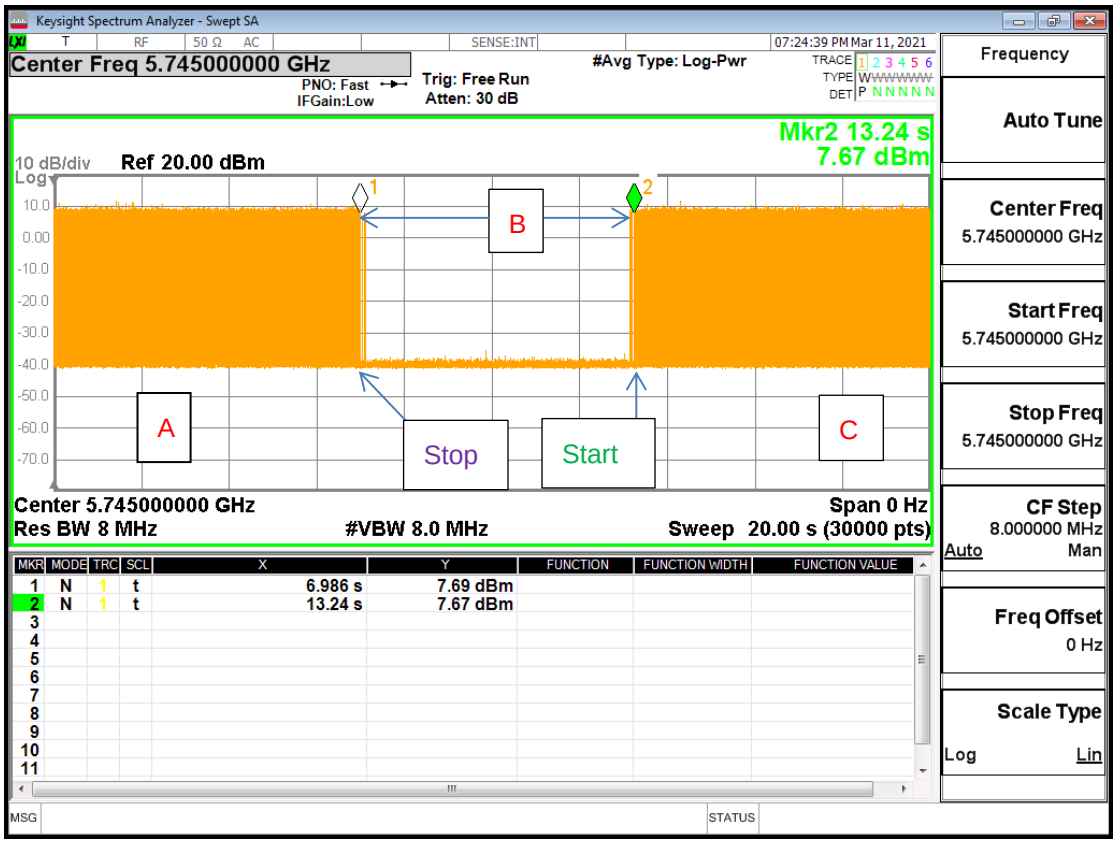
B. Information stop: stop supplying information to the access point.

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.

5745MHz



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

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

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

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

<CDD Modes>

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 0 (dBi)	Ant. 1 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	-1.60	-9.00	-1.60	-1.52	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Feb. 25, 2021~ Mar. 11, 2021	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01 N-06	47020 & 06	30MHz to 1GHz	Oct. 11, 2020	Feb. 25, 2021~ Mar. 11, 2021	Oct. 10, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30, 2020	Feb. 25, 2021~ Mar. 11, 2021	Sep. 29, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 29, 2020	Feb. 25, 2021~ Mar. 11, 2021	Sep. 28, 2021	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845SE	980729	1-18GHz	Jul. 10, 2020	Feb. 25, 2021~ Mar. 11, 2021	Jul. 09, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~40GHz	May 22, 2020	Feb. 25, 2021~ Mar. 11, 2021	May 21, 2021	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 10, 2020	Feb. 25, 2021~ Mar. 11, 2021	Dec. 09, 2021	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2020	Feb. 25, 2021~ Mar. 11, 2021	Nov. 17, 2021	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Feb. 25, 2021~ Mar. 11, 2021	Jan. 14, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 29, 2020	Feb. 25, 2021~ Mar. 11, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 29, 2020	Feb. 25, 2021~ Mar. 11, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 29, 2020	Feb. 25, 2021~ Mar. 11, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Feb. 25, 2021~ Mar. 11, 2021	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Feb. 25, 2021~ Mar. 11, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 25, 2021~ Mar. 11, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 25, 2021~ Mar. 11, 2021	N/A	Radiation (03CH16-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Dec. 31, 2020~ Jan. 20, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12	10MHz~6GHz	Dec. 16, 2020	Dec. 31, 2020~ Jan. 20, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Dec. 31, 2020~ Jan. 20, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Dec. 31, 2020~ Jan. 20, 2021	Mar. 16, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 27, 2020	Mar. 11, 2021	Aug. 26, 2021	Conducted (DFS02-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 02, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Mar. 02, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Mar. 02, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Mar. 02, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 02, 2021	N/A	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Mar. 02, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Mar. 02, 2021	Feb. 24, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.3**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason huang/Shiming Liu	Temperature:	21~25	°C
Test Date:	2020/12/31~2021/01/20	Relative Humidity:	51~54	%

Remark: For Conducted Test Items, Ant. 0 means Chain 0 and Ant. 1 means Chain 1.

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	16.43	16.38	20.75	20.30	16.34	16.34	0.5	Pass
11a	6Mbps	2	157	5785	16.43	16.38	20.65	20.15	16.29	16.29	0.5	Pass
11a	6Mbps	2	165	5825	16.38	16.38	20.90	20.35	16.29	16.29	0.5	Pass

Report Number : FR0D2215F

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	11.90	11.80	14.86	30.00		-1.60		Pass
11a	6Mbps	2	157	5785	11.90	11.90	14.91	30.00		-1.60		Pass
11a	6Mbps	2	165	5825	11.90	11.90	14.91	30.00		-1.60		Pass
HT20	MCS0	2	149	5745	11.80	11.70	14.76	30.00		-1.60		Pass
HT20	MCS0	2	157	5785	11.80	11.80	14.81	30.00		-1.60		Pass
HT20	MCS0	2	165	5825	11.80	11.80	14.81	30.00		-1.60		Pass
HT40	MCS0	2	151	5755	11.70	11.70	14.71	30.00		-1.60		Pass
HT40	MCS0	2	159	5795	11.70	11.80	14.76	30.00		-1.60		Pass
VHT20	MCS0	2	149	5745	11.80	11.70	14.76	30.00		-1.60		Pass
VHT20	MCS0	2	157	5785	11.80	11.80	14.81	30.00		-1.60		Pass
VHT20	MCS0	2	165	5825	11.80	11.80	14.81	30.00		-1.60		Pass
VHT40	MCS0	2	151	5755	11.70	11.70	14.71	30.00		-1.60		Pass
VHT40	MCS0	2	159	5795	11.70	11.80	14.76	30.00		-1.60		Pass
VHT80	MCS0	2	155	5775	11.80	11.70	14.76	30.00		-1.60		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		0.60	0.11	3.61	30.00		-1.52		Pass
11a	6Mbps	2	157	5785	2.22		0.66	0.17	3.67	30.00		-1.52		Pass
11a	6Mbps	2	165	5825	2.22		0.70	-0.23	3.71	30.00		-1.52		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 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	18.88	18.93	22.40	22.40	18.79	18.74	0.5	Pass
HE20	MCS0	2	149	5745	26/0	18.68	18.48	22.70	21.65	2.05	2.04	0.5	Pass
HE20	MCS0	2	149	5745	52/37	18.48	18.38	22.35	22.95	17.04	17.04	0.5	Pass
HE20	MCS0	2	149	5745	106/53	18.38	18.38	23.10	23.80	18.09	17.14	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.93	18.88	22.25	22.60	18.64	18.79	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.93	18.93	22.45	22.80	18.84	18.54	0.5	Pass
HE20	MCS0	2	165	5825	26/8	18.53	18.43	22.30	21.35	2.01	2.01	0.5	Pass
HE20	MCS0	2	165	5825	52/40	18.33	18.28	22.70	21.85	17.04	17.04	0.5	Pass
HE20	MCS0	2	165	5825	106/54	18.28	18.33	22.40	22.50	17.14	17.19	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.86	37.96	41.31	41.40	37.78	37.51	0.5	Pass
HE40	MCS0	2	151	5755	242/61	37.86	37.76	43.56	42.39	36.61	36.61	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.86	37.96	41.58	41.31	37.69	36.70	0.5	Pass
HE40	MCS0	2	159	5795	242/62	37.76	37.86	42.48	42.48	36.61	36.61	0.5	Pass
HE80	MCS0	2	155	5775	Full	78.04	78.04	82.24	81.92	77.72	75.96	0.5	Pass
HE80	MCS0	2	155	5775	484/65	79.12	79.12	86.72	84.16	77.56	76.60	0.5	Pass
HE80	MCS0	2	155	5775	484/66	78.52	78.28	83.84	83.20	76.60	76.60	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	11.90	11.80	14.86	30.00		-1.60		Pass
HE20	MCS0	2	149	5745	26/0	8.80	8.80	11.81	30.00		-1.60		Pass
HE20	MCS0	2	149	5745	52/37	11.90	11.80	14.86	30.00		-1.60		Pass
HE20	MCS0	2	149	5745	106/53	11.90	11.90	14.91	30.00		-1.60		Pass
HE20	MCS0	2	157	5785	Full	11.90	11.90	14.91	30.00		-1.60		Pass
HE20	MCS0	2	165	5825	Full	11.90	11.90	14.91	30.00		-1.60		Pass
HE20	MCS0	2	165	5825	26/8	8.90	8.80	11.86	30.00		-1.60		Pass
HE20	MCS0	2	165	5825	52/40	11.80	11.80	14.81	30.00		-1.60		Pass
HE20	MCS0	2	165	5825	106/54	11.90	11.90	14.91	30.00		-1.60		Pass
HE40	MCS0	2	151	5755	Full	11.80	11.80	14.81	30.00		-1.60		Pass
HE40	MCS0	2	151	5755	242/61	11.90	11.90	14.91	30.00		-1.60		Pass
HE40	MCS0	2	159	5795	Full	11.80	11.90	14.86	30.00		-1.60		Pass
HE40	MCS0	2	159	5795	242/62	11.70	11.90	14.81	30.00		-1.60		Pass
HE80	MCS0	2	155	5775	Full	11.90	11.80	14.86	30.00		-1.60		Pass
HE80	MCS0	2	155	5775	484/65	11.80	11.80	14.81	30.00		-1.60		Pass
HE80	MCS0	2	155	5775	484/66	11.80	11.90	14.86	30.00		-1.60		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		0.81	0.38	3.82	30.00		-1.52		Pass
HE20	MCS0	2	149	5745	26/0	2.22		5.89	5.89	8.90	30.00		-1.52		Pass
HE20	MCS0	2	149	5745	52/37	2.22		5.95	6.25	9.26	30.00		-1.52		Pass
HE20	MCS0	2	149	5745	106/53	2.22		3.00	3.18	6.19	30.00		-1.52		Pass
HE20	MCS0	2	157	5785	Full	2.22		0.87	-0.05	3.88	30.00		-1.52		Pass
HE20	MCS0	2	165	5825	Full	2.22		1.21	0.46	4.22	30.00		-1.52		Pass
HE20	MCS0	2	165	5825	26/8	2.22		6.31	5.29	9.32	30.00		-1.52		Pass
HE20	MCS0	2	165	5825	52/40	2.22		6.73	5.66	9.74	30.00		-1.52		Pass
HE20	MCS0	2	165	5825	106/54	2.22		4.65	2.97	7.66	30.00		-1.52		Pass
HE40	MCS0	2	151	5755	Full	2.22		-2.45	-2.44	0.57	30.00		-1.52		Pass
HE40	MCS0	2	151	5755	242/61	2.22		0.47	0.45	3.48	30.00		-1.52		Pass
HE40	MCS0	2	159	5795	Full	2.22		-2.64	-2.36	0.65	30.00		-1.52		Pass
HE40	MCS0	2	159	5795	242/62	2.22		0.10	-0.01	3.11	30.00		-1.52		Pass
HE80	MCS0	2	155	5775	Full	2.22		-4.77	-5.21	-1.76	30.00		-1.52		Pass
HE80	MCS0	2	155	5775	484/65	2.22		-3.07	-3.93	-0.06	30.00		-1.52		Pass
HE80	MCS0	2	155	5775	484/66	2.22		-2.68	-3.54	0.33	30.00		-1.52		Pass

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

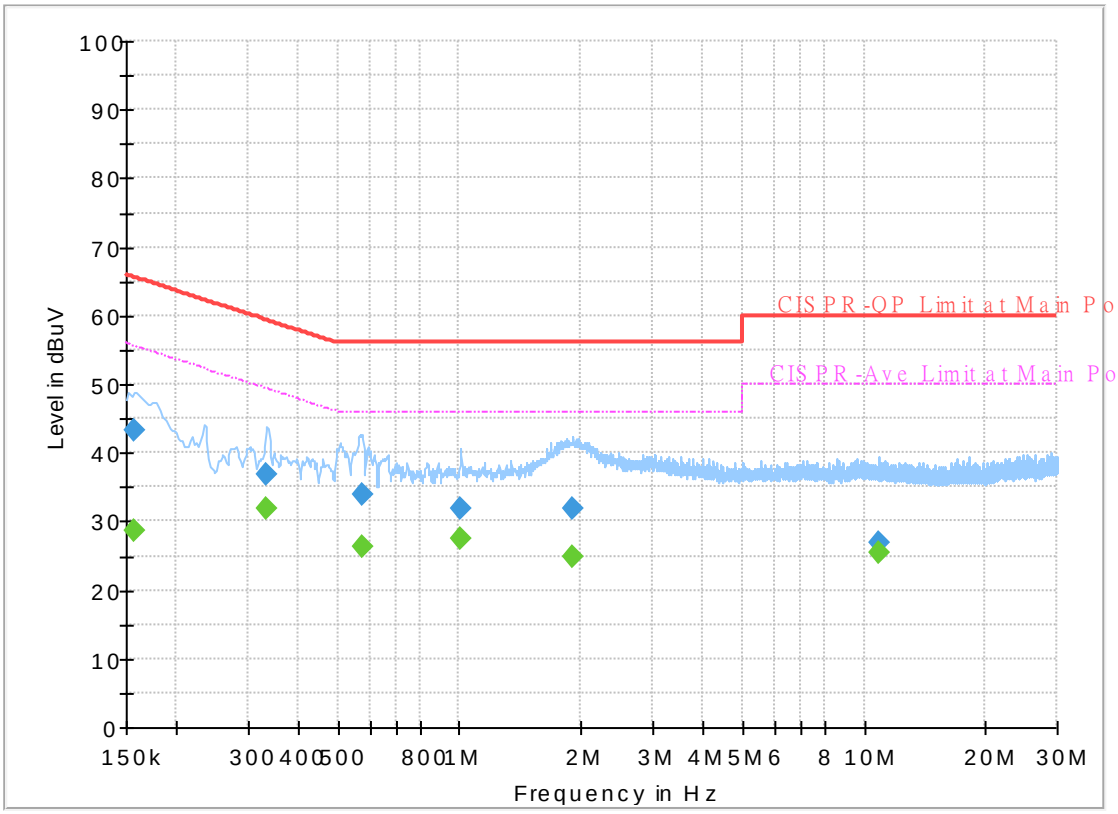
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	0D2215
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



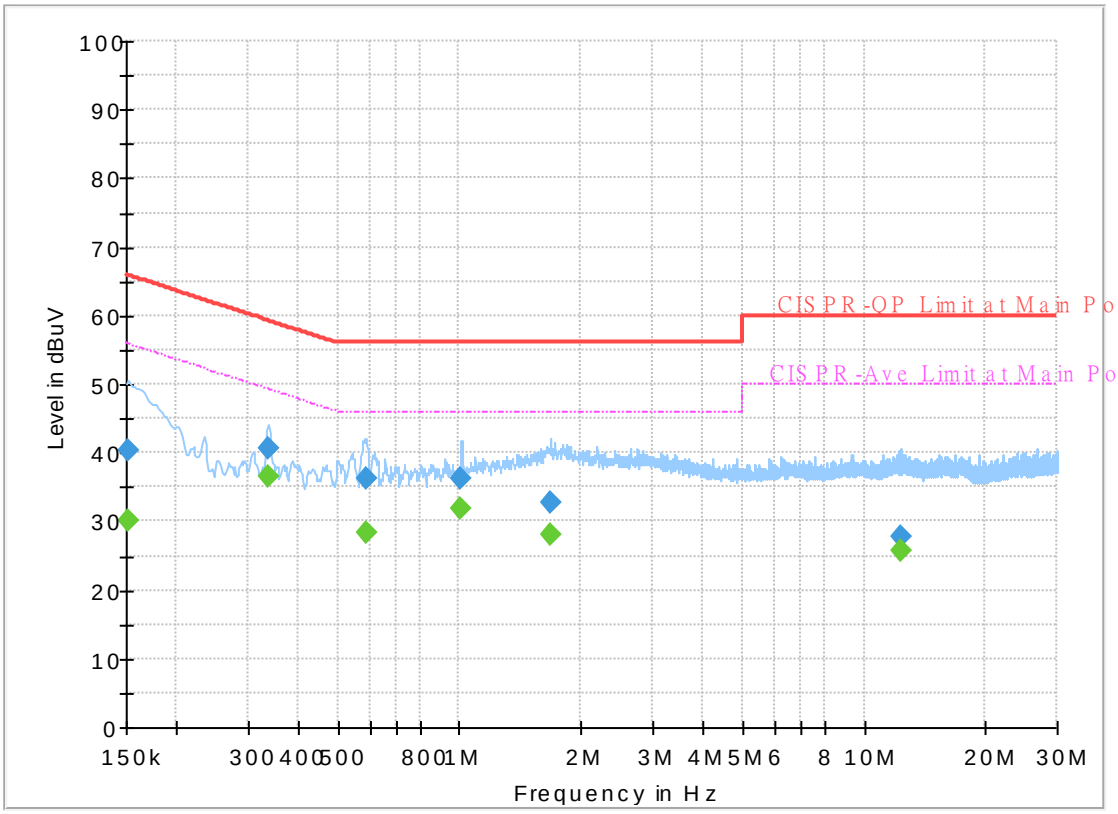
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	28.61	55.63	27.02	L1	OFF	19.5
0.156750	43.19	---	65.63	22.44	L1	OFF	19.5
0.334500	---	31.77	49.34	17.57	L1	OFF	19.5
0.334500	36.90	---	59.34	22.44	L1	OFF	19.5
0.573000	---	26.38	46.00	19.62	L1	OFF	19.7
0.573000	33.99	---	56.00	22.01	L1	OFF	19.7
1.007250	---	27.48	46.00	18.52	L1	OFF	20.0
1.007250	31.79	---	56.00	24.21	L1	OFF	20.0
1.905000	---	24.93	46.00	21.07	L1	OFF	20.0
1.905000	32.01	---	56.00	23.99	L1	OFF	20.0
10.923000	---	25.33	50.00	24.67	L1	OFF	20.0
10.923000	26.85	---	60.00	33.15	L1	OFF	20.0

EUT Information

Report NO :	0D2215
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.21	55.88	25.67	N	OFF	19.5
0.152250	40.32	---	65.88	25.56	N	OFF	19.5
0.336750	---	36.50	49.28	12.78	N	OFF	19.6
0.336750	40.62	---	59.28	18.66	N	OFF	19.6
0.586500	---	28.48	46.00	17.52	N	OFF	19.8
0.586500	36.34	---	56.00	19.66	N	OFF	19.8
1.009500	---	31.97	46.00	14.03	N	OFF	20.1
1.009500	36.12	---	56.00	19.88	N	OFF	20.1
1.686750	---	27.92	46.00	18.08	N	OFF	20.0
1.686750	32.69	---	56.00	23.31	N	OFF	20.0
12.360750	---	25.85	50.00	24.15	N	OFF	20.2
12.360750	27.92	---	60.00	32.08	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou, Caster Liao and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5640.4	53.62	-14.58	68.2	38.1	31.62	13.68	29.78	150	301	P	H
		5665.2	54.18	-25.3	79.48	38.64	31.63	13.7	29.79	150	301	P	H
		5719.2	55.88	-54.7	110.58	40.12	31.82	13.75	29.81	150	301	P	H
		5725	55.04	-67.16	122.2	39.26	31.85	13.75	29.82	150	301	P	H
	*	5745	107.98	-	-	92.06	31.97	13.77	29.82	150	301	P	H
	*	5745	100.63	-	-	84.71	31.97	13.77	29.82	150	301	A	H
													H
													H
		5624.8	53.34	-14.86	68.2	37.81	31.65	13.66	29.78	142	23	P	V
		5670.6	52.98	-30.5	83.48	37.43	31.64	13.7	29.79	142	23	P	V
		5702.2	52.97	-52.85	105.82	37.34	31.71	13.73	29.81	142	23	P	V
		5725	54.25	-67.95	122.2	38.47	31.85	13.75	29.82	142	23	P	V
	*	5745	105.45	-	-	89.53	31.97	13.77	29.82	142	23	P	V
	*	5745	97.62	-	-	81.7	31.97	13.77	29.82	142	23	A	V
													V
													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)
		5615.4	53.4	-14.8	68.2	37.85	31.67	13.65	29.77	160	301	P	H
		5664.4	53.66	-25.23	78.89	38.12	31.63	13.7	29.79	160	301	P	H
		5703.4	53.43	-52.72	106.15	37.79	31.72	13.73	29.81	160	301	P	H
		5720.8	53.23	-59.39	112.62	37.47	31.82	13.75	29.81	160	301	P	H
	*	5785	108.59	-	-	92.62	32	13.81	29.84	160	301	P	H
	*	5785	100.55	-	-	84.58	32	13.81	29.84	160	301	A	H
		5850.6	53.76	-67.07	120.83	37.71	32.1	13.81	29.86	160	301	P	H
		5866.6	53.95	-53.6	107.55	37.88	32.13	13.81	29.87	160	301	P	H
		5881	54.37	-46.37	100.74	38.27	32.16	13.81	29.87	160	301	P	H
		5939.8	54.61	-13.59	68.2	38.42	32.28	13.81	29.9	160	301	P	H
													H
802.11a CH 157 5785MHz													H
		5604.2	53.29	-14.91	68.2	37.73	31.69	13.64	29.77	146	25	P	V
		5697	53.57	-49.42	102.99	37.95	31.69	13.73	29.8	146	25	P	V
		5702.8	53.27	-52.72	105.99	37.63	31.72	13.73	29.81	146	25	P	V
		5722.6	54.06	-62.67	116.73	38.28	31.84	13.75	29.81	146	25	P	V
	*	5785	105.66	-	-	89.69	32	13.81	29.84	146	25	P	V
	*	5785	97.62	-	-	81.65	32	13.81	29.84	146	25	A	V
		5854	52.31	-60.77	113.08	36.25	32.11	13.81	29.86	146	25	P	V
		5861.6	55.07	-53.88	108.95	39.01	32.12	13.81	29.87	146	25	P	V
		5915.4	53.42	-21.86	75.28	37.27	32.23	13.81	29.89	146	25	P	V
		5941.6	56.83	-11.37	68.2	40.64	32.28	13.81	29.9	146	25	P	V
													V
													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)
	*	5825	108.22	-	-	92.2	32.05	13.82	29.85	156	301	P	H
	*	5825	100.79	-	-	84.77	32.05	13.82	29.85	156	301	A	H
		5852.4	53.83	-62.9	116.73	37.78	32.1	13.81	29.86	156	301	P	H
		5870.6	53.34	-53.09	106.43	37.26	32.14	13.81	29.87	156	301	P	H
		5909	54.48	-25.53	80.01	38.34	32.22	13.81	29.89	156	301	P	H
		5928	54.19	-14.01	68.2	38.01	32.26	13.81	29.89	156	301	P	H
													H
802.11a													H
CH 165	*	5825	105.26	-	-	89.24	32.05	13.82	29.85	149	25	P	V
5825MHz	*	5825	87.16	-	-	71.14	32.05	13.82	29.85	149	25	A	V
		5850	54.58	-67.62	122.2	38.53	32.1	13.81	29.86	149	25	P	V
		5872.8	53.5	-52.32	105.82	37.41	32.15	13.81	29.87	149	25	P	V
		5923.8	54.49	-14.59	69.08	38.32	32.25	13.81	29.89	149	25	P	V
		5935.6	54.5	-13.7	68.2	38.32	32.27	13.81	29.9	149	25	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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	49.32	-24.68	74	44.81	39.91	20.11	55.51	100	0	P	H
		17235	51.55	-16.65	68.2	42.22	40.9	25.16	56.73	100	0	P	H
		17934	59.24	-14.76	74	43.17	47.91	25.43	57.27	100	0	P	H
		17934	46.43	-7.57	54	30.36	47.91	25.43	57.27	100	0	A	H
		11490	48.79	-25.21	74	44.28	39.91	20.11	55.51	100	0	P	V
		17235	51.08	-17.12	68.2	41.75	40.9	25.16	56.73	100	0	P	V
		17956	59.1	-14.9	74	42.56	48.38	25.44	57.28	100	0	P	V
		17956	46.94	-7.06	54	30.4	48.38	25.44	57.28	100	0	A	V
802.11a CH 157 5785MHz		11570	49.03	-24.97	74	44.53	39.76	20.18	55.44	100	0	P	H
		17355	51.82	-16.38	68.2	41.91	41.6	25.21	56.9	100	0	P	H
		17978	59.87	-14.13	74	42.88	48.84	25.44	57.29	100	0	P	H
		17978	47.32	-6.68	54	30.33	48.84	25.44	57.29	100	0	A	H
		11570	49.22	-24.78	74	44.72	39.76	20.18	55.44	100	0	P	V
		17355	50.77	-17.43	68.2	40.86	41.6	25.21	56.9	100	0	P	V
		17956	59.66	-14.34	74	43.12	48.38	25.44	57.28	100	0	P	V
		17956	47	-7	54	30.46	48.38	25.44	57.28	100	0	A	V
802.11a CH 165 5825MHz		11650	49.1	-24.9	74	44.7	39.55	20.23	55.38	100	0	P	H
		17475	52.04	-16.16	68.2	41.4	42.45	25.25	57.06	100	0	P	H
		17978	59.41	-14.59	74	42.42	48.84	25.44	57.29	100	0	P	H
		17978	47.5	-6.5	54	30.51	48.84	25.44	57.29	100	0	A	H
		11650	49.35	-24.65	74	44.95	39.55	20.23	55.38	100	0	P	V
		17475	51.54	-16.66	68.2	40.9	42.45	25.25	57.06	100	0	P	V
		17978	60.07	-13.93	74	43.08	48.84	25.44	57.29	100	0	P	V
		17978	47.43	-6.57	54	30.44	48.84	25.44	57.29	100	0	A	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)

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)
		5617.2	53.89	-14.31	68.2	38.33	31.67	13.66	29.77	157	301	P	H
		5688.6	53.9	-42.89	96.79	38.3	31.68	13.72	29.8	157	301	P	H
		5719.2	53.36	-57.22	110.58	37.6	31.82	13.75	29.81	157	301	P	H
		5723.4	57.15	-61.4	118.55	41.37	31.84	13.75	29.81	157	301	P	H
	*	5745	109.82	-	-	93.9	31.97	13.77	29.82	157	301	P	H
	*	5745	99.58	-	-	83.66	31.97	13.77	29.82	157	301	A	H
802.11ax													H
HE20 Full													H
CH 149		5643.4	53.43	-14.77	68.2	37.92	31.61	13.68	29.78	141	27	P	V
5745MHz		5652.2	52.9	-16.94	69.84	37.4	31.6	13.69	29.79	141	27	P	V
		5706	53.09	-53.79	106.88	37.42	31.74	13.74	29.81	141	27	P	V
		5725	54.65	-67.55	122.2	38.87	31.85	13.75	29.82	141	27	P	V
	*	5745	104.85	-	-	88.93	31.97	13.77	29.82	141	27	P	V
	*	5745	94.81	-	-	78.89	31.97	13.77	29.82	141	27	A	V
													V
													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)
		5638.8	53.93	-14.27	68.2	38.42	31.62	13.67	29.78	159	301	P	H
		5659.2	53.8	-21.23	75.03	38.28	31.62	13.69	29.79	159	301	P	H
		5701.8	53.57	-52.13	105.7	37.94	31.71	13.73	29.81	159	301	P	H
		5720.4	53.17	-58.54	111.71	37.41	31.82	13.75	29.81	159	301	P	H
	*	5785	109.77	-	-	93.8	32	13.81	29.84	159	301	P	H
	*	5785	99.44	-	-	83.47	32	13.81	29.84	159	301	A	H
		5850.6	53.97	-66.86	120.83	37.92	32.1	13.81	29.86	159	301	P	H
		5865.4	54.77	-53.12	107.89	38.7	32.13	13.81	29.87	159	301	P	H
		5910.2	55.13	-23.99	79.12	38.99	32.22	13.81	29.89	159	301	P	H
		5946.4	54.71	-13.49	68.2	38.51	32.29	13.81	29.9	159	301	P	H
802.11ax													H
HE20 Full													H
CH 157		5601.2	54.28	-13.92	68.2	38.71	31.7	13.64	29.77	147	27	P	V
5785MHz		5675.4	53.34	-33.7	87.04	37.78	31.65	13.71	29.8	147	27	P	V
		5708.8	53.68	-53.99	107.67	38	31.75	13.74	29.81	147	27	P	V
		5723	53.02	-64.62	117.64	37.24	31.84	13.75	29.81	147	27	P	V
	*	5785	105.66	-	-	89.69	32	13.81	29.84	147	27	P	V
	*	5785	95.04	-	-	79.07	32	13.81	29.84	147	27	A	V
		5853	54.12	-61.24	115.36	38.06	32.11	13.81	29.86	147	27	P	V
		5862.2	54.91	-53.87	108.78	38.85	32.12	13.81	29.87	147	27	P	V
		5898.6	54.7	-33	87.7	38.57	32.2	13.81	29.88	147	27	P	V
		5936.2	55.2	-13	68.2	39.02	32.27	13.81	29.9	147	27	P	V
													V
													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	110.09	-	-	94.07	32.05	13.82	29.85	155	302	P	H
	*	5825	99.58	-	-	83.56	32.05	13.82	29.85	155	302	A	H
		5852.2	56.07	-61.11	117.18	40.02	32.1	13.81	29.86	155	302	P	H
		5873.8	54.39	-51.15	105.54	38.3	32.15	13.81	29.87	155	302	P	H
		5892.4	56.71	-35.58	92.29	40.6	32.18	13.81	29.88	155	302	P	H
		5934.2	54.85	-13.35	68.2	38.66	32.27	13.81	29.89	155	302	P	H
													H
													H
	*	5825	105.07	-	-	89.05	32.05	13.82	29.85	146	26	P	V
	*	5825	94.59	-	-	78.57	32.05	13.82	29.85	146	26	A	V
		5851.6	54.53	-64.02	118.55	38.48	32.1	13.81	29.86	146	26	P	V
		5870.6	53.87	-52.56	106.43	37.79	32.14	13.81	29.87	146	26	P	V
		5913.4	54.95	-21.81	76.76	38.8	32.23	13.81	29.89	146	26	P	V
		5939.4	54.73	-13.47	68.2	38.54	32.28	13.81	29.9	146	26	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax 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)
		11490	48.93	-25.07	74	44.42	39.91	20.11	55.51	100	0	P	H
		17235	51.69	-16.51	68.2	42.36	40.9	25.16	56.73	100	0	P	H
802.11ax		17978	59.7	-14.3	74	42.71	48.84	25.44	57.29	100	0	P	H
HE20 Full		17978	47.5	-6.5	54	30.51	48.84	25.44	57.29	100	0	A	H
CH 149		11490	49.55	-24.45	74	45.04	39.91	20.11	55.51	100	0	P	V
5745MHz		17235	51.61	-16.59	68.2	42.28	40.9	25.16	56.73	100	0	P	V
		17978	59.08	-14.92	74	42.09	48.84	25.44	57.29	100	0	P	V
		17978	47.43	-6.57	54	30.44	48.84	25.44	57.29	100	0	A	V
		11570	49.3	-24.7	74	44.8	39.76	20.18	55.44	100	0	P	H
		17355	51.4	-16.8	68.2	41.49	41.6	25.21	56.9	100	0	P	H
802.11ax		17934	60.09	-13.91	74	44.02	47.91	25.43	57.27	100	0	P	H
HE20 Full		17934	47.31	-6.69	54	31.24	47.91	25.43	57.27	100	0	A	H
CH 157		11570	49.33	-24.67	74	44.83	39.76	20.18	55.44	100	0	P	V
5785MHz		17355	50.53	-17.67	68.2	40.62	41.6	25.21	56.9	100	0	P	V
		18000	59.44	-14.56	74	41.99	49.3	25.45	57.3	100	0	P	V
		18000	47.93	-6.07	54	30.48	49.3	25.45	57.3	100	0	A	V
		11650	49.24	-24.76	74	44.84	39.55	20.23	55.38	100	0	P	H
		17475	51.64	-16.56	68.2	41	42.45	25.25	57.06	100	0	P	H
802.11ax		17978	60.27	-13.73	74	43.28	48.84	25.44	57.29	100	0	P	H
HE20 Full		17978	47.3	-6.7	54	30.31	48.84	25.44	57.29	100	0	A	H
CH 165		11650	49.22	-24.78	74	44.82	39.55	20.23	55.38	100	0	P	V
5825MHz		17475	52.24	-15.96	68.2	41.6	42.45	25.25	57.06	100	0	P	V
		17967	59.07	-14.93	74	42.31	48.61	25.44	57.29	100	0	P	V
		17967	47.19	-6.81	54	30.43	48.61	25.44	57.29	100	0	A	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		5605	54.65	-13.55	68.2	39.09	31.69	13.64	29.77	157	301	P	H
		5689.2	54.32	-42.92	97.24	38.72	31.68	13.72	29.8	157	301	P	H
		5709	54.17	-53.55	107.72	38.49	31.75	13.74	29.81	157	301	P	H
		5724.8	53.91	-67.83	121.74	38.13	31.85	13.75	29.82	157	301	P	H
	*	5745	115.23	-	-	99.31	31.97	13.77	29.82	157	301	P	H
	*	5745	105.85	-	-	89.93	31.97	13.77	29.82	157	301	A	H
													H
													H
		5610.8	54.99	-13.21	68.2	39.43	31.68	13.65	29.77	144	25	P	V
		5650.2	54.59	-13.76	68.35	39.09	31.6	13.69	29.79	144	25	P	V
		5708.8	55.11	-52.56	107.67	39.43	31.75	13.74	29.81	144	25	P	V
		5722.4	53.85	-62.42	116.27	38.08	31.83	13.75	29.81	144	25	P	V
	*	5745	111.55	-	-	95.63	31.97	13.77	29.82	144	25	P	V
	*	5745	101.41	-	-	85.49	31.97	13.77	29.82	144	25	A	V
													V
													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	115.85	-	-	99.83	32.05	13.82	29.85	148	297	P	H
	*	5825	106.43	-	-	90.41	32.05	13.82	29.85	148	297	A	H
		5850	53.8	-68.4	122.2	37.75	32.1	13.81	29.86	148	297	P	H
		5858.6	54.58	-55.21	109.79	38.52	32.12	13.81	29.87	148	297	P	H
		5905	55.35	-27.61	82.96	39.21	32.21	13.81	29.88	148	297	P	H
		5929.4	55.12	-13.08	68.2	38.94	32.26	13.81	29.89	148	297	P	H
													H
													H
	*	5825	112.1	-	-	96.08	32.05	13.82	29.85	115	22	P	V
	*	5825	102.6	-	-	86.58	32.05	13.82	29.85	115	22	A	V
		5852.4	53.68	-63.05	116.73	37.63	32.1	13.81	29.86	115	22	P	V
		5871	54.13	-52.19	106.32	38.05	32.14	13.81	29.87	115	22	P	V
		5889.4	55.05	-39.46	94.51	38.94	32.18	13.81	29.88	115	22	P	V
		5934.6	55.65	-12.55	68.2	39.47	32.27	13.81	29.9	115	22	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (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 Partial 26/0 CH 149 5745MHz		11490	49.14	-24.86	74	44.63	39.91	20.11	55.51	100	0	P	H
		17235	51.42	-16.78	68.2	42.09	40.9	25.16	56.73	100	0	P	H
		17945	59.05	-14.95	74	42.75	48.15	25.43	57.28	400	0	P	H
		17945	47.14	-6.86	54	30.84	48.15	25.43	57.28	100	0	A	H
		11490	49.44	-24.56	74	44.93	39.91	20.11	55.51	100	0	P	V
		17235	51.54	-16.66	68.2	42.21	40.9	25.16	56.73	100	0	P	V
		17945	59.1	-14.9	74	42.8	48.15	25.43	57.28	100	0	P	V
		17945	47.08	-6.92	54	30.78	48.15	25.43	57.28	100	0	A	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 HE20 Partial 26/8 CH 165 5825MHz		11650	48.44	-25.56	74	44.04	39.55	20.23	55.38	100	0	P	H
		17475	51.79	-16.41	68.2	41.15	42.45	25.25	57.06	100	0	P	H
		17956	59.35	-14.65	74	42.81	48.38	25.44	57.28	100	0	P	H
		17956	47.52	-6.48	54	30.98	48.38	25.44	57.28	100	0	A	H
		11650	49.11	-24.89	74	44.71	39.55	20.23	55.38	100	0	P	V
		17475	51.38	-16.82	68.2	40.74	42.45	25.25	57.06	100	0	P	V
		17956	59.84	-14.16	74	43.3	48.38	25.44	57.28	100	0	P	V
		17956	47.4	-6.6	54	30.86	48.38	25.44	57.28	100	0	A	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)
		5603.8	56.62	-11.58	68.2	41.06	31.69	13.64	29.77	152	301	P	H
		5696.8	55.01	-47.83	102.84	39.39	31.69	13.73	29.8	152	301	P	H
		5708.6	54.42	-53.19	107.61	38.74	31.75	13.74	29.81	152	301	P	H
		5722.8	55.27	-61.91	117.18	39.49	31.84	13.75	29.81	152	301	P	H
	*	5745	116.08	-	-	100.16	31.97	13.77	29.82	152	301	P	H
802.11ax	*	5745	106.33	-	-	90.41	31.97	13.77	29.82	152	301	A	H
HE20													H
Partial													H
52/37		5637.8	54.88	-13.32	68.2	39.37	31.62	13.67	29.78	141	24	P	V
CH 149		5653.8	53.99	-17.03	71.02	38.48	31.61	13.69	29.79	141	24	P	V
5745MHz		5710.2	55.4	-52.66	108.06	39.71	31.76	13.74	29.81	141	24	P	V
		5724.6	55.09	-66.2	121.29	39.31	31.85	13.75	29.82	141	24	P	V
	*	5745	110.97	-	-	95.05	31.97	13.77	29.82	141	24	P	V
	*	5745	101.76	-	-	85.84	31.97	13.77	29.82	141	24	A	V
													V
													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)
	*	5825	114.82	-	-	98.8	32.05	13.82	29.85	153	301	P	H
	*	5825	106.55	-	-	90.53	32.05	13.82	29.85	153	301	A	H
		5851.2	55.76	-63.7	119.46	39.71	32.1	13.81	29.86	153	301	P	H
		5859.6	58.31	-51.2	109.51	42.25	32.12	13.81	29.87	153	301	P	H
		5889.4	55.22	-39.29	94.51	39.11	32.18	13.81	29.88	153	301	P	H
802.11ax		5943	56.56	-11.64	68.2	40.36	32.29	13.81	29.9	153	301	P	H
HE20													H
Partial													H
52/40	*	5825	111.69	-	-	95.67	32.05	13.82	29.85	119	21	P	V
CH 165	*	5825	102.54	-	-	86.52	32.05	13.82	29.85	119	21	A	V
5825MHz		5850.8	54.4	-65.98	120.38	38.35	32.1	13.81	29.86	119	21	P	V
		5863.2	55.06	-53.44	108.5	38.99	32.13	13.81	29.87	119	21	P	V
		5925	55.31	-12.89	68.2	39.14	32.25	13.81	29.89	119	21	P	V
		5937.4	55.59	-12.61	68.2	39.41	32.27	13.81	29.9	119	21	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (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 Partial 52/37 CH 149 5745MHz		11490	49.06	-24.94	74	44.55	39.91	20.11	55.51	100	0	P	H
		17235	51.53	-16.67	68.2	42.2	40.9	25.16	56.73	100	0	P	H
		17967	59.8	-14.2	74	43.04	48.61	25.44	57.29	100	0	P	H
		17967	47.72	-6.28	54	30.96	48.61	25.44	57.29	100	0	A	H
		11490	48.84	-25.16	74	44.33	39.91	20.11	55.51	100	0	P	V
		17235	51.23	-16.97	68.2	41.9	40.9	25.16	56.73	100	0	P	V
		17967	59.49	-14.51	74	42.73	48.61	25.44	57.29	100	0	P	V
		17967	47.87	-6.13	54	31.11	48.61	25.44	57.29	100	0	A	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 HE20 Partial 52/40 CH 165 5825MHz		11650	48.7	-25.3	74	44.3	39.55	20.23	55.38	100	0	P	H
		17475	51.63	-16.57	68.2	40.99	42.45	25.25	57.06	100	0	P	H
		17989	59.14	-14.86	74	41.92	49.07	25.45	57.3	100	0	P	H
		17989	47.56	-6.44	54	30.34	49.07	25.45	57.3	100	0	A	H
		11650	49.58	-24.42	74	45.18	39.55	20.23	55.38	100	0	P	V
		17475	50.7	-17.5	68.2	40.06	42.45	25.25	57.06	100	0	P	V
		17989	59.53	-14.47	74	42.31	49.07	25.45	57.3	100	0	P	V
		17989	47.5	-6.5	54	30.28	49.07	25.45	57.3	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5617.4	54.36	-13.84	68.2	38.8	31.67	13.66	29.77	154	306	P	H
		5679.8	55	-35.29	90.29	39.43	31.66	13.71	29.8	154	306	P	H
		5717.4	55.22	-54.85	110.07	39.48	31.8	13.75	29.81	154	306	P	H
		5724.8	63.04	-58.7	121.74	47.26	31.85	13.75	29.82	154	306	P	H
	*	5745	113.74	-	-	97.82	31.97	13.77	29.82	154	306	P	H
	*	5745	103.76	-	-	87.84	31.97	13.77	29.82	154	306	A	H
802.11ax													H
HE20													H
Partial													
106/53		5643.4	54.78	-13.42	68.2	39.27	31.61	13.68	29.78	156	25	P	V
CH 149		5662.2	54.24	-23.02	77.26	38.71	31.62	13.7	29.79	156	25	P	V
5745MHz		5702.2	53.53	-52.29	105.82	37.9	31.71	13.73	29.81	156	25	P	V
		5724.8	54.08	-67.66	121.74	38.3	31.85	13.75	29.82	156	25	P	V
	*	5745	108.67	-	-	92.75	31.97	13.77	29.82	156	25	P	V
	*	5745	98.63	-	-	82.71	31.97	13.77	29.82	156	25	A	V
													V
													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)
	*	5825	113.32	-	-	97.3	32.05	13.82	29.85	150	301	P	H
	*	5825	103.67	-	-	87.65	32.05	13.82	29.85	150	301	A	H
		5850	58.47	-63.73	122.2	42.42	32.1	13.81	29.86	150	301	P	H
		5872.4	55.69	-50.24	105.93	39.61	32.14	13.81	29.87	150	301	P	H
		5916.8	56.45	-17.8	74.25	40.3	32.23	13.81	29.89	150	301	P	H
802.11ax		5936.8	56.24	-11.96	68.2	40.06	32.27	13.81	29.9	150	301	P	H
HE20													H
Partial													H
106/54	*	5825	109.04	-	-	93.02	32.05	13.82	29.85	128	23	P	V
CH 165	*	5825	99.56	-	-	83.54	32.05	13.82	29.85	128	23	A	V
5825MHz		5850.8	56.21	-64.17	120.38	40.16	32.1	13.81	29.86	128	23	P	V
		5866.2	55.2	-52.46	107.66	39.13	32.13	13.81	29.87	128	23	P	V
		5895.4	56.12	-33.95	90.07	40	32.19	13.81	29.88	128	23	P	V
		5928.2	55.88	-12.32	68.2	39.7	32.26	13.81	29.89	128	23	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (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 Partial 106/53 CH 149 5745MHz		11490	49.07	-24.93	74	44.56	39.91	20.11	55.51	100	0	P	H
		17235	50.82	-17.38	68.2	41.49	40.9	25.16	56.73	100	0	P	H
		17956	59.24	-14.76	74	42.7	48.38	25.44	57.28	100	0	P	H
		17956	47.51	-6.49	54	30.97	48.38	25.44	57.28	100	0	A	H
		11490	49.09	-24.91	74	44.58	39.91	20.11	55.51	100	0	P	V
		17235	52.36	-15.84	68.2	43.03	40.9	25.16	56.73	100	0	P	V
		17956	59.57	-14.43	74	43.03	48.38	25.44	57.28	100	0	P	V
		17956	47.55	-6.45	54	31.01	48.38	25.44	57.28	100	0	A	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 HE20 Partial 106/54 CH 165 5825MHz		11650	48.91	-25.09	74	44.51	39.55	20.23	55.38	100	0	P	H
		17475	51.18	-17.02	68.2	40.54	42.45	25.25	57.06	100	0	P	H
		17978	59.31	-14.69	74	42.32	48.84	25.44	57.29	100	0	P	H
		17978	47.61	-6.39	54	30.62	48.84	25.44	57.29	100	0	A	H
		11650	49.5	-24.5	74	45.1	39.55	20.23	55.38	100	0	P	V
		17475	51.46	-16.74	68.2	40.82	42.45	25.25	57.06	100	0	P	V
		17989	59.82	-14.18	74	42.6	49.07	25.45	57.3	100	0	P	V
		17989	47.81	-6.19	54	30.59	49.07	25.45	57.3	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	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)
		5612.4	54.05	-14.15	68.2	38.49	31.68	13.65	29.77	152	306	P	H
		5664.8	53.91	-25.28	79.19	38.37	31.63	13.7	29.79	152	306	P	H
		5719.2	55.14	-55.44	110.58	39.38	31.82	13.75	29.81	152	306	P	H
		5722.4	55.34	-60.93	116.27	39.57	31.83	13.75	29.81	152	306	P	H
	*	5755	107.7	-	-	91.75	32	13.78	29.83	152	306	P	H
	*	5755	96.88	-	-	80.93	32	13.78	29.83	152	306	A	H
		5855	53.13	-57.67	110.8	37.07	32.11	13.81	29.86	152	306	P	H
		5866.8	55.8	-51.69	107.49	39.73	32.13	13.81	29.87	152	306	P	H
		5902.8	55.54	-29.05	84.59	39.4	32.21	13.81	29.88	152	306	P	H
		5945.8	53.92	-14.28	68.2	37.72	32.29	13.81	29.9	152	306	P	H
802.11ax													H
HE40 Full													H
CH 151		5617.4	54.58	-13.62	68.2	39.02	31.67	13.66	29.77	150	25	P	V
5755MHz		5655.4	53.28	-18.93	72.21	37.77	31.61	13.69	29.79	150	25	P	V
		5717.6	54.43	-55.7	110.13	38.68	31.81	13.75	29.81	150	25	P	V
		5720.4	54.63	-57.08	111.71	38.87	31.82	13.75	29.81	150	25	P	V
	*	5755	102.53	-	-	86.58	32	13.78	29.83	150	25	P	V
	*	5755	92.16	-	-	76.21	32	13.78	29.83	150	25	A	V
		5854.6	52.67	-59.04	111.71	36.61	32.11	13.81	29.86	150	25	P	V
		5858.8	54.47	-55.26	109.73	38.41	32.12	13.81	29.87	150	25	P	V
		5909.4	55.78	-23.93	79.71	39.64	32.22	13.81	29.89	150	25	P	V
		5943.4	54.13	-14.07	68.2	37.93	32.29	13.81	29.9	150	25	P	V
													V
													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)
		5601	54.76	-13.44	68.2	39.19	31.7	13.64	29.77	154	302	P	H
		5664	53.33	-25.26	78.59	37.79	31.63	13.7	29.79	154	302	P	H
		5706	52.82	-54.06	106.88	37.15	31.74	13.74	29.81	154	302	P	H
		5724	53.45	-66.47	119.92	37.68	31.84	13.75	29.82	154	302	P	H
	*	5795	106.66	-	-	90.68	32	13.82	29.84	154	302	P	H
	*	5795	96.52	-	-	80.54	32	13.82	29.84	154	302	A	H
		5851.6	53.08	-65.47	118.55	37.03	32.1	13.81	29.86	154	302	P	H
		5859	54.43	-55.25	109.68	38.37	32.12	13.81	29.87	154	302	P	H
		5912.4	55.76	-21.73	77.49	39.62	32.22	13.81	29.89	154	302	P	H
		5948	54.29	-13.91	68.2	38.08	32.3	13.81	29.9	154	302	P	H
802.11ax													H
HE40 Full													H
CH 159		5607.2	53.71	-14.49	68.2	38.14	31.69	13.65	29.77	138	24	P	V
5795MHz		5696.6	54.14	-48.55	102.69	38.52	31.69	13.73	29.8	138	24	P	V
		5711	53.39	-54.89	108.28	37.69	31.77	13.74	29.81	138	24	P	V
		5721.4	53.19	-60.8	113.99	37.42	31.83	13.75	29.81	138	24	P	V
	*	5795	102.23	-	-	86.25	32	13.82	29.84	138	24	P	V
	*	5795	92.31	-	-	76.33	32	13.82	29.84	138	24	A	V
		5850.8	52.34	-68.04	120.38	36.29	32.1	13.81	29.86	138	24	P	V
		5866	54.06	-53.66	107.72	37.99	32.13	13.81	29.87	138	24	P	V
		5887.8	55.3	-40.4	95.7	39.19	32.18	13.81	29.88	138	24	P	V
		5940.2	54.42	-13.78	68.2	38.23	32.28	13.81	29.9	138	24	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 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		11510	48.72	-25.28	74	44.2	39.88	20.13	55.49	100	0	P	H
		17265	51.47	-16.73	68.2	42.08	40.99	25.17	56.77	100	0	P	H
		17967	59.83	-14.17	74	43.07	48.61	25.44	57.29	100	0	P	H
		17967	47.4	-6.6	54	30.64	48.61	25.44	57.29	100	0	A	H
		11510	48.77	-25.23	74	44.25	39.88	20.13	55.49	100	0	P	V
		17265	50.4	-17.8	68.2	41.01	40.99	25.17	56.77	100	0	P	V
		17989	60.26	-13.74	74	43.04	49.07	25.45	57.3	100	0	P	V
		17989	47.75	-6.25	54	30.53	49.07	25.45	57.3	100	0	A	V
802.11ax HE40 Full CH 159 5795MHz		11590	48.45	-25.55	74	43.97	39.72	20.19	55.43	100	0	P	H
		17385	51.24	-16.96	68.2	41.1	41.86	25.22	56.94	100	0	P	H
		17978	59.08	-14.92	74	42.09	48.84	25.44	57.29	100	0	P	H
		17978	47.53	-6.47	54	30.54	48.84	25.44	57.29	100	0	A	H
		11590	48.8	-25.2	74	44.32	39.72	20.19	55.43	100	0	P	V
		17385	50.89	-17.31	68.2	40.75	41.86	25.22	56.94	100	0	P	V
		17989	59.42	-14.58	74	42.2	49.07	25.45	57.3	100	0	P	V
		17989	47.77	-6.23	54	30.55	49.07	25.45	57.3	100	0	A	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)
		5615.4	55.68	-12.52	68.2	40.13	31.67	13.65	29.77	148	311	P	H
		5698.8	58.42	-45.9	104.32	42.8	31.7	13.73	29.81	148	311	P	H
		5719.8	68.36	-42.38	110.74	52.6	31.82	13.75	29.81	148	311	P	H
		5723.8	70.2	-49.26	119.46	54.43	31.84	13.75	29.82	148	311	P	H
	*	5755	109.68	-	-	93.73	32	13.78	29.83	148	311	P	H
	*	5755	100.17	-	-	84.22	32	13.78	29.83	148	311	A	H
		5850	53.17	-69.03	122.2	37.12	32.1	13.81	29.86	148	311	P	H
		5859.6	55.14	-54.37	109.51	39.08	32.12	13.81	29.87	148	311	P	H
		5913.2	55.11	-21.79	76.9	38.96	32.23	13.81	29.89	148	311	P	H
802.11ax		5945.4	55.35	-12.85	68.2	39.15	32.29	13.81	29.9	148	311	P	H
HE40													H
Partial													H
242/61		5613.4	54.03	-14.17	68.2	38.48	31.67	13.65	29.77	145	24	P	V
CH 151		5700	54.23	-50.97	105.2	38.61	31.7	13.73	29.81	145	24	P	V
5755MHz		5717	66.96	-43	109.96	51.22	31.8	13.75	29.81	145	24	P	V
		5721	67.9	-45.18	113.08	52.13	31.83	13.75	29.81	145	24	P	V
	*	5755	104.81	-	-	88.86	32	13.78	29.83	145	24	P	V
	*	5755	95.28	-	-	79.33	32	13.78	29.83	145	24	A	V
		5853.8	53.65	-59.89	113.54	37.59	32.11	13.81	29.86	145	24	P	V
		5856.8	53.82	-56.48	110.3	37.77	32.11	13.81	29.87	145	24	P	V
		5900.4	55.15	-31.21	86.36	39.02	32.2	13.81	29.88	145	24	P	V
		5933.2	54.82	-13.38	68.2	38.63	32.27	13.81	29.89	145	24	P	V
													V
													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)
		5608.2	54.51	-13.69	68.2	38.95	31.68	13.65	29.77	145	307	P	H
		5668.6	54.62	-27.38	82	39.07	31.64	13.7	29.79	145	307	P	H
		5703.4	55.47	-50.68	106.15	39.83	31.72	13.73	29.81	145	307	P	H
		5723.2	53.72	-64.38	118.1	37.94	31.84	13.75	29.81	145	307	P	H
	*	5795	109.7	-	-	93.72	32	13.82	29.84	145	307	P	H
	*	5795	99.61	-	-	83.63	32	13.82	29.84	145	307	A	H
		5853.8	56.15	-57.39	113.54	40.09	32.11	13.81	29.86	145	307	P	H
		5868.2	56.2	-50.9	107.1	40.12	32.14	13.81	29.87	145	307	P	H
		5914.4	55.59	-20.43	76.02	39.44	32.23	13.81	29.89	145	307	P	H
802.11ax		5932.4	55.16	-13.04	68.2	38.98	32.26	13.81	29.89	145	307	P	H
HE40													H
Partial													H
242/62		5604.6	56.15	-12.05	68.2	40.59	31.69	13.64	29.77	138	24	P	V
CH 159		5693	54.3	-45.74	100.04	38.69	31.69	13.72	29.8	138	24	P	V
5795MHz		5715.2	54.34	-55.12	109.46	38.62	31.79	13.74	29.81	138	24	P	V
		5724.6	54.32	-66.97	121.29	38.54	31.85	13.75	29.82	138	24	P	V
	*	5795	104.83	-	-	88.85	32	13.82	29.84	138	24	P	V
	*	5795	95.66	-	-	79.68	32	13.82	29.84	138	24	A	V
		5851.8	54.52	-63.58	118.1	38.47	32.1	13.81	29.86	138	24	P	V
		5858.4	55.39	-54.46	109.85	39.33	32.12	13.81	29.87	138	24	P	V
		5884	55.49	-43.03	98.52	39.39	32.17	13.81	29.88	138	24	P	V
		5943.4	55.71	-12.49	68.2	39.51	32.29	13.81	29.9	138	24	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 242 (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 HE40 Partial 242/61 CH 151 5755MHz		11510	49.87	-24.13	74	45.35	39.88	20.13	55.49	100	0	P	H
		17265	51.68	-16.52	68.2	42.29	40.99	25.17	56.77	100	0	P	H
		18000	59.08	-14.92	74	41.63	49.3	25.45	57.3	100	0	P	H
		18000	47.7	-6.3	54	30.25	49.3	25.45	57.3	100	0	A	H
		11510	49.26	-24.74	74	44.74	39.88	20.13	55.49	100	0	P	V
		17265	51.08	-17.12	68.2	41.69	40.99	25.17	56.77	100	0	P	V
		17956	59.96	-14.04	74	43.42	48.38	25.44	57.28	100	0	P	V
		17956	47.73	-6.27	54	31.19	48.38	25.44	57.28	100	0	A	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 HE40 Partial 242/62 CH 159 5795MHz		11590	48.7	-25.3	74	44.22	39.72	20.19	55.43	100	0	P	H
		17385	50.97	-17.23	68.2	40.83	41.86	25.22	56.94	100	0	P	H
		17978	59.83	-14.17	74	42.84	48.84	25.44	57.29	100	0	P	H
		17978	47.55	-6.45	54	30.56	48.84	25.44	57.29	100	0	A	H
		11590	48.49	-25.51	74	44.01	39.72	20.19	55.43	100	0	P	V
		17385	51.14	-17.06	68.2	41	41.86	25.22	56.94	100	0	P	V
		17956	60.04	-13.96	74	43.5	48.38	25.44	57.28	100	0	P	V
		17956	47.71	-6.29	54	31.17	48.38	25.44	57.28	100	0	A	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)
		5605.2	54.23	-13.97	68.2	38.67	31.69	13.64	29.77	147	306	P	H
		5686.4	54.46	-40.71	95.17	38.87	31.67	13.72	29.8	147	306	P	H
		5719.6	55.32	-55.37	110.69	39.56	31.82	13.75	29.81	147	306	P	H
		5724.2	55.49	-64.89	120.38	39.71	31.85	13.75	29.82	147	306	P	H
	*	5775	104.52	-	-	88.55	32	13.8	29.83	147	306	P	H
	*	5775	94.09	-	-	78.12	32	13.8	29.83	147	306	A	H
		5854.4	55.8	-56.37	112.17	39.74	32.11	13.81	29.86	147	306	P	H
		5860	55.6	-53.8	109.4	39.54	32.12	13.81	29.87	147	306	P	H
		5880	54.09	-47.4	101.49	37.99	32.16	13.81	29.87	147	306	P	H
		5926	54.19	-14.01	68.2	38.02	32.25	13.81	29.89	147	306	P	H
802.11ax													H
HE80 Full													H
CH 155		5610.6	54.05	-14.15	68.2	38.49	31.68	13.65	29.77	129	24	P	V
5775MHz		5697.4	56.76	-46.52	103.28	41.15	31.69	13.73	29.81	129	24	P	V
		5701.2	55.76	-49.78	105.54	40.13	31.71	13.73	29.81	129	24	P	V
		5722.2	53.77	-62.05	115.82	38	31.83	13.75	29.81	129	24	P	V
	*	5775	99.88	-	-	83.91	32	13.8	29.83	129	24	P	V
	*	5775	90.07	-	-	74.1	32	13.8	29.83	129	24	A	V
		5852.8	55.62	-60.2	115.82	39.56	32.11	13.81	29.86	129	24	P	V
		5872.6	54.17	-51.7	105.87	38.08	32.15	13.81	29.87	129	24	P	V
		5875.2	54.97	-50.08	105.05	38.88	32.15	13.81	29.87	129	24	P	V
		5931.4	55.34	-12.86	68.2	39.16	32.26	13.81	29.89	129	24	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 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		11550	49.29	-24.71	74	44.79	39.8	20.16	55.46	100	0	P	H
		17325	51.72	-16.48	68.2	42.05	41.32	25.2	56.85	100	0	P	H
		17956	59.59	-14.41	74	43.05	48.38	25.44	57.28	100	0	P	H
		17956	47.14	-6.86	54	30.6	48.38	25.44	57.28	100	0	A	H
		11550	48.89	-25.11	74	44.39	39.8	20.16	55.46	100	0	P	V
		17325	51.32	-16.88	68.2	41.65	41.32	25.2	56.85	100	0	P	V
		17989	59.01	-14.99	74	41.79	49.07	25.45	57.3	100	0	P	V
		17989	47.75	-6.25	54	30.53	49.07	25.45	57.3	100	0	A	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)
		5613.4	54.88	-13.32	68.2	39.33	31.67	13.65	29.77	150	307	P	H
		5683.6	60.45	-32.65	93.1	44.86	31.67	13.72	29.8	150	307	P	H
		5719.6	70.37	-40.32	110.69	54.61	31.82	13.75	29.81	150	307	P	H
		5723.8	71.73	-47.73	119.46	55.96	31.84	13.75	29.82	150	307	P	H
	*	5775	108.84	-	-	92.87	32	13.8	29.83	150	307	P	H
	*	5775	97.81	-	-	81.84	32	13.8	29.83	150	307	A	H
		5854.4	66.29	-45.88	112.17	50.23	32.11	13.81	29.86	150	307	P	H
		5863.8	66.26	-42.07	108.33	50.19	32.13	13.81	29.87	150	307	P	H
		5879.6	58.78	-43	101.78	42.68	32.16	13.81	29.87	150	307	P	H
802.11ax		5927.4	55.4	-12.8	68.2	39.23	32.25	13.81	29.89	150	307	P	H
HE80													H
Partial													H
484/65		5600	54.16	-14.04	68.2	38.59	31.7	13.64	29.77	151	25	P	V
CH 155		5699.6	55.75	-49.16	104.91	40.13	31.7	13.73	29.81	151	25	P	V
5775MHz		5717.2	65.94	-44.08	110.02	50.2	31.8	13.75	29.81	151	25	P	V
		5722.4	66.33	-49.94	116.27	50.56	31.83	13.75	29.81	151	25	P	V
	*	5775	101.44	-	-	85.47	32	13.8	29.83	151	25	P	V
	*	5775	92.65	-	-	76.68	32	13.8	29.83	151	25	A	V
		5850.6	62.4	-58.43	120.83	46.35	32.1	13.81	29.86	151	25	P	V
		5866	63.77	-43.95	107.72	47.7	32.13	13.81	29.87	151	25	P	V
		5875.6	57.05	-47.7	104.75	40.96	32.15	13.81	29.87	151	25	P	V
		5944	56.08	-12.12	68.2	39.88	32.29	13.81	29.9	151	25	P	V
													V
													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)
		5640.6	55.4	-12.8	68.2	39.88	31.62	13.68	29.78	152	307	P	H
		5697.2	60.99	-42.15	103.14	45.37	31.69	13.73	29.8	152	307	P	H
		5719.8	69.12	-41.62	110.74	53.36	31.82	13.75	29.81	152	307	P	H
		5724	70.32	-49.6	119.92	54.55	31.84	13.75	29.82	152	307	P	H
	*	5775	108.48	-	-	92.51	32	13.8	29.83	152	307	P	H
	*	5775	97.4	-	-	81.43	32	13.8	29.83	152	307	A	H
		5853.2	65.93	-48.97	114.9	49.87	32.11	13.81	29.86	152	307	P	H
		5863.6	66.8	-41.59	108.39	50.73	32.13	13.81	29.87	152	307	P	H
		5877	59.18	-44.53	103.71	43.09	32.15	13.81	29.87	152	307	P	H
802.11ax		5940.6	54.9	-13.3	68.2	38.71	32.28	13.81	29.9	152	307	P	H
HE80													H
Partial													H
484/66		5622.6	55.27	-12.93	68.2	39.74	31.65	13.66	29.78	126	24	P	V
CH 155		5680.8	57.33	-33.7	91.03	41.76	31.66	13.71	29.8	126	24	P	V
5775MHz		5717.4	65.36	-44.71	110.07	49.62	31.8	13.75	29.81	126	24	P	V
		5721.2	65.58	-47.96	113.54	49.81	31.83	13.75	29.81	126	24	P	V
	*	5775	102.01	-	-	86.04	32	13.8	29.83	126	24	P	V
	*	5775	92.91	-	-	76.94	32	13.8	29.83	126	24	A	V
		5853	63.16	-52.2	115.36	47.1	32.11	13.81	29.86	126	24	P	V
		5856.8	64.15	-46.15	110.3	48.1	32.11	13.81	29.87	126	24	P	V
		5877	59.44	-44.27	103.71	43.35	32.15	13.81	29.87	126	24	P	V
		5929.4	54.72	-13.48	68.2	38.54	32.26	13.81	29.89	126	24	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 484 (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 HE80 Partial 484/65 CH 155 5775MHz		11550	48.25	-25.75	74	43.75	39.8	20.16	55.46	100	0	P	H
		17325	51.38	-16.82	68.2	41.71	41.32	25.2	56.85	100	0	P	H
		17967	59.68	-14.32	74	42.92	48.61	25.44	57.29	100	0	P	H
		17967	47.33	-6.67	54	30.57	48.61	25.44	57.29	100	0	A	H
		11550	48.5	-25.5	74	44	39.8	20.16	55.46	100	0	P	V
		17325	52.36	-15.84	68.2	42.69	41.32	25.2	56.85	100	0	P	V
		17989	59.88	-14.12	74	42.66	49.07	25.45	57.3	100	0	P	V
		17989	47.6	-6.4	54	30.38	49.07	25.45	57.3	100	0	A	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		11550	48.73	-25.27	74	44.23	39.8	20.16	55.46	100	0	P	H
		17325	51.8	-16.4	68.2	42.13	41.32	25.2	56.85	100	0	P	H
		17967	59.92	-14.08	74	43.16	48.61	25.44	57.29	100	0	P	H
		17967	47.59	-6.41	54	30.83	48.61	25.44	57.29	100	0	A	H
		11550	48.78	-25.22	74	44.28	39.8	20.16	55.46	100	0	P	V
		17325	51.85	-16.35	68.2	42.18	41.32	25.2	56.85	100	0	P	V
		17967	59.8	-14.2	74	43.04	48.61	25.44	57.29	100	0	P	V
		17967	47.53	-6.47	54	30.77	48.61	25.44	57.29	100	0	A	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)
		23610	41.81	-32.19	74	42.68	39.85	12.58	53.3	150	0	P	H
		33312	44.02	-24.18	68.2	39.61	40.84	17.79	54.22	150	0	P	H
													H
													H
													H
													H
													H
802.11a													H
SHF		26558	42.64	-25.56	68.2	40.93	40.1	14.61	53	150	0	P	V
		37514	45.63	-22.57	68.2	40.77	42.71	18.73	56.58	150	0	P	V
													V
													V
													V
													V
													V
													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)
		42.61	22.4	-17.6	40	36.44	17.91	0.86	32.81	-	-	P	H
		107.6	26.8	-16.7	43.5	40.95	16.86	1.61	32.62	-	-	P	H
		159.01	25.54	-17.96	43.5	39.6	16.7	2.02	32.78	-	-	P	H
		248.25	26.85	-19.15	46	38.64	18.29	2.66	32.74	-	-	P	H
		703.18	30.37	-15.63	46	31.57	26.62	4.59	32.41	-	-	P	H
		957.32	34.08	-11.92	46	29.11	31.03	5.47	31.53	100	0	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		38.73	30.25	-9.75	40	42.1	20.12	0.81	32.78	-	-	P	V
		43.58	32.76	-7.24	40	47.32	17.38	0.87	32.81	100	0	P	V
		50.37	30.44	-9.56	40	48.12	14.2	0.97	32.85	-	-	P	V
		70.74	27.54	-12.46	40	46.57	12.48	1.24	32.75	-	-	P	V
		741.98	30.34	-15.66	46	30.14	28.11	4.68	32.59	-	-	P	V
		959.26	33.93	-12.07	46	28.85	31.11	5.47	31.5	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<WPC Charging Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5631.6	54.78	-13.42	68.2	39.25	31.64	13.67	29.78	101	312	P	H
		5691.2	53.75	-44.96	98.71	38.15	31.68	13.72	29.8	101	312	P	H
		5718	53.46	-56.78	110.24	37.71	31.81	13.75	29.81	101	312	P	H
		5720.8	53.99	-58.63	112.62	38.23	31.82	13.75	29.81	101	312	P	H
	*	5785	103.37	-	-	87.4	32	13.81	29.84	101	312	P	H
	*	5785	95.28	-	-	79.31	32	13.81	29.84	101	312	A	H
		5850	53.04	-69.16	122.2	36.99	32.1	13.81	29.86	101	312	P	H
		5858.6	54	-55.79	109.79	37.94	32.12	13.81	29.87	101	312	P	H
		5907.4	54.39	-26.8	81.19	38.25	32.21	13.81	29.88	101	312	P	H
		5946.2	54.7	-13.5	68.2	38.5	32.29	13.81	29.9	101	312	P	H
													H
802.11a CH 157 5785MHz													H
		5649.6	54.49	-13.71	68.2	39	31.6	13.68	29.79	100	109	P	V
		5696.6	54.34	-48.35	102.69	38.72	31.69	13.73	29.8	100	109	P	V
		5701.2	53.37	-52.17	105.54	37.74	31.71	13.73	29.81	100	109	P	V
		5722.4	53.52	-62.75	116.27	37.75	31.83	13.75	29.81	100	109	P	V
	*	5785	105.87	-	-	89.9	32	13.81	29.84	100	109	P	V
	*	5785	98.36	-	-	82.39	32	13.81	29.84	100	109	A	V
		5853.8	53.71	-59.83	113.54	37.65	32.11	13.81	29.86	100	109	P	V
		5875	55.65	-49.55	105.2	39.56	32.15	13.81	29.87	100	109	P	V
		5908	57.07	-23.67	80.74	40.93	32.22	13.81	29.89	100	109	P	V
		5938.4	54.72	-13.48	68.2	38.53	32.28	13.81	29.9	100	109	P	V
													V
													V

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 157 5785MHz		11570	48.68	-25.32	74	44.18	39.76	20.18	55.44	100	0	P	H
		17355	51.51	-16.69	68.2	41.6	41.6	25.21	56.9	100	0	P	H
		17956	58.66	-15.34	74	42.12	48.38	25.44	57.28	100	0	P	H
		17956	47.54	-6.46	54	31	48.38	25.44	57.28	100	0	A	H
		11570	48.88	-25.12	74	44.38	39.76	20.18	55.44	100	0	P	V
		17355	51.39	-16.81	68.2	41.48	41.6	25.21	56.9	100	0	P	V
		17956	57.86	-16.14	74	41.32	48.38	25.44	57.28	100	0	P	V
		17956	48.37	-5.63	54	31.83	48.38	25.44	57.28	100	0	A	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)
		25502	41.07	-27.13	68.2	40.84	39.8	13.83	53.4	150	0	P	H
		35226	43.58	-24.62	68.2	38.57	42.41	18.59	55.99	150	0	P	H
													H
													H
													H
													H
													H
802.11a													H
SHF		22356	40	-34	74	42.74	38.47	12.26	53.47	150	0	P	V
		29286	42.04	-26.16	68.2	40.91	40.41	15.36	54.64	150	0	P	V
													V
													V
													V
													V
													V
													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)
		36.79	24.28	-15.72	40	35.16	21.1	0.79	32.77	-	-	P	H
		128.94	25.06	-18.44	43.5	38.48	17.48	1.79	32.69	-	-	P	H
		210.42	29.31	-14.19	43.5	44.59	15.19	2.4	32.87	-	-	P	H
		308.39	28.43	-17.57	46	38.64	19.37	2.95	32.53	-	-	P	H
		431.58	30.18	-15.82	46	36.11	23.01	3.52	32.46	-	-	P	H
		953.44	33.89	-12.11	46	29.17	30.86	5.45	31.59	100	0	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		32.91	32.31	-7.69	40	41.31	23.04	0.71	32.75	-	-	P	V
		37.76	32.62	-7.38	40	43.96	20.64	0.8	32.78	100	38	QP	V
		42.61	32.38	-7.62	40	46.42	17.91	0.86	32.81	-	-	P	V
		70.74	30.37	-9.63	40	49.4	12.48	1.24	32.75	-	-	P	V
		171.62	24.18	-19.32	43.5	39.23	15.64	2.13	32.82	-	-	P	V
		945.68	34.24	-11.76	46	29.84	30.68	5.43	31.71	-	-	P	V
													V
													V
													V
													V
													V
													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	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

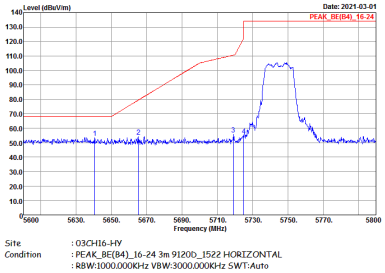
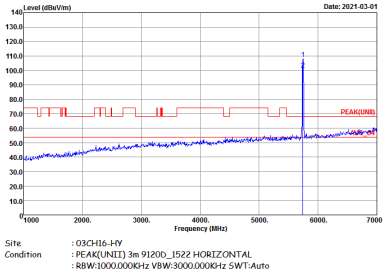
Test Engineer :	Karl Hou, Caster Liao and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

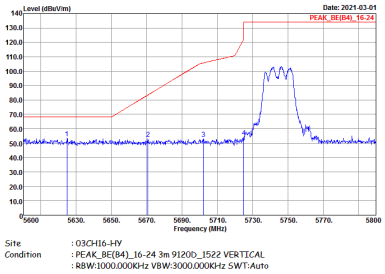
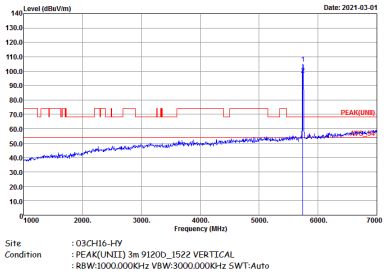
Note symbol

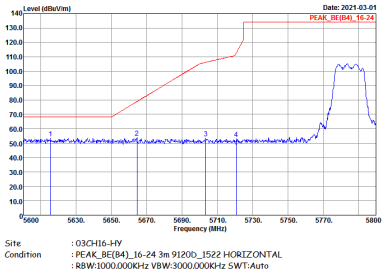
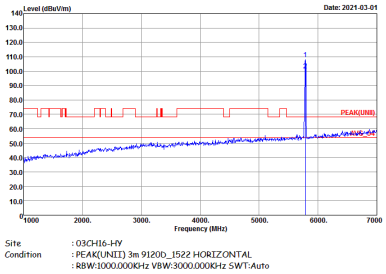
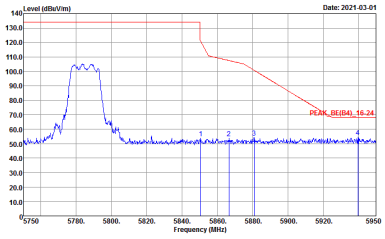
-L	**Low channel location**
-R	**High channel location**

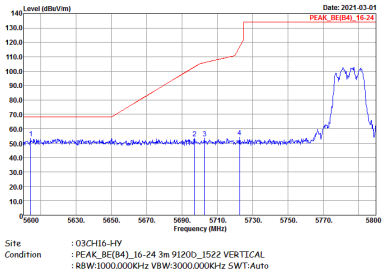
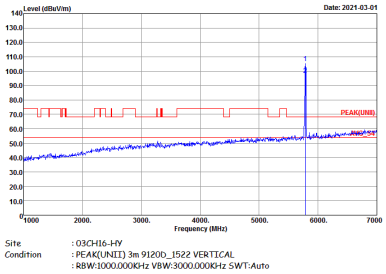
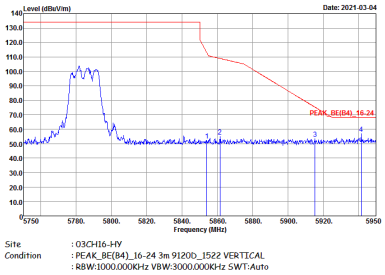
Band 4 - 5725~5850MHz

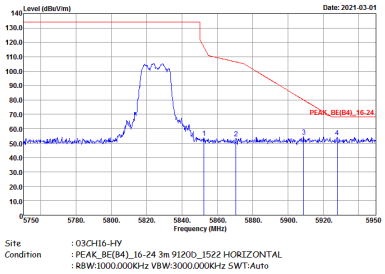
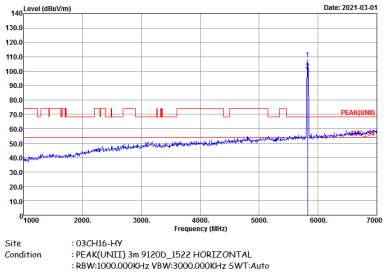
WIFI 802.11a (Band Edge @ 3m)

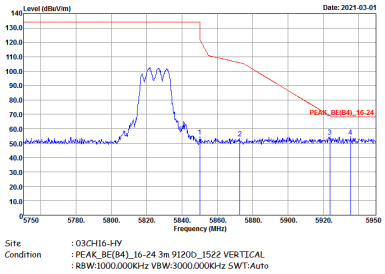
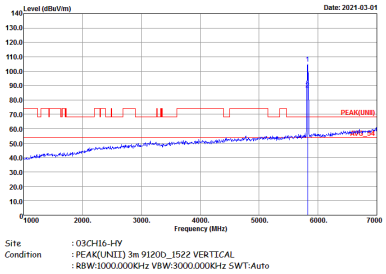
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

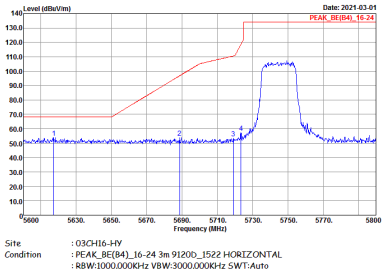
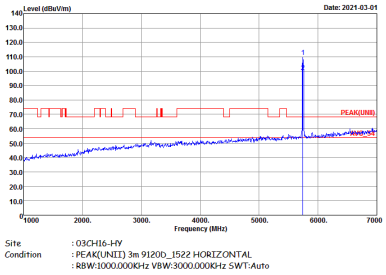
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

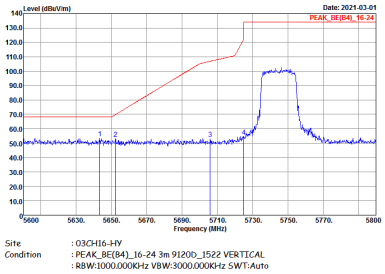
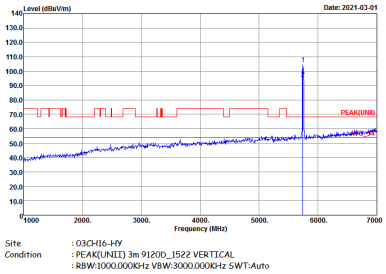
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

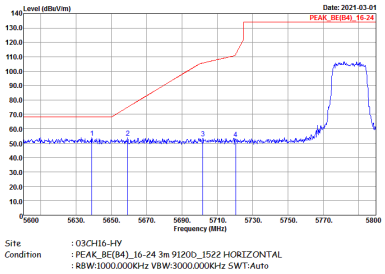
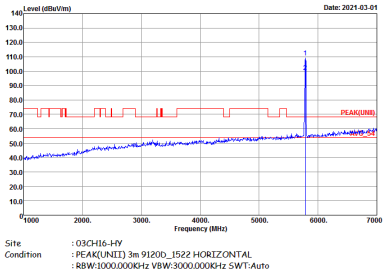
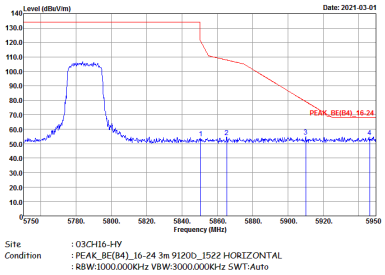
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

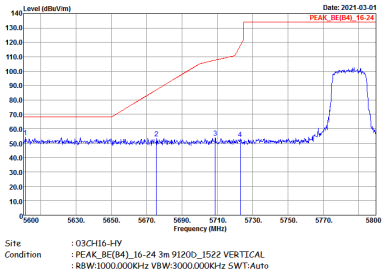
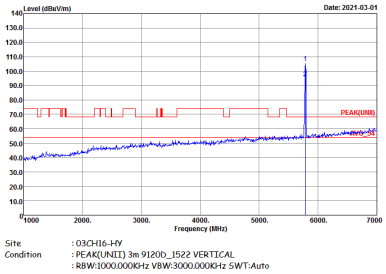
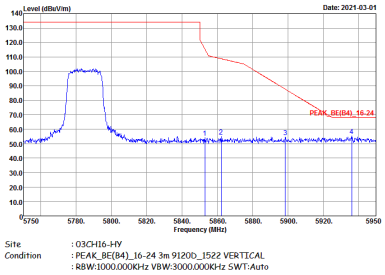
Band 4 5725~5850MHz

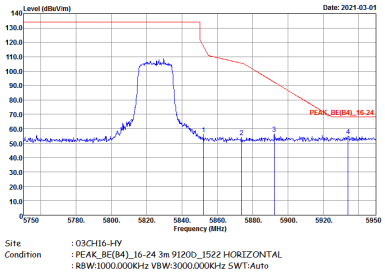
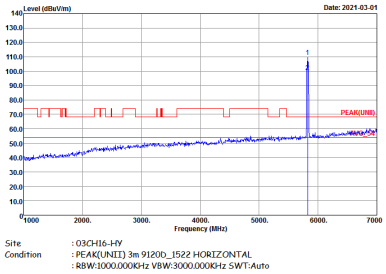
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

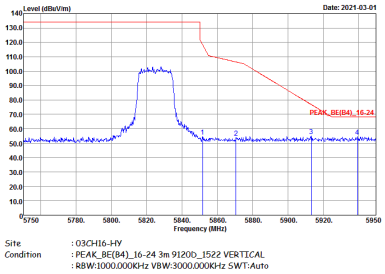
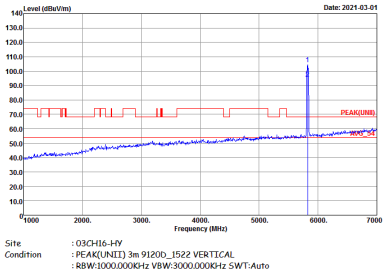
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

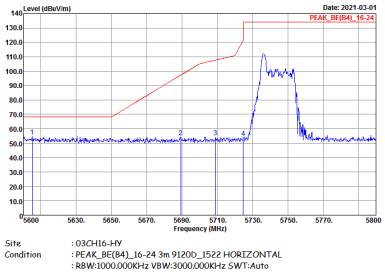
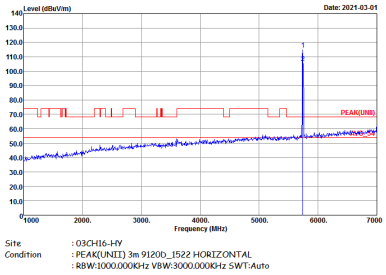
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

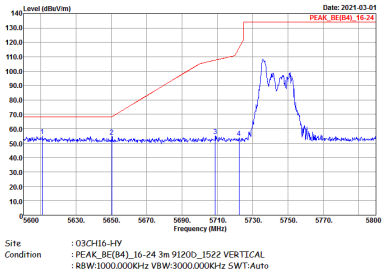
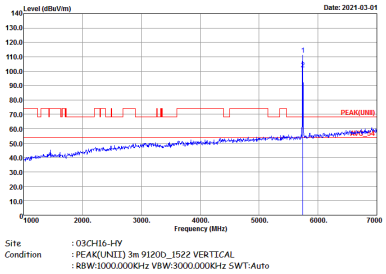
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

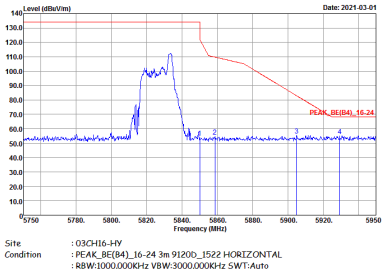
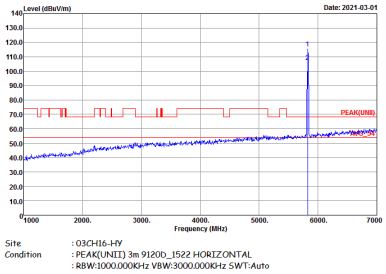
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

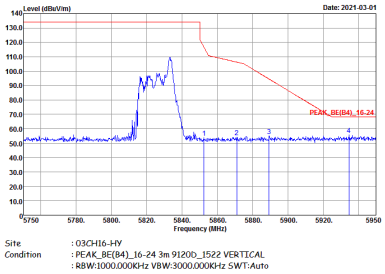
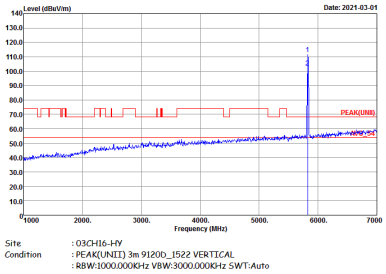
Band 4 5725~5850MHz

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		

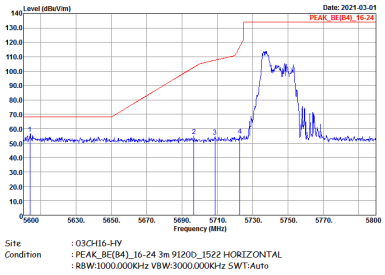
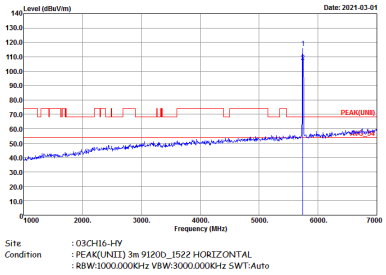
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

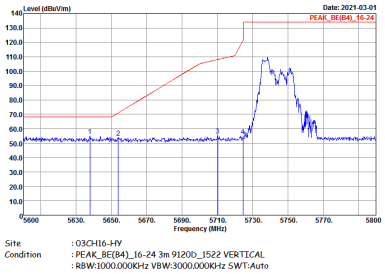
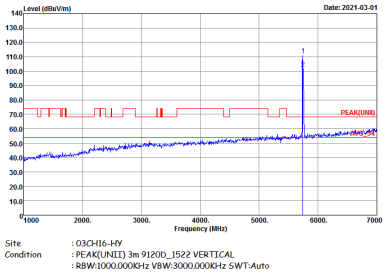
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

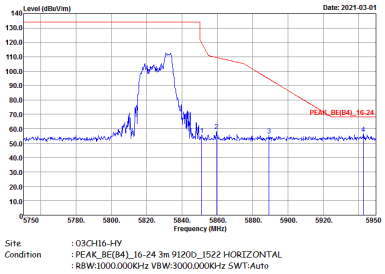
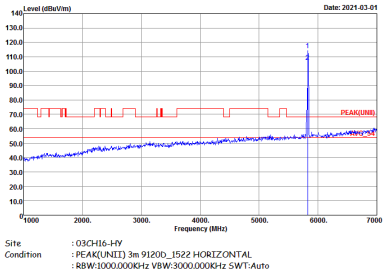
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

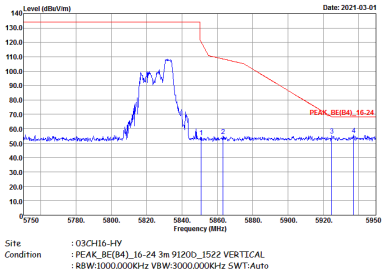
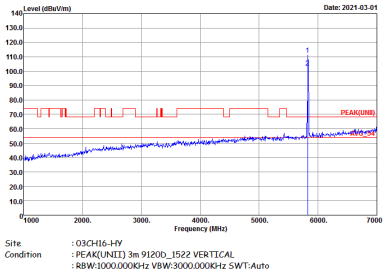
Band 4 5725~5850MHz

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		

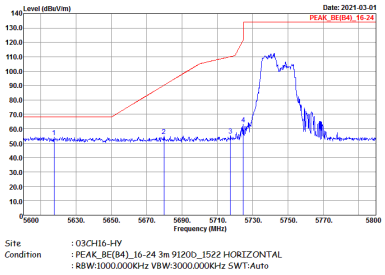
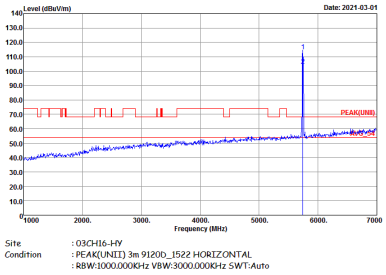
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

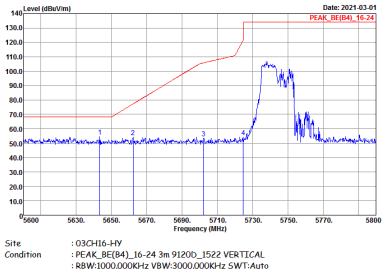
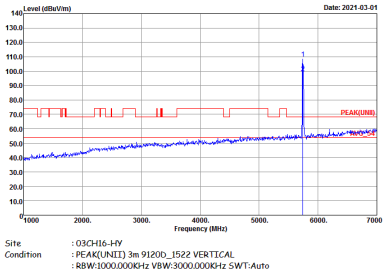
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

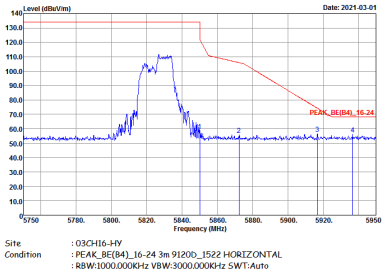
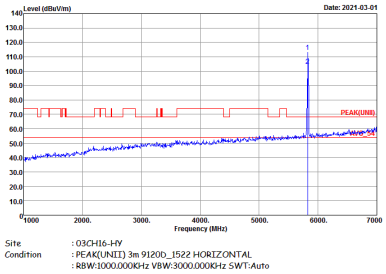
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

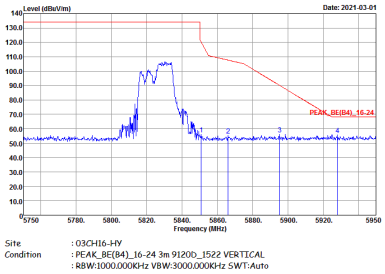
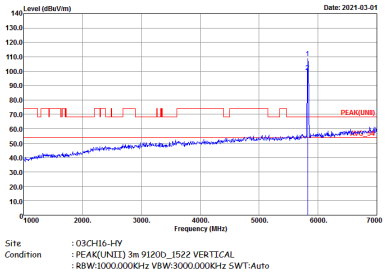
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

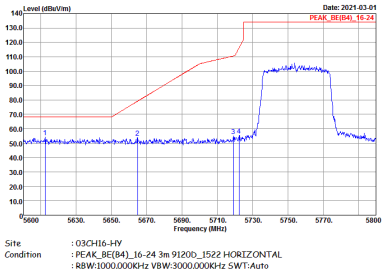
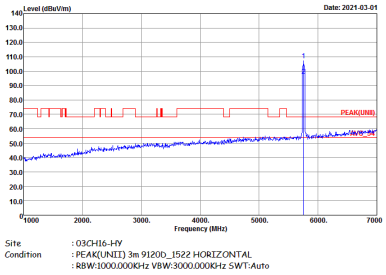
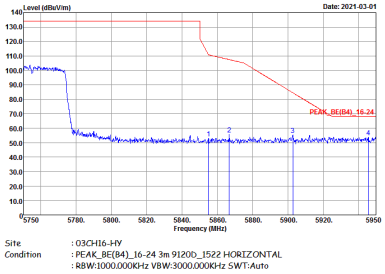
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

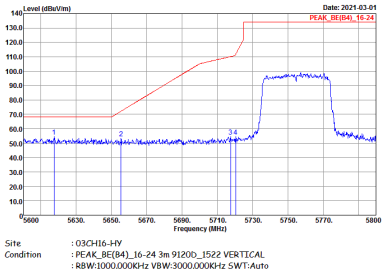
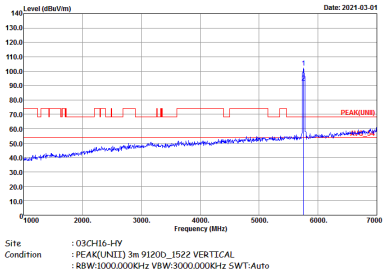
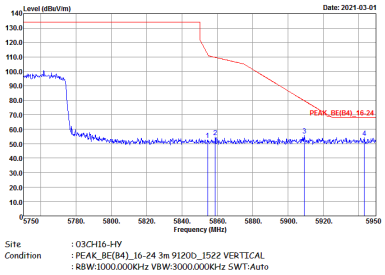
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

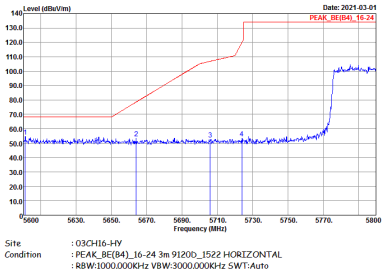
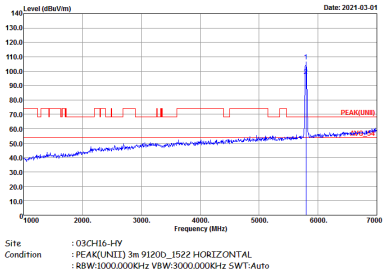
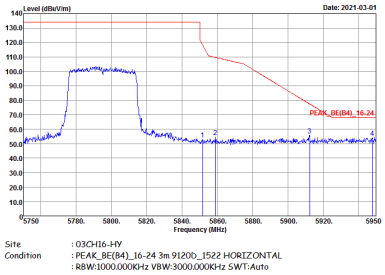
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

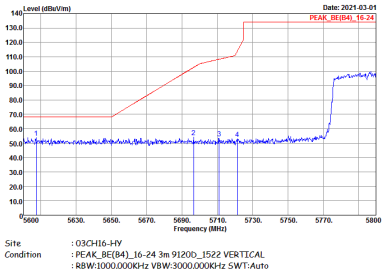
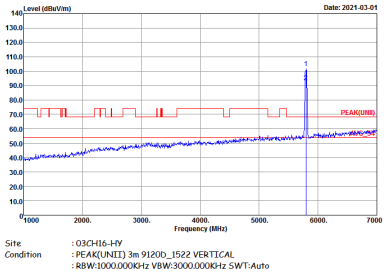
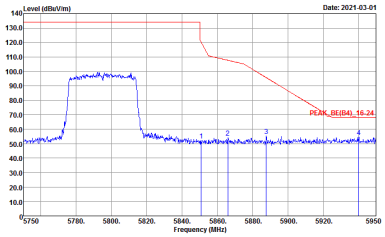
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

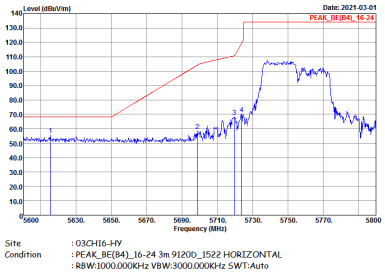
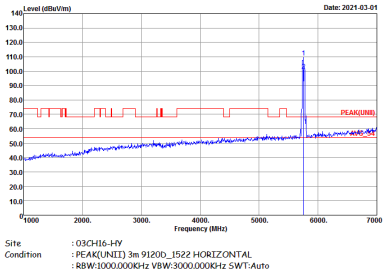
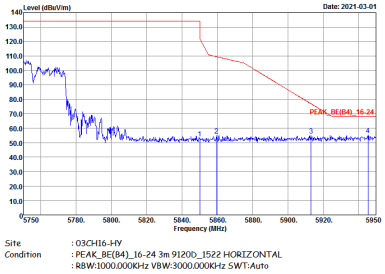
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

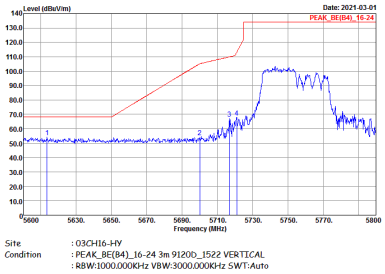
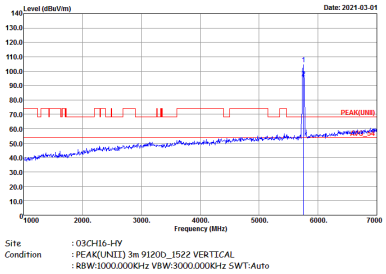
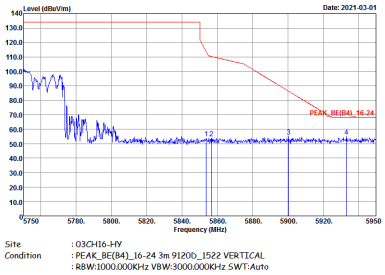
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

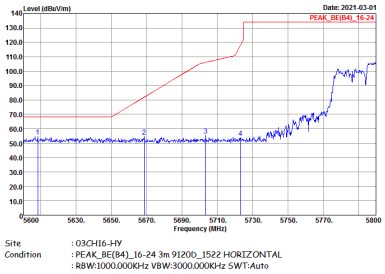
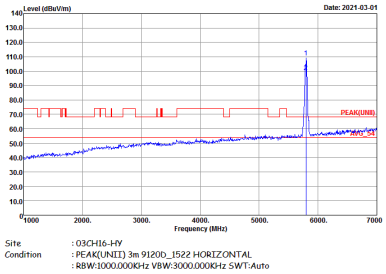
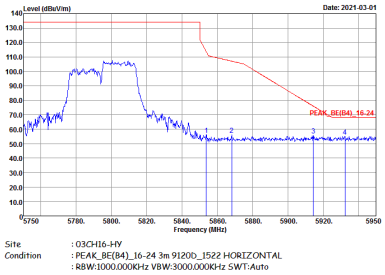
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	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		
Peak		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		
Peak		Left blank

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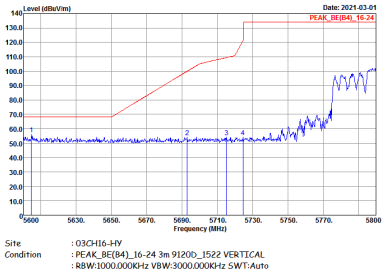
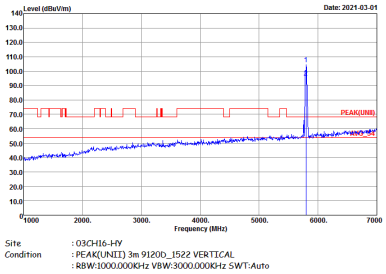
<tr><td>WIFI</td><td colspan="2">Band 4 5725~5850MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE40 Partial 242/62 CH159 5795MHz</td></tr>
<tr><td>0+1</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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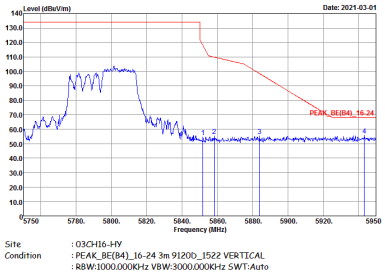
<tr><td>Peak</td><td> 
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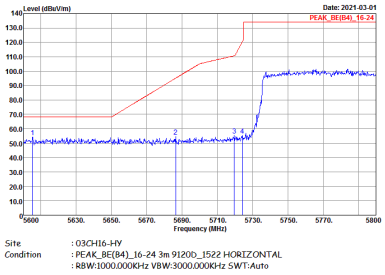
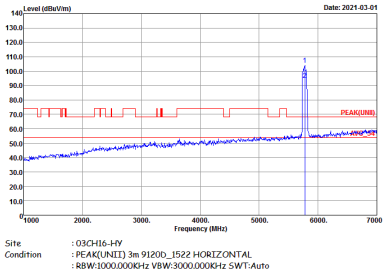
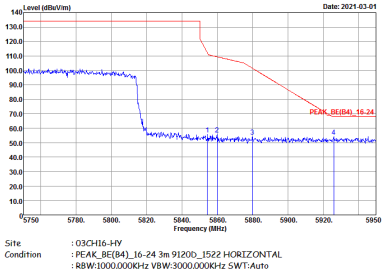
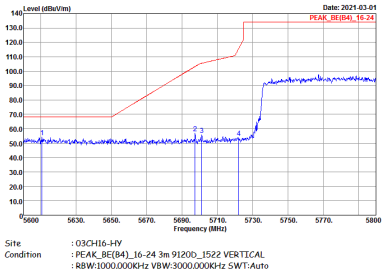
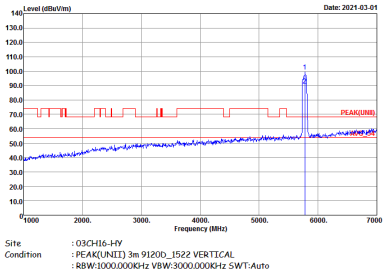
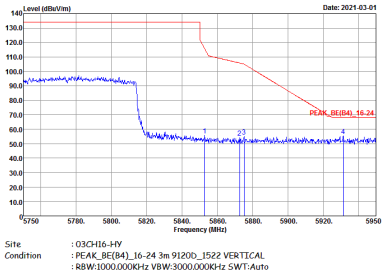
Band 4 5725~5850MHz

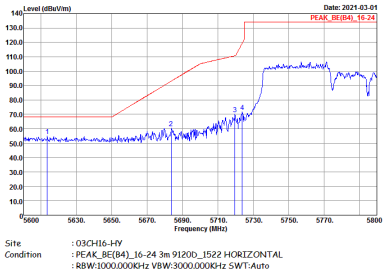
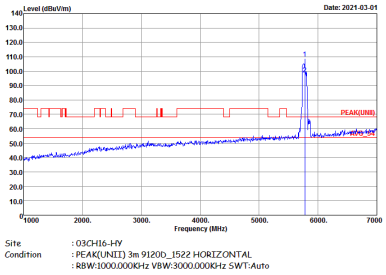
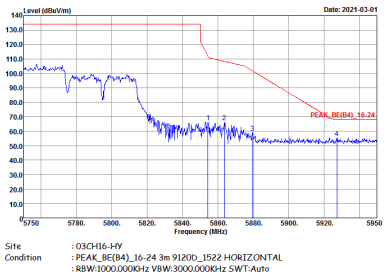
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

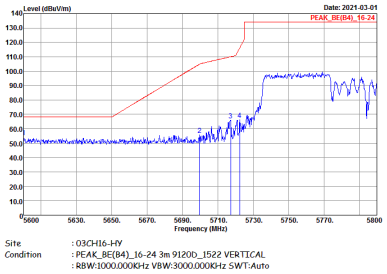
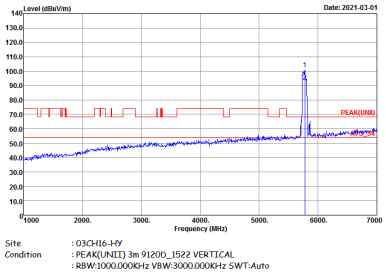
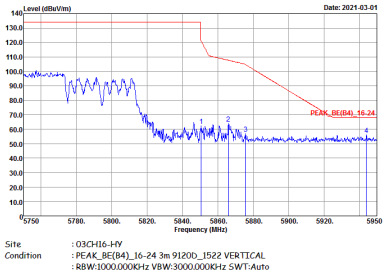
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

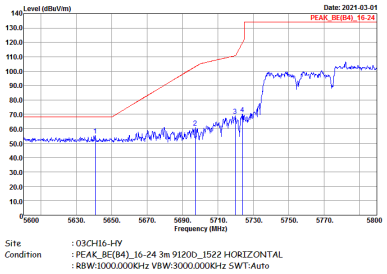
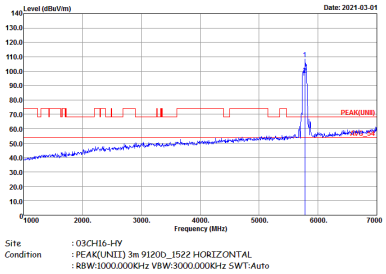
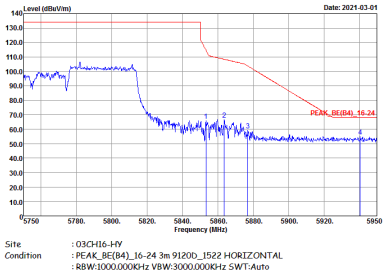
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

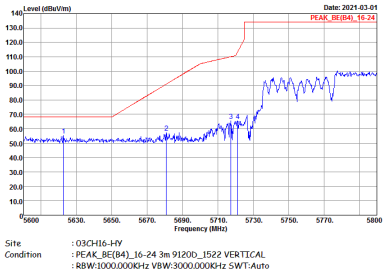
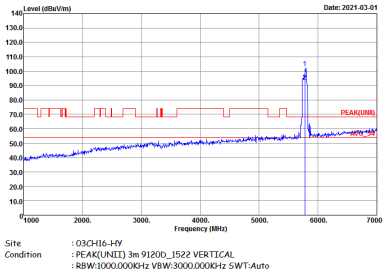
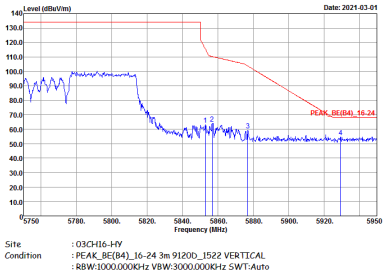
Band 4 5725~5850MHz

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		
Peak		Left blank

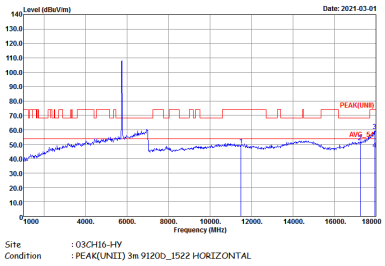
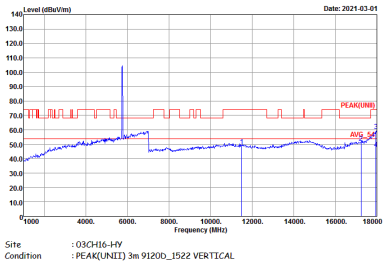
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

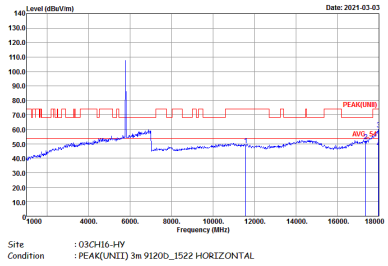
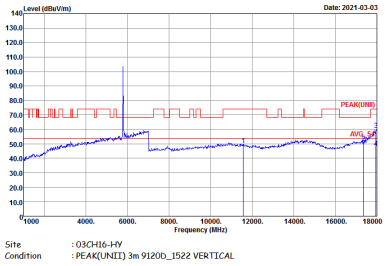
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

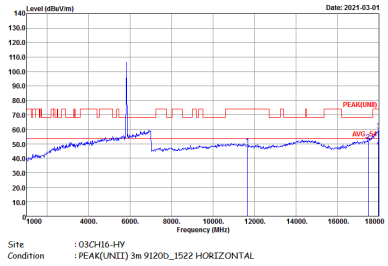
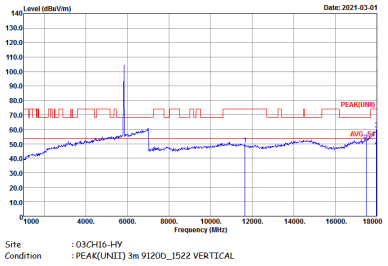
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

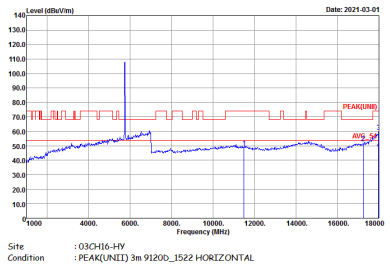
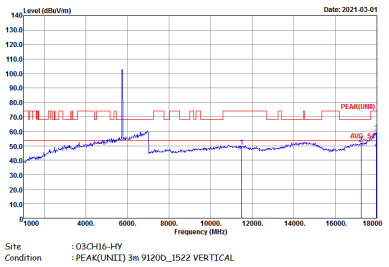
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

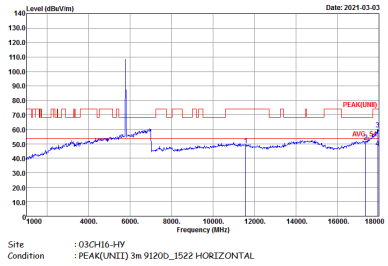
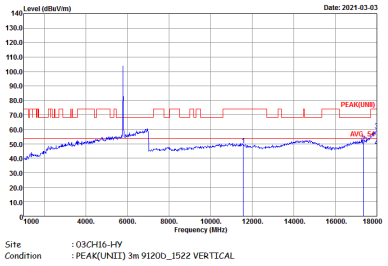
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

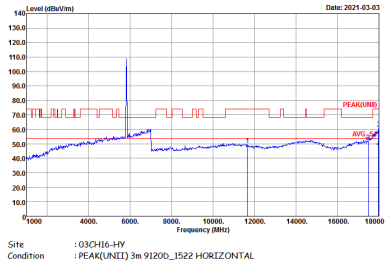
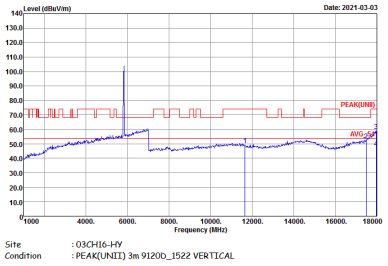
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

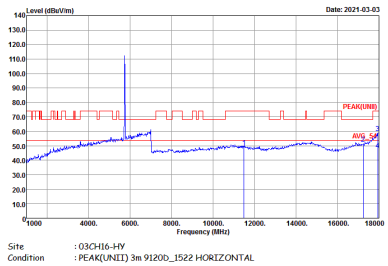
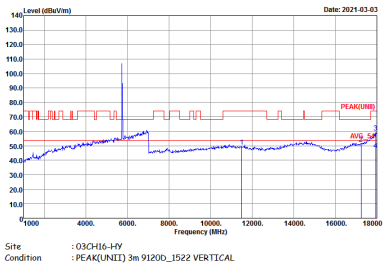
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

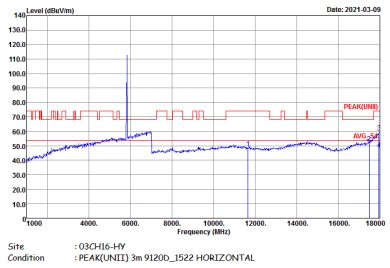
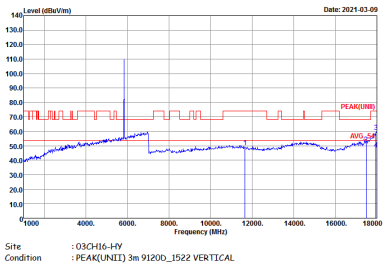
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

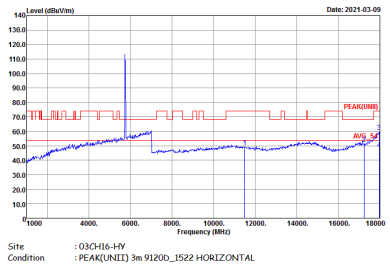
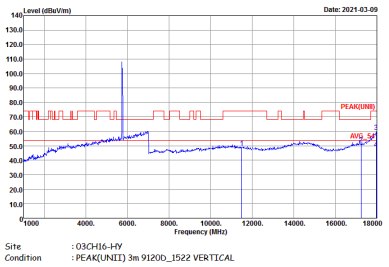
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

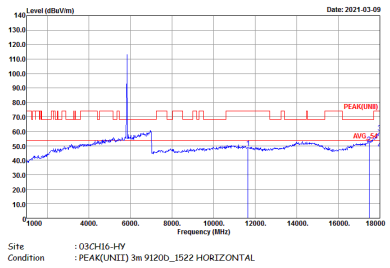
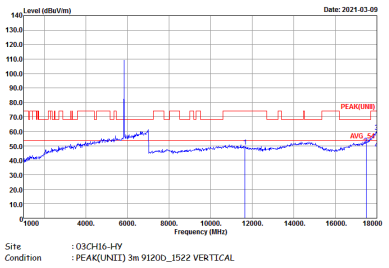
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

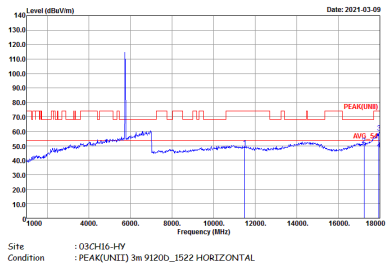
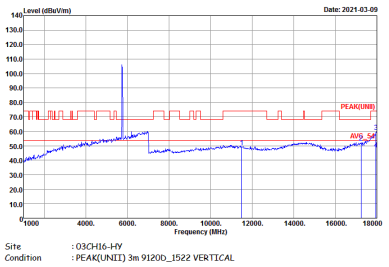
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

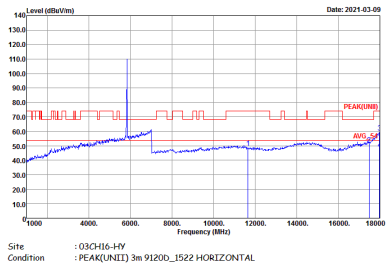
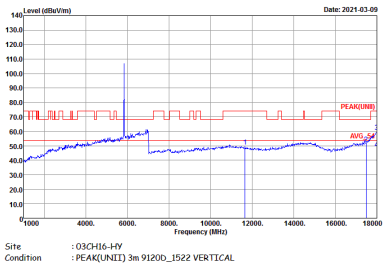
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

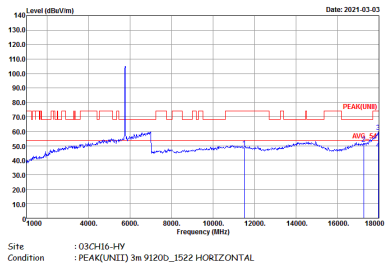
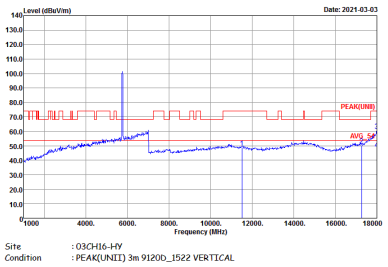
Band 4 5725~5850MHz

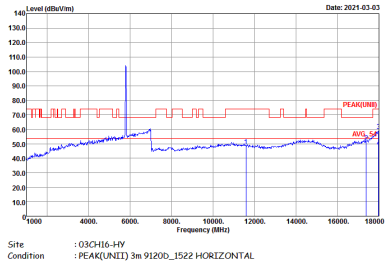
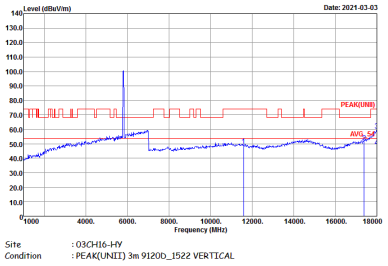
WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

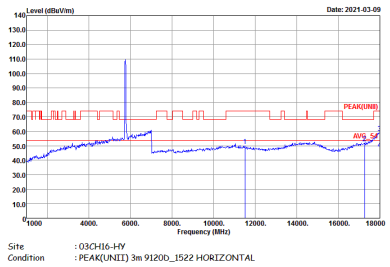
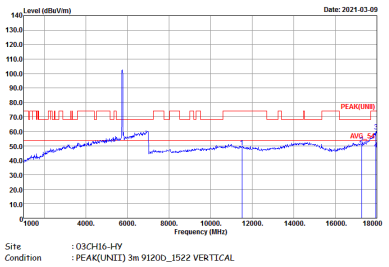
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.		

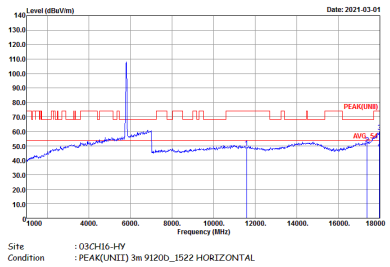
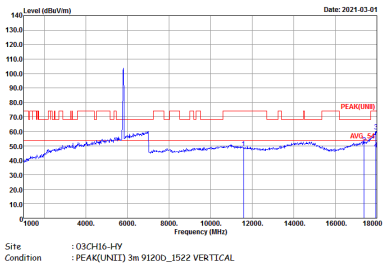
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

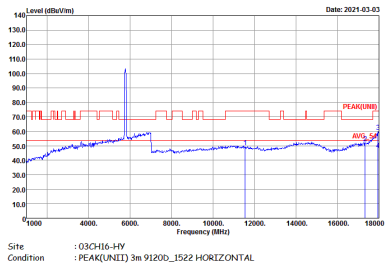
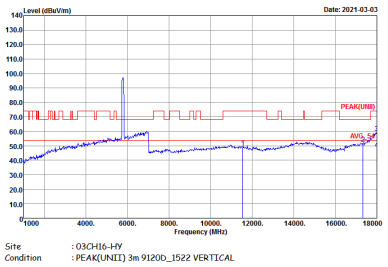
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

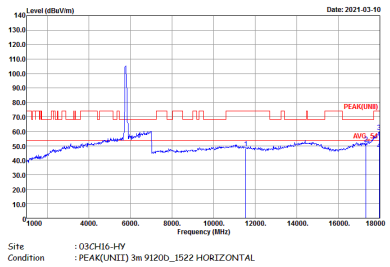
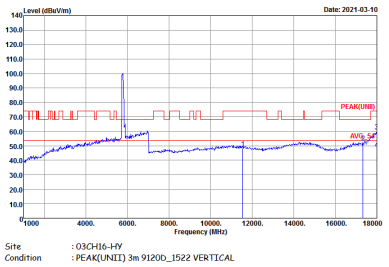
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

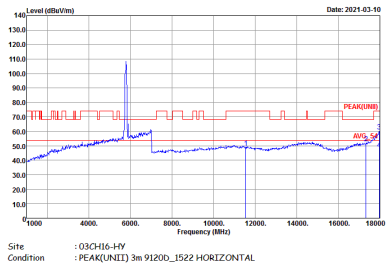
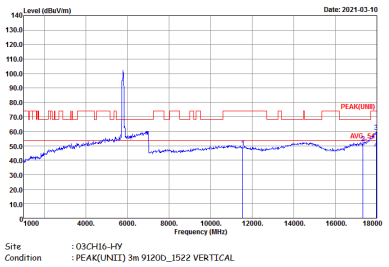
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

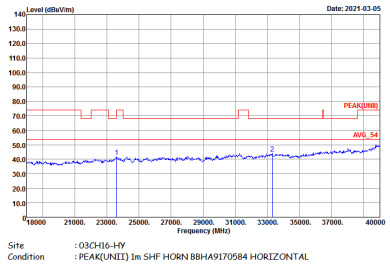
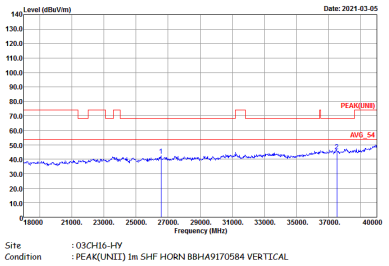
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

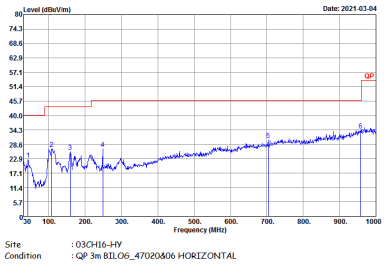
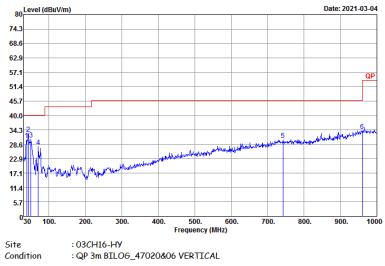
Emission above 18GHz

5GHz WIFI 802.11a (SHF)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
0+1	Horizontal	Vertical
QP / Peak		

Emission below 1GHz

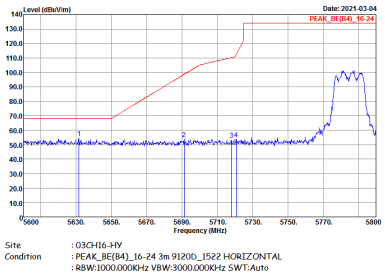
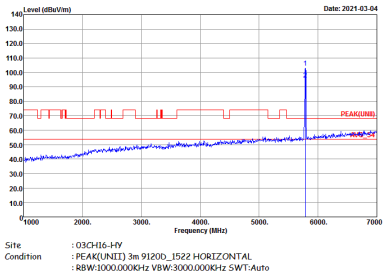
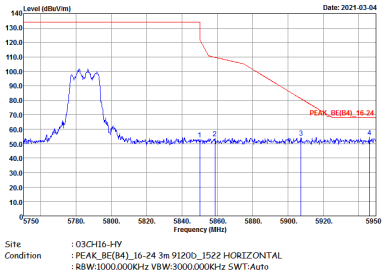
5GHz WIFI 802.11a (LF)

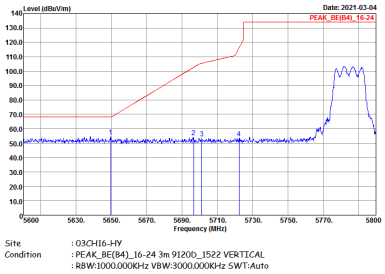
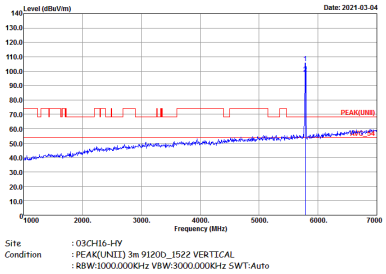
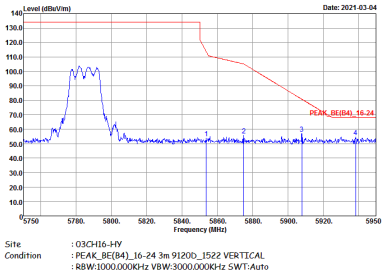
WIFI	5GHz WIFI	
ANT	802.11a LF	
0+1	Horizontal	Vertical
QP / Peak		

<WPC Charging Mode>

Band 4 - 5725~5850MHz

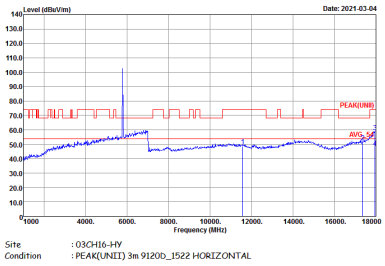
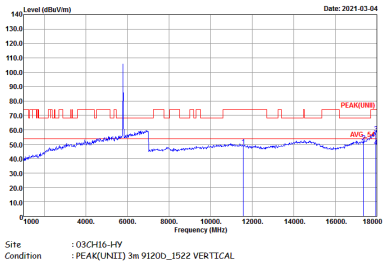
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

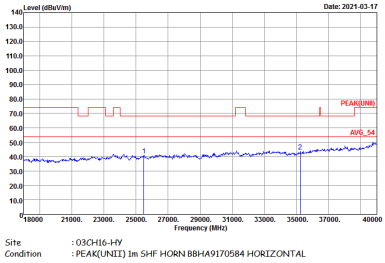
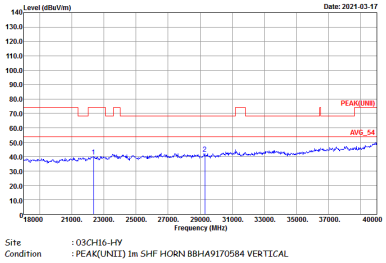
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

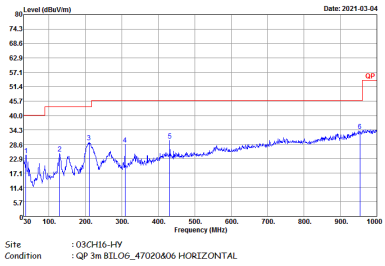
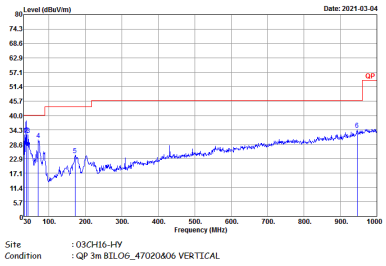
Emission above 18GHz

5GHz WIFI 802.11a (SHF)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
0+1	Horizontal	Vertical
QP / Peak		

Emission below 1GHz

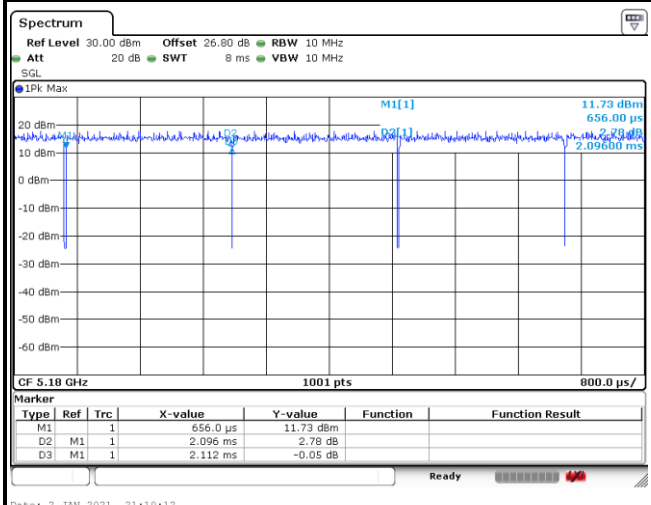
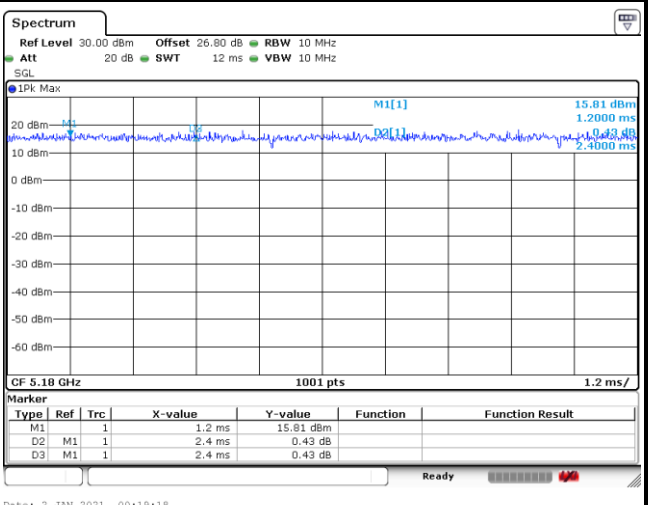
5GHz WIFI 802.11a (LF)

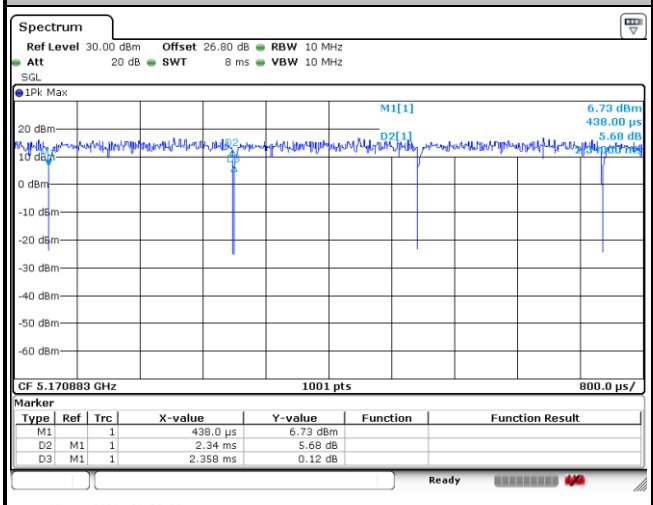
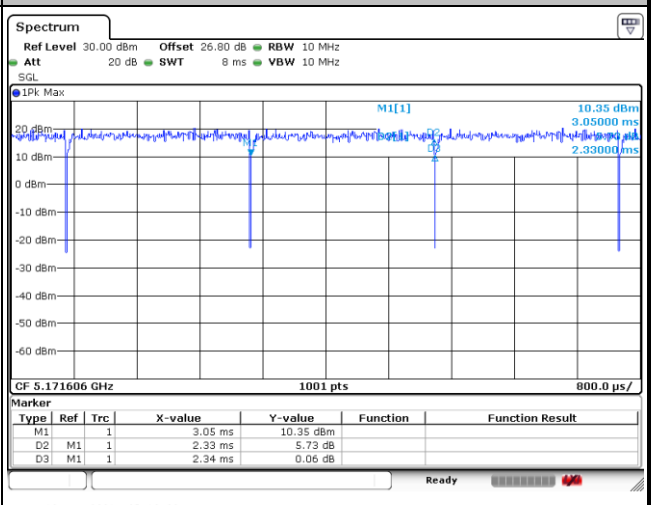
WIFI	5GHz WIFI	
ANT	802.11a LF	
0+1	Horizontal	Vertical
QP / Peak		

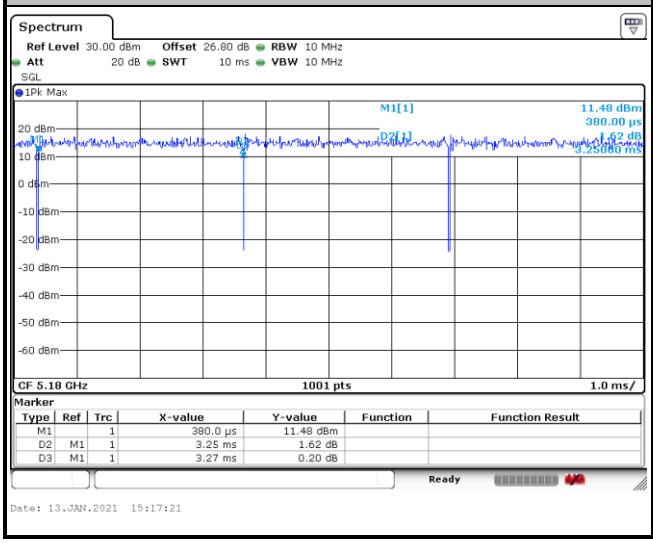
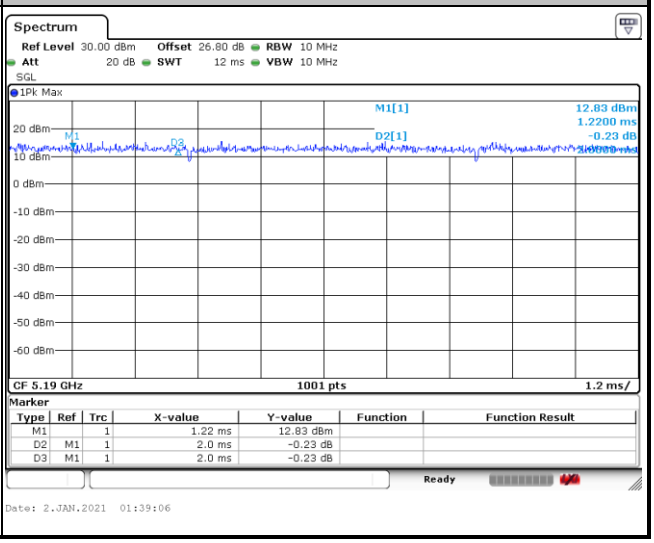
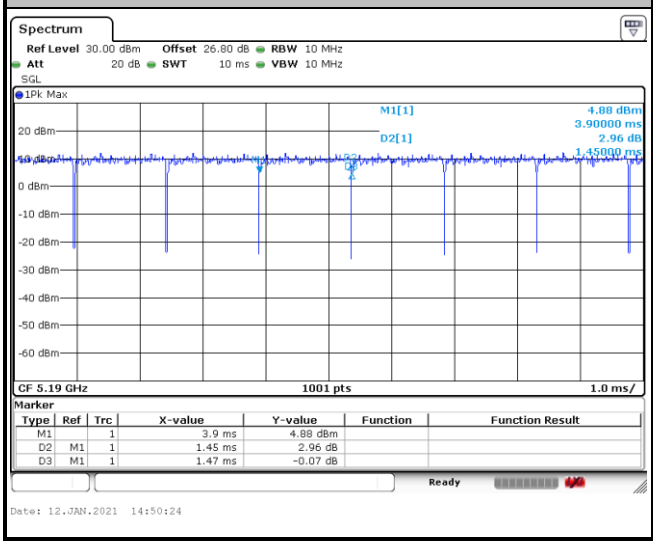
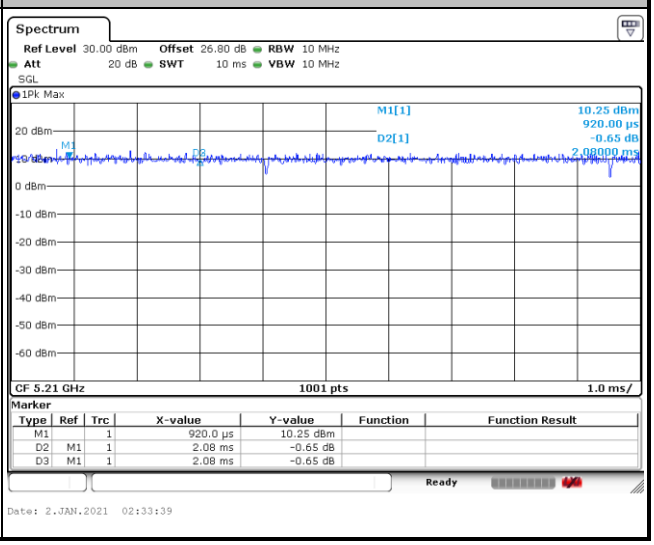
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0+1	802.11a for Ant. 0	99.24	-	-	10Hz	0.03
0+1	802.11a for Ant. 1	99.24	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE20 Full RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 Full RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 26 RU for Ant 0	99.24	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE20 26 RU for Ant 1	99.15	-	-	10Hz	0.04
0+1	5GHz 802.11ax HE20 52 RU for Ant 0	99.57	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 52 RU for Ant 1	99.15	-	-	10Hz	0.04
0+1	5GHz 802.11ax HE20 106 RU for Ant 0	99.39	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE20 106 RU for Ant 1	99.39	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE40 Full RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 Full RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 242 RU for Ant 0	98.64	-	-	10Hz	0.06
0+1	5GHz 802.11ax HE40 242 RU for Ant 1	98.64	-	-	10Hz	0.06
0+1	5GHz 802.11ax HE80 Full RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 Full RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 484 RU for Ant 0	95.40	415	2.41	3kHz	0.20
0+1	5GHz 802.11ax HE80 484 RU for Ant 1	96.55	420	2.38	3kHz	0.15

MIMO <Ant. 0>

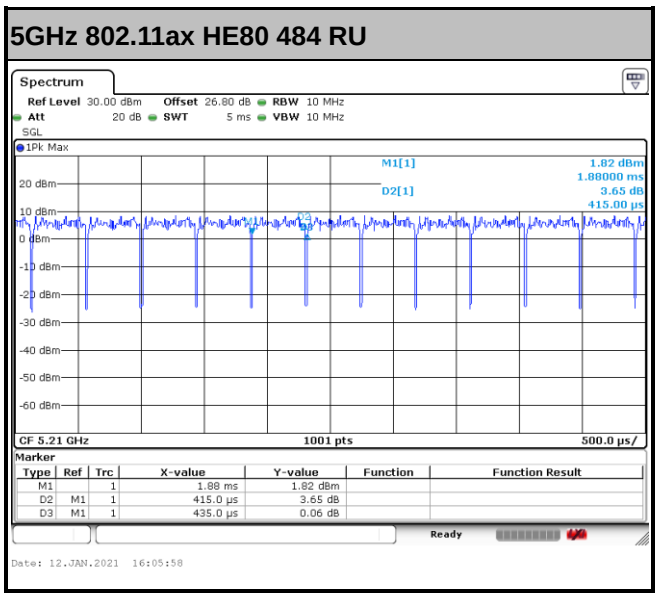
802.11a	802.11ax HE20 Full RU
	

5GHz 802.11ax HE20 26 RU	5GHz 802.11ax HE20 52 RU
	

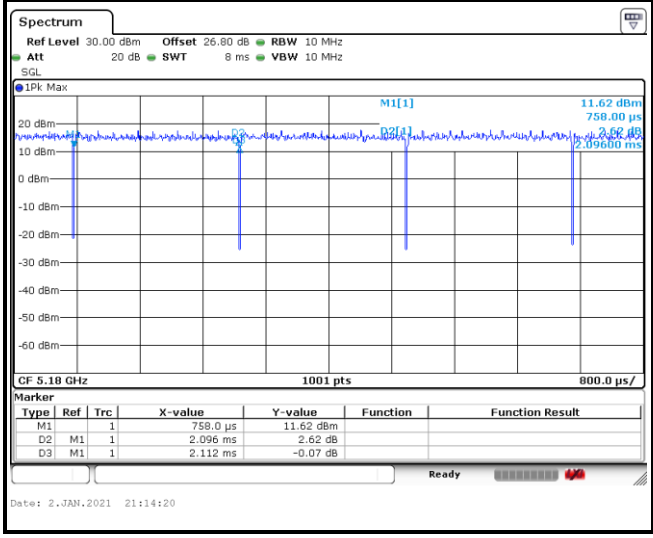
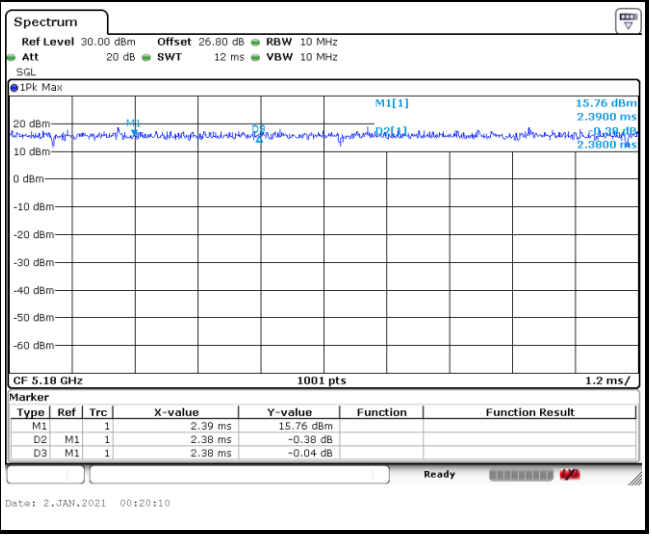
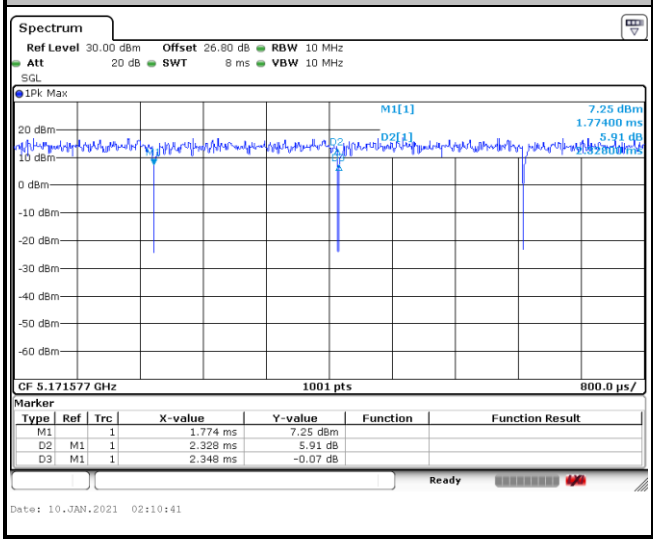
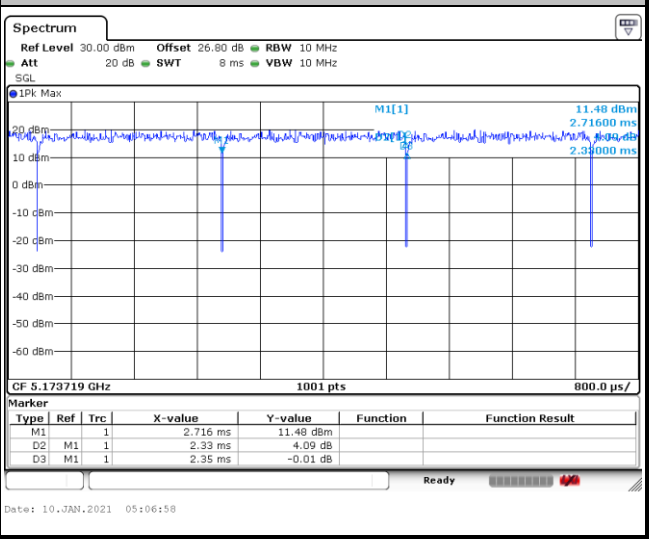
5GHz 802.11ax HE20 106 RU	802.11ax HE40 Full RU
	
	

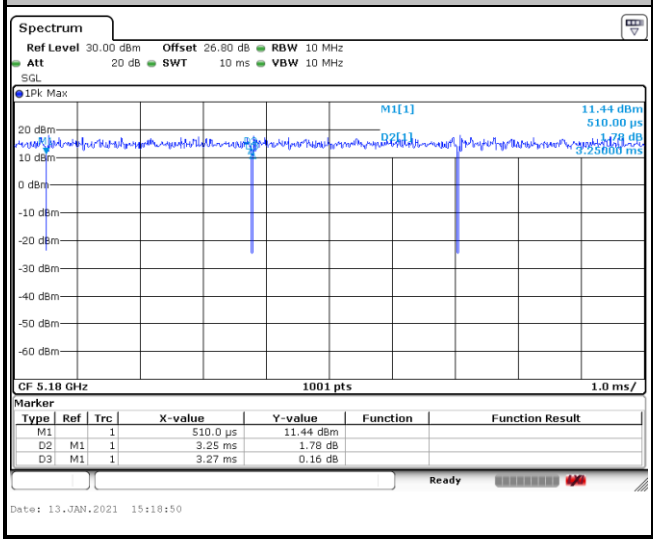
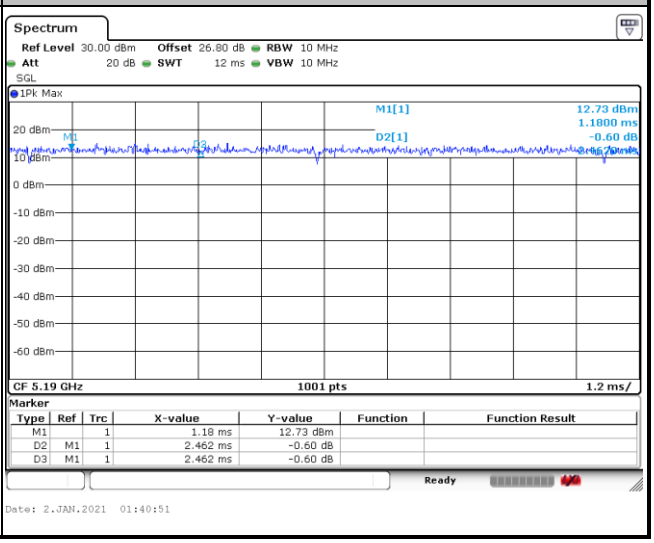
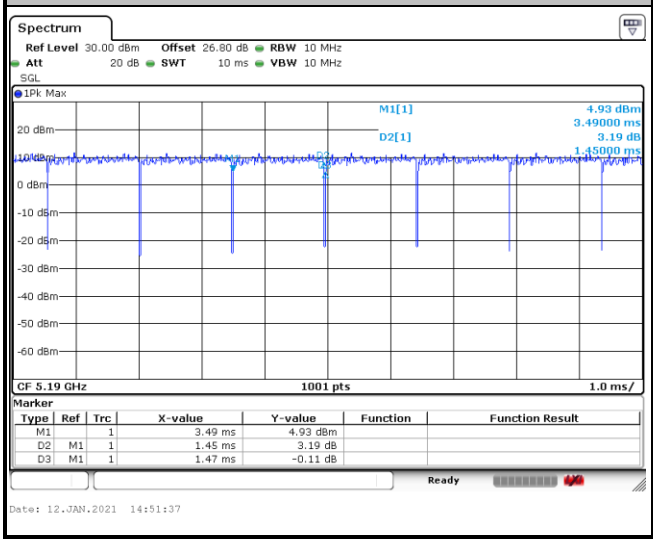
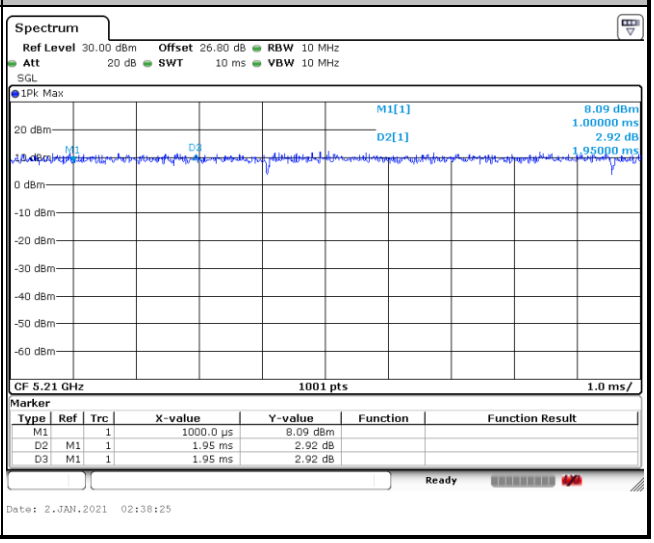
5GHz 802.11ax HE40 242 RU	802.11ax HE80 Full RU

5GHz 802.11ax HE80 484 RU

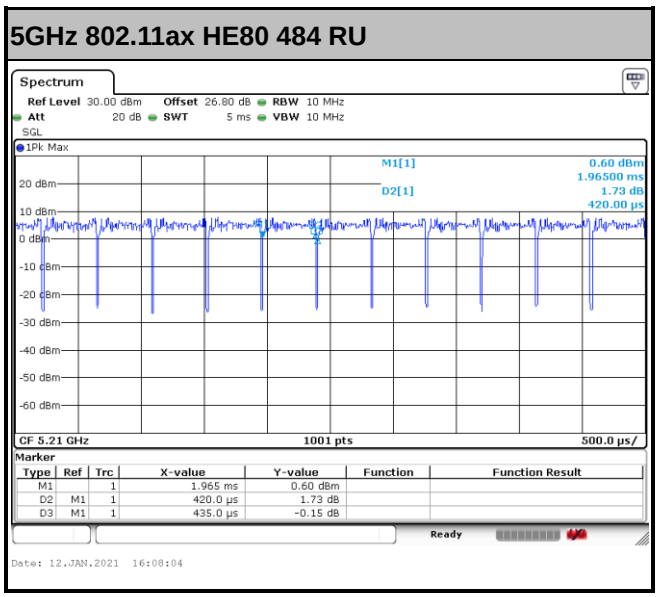


MIMO <Ant. 1>

802.11a	802.11ax HE20 Full RU
	
5GHz 802.11ax HE20 26 RU	**5GHz 802.11ax HE20 52 RU**
	

5GHz 802.11ax HE20 106 RU	802.11ax HE40 Full RU
	
5GHz 802.11ax HE40 242 RU	802.11ax HE80 Full RU
	

5GHz 802.11ax HE80 484 RU



THE END