



FCC RADIO TEST REPORT

FCC ID : PKRISGM2100
Equipment : Wireless Hotspot Modem
Brand Name : Inseego
Model Name : M2100
Marketing Name : M2100
Applicant : Inseego Corporation
9710 Scranton Road Suite 200, San Diego, CA 92121
Manufacturer : Inseego Corporation
9710 Scranton Road Suite 200, San Diego, CA 92121
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 16, 2020 and testing was started from May 24, 2020 and completed on Jul. 24, 2020. 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, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR041648C	01	Initial issue of report	Jul. 27, 2020



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 7.16 dB at 910.760 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 16.75 dB at 0.152 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: Tina Chuang



1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN: Fixed Internal Antenna WLAN: <Ant. 0>: Fixed Internal Antenna <Ant. 1>: Fixed Internal Antenna GPS: Fixed Internal Antenna

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, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH15-HY	

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 (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80.



2.2 Test Mode

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

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

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power and PSD than full RU's, thus the full RU is chosen as main test configuration, and the partial RU is verified the band edge in accordance with the TCB workshop, Oct. 3rd .2018.

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

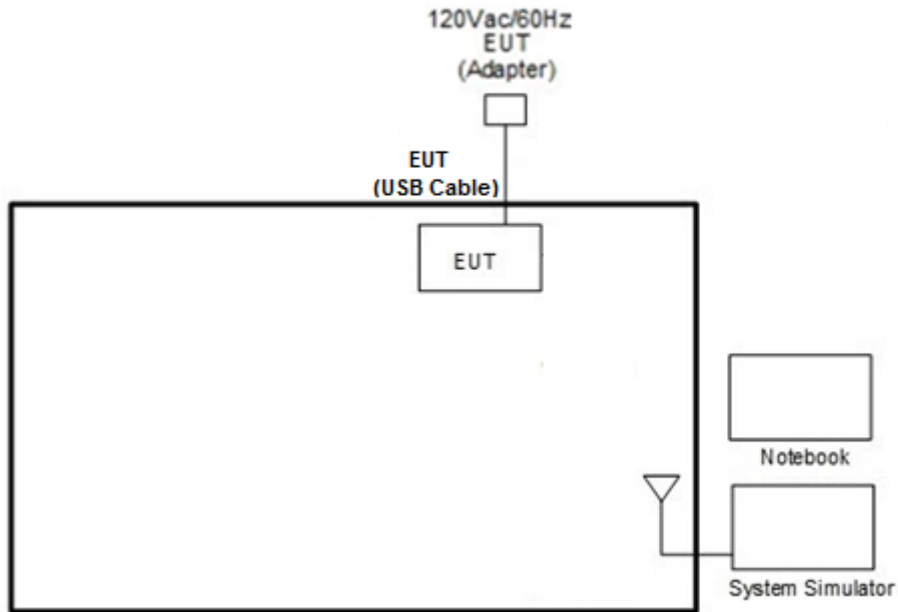
Test Cases	
AC Conducted Emission	Mode 1 : WCDMA Band V Idle + WLAN (5GHz) Link + Battery 1 + USB Cable (Charging from AC Adapter)
Remark: For Radiated Test Cases, the tests were performed with Battery 1	

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

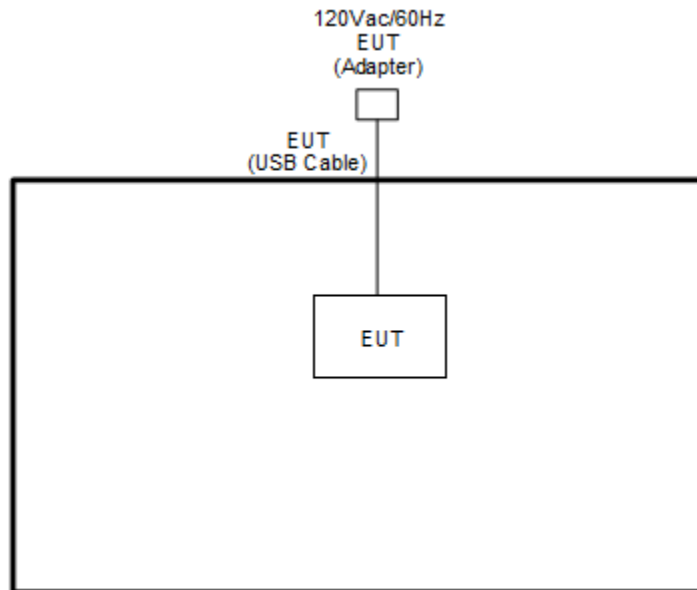
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power, the worst mode of WLAN and LTE for simultaneous transmission were verified and compliant.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0.00156.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

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

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

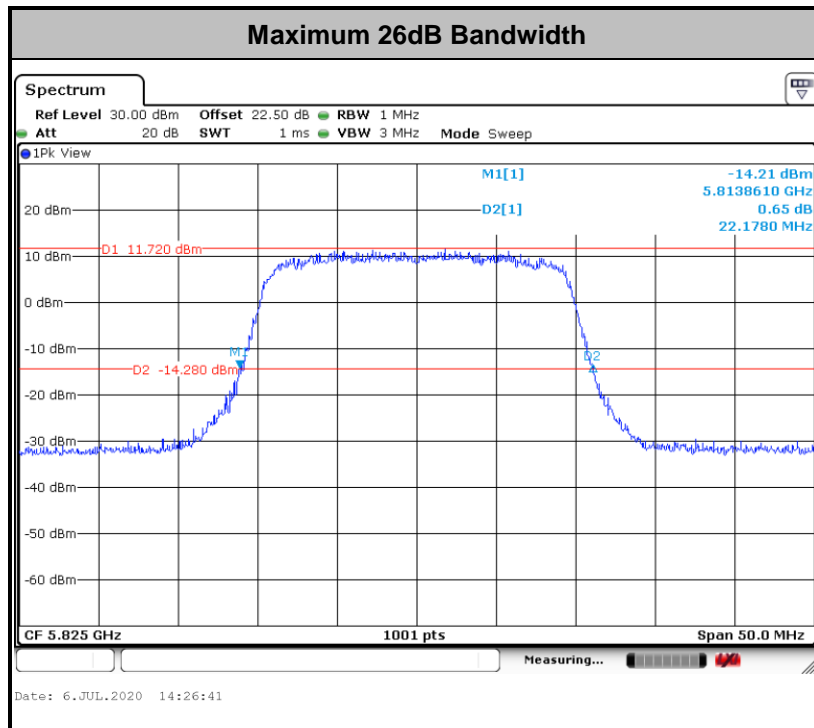
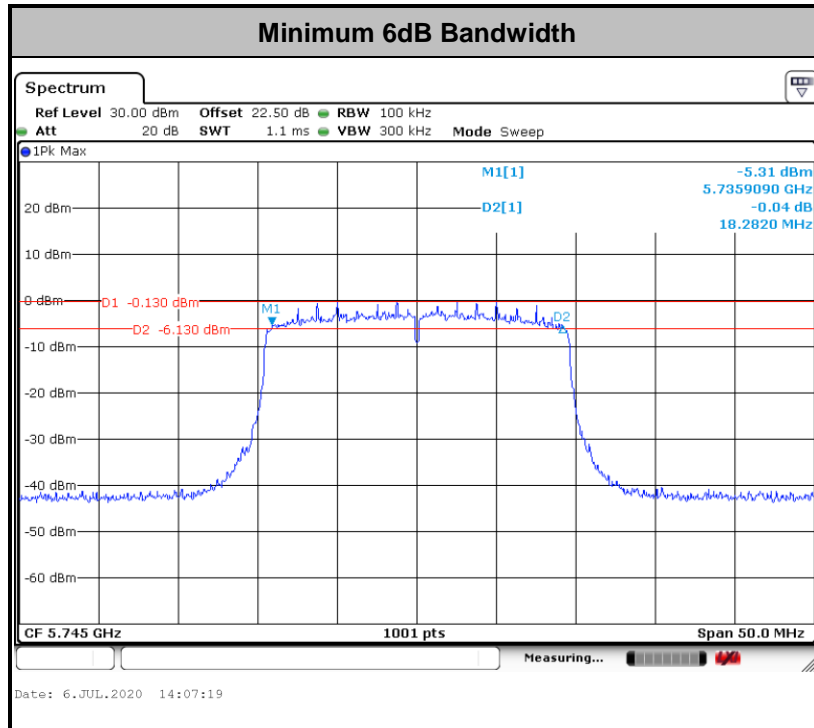
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is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

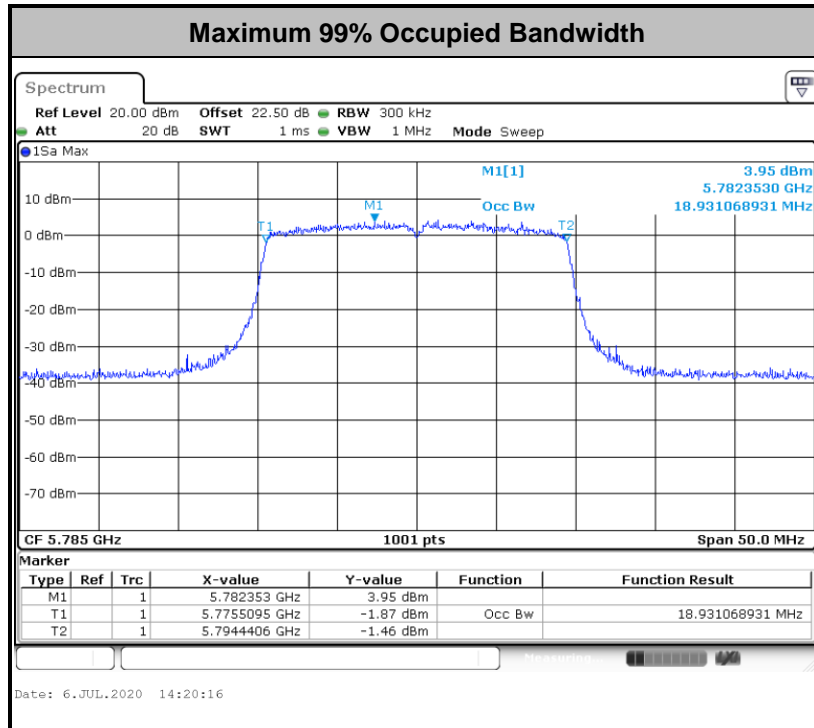
3.1.4 Test Setup



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

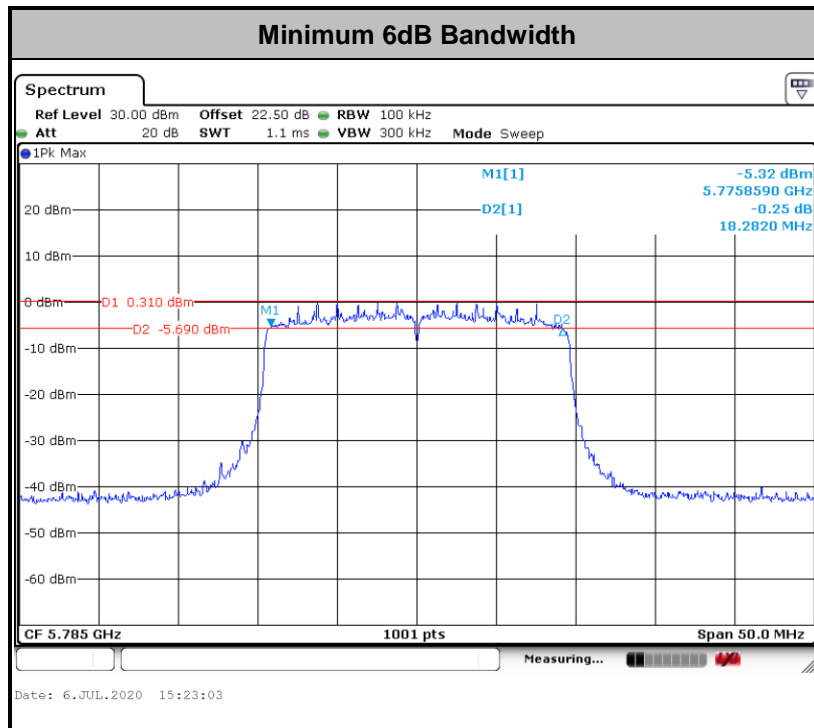
Please refer to Appendix A.

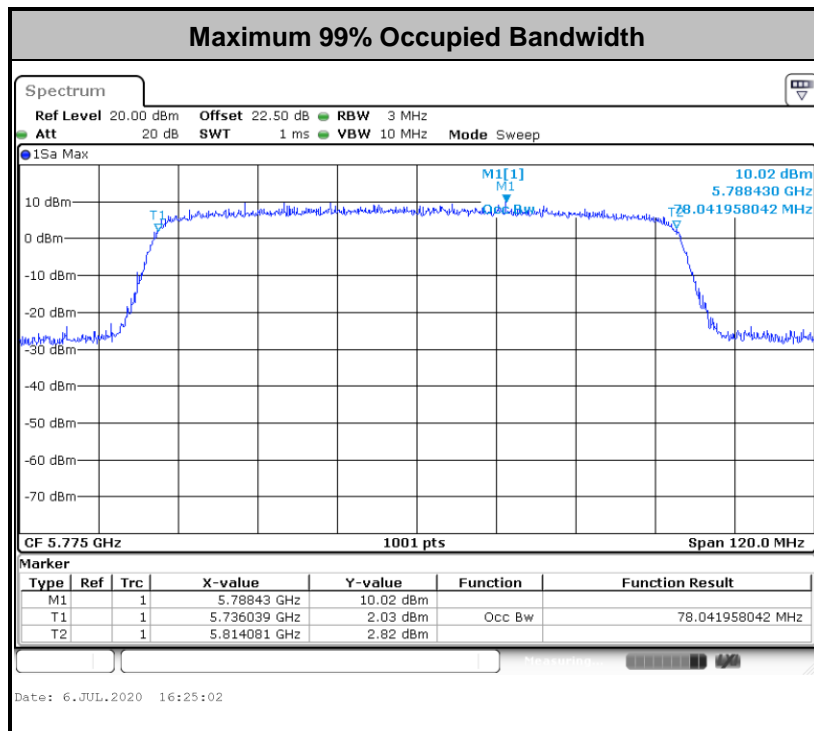
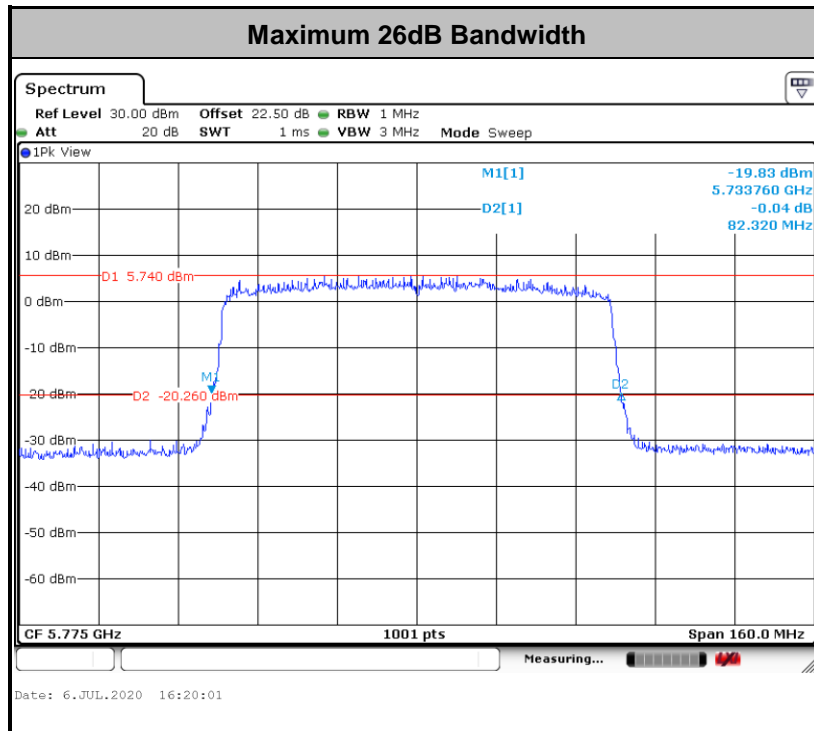




Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For 802.11ax Mode>





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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

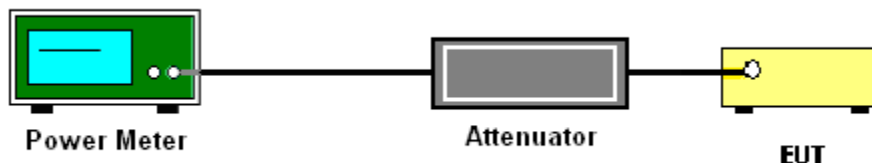
<CDD Modes>

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

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):

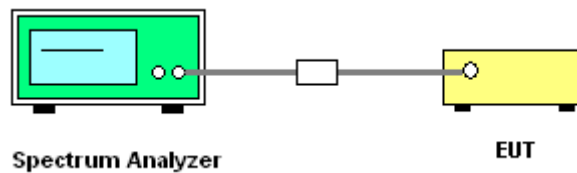
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW \geq 1 MHz.
- Number of points in sweep \geq 2 Span / RBW.
- Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

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

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

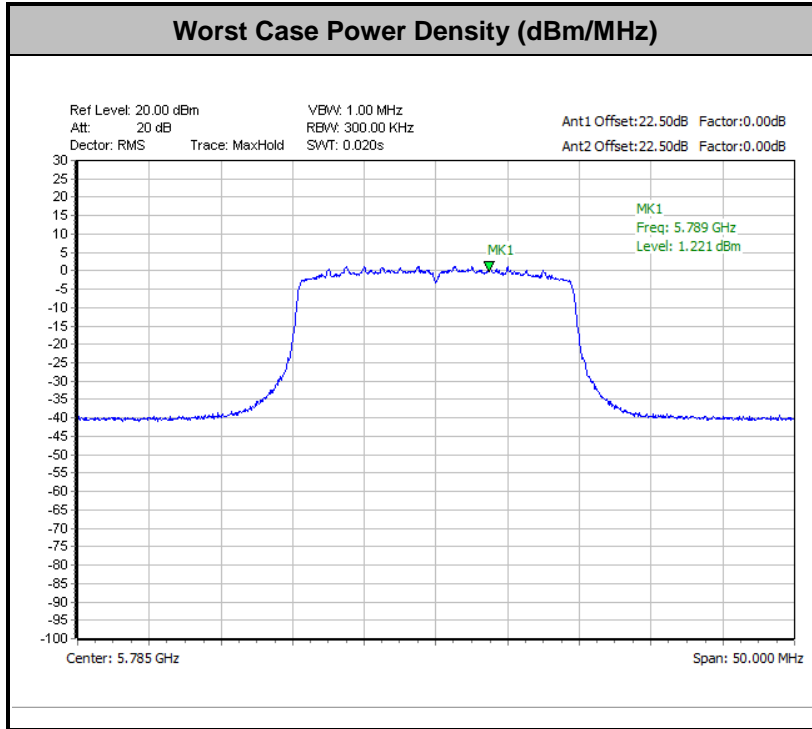
3.3.4 Test Setup



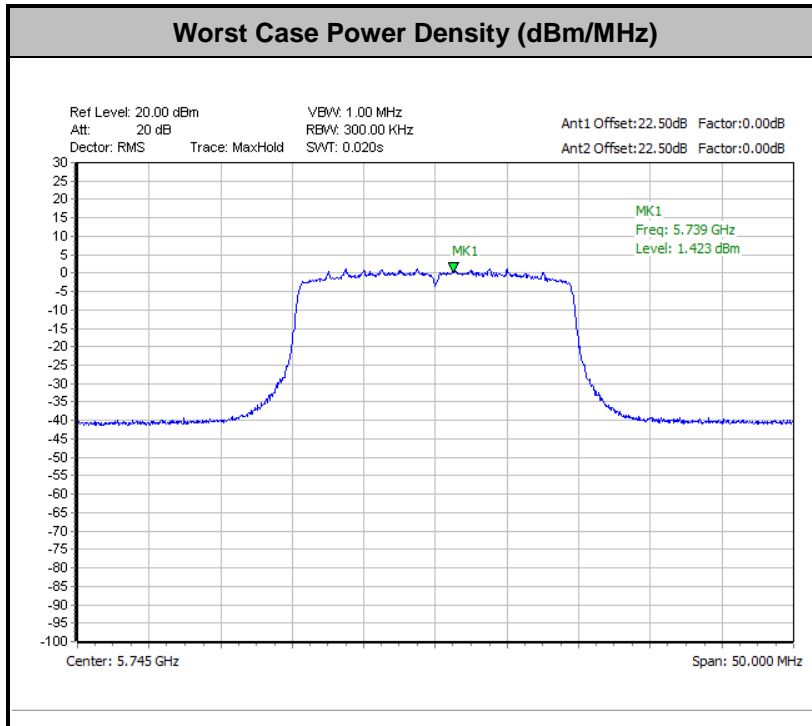


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



<For 802.11ax Mode>





3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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 1000MHz

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

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

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

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

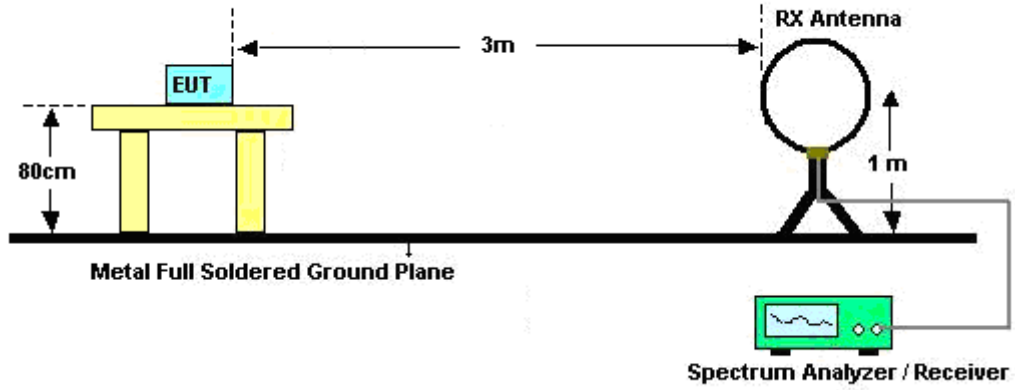
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW \geq $1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



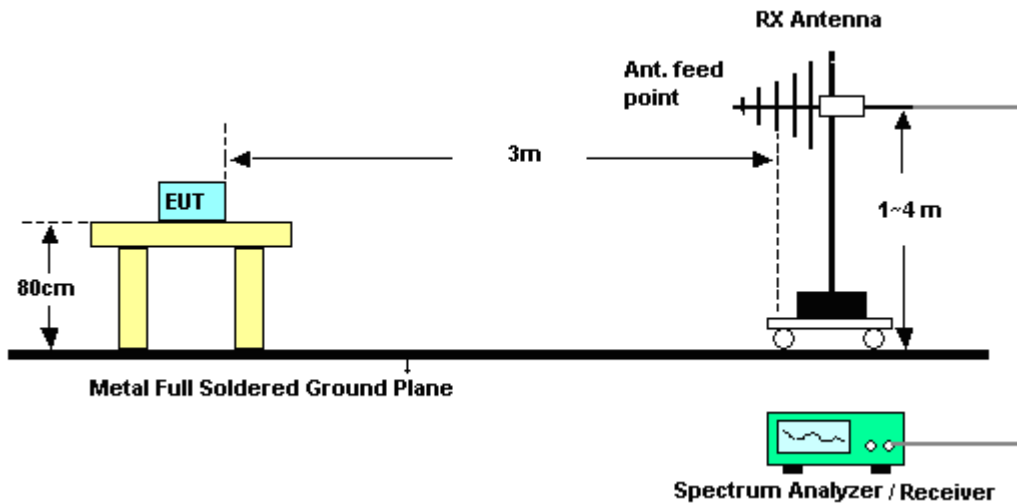
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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 1GHz, 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 1GHz, the emission level of the EUT in peak mode was 20dB 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

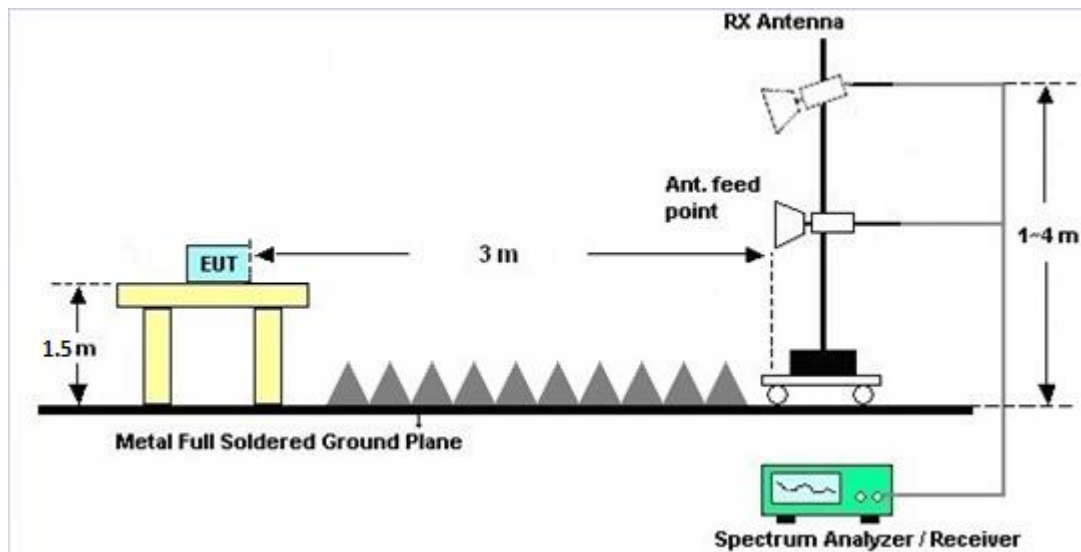
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

*Decreases with the logarithm of the frequency.

3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should 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

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



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	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	4.50	2.40	4.50	6.52	0.00	0.52

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jun. 05, 2020~ Jul. 09, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D& 00800N1D0 1N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1620	1-18GHz	Oct. 28, 2019	Jun. 05, 2020~ Jul. 09, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55- 303	171000180005 5006	1GHz~18GHz	May 07, 2020	Jun. 05, 2020~ Jul. 09, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2019	Jun. 05, 2020~ Jul. 09, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jun. 05, 2020~ Jul. 09, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 01, 2019	Jun. 05, 2020~ Jul. 09, 2020	Oct. 31, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Jun. 05, 2020~ Jul. 09, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Jun. 05, 2020~ Jul. 09, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 14, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Jun. 05, 2020~ Jul. 09, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Jun. 05, 2020~ Jul. 09, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000- 1530-8000-4 0SS	SN4	1.53G Low Pass	Jul. 04, 2019	Jun. 03, 2020~ Jul. 02, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000- 1530-8000-4 0SS	SN4	1.53G Low Pass	Jul. 03, 2020	Jul. 03, 2020~ Jul. 09, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-587 2.5-6750-18 000-40ST	SN6	6.75GHz High Pass Filter	Jul. 04, 2019	Jun. 03, 2020~ Jul. 02, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-587 2.5-6750-18 000-40ST	SN6	6.75GHz High Pass Filter	Jul. 03, 2020	Jul. 03, 2020~ Jul. 09, 2020	Jul. 02, 2021	Radiation (03CH15-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	HTC-1	2	N/A	Mar. 02, 2020	May 24, 2020~ Jul. 24, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015S NO36	10MHz~6GHz	Jan. 22, 2020	May 24, 2020~ Jul. 24, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101906	10Hz-40GHz	May 07, 2020	May 24, 2020~ Jul. 24, 2020	May 06, 2021	Conducted (TH05-HY)
Switch Control Manframe	Burgeon	ETF-1405-0	EC190015 7	N/A	Aug. 15,2019	May 24, 2020~ Jul. 24, 2020	Aug. 14,2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 01, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jun. 01, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jun. 01, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jun. 01, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 01, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jun. 01, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jun. 01, 2020	Jan. 01, 2021	Conduction (CO05-HY)



5 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

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

Test Engineer:	Jacob Yu	Temperature:	21.5~23.7	°C
Test Date:	2020/5/24-2020/7/24	Relative Humidity:	51~55.8	%

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	18.88	18.88	22.08	22.03	18.63	18.28	0.5	Pass
11a	6Mbps	2	157	5785	18.88	18.93	22.13	22.03	18.73	18.53	0.5	Pass
11a	6Mbps	2	165	5825	18.88	18.88	22.18	22.13	18.53	18.48	0.5	Pass

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	18.88	21.93	22.13	18.73	18.48	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.88	18.88	21.98	22.08	18.73	18.28	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.88	18.88	22.03	22.03	18.78	18.48	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.76	37.86	41.00	41.18	37.76	37.58	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.86	37.86	41.45	41.45	37.94	37.58	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.80	78.04	82.32	82.00	77.52	77.04	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV single antenna												
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	1	149	5745	11.9	12.1		30.00	30.00	4.50	2.40	Pass
11a	6Mbps	1	157	5785	11.8	12.4		30.00	30.00	4.50	2.40	Pass
11a	6Mbps	1	165	5825	11.9	12.5		30.00	30.00	4.50	2.40	Pass
HT20	MCS0	1	149	5745	11.9	12.3		30.00	30.00	4.50	2.40	Pass
HT20	MCS0	1	157	5785	11.7	12.1		30.00	30.00	4.50	2.40	Pass
HT20	MCS0	1	165	5825	11.9	12.3		30.00	30.00	4.50	2.40	Pass
HT40	MCS0	1	151	5755	11.9	12.2		30.00	30.00	4.50	2.40	Pass
HT40	MCS0	1	159	5795	11.7	12.0		30.00	30.00	4.50	2.40	Pass
VHT20	MCS0	1	149	5745	11.8	12.1		30.00	30.00	4.50	2.40	Pass
VHT20	MCS0	1	157	5785	11.6	12.0		30.00	30.00	4.50	2.40	Pass
VHT20	MCS0	1	165	5825	11.8	12.2		30.00	30.00	4.50	2.40	Pass
VHT40	MCS0	1	151	5755	11.8	12.1		30.00	30.00	4.50	2.40	Pass
VHT40	MCS0	1	159	5795	11.6	11.9		30.00	30.00	4.50	2.40	Pass
VHT80	MCS0	1	155	5775	11.9	12.0		30.00	30.00	4.50	2.40	Pass

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	13.0	12.2	15.6	30.00		4.50		Pass
11a	6Mbps	2	157	5785	13.2	12.5	15.9	30.00		4.50		Pass
11a	6Mbps	2	165	5825	12.9	12.8	15.9	30.00		4.50		Pass
HT20	MCS0	2	149	5745	13.3	12.3	15.8	30.00		4.50		Pass
HT20	MCS0	2	157	5785	13.2	12.2	15.7	30.00		4.50		Pass
HT20	MCS0	2	165	5825	12.9	12.4	15.7	30.00		4.50		Pass
HT40	MCS0	2	151	5755	13.3	12.3	15.8	30.00		4.50		Pass
HT40	MCS0	2	159	5795	13.0	12.1	15.6	30.00		4.50		Pass
VHT20	MCS0	2	149	5745	13.2	12.2	15.7	30.00		4.50		Pass
VHT20	MCS0	2	157	5785	13.1	12.1	15.6	30.00		4.50		Pass
VHT20	MCS0	2	165	5825	12.9	12.3	15.6	30.00		4.50		Pass
VHT40	MCS0	2	151	5755	13.2	12.2	15.7	30.00		4.50		Pass
VHT40	MCS0	2	159	5795	13.0	12.0	15.5	30.00		4.50		Pass
VHT80	MCS0	2	155	5775	12.9	12.2	15.6	30.00		4.50		Pass

TEST RESULTS DATA
Average Power Table

Band IV single antenna													
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	1	149	5745	Full	12.0	12.4		30.00	30.00	4.50	2.40	Pass
HE20	MCS0	1	157	5785	Full	11.8	12.2		30.00	30.00	4.50	2.40	Pass
HE20	MCS0	1	165	5825	Full	12.0	12.4		30.00	30.00	4.50	2.40	Pass
HE40	MCS0	1	151	5755	Full	12.0	12.3		30.00	30.00	4.50	2.40	Pass
HE40	MCS0	1	159	5795	Full	11.8	12.4		30.00	30.00	4.50	2.40	Pass
HE80	MCS0	1	155	5775	Full	12.0	12.1		30.00	30.00	4.50	2.40	Pass

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	13.4	12.5	16.0	30.00		4.50		Pass
HE20	MCS0	2	157	5785	Full	13.3	12.3	15.8	30.00		4.50		Pass
HE20	MCS0	2	165	5825	Full	13.0	12.5	15.8	30.00		4.50		Pass
HE40	MCS0	2	151	5755	Full	13.4	12.4	15.9	30.00		4.50		Pass
HE40	MCS0	2	159	5795	Full	13.4	12.5	16.0	30.00		4.50		Pass
HE80	MCS0	2	155	5775	Full	13.2	12.2	15.7	30.00		4.50		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	1.06	0.05	4.07	29.48	29.48	6.52	6.52	Pass	
11a	6Mbps	2	157	5785	2.22	1.20	0.20	4.21	29.48	29.48	6.52	6.52	Pass	
11a	6Mbps	2	165	5825	2.22	0.46	0.29	3.47	29.48	29.48	6.52	6.52	Pass	

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

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	1.30	0.45	4.31	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	149	5745	26/0	2.22	0.34	-0.36	3.35	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	149	5745	52/37	2.22	0.31	-0.76	3.32	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	149	5745	106/53	2.22	0.44	-0.44	3.45	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	157	5785	Full	2.22	1.23	0.59	4.24	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	157	5785	26/4	2.22	0.11	-0.65	3.12	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	165	5825	Full	2.22	0.57	0.28	3.58	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	165	5825	26/8	2.22	0.50	0.01	3.51	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	165	5825	52/40	2.22	0.36	0.09	3.37	29.48	29.48	6.52	6.52	Pass	
HE20	MCS0	2	165	5825	106/54	2.22	0.53	-0.08	3.54	29.48	29.48	6.52	6.52	Pass	
HE40	MCS0	2	151	5755	Full	2.22	-1.11	-2.17	1.90	29.48	29.48	6.52	6.52	Pass	
HE40	MCS0	2	151	5755	242/61	2.22	-1.69	-2.55	1.32	29.48	29.48	6.52	6.52	Pass	
HE40	MCS0	2	159	5795	Full	2.22	-1.48	-2.35	1.53	29.48	29.48	6.52	6.52	Pass	
HE40	MCS0	2	159	5795	242/62	2.22	-2.96	-3.95	0.05	29.48	29.48	6.52	6.52	Pass	
HE80	MCS0	2	155	5775	Full	2.22	-4.76	-5.14	-1.75	29.48	29.48	6.52	6.52	Pass	
HE80	MCS0	2	155	5775	484/65	2.22	-4.80	-5.33	-1.79	29.48	29.48	6.52	6.52	Pass	
HE80	MCS0	2	155	5775	484/66	2.22	-4.97	-5.33	-1.96	29.48	29.48	6.52	6.52	Pass	

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



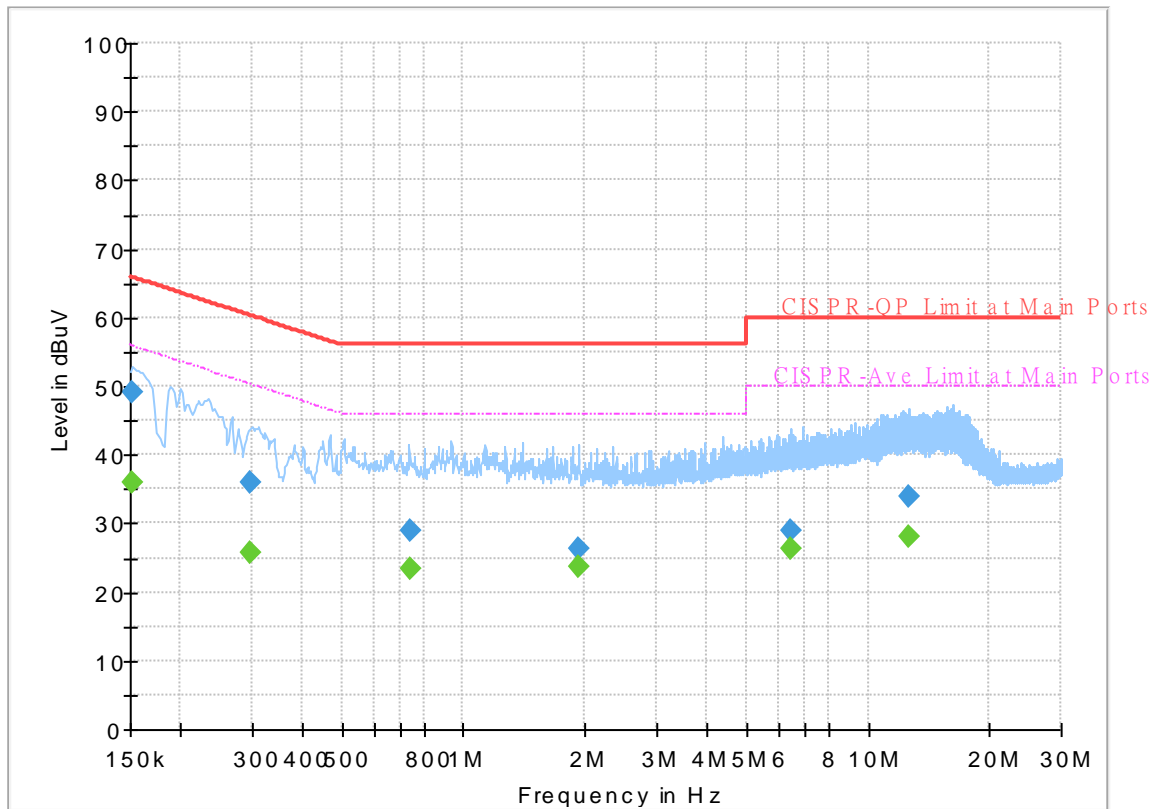
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	21~24°C
		Relative Humidity :	42~50%

EUT Information

Report NO : 041648
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



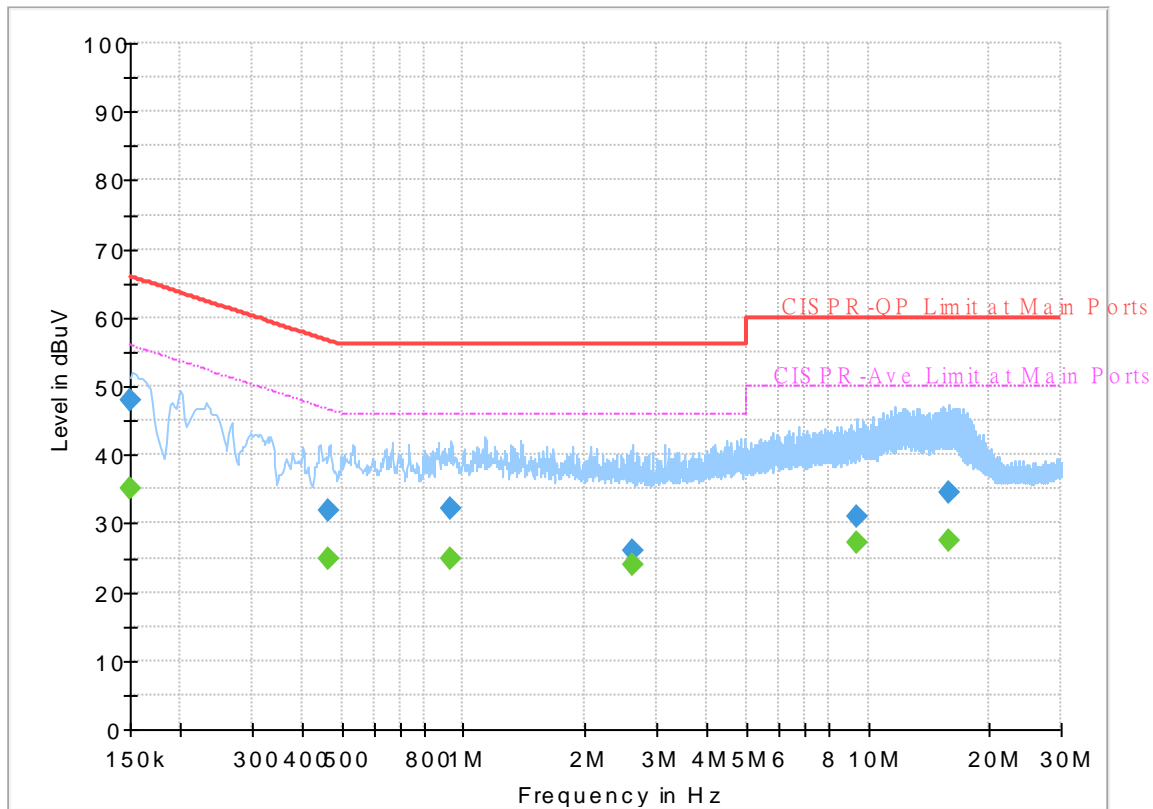
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152228	---	36.06	55.88	19.82	L1	OFF	19.6
0.152228	49.13	---	65.88	16.75	L1	OFF	19.6
0.297780	---	25.85	50.31	24.46	L1	OFF	19.6
0.297780	36.03	---	60.31	24.28	L1	OFF	19.6
0.737250	---	23.46	46.00	22.54	L1	OFF	19.6
0.737250	28.94	---	56.00	27.06	L1	OFF	19.6
1.927500	---	23.76	46.00	22.24	L1	OFF	19.6
1.927500	26.29	---	56.00	29.71	L1	OFF	19.6
6.461250	---	26.32	50.00	23.68	L1	OFF	19.9
6.461250	29.07	---	60.00	30.93	L1	OFF	19.9
12.663510	---	28.04	50.00	21.96	L1	OFF	20.2
12.663510	33.91	---	60.00	26.09	L1	OFF	20.2

EUT Information

Report NO : 041648
 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)
0.150675	---	35.07	55.96	20.89	N	OFF	19.6
0.150675	48.06	---	65.96	17.90	N	OFF	19.6
0.462750	---	24.83	46.64	21.81	N	OFF	19.6
0.462750	31.91	---	56.64	24.73	N	OFF	19.6
0.932730	---	24.79	46.00	21.21	N	OFF	19.6
0.932730	32.27	---	56.00	23.73	N	OFF	19.6
2.616180	---	23.83	46.00	22.17	N	OFF	19.7
2.616180	25.93	---	56.00	30.07	N	OFF	19.7
9.379770	---	27.18	50.00	22.82	N	OFF	20.1
9.379770	31.07	---	60.00	28.93	N	OFF	20.1
15.802980	---	27.49	50.00	22.51	N	OFF	20.2
15.802980	34.55	---	60.00	25.45	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (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		5608.6	52.86	-15.34	68.2	40.58	31.88	10.9	30.5	100	35	P	H	
		5684.4	53.6	-40.09	93.69	41.32	31.94	10.88	30.54	100	35	P	H	
		5720	52.13	-58.67	110.8	39.83	32	10.87	30.57	100	35	P	H	
		5725	52.25	-69.95	122.2	39.95	32	10.87	30.57	100	35	P	H	
	*	5745	110.76	-	-	98.48	32	10.86	30.58	100	35	P	H	
	*	5745	102.33	-	-	90.05	32	10.86	30.58	100	35	A	H	
														H
														H
			5624.2	52.03	-16.17	68.2	39.8	31.85	10.89	30.51	400	251	P	V
			5668.2	51.49	-30.22	81.71	39.27	31.87	10.88	30.53	400	251	P	V
			5717.6	51.74	-58.39	110.13	39.43	32	10.87	30.56	400	251	P	V
			5723.6	51.83	-67.18	119.01	39.53	32	10.87	30.57	400	251	P	V
	*		5745	107.2	-	-	94.92	32	10.86	30.58	400	251	P	V
	*		5745	98.72	-	-	86.44	32	10.86	30.58	400	251	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)
		5605	53.77	-14.43	68.2	41.48	31.89	10.9	30.5	100	36	P	H
		5689.8	53.51	-44.17	97.68	41.22	31.96	10.88	30.55	100	36	P	H
		5714	52.33	-56.79	109.12	40.02	32	10.87	30.56	100	36	P	H
		5724.4	51.85	-68.98	120.83	39.55	32	10.87	30.57	100	36	P	H
	*	5785	111.55	-	-	99.17	32.14	10.85	30.61	100	36	P	H
	*	5785	103.2	-	-	90.82	32.14	10.85	30.61	100	36	A	H
		5854.8	52.8	-58.46	111.26	40.24	32.22	10.99	30.65	100	36	P	H
		5858.8	53.33	-56.4	109.73	40.74	32.24	11	30.65	100	36	P	H
		5882.8	52.95	-46.46	99.41	40.23	32.33	11.06	30.67	100	36	P	H
		5948	53.73	-14.47	68.2	40.72	32.5	11.22	30.71	100	36	P	H
													H
													H
802.11a													
CH 157													
5785MHz		5608.2	53.44	-14.76	68.2	41.16	31.88	10.9	30.5	372	254	P	V
		5651.4	52.37	-16.87	69.24	40.19	31.81	10.89	30.52	372	254	P	V
		5717.2	52.06	-57.96	110.02	39.75	32	10.87	30.56	372	254	P	V
		5720.2	51.46	-59.8	111.26	39.16	32	10.87	30.57	372	254	P	V
	*	5785	108.61	-	-	96.23	32.14	10.85	30.61	372	254	P	V
	*	5785	99.56	-	-	87.18	32.14	10.85	30.61	372	254	A	V
		5855	51.66	-59.14	110.8	39.1	32.22	10.99	30.65	372	254	P	V
		5864.2	53.17	-55.05	108.22	40.56	32.26	11.01	30.66	372	254	P	V
		5922.6	53.09	-16.88	69.97	40.17	32.45	11.16	30.69	372	254	P	V
		5934.4	53.32	-14.88	68.2	40.36	32.47	11.19	30.7	372	254	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)	
802.11a CH 165 5825MHz	*	5825	111.54	-	-	99.06	32.2	10.91	30.63	100	35	P	H	
	*	5825	103.22	-	-	90.74	32.2	10.91	30.63	100	35	A	H	
		5853.6	53.86	-60.13	113.99	41.31	32.21	10.99	30.65	100	35	P	H	
		5870.4	53.74	-52.75	106.49	41.09	32.28	11.03	30.66	100	35	P	H	
		5913.8	53.28	-23.18	76.46	40.4	32.43	11.14	30.69	100	35	P	H	
		5926	54.14	-14.06	68.2	41.21	32.45	11.17	30.69	100	35	P	H	
														H
														H
	*	5825	106.74	-	-	94.26	32.2	10.91	30.63	400	258	P	V	
	*	5825	98.55	-	-	86.07	32.2	10.91	30.63	400	258	A	V	
		5854.2	52.26	-60.36	112.62	39.7	32.22	10.99	30.65	400	258	P	V	
		5863	53.06	-55.5	108.56	40.46	32.25	11.01	30.66	400	258	P	V	
		5921	53.53	-17.62	71.15	40.63	32.44	11.15	30.69	400	258	P	V	
		5940.4	53.94	-14.26	68.2	40.96	32.48	11.2	30.7	400	258	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	49.63	-24.37	74	55.2	40.48	14.85	60.9	100	0	P	H	
		17235	52.09	-16.11	68.2	51.3	40.94	18.67	58.82	100	0	P	H	
													H	
													H	
			11490	49.78	-24.22	74	55.35	40.48	14.85	60.9	100	0	P	V
			17235	51.81	-16.39	68.2	51.02	40.94	18.67	58.82	100	0	P	V
														V
802.11a CH 157 5785MHz		11570	49.34	-24.66	74	55.12	40.29	14.91	60.98	100	0	P	H	
		17355	52.6	-15.6	68.2	50.73	41.75	18.79	58.67	100	0	P	H	
													H	
													H	
			11570	49.34	-24.66	74	55.12	40.29	14.91	60.98	100	0	P	V
			17355	53.07	-15.13	68.2	51.2	41.75	18.79	58.67	100	0	P	V
														V
802.11a CH 165 5825MHz		11650	49.27	-24.73	74	55.54	39.85	14.96	61.08	100	0	P	H	
		17475	53.34	-14.86	68.2	50.51	42.5	18.86	58.53	100	0	P	H	
													H	
													H	
			11650	49.53	-24.47	74	55.8	39.85	14.96	61.08	100	0	P	V
			17475	53.15	-15.05	68.2	50.32	42.5	18.86	58.53	100	0	P	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) (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) CH 149 5745MHz		5601.6	52.96	-15.24	68.2	40.65	31.9	10.9	30.49	100	13	P	H	
		5668.6	52.97	-29.03	82	40.75	31.87	10.88	30.53	100	13	P	H	
		5719.6	54.24	-56.45	110.69	41.94	32	10.87	30.57	100	13	P	H	
		5721.6	57.44	-57.01	114.45	45.14	32	10.87	30.57	100	13	P	H	
	*	5745	112.39	-	-	100.11	32	10.86	30.58	100	13	P	H	
	*	5745	101.84	-	-	89.56	32	10.86	30.58	100	13	A	H	
														H
														H
			5622.2	52.26	-15.94	68.2	40.02	31.86	10.89	30.51	306	201	P	V
			5694.4	52.28	-48.79	101.07	39.97	31.98	10.88	30.55	306	201	P	V
			5718.8	52.58	-57.88	110.46	40.28	32	10.87	30.57	306	201	P	V
			5724.2	55.18	-65.2	120.38	42.88	32	10.87	30.57	306	201	P	V
	*		5745	108.83	-	-	96.55	32	10.86	30.58	306	201	P	V
	*		5745	97.91	-	-	85.63	32	10.86	30.58	306	201	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)
		5619.2	52.96	-15.24	68.2	40.71	31.86	10.89	30.5	100	11	P	H
		5663.8	52.85	-25.59	78.44	40.64	31.86	10.88	30.53	100	11	P	H
		5710.2	52.43	-55.63	108.06	40.12	32	10.87	30.56	100	11	P	H
		5723	52.28	-65.36	117.64	39.98	32	10.87	30.57	100	11	P	H
	*	5785	113.32	-	-	100.94	32.14	10.85	30.61	100	11	P	H
	*	5785	101.96	-	-	89.58	32.14	10.85	30.61	100	11	A	H
		5851	53.47	-66.45	119.92	40.94	32.2	10.98	30.65	100	11	P	H
		5861.4	52.78	-56.23	109.01	40.18	32.25	11	30.65	100	11	P	H
		5882	53.62	-46.38	100	40.9	32.33	11.06	30.67	100	11	P	H
		5925.6	53.13	-15.07	68.2	40.2	32.45	11.17	30.69	100	11	P	H
													H
													H
802.11ax (HE20)													
CH 157		5602.6	53.05	-15.15	68.2	40.75	31.89	10.9	30.49	327	142	P	V
5785MHz		5668.2	52.73	-28.98	81.71	40.51	31.87	10.88	30.53	327	142	P	V
		5713	52.2	-56.64	108.84	39.89	32	10.87	30.56	327	142	P	V
		5721.4	51.45	-62.54	113.99	39.15	32	10.87	30.57	327	142	P	V
	*	5785	110.23	-	-	97.85	32.14	10.85	30.61	327	142	P	V
	*	5785	96.13	-	-	83.75	32.14	10.85	30.61	327	142	A	V
		5854.2	51.46	-61.16	112.62	38.9	32.22	10.99	30.65	327	142	P	V
		5874	52.83	-52.65	105.48	40.15	32.3	11.04	30.66	327	142	P	V
		5920	53.12	-18.77	71.89	40.22	32.44	11.15	30.69	327	142	P	V
		5929	52.88	-15.32	68.2	39.95	32.46	11.17	30.7	327	142	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) CH 165 5825MHz	*	5825	112.92	-	-	100.44	32.2	10.91	30.63	100	11	P	H	
	*	5825	101.35	-	-	88.87	32.2	10.91	30.63	100	11	A	H	
		5850.8	55.45	-64.93	120.38	42.92	32.2	10.98	30.65	100	11	P	H	
		5863.6	53.44	-54.95	108.39	40.84	32.25	11.01	30.66	100	11	P	H	
		5904.6	53.2	-30.06	83.26	40.36	32.41	11.11	30.68	100	11	P	H	
		5930.8	53.02	-15.18	68.2	40.08	32.46	11.18	30.7	100	11	P	H	
														H
														H
	*	5825	109.97	-	-	97.49	32.2	10.91	30.63	348	199	P	V	
	*	5825	98.68	-	-	86.2	32.2	10.91	30.63	348	199	A	V	
		5850	53.6	-68.6	122.2	41.07	32.2	10.98	30.65	348	199	P	V	
		5873.6	52.33	-53.26	105.59	39.66	32.29	11.04	30.66	348	199	P	V	
		5912.6	54.18	-23.17	77.35	41.31	32.43	11.13	30.69	348	199	P	V	
		5947.6	53.81	-14.39	68.2	40.8	32.5	11.22	30.71	348	199	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) (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) CH 149 5745MHz		11490	49.39	-24.61	74	54.96	40.48	14.85	60.9	100	0	P	H
		17235	51.78	-16.42	68.2	50.99	40.94	18.67	58.82	100	0	P	H
													H
													H
		11490	49.56	-24.44	74	55.13	40.48	14.85	60.9	100	0	P	V
		17235	52.24	-15.96	68.2	51.45	40.94	18.67	58.82	100	0	P	V
802.11ax (HE20) CH 157 5785MHz		11570	49.75	-24.25	74	55.53	40.29	14.91	60.98	100	0	P	H
		17355	53.41	-14.79	68.2	51.54	41.75	18.79	58.67	100	0	P	H
													H
													H
		11570	49.81	-24.19	74	55.59	40.29	14.91	60.98	100	0	P	V
		17355	53.48	-14.72	68.2	51.61	41.75	18.79	58.67	100	0	P	V
802.11ax (HE20) CH 165 5825MHz		11650	49.64	-24.36	74	55.91	39.85	14.96	61.08	100	0	P	H
		17475	53.48	-14.72	68.2	50.65	42.5	18.86	58.53	100	0	P	H
													H
													H
		11650	48.83	-25.17	74	55.1	39.85	14.96	61.08	100	0	P	V
		17475	53.03	-15.17	68.2	50.2	42.5	18.86	58.53	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802. 11ax(HE40) (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)
		5630.8	53.06	-15.14	68.2	40.84	31.84	10.89	30.51	100	15	P	H
		5689.2	52.31	-44.93	97.24	40.02	31.96	10.88	30.55	100	15	P	H
		5718.6	62.53	-47.88	110.41	50.23	32	10.87	30.57	100	15	P	H
		5725	63.69	-58.51	122.2	51.39	32	10.87	30.57	100	15	P	H
	*	5755	109.8	-	-	97.51	32.02	10.86	30.59	100	15	P	H
	*	5755	98.65	-	-	86.36	32.02	10.86	30.59	100	15	A	H
		5853.8	52.11	-61.43	113.54	39.55	32.22	10.99	30.65	100	15	P	H
		5872.2	52.78	-53.2	105.98	40.12	32.29	11.03	30.66	100	15	P	H
		5883.2	53.91	-45.2	99.11	41.19	32.33	11.06	30.67	100	15	P	H
		5937.2	54.42	-13.78	68.2	41.46	32.47	11.19	30.7	100	15	P	H
802.11ax (HE40)													H
CH 151 5755MHz													H
		5648.4	51.72	-16.48	68.2	39.55	31.8	10.89	30.52	358	187	P	V
		5657.8	51.63	-22.36	73.99	39.45	31.83	10.88	30.53	358	187	P	V
		5720	53.3	-57.5	110.8	41	32	10.87	30.57	358	187	P	V
		5724.8	58.02	-63.72	121.74	45.72	32	10.87	30.57	358	187	P	V
	*	5755	105.62	-	-	93.33	32.02	10.86	30.59	358	187	P	V
	*	5755	95.1	-	-	82.81	32.02	10.86	30.59	358	187	A	V
		5854.4	50.46	-61.71	112.17	37.9	32.22	10.99	30.65	358	187	P	V
		5867	52.1	-55.34	107.44	39.47	32.27	11.02	30.66	358	187	P	V
		5890.4	52.07	-41.7	93.77	39.3	32.36	11.08	30.67	358	187	P	V
		5941	52.31	-15.89	68.2	39.33	32.48	11.2	30.7	358	187	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)
		5624.2	53.99	-14.21	68.2	41.76	31.85	10.89	30.51	100	14	P	H
		5682.8	52.82	-39.69	92.51	40.55	31.93	10.88	30.54	100	14	P	H
		5714	52.9	-56.22	109.12	40.59	32	10.87	30.56	100	14	P	H
		5723.8	51.76	-67.7	119.46	39.46	32	10.87	30.57	100	14	P	H
	*	5795	110.25	-	-	97.83	32.18	10.85	30.61	100	14	P	H
	*	5795	99.25	-	-	86.83	32.18	10.85	30.61	100	14	A	H
		5850.4	53.74	-67.55	121.29	41.21	32.2	10.98	30.65	100	14	P	H
		5871.8	52.63	-53.46	106.09	39.97	32.29	11.03	30.66	100	14	P	H
		5895.6	53.4	-36.52	89.92	40.61	32.38	11.09	30.68	100	14	P	H
		5941.2	53.32	-14.88	68.2	40.34	32.48	11.2	30.7	100	14	P	H
802.11ax (HE40)													H
802.11ax (HE40)													H
CH 159		5621.4	53.12	-15.08	68.2	40.88	31.86	10.89	30.51	332	143	P	V
5795MHz		5679.4	52.29	-37.71	90	40.03	31.92	10.88	30.54	332	143	P	V
		5707	52.16	-55	107.16	39.85	32	10.87	30.56	332	143	P	V
		5721.4	52.8	-61.19	113.99	40.5	32	10.87	30.57	332	143	P	V
	*	5795	105.94	-	-	93.52	32.18	10.85	30.61	332	143	P	V
	*	5795	96.06	-	-	83.64	32.18	10.85	30.61	332	143	A	V
		5850.6	52.66	-68.17	120.83	40.13	32.2	10.98	30.65	332	143	P	V
		5869.8	52.75	-53.9	106.65	40.1	32.28	11.03	30.66	332	143	P	V
		5900.6	52.8	-33.42	86.22	39.98	32.4	11.1	30.68	332	143	P	V
		5941.4	53.57	-14.63	68.2	40.58	32.48	11.21	30.7	332	143	P	V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 												



Band 4 5725~5850MHz
WIFI 802.11ax(HE40) (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) CH 151 5755MHz		11510	49.83	-24.17	74	55.41	40.47	14.86	60.91	100	0	P	H
		17265	52.16	-16.04	68.2	51.18	41.06	18.7	58.78	100	0	P	H
													H
													H
		11510	49.73	-24.27	74	55.31	40.47	14.86	60.91	100	0	P	V
		17265	50.92	-17.28	68.2	49.94	41.06	18.7	58.78	100	0	P	V
													V
													V
802.11ax (HE40) CH 159 5795MHz		11590	49.96	-24.04	74	55.82	40.23	14.92	61.01	100	0	P	H
		17385	53.43	-14.77	68.2	51.22	42.05	18.8	58.64	100	0	P	H
													H
													H
		11590	49.76	-24.24	74	55.62	40.23	14.92	61.01	100	0	P	V
		17385	53.05	-15.15	68.2	50.84	42.05	18.8	58.64	100	0	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) (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)
		5631.4	52.89	-15.31	68.2	40.67	31.84	10.89	30.51	100	15	P	H
		5700	55.15	-50.05	105.2	42.83	32	10.87	30.55	100	15	P	H
		5718	59.83	-50.41	110.24	47.53	32	10.87	30.57	100	15	P	H
		5724.4	60.11	-60.72	120.83	47.81	32	10.87	30.57	100	15	P	H
	*	5775	106.91	-	-	94.55	32.1	10.86	30.6	100	15	P	H
	*	5775	95.58	-	-	83.22	32.1	10.86	30.6	100	15	A	H
		5852.4	57.66	-59.07	116.73	45.12	32.21	10.98	30.65	100	15	P	H
		5858.2	56.81	-53.09	109.9	44.23	32.23	11	30.65	100	15	P	H
		5879.8	54.37	-47.26	101.63	41.67	32.32	11.05	30.67	100	15	P	H
		5933.4	53.29	-14.91	68.2	40.33	32.47	11.19	30.7	100	15	P	H
802.11ax (HE80)													H
CH 155 5775MHz													H
		5627.6	52.85	-15.35	68.2	40.63	31.84	10.89	30.51	333	144	P	V
		5693.2	52.92	-47.27	100.19	40.62	31.97	10.88	30.55	333	144	P	V
		5714.8	56.16	-53.19	109.35	43.85	32	10.87	30.56	333	144	P	V
		5724.4	55.84	-64.99	120.83	43.54	32	10.87	30.57	333	144	P	V
	*	5775	104.16	-	-	91.8	32.1	10.86	30.6	333	144	P	V
	*	5775	92.82	-	-	80.46	32.1	10.86	30.6	333	144	A	V
		5850	53.22	-68.98	122.2	40.69	32.2	10.98	30.65	333	144	P	V
		5857.2	53.77	-56.41	110.18	41.2	32.23	10.99	30.65	333	144	P	V
		5889	52.7	-42.11	94.81	39.94	32.36	11.07	30.67	333	144	P	V
		5945.2	54.33	-13.87	68.2	41.34	32.49	11.21	30.71	333	144	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) (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) CH 155 5775MHz		11550	50	-24	74	55.71	40.35	14.9	60.96	100	0	P	H	
		17325	53.41	-14.79	68.2	51.9	41.45	18.77	58.71	100	0	P	H	
													H	
													H	
			11550	49.93	-24.07	74	55.64	40.35	14.9	60.96	100	0	P	V
			17325	53.35	-14.85	68.2	51.84	41.45	18.77	58.71	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz
5GHz 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)	
5GHz 802.11a LF		30.97	19.38	-20.62	40	29.2	21.85	0.66	32.33	-	-	P	H	
		78.5	26.21	-13.79	40	44.09	13.48	1.17	32.53	-	-	P	H	
		160.95	24.07	-19.43	43.5	38.1	16.62	1.77	32.42	-	-	P	H	
		195.87	26.92	-16.58	43.5	42.28	15.07	1.95	32.38	-	-	P	H	
		563.5	26.96	-19.04	46	30.17	25.88	3.29	32.38	-	-	P	H	
		914.64	36.66	-9.34	46	35.2	28.87	4.32	31.73	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			37.76	23.27	-16.73	40	34.37	20.51	0.73	32.34	-	-	P	V
			78.5	31.28	-8.72	40	49.16	13.48	1.17	32.53	-	-	P	V
			97.9	23.18	-20.32	43.5	38.27	15.91	1.28	32.28	-	-	P	V
			169.68	20.51	-22.99	43.5	35.21	15.88	1.82	32.4	-	-	P	V
			193.93	23.63	-19.87	43.5	39.01	15.05	1.95	32.38	-	-	P	V
			910.76	38.84	-7.16	46	37.61	28.71	4.31	31.79	100	0	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Partially Loaded RUs>

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (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)	
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5619.8	52.58	-15.62	68.2	40.33	31.86	10.89	30.5	100	7	P	H	
		5690	51.68	-46.15	97.83	39.39	31.96	10.88	30.55	100	7	P	H	
		5715	52.62	-56.78	109.4	40.31	32	10.87	30.56	100	7	P	H	
		5724.2	55.51	-64.87	120.38	43.21	32	10.87	30.57	100	7	P	H	
	*	5745	111.52	-	-	99.24	32	10.86	30.58	100	7	P	H	
	*	5745	102.86	-	-	90.58	32	10.86	30.58	100	7	A	H	
														H
														H
			5634.4	52.24	-15.96	68.2	40.03	31.83	10.89	30.51	353	140	P	V
			5692.2	51.4	-48.05	99.45	39.1	31.97	10.88	30.55	353	140	P	V
			5704.8	51.9	-54.65	106.55	39.59	32	10.87	30.56	353	140	P	V
			5724.8	53.94	-67.8	121.74	41.64	32	10.87	30.57	353	140	P	V
	*		5745	108.55	-	-	96.27	32	10.86	30.58	353	140	P	V
	*		5745	99.03	-	-	86.75	32	10.86	30.58	353	140	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)
		5619.8	52.95	-15.25	68.2	40.7	31.86	10.89	30.5	100	9	P	H
		5693.8	51.95	-48.68	100.63	39.64	31.98	10.88	30.55	100	9	P	H
		5700.2	52.42	-52.84	105.26	40.1	32	10.87	30.55	100	9	P	H
		5724.4	51.41	-69.42	120.83	39.11	32	10.87	30.57	100	9	P	H
	*	5785	110	-	-	97.62	32.14	10.85	30.61	100	9	P	H
	*	5785	101.03	-	-	88.65	32.14	10.85	30.61	100	9	A	H
		5850.6	51.33	-69.5	120.83	38.8	32.2	10.98	30.65	100	9	P	H
		5860.2	52.32	-57.02	109.34	39.73	32.24	11	30.65	100	9	P	H
		5918.4	52.05	-21.02	73.07	39.15	32.44	11.15	30.69	100	9	P	H
		5936.4	53.13	-15.07	68.2	40.17	32.47	11.19	30.7	100	9	P	H
802.11ax													H
HE20													H
Partial 26/4													
CH 157		5606.8	52.58	-15.62	68.2	40.29	31.89	10.9	30.5	329	141	P	V
5785MHz		5668.6	52.86	-29.14	82	40.64	31.87	10.88	30.53	329	141	P	V
		5711.6	51.76	-56.69	108.45	39.45	32	10.87	30.56	329	141	P	V
		5720.2	51.53	-59.73	111.26	39.23	32	10.87	30.57	329	141	P	V
	*	5785	107.13	-	-	94.75	32.14	10.85	30.61	329	141	P	V
	*	5785	97.72	-	-	85.34	32.14	10.85	30.61	329	141	A	V
		5854	51.02	-62.06	113.08	38.46	32.22	10.99	30.65	329	141	P	V
		5865.6	51.52	-56.31	107.83	38.9	32.26	11.02	30.66	329	141	P	V
		5919.6	53.07	-19.11	72.18	40.17	32.44	11.15	30.69	329	141	P	V
		5939.8	53.51	-14.69	68.2	40.53	32.48	11.2	30.7	329	141	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 Partial 26/8 CH 165 5825MHz	*	5825	113.52	-	-	101.04	32.2	10.91	30.63	100	8	P	H	
	*	5825	102.73	-	-	90.25	32.2	10.91	30.63	100	8	A	H	
		5851.4	52.53	-66.48	119.01	39.99	32.21	10.98	30.65	100	8	P	H	
		5871.8	52.9	-53.19	106.09	40.24	32.29	11.03	30.66	100	8	P	H	
		5885.6	52.5	-44.83	97.33	39.76	32.34	11.07	30.67	100	8	P	H	
		5945.8	52.91	-15.29	68.2	39.91	32.49	11.22	30.71	100	8	P	H	
														H
														H
	*	5825	110.81	-	-	98.33	32.2	10.91	30.63	329	196	P	V	
	*	5825	99.97	-	-	87.49	32.2	10.91	30.63	329	196	A	V	
		5854.4	52.02	-60.15	112.17	39.46	32.22	10.99	30.65	329	196	P	V	
		5859.8	52.35	-57.1	109.45	39.76	32.24	11	30.65	329	196	P	V	
		5888.2	52.58	-42.82	95.4	39.83	32.35	11.07	30.67	329	196	P	V	
		5932.2	53.62	-14.58	68.2	40.68	32.46	11.18	30.7	329	196	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5640.4	51.93	-16.27	68.2	39.74	31.82	10.89	30.52	100	9	P	H	
		5696.2	52.09	-50.31	102.4	39.79	31.98	10.87	30.55	100	9	P	H	
		5720	55.75	-55.05	110.8	43.45	32	10.87	30.57	100	9	P	H	
		5725	61.79	-60.41	122.2	49.49	32	10.87	30.57	100	9	P	H	
	*	5745	114.15	-	-	101.87	32	10.86	30.58	100	9	P	H	
	*	5745	103.37	-	-	91.09	32	10.86	30.58	100	9	A	H	
														H
														H
			5607	52.11	-16.09	68.2	39.82	31.89	10.9	30.5	355	140	P	V
			5665	52.16	-27.17	79.33	39.95	31.86	10.88	30.53	355	140	P	V
			5719	54.09	-56.43	110.52	41.79	32	10.87	30.57	355	140	P	V
			5724.2	58.12	-62.26	120.38	45.82	32	10.87	30.57	355	140	P	V
		*	5745	109.72	-	-	97.44	32	10.86	30.58	355	140	P	V
		*	5745	98.97	-	-	86.69	32	10.86	30.58	355	140	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 52/40 CH 165 5825MHz	*	5825	112.8	-	-	100.32	32.2	10.91	30.63	100	8	P	H	
	*	5825	102.65	-	-	90.17	32.2	10.91	30.63	100	8	A	H	
		5851	53.32	-66.6	119.92	40.79	32.2	10.98	30.65	100	8	P	H	
		5868	52.14	-55.02	107.16	39.51	32.27	11.02	30.66	100	8	P	H	
		5889.6	53.23	-41.13	94.36	40.46	32.36	11.08	30.67	100	8	P	H	
		5946.8	53	-15.2	68.2	40	32.49	11.22	30.71	100	8	P	H	
														H
														H
	*	5825	109.98	-	-	97.5	32.2	10.91	30.63	328	197	P	V	
	*	5825	99.72	-	-	87.24	32.2	10.91	30.63	328	197	A	V	
		5850.6	51.05	-69.78	120.83	38.52	32.2	10.98	30.65	328	197	P	V	
		5862.6	51.5	-57.17	108.67	38.89	32.25	11.01	30.65	328	197	P	V	
		5921.6	52.75	-17.96	70.71	39.84	32.44	11.16	30.69	328	197	P	V	
		5945.6	52.37	-15.83	68.2	39.37	32.49	11.22	30.71	328	197	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5642.2	52.47	-15.73	68.2	40.28	31.82	10.89	30.52	100	8	P	H	
		5698	52.38	-51.35	103.73	40.07	31.99	10.87	30.55	100	8	P	H	
		5719.2	58.38	-52.2	110.58	46.08	32	10.87	30.57	100	8	P	H	
		5724.6	66.69	-54.6	121.29	54.39	32	10.87	30.57	100	8	P	H	
	*	5745	113.75	-	-	101.47	32	10.86	30.58	100	8	P	H	
	*	5745	102.8	-	-	90.52	32	10.86	30.58	100	8	A	H	
														H
														H
			5600	52.44	-15.76	68.2	40.13	31.9	10.9	30.49	369	143	P	V
			5656.2	51.82	-20.99	72.81	39.65	31.82	10.88	30.53	369	143	P	V
			5718.4	54.7	-55.65	110.35	42.4	32	10.87	30.57	369	143	P	V
			5723.8	62.82	-56.64	119.46	50.52	32	10.87	30.57	369	143	P	V
		*	5745	109.37	-	-	97.09	32	10.86	30.58	369	143	P	V
		*	5745	98.85	-	-	86.57	32	10.86	30.58	369	143	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 106/54 CH 165 5825MHz	*	5825	112.92	-	-	100.44	32.2	10.91	30.63	100	8	P	H	
	*	5825	101.81	-	-	89.33	32.2	10.91	30.63	100	8	A	H	
		5850.6	52.26	-68.57	120.83	39.73	32.2	10.98	30.65	100	8	P	H	
		5862.8	52.11	-56.5	108.61	39.5	32.25	11.01	30.65	100	8	P	H	
		5883	53.07	-46.19	99.26	40.35	32.33	11.06	30.67	100	8	P	H	
		5949.6	52.59	-15.61	68.2	39.57	32.5	11.23	30.71	100	8	P	H	
														H
														H
	*	5825	108.93	-	-	96.45	32.2	10.91	30.63	328	196	P	V	
	*	5825	98.89	-	-	86.41	32.2	10.91	30.63	328	196	A	V	
		5853.4	51.84	-62.61	114.45	39.3	32.21	10.98	30.65	328	196	P	V	
		5866.6	52.38	-55.17	107.55	39.75	32.27	11.02	30.66	328	196	P	V	
		5888.2	52.93	-42.47	95.4	40.18	32.35	11.07	30.67	328	196	P	V	
		5926.6	52.62	-15.58	68.2	39.69	32.45	11.17	30.69	328	196	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 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Partial 262/61 CH 151 5755MHz		5632.6	52.59	-15.61	68.2	40.38	31.83	10.89	30.51	100	13	P	H	
		5700	61.04	-44.16	105.2	48.72	32	10.87	30.55	100	13	P	H	
		5718.4	73.31	-37.04	110.35	61.01	32	10.87	30.57	100	13	P	H	
		5720.2	76.33	-34.93	111.26	64.03	32	10.87	30.57	100	13	P	H	
	*	5755	110.52	-	-	98.23	32.02	10.86	30.59	100	13	P	H	
	*	5755	100.04	-	-	87.75	32.02	10.86	30.59	100	13	A	H	
		5851.4	50.93	-68.08	119.01	38.39	32.21	10.98	30.65	100	13	P	H	
		5862.8	51.8	-56.81	108.61	39.19	32.25	11.01	30.65	100	13	P	H	
		5908.8	52.69	-27.46	80.15	39.83	32.42	11.12	30.68	100	13	P	H	
		5929.2	54.02	-14.18	68.2	41.09	32.46	11.17	30.7	100	13	P	H	
														H
														H
			5624.2	52.51	-15.69	68.2	40.28	31.85	10.89	30.51	300	143	P	V
			5699.2	57.88	-46.73	104.61	45.56	32	10.87	30.55	300	143	P	V
			5718.6	72.35	-38.06	110.41	60.05	32	10.87	30.57	300	143	P	V
			5723.8	73.49	-45.97	119.46	61.19	32	10.87	30.57	300	143	P	V
	*		5755	107.11	-	-	94.82	32.02	10.86	30.59	300	143	P	V
	*		5755	96.42	-	-	84.13	32.02	10.86	30.59	300	143	A	V
			5852	51.38	-66.26	117.64	38.84	32.21	10.98	30.65	300	143	P	V
			5869	52.14	-54.74	106.88	39.5	32.28	11.02	30.66	300	143	P	V
		5880.4	52.63	-48.56	101.19	39.93	32.32	11.05	30.67	300	143	P	V	
		5943.4	53.32	-14.88	68.2	40.32	32.49	11.21	30.7	300	143	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)
		5627.8	52.22	-15.98	68.2	40	31.84	10.89	30.51	100	9	P	H
		5698	54.22	-49.51	103.73	41.91	31.99	10.87	30.55	100	9	P	H
		5720	52.53	-58.27	110.8	40.23	32	10.87	30.57	100	9	P	H
		5724.8	53.86	-67.88	121.74	41.56	32	10.87	30.57	100	9	P	H
	*	5795	110.44	-	-	98.02	32.18	10.85	30.61	100	9	P	H
	*	5795	99.91	-	-	87.49	32.18	10.85	30.61	100	9	A	H
		5850	55.63	-66.57	122.2	43.1	32.2	10.98	30.65	100	9	P	H
		5859.8	56.6	-52.85	109.45	44.01	32.24	11	30.65	100	9	P	H
		5903.2	52.85	-31.44	84.29	40.01	32.41	11.11	30.68	100	9	P	H
		5940.4	53.43	-14.77	68.2	40.45	32.48	11.2	30.7	100	9	P	H
802.11ax													H
HE40													H
Partial													H
262/62		5645.8	52	-16.2	68.2	39.82	31.81	10.89	30.52	351	195	P	V
CH 159		5692.4	52.11	-47.49	99.6	39.81	31.97	10.88	30.55	351	195	P	V
5795MHz		5717	51.36	-58.6	109.96	39.05	32	10.87	30.56	351	195	P	V
		5723.4	51.09	-67.46	118.55	38.79	32	10.87	30.57	351	195	P	V
	*	5795	107.09	-	-	94.67	32.18	10.85	30.61	351	195	P	V
	*	5795	96.49	-	-	84.07	32.18	10.85	30.61	351	195	A	V
		5855	52.03	-58.77	110.8	39.47	32.22	10.99	30.65	351	195	P	V
		5861.6	53.94	-55.01	108.95	41.33	32.25	11.01	30.65	351	195	P	V
		5878.4	52.74	-49.93	102.67	40.04	32.31	11.05	30.66	351	195	P	V
		5949.4	52.47	-15.73	68.2	39.45	32.5	11.23	30.71	351	195	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11ax HE80_Partial 484 (Band Edge @ 3m)

WIFI Ant. 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		5613.2	52.97	-15.23	68.2	40.71	31.87	10.89	30.5	100	29	P	H	
		5685.4	70.11	-24.32	94.43	57.83	31.94	10.88	30.54	100	29	P	H	
		5719	72	-38.52	110.52	59.7	32	10.87	30.57	100	29	P	H	
		5721.6	74.2	-40.25	114.45	61.9	32	10.87	30.57	100	29	P	H	
	*	5775	106.45	-	-	94.09	32.1	10.86	30.6	100	29	P	H	
	*	5775	96.01	-	-	83.65	32.1	10.86	30.6	100	29	A	H	
		5851.6	70.18	-48.37	118.55	57.64	32.21	10.98	30.65	100	29	P	H	
		5862	69.41	-39.43	108.84	56.8	32.25	11.01	30.65	100	29	P	H	
		5877.2	58.2	-45.37	103.57	45.51	32.31	11.04	30.66	100	29	P	H	
		5930.8	53.09	-15.11	68.2	40.15	32.46	11.18	30.7	100	29	P	H	
														H
														H
			5644.4	52.06	-16.14	68.2	39.88	31.81	10.89	30.52	300	142	P	V
			5686	67.21	-27.66	94.87	54.94	31.94	10.88	30.55	300	142	P	V
			5717.6	67.11	-43.02	110.13	54.8	32	10.87	30.56	300	142	P	V
			5723.8	70.32	-49.14	119.46	58.02	32	10.87	30.57	300	142	P	V
	*		5775	104.37	-	-	92.01	32.1	10.86	30.6	300	142	P	V
	*		5775	93.19	-	-	80.83	32.1	10.86	30.6	300	142	A	V
			5850.4	64.03	-57.26	121.29	51.5	32.2	10.98	30.65	300	142	P	V
			5863.6	63.99	-44.4	108.39	51.39	32.25	11.01	30.66	300	142	P	V
		5875.6	55.21	-49.54	104.75	42.53	32.3	11.04	30.66	300	142	P	V	
		5933	52.62	-15.58	68.2	39.67	32.47	11.18	30.7	300	142	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)	
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5623.2	52.78	-15.42	68.2	40.55	31.85	10.89	30.51	100	38	P	H	
		5685.4	71.58	-22.85	94.43	59.3	31.94	10.88	30.54	100	38	P	H	
		5719.4	73.26	-37.37	110.63	60.96	32	10.87	30.57	100	38	P	H	
		5724.8	74.21	-47.53	121.74	61.91	32	10.87	30.57	100	38	P	H	
	*	5775	108.43	-	-	96.07	32.1	10.86	30.6	100	38	P	H	
	*	5775	97.8	-	-	85.44	32.1	10.86	30.6	100	38	A	H	
		5850.6	70.62	-50.21	120.83	58.09	32.2	10.98	30.65	100	38	P	H	
		5860.6	70.21	-39.02	109.23	57.62	32.24	11	30.65	100	38	P	H	
		5877.4	59.11	-44.31	103.42	46.42	32.31	11.04	30.66	100	38	P	H	
		5927.6	53.71	-14.49	68.2	40.78	32.46	11.17	30.7	100	38	P	H	
														H
														H
			5636.6	53.96	-14.24	68.2	41.75	31.83	10.89	30.51	318	206	P	V
			5686.4	66.7	-28.47	95.17	54.42	31.95	10.88	30.55	318	206	P	V
			5717.8	67.63	-42.55	110.18	55.33	32	10.87	30.57	318	206	P	V
			5722	68.16	-47.2	115.36	55.86	32	10.87	30.57	318	206	P	V
	*		5775	104.83	-	-	92.47	32.1	10.86	30.6	318	206	P	V
	*		5775	93.53	-	-	81.17	32.1	10.86	30.6	318	206	A	V
			5853	65.37	-49.99	115.36	52.83	32.21	10.98	30.65	318	206	P	V
			5855.6	65.51	-45.12	110.63	52.95	32.22	10.99	30.65	318	206	P	V
		5877.6	54.68	-48.59	103.27	41.98	32.31	11.05	30.66	318	206	P	V	
		5947.8	53.52	-14.68	68.2	40.51	32.5	11.22	30.71	318	206	P	V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 													



Note symbol

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



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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

Note symbol

-L	Low channel location
-R	High channel location



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

Table with 2 columns: Horizontal and Fundamental. It contains two spectral plots showing Level (dBuV/m) vs Frequency (MHz) with associated test parameters like Site, Condition, Detector, and Project.



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2020.07.09 PEAK: 135.0</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020.07.09 PEAK: 135.0</p> <p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>

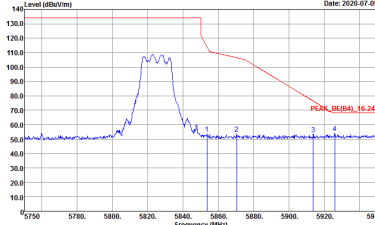
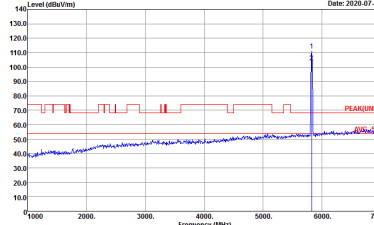


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	Left blank

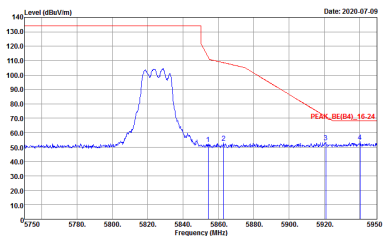
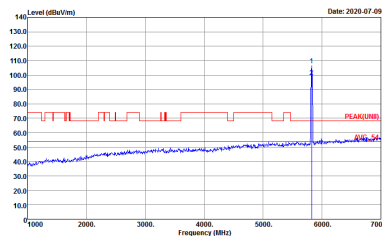


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



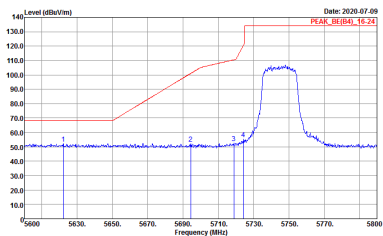
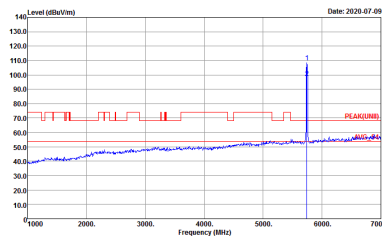
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-09</p> <p>Site : 03CH15-HY Condition : PEAK_8E(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-07-09</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



Band 4 5725~5850MHz
WIFI 802. 11ax(HE20) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-09 PEAK_BE(84)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-07-09 PEAK_UNI(1)</p> <p>Site : 03CH15-HY Condition : PEAK_UNI(1) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>

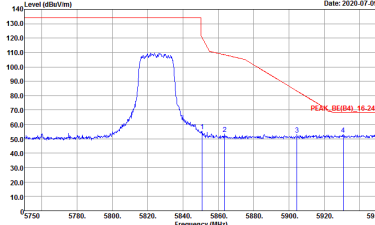
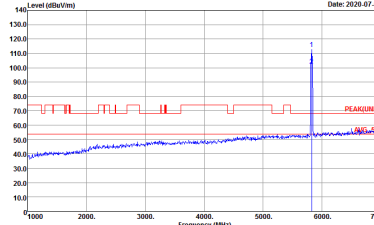


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p> Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648 </p>	<p> Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648 </p>
Peak	<p> Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648 </p>	Left blank

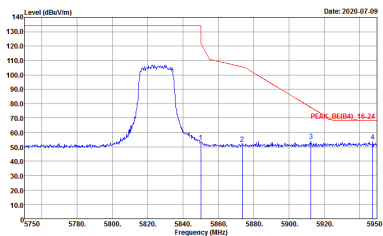
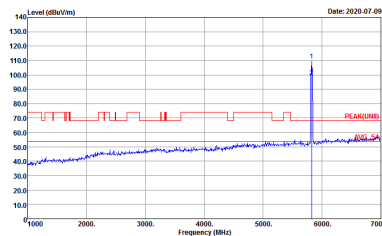


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	Left blank



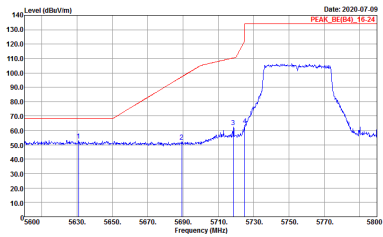
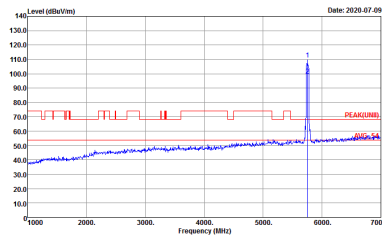
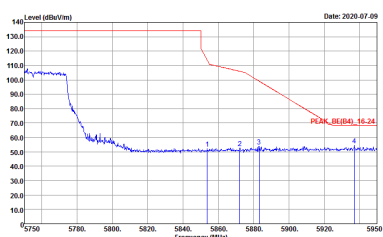
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Date: 2020.07.09</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020.07.09</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE20) CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-07-09</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



**Band 4 5725~5850MHz
WIFI 802. 11ax(HE40) (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE40) CH151 5755MHz	
0+1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	<p align="center">Left blank</p>

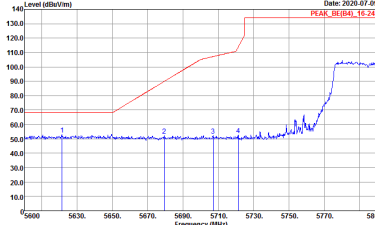
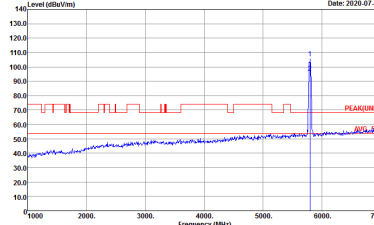
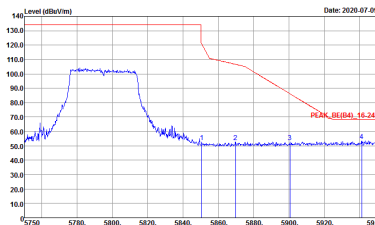


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE40) CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK_UNI(84)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	Left blank



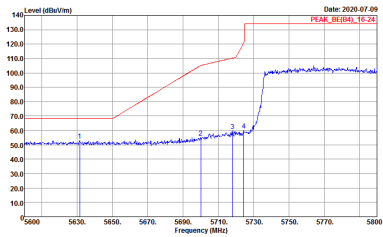
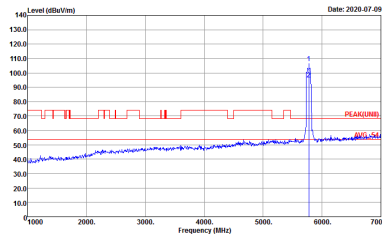
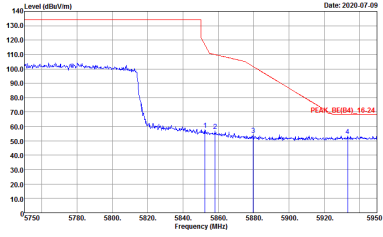
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE40) CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Date: 2020-07-09 PEAK_BE(84)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020-07-09 PEAK_BE(84)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	<p>Date: 2020-07-09 PEAK_BE(84)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE40) CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-09 PEAK_BE(84)_15-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-07-09 PEAK(UNII)_3m 91200_15_1620 VERTICAL</p> <p>Site : 03CH15-HY Condition : PEAK(UNII)_3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	 <p>Date: 2020-07-09 PEAK_BE(84)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



Band 4 5725~5850MHz
WIFI 802. 11ax(HE80) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE80) CH155 5775MHz	
0+1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	<p align="center">Left blank</p>



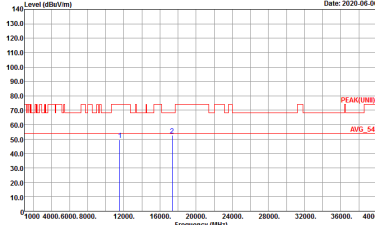
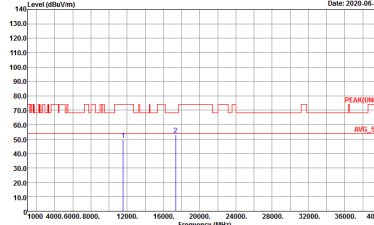
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802. 11ax(HE80) CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>	Left blank



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

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBuV/m) vs Frequency (MHz) with Peak and Avg. markers. Includes site and condition details for both orientations.



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>



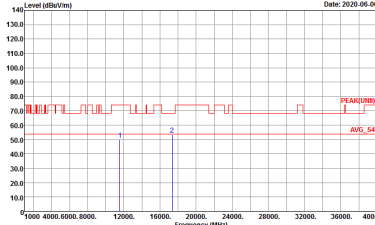
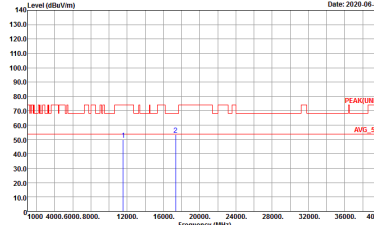
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>



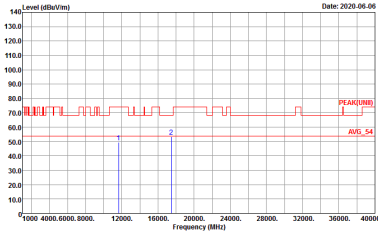
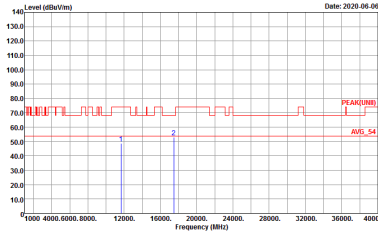
**Band 4 5725~5850MHz
WIFI 802. 11ax(HE20) (Harmonic @ 3m)**

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802. 11ax(HE20) CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802. 11ax(HE20) CH157 5785MHz	
0+1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>



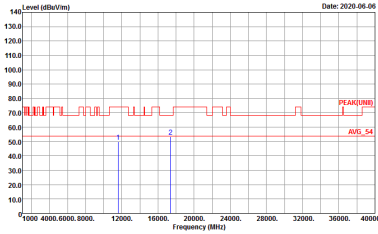
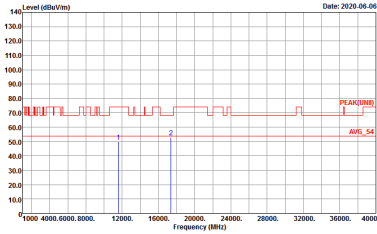
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802. 11ax(HE20) CH165 5825MHz	
0+1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>



Band 4 5725~5850MHz
WIFI 802. 11ax(HE40) (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBuV/m) vs Frequency (MHz) with Peak and Avg markers. Includes site and condition details for both orientations.



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>

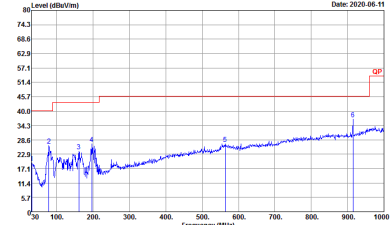
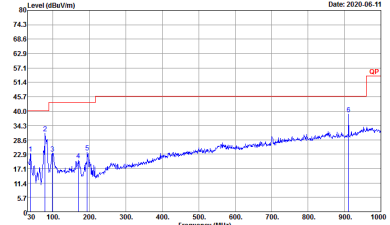


**Band 4 5725~5850MHz
WIFI 802. 11ax(HE80) (Harmonic @ 3m)**

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802. 11ax(HE80) CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 041648</p>



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

WIFI	5GHz 5725~5850MHz	
ANT	802.11a LF	
0+1	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH15-FY Condition : QP 3m BTL0G_15_41912 HORIZONTAL Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-FY Condition : QP 3m BTL0G_15_41912 VERTICAL Detector : Peak Project : 041648</p>



<Partially Loaded RUs>

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-MY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>	<p>Site : 03CH15-MY Condition : PEAK(LUNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
0+1	Horizontal	Fundamental
<p>Peak</p>	<p>Date: 2020-06-10 PEAK_BE(B4)_15-20</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020-06-10 PEAK(B4)_15-20</p> <p>Site : 03CH15-HY Condition : PEAK(UNI1) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	<p>Date: 2020-06-10 PEAK_BE(B4)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
0+1	Vertical	Fundamental
<p>Peak</p>	<p>Date: 2020-06-10 PEAK_BE(B4)_15-20</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020-06-10 PEAK(B4)_20(B4)</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	<p>Date: 2020-06-10 PEAK_BE(B4)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAKUNB 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAKUNB 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



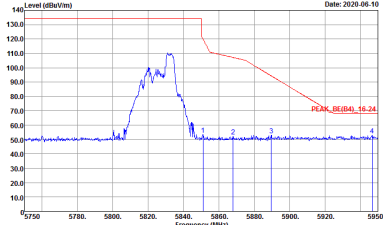
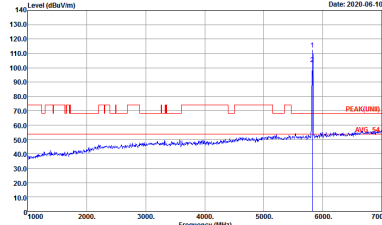
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

Table with 2 columns: WIFI (Band 4 5725~5850MHz Band Edge @ 3m), ANT (802.11ax HE20 Partial 52/37 CH149 5745MHz). Row 0+1 contains two plots: Horizontal and Fundamental. The Horizontal plot shows a peak at 5745 MHz. The Fundamental plot shows a peak at 5745 MHz. Both plots include site and condition details.

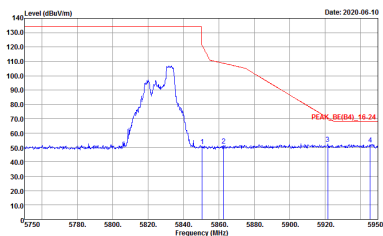
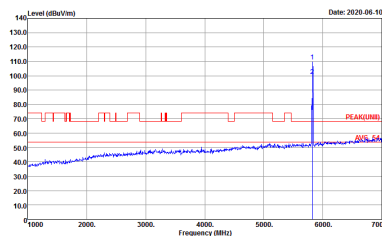


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2020-08-12 PEAK: 5745.75320</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020-08-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-06-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-06-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



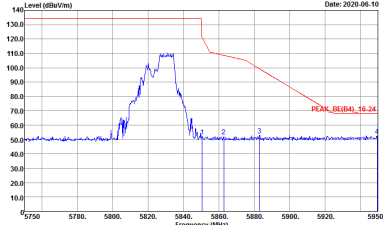
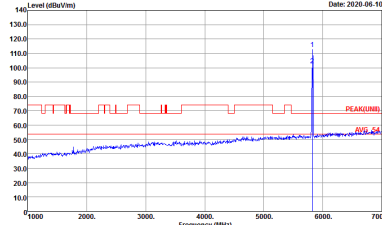
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UMI) 3m 91200_15_1620 HORIZONTAL Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Project : 041648</p>

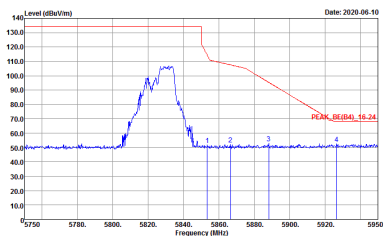
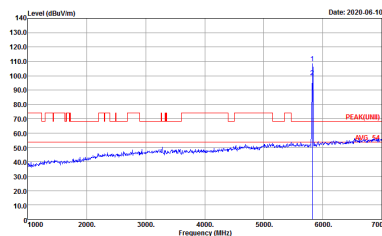


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2020-08-10 PEAK: 5745.7530</p> <p>Site : 03CH15-HY Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Date: 2020-08-10 PEAK: 5745.7530</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p> Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648 </p>	 <p> Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648 </p>



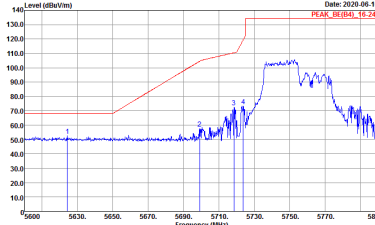
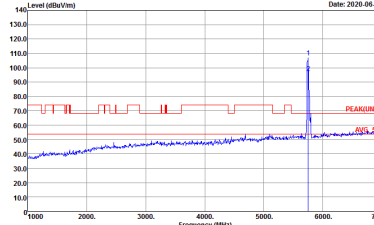
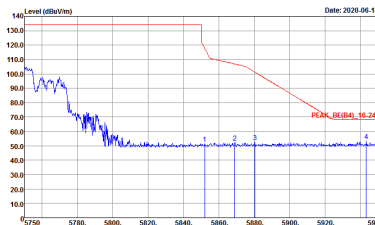
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020-06-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-06-10</p> <p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>



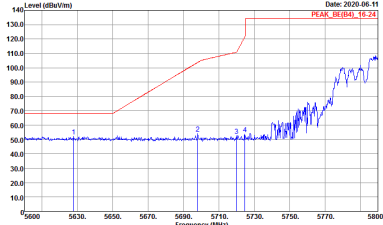
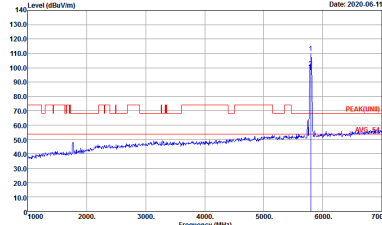
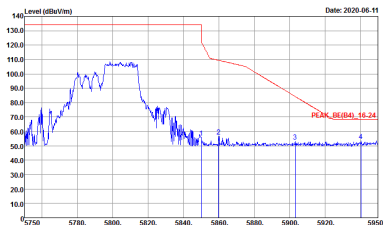
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UMB) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-06-10 PEAK_BE(04)_75-20</p> <p>Site : 03CH15-HY Condition : PEAK_BE(04)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020-06-10 PEAK_BE(04)_75-20</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	 <p>Date: 2020-06-10 PEAK_BE(04)_46-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(04)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



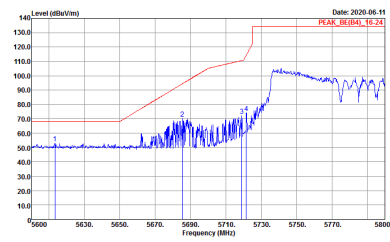
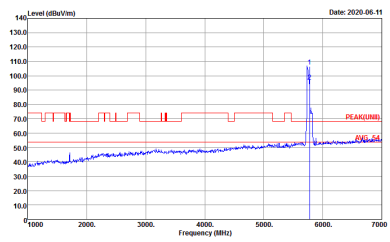
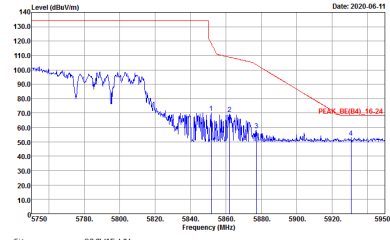
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



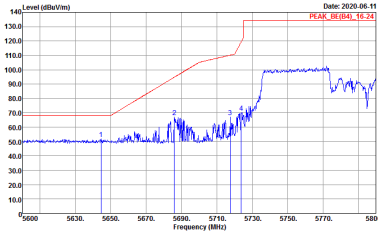
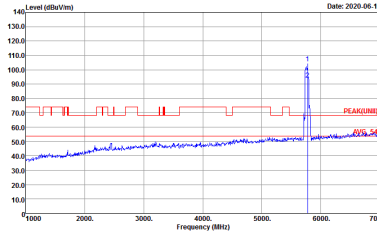
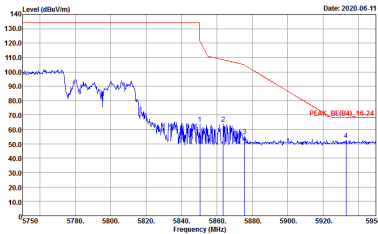
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UMB) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank

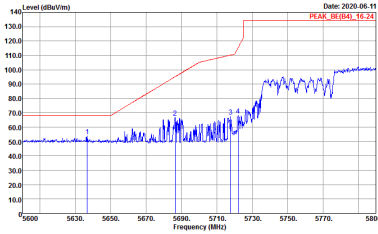
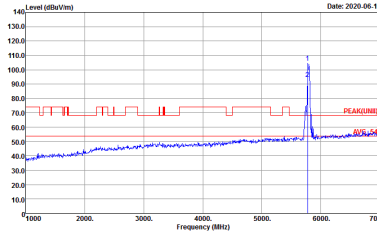
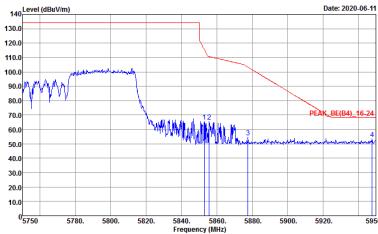


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 041648</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2020.06.11 PEAK_BE(04)_75-20</p> <p>Site : 03CH15-HY Condition : PEAK_BE(04)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	 <p>Date: 2020.06.11 PEAK(04)_16-24</p> <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>
Peak	 <p>Date: 2020.06.11 PEAK_BE(04)_46-24</p> <p>Site : 03CH15-HY Condition : PEAK_BE(04)_16-24 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 041648</p>	Left blank



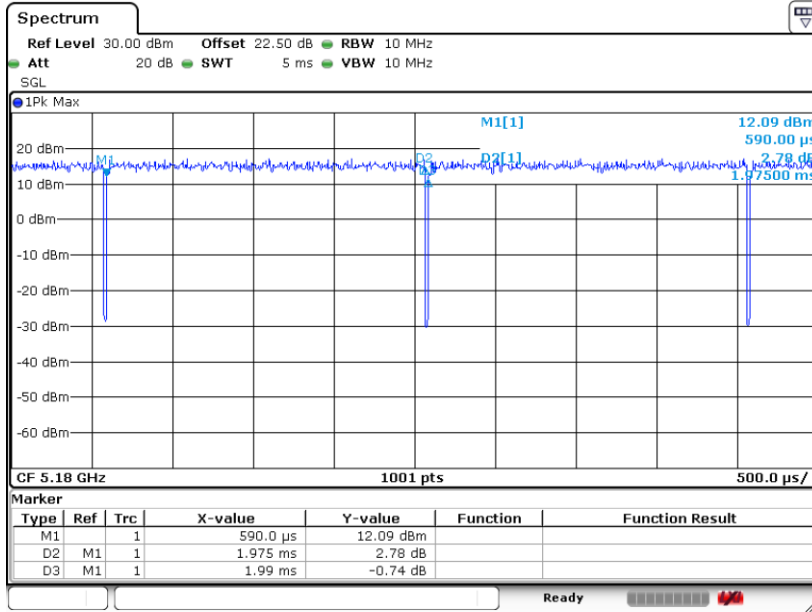
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0+1	802.11a for Ant 0	99.25	-	-	10Hz	0.03
0+1	802.11a for Ant 1	99.00	-	-	10Hz	0.04
0+1	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 26 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 26 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 52 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 52 RU for Ant 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 106 RU for Ant 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE20 106 RU for Ant 1	100.00	-	-	10Hz	0.00
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	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE40 242 RU for Ant 1	100.00	-	-	10Hz	0.00
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	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 484 RU for Ant 1	100.00	-	-	10Hz	0.00



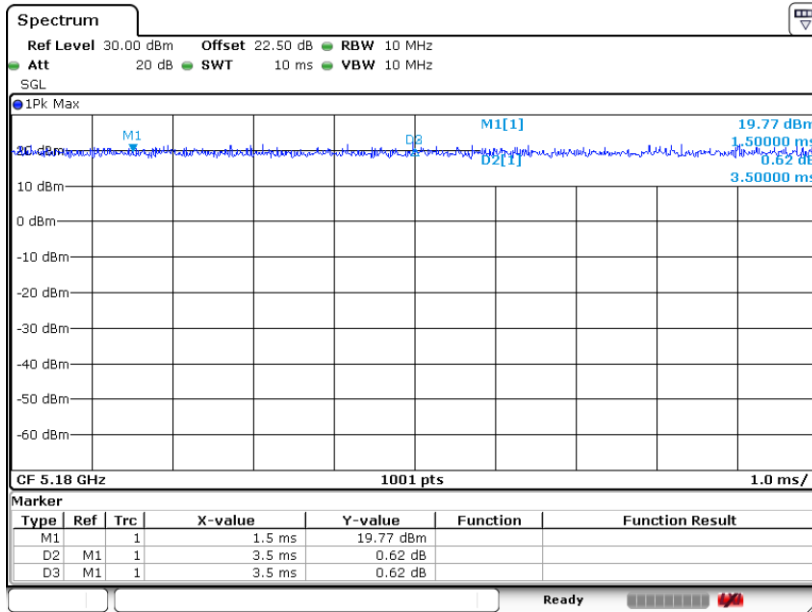
MIMO <Ant. 0>

802.11a



Date: 24.MAY.2020 12:28:27

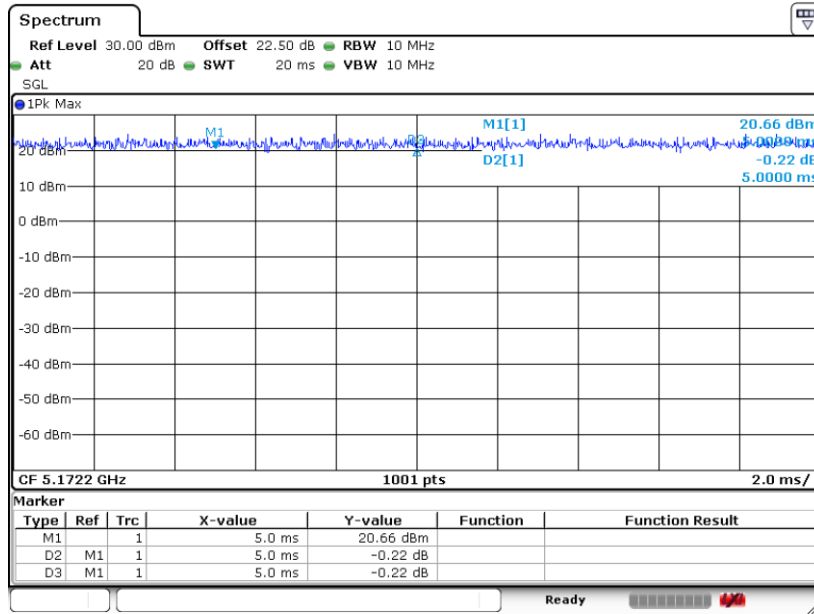
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Date: 24.MAY.2020 13:51:47

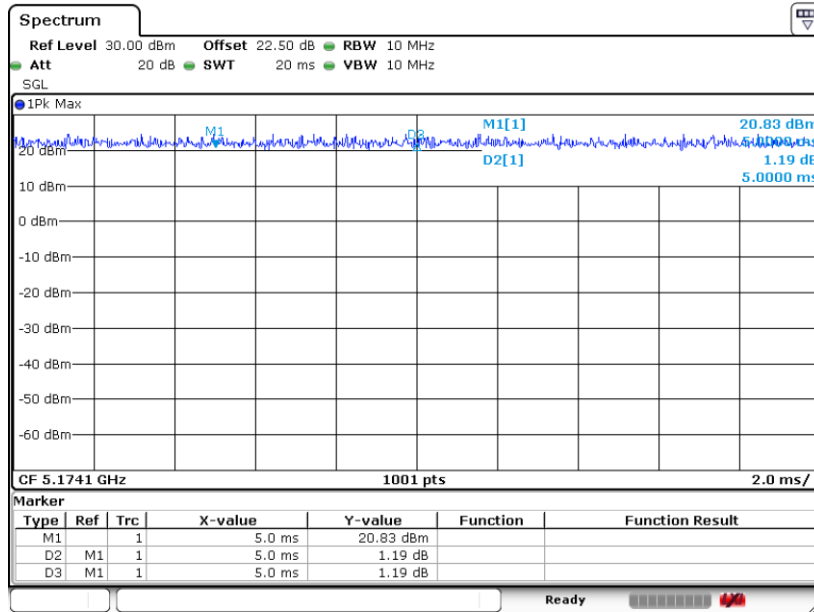


802.11ax HE20 26 RU



Date: 10.JUN.2020 05:12:15

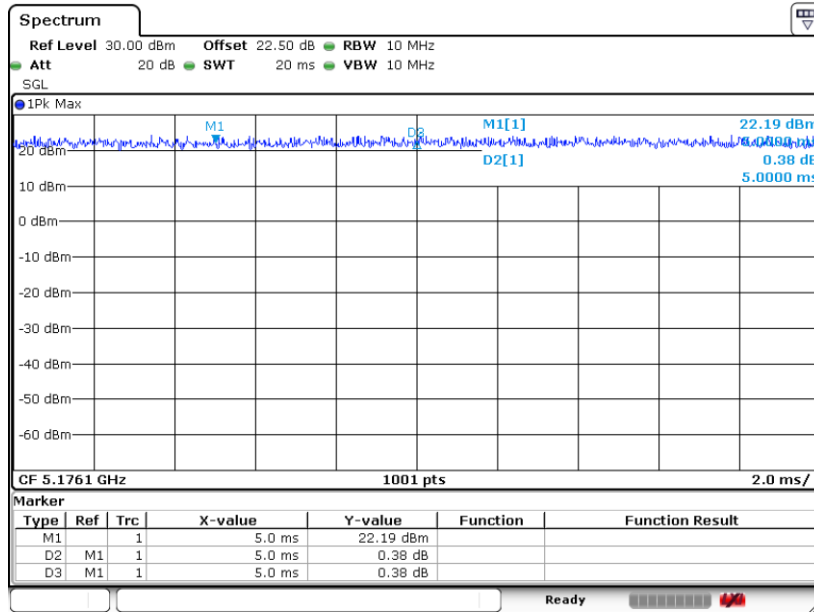
802.11ax HE20 52 RU



Date: 10.JUN.2020 05:16:13

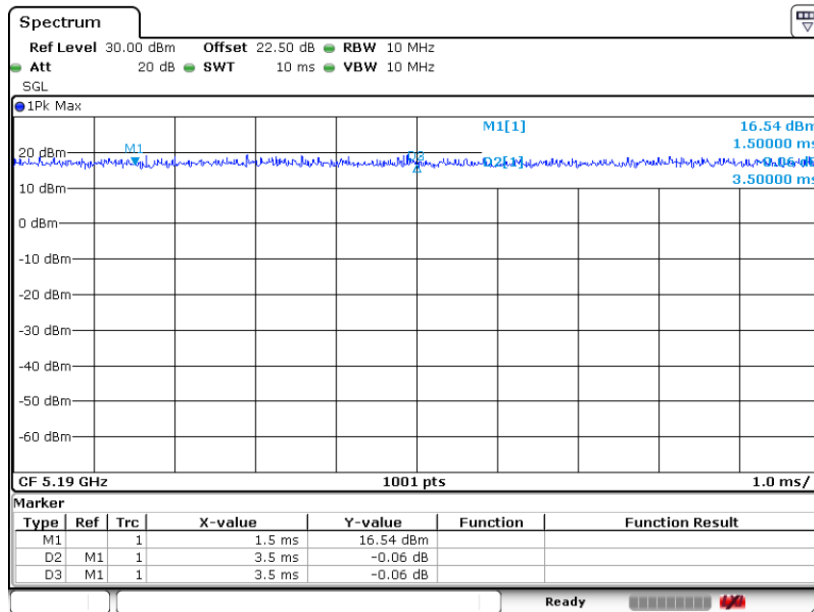


802.11ax HE20 106 RU



Date: 10.JUN.2020 05:20:39

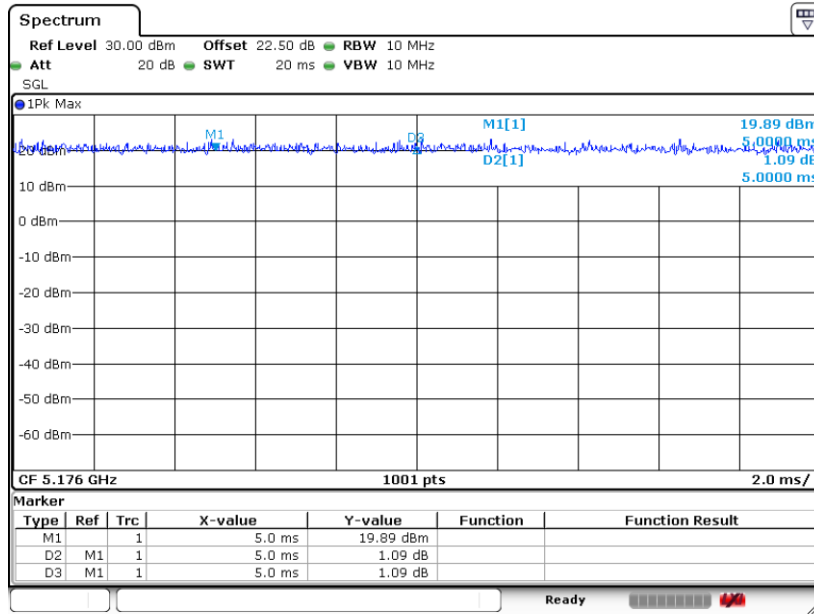
802.11ax HE40 Full RU



Date: 24.MAY.2020 13:56:42

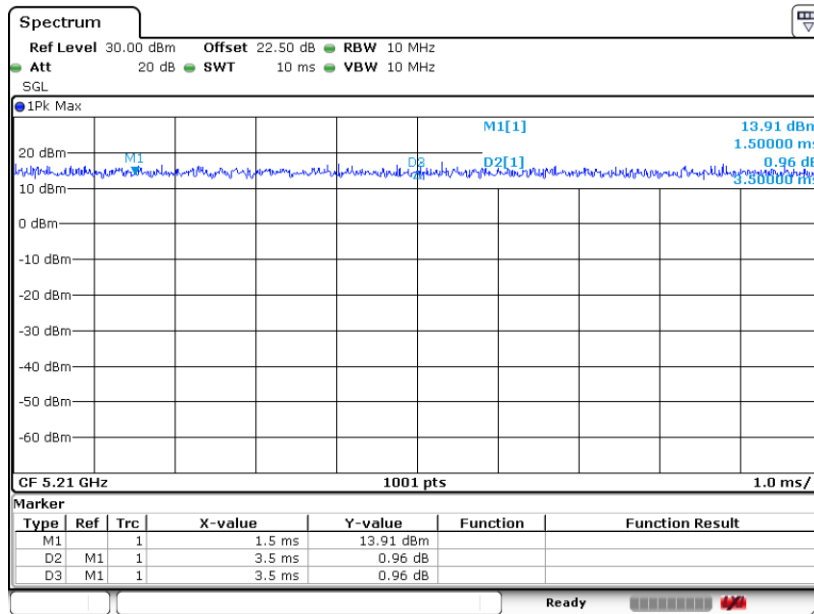


802.11ax HE40 242 RU



Date: 10.JUN.2020 05:28:17

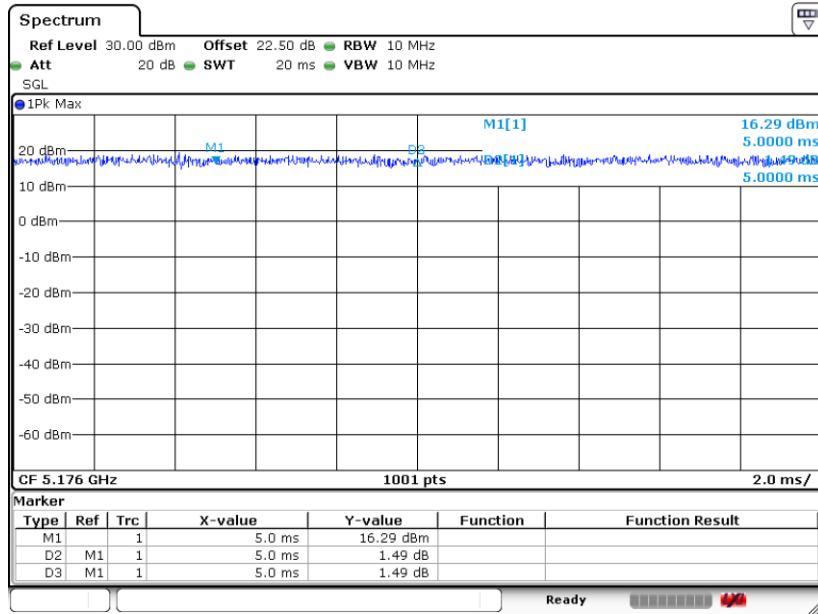
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Date: 24.MAY.2020 14:01:39



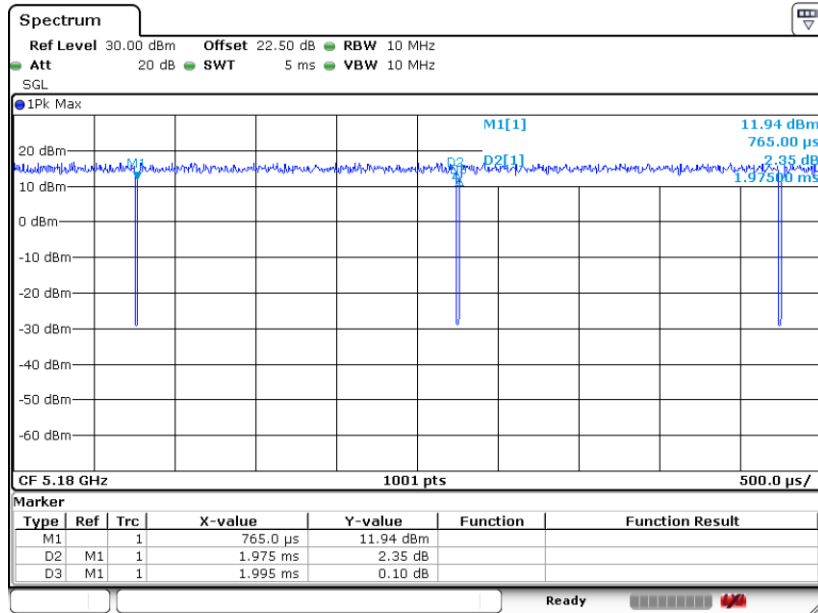
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Date: 10.JUN.2020 05:34:55

MIMO <Ant. 1>

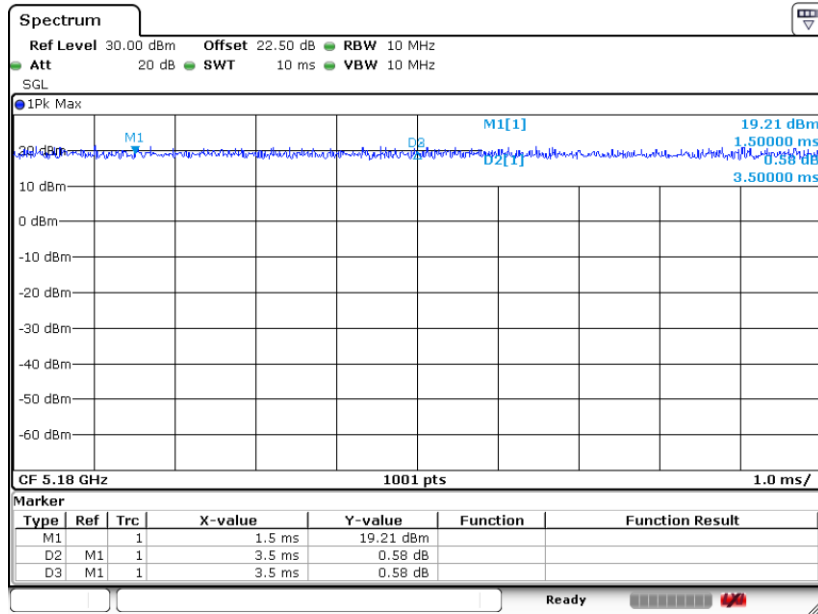
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Date: 24.MAY.2020 12:31:28

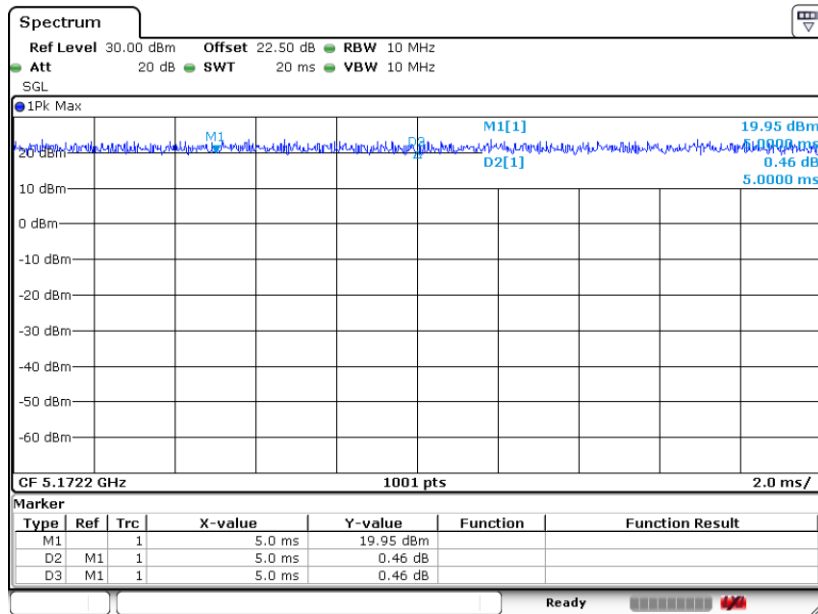


802.11ax HE20 Full RU



Date: 24.MAY.2020 13:52:42

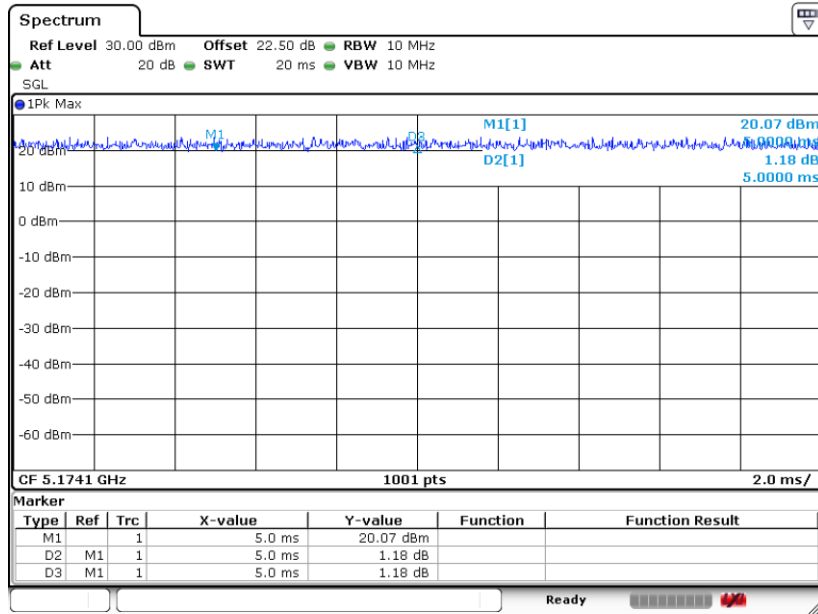
802.11ax HE20 26 RU



Date: 10.JUN.2020 05:12:57

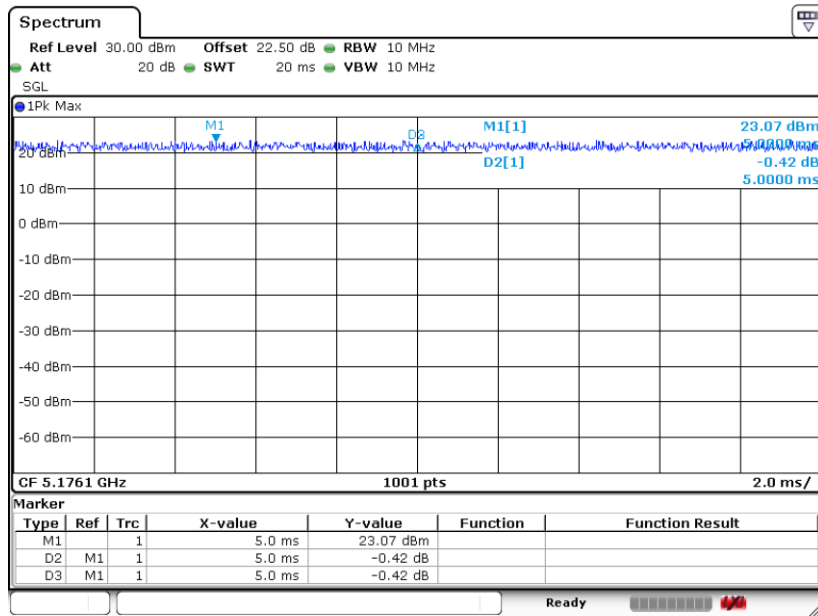


802.11ax HE20 52 RU



Date: 10.JUN.2020 05:17:45

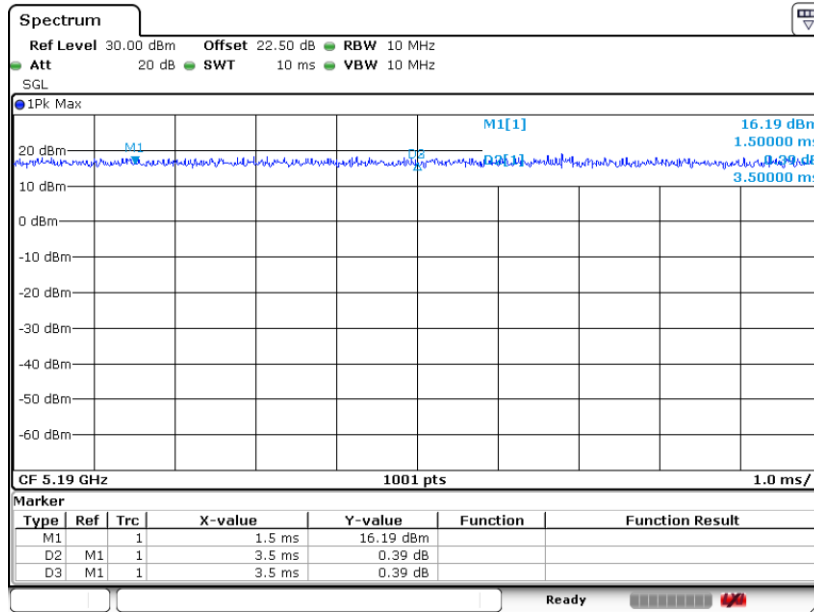
802.11ax HE20 106 RU



Date: 10.JUN.2020 05:24:42

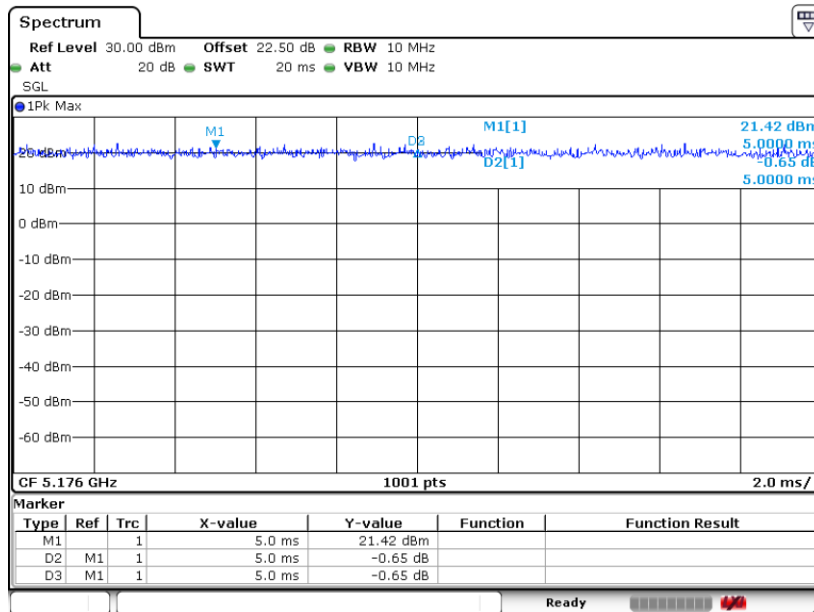


802.11ax HE40 Full RU



Date: 24.MAY.2020 13:57:17

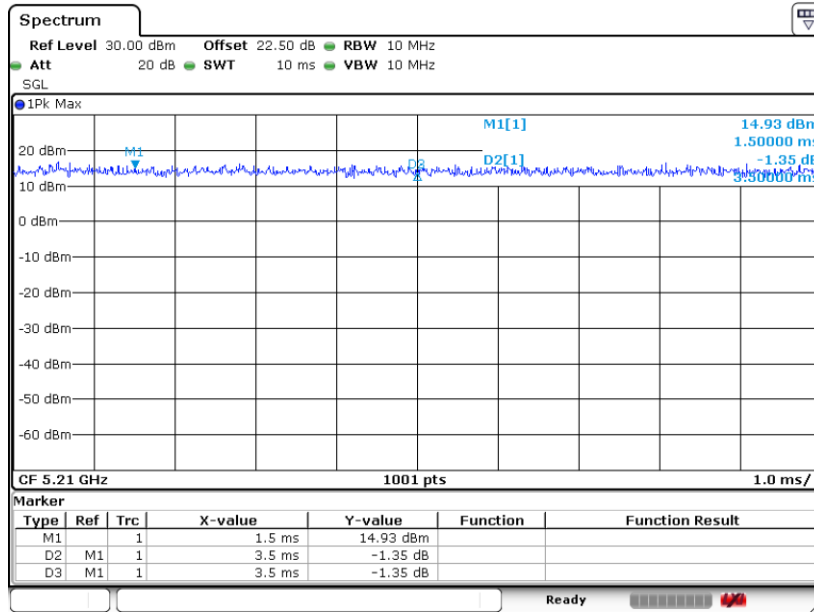
802.11ax HE40 242 RU



Date: 10.JUN.2020 05:30:09

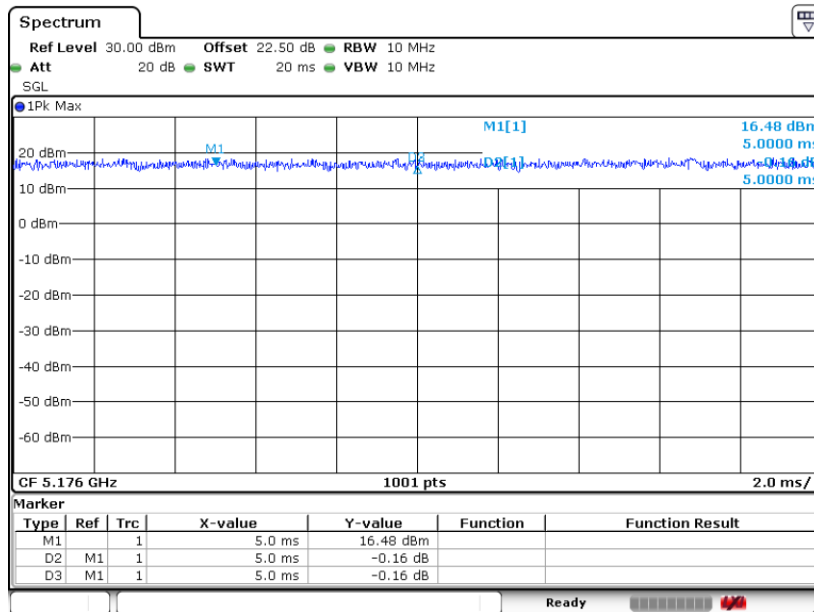


802.11ax HE80 Full RU



Date: 24.MAY.2020 14:02:43

802.11ax HE80 484 RU



Date: 10.JUN.2020 05:37:51