



FCC RADIO TEST REPORT

FCC ID : MSQI005D
Equipment : ASUS Phone(Mobile Phone)
Brand Name : ASUS
Model Name : ASUS_I005D
ASUS_I005DC
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 02, 2020 and testing was started from Nov. 12, 2020 and completed on Jan. 08, 2021. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR082114F	01	Initial issue of report	Feb. 04, 2021



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.08 dB at 5650.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.18 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: Lucy Wu



1 General Description

1.1 Applicant

1. ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

1.2 Manufacturer

1. Guangdong Enok Communication Co., Ltd.
No. 137, 139, Lixiang Road., Songmushan Village, Dalang Town, Dongguan City, Guangdong Province, China
2. PT. SAT NUSAPERSADA TBK
JALAN PELITA VI. NO. 99, BATAM, 29443,INDONESIA

1.3 Product Feature of Equipment Under Test

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

Product specification subjective to this standard	
Sample 1	Model Name: ASUS_I005D
Sample 2	Model Name: ASUS_I005DC
Antenna Type	WWAN: PIFA Antenna WLAN <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna Bluetooth <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 4: -4.3 Ant. 5: 2.9 Ant. 6: 3.0

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

Sample Information		
Model Name	ASUS_I005D	ASUS_I005DC
SKU	SKU1	SKU2
	UE2S3	UE2S2
High-end or Entry level (Back cover CN or WW)	High-end WW (Etching + Black) PMOLED	High-end CN (Etching + Black) Light guide plate
PCB Manufacturer	COMPEQ	COMPEQ
Front Camera 24M (Brand/Model name)	TRIPLEWIN/CASF0-000A	LUXVISIONS/0BFO01P3
Rear CAM 64M+13M (Brand/Model name)	PRIMAX/50-704JHASC8	PRIMAX/50-704JHASC8
Rear CAM 8M (Brand/Model name)	TSPRECISION/O5F9323 VERA1	TSPRECISION/O5F9323 VERA1
BATT (Brand/Model name)	SCUD/C21P2001	SCUD/C21P2001
CPU (Brand/Model name)	QUALCOMM/ SM-8350-1-MPSP1393-TR-00-0-AB	QUALCOMM/ SM-8350-1-MPSP1393-TR-00-0-AB
DDR	12G	12G
Brand/Model name	Micron/MT62F1536M64D8CH-031WT:A	Micron/MT62F1536M64D8CH-031WT:A
UFS	512G	256G
Brand/Model name	Micron/MTFC512GARATAM-WT	Samsung/KLUEG8UHDC-B0E1

1.4 Modification of EUT

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



1.5 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. 03CH16-HY

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

FCC designation No.: TW1190 and TW0007

1.6 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

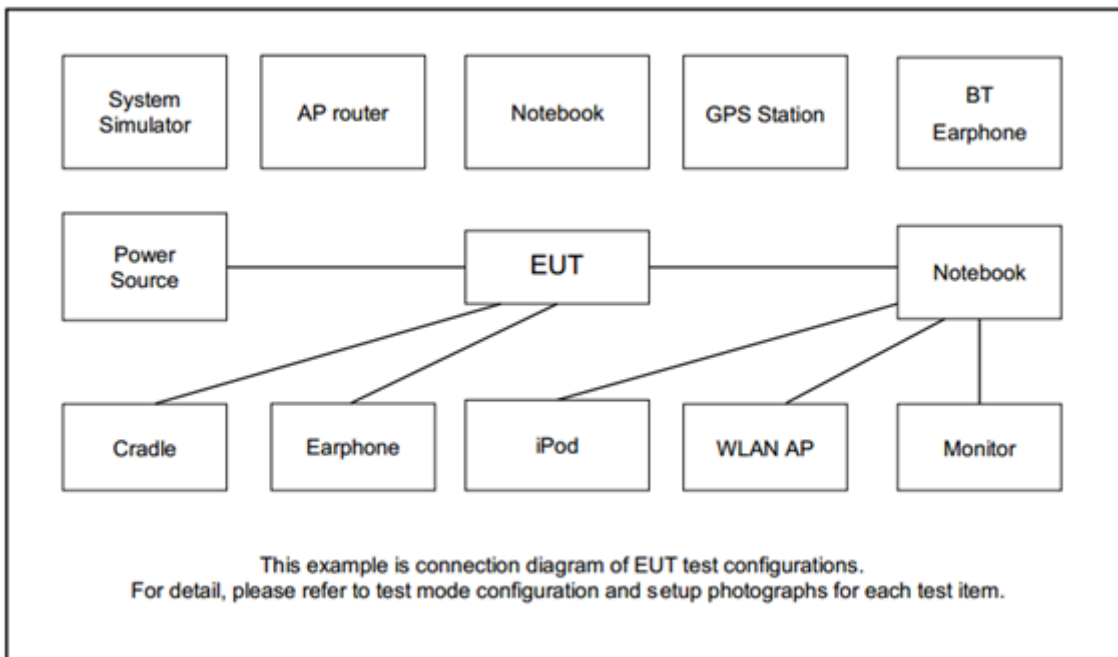
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

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

Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	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.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Earphone	ASUS	EA009B	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT Ver.4.0.00175.0" 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.

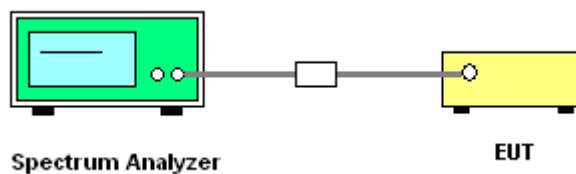
3.1.2 Measuring Instruments

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

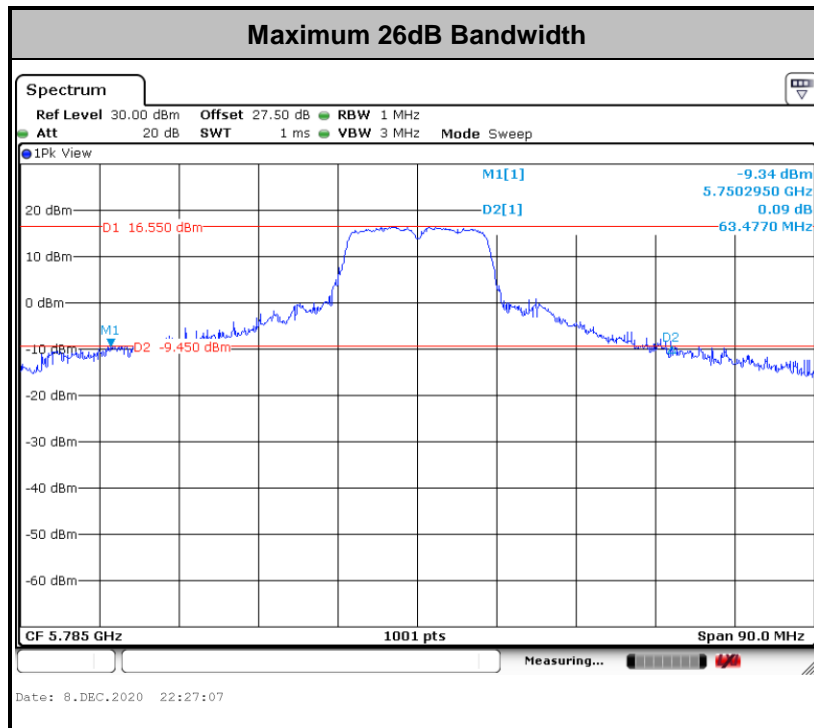
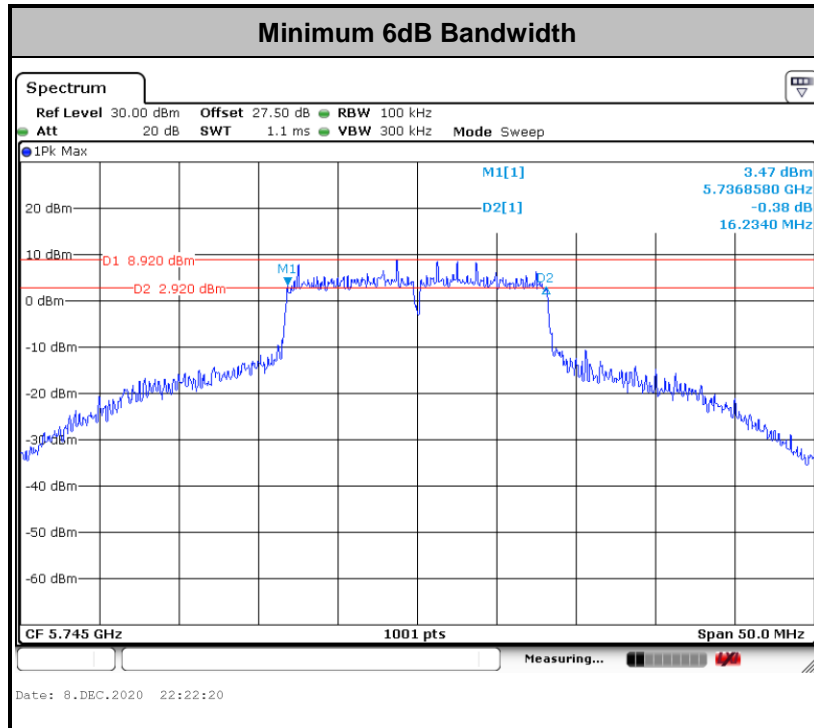


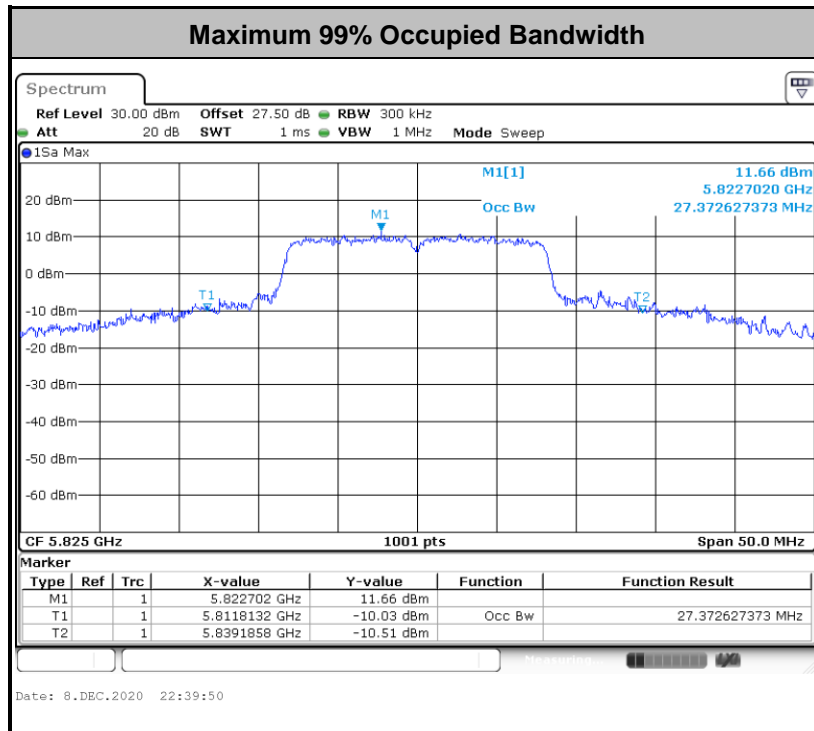
3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.



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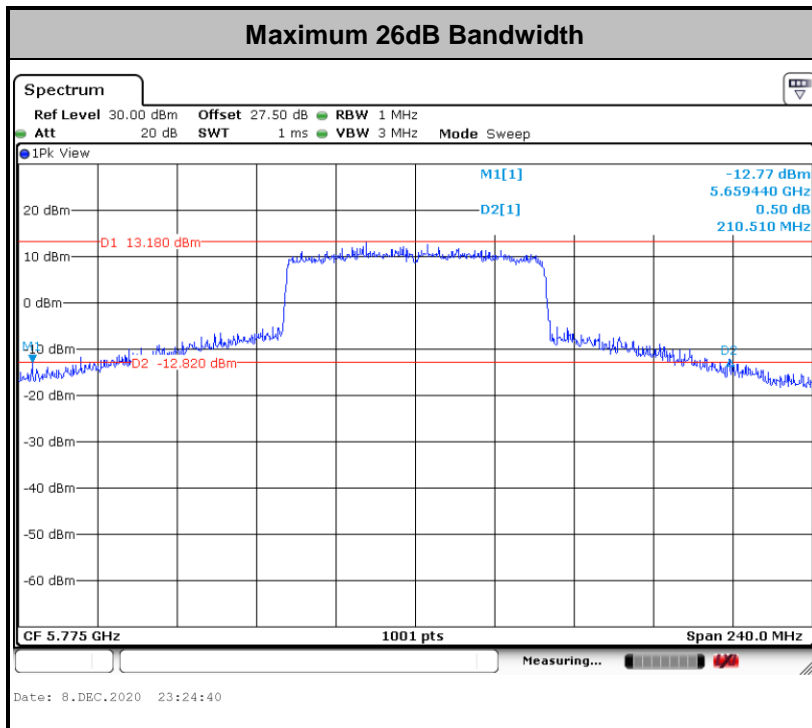
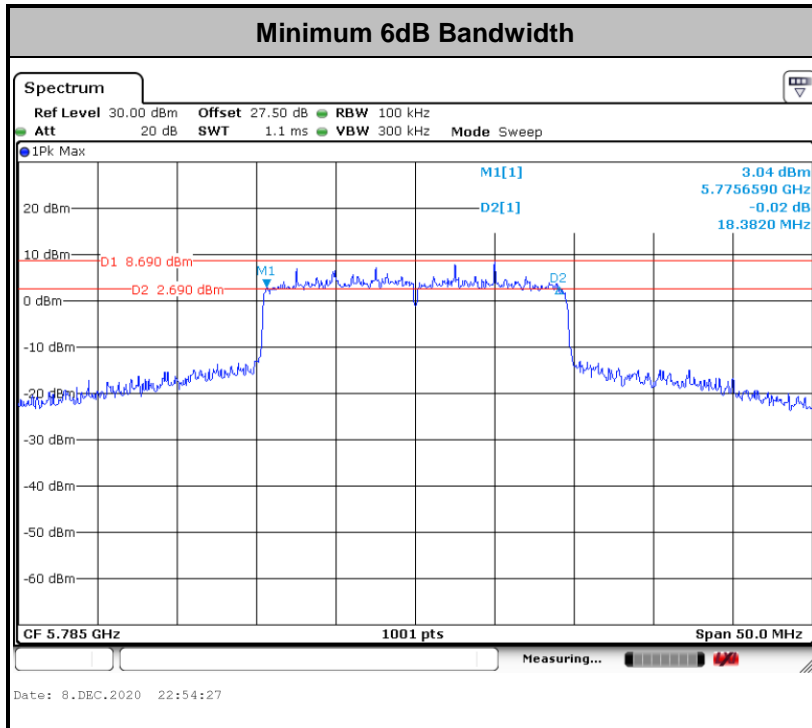


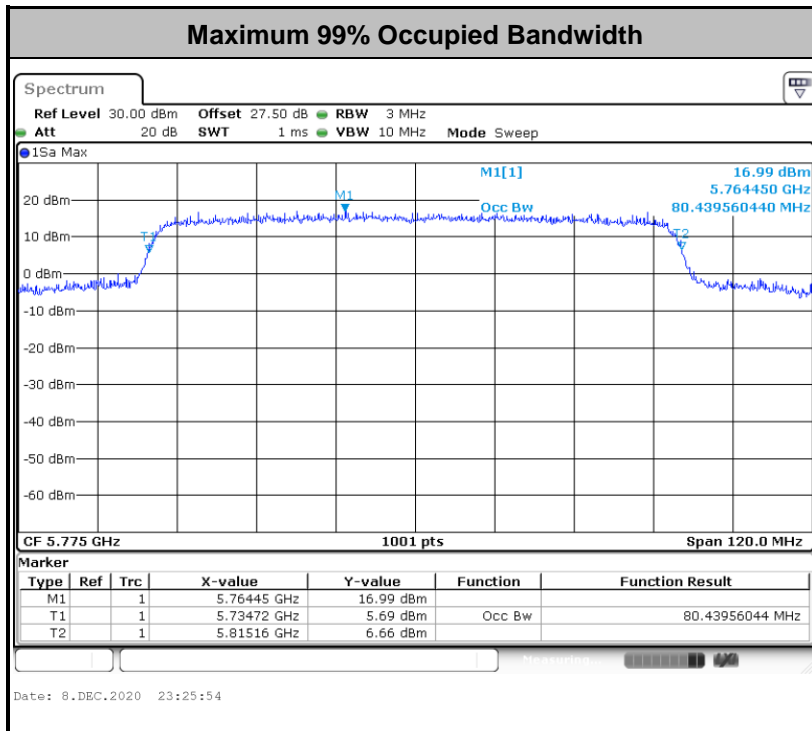


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<802.11ax Mode>

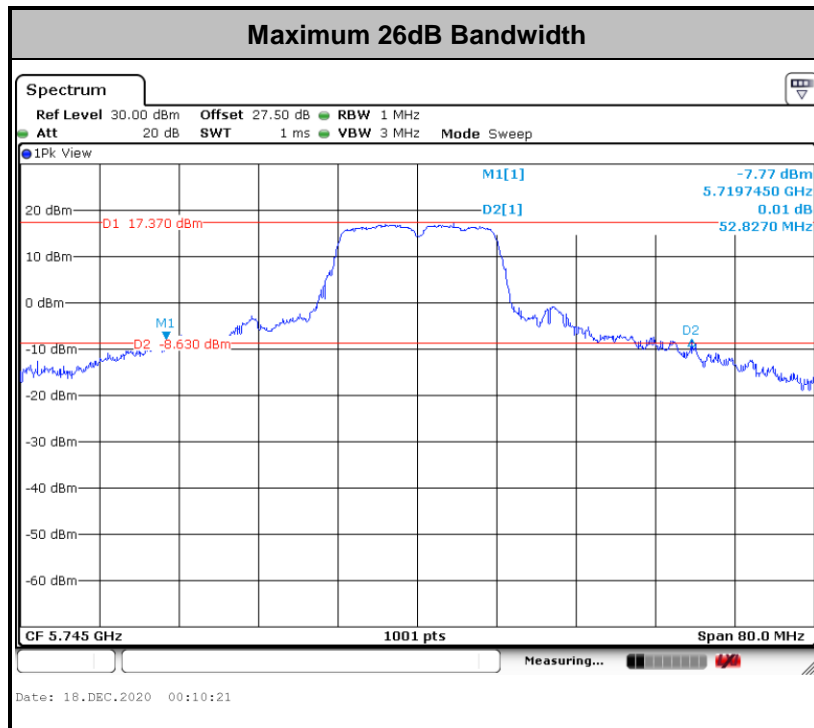
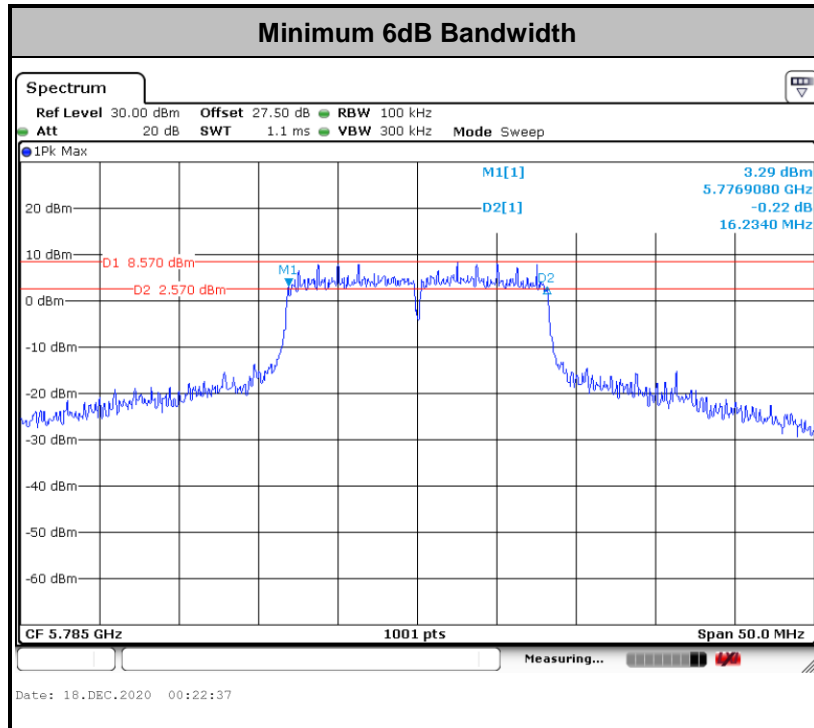


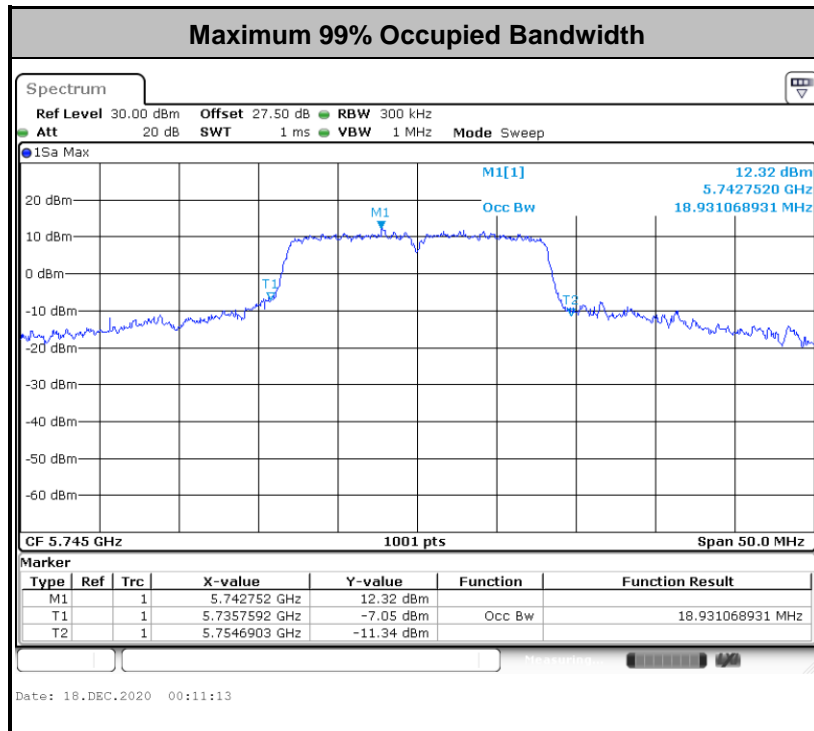


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



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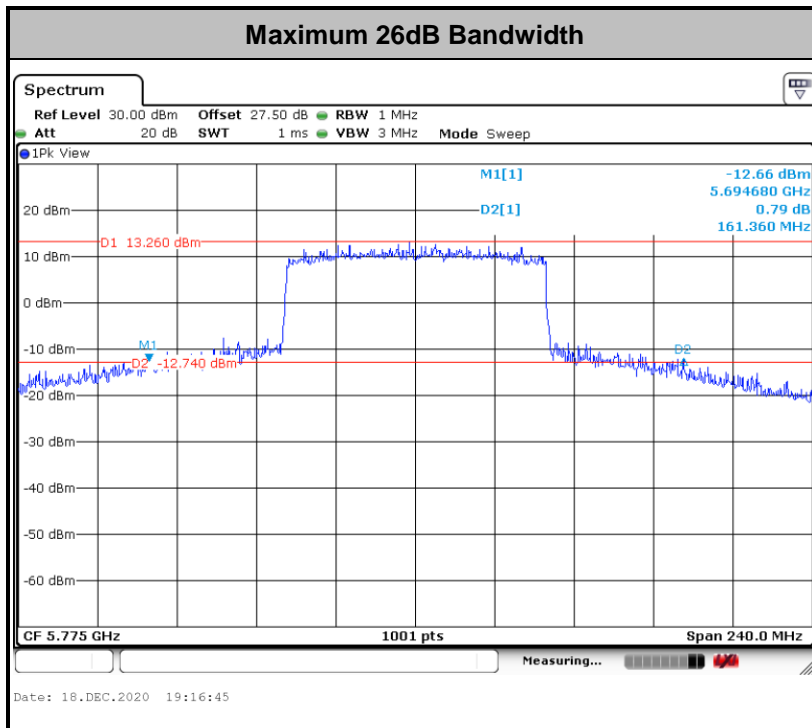
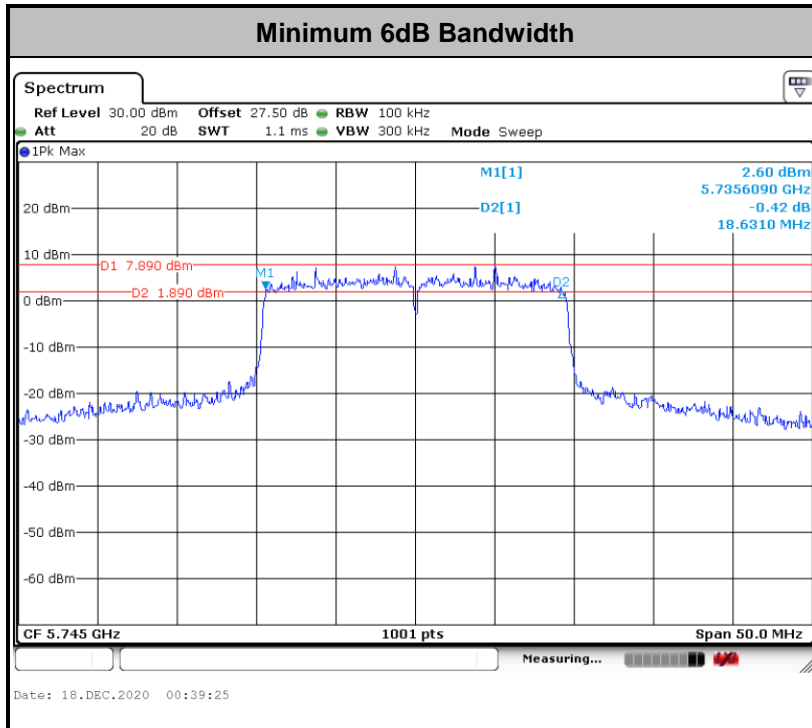


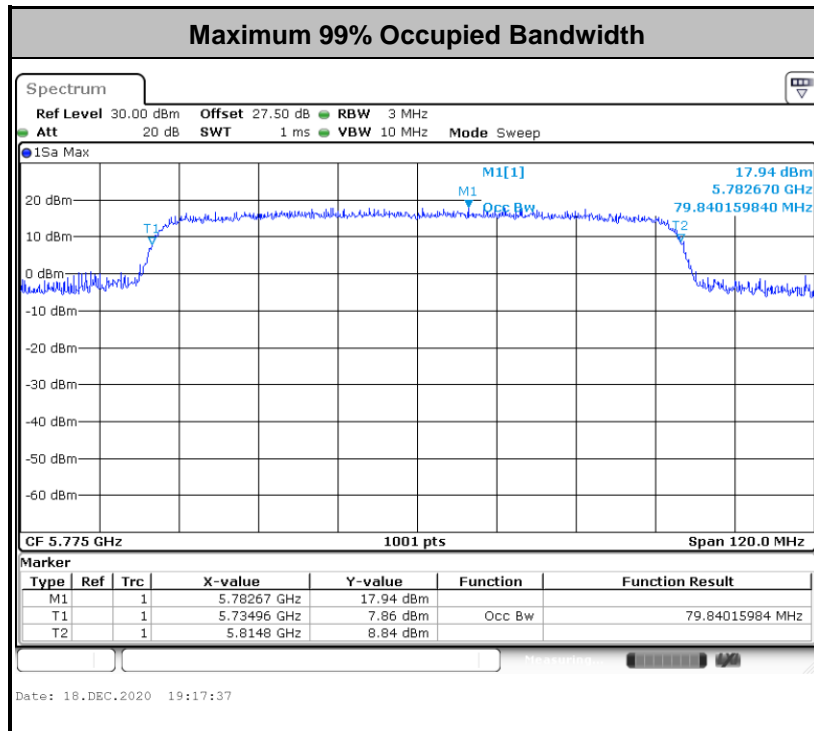


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<802.11ax Mode>





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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

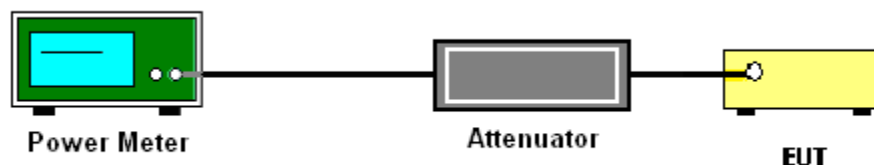
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Method SA-3

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

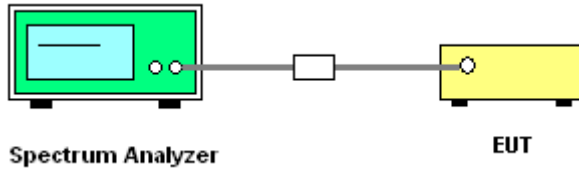
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration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

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

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



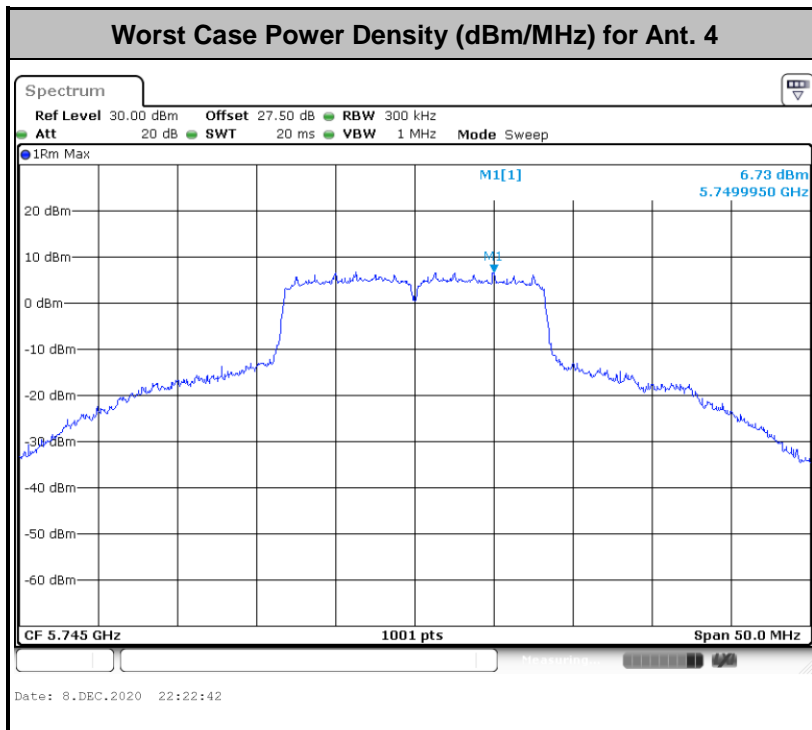
3.3.4 Test Setup

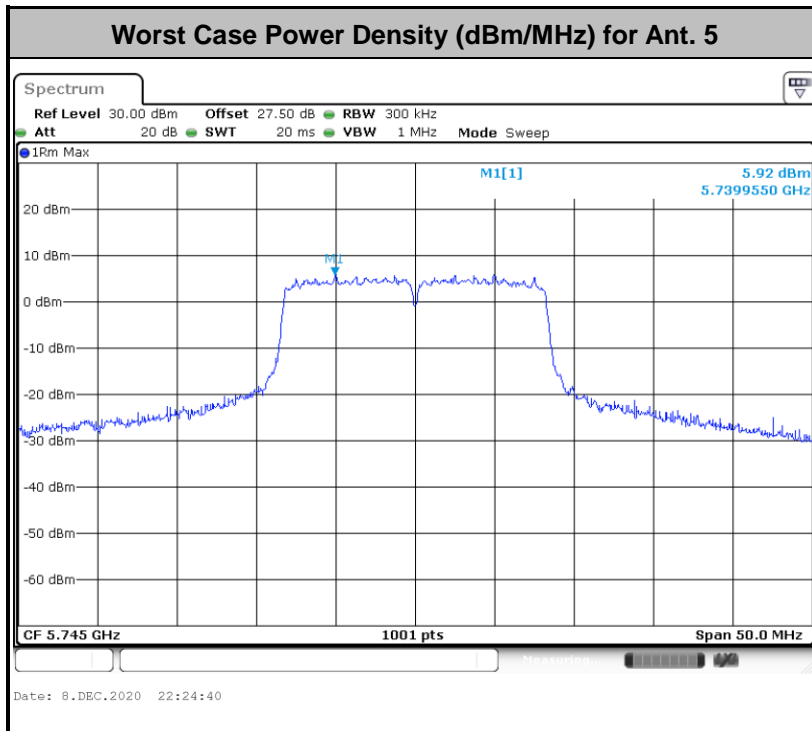


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

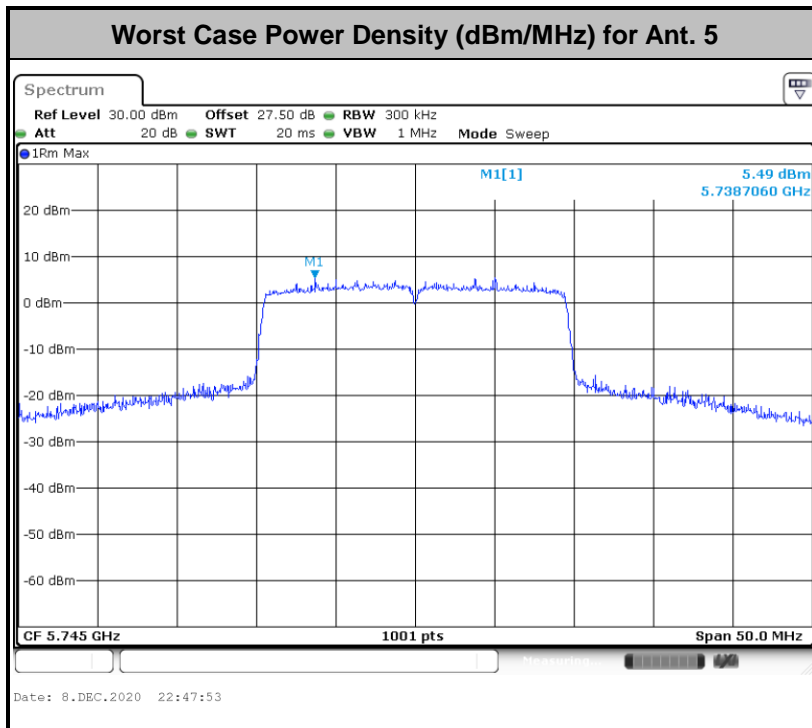
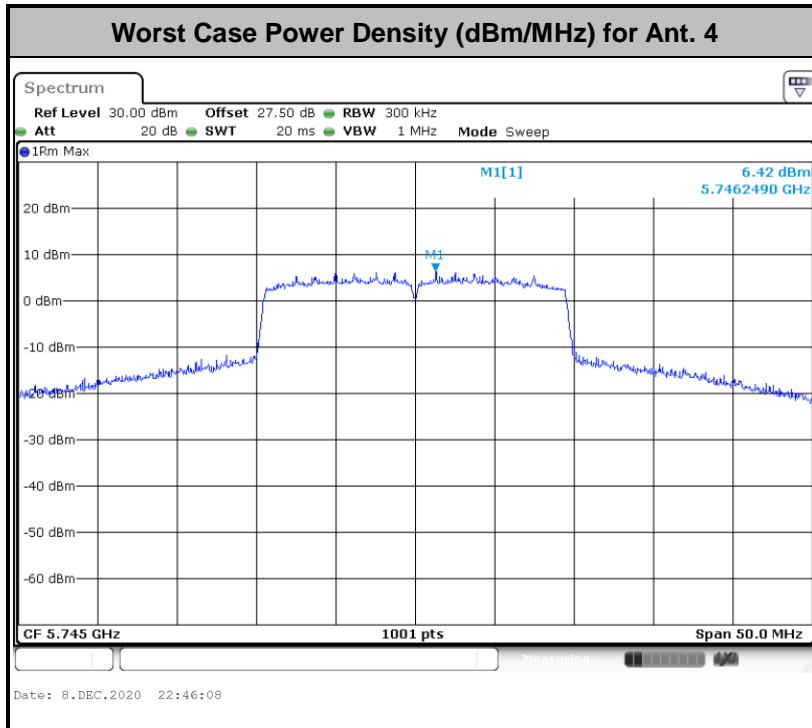
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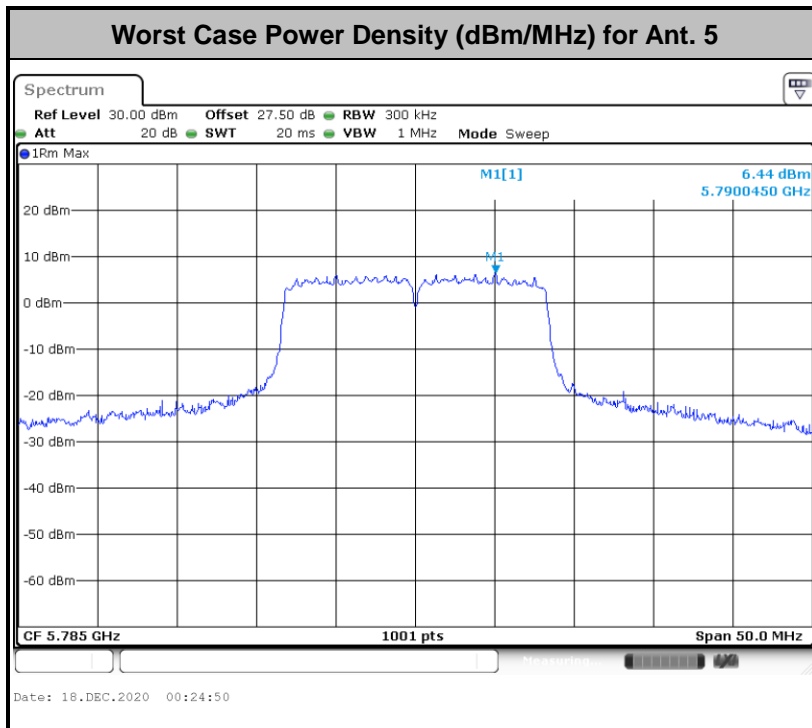
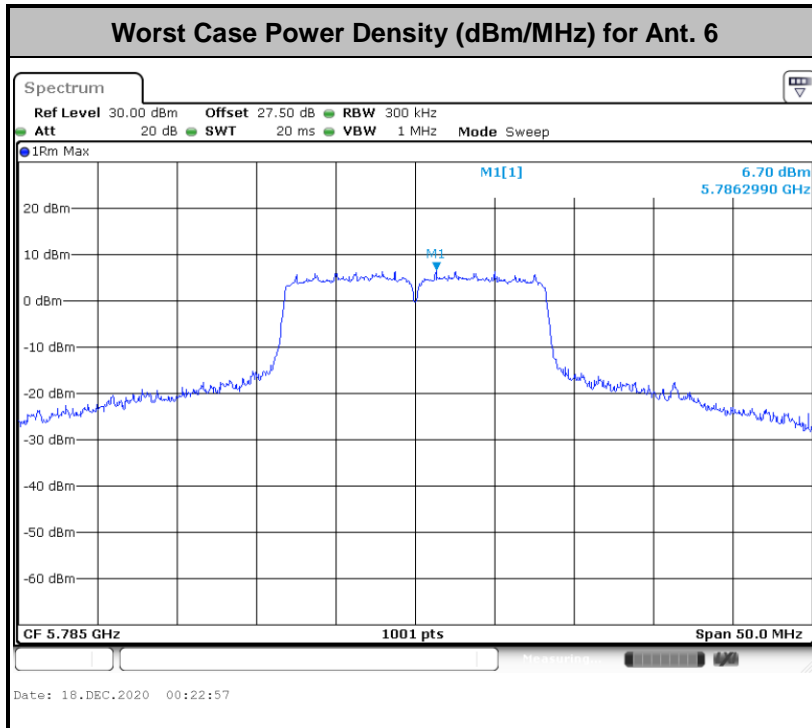


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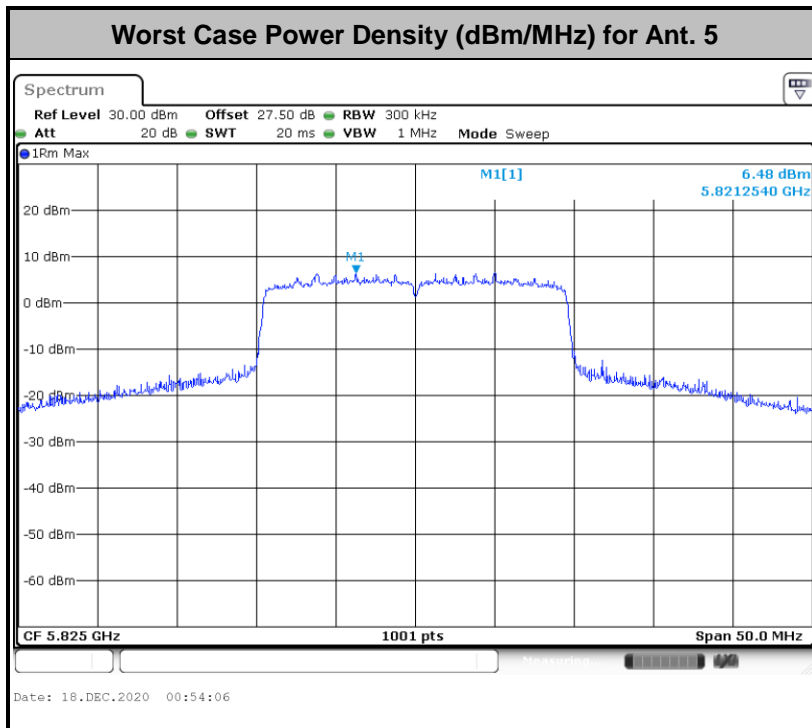
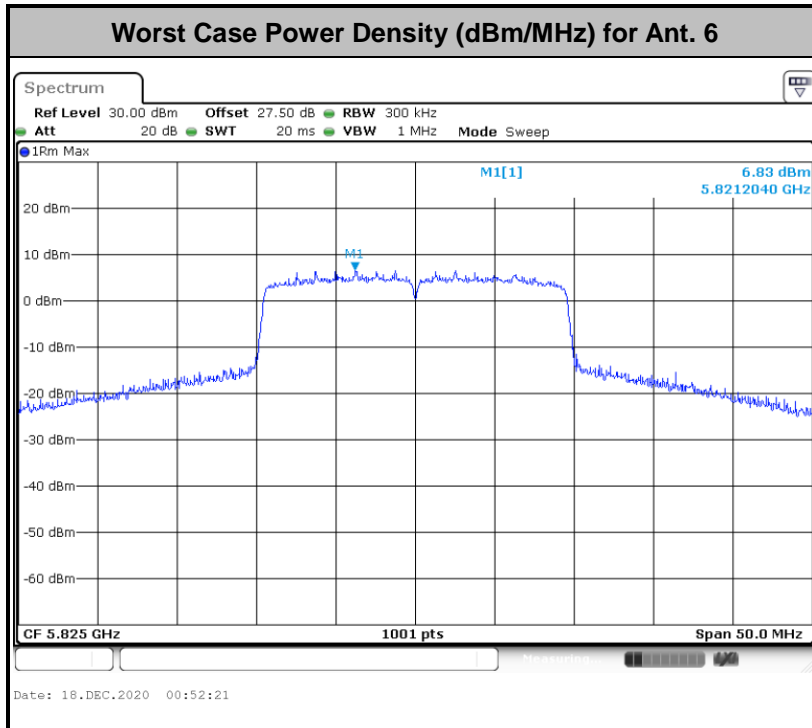


<Camera Mode>





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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.

<Limit of Unwanted Emissions>

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

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

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

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

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

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

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

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

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

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



3.4.1 Measuring Instruments

See list of measuring equipment of this test report.

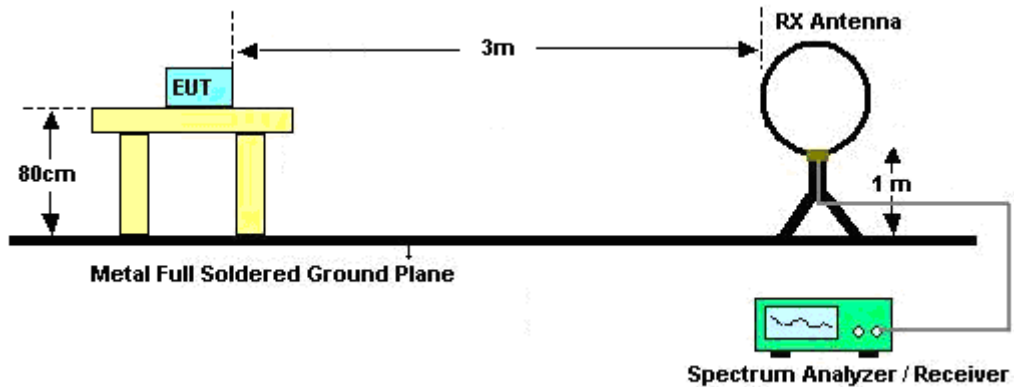
3.4.2 Test Procedures

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.

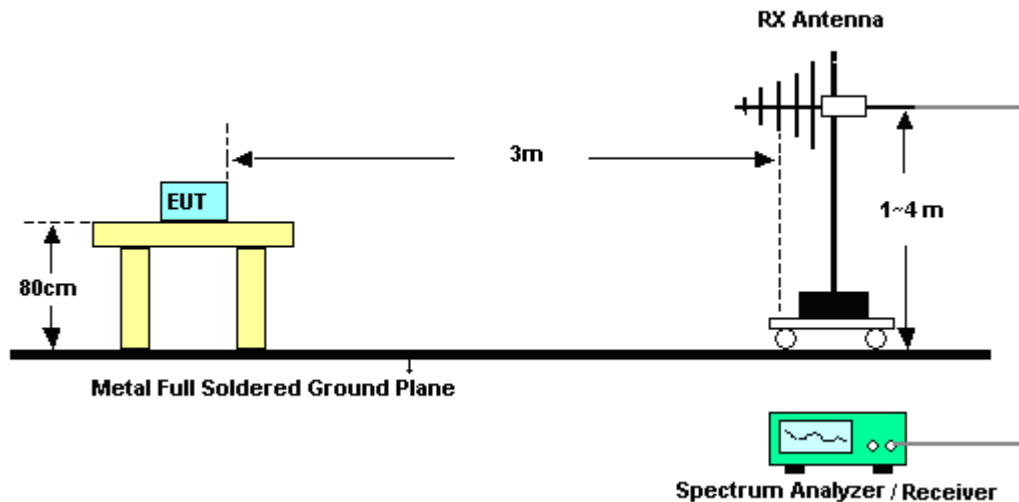
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again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

3.4.3 Test Setup

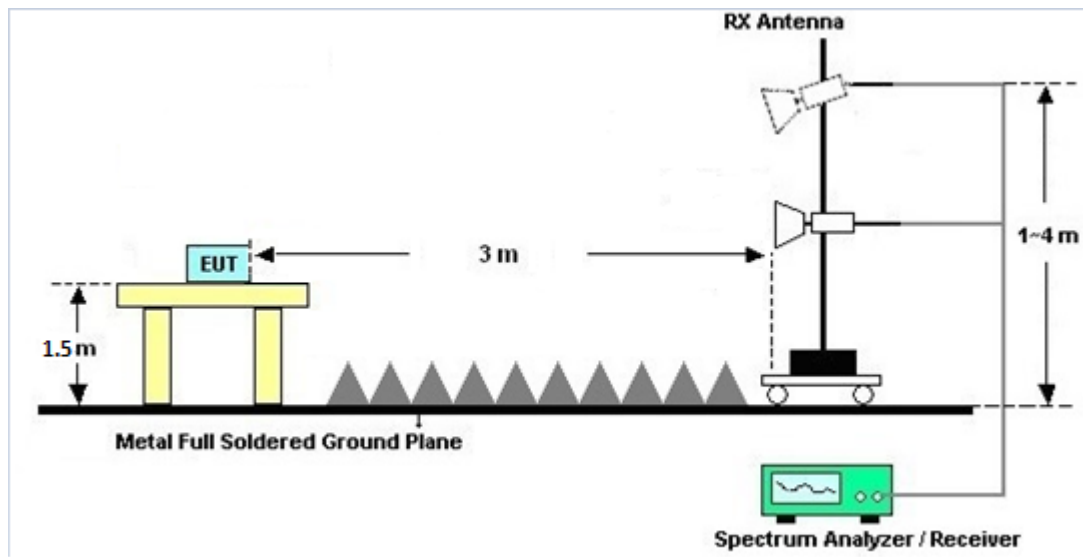
For radiated emissions below 30MHz



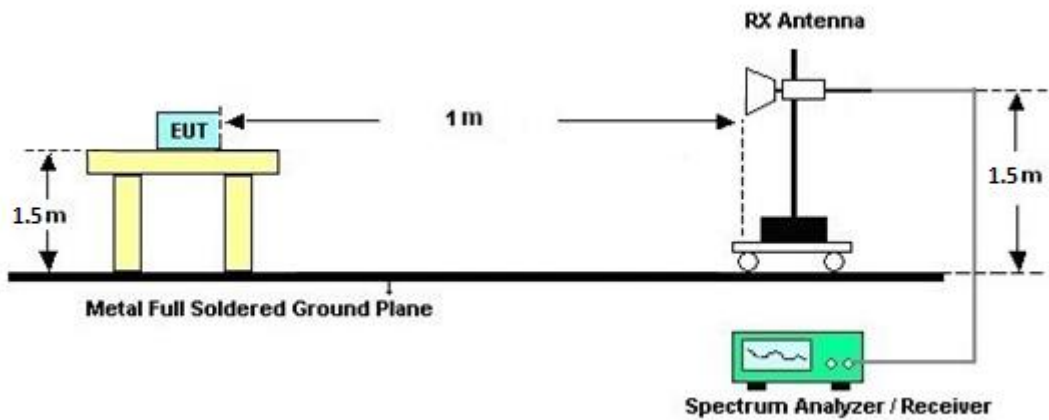
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.4.4 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.

3.4.5 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.6 Duty Cycle

Please refer to Appendix E.

3.4.7 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.

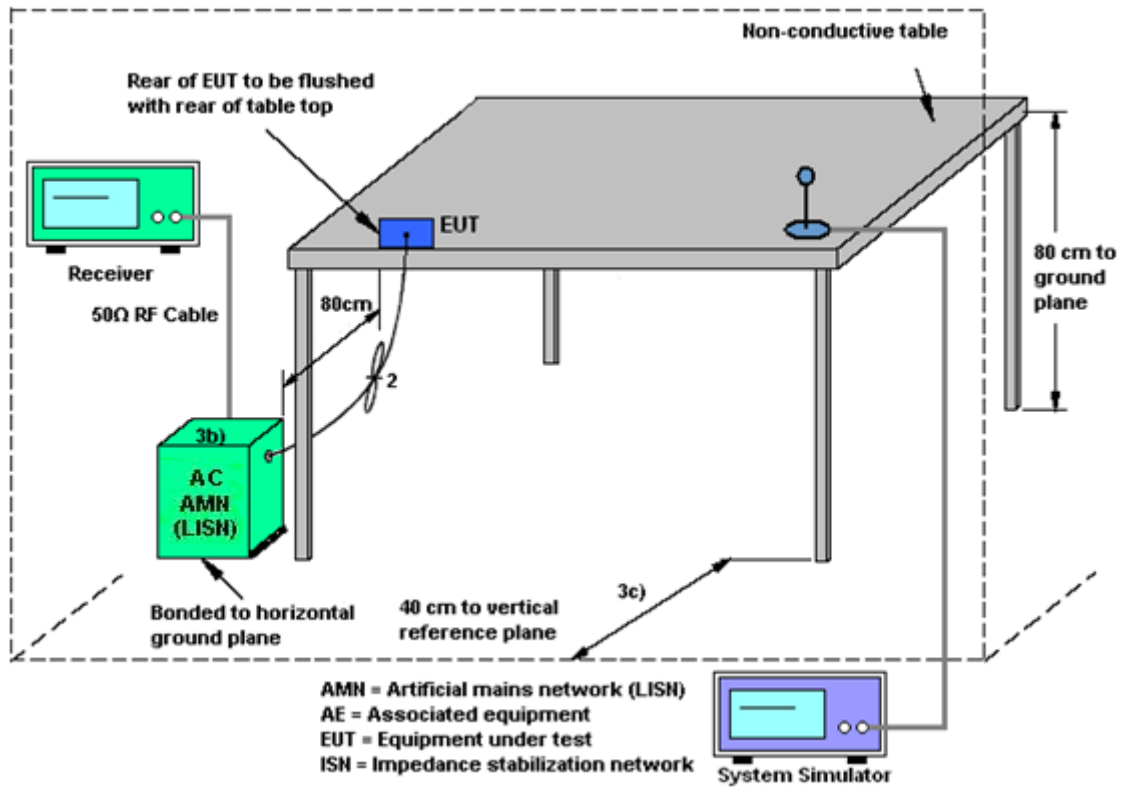
3.5.2 Measuring Instruments

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 = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} 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.



<For Normal Mode>

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 4	Ant. 5	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	-4.30	2.90	2.90	3.04	0.00	0.00

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

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

<For Camera Mode>

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 6	Ant. 5	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	3.00	2.90	3.00	5.96	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 12, 2020~ Dec. 22, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Dec. 12, 2020~ Dec. 22, 2020	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 12, 2020~ Dec. 22, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Dec. 12, 2020~ Dec. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Dec. 12, 2020~ Dec. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Nov. 24, 2020~ Jan. 07, 2021	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01 N-06	47020 & 06	30MHz to 1GHz	Oct. 11, 2020	Nov. 24, 2020~ Jan. 07, 2021	Oct. 10, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30, 2020	Nov. 24, 2020~ Jan. 07, 2021	Sep. 29, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 29, 2020	Nov. 24, 2020~ Jan. 07, 2021	Sep. 28, 2021	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0054001	1GHz~18GHz	Sep. 04, 2020	Nov. 24, 2020~ Jan. 07, 2021	Sep. 03, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz ~40GHz	May 22, 2020	Nov. 24, 2020~ Jan. 07, 2021	May 21, 2021	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 10, 2020	Nov. 24, 2020~ Jan. 07, 2021	Dec. 09, 2021	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY572901 11	3Hz~26.5GHz	Dec. 11, 2020	Nov. 24, 2020~ Jan. 07, 2021	Dec. 10, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 29, 2020	Nov. 24, 2020~ Jan. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 29, 2020	Nov. 24, 2020~ Jan. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 29, 2020	Nov. 24, 2020~ Jan. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP200881	QA-3-031	Oct. 22, 2020	Nov. 24, 2020~ Jan. 07, 2021	Oct. 21, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Nov. 24, 2020~ Jan. 07, 2021	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 24, 2020~ Jan. 07, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 24, 2020~ Jan. 07, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 24, 2020~ Jan. 07, 2021	N/A	Radiation (03CH16-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 12, 2020~ Jan. 08, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15100041S NO09	10MHz~6GHz	Jan. 22, 2020	Nov. 12, 2020~ Jan. 08, 2021	Jan. 21, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Nov. 12, 2020~ Jan. 08, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Nov. 12, 2020~ Jan. 08, 2021	Mar. 16, 2021	Conducted (TH05-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% ($U = 2Uc(y)$)	4.5
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2020/11/12~2021/01/08	Relative Humidity:	51~54	%

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 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	149	5745	20.18	16.68	41.18	36.86	16.23	16.33	0.5	Pass
11a	6Mbps	2	157	5785	26.82	21.53	63.48	48.28	16.28	16.28	0.5	Pass
11a	6Mbps	2	165	5825	27.37	27.17	63.30	54.76	16.23	16.23	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
11a	6Mbps	2	149	5745	19.80	19.50	22.66	30.00		2.90		Pass
11a	6Mbps	2	157	5785	19.50	19.70	22.61	30.00		2.90		Pass
11a	6Mbps	2	165	5825	19.50	19.90	22.71	30.00		2.90		Pass
HT20	MCS0	2	149	5745	19.80	19.40	22.61	30.00		2.90		Pass
HT20	MCS0	2	157	5785	19.70	19.70	22.71	30.00		2.90		Pass
HT20	MCS0	2	165	5825	19.50	19.80	22.66	30.00		2.90		Pass
HT40	MCS0	2	151	5755	19.70	19.00	22.37	30.00		2.90		Pass
HT40	MCS0	2	159	5795	19.80	19.60	22.71	30.00		2.90		Pass
VHT20	MCS0	2	149	5745	19.70	19.50	22.61	30.00		2.90		Pass
VHT20	MCS0	2	157	5785	19.70	19.70	22.71	30.00		2.90		Pass
VHT20	MCS0	2	165	5825	19.50	19.70	22.61	30.00		2.90		Pass
VHT40	MCS0	2	151	5755	19.70	19.00	22.37	30.00		2.90		Pass
VHT40	MCS0	2	159	5795	19.80	19.60	22.71	30.00		2.90		Pass
VHT80	MCS0	2	155	5775	19.80	19.40	22.61	30.00		2.90		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 4	Ant 5	Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
11a	6Mbps	2	149	5745	2.22		8.95	8.14	11.96	30.00		3.04		Pass
11a	6Mbps	2	157	5785	2.22		8.32	8.03	11.33	30.00		3.04		Pass
11a	6Mbps	2	165	5825	2.22		8.41	8.46	11.47	30.00		3.04		Pass

Note: PSD Sum = Max PSD(Ant. 4, Ant. 5) + 10 log (n)

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

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	149	5745	Full	26.72	19.78	57.90	68.69	18.63	18.78	0.5	Pass
HE20	MCS0	2	157	5785	Full	27.02	24.08	67.79	58.98	18.38	18.38	0.5	Pass
HE20	MCS0	2	165	5825	Full	24.28	28.42	56.91	63.21	18.38	18.68	0.5	Pass
HE40	MCS0	2	151	5755	Full	48.05	38.36	96.74	61.86	37.76	37.31	0.5	Pass
HE40	MCS0	2	159	5795	Full	47.65	44.26	89.31	86.91	37.76	36.95	0.5	Pass
HE80	MCS0	2	155	5775	Full	80.44	79.96	210.51	177.18	75.92	77.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	149	5745	Full	19.80	19.50	22.66	30.00		2.90		Pass
HE20	MCS0	2	149	5745	26/0	12.60	12.00	15.32	30.00		2.90		Pass
HE20	MCS0	2	149	5745	52/37	15.80	15.00	18.43	30.00		2.90		Pass
HE20	MCS0	2	149	5745	106/53	18.20	17.80	21.01	30.00		2.90		Pass
HE20	MCS0	2	157	5785	Full	19.80	19.90	22.86	30.00		2.90		Pass
HE20	MCS0	2	157	5785	26/4	13.00	13.10	16.06	30.00		2.90		Pass
HE20	MCS0	2	157	5785	52/38	15.50	15.80	18.66	30.00		2.90		Pass
HE20	MCS0	2	157	5785	106/53	18.20	18.40	21.31	30.00		2.90		Pass
HE20	MCS0	2	165	5825	Full	19.50	19.90	22.71	30.00		2.90		Pass
HE20	MCS0	2	165	5825	26/8	12.20	12.90	15.57	30.00		2.90		Pass
HE20	MCS0	2	165	5825	52/40	14.80	15.50	18.17	30.00		2.90		Pass
HE20	MCS0	2	165	5825	106/54	17.80	18.50	21.17	30.00		2.90		Pass
HE40	MCS0	2	151	5755	Full	19.80	19.00	22.43	30.00		2.90		Pass
HE40	MCS0	2	151	5755	242/61	18.30	17.70	21.02	30.00		2.90		Pass
HE40	MCS0	2	159	5795	Full	19.90	19.60	22.76	30.00		2.90		Pass
HE40	MCS0	2	159	5795	242/62	18.70	19.10	21.91	30.00		2.90		Pass
HE80	MCS0	2	155	5775	Full	19.80	19.50	22.66	30.00		2.90		Pass
HE80	MCS0	2	155	5775	484/65	19.40	19.40	22.41	30.00		2.90		Pass
HE80	MCS0	2	155	5775	484/66	19.10	19.40	22.26	30.00		2.90		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 5	Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	149	5745	Full	2.22	8.64	7.71	11.65	30.00	3.04	3.04	Pass		
HE20	MCS0	2	149	5745	26/0	2.22	8.15	7.62	11.16	30.00	3.04	3.04	Pass		
HE20	MCS0	2	149	5745	52/37	2.22	8.38	7.66	11.39	30.00	3.04	3.04	Pass		
HE20	MCS0	2	149	5745	106/53	2.22	8.18	7.26	11.19	30.00	3.04	3.04	Pass		
HE20	MCS0	2	157	5785	Full	2.22	8.25	8.40	11.41	30.00	3.04	3.04	Pass		
HE20	MCS0	2	157	5785	26/4	2.22	8.16	8.35	11.36	30.00	3.04	3.04	Pass		
HE20	MCS0	2	157	5785	52/38	2.22	8.13	8.38	11.39	30.00	3.04	3.04	Pass		
HE20	MCS0	2	157	5785	106/53	2.22	8.22	8.06	11.23	30.00	3.04	3.04	Pass		
HE20	MCS0	2	165	5825	Full	2.22	8.40	7.97	11.41	30.00	3.04	3.04	Pass		
HE20	MCS0	2	165	5825	26/8	2.22	7.73	8.31	11.32	30.00	3.04	3.04	Pass		
HE20	MCS0	2	165	5825	52/40	2.22	7.42	8.10	11.11	30.00	3.04	3.04	Pass		
HE20	MCS0	2	165	5825	106/54	2.22	7.81	8.30	11.31	30.00	3.04	3.04	Pass		
HE40	MCS0	2	151	5755	Full	2.22	5.28	3.98	8.29	30.00	3.04	3.04	Pass		
HE40	MCS0	2	151	5755	242/61	2.22	4.88	3.88	7.89	30.00	3.04	3.04	Pass		
HE40	MCS0	2	159	5795	Full	2.22	5.84	5.08	8.85	30.00	3.04	3.04	Pass		
HE40	MCS0	2	159	5795	242/62	2.22	5.47	5.59	8.60	30.00	3.04	3.04	Pass		
HE80	MCS0	2	155	5775	Full	2.22	3.19	2.43	6.20	30.00	3.04	3.04	Pass		
HE80	MCS0	2	155	5775	484/65	2.22	2.73	2.80	5.81	30.00	3.04	3.04	Pass		
HE80	MCS0	2	155	5775	484/66	2.22	2.77	2.74	5.78	30.00	3.04	3.04	Pass		

Note: PSD Sum = Max PSD(Ant. 4, Ant. 5) + 10 log (n)

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 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	149	5745	18.93	16.48	52.83	26.13	16.33	16.33	0.5	Pass
11a	6Mbps	2	157	5785	17.88	16.68	48.99	42.68	16.23	16.28	0.5	Pass
11a	6Mbps	2	165	5825	16.88	16.98	37.48	45.63	16.33	16.28	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
11a	6Mbps	2	149	5745	19.90	19.00	22.48	30.00		3.00		Pass
11a	6Mbps	2	157	5785	19.80	19.50	22.66	30.00		3.00		Pass
11a	6Mbps	2	165	5825	19.60	19.50	22.56	30.00		3.00		Pass
HT20	MCS0	2	149	5745	19.80	18.90	22.38	30.00		3.00		Pass
HT20	MCS0	2	157	5785	19.70	19.40	22.56	30.00		3.00		Pass
HT20	MCS0	2	165	5825	19.80	19.80	22.81	30.00		3.00		Pass
HT40	MCS0	2	151	5755	19.70	18.40	22.11	30.00		3.00		Pass
HT40	MCS0	2	159	5795	19.70	19.40	22.56	30.00		3.00		Pass
VHT20	MCS0	2	149	5745	19.80	18.90	22.38	30.00		3.00		Pass
VHT20	MCS0	2	157	5785	19.70	19.40	22.56	30.00		3.00		Pass
VHT20	MCS0	2	165	5825	19.80	19.80	22.81	30.00		3.00		Pass
VHT40	MCS0	2	151	5755	19.70	18.40	22.11	30.00		3.00		Pass
VHT40	MCS0	2	159	5795	19.70	19.40	22.56	30.00		3.00		Pass
VHT80	MCS0	2	155	5775	19.80	19.40	22.61	30.00		3.00		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 6	Ant 5	Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
11a	6Mbps	2	149	5745	2.22		8.66	7.89	11.67	30.00		5.96		Pass
11a	6Mbps	2	157	5785	2.22		8.92	8.66	11.93	30.00		5.96		Pass
11a	6Mbps	2	165	5825	2.22		8.84	8.64	11.85	30.00		5.96		Pass

Note: PSD Sum = Max PSD(Ant. 6, Ant. 5) + 10 log (n)

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

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5		
HE20	MCS0	2	149	5745	Full	19.83	19.23	64.02	46.99	18.88	18.63	0.5	Pass
HE20	MCS0	2	157	5785	Full	21.48	20.23	55.31	58.58	18.73	18.93	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.63	20.33	51.23	61.94	18.83	18.83	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.36	37.96	62.22	41.96	37.67	37.58	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.36	38.26	68.21	53.47	37.76	37.40	0.5	Pass
HE80	MCS0	2	155	5775	Full	79.84	79.12	161.36	144.82	77.20	77.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	149	5745	Full	19.80	19.00	22.43	30.00		3.00		Pass
HE20	MCS0	2	149	5745	26/0	12.00	10.50	14.32	30.00		3.00		Pass
HE20	MCS0	2	149	5745	52/37	14.40	13.10	16.81	30.00		3.00		Pass
HE20	MCS0	2	149	5745	106/53	17.50	16.30	19.95	30.00		3.00		Pass
HE20	MCS0	2	157	5785	Full	19.70	19.50	22.61	30.00		3.00		Pass
HE20	MCS0	2	157	5785	26/4	11.90	11.60	14.76	30.00		3.00		Pass
HE20	MCS0	2	157	5785	52/38	14.80	14.40	17.61	30.00		3.00		Pass
HE20	MCS0	2	157	5785	106/53	17.50	16.90	20.22	30.00		3.00		Pass
HE20	MCS0	2	165	5825	Full	19.90	19.80	22.86	30.00		3.00		Pass
HE20	MCS0	2	165	5825	26/8	12.50	12.60	15.56	30.00		3.00		Pass
HE20	MCS0	2	165	5825	52/40	15.50	15.60	18.56	30.00		3.00		Pass
HE20	MCS0	2	165	5825	106/54	18.00	18.00	21.01	30.00		3.00		Pass
HE40	MCS0	2	151	5755	Full	19.70	18.50	22.15	30.00		3.00		Pass
HE40	MCS0	2	151	5755	242/61	18.40	17.40	20.94	30.00		3.00		Pass
HE40	MCS0	2	159	5795	Full	19.70	19.50	22.61	30.00		3.00		Pass
HE40	MCS0	2	159	5795	242/62	18.40	18.30	21.36	30.00		3.00		Pass
HE80	MCS0	2	155	5775	Full	19.90	19.80	22.86	30.00		3.00		Pass
HE80	MCS0	2	155	5775	484/65	19.20	18.70	21.97	30.00		3.00		Pass
HE80	MCS0	2	155	5775	484/66	18.90	18.60	21.76	30.00		3.00		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 5	Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	149	5745	Full	2.22	8.48	7.94	11.49	30.00	5.96	Pass			
HE20	MCS0	2	149	5745	26/0	2.22	8.40	6.67	11.41	30.00	5.96	Pass			
HE20	MCS0	2	149	5745	52/37	2.22	8.02	6.90	11.03	30.00	5.96	Pass			
HE20	MCS0	2	149	5745	106/53	2.22	8.29	6.97	11.30	30.00	5.96	Pass			
HE20	MCS0	2	157	5785	Full	2.22	8.55	8.44	11.56	30.00	5.96	Pass			
HE20	MCS0	2	157	5785	26/4	2.22	8.17	7.99	11.18	30.00	5.96	Pass			
HE20	MCS0	2	157	5785	52/38	2.22	8.15	8.14	11.16	30.00	5.96	Pass			
HE20	MCS0	2	157	5785	106/53	2.22	8.19	7.35	11.20	30.00	5.96	Pass			
HE20	MCS0	2	165	5825	Full	2.22	9.05	8.70	12.06	30.00	5.96	Pass			
HE20	MCS0	2	165	5825	26/8	2.22	8.70	8.97	11.98	30.00	5.96	Pass			
HE20	MCS0	2	165	5825	52/40	2.22	8.97	8.84	11.98	30.00	5.96	Pass			
HE20	MCS0	2	165	5825	106/54	2.22	8.61	8.67	11.68	30.00	5.96	Pass			
HE40	MCS0	2	151	5755	Full	2.22	5.81	4.50	8.82	30.00	5.96	Pass			
HE40	MCS0	2	151	5755	242/61	2.22	5.39	4.23	8.40	30.00	5.96	Pass			
HE40	MCS0	2	159	5795	Full	2.22	5.74	5.43	8.75	30.00	5.96	Pass			
HE40	MCS0	2	159	5795	242/62	2.22	5.24	5.14	8.25	30.00	5.96	Pass			
HE80	MCS0	2	155	5775	Full	2.22	3.40	3.06	6.41	30.00	5.96	Pass			
HE80	MCS0	2	155	5775	484/65	2.22	3.34	2.72	6.35	30.00	5.96	Pass			
HE80	MCS0	2	155	5775	484/66	2.22	3.02	2.79	6.03	30.00	5.96	Pass			

Note: PSD Sum = Max PSD(Ant. 6, Ant. 5) + 10 log (n)



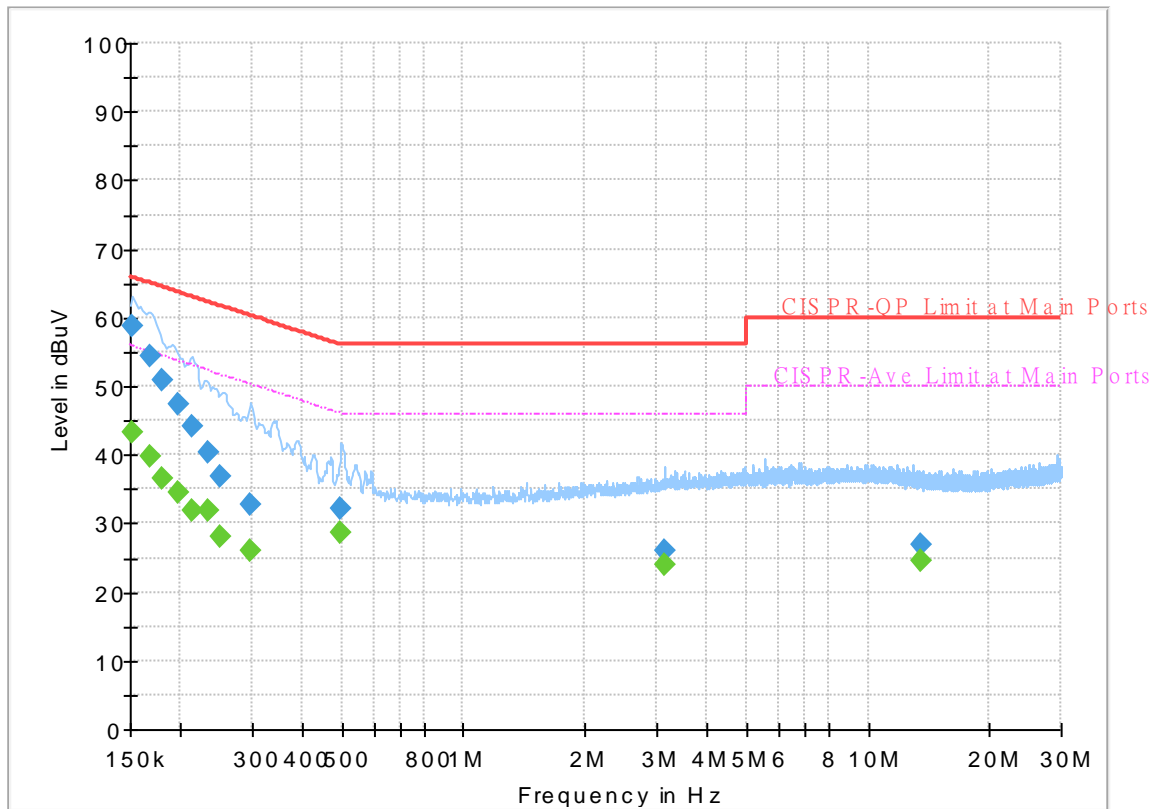
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee and Howard Huang	Temperature :	23~26°C
		Relative Humidity :	40~50%

EUT Information

Report NO : 082114
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

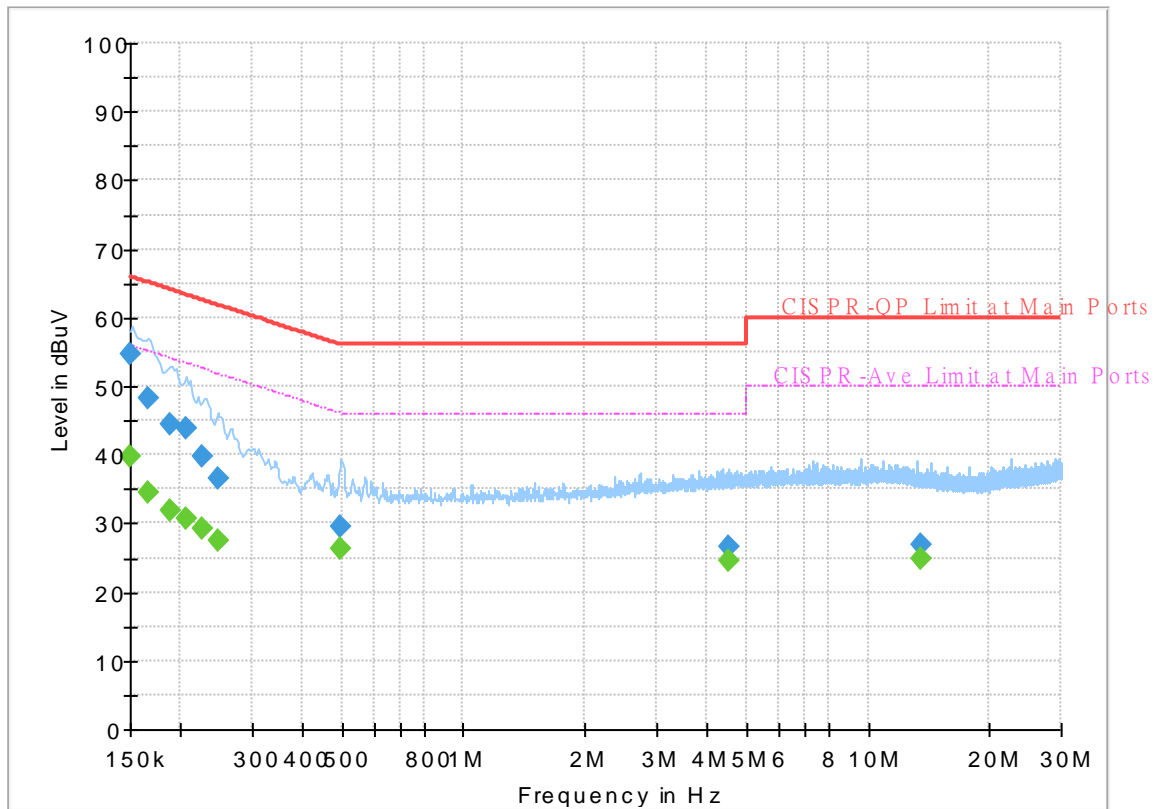
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	43.41	55.88	12.47	L1	OFF	19.6
0.152250	58.70	---	65.88	7.18	L1	OFF	19.6
0.167460	---	39.73	55.09	15.36	L1	OFF	19.6
0.167460	54.29	---	65.09	10.80	L1	OFF	19.6
0.180240	---	36.57	54.48	17.91	L1	OFF	19.6
0.180240	50.82	---	64.48	13.66	L1	OFF	19.6
0.197250	---	34.47	53.73	19.26	L1	OFF	19.6
0.197250	47.46	---	63.73	16.27	L1	OFF	19.6
0.213000	---	31.81	53.09	21.28	L1	OFF	19.5
0.213000	44.24	---	63.09	18.85	L1	OFF	19.5
0.233160	---	32.01	52.34	20.33	L1	OFF	19.5
0.233160	40.38	---	62.34	21.96	L1	OFF	19.5
0.251250	---	27.95	51.72	23.77	L1	OFF	19.5
0.251250	36.75	---	61.72	24.97	L1	OFF	19.5
0.298500	---	25.96	50.28	24.32	L1	OFF	19.5
0.298500	32.60	---	60.28	27.68	L1	OFF	19.5
0.498480	---	28.55	46.03	17.48	L1	OFF	19.5
0.498480	32.28	---	56.03	23.75	L1	OFF	19.5
3.140250	---	23.89	46.00	22.11	L1	OFF	19.7
3.140250	26.05	---	56.00	29.95	L1	OFF	19.7
13.560000	---	24.68	50.00	25.32	L1	OFF	20.1

13.560000	26.98	---	60.00	33.02	L1	OFF	20.1
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EUT Information

Report NO : 082114
 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)
0.150000	---	39.64	56.00	16.36	N	OFF	19.6
0.150000	54.63	---	66.00	11.37	N	OFF	19.6
0.166200	---	34.42	55.15	20.73	N	OFF	19.6
0.166200	48.21	---	65.15	16.94	N	OFF	19.6
0.189420	---	31.78	54.06	22.28	N	OFF	19.6
0.189420	44.34	---	64.06	19.72	N	OFF	19.6
0.205890	---	30.82	53.37	22.55	N	OFF	19.6
0.205890	43.76	---	63.37	19.61	N	OFF	19.6
0.226500	---	29.17	52.58	23.41	N	OFF	19.6
0.226500	39.82	---	62.58	22.76	N	OFF	19.6
0.246750	---	27.38	51.87	24.49	N	OFF	19.6
0.246750	36.54	---	61.87	25.33	N	OFF	19.6
0.495780	---	26.33	46.07	19.74	N	OFF	19.6
0.495780	29.57	---	56.07	26.50	N	OFF	19.6
4.522020	---	24.51	46.00	21.49	N	OFF	19.8
4.522020	26.54	---	56.00	29.46	N	OFF	19.8
13.560000	---	24.72	50.00	25.28	N	OFF	20.2
13.560000	26.92	---	60.00	33.08	N	OFF	20.2



Appendix C. Radiated Spurious Emission

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

<Normal Mode>

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

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
4+5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 149 5745MHz		5647.6	55.47	-12.73	68.2	39.23	31.6	13.68	29.04	220	54	P	H	
		5698	56.34	-47.39	103.73	39.94	31.7	13.73	29.03	220	54	P	H	
		5719	67.99	-42.53	110.52	51.46	31.81	13.75	29.03	220	54	P	H	
		5724.2	73.21	-47.17	120.38	56.64	31.85	13.75	29.03	220	54	P	H	
	*	5745	114.91	-	-	98.19	31.97	13.77	29.02	220	54	P	H	
	*	5745	106.52	-	-	89.8	31.97	13.77	29.02	220	54	A	H	
														H
														H
			5640.6	55.17	-13.03	68.2	38.92	31.62	13.68	29.05	293	355	P	V
			5697	63.4	-39.59	102.99	47.01	31.69	13.73	29.03	293	355	P	V
			5720	73.75	-37.05	110.8	57.21	31.82	13.75	29.03	293	355	P	V
			5724.4	78.51	-42.32	120.83	61.94	31.85	13.75	29.03	293	355	P	V
	*		5745	109.81	-	-	93.09	31.97	13.77	29.02	293	355	P	V
	*		5745	102.15	-	-	85.43	31.97	13.77	29.02	293	355	A	V
													V	
													V	



WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 157 5785MHz		5634	55.14	-13.06	68.2	38.89	31.63	13.67	29.05	222	55	P	H	
		5687.6	55.52	-40.53	96.05	39.15	31.68	13.72	29.03	222	55	P	H	
		5705	54.96	-51.64	106.6	38.53	31.73	13.73	29.03	222	55	P	H	
		5722.2	54.97	-60.85	115.82	38.42	31.83	13.75	29.03	222	55	P	H	
	*	5785	115.26	-	-	98.46	32	13.81	29.01	222	55	P	H	
	*	5785	96.67	-	-	79.87	32	13.81	29.01	222	55	A	H	
		5851.6	55.67	-62.88	118.55	38.76	32.1	13.81	29	222	55	P	H	
		5869.6	55.91	-50.8	106.71	38.95	32.14	13.81	28.99	222	55	P	H	
		5903.6	56.92	-27.08	84	39.88	32.21	13.81	28.98	222	55	P	H	
		5937.6	55.77	-12.43	68.2	38.65	32.28	13.81	28.97	222	55	P	H	
														H
														H
			5603.8	54.53	-13.67	68.2	38.26	31.69	13.64	29.06	298	348	P	V
			5687.6	55.08	-40.97	96.05	38.71	31.68	13.72	29.03	298	348	P	V
			5715.8	54.94	-54.69	109.63	38.44	31.79	13.74	29.03	298	348	P	V
			5724.8	54.67	-67.07	121.74	38.1	31.85	13.75	29.03	298	348	P	V
	*		5785	108.85	-	-	92.05	32	13.81	29.01	298	348	P	V
	*		5785	101.69	-	-	84.89	32	13.81	29.01	298	348	A	V
			5854	54.94	-58.14	113.08	38.02	32.11	13.81	29	298	348	P	V
			5866.2	55.86	-51.8	107.66	38.91	32.13	13.81	28.99	298	348	P	V
		5879.2	55.37	-46.71	102.08	38.39	32.16	13.81	28.99	298	348	P	V	
		5933.2	56.33	-11.87	68.2	39.23	32.27	13.81	28.98	298	348	P	V	
													V	
													V	



WiFi Ant. 4+5	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	115.7	-	-	98.83	32.05	13.82	29	224	55	P	H	
	*	5825	106.82	-	-	89.95	32.05	13.82	29	224	55	A	H	
		5850	69.94	-52.26	122.2	53.03	32.1	13.81	29	224	55	P	H	
		5857.8	66.01	-44	110.01	49.07	32.12	13.81	28.99	224	55	P	H	
		5875.2	61.79	-43.26	105.05	44.82	32.15	13.81	28.99	224	55	P	H	
		5939.4	55.47	-12.73	68.2	38.35	32.28	13.81	28.97	224	55	P	H	
														H
														H
	*	5825	109.26	-	-	92.39	32.05	13.82	29	290	348	348	P	V
	*	5825	101.96	-	-	85.09	32.05	13.82	29	290	348	348	A	V
		5850	69.65	-52.55	122.2	52.74	32.1	13.81	29	290	348	348	P	V
		5856.8	65.98	-44.32	110.3	49.05	32.11	13.81	28.99	290	348	348	P	V
		5876.6	59.45	-44.56	104.01	42.48	32.15	13.81	28.99	290	348	348	P	V
		5933.2	56.1	-12.1	68.2	39	32.27	13.81	28.98	290	348	348	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 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	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	53.9	-20.1	74	55.09	39.91	20.11	61.21	277	335	P	H
		11490	44.04	-9.96	54	45.23	39.91	20.11	61.21	277	335	A	H
		17235	49.86	-18.34	68.2	43.29	40.9	25.16	59.49	100	0	P	H
		17868	55.29	-18.71	74	40.52	46.59	25.41	57.23	100	0	P	H
		11490	49.69	-24.31	74	50.88	39.91	20.11	61.21	100	0	P	V
		17235	49.87	-18.33	68.2	43.3	40.9	25.16	59.49	100	0	P	V
		17824	54.86	-19.14	74	41.12	45.76	25.38	57.4	100	0	P	V
		17824	44.2	-9.8	54	30.46	45.76	25.38	57.4	100	0	A	V
802.11a CH 157 5785MHz		11570	51.48	-22.52	74	52.75	39.76	20.18	61.21	275	338	P	H
		11570	41.63	-12.37	54	42.9	39.76	20.18	61.21	275	338	A	H
		17355	50.48	-17.72	68.2	42.81	41.6	25.21	59.14	100	0	P	H
		17956	57.38	-16.62	74	40.44	48.38	25.44	56.88	100	0	P	H
		11570	49.89	-24.11	74	51.16	39.76	20.18	61.21	100	0	P	V
		17355	49.71	-18.49	68.2	42.04	41.6	25.21	59.14	100	0	P	V
		17956	57.55	-16.45	74	40.61	48.38	25.44	56.88	100	0	P	V
		17956	46.98	-7.02	54	30.04	48.38	25.44	56.88	100	0	A	V
802.11a CH 165 5825MHz		11650	51.71	-22.29	74	53.16	39.55	20.23	61.23	275	339	P	H
		11650	41.13	-12.87	54	42.58	39.55	20.23	61.23	275	339	A	H
		17475	51.32	-16.88	68.2	42.4	42.45	25.25	58.78	100	0	P	H
		17956	58.37	-15.63	74	41.43	48.38	25.44	56.88	100	0	P	H
		11650	50.86	-23.14	74	52.31	39.55	20.23	61.23	106	13	P	V
		11650	39.67	-14.33	54	41.12	39.55	20.23	61.23	106	13	A	V
		17475	52.22	-15.98	68.2	43.3	42.45	25.25	58.78	100	0	P	V
		17934	57.39	-16.61	74	41.01	47.91	25.43	56.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 149 5745MHz		5640	55.83	-12.37	68.2	39.58	31.62	13.68	29.05	219	54	P	H	
		5698.8	62.04	-42.28	104.32	45.64	31.7	13.73	29.03	219	54	P	H	
		5719.6	73.03	-37.66	110.69	56.49	31.82	13.75	29.03	219	54	P	H	
		5720.8	75.9	-36.72	112.62	59.36	31.82	13.75	29.03	219	54	P	H	
	*	5745	116.48	-	-	99.76	31.97	13.77	29.02	219	54	P	H	
	*	5745	106.02	-	-	89.3	31.97	13.77	29.02	219	54	A	H	
														H
														H
			5636.8	54.62	-13.58	68.2	38.37	31.63	13.67	29.05	292	355	P	V
			5696	61.25	-41	102.25	44.86	31.69	13.73	29.03	292	355	P	V
			5718.2	72.59	-37.71	110.3	56.06	31.81	13.75	29.03	292	355	P	V
			5725	73.4	-48.8	122.2	56.83	31.85	13.75	29.03	292	355	P	V
	*		5745	112.15	-	-	95.43	31.97	13.77	29.02	292	355	P	V
	*		5745	101.94	-	-	85.22	31.97	13.77	29.02	292	355	A	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WiFi Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 165 5825MHz	*	5825	116.89	-	-	100.02	32.05	13.82	29	226	54	P	H	
	*	5825	106.24	-	-	89.37	32.05	13.82	29	226	54	A	H	
		5850.4	71.81	-49.48	121.29	54.9	32.1	13.81	29	226	54	P	H	
		5856.8	66.49	-43.81	110.3	49.56	32.11	13.81	28.99	226	54	P	H	
		5890.6	56.94	-36.68	93.62	39.94	32.18	13.81	28.99	226	54	P	H	
		5941.4	55.81	-12.39	68.2	38.69	32.28	13.81	28.97	226	54	P	H	
														H
														H
	*	5825	111.09	-	-	94.22	32.05	13.82	29	303	349	P	V	
	*	5825	101.29	-	-	84.42	32.05	13.82	29	303	349	A	V	
		5853	71.45	-43.91	115.36	54.53	32.11	13.81	29	303	349	P	V	
		5856.8	67.37	-42.93	110.3	50.44	32.11	13.81	28.99	303	349	P	V	
		5876.2	61.33	-42.98	104.31	44.36	32.15	13.81	28.99	303	349	P	V	
		5938.2	55.7	-12.5	68.2	38.58	32.28	13.81	28.97	303	349	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. 4+5	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		5602.4	55.44	-12.76	68.2	39.16	31.7	13.64	29.06	293	51	P	H	
		5691.2	55.81	-42.9	98.71	39.44	31.68	13.72	29.03	293	51	P	H	
		5719.4	59.07	-51.56	110.63	42.53	31.82	13.75	29.03	293	51	P	H	
		5723.2	69.24	-48.86	118.1	52.68	31.84	13.75	29.03	293	51	P	H	
	*	5745	115.69	-	-	98.97	31.97	13.77	29.02	293	51	P	H	
	*	5745	105.82	-	-	89.1	31.97	13.77	29.02	293	51	A	H	
														H
														H
			5605.8	55.36	-12.84	68.2	39.07	31.69	13.65	29.05	196	349	P	V
			5678	55.27	-33.69	88.96	38.94	31.66	13.71	29.04	196	349	P	V
			5719	59.43	-51.09	110.52	42.9	31.81	13.75	29.03	196	349	P	V
			5722.6	64.18	-52.55	116.73	47.62	31.84	13.75	29.03	196	349	P	V
	*		5745	111.16	-	-	94.44	31.97	13.77	29.02	196	349	P	V
	*		5745	102.99	-	-	86.27	31.97	13.77	29.02	196	349	A	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	115.36	-	-	98.49	32.05	13.82	29	271	48	P	H	
	*	5825	106.62	-	-	89.75	32.05	13.82	29	271	48	A	H	
		5850	65.31	-56.89	122.2	48.4	32.1	13.81	29	271	48	P	H	
		5857	61.42	-48.82	110.24	44.49	32.11	13.81	28.99	271	48	P	H	
		5902.6	56.8	-27.94	84.74	39.76	32.21	13.81	28.98	271	48	P	H	
		5940.2	55.99	-12.21	68.2	38.87	32.28	13.81	28.97	271	48	P	H	
														H
														H
	*	5825	112.61	-	-	95.74	32.05	13.82	29	211	351	351	P	V
	*	5825	103.58	-	-	86.71	32.05	13.82	29	211	351	351	A	V
		5850.8	63.48	-56.9	120.38	46.57	32.1	13.81	29	211	351	351	P	V
		5857.2	58.34	-51.84	110.18	41.41	32.11	13.81	28.99	211	351	351	P	V
		5915	56.75	-18.82	75.57	39.69	32.23	13.81	28.98	211	351	351	P	V
		5932.8	56.46	-11.74	68.2	39.36	32.27	13.81	28.98	211	351	351	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 4+5	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)
		5626.4	56.93	-11.27	68.2	40.67	31.65	13.66	29.05	223	55	P	H
		5697.6	68.06	-35.37	103.43	51.66	31.7	13.73	29.03	223	55	P	H
		5711.6	72.09	-36.36	108.45	55.61	31.77	13.74	29.03	223	55	P	H
		5721.8	72.43	-42.47	114.9	55.88	31.83	13.75	29.03	223	55	P	H
	*	5755	112.92	-	-	96.16	32	13.78	29.02	223	55	P	H
	*	5755	103.06	-	-	86.3	32	13.78	29.02	223	55	A	H
		5851.2	55.71	-63.75	119.46	38.8	32.1	13.81	29	223	55	P	H
		5859	56.41	-53.27	109.68	39.47	32.12	13.81	28.99	223	55	P	H
		5902.2	56.9	-28.13	85.03	39.87	32.2	13.81	28.98	223	55	P	H
		5925.4	55.06	-13.14	68.2	37.98	32.25	13.81	28.98	223	55	P	H
802.11ax													H
HE40 Full													H
CH 151		5621	56.04	-12.16	68.2	39.77	31.66	13.66	29.05	299	357	P	V
5755MHz		5698.2	63.17	-40.7	103.87	46.77	31.7	13.73	29.03	299	357	P	V
		5705.6	67.26	-39.51	106.77	50.82	31.73	13.74	29.03	299	357	P	V
		5724.2	69.27	-51.11	120.38	52.7	31.85	13.75	29.03	299	357	P	V
	*	5755	108.42	-	-	91.66	32	13.78	29.02	299	357	P	V
	*	5755	98.71	-	-	81.95	32	13.78	29.02	299	357	A	V
		5854.4	55.37	-56.8	112.17	38.44	32.11	13.81	28.99	299	357	P	V
		5855.2	55.74	-55	110.74	38.81	32.11	13.81	28.99	299	357	P	V
		5918.6	55.82	-17.1	72.92	38.75	32.24	13.81	28.98	299	357	P	V
		5926.8	56.35	-11.85	68.2	39.27	32.25	13.81	28.98	299	357	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 4+5	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)
		5645	55.55	-12.65	68.2	39.31	31.61	13.68	29.05	223	55	P	H
		5668	58.09	-23.47	81.56	41.79	31.64	13.7	29.04	223	55	P	H
		5710.8	61.38	-46.85	108.23	44.91	31.76	13.74	29.03	223	55	P	H
		5720.4	63.85	-47.86	111.71	47.31	31.82	13.75	29.03	223	55	P	H
	*	5795	113.26	-	-	96.45	32	13.82	29.01	223	55	P	H
	*	5795	103.48	-	-	86.67	32	13.82	29.01	223	55	A	H
		5851	69.45	-50.47	119.92	52.54	32.1	13.81	29	223	55	P	H
		5857.4	65.39	-44.74	110.13	48.46	32.11	13.81	28.99	223	55	P	H
		5876	60.5	-43.96	104.46	43.53	32.15	13.81	28.99	223	55	P	H
		5949.8	56.83	-11.37	68.2	39.69	32.3	13.81	28.97	223	55	P	H
802.11ax													H
HE40 Full													H
CH 159		5632.4	54.77	-13.43	68.2	38.51	31.64	13.67	29.05	215	349	P	V
5795MHz		5693.4	60.34	-39.99	100.33	43.96	31.69	13.72	29.03	215	349	P	V
		5711.2	62.95	-45.39	108.34	46.47	31.77	13.74	29.03	215	349	P	V
		5723.6	62.2	-56.81	119.01	45.64	31.84	13.75	29.03	215	349	P	V
	*	5795	108.72	-	-	91.91	32	13.82	29.01	215	349	P	V
	*	5795	99.45	-	-	82.64	32	13.82	29.01	215	349	A	V
		5851.2	64.59	-54.87	119.46	47.68	32.1	13.81	29	215	349	P	V
		5863.4	67.7	-40.75	108.45	50.75	32.13	13.81	28.99	215	349	P	V
		5888.2	60.98	-34.42	95.4	43.98	32.18	13.81	28.99	215	349	P	V
		5941.8	55.91	-12.29	68.2	38.79	32.28	13.81	28.97	215	349	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. 4+5	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)
		5611.6	55.59	-12.61	68.2	39.31	31.68	13.65	29.05	264	49	P	H
		5689	60.37	-36.72	97.09	44	31.68	13.72	29.03	264	49	P	H
		5717	77.26	-32.7	109.96	60.74	31.8	13.75	29.03	264	49	P	H
		5723.4	78.32	-40.23	118.55	61.76	31.84	13.75	29.03	264	49	P	H
	*	5755	113.09	-	-	96.33	32	13.78	29.02	264	49	P	H
	*	5755	102.97	-	-	86.21	32	13.78	29.02	264	49	A	H
		5851.4	56.35	-62.66	119.01	39.44	32.1	13.81	29	264	49	P	H
		5864.6	56.52	-51.59	108.11	39.57	32.13	13.81	28.99	264	49	P	H
		5888.2	56.43	-38.97	95.4	39.43	32.18	13.81	28.99	264	49	P	H
		5944.4	56.41	-11.79	68.2	39.28	32.29	13.81	28.97	264	49	P	H
802.11ax													H
HE40													H
Partial													H
242/61		5648	55.03	-13.17	68.2	38.79	31.6	13.68	29.04	299	349	P	V
CH 151		5690.6	57.8	-40.47	98.27	41.43	31.68	13.72	29.03	299	349	P	V
5755MHz		5719.8	73.38	-37.36	110.74	56.84	31.82	13.75	29.03	299	349	P	V
		5725	76.39	-45.81	122.2	59.82	31.85	13.75	29.03	299	349	P	V
	*	5755	108.24	-	-	91.48	32	13.78	29.02	299	349	P	V
	*	5755	99.84	-	-	83.08	32	13.78	29.02	299	349	A	V
		5851.6	55.62	-62.93	118.55	38.71	32.1	13.81	29	299	349	P	V
		5860.2	56.24	-53.1	109.34	39.3	32.12	13.81	28.99	299	349	P	V
		5891.6	56.99	-35.89	92.88	39.99	32.18	13.81	28.99	299	349	P	V
		5920.2	56.84	-14.9	71.74	39.77	32.24	13.81	28.98	299	349	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WiFi Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Partial 242/62 CH 159 5795MHz		5605.6	54.7	-13.5	68.2	38.41	31.69	13.65	29.05	260	52	P	H	
		5684.6	55.43	-38.41	93.84	39.08	31.67	13.72	29.04	260	52	P	H	
		5719.8	59.8	-50.94	110.74	43.26	31.82	13.75	29.03	260	52	P	H	
		5722.6	62.33	-54.4	116.73	45.77	31.84	13.75	29.03	260	52	P	H	
	*	5795	113.79	-	-	96.98	32	13.82	29.01	260	52	P	H	
	*	5795	104.38	-	-	87.57	32	13.82	29.01	260	52	A	H	
		5853.4	64.99	-49.46	114.45	48.07	32.11	13.81	29	260	52	P	H	
		5867.6	63.48	-43.79	107.27	46.52	32.14	13.81	28.99	260	52	P	H	
		5893.2	57.49	-34.21	91.7	40.48	32.19	13.81	28.99	260	52	P	H	
		5948.4	56.41	-11.79	68.2	39.27	32.3	13.81	28.97	260	52	P	H	
														H
														H
			5635.4	54.79	-13.41	68.2	38.54	31.63	13.67	29.05	202	347	P	V
			5697.4	57.01	-46.27	103.28	40.62	31.69	13.73	29.03	202	347	P	V
			5718.4	58.82	-51.53	110.35	42.29	31.81	13.75	29.03	202	347	P	V
			5722	60.15	-55.21	115.36	43.6	31.83	13.75	29.03	202	347	P	V
	*		5795	111	-	-	94.19	32	13.82	29.01	202	347	P	V
	*		5795	101.65	-	-	84.84	32	13.82	29.01	202	347	A	V
			5852.2	63.68	-53.5	117.18	46.77	32.1	13.81	29	202	347	P	V
			5857	61.52	-48.72	110.24	44.59	32.11	13.81	28.99	202	347	P	V
		5887.8	56.32	-39.38	95.7	39.32	32.18	13.81	28.99	202	347	P	V	
		5925.4	55.43	-12.77	68.2	38.35	32.25	13.81	28.98	202	347	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 4+5	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)
		5650	65.12	-3.08	68.2	48.87	31.6	13.69	29.04	227	54	P	H
		5699.8	72.77	-32.28	105.05	56.37	31.7	13.73	29.03	227	54	P	H
		5718	76.88	-33.36	110.24	60.35	31.81	13.75	29.03	227	54	P	H
		5723.6	76.14	-42.87	119.01	59.58	31.84	13.75	29.03	227	54	P	H
	*	5775	111.37	-	-	94.58	32	13.8	29.01	227	54	P	H
	*	5775	100.82	-	-	84.03	32	13.8	29.01	227	54	A	H
		5850	72.52	-49.68	122.2	55.61	32.1	13.81	29	227	54	P	H
		5856	69.56	-40.96	110.52	52.63	32.11	13.81	28.99	227	54	P	H
		5881.8	65.76	-34.39	100.15	48.78	32.16	13.81	28.99	227	54	P	H
		5926.8	60.62	-7.58	68.2	43.54	32.25	13.81	28.98	227	54	P	H
802.11ax													H
HE80 Full													H
CH 155		5648.2	62.96	-5.24	68.2	46.72	31.6	13.68	29.04	213	348	P	V
5775MHz		5698.6	67.92	-36.25	104.17	51.52	31.7	13.73	29.03	213	348	P	V
		5710.8	70.41	-37.82	108.23	53.94	31.76	13.74	29.03	213	348	P	V
		5722.6	72.16	-44.57	116.73	55.6	31.84	13.75	29.03	213	348	P	V
	*	5775	106.16	-	-	89.37	32	13.8	29.01	213	348	P	V
	*	5775	96.59	-	-	79.8	32	13.8	29.01	213	348	A	V
		5851	67.03	-52.89	119.92	50.12	32.1	13.81	29	213	348	P	V
		5860.6	66.23	-43	109.23	49.29	32.12	13.81	28.99	213	348	P	V
		5875.4	60.92	-43.98	104.9	43.95	32.15	13.81	28.99	213	348	P	V
		5935.2	56.46	-11.74	68.2	39.36	32.27	13.81	28.98	213	348	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. 4+5	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)
		5647.6	58.17	-10.03	68.2	41.93	31.6	13.68	29.04	260	49	P	H
		5688.4	75.13	-21.51	96.64	58.76	31.68	13.72	29.03	260	49	P	H
		5717.2	79.57	-30.45	110.02	63.05	31.8	13.75	29.03	260	49	P	H
		5724	80.21	-39.71	119.92	63.65	31.84	13.75	29.03	260	49	P	H
	*	5775	111.36	-	-	94.57	32	13.8	29.01	260	49	P	H
	*	5775	101.53	-	-	84.74	32	13.8	29.01	260	49	A	H
		5850.6	75.18	-45.65	120.83	58.27	32.1	13.81	29	260	49	P	H
		5857.2	75.92	-34.26	110.18	58.99	32.11	13.81	28.99	260	49	P	H
		5877	65.26	-38.45	103.71	48.29	32.15	13.81	28.99	260	49	P	H
802.11ax		5925.6	56.77	-11.43	68.2	39.69	32.25	13.81	28.98	260	49	P	H
HE80													H
Partial													H
484/65		5632	58.27	-9.93	68.2	42.01	31.64	13.67	29.05	199	348	P	V
CH 155		5688.2	74.83	-21.67	96.5	58.46	31.68	13.72	29.03	199	348	P	V
5775MHz		5715.4	77.37	-32.14	109.51	60.87	31.79	13.74	29.03	199	348	P	V
		5724.6	80.08	-41.21	121.29	63.51	31.85	13.75	29.03	199	348	P	V
	*	5775	107.98	-	-	91.19	32	13.8	29.01	199	348	P	V
	*	5775	98.58	-	-	81.79	32	13.8	29.01	199	348	A	V
		5850.6	72.02	-48.81	120.83	55.11	32.1	13.81	29	199	348	P	V
		5861.2	73.74	-35.32	109.06	56.8	32.12	13.81	28.99	199	348	P	V
		5877.4	63.02	-40.4	103.42	46.05	32.15	13.81	28.99	199	348	P	V
		5938.8	56.4	-11.8	68.2	39.28	32.28	13.81	28.97	199	348	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 4+5	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		5648.4	57.69	-10.51	68.2	41.45	31.6	13.68	29.04	261	51	P	H	
		5683.8	74.61	-18.64	93.25	58.26	31.67	13.72	29.04	261	51	P	H	
		5717.2	79.36	-30.66	110.02	62.84	31.8	13.75	29.03	261	51	P	H	
		5721.6	80.41	-34.04	114.45	63.86	31.83	13.75	29.03	261	51	P	H	
		5775	112.07	43.87	68.2	95.28	32	13.8	29.01	261	51	P	H	
		5775	101.72	47.72	54	84.93	32	13.8	29.01	261	51	A	H	
		5850.6	74.81	-46.02	120.83	57.9	32.1	13.81	29	261	51	P	H	
		5857.4	75.97	-34.16	110.13	59.04	32.11	13.81	28.99	261	51	P	H	
		5883.6	65.91	-32.9	98.81	48.92	32.17	13.81	28.99	261	51	P	H	
		5940.8	56.51	-11.69	68.2	39.39	32.28	13.81	28.97	261	51	P	H	
														H
														H
			5631.6	57.72	-10.48	68.2	41.46	31.64	13.67	29.05	198	344	P	V
			5688	73.83	-22.52	96.35	57.46	31.68	13.72	29.03	198	344	P	V
			5719.8	75.77	-34.97	110.74	59.23	31.82	13.75	29.03	198	344	P	V
			5723.8	77.37	-42.09	119.46	60.81	31.84	13.75	29.03	198	344	P	V
			5775	107.48	39.28	68.2	90.69	32	13.8	29.01	198	344	P	V
			5775	98.68	44.68	54	81.89	32	13.8	29.01	198	344	A	V
			5850.2	69.87	-51.87	121.74	52.96	32.1	13.81	29	198	344	P	V
			5861.4	73.74	-35.27	109.01	56.8	32.12	13.81	28.99	198	344	P	V
		5876.6	62.68	-41.33	104.01	45.71	32.15	13.81	28.99	198	344	P	V	
		5932.6	55.39	-12.81	68.2	38.29	32.27	13.81	28.98	198	344	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. 													



Emission below 1GHz
WIFI 802.11ax HE80 Full (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.		
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE80 Full LF		34.85	20.93	-19.07	40	31.51	21.41	0.77	32.76	-	-	P	H	
		93.05	22.72	-20.78	43.5	38.52	15.36	1.47	32.63	-	-	P	H	
		156.1	29.79	-13.71	43.5	43.6	16.96	2	32.77	100	0	P	H	
		183.26	22.49	-21.01	43.5	38.02	15.1	2.23	32.86	-	-	P	H	
		263.77	24.71	-21.29	46	35.05	19.61	2.73	32.68	-	-	P	H	
		366.59	24.07	-21.93	46	32.71	20.56	3.23	32.43	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			38.73	30.03	-9.97	40	42	20	0.81	32.78	100	0	P	V
			50.37	27.79	-12.21	40	45.1	14.57	0.97	32.85	-	-	P	V
			158.04	31.17	-12.33	43.5	45.11	16.82	2.02	32.78	-	-	P	V
			186.17	22.76	-20.74	43.5	38.33	15.06	2.24	32.87	-	-	P	V
			257.95	22.09	-23.91	46	32.75	19.33	2.71	32.7	-	-	P	V
			728.4	29.11	-16.89	46	29.78	27.21	4.65	32.53	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Camera Mode>

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

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
6+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 149 5745MHz		5608.2	54.79	-13.41	68.2	38.51	31.68	13.65	29.05	202	357	P	H	
		5699.8	64.49	-40.56	105.05	48.09	31.7	13.73	29.03	202	357	P	H	
		5719.8	75.43	-35.31	110.74	58.89	31.82	13.75	29.03	202	357	P	H	
		5721.6	78.64	-35.81	114.45	62.09	31.83	13.75	29.03	202	357	P	H	
	*	5745	115.54	-	-	98.82	31.97	13.77	29.02	202	357	P	H	
	*	5745	108.19	-	-	91.47	31.97	13.77	29.02	202	357	A	H	
														H
														H
			5631.6	56.09	-12.11	68.2	39.83	31.64	13.67	29.05	193	332	P	V
			5699.2	67.95	-36.66	104.61	51.55	31.7	13.73	29.03	193	332	P	V
			5719.2	77.64	-32.94	110.58	61.1	31.82	13.75	29.03	193	332	P	V
			5723.8	79.94	-39.52	119.46	63.38	31.84	13.75	29.03	193	332	P	V
	*		5745	114.54	-	-	97.82	31.97	13.77	29.02	193	332	P	V
	*		5745	107.28	-	-	90.56	31.97	13.77	29.02	193	332	A	V
														V
														V



WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 157 5785MHz		5644.2	54.65	-13.55	68.2	38.41	31.61	13.68	29.05	215	357	P	H	
		5653.4	56.23	-14.5	70.73	39.97	31.61	13.69	29.04	215	357	P	H	
		5720	56.69	-54.11	110.8	40.15	31.82	13.75	29.03	215	357	P	H	
		5720	56.69	-54.11	110.8	40.15	31.82	13.75	29.03	215	357	P	H	
	*	5785	115.76	-	-	98.96	32	13.81	29.01	215	357	P	H	
	*	5785	107.96	-	-	91.16	32	13.81	29.01	215	357	A	H	
		5851.4	55.38	-63.63	119.01	38.47	32.1	13.81	29	215	357	P	H	
		5857.6	56.21	-53.86	110.07	39.27	32.12	13.81	28.99	215	357	P	H	
		5905.2	55.57	-27.24	82.81	38.53	32.21	13.81	28.98	215	357	P	H	
		5948.8	55.44	-12.76	68.2	38.3	32.3	13.81	28.97	215	357	P	H	
														H
														H
			5609.8	54.95	-13.25	68.2	38.67	31.68	13.65	29.05	181	332	P	V
			5654.2	55.76	-15.56	71.32	39.5	31.61	13.69	29.04	181	332	P	V
			5720	56.23	-54.57	110.8	39.69	31.82	13.75	29.03	181	332	P	V
			5723.8	56.62	-62.84	119.46	40.06	31.84	13.75	29.03	181	332	P	V
	*		5785	114.68	-	-	97.88	32	13.81	29.01	181	332	P	V
	*		5785	107.2	-	-	90.4	32	13.81	29.01	181	332	A	V
			5850.4	55.86	-65.43	121.29	38.95	32.1	13.81	29	181	332	P	V
			5874.4	56.22	-49.15	105.37	39.25	32.15	13.81	28.99	181	332	P	V
		5890.4	56.48	-37.29	93.77	39.48	32.18	13.81	28.99	181	332	P	V	
		5946.6	55.54	-12.66	68.2	38.41	32.29	13.81	28.97	181	332	P	V	
													V	
													V	



WiFi Ant. 6+5	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	114.95	-	-	98.08	32.05	13.82	29	223	358	P	H	
	*	5825	107.54	-	-	90.67	32.05	13.82	29	223	358	A	H	
		5851	71.17	-48.75	119.92	54.26	32.1	13.81	29	223	358	P	H	
		5857.2	67.33	-42.85	110.18	50.4	32.11	13.81	28.99	223	358	P	H	
		5877	61.51	-42.2	103.71	44.54	32.15	13.81	28.99	223	358	P	H	
		5933.2	55.97	-12.23	68.2	38.87	32.27	13.81	28.98	223	358	P	H	
														H
														H
	*	5825	114.09	-	-	97.22	32.05	13.82	29	191	333	333	P	V
	*	5825	106.69	-	-	89.82	32.05	13.82	29	191	333	333	A	V
		5852.2	73.37	-43.81	117.18	56.46	32.1	13.81	29	191	333	333	P	V
		5860.6	69.01	-40.22	109.23	52.07	32.12	13.81	28.99	191	333	333	P	V
		5877.4	63.02	-40.4	103.42	46.05	32.15	13.81	28.99	191	333	333	P	V
		5940.4	56.27	-11.93	68.2	39.15	32.28	13.81	28.97	191	333	333	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. 6+5	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	53.58	-20.42	74	54.77	39.91	20.11	61.21	135	22	P	H
		11490	43.66	-10.34	54	44.85	39.91	20.11	61.21	135	22	A	H
		17235	51.55	-16.65	68.2	44.98	40.9	25.16	59.49	100	0	P	H
		17923	56.77	-17.23	74	40.68	47.68	25.42	57.01	100	0	P	H
		11490	49.07	-24.93	74	50.26	39.91	20.11	61.21	100	0	P	V
		17235	51.16	-17.04	68.2	44.59	40.9	25.16	59.49	100	0	P	V
		17912	56.06	-17.94	74	40.24	47.45	25.42	57.05	100	0	P	V
		17912	46.24	-7.76	54	30.42	47.45	25.42	57.05	100	0	A	V
802.11a CH 157 5785MHz		11570	52.62	-21.38	74	53.89	39.76	20.18	61.21	160	21	P	H
		11570	45.6	-8.4	54	46.87	39.76	20.18	61.21	160	21	A	H
		17355	51.56	-16.64	68.2	43.89	41.6	25.21	59.14	100	0	P	H
		17945	58.34	-15.66	74	41.68	48.15	25.43	56.92	100	0	P	H
		11570	52.89	-21.11	74	54.16	39.76	20.18	61.21	103	13	P	V
		11570	43.04	-10.96	54	44.31	39.76	20.18	61.21	103	13	A	V
		17355	50.35	-17.85	68.2	42.68	41.6	25.21	59.14	100	0	P	V
		17945	57.7	-16.3	74	41.04	48.15	25.43	56.92	100	0	P	V
802.11a CH 165 5825MHz		11650	50.53	-23.47	74	51.98	39.55	20.23	61.23	135	62	P	H
		11650	40.6	-13.4	54	42.05	39.55	20.23	61.23	135	62	A	H
		17475	51.33	-16.87	68.2	42.41	42.45	25.25	58.78	100	0	P	H
		17912	56.24	-17.76	74	40.42	47.45	25.42	57.05	100	0	P	H
		11650	51.85	-22.15	74	53.3	39.55	20.23	61.23	101	15	P	V
		11650	41.67	-12.33	54	43.12	39.55	20.23	61.23	101	15	A	V
		17475	52.43	-15.77	68.2	43.51	42.45	25.25	58.78	100	0	P	V
		17901	55.95	-18.05	74	40.41	47.22	25.42	57.1	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 149 5745MHz		5624.2	54.84	-13.36	68.2	38.58	31.65	13.66	29.05	199	357	P	H	
		5699	65.69	-38.77	104.46	49.29	31.7	13.73	29.03	199	357	P	H	
		5718.6	80.96	-29.45	110.41	64.43	31.81	13.75	29.03	199	357	P	H	
		5724.8	78.96	-42.78	121.74	62.39	31.85	13.75	29.03	199	357	P	H	
	*	5745	116.89	-	-	100.17	31.97	13.77	29.02	199	357	P	H	
	*	5745	107.71	-	-	90.99	31.97	13.77	29.02	199	357	A	H	
														H
														H
			5640.2	55.9	-12.3	68.2	39.65	31.62	13.68	29.05	197	332	P	V
			5692.2	67.56	-31.89	99.45	51.19	31.68	13.72	29.03	197	332	P	V
			5720	74.47	-36.33	110.8	57.93	31.82	13.75	29.03	197	332	P	V
			5724	80.66	-39.26	119.92	64.1	31.84	13.75	29.03	197	332	P	V
	*		5745	115.81	-	-	99.09	31.97	13.77	29.02	197	332	P	V
	*		5745	106.63	-	-	89.91	31.97	13.77	29.02	197	332	A	V
													V	
													V	



Band 4 5725~5850MHz
WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 165 5825MHz	*	5825	116.41	-	-	99.54	32.05	13.82	29	226	358	P	H	
	*	5825	107.2	-	-	90.33	32.05	13.82	29	226	358	A	H	
		5851.8	75.2	-42.9	118.1	58.29	32.1	13.81	29	226	358	P	H	
		5860.6	71.57	-37.66	109.23	54.63	32.12	13.81	28.99	226	358	P	H	
		5880.8	63.29	-37.6	100.89	46.31	32.16	13.81	28.99	226	358	P	H	
		5940.2	55.9	-12.3	68.2	38.78	32.28	13.81	28.97	226	358	P	H	
														H
														H
	*	5825	115.59	-	-	98.72	32.05	13.82	29	201	333	333	P	V
	*	5825	106.45	-	-	89.58	32.05	13.82	29	201	333	333	A	V
		5850.2	74.96	-46.78	121.74	58.05	32.1	13.81	29	201	333	333	P	V
		5856	69.69	-40.83	110.52	52.76	32.11	13.81	28.99	201	333	333	P	V
		5876.6	63.55	-40.46	104.01	46.58	32.15	13.81	28.99	201	333	333	P	V
		5950	55.31	-12.89	68.2	38.17	32.3	13.81	28.97	201	333	333	P	V
													V	
													V	



Band 4 5725~5850MHz
WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+5	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		5637.8	54.97	-13.23	68.2	38.73	31.62	13.67	29.05	200	1	P	H	
		5659.8	55.44	-20.04	75.48	39.17	31.62	13.69	29.04	200	1	P	H	
		5719.8	56.39	-54.35	110.74	39.85	31.82	13.75	29.03	200	1	P	H	
		5722.8	58.4	-58.78	117.18	41.84	31.84	13.75	29.03	200	1	P	H	
	*	5745	116.88	-	-	100.16	31.97	13.77	29.02	200	1	P	H	
	*	5745	107.62	-	-	90.9	31.97	13.77	29.02	200	1	A	H	
														H
														H
			5631.4	55.65	-12.55	68.2	39.39	31.64	13.67	29.05	150	330	P	V
			5673.6	55.28	-30.42	85.7	38.96	31.65	13.71	29.04	150	330	P	V
			5718.8	60.22	-50.24	110.46	43.69	31.81	13.75	29.03	150	330	P	V
			5725	67.11	-55.09	122.2	50.54	31.85	13.75	29.03	150	330	P	V
		*	5745	115.07	-	-	98.35	31.97	13.77	29.02	150	330	P	V
		*	5745	106.38	-	-	89.66	31.97	13.77	29.02	150	330	A	V
													V	
													V	



WIFI Ant. 6+5	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	118.74	-	-	101.87	32.05	13.82	29	200	6	P	H	
	*	5825	109.19	-	-	92.32	32.05	13.82	29	200	6	A	H	
		5851.2	61.07	-58.39	119.46	44.16	32.1	13.81	29	200	6	P	H	
		5861.2	60.27	-48.79	109.06	43.33	32.12	13.81	28.99	200	6	P	H	
		5897.6	55.55	-32.89	88.44	38.52	32.2	13.81	28.98	200	6	P	H	
		5940.2	55.84	-12.36	68.2	38.72	32.28	13.81	28.97	200	6	P	H	
														H
														H
	*	5825	118.46	-	-	101.59	32.05	13.82	29	200	322	P	V	
	*	5825	108.5	-	-	91.63	32.05	13.82	29	200	322	A	V	
		5850	66.28	-55.92	122.2	49.37	32.1	13.81	29	200	322	P	V	
		5856.4	62.06	-48.35	110.41	45.13	32.11	13.81	28.99	200	322	P	V	
		5894.6	56.61	-34.05	90.66	39.6	32.19	13.81	28.99	200	322	P	V	
		5937.6	57.78	-10.42	68.2	40.66	32.28	13.81	28.97	200	322	P	V	
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 6+5	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)
		5650	57.41	-10.79	68.2	41.16	31.6	13.69	29.04	199	357	P	H
		5699.6	65.9	-39.01	104.91	49.5	31.7	13.73	29.03	199	357	P	H
		5718	74.29	-35.95	110.24	57.76	31.81	13.75	29.03	199	357	P	H
		5721.8	77.5	-37.4	114.9	60.95	31.83	13.75	29.03	199	357	P	H
	*	5755	114.3	-	-	97.54	32	13.78	29.02	199	357	P	H
	*	5755	104.75	-	-	87.99	32	13.78	29.02	199	357	A	H
		5854	56.76	-56.32	113.08	39.84	32.11	13.81	29	199	357	P	H
		5869	57.89	-48.99	106.88	40.93	32.14	13.81	28.99	199	357	P	H
		5886.8	59.69	-36.75	96.44	42.7	32.17	13.81	28.99	199	357	P	H
		5930.8	55.03	-13.17	68.2	37.94	32.26	13.81	28.98	199	357	P	H
802.11ax													H
HE40 Full													H
CH 151		5645.8	60.92	-7.28	68.2	44.68	31.61	13.68	29.05	203	332	P	V
5755MHz		5698.8	67.7	-36.62	104.32	51.3	31.7	13.73	29.03	203	332	P	V
		5720	73.05	-37.75	110.8	56.51	31.82	13.75	29.03	203	332	P	V
		5723.4	77.74	-40.81	118.55	61.18	31.84	13.75	29.03	203	332	P	V
	*	5755	113.17	-	-	96.41	32	13.78	29.02	203	332	P	V
	*	5755	103.24	-	-	86.48	32	13.78	29.02	203	332	A	V
		5850.6	57.71	-63.12	120.83	40.8	32.1	13.81	29	203	332	P	V
		5858	58.94	-51.02	109.96	42	32.12	13.81	28.99	203	332	P	V
		5908	56.53	-24.21	80.74	39.48	32.22	13.81	28.98	203	332	P	V
		5936.8	55.31	-12.89	68.2	38.21	32.27	13.81	28.98	203	332	P	V
													V
													V



WIFI Ant. 6+5	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)
		5649.4	60.14	-8.06	68.2	43.9	31.6	13.68	29.04	199	358	P	H
		5655.8	63.21	-9.3	72.51	46.95	31.61	13.69	29.04	199	358	P	H
		5702	67.82	-37.94	105.76	51.41	31.71	13.73	29.03	199	358	P	H
		5722	66.18	-49.18	115.36	49.63	31.83	13.75	29.03	199	358	P	H
	*	5795	116.08	-	-	99.27	32	13.82	29.01	199	358	P	H
	*	5795	105	-	-	88.19	32	13.82	29.01	199	358	A	H
		5854.6	70.21	-41.5	111.71	53.28	32.11	13.81	28.99	199	358	P	H
		5860.6	72.85	-36.38	109.23	55.91	32.12	13.81	28.99	199	358	P	H
		5876	66.8	-37.66	104.46	49.83	32.15	13.81	28.99	199	358	P	H
		5928.8	62.88	-5.32	68.2	45.79	32.26	13.81	28.98	199	358	P	H
802.11ax													H
HE40 Full													H
CH 159		5644	62.27	-5.93	68.2	46.03	31.61	13.68	29.05	195	333	P	V
5795MHz		5694.4	64.59	-36.48	101.07	48.21	31.69	13.72	29.03	195	333	P	V
		5717.6	68.26	-41.87	110.13	51.73	31.81	13.75	29.03	195	333	P	V
		5723.6	68.33	-50.68	119.01	51.77	31.84	13.75	29.03	195	333	P	V
	*	5795	114.24	-	-	97.43	32	13.82	29.01	195	333	P	V
	*	5795	103.77	-	-	86.96	32	13.82	29.01	195	333	A	V
		5850.6	70.74	-50.09	120.83	53.83	32.1	13.81	29	195	333	P	V
		5861.6	73.16	-35.79	108.95	56.22	32.12	13.81	28.99	195	333	P	V
		5888.6	64.59	-30.51	95.1	47.59	32.18	13.81	28.99	195	333	P	V
		5927.8	64.61	-3.59	68.2	47.52	32.26	13.81	28.98	195	333	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_Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+5	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)
		5626.4	55.53	-12.67	68.2	39.27	31.65	13.66	29.05	200	5	P	H
		5697.2	66.4	-36.74	103.14	50.01	31.69	13.73	29.03	200	5	P	H
		5717.2	82.6	-27.42	110.02	66.08	31.8	13.75	29.03	200	5	P	H
		5721.8	80.57	-34.33	114.9	64.02	31.83	13.75	29.03	200	5	P	H
	*	5755	115.29	-	-	98.53	32	13.78	29.02	200	5	P	H
	*	5755	105.55	-	-	88.79	32	13.78	29.02	200	5	A	H
		5854.4	55.79	-56.38	112.17	38.86	32.11	13.81	28.99	200	5	P	H
		5858.4	55.87	-53.98	109.85	38.93	32.12	13.81	28.99	200	5	P	H
		5880.2	56.96	-44.38	101.34	39.98	32.16	13.81	28.99	200	5	P	H
		5947.8	56.93	-11.27	68.2	39.79	32.3	13.81	28.97	200	5	P	H
802.11ax													H
HE40													H
Partial													H
242/61		5633.8	55.08	-13.12	68.2	38.83	31.63	13.67	29.05	150	338	P	V
CH 151		5697.2	64.52	-38.62	103.14	48.13	31.69	13.73	29.03	150	338	P	V
5755MHz		5717.6	79.66	-30.47	110.13	63.13	31.81	13.75	29.03	150	338	P	V
		5723.4	79.39	-39.16	118.55	62.83	31.84	13.75	29.03	150	338	P	V
	*	5755	113.38	-	-	96.62	32	13.78	29.02	150	338	P	V
	*	5755	103.74	-	-	86.98	32	13.78	29.02	150	338	A	V
		5850.2	54.71	-67.03	121.74	37.8	32.1	13.81	29	150	338	P	V
		5874.6	55.54	-49.77	105.31	38.57	32.15	13.81	28.99	150	338	P	V
		5881.2	56.71	-43.88	100.59	39.73	32.16	13.81	28.99	150	338	P	V
		5947	56.15	-12.05	68.2	39.02	32.29	13.81	28.97	150	338	P	V
													V
													V



WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Partial 242/62 CH 159 5795MHz		5648.4	55.63	-12.57	68.2	39.39	31.6	13.68	29.04	204	5	P	H	
		5673.8	55.9	-29.95	85.85	39.58	31.65	13.71	29.04	204	5	P	H	
		5717.2	62.15	-47.87	110.02	45.63	31.8	13.75	29.03	204	5	P	H	
		5722.6	64.39	-52.34	116.73	47.83	31.84	13.75	29.03	204	5	P	H	
	*	5795	115.72	-	-	98.91	32	13.82	29.01	204	5	P	H	
	*	5795	106.03	-	-	89.22	32	13.82	29.01	204	5	A	H	
		5853	65.8	-49.56	115.36	48.88	32.11	13.81	29	204	5	P	H	
		5872.2	61.92	-44.06	105.98	44.96	32.14	13.81	28.99	204	5	P	H	
		5878	56.85	-46.12	102.97	39.87	32.16	13.81	28.99	204	5	P	H	
		5936.4	56.02	-12.18	68.2	38.92	32.27	13.81	28.98	204	5	P	H	
														H
														H
			5608	54.85	-13.35	68.2	38.57	31.68	13.65	29.05	154	340	P	V
			5689.2	56.21	-41.03	97.24	39.84	31.68	13.72	29.03	154	340	P	V
			5717	61.63	-48.33	109.96	45.11	31.8	13.75	29.03	154	340	P	V
			5722.2	63.84	-51.98	115.82	47.29	31.83	13.75	29.03	154	340	P	V
	*		5795	113.84	-	-	97.03	32	13.82	29.01	154	340	P	V
	*		5795	104.81	-	-	88	32	13.82	29.01	154	340	A	V
			5850.2	66.91	-54.83	121.74	50	32.1	13.81	29	154	340	P	V
			5867.8	62.01	-45.2	107.21	45.05	32.14	13.81	28.99	154	340	P	V
		5877.8	57.9	-45.22	103.12	40.92	32.16	13.81	28.99	154	340	P	V	
		5930	55.63	-12.57	68.2	38.54	32.26	13.81	28.98	154	340	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 6+5	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)
		5642.6	63.88	-4.32	68.2	47.64	31.61	13.68	29.05	199	357	P	H
		5693	71.77	-28.27	100.04	55.39	31.69	13.72	29.03	199	357	P	H
		5714.8	74.8	-34.55	109.35	58.3	31.79	13.74	29.03	199	357	P	H
		5724.8	74.92	-46.82	121.74	58.35	31.85	13.75	29.03	199	357	P	H
	*	5775	111.4	-	-	94.61	32	13.8	29.01	199	357	P	H
	*	5775	102.01	-	-	85.22	32	13.8	29.01	199	357	A	H
		5851.6	67.99	-50.56	118.55	51.08	32.1	13.81	29	199	357	P	H
		5860.4	68.04	-41.25	109.29	51.1	32.12	13.81	28.99	199	357	P	H
		5883.2	64.12	-34.99	99.11	47.13	32.17	13.81	28.99	199	357	P	H
		5932.2	57.12	-11.08	68.2	40.03	32.26	13.81	28.98	199	357	P	H
802.11ax													H
HE80 Full													H
CH 155		5645.4	61.07	-7.13	68.2	44.83	31.61	13.68	29.05	201	332	P	V
5775MHz		5698.2	72.8	-31.07	103.87	56.4	31.7	13.73	29.03	201	332	P	V
		5706.6	76.24	-30.81	107.05	59.79	31.74	13.74	29.03	201	332	P	V
		5722.2	73.13	-42.69	115.82	56.58	31.83	13.75	29.03	201	332	P	V
	*	5795	109.02	-	-	92.21	32	13.82	29.01	201	332	P	V
	*	5795	100.08	-	-	83.27	32	13.82	29.01	201	332	A	V
		5850	64.86	-57.34	122.2	47.95	32.1	13.81	29	201	332	P	V
		5857.8	67.53	-42.48	110.01	50.59	32.12	13.81	28.99	201	332	P	V
		5879	63.3	-38.93	102.23	46.32	32.16	13.81	28.99	201	332	P	V
		5939.4	56.66	-11.54	68.2	39.54	32.28	13.81	28.97	201	332	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. 6+5	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)
		5620.2	60	-8.2	68.2	43.73	31.66	13.66	29.05	200	2	P	H
		5688.2	76.59	-19.91	96.5	60.22	31.68	13.72	29.03	200	2	P	H
		5713.2	78.95	-29.95	108.9	62.46	31.78	13.74	29.03	200	2	P	H
		5723.2	83.5	-34.6	118.1	66.94	31.84	13.75	29.03	200	2	P	H
	*	5775	114.42	-	-	97.63	32	13.8	29.01	200	2	P	H
	*	5775	103.72	-	-	86.93	32	13.8	29.01	200	2	A	H
		5852.8	76.98	-38.84	115.82	60.06	32.11	13.81	29	200	2	P	H
		5857	77.86	-32.38	110.24	60.93	32.11	13.81	28.99	200	2	P	H
		5877.4	66.78	-36.64	103.42	49.81	32.15	13.81	28.99	200	2	P	H
802.11ax		5949.2	57.06	-11.14	68.2	39.92	32.3	13.81	28.97	200	2	P	H
HE80													H
Partial													H
484/65		5645.8	62.04	-6.16	68.2	45.8	31.61	13.68	29.05	163	330	P	V
CH 155		5683.8	76.23	-17.02	93.25	59.88	31.67	13.72	29.04	163	330	P	V
5775MHz		5716.2	79.86	-29.88	109.74	63.35	31.8	13.74	29.03	163	330	P	V
		5723.2	82.32	-35.78	118.1	65.76	31.84	13.75	29.03	163	330	P	V
	*	5775	112.9	-	-	96.11	32	13.8	29.01	163	330	P	V
	*	5775	102.42	-	-	85.63	32	13.8	29.01	163	330	A	V
		5850.6	75	-45.83	120.83	58.09	32.1	13.81	29	163	330	P	V
		5857	75.49	-34.75	110.24	58.56	32.11	13.81	28.99	163	330	P	V
		5877.4	66.8	-36.62	103.42	49.83	32.15	13.81	28.99	163	330	P	V
		5947.4	56.66	-11.54	68.2	39.53	32.29	13.81	28.97	163	330	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WiFi Ant. 6+5	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		5647.8	61.12	-7.08	68.2	44.88	31.6	13.68	29.04	209	2	P	H	
		5688	76.51	-19.84	96.35	60.14	31.68	13.72	29.03	209	2	P	H	
		5719.8	81.47	-29.27	110.74	64.93	31.82	13.75	29.03	209	2	P	H	
		5723.8	81.78	-37.68	119.46	65.22	31.84	13.75	29.03	209	2	P	H	
	*	5775	112.65	-	-	95.86	32	13.8	29.01	209	2	P	H	
	*	5775	103.68	-	-	86.89	32	13.8	29.01	209	2	A	H	
		5853	79.23	-36.13	115.36	62.31	32.11	13.81	29	209	2	P	H	
		5857.4	77.59	-32.54	110.13	60.66	32.11	13.81	28.99	209	2	P	H	
		5877.2	68.88	-34.69	103.57	51.91	32.15	13.81	28.99	209	2	P	H	
		5926.4	58.14	-10.06	68.2	41.06	32.25	13.81	28.98	209	2	P	H	
														H
														H
			5628	60.9	-7.3	68.2	44.64	31.64	13.67	29.05	200	321	P	V
			5688	75.59	-20.76	96.35	59.22	31.68	13.72	29.03	200	321	P	V
			5717.2	80.11	-29.91	110.02	63.59	31.8	13.75	29.03	200	321	P	V
			5721.2	81.61	-31.93	113.54	65.06	31.83	13.75	29.03	200	321	P	V
	*		5775	113.23	-	-	96.44	32	13.8	29.01	200	321	P	V
	*		5775	102.6	-	-	85.81	32	13.8	29.01	200	321	A	V
			5850.4	76.08	-45.21	121.29	59.17	32.1	13.81	29	200	321	P	V
			5857.4	77.02	-33.11	110.13	60.09	32.11	13.81	28.99	200	321	P	V
		5877.6	67.37	-35.9	103.27	50.39	32.16	13.81	28.99	200	321	P	V	
		5931.2	56.5	-11.7	68.2	39.41	32.26	13.81	28.98	200	321	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. 													



Emission below 1GHz
WIFI 802.11ax HE40 Full (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.		
6+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE40 Full LF		61.04	22.57	-17.43	40	42.13	12.1	1.13	32.79	-	-	P	H	
		93.05	23.34	-20.16	43.5	39.14	15.36	1.47	32.63	-	-	P	H	
		156.1	31.5	-12	43.5	45.31	16.96	2	32.77	100	0	P	H	
		264.74	25.1	-20.9	46	35.45	19.59	2.74	32.68	-	-	P	H	
		368.53	24.84	-21.16	46	33.44	20.59	3.24	32.43	-	-	P	H	
		974.78	35.27	-18.73	54	30.54	30.45	5.53	31.25	-	-	P	H	
														H
														H
														H
														H
														H
														H
			38.73	30.31	-9.69	40	42.28	20	0.81	32.78	100	0	P	V
			51.34	25.73	-14.27	40	43.46	14.12	0.99	32.84	-	-	P	V
			153.19	28.85	-14.65	43.5	42.54	17.09	1.98	32.76	-	-	P	V
			183.26	23.38	-20.12	43.5	38.91	15.1	2.23	32.86	-	-	P	V
			386.96	22.74	-23.26	46	30.53	21.27	3.33	32.39	-	-	P	V
			560.59	27.11	-18.89	46	29.93	25.81	4.04	32.67	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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.	
6+5		(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		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

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

Note symbol

-L	Low channel location
-R	High channel location

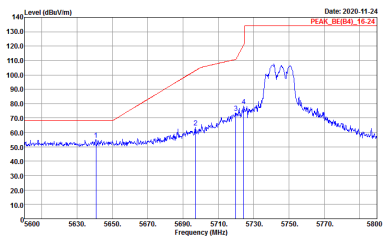
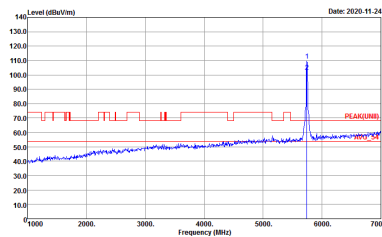


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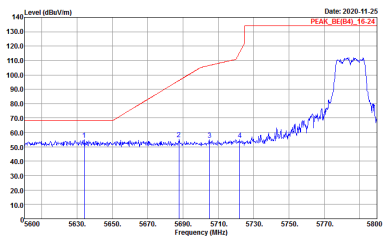
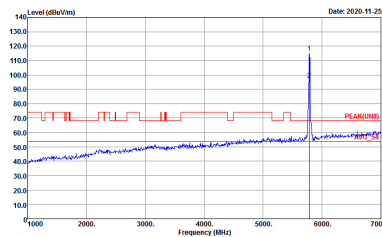
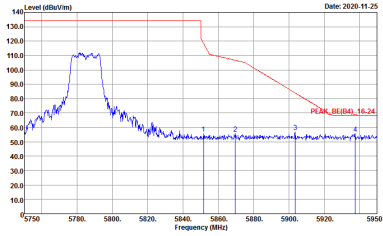
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
4+5	Horizontal	Fundamental
Peak	<p>Date: 2020-11-24 PEAK_RE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_RE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Date: 2020-11-24 PEAK_LIN(B)</p> <p>Site : 03CH16-HY Condition : PEAK(LIN) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>

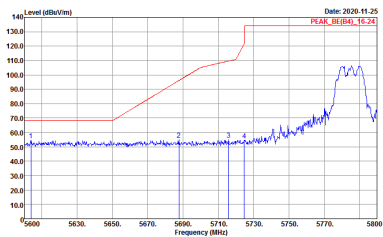
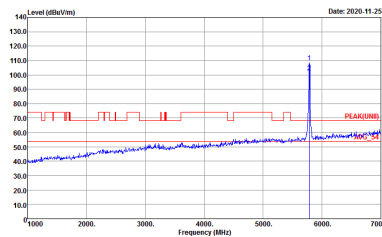
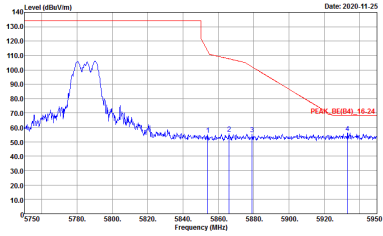


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
4+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>

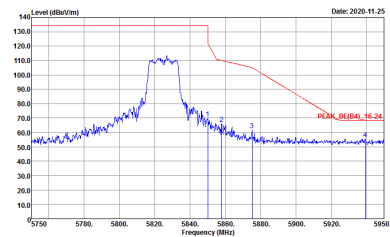
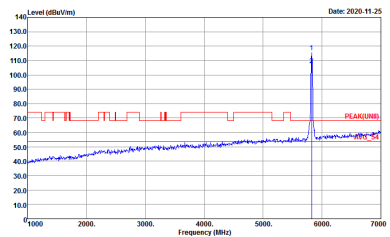


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
4+5	Horizontal	Fundamental
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	Left blank

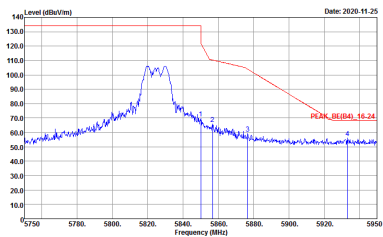
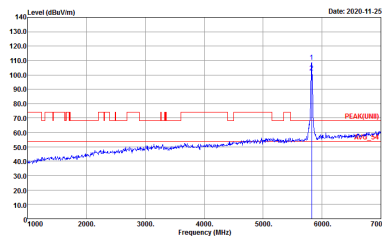


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
4+5	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
4+5	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



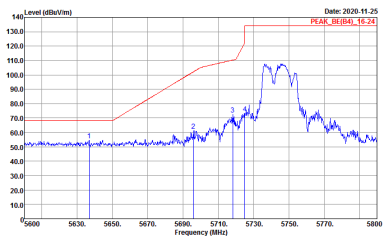
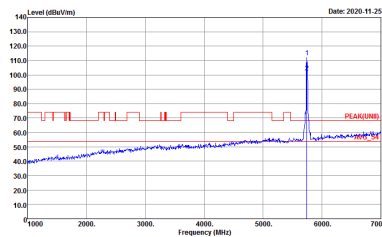
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
4+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



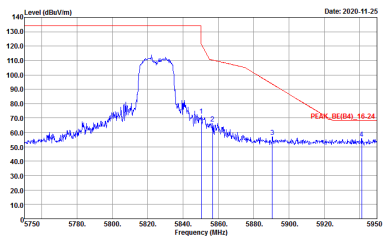
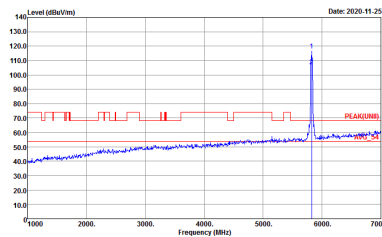
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
4+5	Horizontal	Fundamental
Peak	<p> Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114 </p>	<p> Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114 </p>

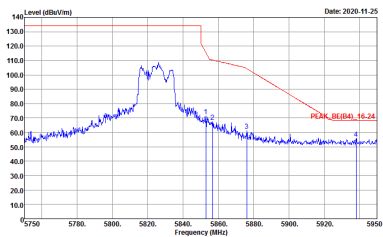
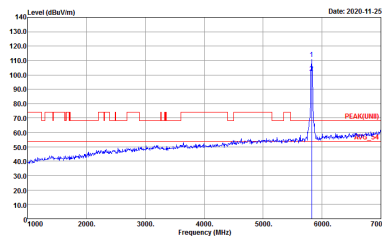


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
4+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(LINII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
4+5	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



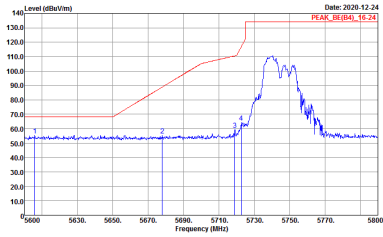
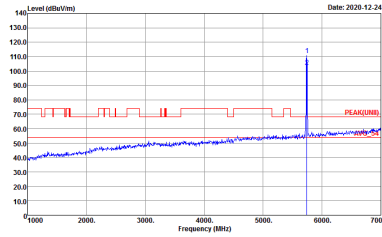
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
4+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(U11) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</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	
4+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_8E(84)_16-24 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(URR) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

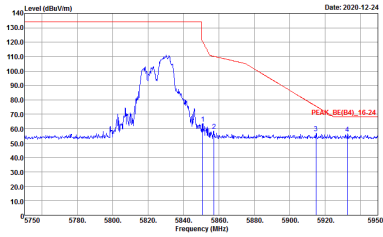
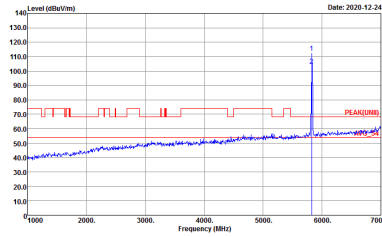


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz z	
4+5	Vertical	Fundamental
Peak	 <p> Date: 2020-12-24 PEAK: 8E(84)_16-24 </p> <p> Site : 03CH16-44Y Condition : PEAK_8E(84)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 </p>	 <p> Date: 2020-12-24 PEAK: UNII </p> <p> Site : 03CH16-44Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 </p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
4+5	Horizontal	Fundamental
Peak	<p> Site : 03CH16-4HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 </p>	<p> Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 </p>



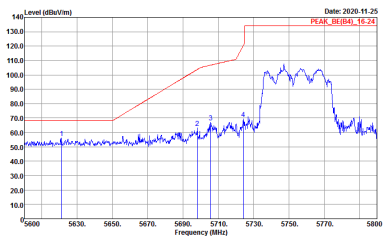
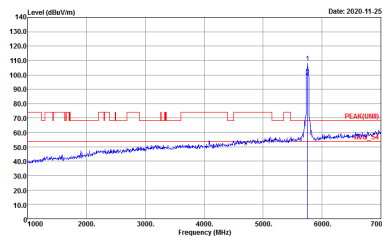
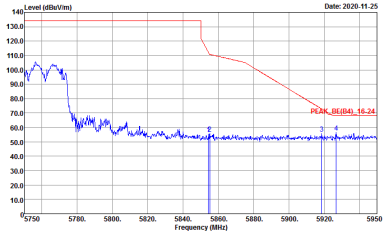
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
4+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
4+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
4+5	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)</p> <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
4+5	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Left blank</p>



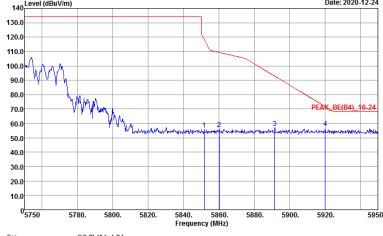
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
4+5	Vertical	Fundamental
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	<p>Left blank</p>



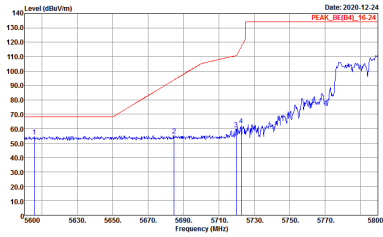
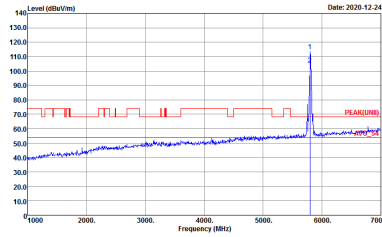
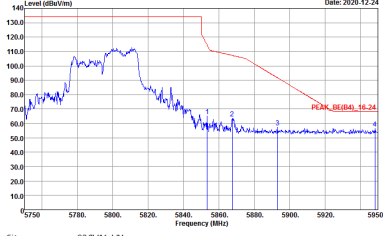
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
4+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank

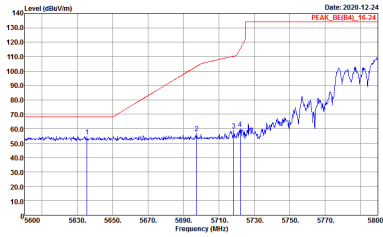
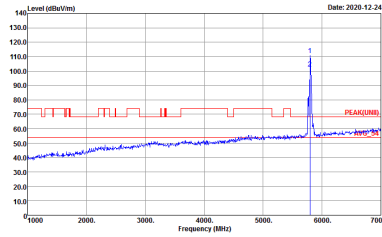
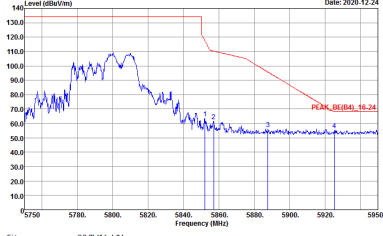


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
4+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-14Y Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(08)</p> <p>Site : 03CH16-14Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-14Y Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
4+5	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-4HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Site : 03CH16-4HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



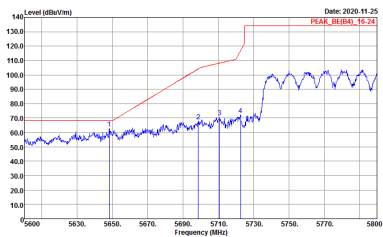
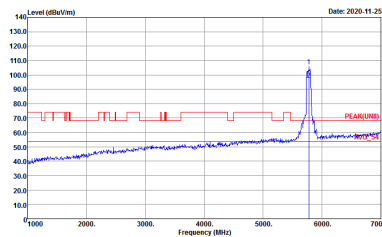
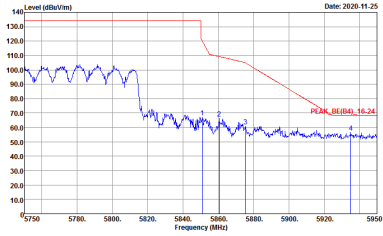
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
4+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(00B)</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
4+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



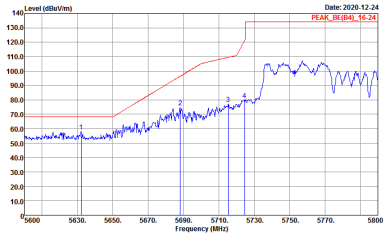
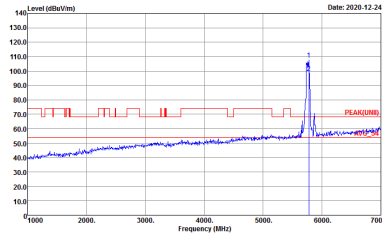
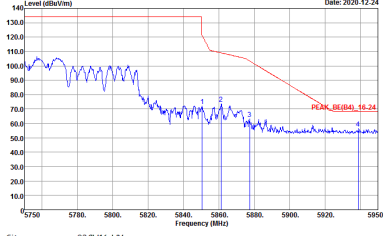
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
4+5	Vertical	Fundamental
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	Left blank



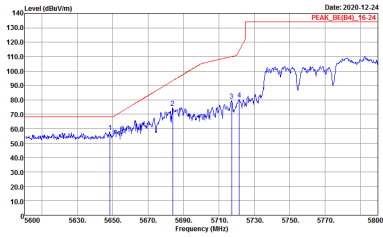
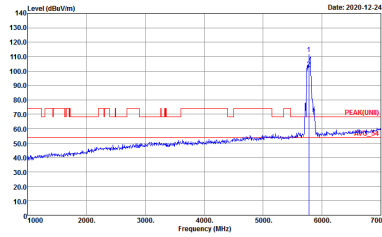
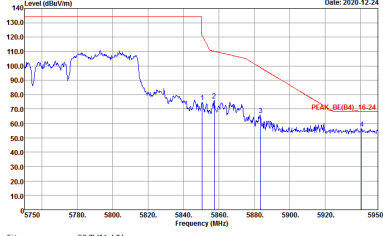
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
4+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank

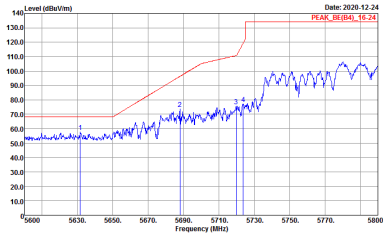
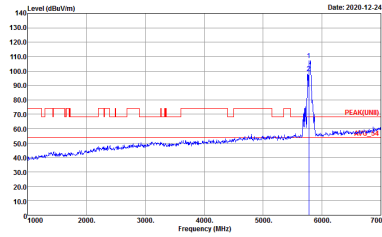
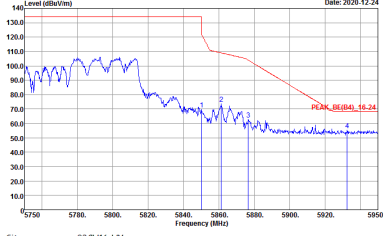


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
4+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(04)</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
4+5	Horizontal	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



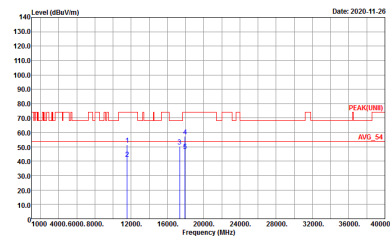
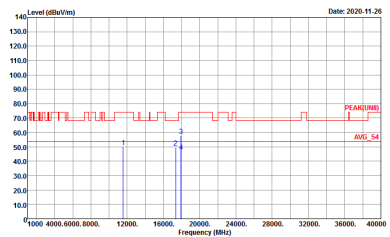
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
4+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-4HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Site : 03CH16-4HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



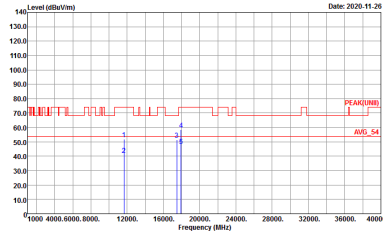
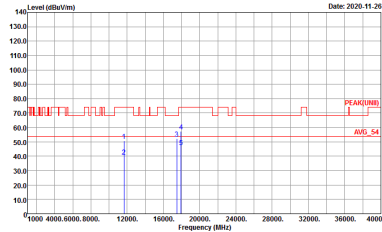
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
4+5	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAR(LINET) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAR(LINET) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
4+5	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
4+5	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 082114</p>



**Emission below 1GHz
5GHz WIFI 802.11ax HE80 Full (LF)**

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Full LF	
4+5	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-HY Condition : QP 3m BILLOG_41912405 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : QP 3m BILLOG_41912405 VERTICAL Detector : Peak Project : 082114</p>

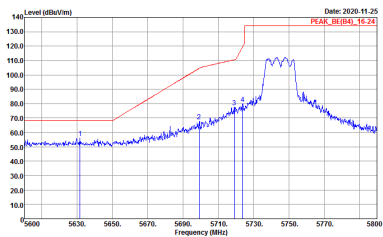
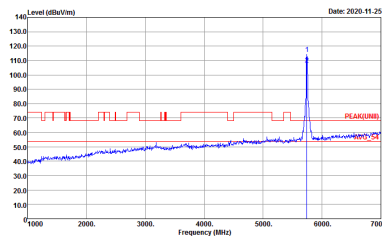


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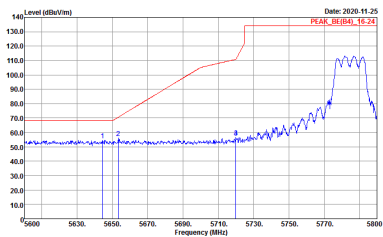
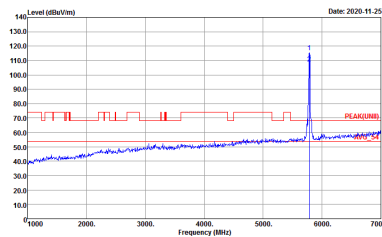
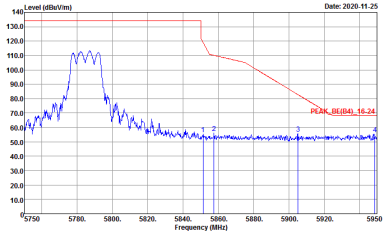
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
6+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_RE(B4)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(LIN)B 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114</p>

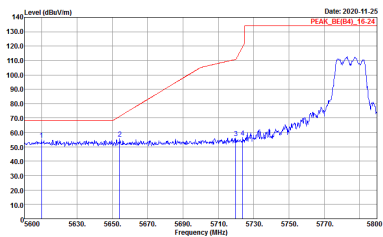
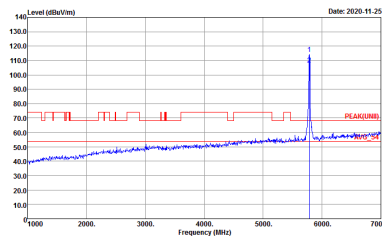
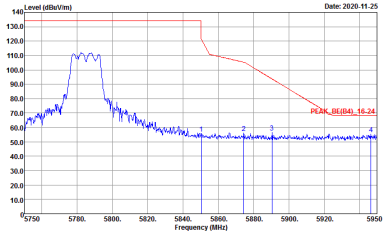


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
6+5	Vertical	Fundamental
Peak	 <p>Date: 2020-11-25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-11-25 PEAK(FUNB)</p> <p>Site : 03CH16-11Y Condition : PEAK(FUNB)_3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

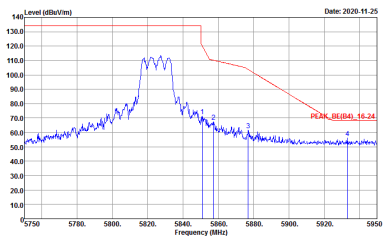
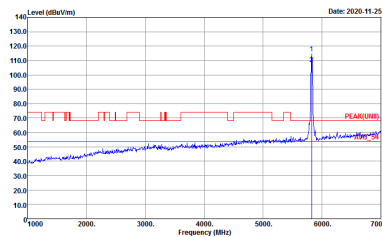


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)</p> <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank

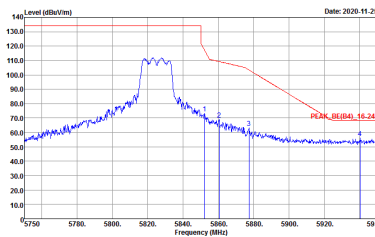
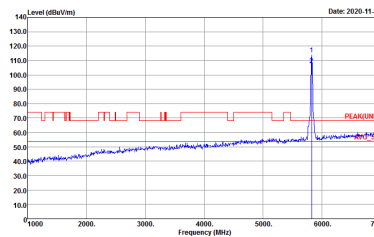


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
6+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Date: 2020-11-25</p> <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-11-25</p> <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



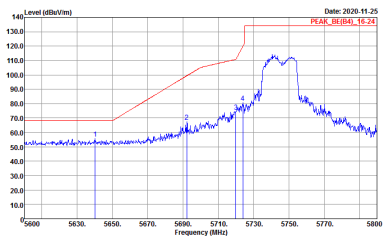
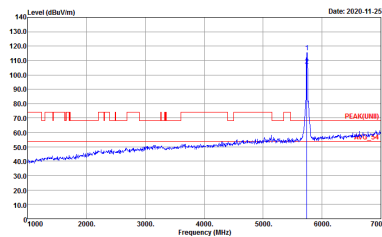
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
6+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(FUNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



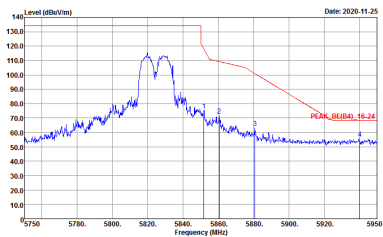
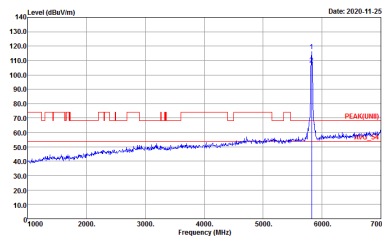
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
6+5	Horizontal	Fundamental
Peak	<p> Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114 </p>	<p> Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 082114 </p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
6+5	Vertical	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
6+5	Vertical	Fundamental
Peak	<p>Site : 03CH16-11Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



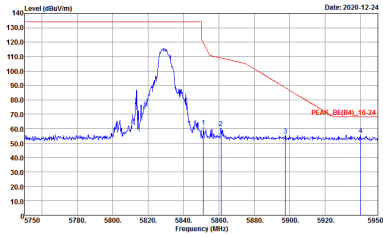
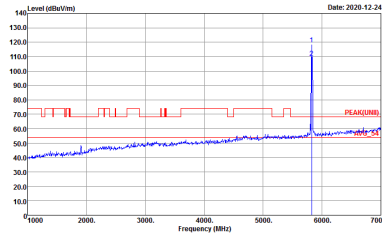
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
6+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_8E(84)_16-24 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(URR) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

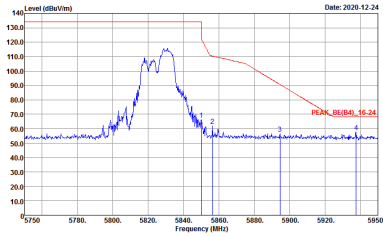
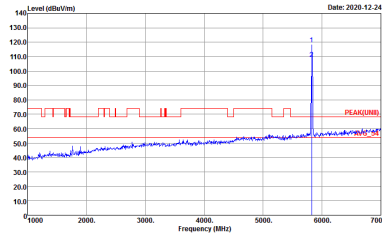


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
6+5	Vertical	Fundamental
Peak	<p>Site : 03CH16-44Y Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-44Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-44Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-44Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



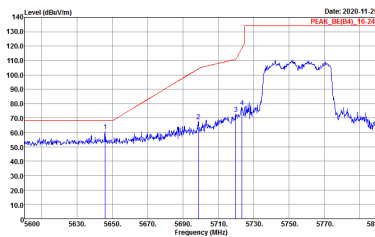
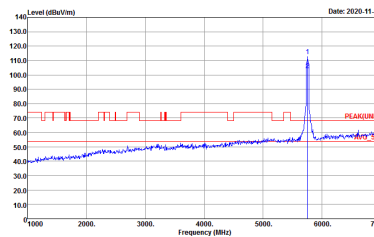
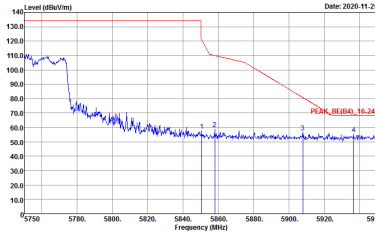
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
6+5	Vertical	Fundamental
Peak	 <p style="font-size: small;">Date: 2020-12-24</p> <p>Site : 03CH16-44Y Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p style="font-size: small;">Date: 2020-12-24</p> <p>Site : 03CH16-44Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
6+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank

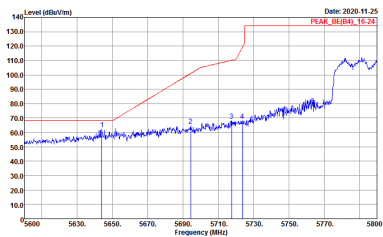
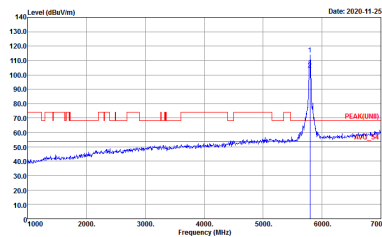
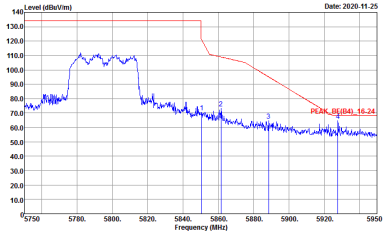


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
6+5	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(B4)</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
6+5	Horizontal	Fundamental
<p>Peak</p>	<p>Date: 2020-11-25 PEAK_BE(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 082114</p>	<p>Date: 2020-11-25 PEAK(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 082114</p>
<p>Peak</p>	<p>Date: 2020-11-25 PEAK_BE(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 082114</p>	<p>Left blank</p>



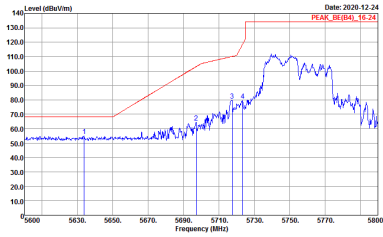
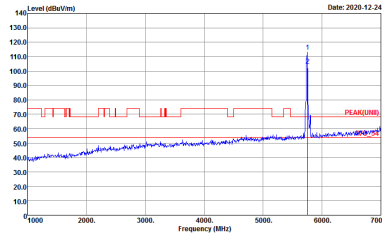
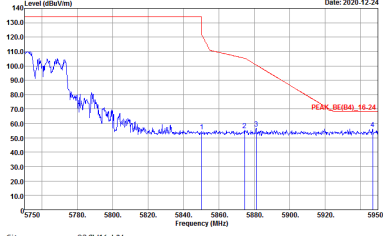
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
6+5	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.25 PEAK(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Peak</p>	 <p>Date: 2020.11.25 PEAK_BE(84)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>



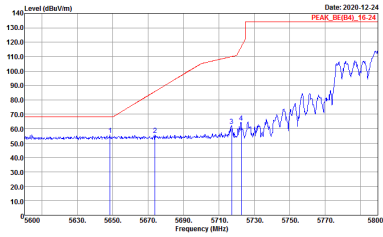
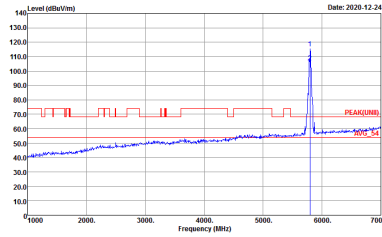
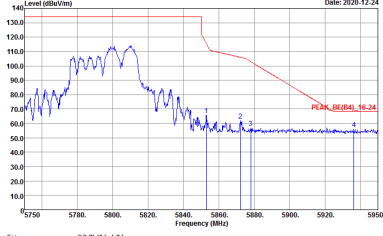
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
6+5	Horizontal	Fundamental
Peak	<p>Date: 2020-12-24 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Date: 2020-12-24 PEAK(LB1)</p> <p>Site : 03CH16-HY Condition : PEAK(LB1) 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Date: 2020-12-24 PEAK_BE(B4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
6+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_46-24</p> <p>Site : 03CH16-44Y Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(08)</p> <p>Site : 03CH16-44Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_46-24</p> <p>Site : 03CH16-44Y Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



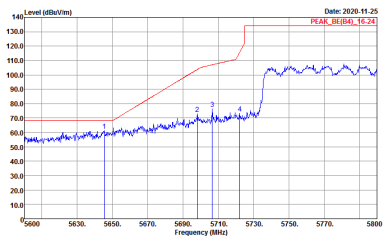
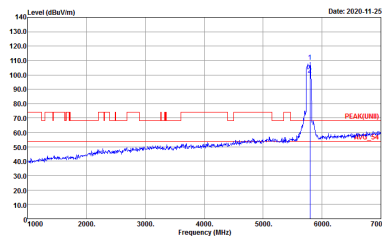
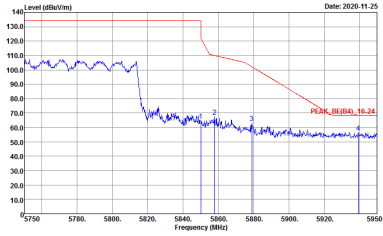
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
6+5	Vertical	Fundamental
Peak	<p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Date: 2020-12-24 PEAK(00B) -PEAK(00)</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
6+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 Setting : 18.5</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 Setting : 18.5</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114 Setting : 18.5</p>	Left blank



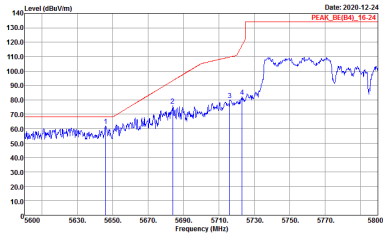
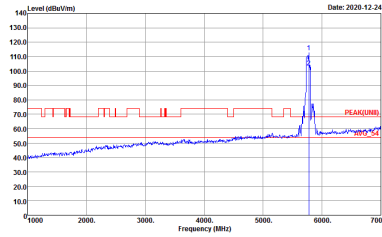
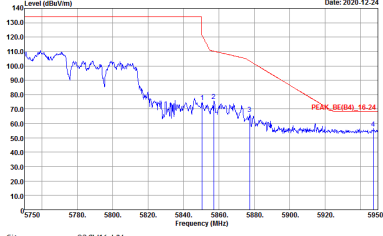
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
6+5	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114 Setting : 18.5</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 082114 Setting : 18.5</p>
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL Detector : Peak Project : 082114 Setting : 18.5</p>	<p>Left blank</p>



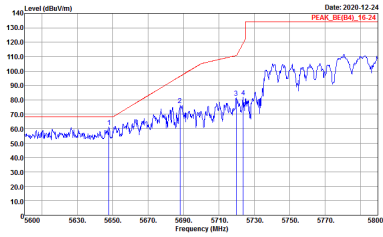
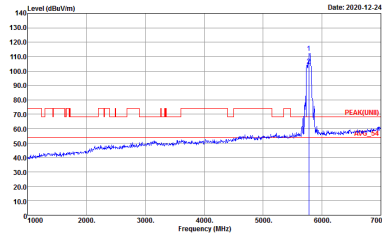
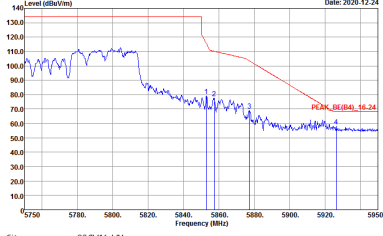
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
6+5	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank

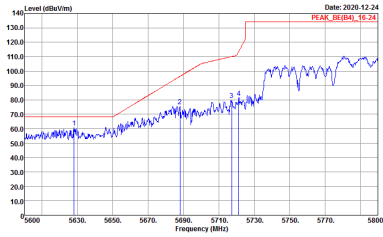
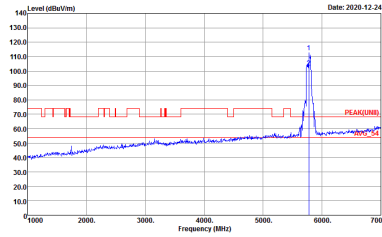
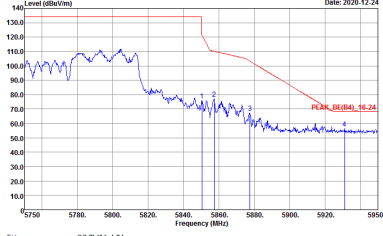


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
6+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_46-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
6+5	Horizontal	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_8E(84)_16-24</p> <p>Site : 03CH16-14Y Condition : PEAK_8E(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(UNII)</p> <p>Site : 03CH16-14Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_8E(84)_16-24</p> <p>Site : 03CH16-14Y Condition : PEAK_8E(84)_16-24 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
6+5	Vertical	Fundamental
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-24 PEAK(04)</p> <p>Site : 03CH16-4HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Peak	 <p>Date: 2020-12-24 PEAK_BE(04)_16-24</p> <p>Site : 03CH16-4HY Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	Left blank



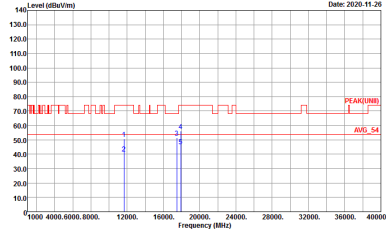
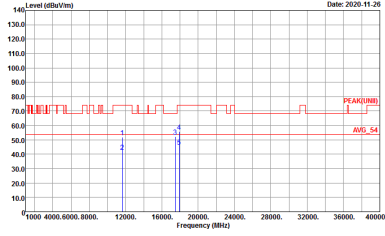
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

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



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
6+5	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 082114</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
6+5	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH16-11F Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 082114</p>



Emission below 1GHz

5GHz WIFI 802.11ax HE40 Full (LF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full LF	
6+5	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-HY Condition : QP 3m BIL06_41912405 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH16-HY Condition : QP 3m BIL06_41912405 VERTICAL Detector : Peak Project : 082114</p>



Appendix E. Duty Cycle Plots

<Normal Mode>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
4+5	802.11a for Ant. 4	99.05	-	-	10Hz	0.04
4+5	802.11a for Ant. 5	99.05	-	-	10Hz	0.04
4+5	5GHz 802.11ax HE20 Full RU for Ant. 4	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE20 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE20 106 RU for Ant. 4	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE20 106 RU for Ant. 5	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE40 Full RU for Ant. 4	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE40 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE40 242 RU for Ant. 4	99.27	-	-	10Hz	0.03
4+5	5GHz 802.11ax HE40 242 RU for Ant. 5	99.35	-	-	10Hz	0.03
4+5	5GHz 802.11ax HE80 Full RU for Ant. 4	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE80 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
4+5	5GHz 802.11ax HE80 484 RU for Ant. 4	98.94	-	-	10Hz	0.05
4+5	5GHz 802.11ax HE80 484 RU for Ant. 5	98.94	-	-	10Hz	0.05

**<Camera Mode>**

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
6+5	802.11a for Ant. 6	99.05	-	-	10Hz	0.04
6+5	802.11a for Ant. 5	99.05	-	-	10Hz	0.04
6+5	5GHz 802.11ax HE20 Full RU for Ant. 6	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE20 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE20 106 RU for Ant. 6	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE20 106 RU for Ant. 5	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE40 Full RU for Ant. 6	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE40 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE40 242 RU for Ant. 6	99.49	-	-	10Hz	0.02
6+5	5GHz 802.11ax HE40 242 RU for Ant. 5	99.49	-	-	10Hz	0.02
6+5	5GHz 802.11ax HE80 Full RU for Ant. 6	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE80 Full RU for Ant. 5	100.00	-	-	10Hz	0.00
6+5	5GHz 802.11ax HE80 484 RU for Ant. 6	98.94	-	-	10Hz	0.05
6+5	5GHz 802.11ax HE80 484 RU for Ant. 5	98.94	-	-	10Hz	0.05



<Normal Mode>

MIMO <Ant. 4>

