FCC RADIO TEST REPORT

FCC ID	:	**HD5-CT30PX0N**
Equipment	:	**Mobile computer**
Brand Name	:	**Honeywell**
Model Name	:	**CT30PX0N**
Applicant	:	**Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA**
Manufacturer	:	**Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 11, 2021 and testing was performed from Nov. 15, 2021 to Dec. 23, 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 from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1N0505F	01	Initial issue of report	Jan. 04, 2022
FR1N0505F	02	1. Revise test mode description 2. Revise description in 3.3.3 3. Revise List of Measuring Equipment 4. Revise appendix C 5. Revise antenna information	Jan. 10, 2022

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	1.33 dB under the limit at 5641.800 MHz
3.5	15.207	AC Conducted Emission	Pass	15.87 dB under the limit at 0.701 MHz
3.6	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 product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and NFC.

Product Feature	
Sample 1	EUT with Scanner (S0703)
Sample 2	EUT with Scanner (6803)
Sample 3	EUT with Scanner (N6700)
HW version	EVT1.5
SW version	311.C1.00.0322-N-DEBUG-G2H
Antenna Type	WLAN <Ant. 1>: PIFA Antenna <Ant. 2>: PIFA Antenna Bluetooth: PIFA Antenna NFC: Loop Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	<Ant. 1>: 3.4 <Ant. 2>: 2.2

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY, 03CH07-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY (TAF Code: 3786)
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find **<Sample 1>:** Y Plane for Ant.1, X Plane for Ant.2, Z Plane for MIMO Ant. 1+2, **<Sample 2 and Sample 3>:** X Plane for Ant.2, Z Plane for MIMO Ant. 1+2 as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

The final test modes consider the modulation and the worst data rates as shown in the table below.

The CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.
The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

Single Mode

Modulation	Data Rate
802.11a	6 Mbps

MIMO Antenna

Modulation	Data Rate
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 : Bluetooth Link + WLAN Link + USB Cable (Charging from AC Adapter) for Sample 1

<Sample 1>

<Ant. 1>

Ch. #		Band IV：5725-5850 MHz
		802.11a
L	Low	149
M	Middle	157
H	High	165

<Ant. 2>

Ch. #		Band IV：5725-5850 MHz
		802.11a
L	Low	149
M	Middle	157
H	High	165

MIMO <Ant. 1+2>

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

<Sample 2 and Sample 3>

<Ant. 2>

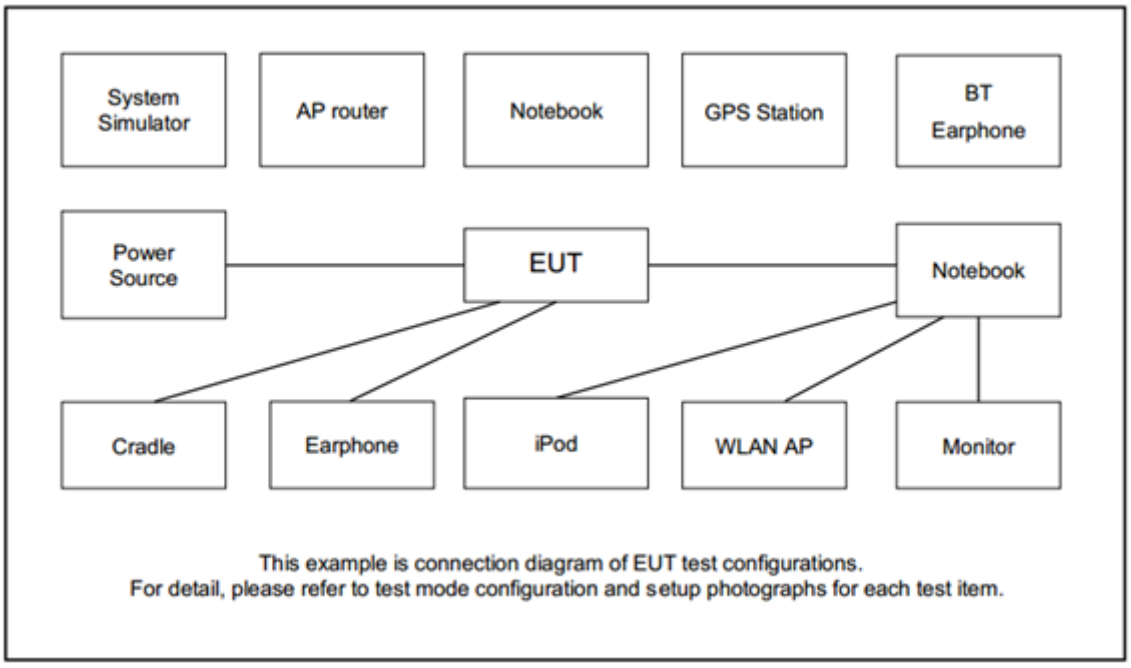
Ch. #		Band IV：5725-5850 MHz
		802.11a
L	Low	-
M	Middle	-
H	High	165

MIMO <Ant. 1+2>

Ch. #		Band IV：5725-5850 MHz
		802.11ax HE80
L	Low	-
M	Middle	155
H	High	-

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

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

2.5 EUT Operation Test Setup

The RF test items, make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

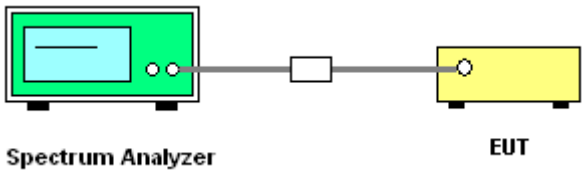
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

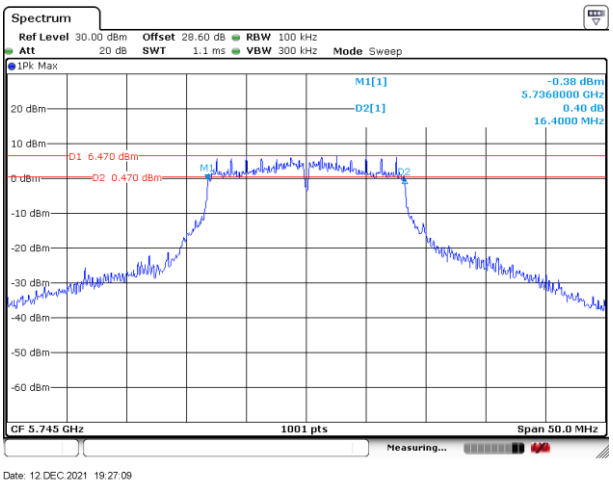
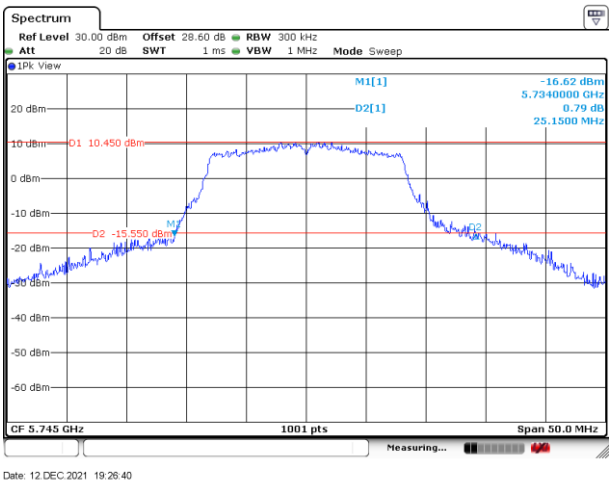
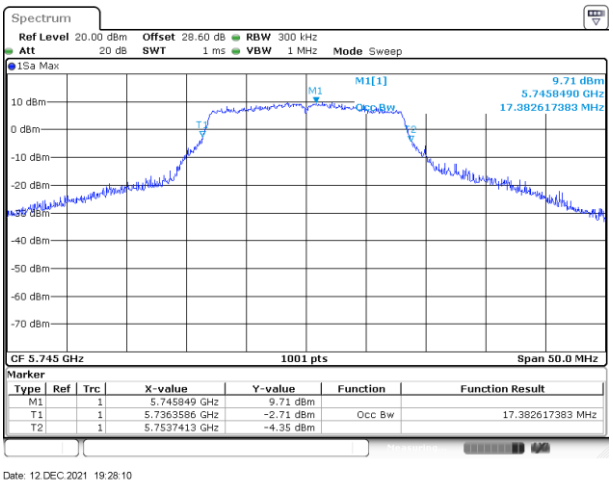
3.1.4 Test Setup



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

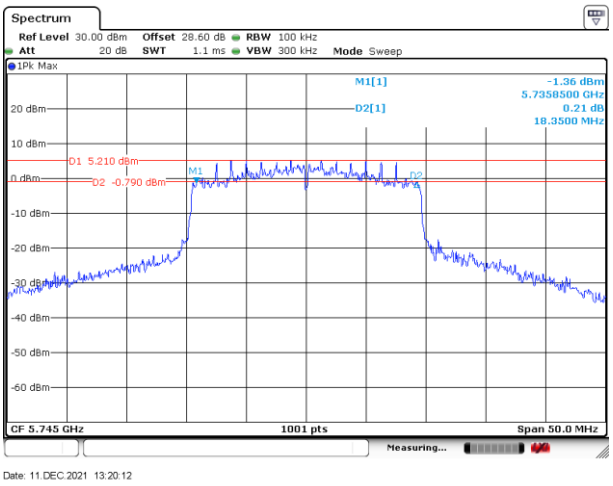
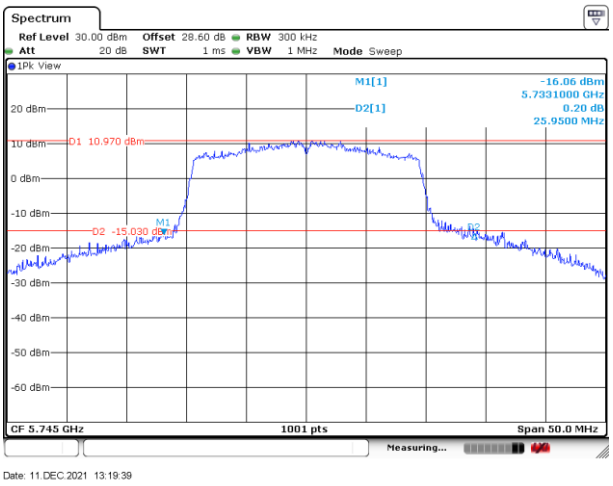
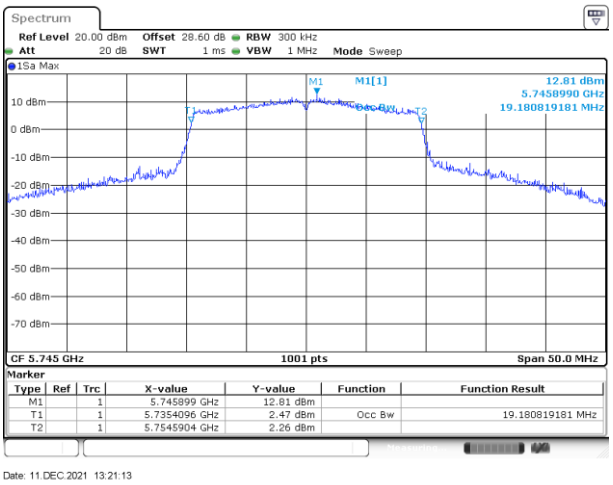
Please refer to Appendix A.

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
Occupied Bandwidth	**NA**
	

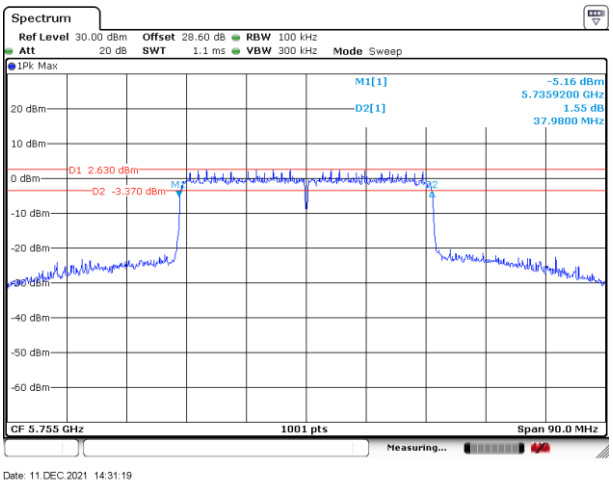
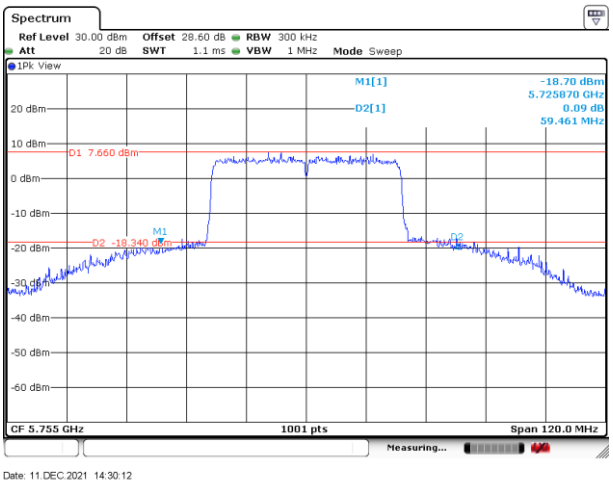
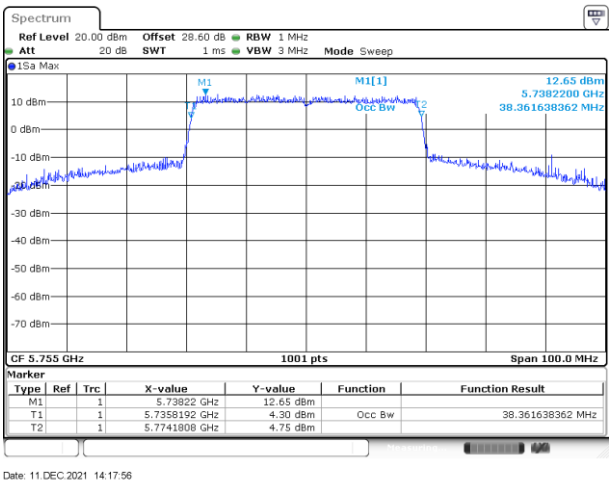
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
Occupied Bandwidth	**NA**
	

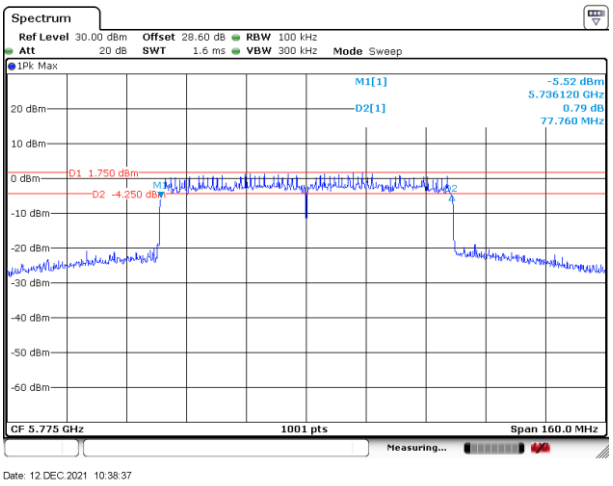
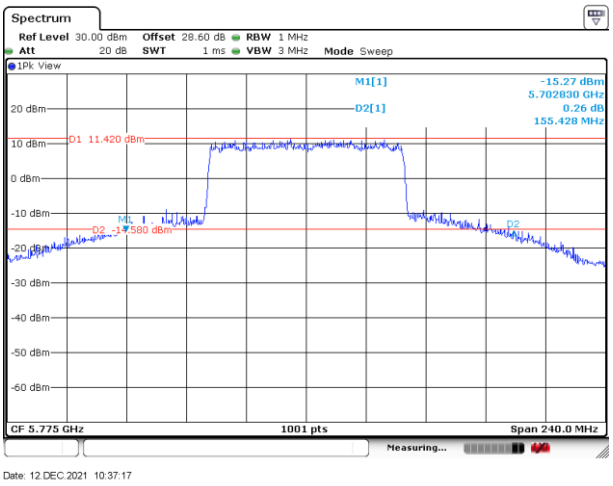
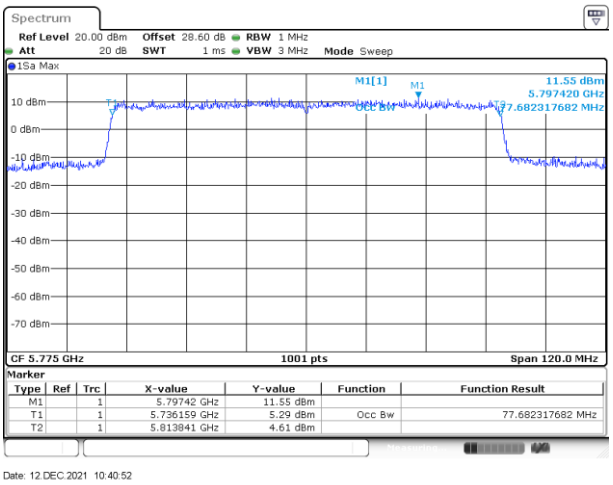
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
Occupied Bandwidth	**NA**
	

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

<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
Occupied Bandwidth	**NA**
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

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

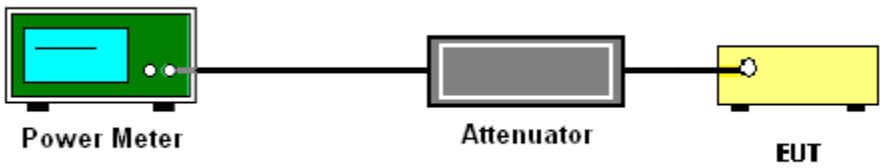
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

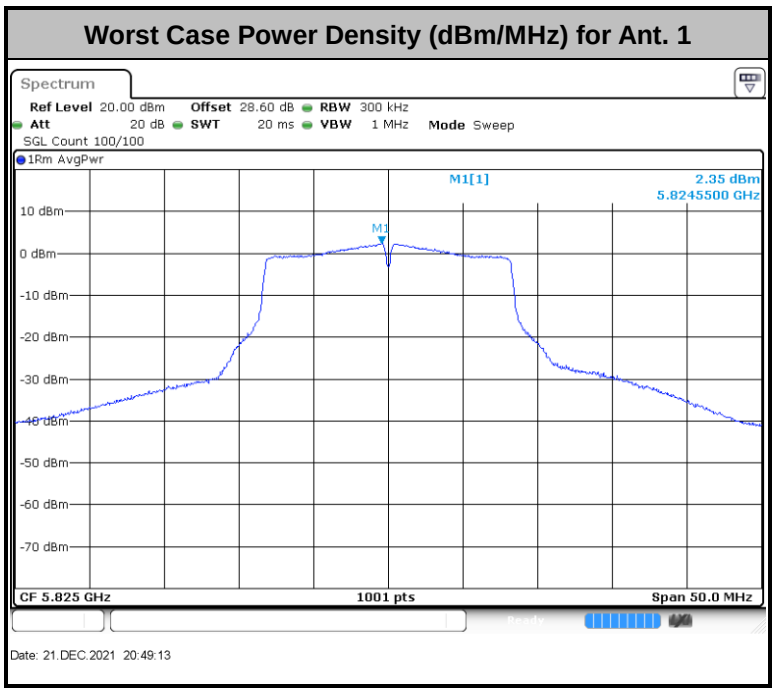
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{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

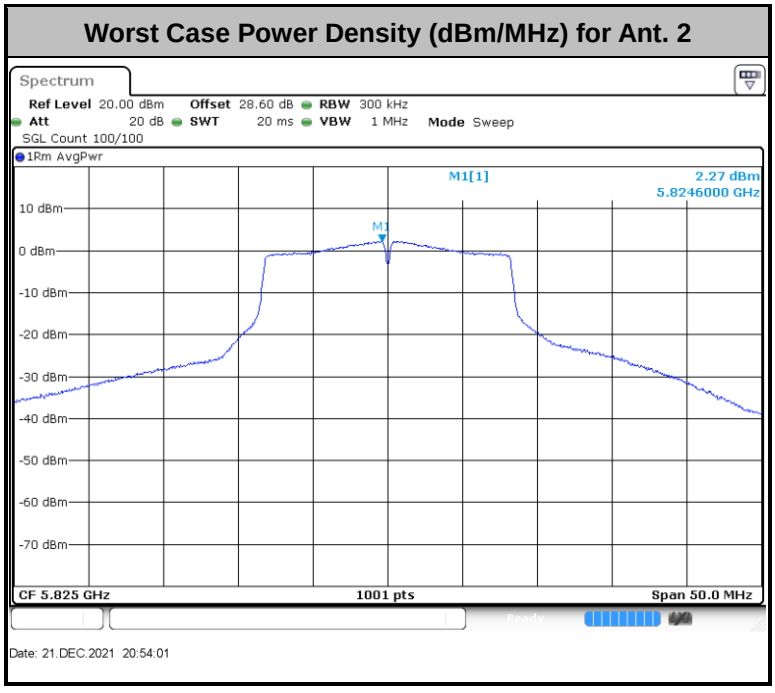
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

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

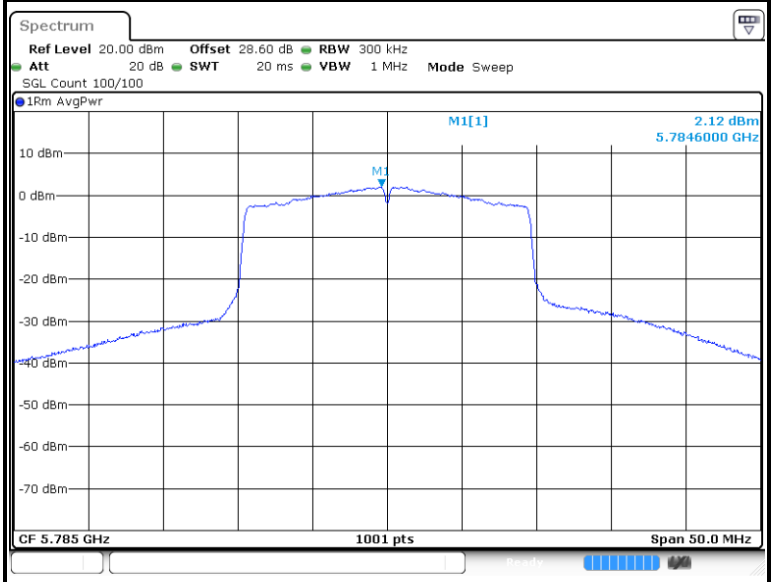


Worst Case Power Density (dBm/MHz) for Ant. 2

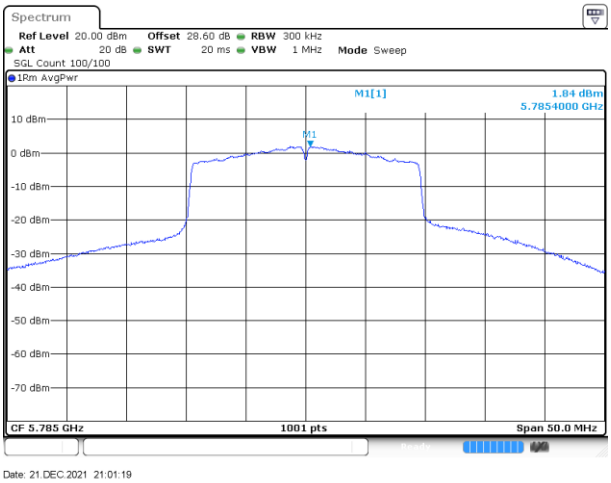


<802.11ax Mode>

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



Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

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

   a) RBW = 1 MHz.
   b) VBW ≥ [3 × RBW].
   c) Detector = RMS (power averaging), if [span / (# of points in sweep)] ≤ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
   d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
   e) Sweep time = auto.
   f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / *D*, where *D* is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

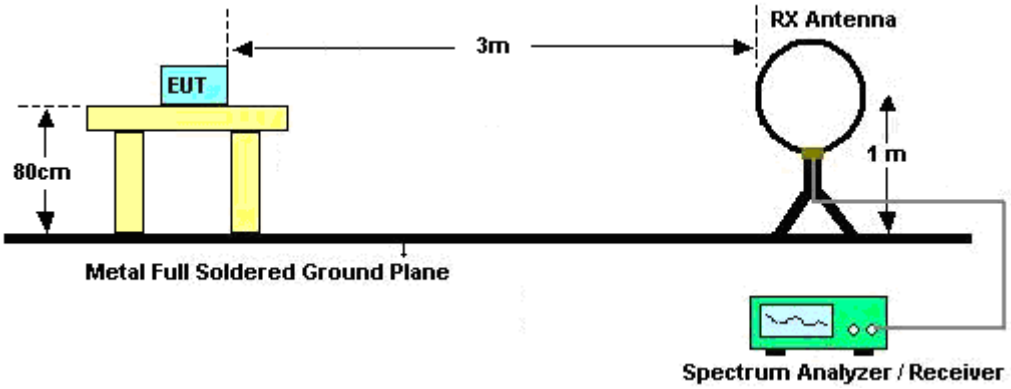
i. If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / *D*)], where *D* is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

ii. If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

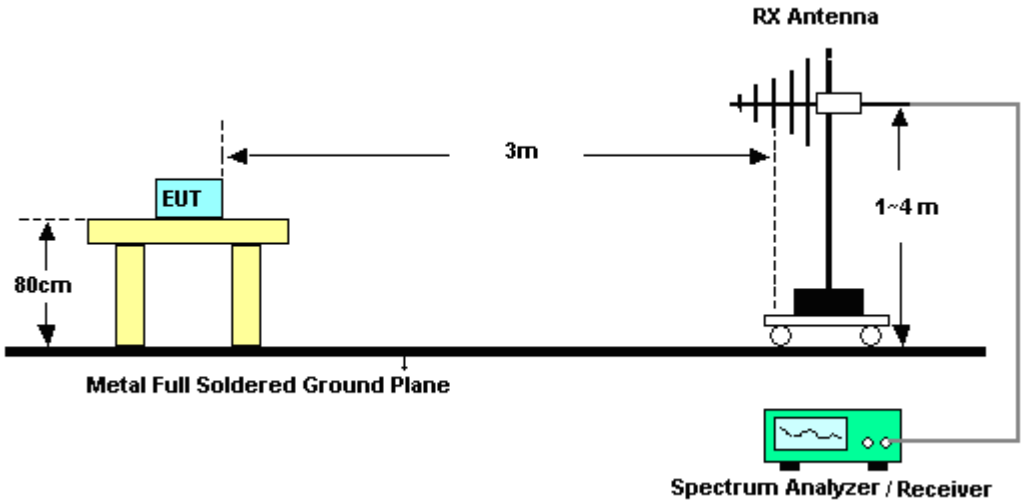
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading.
   When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-"..
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

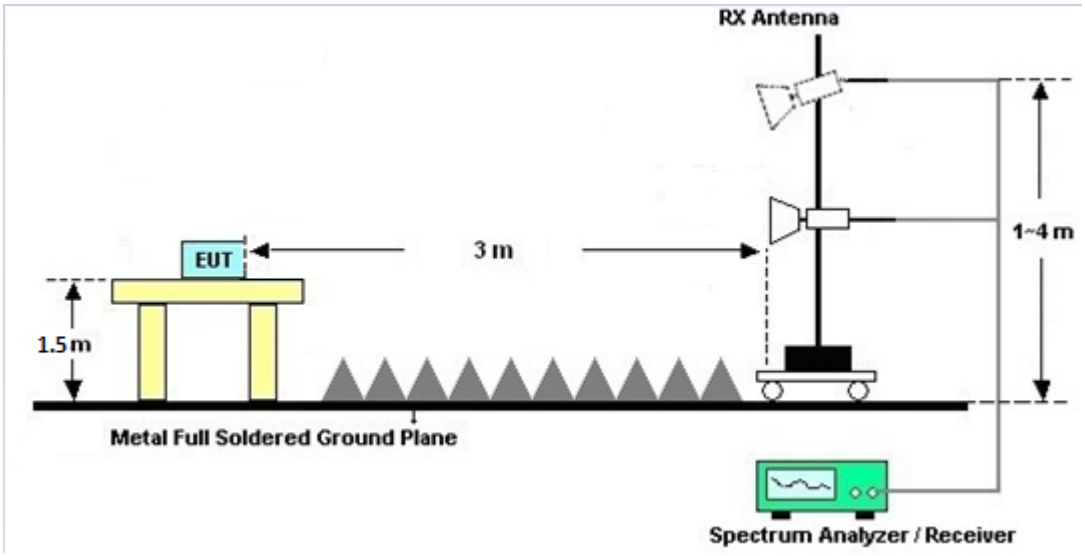
For radiated emissions below 30MHz



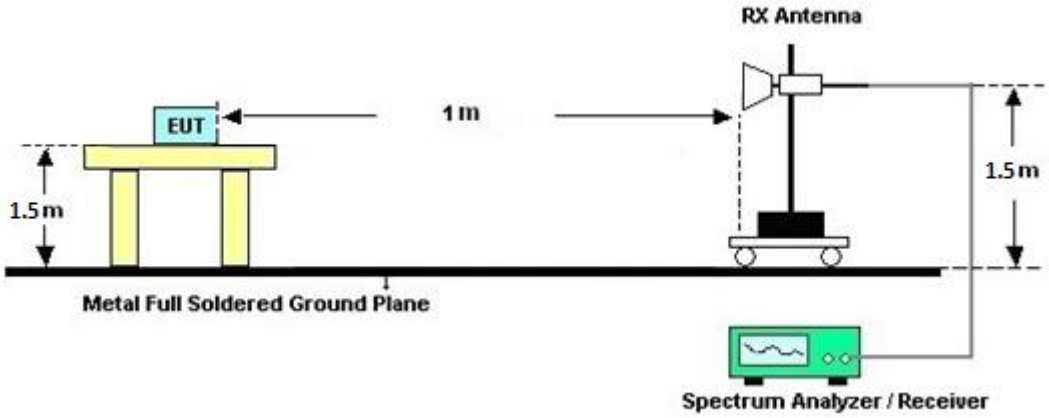
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

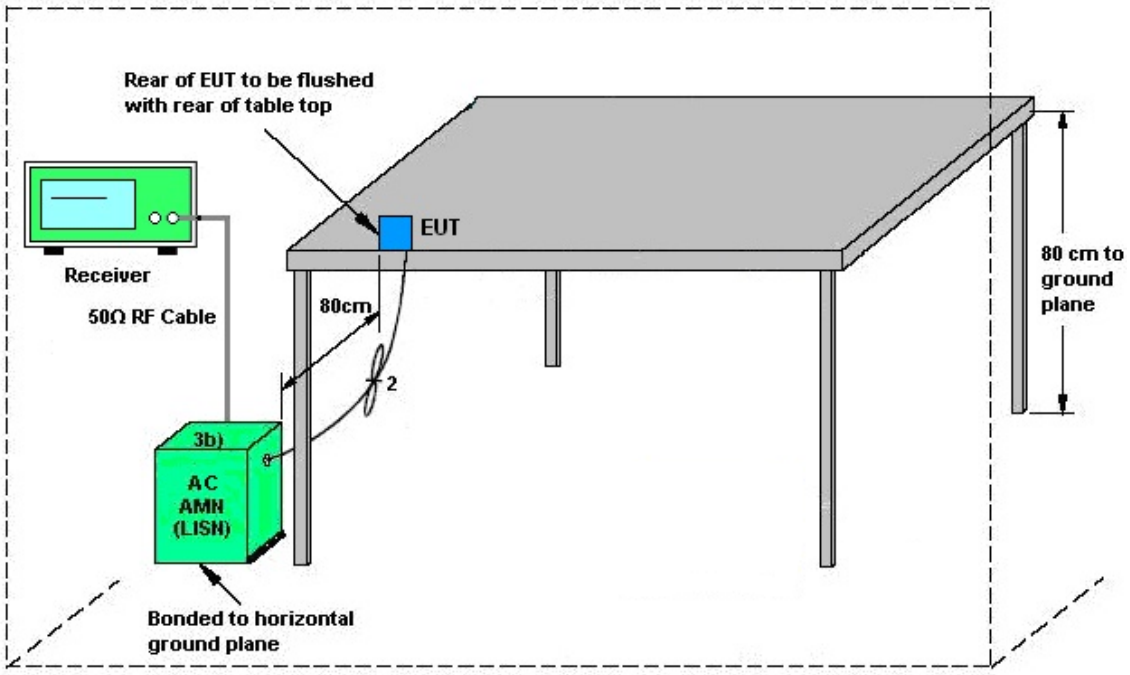
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 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.

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	3.40	2.20	3.40	5.83	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
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Nov. 15, 2021~ Dec. 23, 2021	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2020	Nov. 15, 2021~ Nov. 29, 2021	Nov. 30, 2021	Radiation (03CH07-HY)
Horn Antenna	ESCO	3117	00066584	1GHz~18GHz	Oct. 25, 2021	Nov. 29, 2021~ Dec. 23, 2021	Oct. 24, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Nov. 15, 2021~ Dec. 23, 2021	Jan. 03, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Nov. 15, 2021~ Dec. 23, 2021	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Nov. 15, 2021~ Dec. 23, 2021	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Nov. 15, 2021~ Dec. 23, 2021	Oct. 03, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	Nov. 15, 2021~ Dec. 23, 2021	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682-4	30MHz to 18GHz	Feb. 24, 2021	Nov. 15, 2021~ Dec. 23, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971-4	9kHz to 18GHz	Feb. 24, 2021	Nov. 15, 2021~ Dec. 23, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655-4	9kHz to 18GHz	Feb. 24, 2021	Nov. 15, 2021~ Dec. 23, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2,80 1606/2	18GHz~40GHz	Feb. 24, 2021	Nov. 15, 2021~ Dec. 23, 2021	Feb. 23, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Nov. 15, 2021~ Dec. 23, 2021	Sep. 16, 2022	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Nov. 15, 2021~ Dec. 23, 2021	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Nov. 15, 2021~ Dec. 23, 2021	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Nov. 15, 2021~ Dec. 23, 2021	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Nov. 15, 2021~ Dec. 23, 2021	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Nov. 15, 2021~ Dec. 23, 2021	N/A	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 02, 2020	Nov. 15, 2021~ Nov. 29, 2021	Dec. 01, 2021	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Nov. 30, 2021~ Dec. 23, 2021	Nov. 29, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 23, 2021	Nov. 15, 2021~ Dec. 23, 2021	Jul. 22, 2022	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 09, 2021	Nov. 15, 2021~ Dec. 23, 2021	Mar. 08, 2022	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Nov. 17, 2021~ Dec. 22, 2021	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	Anritsu	MA2411B	846202	300MHz~40GHz	Sep. 30, 2021	Nov. 17, 2021~ Dec. 22, 2021	Sep. 29, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 17, 2021~ Dec. 22, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204(BOX8)	N/A	Jan. 07, 2021	Nov. 17, 2021~ Dec. 22, 2021	Jan. 06, 2022	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 15, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Nov. 15, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Nov. 15, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Nov. 15, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 15, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Nov. 15, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Nov. 15, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.0 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2021/11/17~2021/12/22	Relative Humidity:	51~54	%

Report Number : FR1N0505F

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

Band IV single antenna												
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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	17.38	18.83	25.15	32.55	16.40	16.40	0.5	Pass
11a	6Mbps	1	157	5785	17.38	18.83	25.20	32.70	16.40	16.40	0.5	Pass
11a	6Mbps	1	165	5825	17.33	17.43	28.35	35.80	16.40	16.40	0.5	Pass

Report Number : FR1N0505F

TEST RESULTS DATA
Average Power Table

Band IV single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	18.30	18.20		30.00	30.00	3.40	2.20	Pass
11a	6Mbps	1	157	5785	18.30	18.20		30.00	30.00	3.40	2.20	Pass
11a	6Mbps	1	165	5825	18.10	18.30		30.00	30.00	3.40	2.20	Pass

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	149	5745	18.30	18.40	21.36	30.00		3.40		Pass
HT20	MCS0	2	157	5785	18.40	18.40	21.41	30.00		3.40		Pass
HT20	MCS0	2	165	5825	18.10	18.30	21.21	30.00		3.40		Pass
HT40	MCS0	2	151	5755	18.10	18.40	21.26	30.00		3.40		Pass
HT40	MCS0	2	159	5795	18.00	18.40	21.21	30.00		3.40		Pass
VHT20	MCS0	2	149	5745	18.30	18.40	21.36	30.00		3.40		Pass
VHT20	MCS0	2	157	5785	18.40	18.40	21.41	30.00		3.40		Pass
VHT20	MCS0	2	165	5825	18.10	18.30	21.21	30.00		3.40		Pass
VHT40	MCS0	2	151	5755	18.10	18.40	21.26	30.00		3.40		Pass
VHT40	MCS0	2	159	5795	18.00	18.40	21.21	30.00		3.40		Pass
VHT80	MCS0	2	155	5775	18.00	18.40	21.21	30.00		3.40		Pass

Report Number : FR1N0505F

TEST RESULTS DATA
Power Spectral Density

Band IV single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.12	0.12	2.22	2.22	4.68	4.41		30.00	30.00	3.40	2.20	Pass
11a	6Mbps	1	157	5785	0.12	0.12	2.22	2.22	4.57	4.40		30.00	30.00	3.40	2.20	Pass
11a	6Mbps	1	165	5825	0.12	0.12	2.22	2.22	4.69	4.61		30.00	30.00	3.40	2.20	Pass

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

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

Band IV MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	19.18	19.68	25.95	33.30	18.35	18.59	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.13	19.43	30.90	32.40	18.79	18.19	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.13	20.63	26.55	34.60	18.59	17.39	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.36	44.46	59.46	82.00	37.98	37.80	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.26	43.66	56.35	84.89	37.71	37.44	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.68	78.76	155.43	197.80	77.76	75.68	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	18.40	18.50	21.46	30.00		3.40		Pass
HE20	MCS0	2	149	5745	26/0	11.00	11.10	14.06	30.00		3.40		Pass
HE20	MCS0	2	149	5745	52/37	14.10	13.70	16.91	30.00		3.40		Pass
HE20	MCS0	2	149	5745	106/53	17.40	16.90	20.17	30.00		3.40		Pass
HE20	MCS0	2	157	5785	Full	18.50	18.50	21.51	30.00		3.40		Pass
HE20	MCS0	2	157	5785	26/4	11.20	11.10	14.16	30.00		3.40		Pass
HE20	MCS0	2	157	5785	52/38	14.40	14.20	17.31	30.00		3.40		Pass
HE20	MCS0	2	157	5785	106/53	17.40	17.20	20.31	30.00		3.40		Pass
HE20	MCS0	2	165	5825	Full	18.20	18.40	21.31	30.00		3.40		Pass
HE20	MCS0	2	165	5825	26/8	11.10	11.30	14.21	30.00		3.40		Pass
HE20	MCS0	2	165	5825	52/40	14.10	14.00	17.06	30.00		3.40		Pass
HE20	MCS0	2	165	5825	106/54	17.00	17.10	20.06	30.00		3.40		Pass
HE40	MCS0	2	151	5755	Full	18.20	18.50	21.36	30.00		3.40		Pass
HE40	MCS0	2	151	5755	242/61	16.00	15.80	18.91	30.00		3.40		Pass
HE40	MCS0	2	159	5795	Full	18.10	18.50	21.31	30.00		3.40		Pass
HE40	MCS0	2	159	5795	242/62	16.00	15.50	18.77	30.00		3.40		Pass
HE80	MCS0	2	155	5775	Full	18.10	18.50	21.31	30.00		3.40		Pass
HE80	MCS0	2	155	5775	484/65	15.60	15.80	18.71	30.00		3.40		Pass
HE80	MCS0	2	155	5775	484/66	15.40	15.60	18.51	30.00		3.40		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.37	0.37	2.22		4.53	4.29	7.54	30.00		5.83		Pass
HE20	MCS0	2	149	5745	26/0	0.37	0.37	2.22		4.13	3.93	7.14	30.00		5.83		Pass
HE20	MCS0	2	149	5745	52/37	0.37	0.37	2.22		4.15	3.90	7.16	30.00		5.83		Pass
HE20	MCS0	2	149	5745	106/53	0.37	0.37	2.22		4.42	3.93	7.43	30.00		5.83		Pass
HE20	MCS0	2	157	5785	Full	0.37	0.37	2.22		4.71	4.43	7.72	30.00		5.83		Pass
HE20	MCS0	2	157	5785	26/4	0.37	0.37	2.22		4.30	4.38	7.39	30.00		5.83		Pass
HE20	MCS0	2	157	5785	52/38	0.37	0.37	2.22		4.59	4.22	7.60	30.00		5.83		Pass
HE20	MCS0	2	157	5785	106/53	0.37	0.37	2.22		4.55	4.03	7.56	30.00		5.83		Pass
HE20	MCS0	2	165	5825	Full	0.37	0.37	2.22		4.53	4.62	7.63	30.00		5.83		Pass
HE20	MCS0	2	165	5825	26/8	0.37	0.37	2.22		4.35	4.34	7.36	30.00		5.83		Pass
HE20	MCS0	2	165	5825	52/40	0.37	0.37	2.22		4.20	4.15	7.21	30.00		5.83		Pass
HE20	MCS0	2	165	5825	106/54	0.37	0.37	2.22		4.23	4.25	7.26	30.00		5.83		Pass
HE40	MCS0	2	151	5755	Full	0.61	0.67	2.22		0.25	0.75	3.76	30.00		5.83		Pass
HE40	MCS0	2	151	5755	242/61	0.61	0.67	2.22		0.22	0.48	3.49	30.00		5.83		Pass
HE40	MCS0	2	159	5795	Full	0.61	0.67	2.22		0.52	1.09	4.10	30.00		5.83		Pass
HE40	MCS0	2	159	5795	242/62	0.61	0.67	2.22		0.76	0.98	3.99	30.00		5.83		Pass
HE80	MCS0	2	155	5775	Full	0.99	1.01	2.22		-1.94	-1.94	1.07	30.00		5.83		Pass
HE80	MCS0	2	155	5775	484/65	0.99	1.01	2.22		-2.17	-2.16	0.85	30.00		5.83		Pass
HE80	MCS0	2	155	5775	484/66	0.99	1.01	2.22		-2.28	-1.92	1.09	30.00		5.83		Pass

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

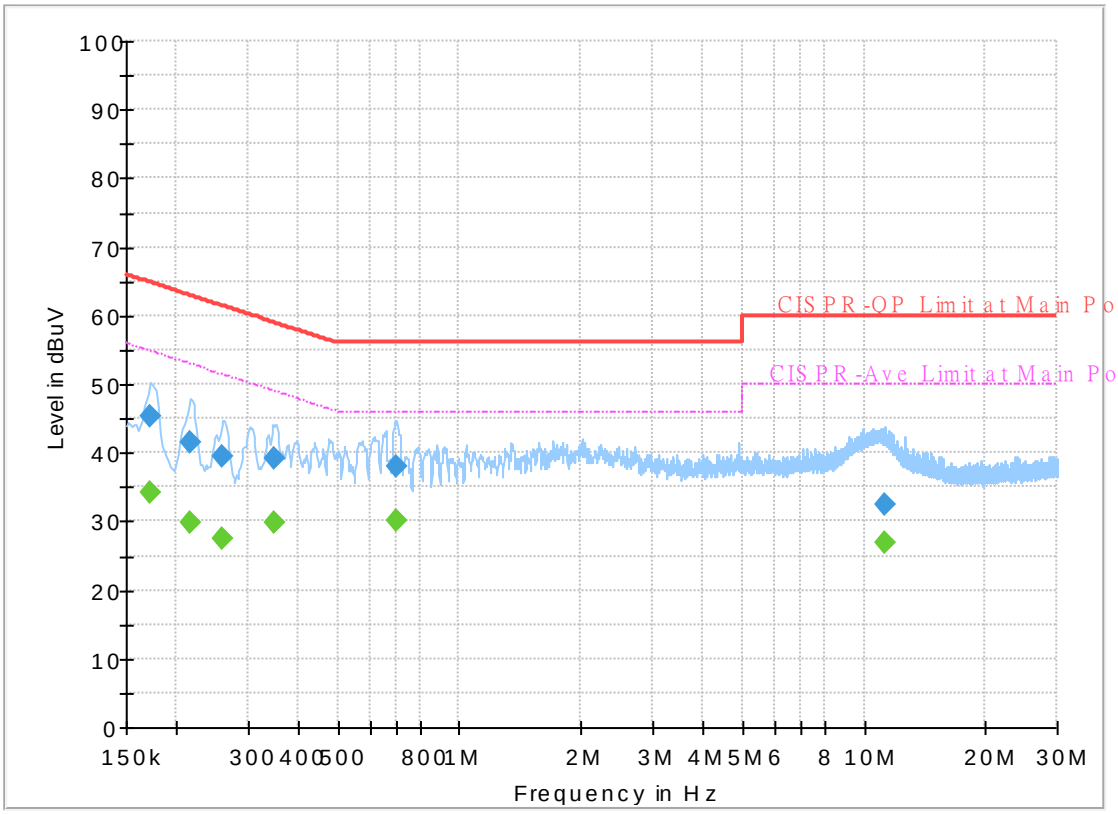
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	1N0505
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



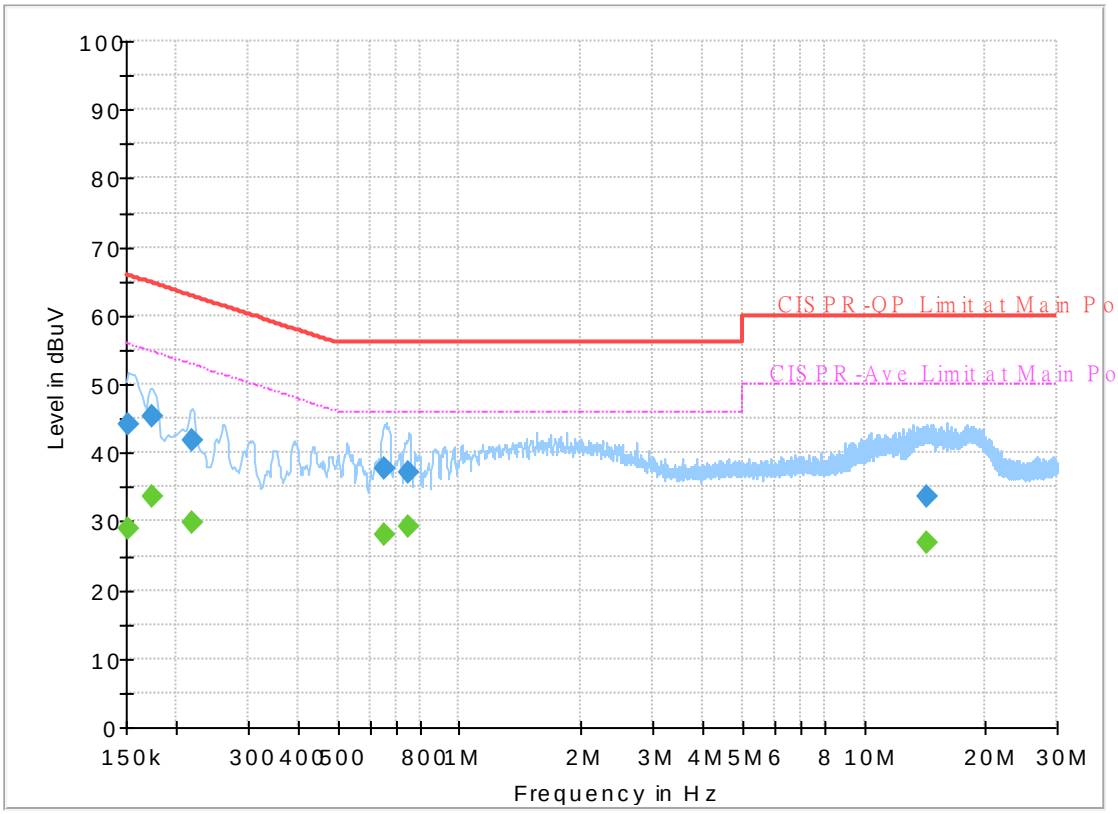
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	---	34.11	54.84	20.73	L1	OFF	19.7
0.172500	45.22	---	64.84	19.62	L1	OFF	19.7
0.215250	---	29.80	53.00	23.20	L1	OFF	19.7
0.215250	41.49	---	63.00	21.51	L1	OFF	19.7
0.260250	---	27.63	51.42	23.79	L1	OFF	19.7
0.260250	39.35	---	61.42	22.07	L1	OFF	19.7
0.350250	---	29.80	48.96	19.16	L1	OFF	19.7
0.350250	39.15	---	58.96	19.81	L1	OFF	19.7
0.701250	---	30.13	46.00	15.87	L1	OFF	20.0
0.701250	38.12	---	56.00	17.88	L1	OFF	20.0
11.314500	---	26.82	50.00	23.18	L1	OFF	20.2
11.314500	32.51	---	60.00	27.49	L1	OFF	20.2

EUT Information

Report NO :	1N0505
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.96	55.88	26.92	N	OFF	19.7
0.152250	44.26	---	65.88	21.62	N	OFF	19.7
0.174750	---	33.53	54.73	21.20	N	OFF	19.7
0.174750	45.28	---	64.73	19.45	N	OFF	19.7
0.217500	---	29.79	52.91	23.12	N	OFF	19.7
0.217500	41.83	---	62.91	21.08	N	OFF	19.7
0.649500	---	28.20	46.00	17.80	N	OFF	20.0
0.649500	37.67	---	56.00	18.33	N	OFF	20.0
0.750750	---	29.39	46.00	16.61	N	OFF	20.0
0.750750	37.11	---	56.00	18.89	N	OFF	20.0
14.255250	---	26.95	50.00	23.05	N	OFF	20.3
14.255250	33.75	---	60.00	26.25	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	17.9~22.2°C
		Relative Humidity :	53.1~69%

<Sample 1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5624.8	49.42	-18.78	68.2	37.36	34.9	12.3	35.14	242	310	P	H
		5689.2	53.62	-43.62	97.24	41.45	34.96	12.37	35.16	242	310	P	H
		5719.2	59.18	-51.4	110.58	46.94	35	12.4	35.16	242	310	P	H
		5724.2	63.47	-56.91	120.38	51.23	35	12.4	35.16	242	310	P	H
	*	5745	106.06	-	-	93.81	35	12.42	35.17	242	310	P	H
	*	5745	99.36	-	-	87.11	35	12.42	35.17	242	310	A	H
													H
													H
		5605.4	49.25	-18.95	68.2	37.12	34.98	12.29	35.14	279	360	P	V
		5684	52.12	-41.28	93.4	39.98	34.94	12.36	35.16	279	360	P	V
		5719.6	60.35	-50.34	110.69	48.11	35	12.4	35.16	279	360	P	V
		5725	65.17	-57.03	122.2	52.93	35	12.4	35.16	279	360	P	V
	*	5745	110.23	-	-	97.98	35	12.42	35.17	279	360	P	V
	*	5745	101.86	-	-	89.61	35	12.42	35.17	279	360	A	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5602.6	48.83	-19.37	68.2	36.7	34.99	12.28	35.14	286	310	P	H
		5683.4	48.88	-44.07	92.95	36.75	34.93	12.36	35.16	286	310	P	H
		5711.6	50.16	-58.29	108.45	37.93	35	12.39	35.16	286	310	P	H
		5724.8	51.68	-70.06	121.74	39.44	35	12.4	35.16	286	310	P	H
	*	5785	107.33	-	-	95.18	34.86	12.46	35.17	286	310	P	H
	*	5785	100.35	-	-	88.2	34.86	12.46	35.17	286	310	A	H
		5850	49.81	-72.39	122.2	37.68	34.8	12.51	35.18	286	310	P	H
		5865.2	49.81	-58.13	107.94	37.62	34.86	12.52	35.19	286	310	P	H
		5906.2	50.37	-31.71	82.08	38	35.01	12.55	35.19	286	310	P	H
		5937	50.37	-17.83	68.2	37.93	35.07	12.57	35.2	286	310	P	H
													H
802.11a CH 157 5785MHz													H
		5603.6	48.87	-19.33	68.2	36.74	34.99	12.28	35.14	249	44	P	V
		5692.6	49.16	-50.58	99.74	36.98	34.97	12.37	35.16	249	44	P	V
		5710	52.17	-55.83	108	39.94	35	12.39	35.16	249	44	P	V
		5723	52.86	-64.78	117.64	40.62	35	12.4	35.16	249	44	P	V
	*	5785	110.23	-	-	98.08	34.86	12.46	35.17	249	44	P	V
	*	5785	102.75	-	-	90.6	34.86	12.46	35.17	249	44	A	V
		5853.4	50.68	-63.77	114.45	38.54	34.81	12.51	35.18	249	44	P	V
		5860.2	50.25	-59.09	109.34	38.08	34.84	12.52	35.19	249	44	P	V
		5915.4	50.57	-24.71	75.28	38.18	35.03	12.56	35.2	249	44	P	V
		5945	49.75	-18.45	68.2	37.29	35.09	12.57	35.2	249	44	P	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	108.14	-	-	96.02	34.8	12.5	35.18	167	305	P	H
	*	5825	100.52	-	-	88.4	34.8	12.5	35.18	167	305	A	H
		5850	68.74	-53.46	122.2	56.61	34.8	12.51	35.18	167	305	P	H
		5855	60.86	-49.94	110.8	48.7	34.82	12.52	35.18	167	305	P	H
		5877.6	51.85	-51.42	103.27	39.6	34.91	12.53	35.19	167	305	P	H
		5939.8	48.89	-19.31	68.2	36.44	35.08	12.57	35.2	167	305	P	H
													H
802.11a													H
CH 165	*	5825	109.72	-	-	97.6	34.8	12.5	35.18	260	36	P	V
5825MHz	*	5825	102.42	-	-	90.3	34.8	12.5	35.18	260	36	A	V
		5850.2	67.03	-54.71	121.74	54.9	34.8	12.51	35.18	260	36	P	V
		5865.6	59.97	-47.86	107.83	47.78	34.86	12.52	35.19	260	36	P	V
		5880.4	55.38	-45.81	101.19	43.12	34.92	12.53	35.19	260	36	P	V
		5925.8	49.52	-18.68	68.2	37.11	35.05	12.56	35.2	260	36	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	45.97	-28.03	74	45.63	38.38	19.5	57.54	-	-	P	H
		13369	47.78	-26.22	74	45.45	39.33	21.22	58.22	-	-	P	H
		14491	49.66	-24.34	74	45.78	39.67	22.3	58.09	-	-	P	H
		14491	38.73	-15.27	54	34.85	39.67	22.3	58.09	-	-	A	H
		17235	51.69	-16.51	68.2	41.07	42.2	24.93	56.51	-	-	P	H
		17956	52.16	-21.84	74	40.72	41.84	25.61	56.01	-	-	P	H
		17956	42.19	-11.81	54	30.75	41.84	25.61	56.01	-	-	A	H
													H
													H
													H
													H
													H
		11490	46.27	-27.73	74	45.93	38.38	19.5	57.54	-	-	P	V
		13402	48.33	-19.87	68.2	46.01	39.3	21.25	58.23	-	-	P	V
		13402	37.52	-16.48	54	35.2	39.3	21.25	58.23	-	-	A	V
		14499	48.12	-25.88	74	44.2	39.7	22.31	58.09	-	-	P	V
		14499	37.95	-16.05	54	34.03	39.7	22.31	58.09	-	-	A	V
		17235	51.42	-16.78	68.2	40.8	42.2	24.93	56.51	-	-	P	V
		17714	52.14	-21.86	74	40.93	41.97	25.39	56.15	-	-	P	V
		17714	41.64	-12.36	54	30.43	41.97	25.39	56.15	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	46.57	-27.43	74	45.87	38.54	19.57	57.41	-	-	P	H
		13325	48.33	-25.67	74	45.98	39.38	21.18	58.21	-	-	P	H
		13325	36.85	-17.15	54	34.5	39.38	21.18	58.21	-	-	A	H
		14499	48.21	-25.79	74	44.29	39.7	22.31	58.09	-	-	P	H
		14499	38.28	-15.72	54	34.36	39.7	22.31	58.09	-	-	A	H
		17355	51.95	-16.25	68.2	41.15	42.15	25.05	56.4	-	-	P	H
		17714	52.62	-21.38	74	41.41	41.97	25.39	56.15	-	-	P	H
		17714	42.05	-11.95	54	30.84	41.97	25.39	56.15	-	-	A	H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	45.71	-28.29	74	45.01	38.54	19.57	57.41	-	-	P	V
		13399	48.21	-25.79	74	45.89	39.3	21.25	58.23	-	-	P	V
		13399	37.27	-16.73	54	34.95	39.3	21.25	58.23	-	-	A	V
		14499	48.39	-25.61	74	44.47	39.7	22.31	58.09	-	-	P	V
		14499	38.45	-15.55	54	34.53	39.7	22.31	58.09	-	-	A	V
		17355	51.67	-16.53	68.2	40.87	42.15	25.05	56.4	-	-	P	V
		17736	52.77	-21.23	74	41.57	41.93	25.41	56.14	-	-	P	V
		17736	41.98	-12.02	54	30.78	41.93	25.41	56.14	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	46.2	-27.8	74	45.19	38.65	19.64	57.28	-	-	P	H
		13380	48.24	-25.76	74	45.92	39.32	21.23	58.23	-	-	P	H
		13380	37.09	-16.91	54	34.77	39.32	21.23	58.23	-	-	A	H
		14491	48.37	-25.63	74	44.49	39.67	22.3	58.09	-	-	P	H
		14491	38.68	-15.32	54	34.8	39.67	22.3	58.09	-	-	A	H
		17475	52.1	-16.1	68.2	41.07	42.17	25.16	56.3	-	-	P	H
		17747	52.36	-21.64	74	41.16	41.91	25.42	56.13	-	-	P	H
		17747	41.77	-12.23	54	30.57	41.91	25.42	56.13	-	-	A	H
													H
													H
													H
802.11a													H
CH 165		11650	47.22	-26.78	74	46.21	38.65	19.64	57.28	-	-	P	V
5825MHz		13380	48.96	-25.04	74	46.64	39.32	21.23	58.23	-	-	P	V
		13380	37.36	-16.64	54	35.04	39.32	21.23	58.23	-	-	A	V
		14491	48.13	-25.87	74	44.25	39.67	22.3	58.09	-	-	P	V
		14491	38.24	-15.76	54	34.36	39.67	22.3	58.09	-	-	A	V
		17475	52.37	-15.83	68.2	41.34	42.17	25.16	56.3	-	-	P	V
		17912	52.68	-21.32	74	41.25	41.89	25.57	56.03	-	-	P	V
		17912	42.41	-11.59	54	30.98	41.89	25.57	56.03	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30	23.29	-16.71	40	27.85	24.57	0.9	30.03	-	-	P	H
		153.66	25.75	-17.75	43.5	36.81	16.84	2.08	29.98	-	-	P	H
		195.78	25.68	-17.82	43.5	38.42	14.89	2.34	29.97	-	-	P	H
		313.3	29.7	-16.3	46	37.47	19.35	2.86	29.98	-	-	P	H
		890.1	31.77	-14.23	46	27.41	28.69	4.65	28.98	-	-	P	H
		950.3	33.31	-12.69	46	26.82	30.33	4.87	28.71	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30	33.39	-6.61	40	37.95	24.57	0.9	30.03			P	V
		57.81	23.12	-16.88	40	39.83	11.94	1.36	30.01	-	-	P	V
		155.55	21.91	-21.59	43.5	32.99	16.81	2.09	29.98	-	-	P	V
		307.7	26.18	-19.82	46	34.03	19.29	2.84	29.98	-	-	P	V
		901.3	31.29	-14.71	46	26.92	28.61	4.67	28.91	-	-	P	V
		951.7	32.41	-13.59	46	25.84	30.39	4.88	28.7	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5636	48.97	-19.23	68.2	36.94	34.86	12.32	35.15	102	232	P	H
		5700	62.53	-42.67	105.2	50.31	35	12.38	35.16	102	232	P	H
		5720	71.32	-39.48	110.8	59.08	35	12.4	35.16	102	232	P	H
		5724.6	76.19	-45.1	121.29	63.95	35	12.4	35.16	102	232	P	H
	*	5745	111.38	-	-	99.13	35	12.42	35.17	102	232	P	H
	*	5745	104.6	-	-	92.35	35	12.42	35.17	102	232	A	H
													H
802.11a													H
CH 149		5614.6	48.43	-19.77	68.2	36.34	34.94	12.29	35.14	105	115	P	V
5745MHz		5700	59.08	-46.12	105.2	46.86	35	12.38	35.16	105	115	P	V
		5717.4	70.43	-39.64	110.07	58.19	35	12.4	35.16	105	115	P	V
		5725	73.33	-48.87	122.2	61.09	35	12.4	35.16	105	115	P	V
	*	5745	108.62	-	-	96.37	35	12.42	35.17	105	115	P	V
	*	5745	101.21	-	-	88.96	35	12.42	35.17	105	115	A	V
													V
													V

WIFI Ant. 2	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)
		5634.6	48.43	-19.77	68.2	36.41	34.86	12.31	35.15	100	232	P	H
		5690.6	49.93	-48.34	98.27	37.76	34.96	12.37	35.16	100	232	P	H
		5718.2	54.8	-55.5	110.3	42.56	35	12.4	35.16	100	232	P	H
		5725	54.43	-67.77	122.2	42.19	35	12.4	35.16	100	232	P	H
	*	5785	111.95	-	-	99.8	34.86	12.46	35.17	100	232	P	H
	*	5785	104.41	-	-	92.26	34.86	12.46	35.17	100	232	A	H
		5852.2	54.14	-63.04	117.18	42	34.81	12.51	35.18	100	232	P	H
		5855.2	54.02	-56.72	110.74	41.86	34.82	12.52	35.18	100	232	P	H
		5907	50.56	-30.92	81.48	38.19	35.01	12.55	35.19	100	232	P	H
		5929.8	51.21	-16.99	68.2	38.79	35.06	12.56	35.2	100	232	P	H
													H
802.11a CH 157 5785MHz													H
		5636.6	48.65	-19.55	68.2	36.63	34.85	12.32	35.15	100	115	P	V
		5675	49.35	-37.39	86.74	37.25	34.9	12.35	35.15	100	115	P	V
		5720	53.88	-56.92	110.8	41.64	35	12.4	35.16	100	115	P	V
		5720	53.88	-56.92	110.8	41.64	35	12.4	35.16	100	115	P	V
	*	5785	107.16	-	-	95.01	34.86	12.46	35.17	100	115	P	V
	*	5785	100.29	-	-	88.14	34.86	12.46	35.17	100	115	A	V
		5853.8	51.78	-61.76	113.54	39.63	34.82	12.51	35.18	100	115	P	V
		5856.6	50.09	-60.26	110.35	37.92	34.83	12.52	35.18	100	115	P	V
		5918.6	49.93	-22.99	72.92	37.53	35.04	12.56	35.2	100	115	P	V
		5929.2	49.72	-18.48	68.2	37.3	35.06	12.56	35.2	100	115	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	111.37	-	-	99.25	34.8	12.5	35.18	100	236	P	H
	*	5825	104.4	-	-	92.28	34.8	12.5	35.18	100	236	A	H
		5851.4	75.13	-43.88	119.01	62.99	34.81	12.51	35.18	100	236	P	H
		5855	71.48	-39.32	110.8	59.32	34.82	12.52	35.18	100	236	P	H
		5876.4	58.7	-45.46	104.16	46.45	34.91	12.53	35.19	100	236	P	H
		5937.6	51.04	-17.16	68.2	38.59	35.08	12.57	35.2	100	236	P	H
													H
802.11a													H
CH 165	*	5825	108.08	-	-	95.96	34.8	12.5	35.18	100	116	P	V
5825MHz	*	5825	100.72	-	-	88.6	34.8	12.5	35.18	100	116	A	V
		5852.4	68.19	-48.54	116.73	56.05	34.81	12.51	35.18	100	116	P	V
		5855.4	63.83	-46.86	110.69	51.67	34.82	12.52	35.18	100	116	P	V
		5875.6	53.69	-51.06	104.75	41.45	34.9	12.53	35.19	100	116	P	V
		5927	50.08	-18.12	68.2	37.67	35.05	12.56	35.2	100	116	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	45.84	-28.16	74	45.5	38.38	19.5	57.54	-	-	P	H
		13336	48.51	-25.49	74	46.17	39.36	21.19	58.21	-	-	P	H
		13336	36.83	-17.17	54	34.49	39.36	21.19	58.21	-	-	A	H
		14491	47.87	-26.13	74	43.99	39.67	22.3	58.09	-	-	P	H
		17235	51.15	-17.05	68.2	40.53	42.2	24.93	56.51	-	-	P	H
		17747	52.38	-21.62	74	41.18	41.91	25.42	56.13	-	-	P	H
		17747	42.49	-11.51	54	31.29	41.91	25.42	56.13	-	-	A	H
													H
													H
													H
													H
802.11a CH 149 5745MHz													H
		11490	45.59	-28.41	74	45.25	38.38	19.5	57.54	-	-	P	V
		13336	47.9	-26.1	74	45.56	39.36	21.19	58.21	-	-	P	V
		14499	48.54	-25.46	74	44.62	39.7	22.31	58.09	-	-	P	V
		14499	39.09	-14.91	54	35.17	39.7	22.31	58.09	-	-	A	V
		17235	50.74	-17.46	68.2	40.12	42.2	24.93	56.51	-	-	P	V
		17791	51.95	-22.05	74	40.78	41.82	25.46	56.11	-	-	P	V
		17791	42.22	-11.78	54	31.05	41.82	25.46	56.11	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 2	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)
		11570	46.55	-27.45	74	45.85	38.54	19.57	57.41	-	-	P	H
		13325	48.19	-25.81	74	45.84	39.38	21.18	58.21	-	-	P	H
		13325	36.78	-17.22	54	34.43	39.38	21.18	58.21	-	-	A	H
		14491	48.41	-25.59	74	44.53	39.67	22.3	58.09	-	-	P	H
		14491	38.9	-15.1	54	35.02	39.67	22.3	58.09	-	-	A	H
		17355	52.24	-15.96	68.2	41.44	42.15	25.05	56.4	-	-	P	H
		17890	52.63	-21.37	74	41.25	41.89	25.54	56.05	-	-	P	H
		17890	42.3	-11.7	54	30.92	41.89	25.54	56.05	-	-	A	H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	45.97	-28.03	74	45.27	38.54	19.57	57.41	-	-	P	V
		13391	48.39	-25.61	74	46.07	39.31	21.24	58.23	-	-	P	V
		13391	36.9	-17.1	54	34.58	39.31	21.24	58.23	-	-	A	V
		14499	48.45	-25.55	74	44.53	39.7	22.31	58.09	-	-	P	V
		14499	39	-15	54	35.08	39.7	22.31	58.09	-	-	A	V
		17355	51.9	-16.3	68.2	41.1	42.15	25.05	56.4	-	-	P	V
		17857	52.8	-21.2	74	41.5	41.86	25.51	56.07	-	-	P	V
		17857	42.13	-11.87	54	30.83	41.86	25.51	56.07	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 2	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)
		11650	47.15	-26.85	74	46.14	38.65	19.64	57.28	-	-	P	H
		13369	48.24	-25.76	74	45.91	39.33	21.22	58.22	-	-	P	H
		13369	37.04	-16.96	54	34.71	39.33	21.22	58.22	-	-	A	H
		14499	49.09	-24.91	74	45.17	39.7	22.31	58.09	-	-	P	H
		14499	38.97	-15.03	54	35.05	39.7	22.31	58.09	-	-	A	H
		17475	51.4	-16.8	68.2	40.37	42.17	25.16	56.3	-	-	P	H
		17868	52.11	-21.89	74	40.78	41.87	25.52	56.06	-	-	P	H
		17868	41.97	-12.03	54	30.64	41.87	25.52	56.06	-	-	A	H
													H
													H
													H
802.11a													H
CH 165		11650	46.55	-27.45	74	45.54	38.65	19.64	57.28	-	-	P	V
5825MHz		13292	49.1	-24.9	74	46.77	39.38	21.15	58.2	-	-	P	V
		13292	36.5	-17.5	54	34.17	39.38	21.15	58.2	-	-	A	V
		14480	47.71	-26.29	74	43.87	39.64	22.29	58.09	-	-	P	V
		14480	38.95	-15.05	54	35.11	39.64	22.29	58.09	-	-	A	V
		17475	52.6	-15.6	68.2	41.57	42.17	25.16	56.3	-	-	P	V
		17725	52.43	-21.57	74	41.23	41.95	25.4	56.15	-	-	P	V
		17725	42.82	-11.18	54	31.62	41.95	25.4	56.15	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.27	23.46	-16.54	40	28.17	24.37	0.95	30.03	-	-	P	H
		159.33	27.85	-15.65	43.5	38.99	16.53	2.31	29.98	-	-	P	H
		198.75	29.89	-13.61	43.5	42.34	14.96	2.56	29.97	-	-	P	H
		321.7	32.31	-13.69	46	39.79	19.45	3.05	29.98	-	-	P	H
		925.1	32.86	-13.14	46	27.47	29.05	5.15	28.81	-	-	P	H
		958	33.3	-12.7	46	26	30.71	5.27	28.68	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30	32.92	-7.08	40	37.44	24.57	0.94	30.03	-	-	P	V
		47.55	28.41	-11.59	40	41.8	15.29	1.33	30.01	-	-	P	V
		58.35	24.43	-15.57	40	41.13	11.83	1.48	30.01	-	-	P	V
		318.2	26.68	-19.32	46	34.23	19.39	3.04	29.98	-	-	P	V
		916.7	32.07	-13.93	46	26.9	28.89	5.12	28.84	-	-	P	V
		956.6	33.61	-12.39	46	26.39	30.63	5.27	28.68	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5647.8	51.48	-16.72	68.2	39.7	34.6	12.33	35.15	100	336	P	H
		5692	61.23	-38.07	99.3	49.32	34.7	12.37	35.16	100	336	P	H
		5719.6	73.21	-37.48	110.69	61.27	34.7	12.4	35.16	100	336	P	H
		5723.8	78.49	-40.97	119.46	66.55	34.7	12.4	35.16	100	336	P	H
	*	5745	111.26	-	-	99.31	34.7	12.42	35.17	100	336	P	H
	*	5745	101.84	-	-	89.89	34.7	12.42	35.17	100	336	A	H
802.11ax													H
HE20 Full													H
CH 149		5644.4	49.59	-18.61	68.2	37.82	34.6	12.32	35.15	362	231	P	V
5745MHz		5698.4	59.49	-44.53	104.02	47.57	34.7	12.38	35.16	362	231	P	V
		5718.8	68.22	-42.24	110.46	56.28	34.7	12.4	35.16	362	231	P	V
		5725	76.41	-45.79	122.2	64.47	34.7	12.4	35.16	362	231	P	V
	*	5745	108.8	-	-	96.85	34.7	12.42	35.17	362	231	P	V
	*	5745	100.22	-	-	88.27	34.7	12.42	35.17	362	231	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5624.6	48.69	-19.51	68.2	36.83	34.7	12.3	35.14	100	343	P	H
		5663.2	49.61	-28.39	78	37.92	34.5	12.34	35.15	100	343	P	H
		5710.8	55.22	-53.01	108.23	43.29	34.7	12.39	35.16	100	343	P	H
		5724.4	53.37	-67.46	120.83	41.43	34.7	12.4	35.16	100	343	P	H
	*	5785	111.07	-	-	99.01	34.77	12.46	35.17	100	343	P	H
	*	5785	101.77	-	-	89.71	34.77	12.46	35.17	100	343	A	H
		5853.2	56.57	-58.33	114.9	44.34	34.9	12.51	35.18	100	343	P	H
		5856.6	53.88	-56.47	110.35	41.64	34.9	12.52	35.18	100	343	P	H
		5908.8	49.59	-30.56	80.15	37.31	34.93	12.55	35.2	100	343	P	H
		5949.2	50.55	-17.65	68.2	38.17	35	12.58	35.2	100	343	P	H
802.11ax													H
HE20 Full													H
CH 157		5613	49.24	-18.96	68.2	37.29	34.8	12.29	35.14	100	303	P	V
5785MHz		5697.6	49.85	-53.58	103.43	37.93	34.7	12.38	35.16	100	303	P	V
		5717	56.5	-53.46	109.96	44.56	34.7	12.4	35.16	100	303	P	V
		5725	56.95	-65.25	122.2	45.01	34.7	12.4	35.16	100	303	P	V
	*	5785	109.29	-	-	97.23	34.77	12.46	35.17	100	303	P	V
	*	5785	100.85	-	-	88.79	34.77	12.46	35.17	100	303	A	V
		5852.6	54.66	-61.61	116.27	42.43	34.9	12.51	35.18	100	303	P	V
		5863.8	53.38	-54.95	108.33	41.15	34.9	12.52	35.19	100	303	P	V
		5896	50.45	-39.17	89.62	38.2	34.9	12.54	35.19	100	303	P	V
		5947.6	50.71	-17.49	68.2	38.33	35	12.58	35.2	100	303	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	111.73	-	-	99.54	34.87	12.5	35.18	100	1	P	H
	*	5825	102.4	-	-	90.21	34.87	12.5	35.18	100	1	A	H
		5850.2	78.31	-43.43	121.74	66.08	34.9	12.51	35.18	100	1	P	H
		5859.2	70.36	-39.26	109.62	58.13	34.9	12.52	35.19	100	1	P	H
		5877.8	56.7	-46.42	103.12	44.46	34.9	12.53	35.19	100	1	P	H
		5931	50.59	-17.61	68.2	38.25	34.97	12.57	35.2	100	1	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	109.32	-	-	97.13	34.87	12.5	35.18	100	245	P	V
5825MHz	*	5825	100.91	-	-	88.72	34.87	12.5	35.18	100	245	A	V
		5851.8	75.1	-43	118.1	62.87	34.9	12.51	35.18	100	245	P	V
		5860.8	70.33	-38.84	109.17	58.1	34.9	12.52	35.19	100	245	P	V
		5875	55.8	-49.4	105.2	43.56	34.9	12.53	35.19	100	245	P	V
		5928	50.64	-17.56	68.2	38.31	34.97	12.56	35.2	100	245	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 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	46.35	-27.65	74	46.01	38.38	19.5	57.54	-	-	P	H
		13391	48.67	-25.33	74	46.35	39.31	21.24	58.23	-	-	P	H
		13391	37.16	-16.84	54	34.84	39.31	21.24	58.23	-	-	A	H
		14499	48.82	-25.18	74	44.9	39.7	22.31	58.09	-	-	P	H
		14499	39.12	-14.88	54	35.2	39.7	22.31	58.09	-	-	A	H
		17235	51.68	-16.52	68.2	41.06	42.2	24.93	56.51	-	-	P	H
		17780	52.38	-21.62	74	41.2	41.84	25.45	56.11	-	-	P	H
		17780	42.56	-11.44	54	31.38	41.84	25.45	56.11	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	46.35	-27.65	74	46.01	38.38	19.5	57.54	-	-	P	V
5745MHz		13358	48.2	-25.8	74	45.87	39.34	21.21	58.22	-	-	P	V
		13358	37.18	-16.82	54	34.85	39.34	21.21	58.22	-	-	A	V
		14499	48.03	-25.97	74	44.11	39.7	22.31	58.09	-	-	P	V
		14499	39.02	-14.98	54	35.1	39.7	22.31	58.09	-	-	A	V
		17235	53.47	-14.73	68.2	42.85	42.2	24.93	56.51	-	-	P	V
		17791	52.79	-21.21	74	41.62	41.82	25.46	56.11	-	-	P	V
		17791	42.42	-11.58	54	31.25	41.82	25.46	56.11	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		11570	45.19	-28.81	74	44.49	38.54	19.57	57.41	-	-	P	H
		13369	48.74	-25.26	74	46.41	39.33	21.22	58.22	-	-	P	H
		13369	37.2	-16.8	54	34.87	39.33	21.22	58.22	-	-	A	H
		14499	48.89	-25.11	74	44.97	39.7	22.31	58.09	-	-	P	H
		14499	38.95	-15.05	54	35.03	39.7	22.31	58.09	-	-	A	H
		17355	52.65	-15.55	68.2	41.85	42.15	25.05	56.4	-	-	P	H
		17725	52.7	-21.3	74	41.5	41.95	25.4	56.15	-	-	P	H
		17725	42.64	-11.36	54	31.44	41.95	25.4	56.15	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	45.6	-28.4	74	44.9	38.54	19.57	57.41	-	-	P	V
5785MHz		13325	48.55	-25.45	74	46.2	39.38	21.18	58.21	-	-	P	V
		13325	36.89	-17.11	54	34.54	39.38	21.18	58.21	-	-	A	V
		14491	48.79	-25.21	74	44.91	39.67	22.3	58.09	-	-	P	V
		14491	38.94	-15.06	54	35.06	39.67	22.3	58.09	-	-	A	V
		17355	52.78	-15.42	68.2	41.98	42.15	25.05	56.4	-	-	P	V
		17714	52.85	-21.15	74	41.64	41.97	25.39	56.15	-	-	P	V
		17714	42.75	-11.25	54	31.54	41.97	25.39	56.15	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		11650	46.55	-27.45	74	45.54	38.65	19.64	57.28	-	-	P	H
		13399	48.71	-25.29	74	46.39	39.3	21.25	58.23	-	-	P	H
		13399	36.88	-17.12	54	34.56	39.3	21.25	58.23	-	-	A	H
		14491	48.02	-25.98	74	44.14	39.67	22.3	58.09	-	-	P	H
		14491	38.89	-15.11	54	35.01	39.67	22.3	58.09	-	-	A	H
		17475	52.8	-15.4	68.2	41.77	42.17	25.16	56.3	-	-	P	H
		17846	52.29	-21.71	74	41.01	41.85	25.5	56.07	-	-	P	H
		17846	42.33	-11.67	54	31.05	41.85	25.5	56.07	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	46.69	-27.31	74	45.68	38.65	19.64	57.28	-	-	P	V
5825MHz		13347	48.45	-25.55	74	46.12	39.35	21.2	58.22	-	-	P	V
		13347	37.02	-16.98	54	34.69	39.35	21.2	58.22	-	-	A	V
		14499	48.29	-25.71	74	44.37	39.7	22.31	58.09	-	-	P	V
		14499	38.98	-15.02	54	35.06	39.7	22.31	58.09	-	-	A	V
		17475	52.96	-15.24	68.2	41.93	42.17	25.16	56.3	-	-	P	V
		17791	52.72	-21.28	74	41.55	41.82	25.46	56.11	-	-	P	V
		17791	42.39	-11.61	54	31.22	41.82	25.46	56.11	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

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

WIFI Ant. 1+2	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)
		5628.4	49.36	-18.84	68.2	37.31	34.89	12.31	35.15	205	339	P	H
		5696.8	53.77	-49.07	102.84	41.56	34.99	12.38	35.16	205	339	P	H
		5715.6	61.12	-48.45	109.57	48.88	35	12.4	35.16	205	339	P	H
		5722.6	64.89	-51.84	116.73	52.65	35	12.4	35.16	205	339	P	H
	*	5745	110.58	-	-	98.33	35	12.42	35.17	205	339	P	H
802.11ax	*	5745	101.36	-	-	89.11	35	12.42	35.17	205	339	A	H
HE20													H
Partial													H
106/53		5643.8	50.15	-18.05	68.2	38.16	34.82	12.32	35.15	398	244	P	V
CH 149		5696.8	52.22	-50.62	102.84	40.01	34.99	12.38	35.16	398	244	P	V
5745MHz		5717.6	65.66	-44.47	110.13	53.42	35	12.4	35.16	398	244	P	V
		5724	68.64	-51.28	119.92	56.4	35	12.4	35.16	398	244	P	V
	*	5745	108.84	-	-	96.59	35	12.42	35.17	398	244	P	V
	*	5745	99.66	-	-	87.41	35	12.42	35.17	398	244	A	V
													V
													V

WIFI Ant. 1+2	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)
	*	5830	110.83	-	-	98.71	34.8	12.5	35.18	208	322	P	H
	*	5830	101.22	-	-	89.1	34.8	12.5	35.18	208	322	A	H
		5850.6	65.04	-55.79	120.83	52.91	34.8	12.51	35.18	208	322	P	H
		5855	62.18	-48.62	110.8	50.02	34.82	12.52	35.18	208	322	P	H
		5876.8	53.05	-50.81	103.86	40.8	34.91	12.53	35.19	208	322	P	H
802.11ax		5931.6	51.61	-16.59	68.2	39.18	35.06	12.57	35.2	208	322	P	H
HE20													H
Partial													H
106/54	*	5825	108.72	-	-	96.6	34.8	12.5	35.18	385	251	P	V
CH 165	*	5825	99.22	-	-	87.1	34.8	12.5	35.18	385	251	A	V
5825MHz		5850.6	62.54	-58.29	120.83	50.41	34.8	12.51	35.18	385	251	P	V
		5859.4	59.88	-49.69	109.57	47.71	34.84	12.52	35.19	385	251	P	V
		5889.2	51.99	-42.67	94.66	39.68	34.96	12.54	35.19	385	251	P	V
		5947.2	50.94	-17.26	68.2	38.47	35.09	12.58	35.2	385	251	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. 1+2	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)
		5648.6	52.18	-16.02	68.2	40.4	34.6	12.33	35.15	100	341	P	H
		5700	61.66	-43.54	105.2	49.74	34.7	12.38	35.16	100	341	P	H
		5717	79.89	-30.07	109.96	67.95	34.7	12.4	35.16	100	341	P	H
		5724	78.43	-41.49	119.92	66.49	34.7	12.4	35.16	100	341	P	H
	*	5755	108.1	-	-	96.11	34.73	12.43	35.17	100	341	P	H
	*	5755	101.21	-	-	89.22	34.73	12.43	35.17	100	341	A	H
		5851	55.17	-64.75	119.92	42.94	34.9	12.51	35.18	100	341	P	H
		5858.2	55.02	-54.88	109.9	42.79	34.9	12.52	35.19	100	341	P	H
		5883.4	53.32	-45.64	98.96	41.08	34.9	12.53	35.19	100	341	P	H
		5937.6	52.2	-16	68.2	39.86	34.97	12.57	35.2	100	341	P	H
802.11ax													H
HE40 Full													H
CH 151		5646.6	51.96	-16.24	68.2	40.18	34.6	12.33	35.15	400	242	P	V
5755MHz		5700	61.36	-43.84	105.2	49.44	34.7	12.38	35.16	400	242	P	V
		5719.4	77.66	-32.97	110.63	65.72	34.7	12.4	35.16	400	242	P	V
		5722.6	79.9	-36.83	116.73	67.96	34.7	12.4	35.16	400	242	P	V
	*	5755	106.04	-	-	94.05	34.73	12.43	35.17	400	242	P	V
	*	5755	99.35	-	-	87.36	34.73	12.43	35.17	400	242	A	V
		5850.6	53.31	-67.52	120.83	41.08	34.9	12.51	35.18	400	242	P	V
		5859.8	55.23	-54.22	109.45	43	34.9	12.52	35.19	400	242	P	V
		5889	52.71	-42.1	94.81	40.46	34.9	12.54	35.19	400	242	P	V
		5925.4	51.68	-16.52	68.2	39.35	34.97	12.56	35.2	400	242	P	V
													V
													V

WIFI Ant. 1+2	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)
		5632.2	50.75	-17.45	68.2	38.89	34.7	12.31	35.15	100	1	P	H
		5686.4	55.83	-39.34	95.17	43.92	34.7	12.37	35.16	100	1	P	H
		5713.6	58.52	-50.49	109.01	46.59	34.7	12.39	35.16	100	1	P	H
		5722.4	59.06	-57.21	116.27	47.12	34.7	12.4	35.16	100	1	P	H
	*	5795	108.45	-	-	96.35	34.8	12.47	35.17	100	1	P	H
	*	5795	101.65	-	-	89.55	34.8	12.47	35.17	100	1	A	H
		5852.2	73.74	-43.44	117.18	61.51	34.9	12.51	35.18	100	1	P	H
		5855	69.21	-41.59	110.8	56.97	34.9	12.52	35.18	100	1	P	H
		5876.2	60.94	-43.37	104.31	48.7	34.9	12.53	35.19	100	1	P	H
		5927.8	50.84	-17.36	68.2	38.51	34.97	12.56	35.2	100	1	P	H
802.11ax													H
HE40 Full													H
CH 159		5647.2	50.54	-17.66	68.2	38.76	34.6	12.33	35.15	100	311	P	V
5795MHz		5699	56.47	-47.99	104.46	44.55	34.7	12.38	35.16	100	311	P	V
		5718.4	61.17	-49.18	110.35	49.23	34.7	12.4	35.16	100	311	P	V
		5725	61.58	-60.62	122.2	49.64	34.7	12.4	35.16	100	311	P	V
	*	5795	106.23	-	-	94.13	34.8	12.47	35.17	100	311	P	V
	*	5795	99.04	-	-	86.94	34.8	12.47	35.17	100	311	A	V
		5851.8	71.87	-46.23	118.1	59.64	34.9	12.51	35.18	100	311	P	V
		5861.6	70.66	-38.29	108.95	58.43	34.9	12.52	35.19	100	311	P	V
		5877	67.08	-36.63	103.71	54.84	34.9	12.53	35.19	100	311	P	V
		5927.4	52	-16.2	68.2	39.67	34.97	12.56	35.2	100	311	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1+2	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)
		11510	45.74	-28.26	74	45.29	38.42	19.53	57.5	-	-	P	H
		13369	48.53	-25.47	74	46.2	39.33	21.22	58.22	-	-	P	H
		13369	37.1	-16.9	54	34.77	39.33	21.22	58.22	-	-	A	H
		14480	48.66	-25.34	74	44.82	39.64	22.29	58.09	-	-	P	H
		14480	38.91	-15.09	54	35.07	39.64	22.29	58.09	-	-	A	H
		17265	51.11	-17.09	68.2	40.43	42.2	24.96	56.48	-	-	P	H
		17802	52.93	-21.07	74	41.77	41.8	25.46	56.1	-	-	P	H
		17802	42.24	-11.76	54	31.08	41.8	25.46	56.1	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	45.31	-28.69	74	44.86	38.42	19.53	57.5	-	-	P	V
5755MHz		13391	48.22	-25.78	74	45.9	39.31	21.24	58.23	-	-	P	V
		13391	37.01	-16.99	54	34.69	39.31	21.24	58.23	-	-	A	V
		14499	47.83	-26.17	74	43.91	39.7	22.31	58.09	-	-	P	V
		14499	38.93	-15.07	54	35.01	39.7	22.31	58.09	-	-	A	V
		17265	51.09	-17.11	68.2	40.41	42.2	24.96	56.48	-	-	P	V
		17824	52.44	-21.56	74	41.23	41.82	25.48	56.09	-	-	P	V
		17824	42.13	-11.87	54	30.92	41.82	25.48	56.09	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		11590	46.34	-27.66	74	45.54	38.58	19.59	57.37	-	-	P	H
		13358	48.5	-25.5	74	46.17	39.34	21.21	58.22	-	-	P	H
		13358	37.97	-16.03	54	35.64	39.34	21.21	58.22	-	-	A	H
		14499	47.86	-26.14	74	43.94	39.7	22.31	58.09	-	-	P	H
		17385	52.18	-16.02	68.2	41.37	42.11	25.08	56.38	-	-	P	H
		17725	52.29	-21.71	74	41.09	41.95	25.4	56.15	-	-	P	H
		17725	42.22	-11.78	54	31.02	41.95	25.4	56.15	-	-	A	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	46.73	-27.27	74	45.93	38.58	19.59	57.37	-	-	P	V
5795MHz		13336	47.81	-26.19	74	45.47	39.36	21.19	58.21	-	-	P	V
		14499	49.34	-24.66	74	45.42	39.7	22.31	58.09	-	-	P	V
		14499	38.14	-15.86	54	34.22	39.7	22.31	58.09	-	-	A	V
		17385	52.62	-15.58	68.2	41.81	42.11	25.08	56.38	-	-	P	V
		17758	52.42	-21.58	74	41.24	41.88	25.43	56.13	-	-	P	V
		17758	41.74	-12.26	54	30.56	41.88	25.43	56.13	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Partial 242 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5639.2	49.4	-18.8	68.2	37.39	34.84	12.32	35.15	209	313	P	H
		5675.6	51.15	-36.03	87.18	39.04	34.9	12.36	35.15	209	313	P	H
		5720	57.5	-53.3	110.8	45.26	35	12.4	35.16	209	313	P	H
		5724.8	62.48	-59.26	121.74	50.24	35	12.4	35.16	209	313	P	H
	*	5755	106.81	-	-	94.57	34.98	12.43	35.17	209	313	P	H
	*	5755	99.23	-	-	86.99	34.98	12.43	35.17	209	313	A	H
		5850	48.16	-74.04	122.2	36.03	34.8	12.51	35.18	209	313	P	H
		5860.8	50.39	-58.78	109.17	38.22	34.84	12.52	35.19	209	313	P	H
		5917.8	49.95	-23.56	73.51	37.55	35.04	12.56	35.2	209	313	P	H
802.11ax		5930.2	50.86	-17.34	68.2	38.44	35.06	12.56	35.2	209	313	P	H
HE40													H
Partial													H
242/61		5642.6	49.97	-18.23	68.2	37.97	34.83	12.32	35.15	249	0	P	V
CH 151		5679.6	50.81	-39.33	90.14	38.69	34.92	12.36	35.16	249	0	P	V
5755MHz		5719.2	63.6	-46.98	110.58	51.36	35	12.4	35.16	249	0	P	V
		5724.6	64.55	-56.74	121.29	52.31	35	12.4	35.16	249	0	P	V
	*	5755	105.12	-	-	92.88	34.98	12.43	35.17	249	0	P	V
	*	5755	98.85	-	-	86.61	34.98	12.43	35.17	249	0	A	V
		5852.6	48.83	-67.44	116.27	36.69	34.81	12.51	35.18	249	0	P	V
		5870.2	49.83	-56.71	106.54	37.61	34.88	12.53	35.19	249	0	P	V
		5900.6	52.16	-34.06	86.22	39.8	35	12.55	35.19	249	0	P	V
		5949.2	49.63	-18.57	68.2	37.15	35.1	12.58	35.2	249	0	P	V
													V
													V

WIFI Ant. 1+2	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)
		5637.4	49.6	-18.6	68.2	37.58	34.85	12.32	35.15	100	236	P	H
		5675	50.3	-36.44	86.74	38.2	34.9	12.35	35.15	100	236	P	H
		5715.2	49.87	-59.59	109.46	37.63	35	12.4	35.16	100	236	P	H
		5722.4	53	-63.27	116.27	40.76	35	12.4	35.16	100	236	P	H
	*	5795	108.31	-	-	96.19	34.82	12.47	35.17	100	236	P	H
	*	5795	101.06	-	-	88.94	34.82	12.47	35.17	100	236	A	H
		5851.8	52.9	-65.2	118.1	40.76	34.81	12.51	35.18	100	236	P	H
		5855.2	49.89	-60.85	110.74	37.73	34.82	12.52	35.18	100	236	P	H
		5919.4	50.74	-21.59	72.33	38.34	35.04	12.56	35.2	100	236	P	H
802.11ax		5947.2	50.82	-17.38	68.2	38.35	35.09	12.58	35.2	100	236	P	H
HE40													H
Partial													H
242/62		5618.8	49.33	-18.87	68.2	37.25	34.92	12.3	35.14	100	276	P	V
CH 159		5685	49.23	-44.9	94.13	37.09	34.94	12.36	35.16	100	276	P	V
5795MHz		5708.4	49.02	-58.53	107.55	36.79	35	12.39	35.16	100	276	P	V
		5720	47.87	-62.93	110.8	35.63	35	12.4	35.16	100	276	P	V
	*	5795	104.98	-	-	92.86	34.82	12.47	35.17	100	276	P	V
	*	5795	97.87	-	-	85.75	34.82	12.47	35.17	100	276	A	V
		5854.4	49.55	-62.62	112.17	37.39	34.82	12.52	35.18	100	276	P	V
		5863.2	49.88	-58.62	108.5	37.7	34.85	12.52	35.19	100	276	P	V
		5899.6	50.3	-36.66	86.96	37.95	35	12.54	35.19	100	276	P	V
		5927.8	50.93	-17.27	68.2	38.51	35.06	12.56	35.2	100	276	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. 1+2	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)
		5645.4	62.51	-5.69	68.2	50.73	34.6	12.33	35.15	100	337	P	H
		5691.6	76.86	-22.15	99.01	64.95	34.7	12.37	35.16	100	337	P	H
		5715	78.18	-31.22	109.4	66.25	34.7	12.39	35.16	100	337	P	H
		5724.8	79.3	-42.44	121.74	67.36	34.7	12.4	35.16	100	337	P	H
	*	5775	105.2	-	-	93.15	34.77	12.45	35.17	100	337	P	H
	*	5775	98.75	-	-	86.7	34.77	12.45	35.17	100	337	A	H
		5850.6	76.54	-44.29	120.83	64.31	34.9	12.51	35.18	100	337	P	H
		5860	78.23	-31.17	109.4	66	34.9	12.52	35.19	100	337	P	H
		5877	71.06	-32.65	103.71	58.82	34.9	12.53	35.19	100	337	P	H
		5934.4	62.34	-5.86	68.2	50	34.97	12.57	35.2	100	337	P	H
802.11ax													H
HE80 Full													H
CH 155		5638.2	63.79	-4.41	68.2	52.02	34.6	12.32	35.15	100	303	P	V
5775MHz		5692.2	76.99	-22.46	99.45	65.08	34.7	12.37	35.16	100	303	P	V
		5720	78.63	-32.17	110.8	66.69	34.7	12.4	35.16	100	303	P	V
		5725	81.05	-41.15	122.2	69.11	34.7	12.4	35.16	100	303	P	V
	*	5775	103.32	-	-	91.27	34.77	12.45	35.17	100	303	P	V
	*	5775	97.23	-	-	85.18	34.77	12.45	35.17	100	303	A	V
		5852.2	76.01	-41.17	117.18	63.78	34.9	12.51	35.18	100	303	P	V
		5863.6	77.03	-31.36	108.39	64.8	34.9	12.52	35.19	100	303	P	V
		5876.6	71.98	-32.03	104.01	59.74	34.9	12.53	35.19	100	303	P	V
		5927.4	62.11	-6.09	68.2	49.78	34.97	12.56	35.2	100	303	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 1+2	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)
		11550	46.9	-27.1	74	46.28	38.5	19.56	57.44	-	-	P	H
		13358	48.43	-25.57	74	46.1	39.34	21.21	58.22	-	-	P	H
		13358	35.66	-18.34	54	33.33	39.34	21.21	58.22	-	-	A	H
		14480	48.12	-25.88	74	44.28	39.64	22.29	58.09	-	-	P	H
		14480	36.62	-17.38	54	32.78	39.64	22.29	58.09	-	-	A	H
		17325	51.17	-17.03	68.2	40.41	42.17	25.02	56.43	-	-	P	H
		17890	52.59	-21.41	74	41.21	41.89	25.54	56.05	-	-	P	H
		17890	42.35	-11.65	54	30.97	41.89	25.54	56.05	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	46	-28	74	45.38	38.5	19.56	57.44	-	-	P	V
5775MHz		13347	49.41	-24.59	74	47.08	39.35	21.2	58.22	-	-	P	V
		13347	37.57	-16.43	54	35.24	39.35	21.2	58.22	-	-	A	V
		14499	48.95	-25.05	74	45.03	39.7	22.31	58.09	-	-	P	V
		14499	37.93	-16.07	54	34.01	39.7	22.31	58.09	-	-	A	V
		17325	51.57	-16.63	68.2	40.81	42.17	25.02	56.43	-	-	P	V
		17769	52.54	-21.46	74	41.36	41.86	25.44	56.12	-	-	P	V
		17769	41.54	-12.46	54	30.36	41.86	25.44	56.12	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Partial 484 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5647.8	59.35	-8.85	68.2	47.36	34.81	12.33	35.15	102	236	P	H
		5693.4	63.27	-37.06	100.33	51.09	34.97	12.37	35.16	102	236	P	H
		5719.4	74.38	-36.25	110.63	62.14	35	12.4	35.16	102	236	P	H
		5725	75.36	-46.84	122.2	63.12	35	12.4	35.16	102	236	P	H
	*	5775	105.29	-	-	93.11	34.9	12.45	35.17	102	236	P	H
	*	5775	99.62	-	-	87.44	34.9	12.45	35.17	102	236	A	H
		5854.8	56.4	-54.86	111.26	44.24	34.82	12.52	35.18	102	236	P	H
		5863.2	57.64	-50.86	108.5	45.46	34.85	12.52	35.19	102	236	P	H
		5891.6	55.43	-37.45	92.88	43.11	34.97	12.54	35.19	102	236	P	H
802.11ax		5932.4	54.15	-14.05	68.2	41.72	35.06	12.57	35.2	102	236	P	H
HE80													H
Partial													H
484/65		5642.6	51.3	-16.9	68.2	39.3	34.83	12.32	35.15	100	265	P	V
CH 155		5699	62.43	-42.03	104.46	50.21	35	12.38	35.16	100	265	P	V
5775MHz		5718	74.21	-36.03	110.24	61.97	35	12.4	35.16	100	265	P	V
		5722.4	67.83	-48.44	116.27	55.59	35	12.4	35.16	100	265	P	V
	*	5775	102.38	-	-	90.2	34.9	12.45	35.17	100	265	P	V
	*	5775	95.6	-	-	83.42	34.9	12.45	35.17	100	265	A	V
		5853.4	52.95	-61.5	114.45	40.81	34.81	12.51	35.18	100	265	P	V
		5873	55.65	-50.11	105.76	43.42	34.89	12.53	35.19	100	265	P	V
		5900.2	52.44	-34.07	86.51	40.08	35	12.55	35.19	100	265	P	V
		5940.4	51.77	-16.43	68.2	39.32	35.08	12.57	35.2	100	265	P	V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5614.4	52.29	-15.91	68.2	40.2	34.94	12.29	35.14	104	242	P	H
		5683.4	55.56	-37.39	92.95	43.43	34.93	12.36	35.16	104	242	P	H
		5714	59.46	-49.66	109.12	47.23	35	12.39	35.16	104	242	P	H
		5725	61.19	-61.01	122.2	48.95	35	12.4	35.16	104	242	P	H
	*	5775	106.12	-	-	93.94	34.9	12.45	35.17	104	242	P	H
	*	5775	99.72	-	-	87.54	34.9	12.45	35.17	104	242	A	H
		5851	63.24	-56.68	119.92	51.11	34.8	12.51	35.18	104	242	P	H
		5855.8	62.8	-47.78	110.58	50.64	34.82	12.52	35.18	104	242	P	H
		5876.6	58.91	-45.1	104.01	46.66	34.91	12.53	35.19	104	242	P	H
802.11ax		5931.6	54.55	-13.65	68.2	42.12	35.06	12.57	35.2	104	242	P	H
HE80													H
Partial													H
484/66		5608.8	50.62	-17.58	68.2	38.51	34.96	12.29	35.14	100	275	P	V
CH 155		5699.4	54.83	-49.93	104.76	42.61	35	12.38	35.16	100	275	P	V
5775MHz		5702.4	57.13	-48.74	105.87	44.91	35	12.38	35.16	100	275	P	V
		5725	61.86	-60.34	122.2	49.62	35	12.4	35.16	100	275	P	V
	*	5775	102.72	-	-	90.54	34.9	12.45	35.17	100	275	P	V
	*	5775	95.79	-	-	83.61	34.9	12.45	35.17	100	275	A	V
		5853.8	57.04	-56.5	113.54	44.89	34.82	12.51	35.18	100	275	P	V
		5858	57.57	-52.39	109.96	45.41	34.83	12.52	35.19	100	275	P	V
		5880.4	55.79	-45.4	101.19	43.53	34.92	12.53	35.19	100	275	P	V
		5925	54.01	-14.19	68.2	41.6	35.05	12.56	35.2	100	275	P	V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax 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.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		30.27	22.96	-17.04	40	27.71	24.37	0.91	30.03	-	-	P	H
		159.33	27.83	-15.67	43.5	39.17	16.53	2.11	29.98	-	-	P	H
		194.97	29.65	-13.85	43.5	42.41	14.88	2.33	29.97	-	-	P	H
		318.2	35.25	-10.75	46	42.96	19.39	2.88	29.98	-	-	P	H
		874	31.28	-14.72	46	26.94	28.8	4.63	29.09	-	-	P	H
		955.2	33.08	-12.92	46	26.33	30.55	4.89	28.69	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	33.24	-6.76	40	37.8	24.57	0.9	30.03	-	-	P	V
		58.35	23.96	-16.04	40	40.78	11.83	1.36	30.01	-	-	P	V
		288.93	28.9	-17.1	46	37.03	19.08	2.77	29.98	-	-	P	V
		311.2	29.27	-16.73	46	37.08	19.31	2.86	29.98	-	-	P	V
		841.1	31.07	-14.93	46	27.36	28.45	4.57	29.31	-	-	P	V
		951.7	33	-13	46	26.43	30.39	4.88	28.7	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

<Sample 2>

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 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.
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		11650	46.07	-27.93	74	45.06	38.65	19.64	57.28	-	-	P	H
		13314	47.53	-26.47	74	45.18	39.39	21.17	58.21	-	-	P	H
		14491	47.86	-26.14	74	43.98	39.67	22.3	58.09	-	-	P	H
		17475	53.18	-15.02	68.2	42.15	42.17	25.16	56.3	-	-	P	H
		17890	52.66	-21.34	74	41.28	41.89	25.54	56.05	-	-	P	H
		17890	41.92	-12.08	54	30.54	41.89	25.54	56.05	-	-	A	H
													H
													H
													H
													H
													H
													H
		11650	47.42	-26.58	74	46.41	38.65	19.64	57.28	-	-	P	V
		13369	47.97	-26.03	74	45.64	39.33	21.22	58.22	-	-	P	V
		14480	48.54	-25.46	74	44.7	39.64	22.29	58.09	-	-	P	V
		14480	38.49	-15.51	54	34.65	39.64	22.29	58.09	-	-	A	V
		17475	53.37	-14.83	68.2	42.34	42.17	25.16	56.3	-	-	P	V
		17923	52.28	-21.72	74	40.85	41.88	25.58	56.03	-	-	P	V
		17923	41.91	-12.09	54	30.48	41.88	25.58	56.03	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5646.4	64.52	-3.68	68.2	52.74	34.6	12.33	35.15	191	336	P	H
		5696.8	76.17	-26.67	102.84	64.25	34.7	12.38	35.16	191	336	P	H
		5717	77.68	-32.28	109.96	65.74	34.7	12.4	35.16	191	336	P	H
		5723.2	78.78	-39.32	118.1	66.84	34.7	12.4	35.16	191	336	P	H
	*	5775	105.14	-	-	93.09	34.77	12.45	35.17	191	336	P	H
	*	5775	97.55	-	-	85.5	34.77	12.45	35.17	191	336	A	H
		5851.4	79.67	-39.34	119.01	67.44	34.9	12.51	35.18	191	336	P	H
		5867.4	77.25	-30.08	107.33	65.02	34.9	12.52	35.19	191	336	P	H
		5880	72.29	-29.2	101.49	60.05	34.9	12.53	35.19	191	336	P	H
		5941.4	65.71	-2.49	68.2	53.34	35	12.57	35.2	191	336	P	H
802.11ax													H
HE80 Full													H
CH 155		5648	64.66	-3.54	68.2	52.88	34.6	12.33	35.15	100	306	P	V
5775MHz		5691.6	77.97	-21.04	99.01	66.06	34.7	12.37	35.16	100	306	P	V
		5716.6	82.14	-27.71	109.85	70.2	34.7	12.4	35.16	100	306	P	V
		5723.8	81.21	-38.25	119.46	69.27	34.7	12.4	35.16	100	306	P	V
	*	5775	103.9	-	-	91.85	34.77	12.45	35.17	100	306	P	V
	*	5775	95.35	-	-	83.3	34.77	12.45	35.17	100	306	A	V
		5853.2	79.04	-35.86	114.9	66.81	34.9	12.51	35.18	100	306	P	V
		5858	77.94	-32.02	109.96	65.71	34.9	12.52	35.19	100	306	P	V
		5876.4	73.64	-30.52	104.16	61.4	34.9	12.53	35.19	100	306	P	V
		5937.4	64.44	-3.76	68.2	52.1	34.97	12.57	35.2	100	306	P	V
													V
													V

Remark

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

<Sample 3>

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 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.
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11650	46.62	-27.38	74	45.61	38.65	19.64	57.28	-	-	P	H
		13369	48.66	-25.34	74	46.33	39.33	21.22	58.22	-	-	P	H
		13369	38.02	-15.98	54	35.69	39.33	21.22	58.22	-	-	A	H
		14499	47.57	-26.43	74	43.65	39.7	22.31	58.09	-	-	P	H
		17475	50.83	-17.37	68.2	39.8	42.17	25.16	56.3	-	-	P	H
		17714	51.92	-22.08	74	40.71	41.97	25.39	56.15	-	-	P	H
		17714	42.25	-11.75	54	31.04	41.97	25.39	56.15	-	-	A	H
													H
													H
802.11a CH 165 5825MHz													H
		11650	47.4	-26.6	74	46.39	38.65	19.64	57.28	-	-	P	V
		13358	48.28	-25.72	74	45.95	39.34	21.21	58.22	-	-	P	V
		13358	39.12	-14.88	54	36.79	39.34	21.21	58.22	-	-	A	V
		14491	48.06	-25.94	74	44.18	39.67	22.3	58.09	-	-	P	V
		14491	37.13	-16.87	54	33.25	39.67	22.3	58.09	-	-	A	V
		17475	51.86	-16.34	68.2	40.83	42.17	25.16	56.3	-	-	P	V
		17901	52.07	-21.93	74	40.66	41.9	25.55	56.04	-	-	P	V
		17901	42.05	-11.95	54	30.64	41.9	25.55	56.04	-	-	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 1+2	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	66.57	-1.63	68.2	54.59	34.8	12.33	35.15	215	338	P	H
		5688	77.06	-19.29	96.35	64.9	34.95	12.37	35.16	215	338	P	H
		5718.4	78.82	-31.53	110.35	66.58	35	12.4	35.16	215	338	P	H
		5724.6	78.64	-42.65	121.29	66.4	35	12.4	35.16	215	338	P	H
	*	5775	105.25	-	-	93.07	34.9	12.45	35.17	215	338	P	H
	*	5775	98.9	-	-	86.72	34.9	12.45	35.17	215	338	A	H
		5854.4	78.34	-33.83	112.17	66.18	34.82	12.52	35.18	215	338	P	H
		5857.2	75.37	-34.81	110.18	63.2	34.83	12.52	35.18	215	338	P	H
		5876.4	70.16	-34	104.16	57.91	34.91	12.53	35.19	215	338	P	H
		5931	65.33	-2.87	68.2	52.9	35.06	12.57	35.2	215	338	P	H
802.11ax													H
HE80 Full													H
CH 155		5643.4	65.61	-2.59	68.2	53.61	34.83	12.32	35.15	100	307	P	V
5775MHz		5699.6	77.45	-27.46	104.91	65.23	35	12.38	35.16	100	307	P	V
		5720	80.37	-30.43	110.8	68.13	35	12.4	35.16	100	307	P	V
		5724.4	79.81	-41.02	120.83	67.57	35	12.4	35.16	100	307	P	V
	*	5775	103.24	-	-	91.06	34.9	12.45	35.17	100	307	P	V
	*	5775	98.08	-	-	85.9	34.9	12.45	35.17	100	307	A	V
		5854.6	78.26	-33.45	111.71	66.1	34.82	12.52	35.18	100	307	P	V
		5856.8	77.86	-32.44	110.3	65.69	34.83	12.52	35.18	100	307	P	V
		5881.2	73.22	-27.37	100.59	60.96	34.92	12.53	35.19	100	307	P	V
		5926.4	64.33	-3.87	68.2	51.92	35.05	12.56	35.2	100	307	P	V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB) + Duty factor(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 Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

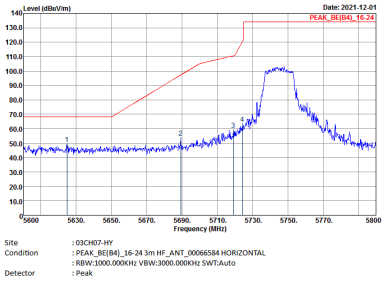
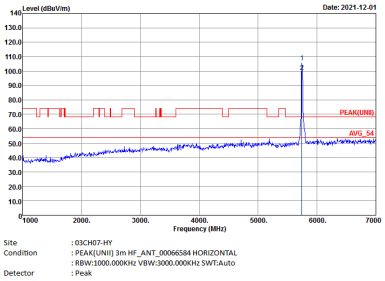
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	17.9~22.2°C
		Relative Humidity :	53.1~69%

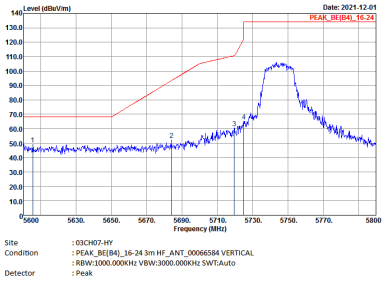
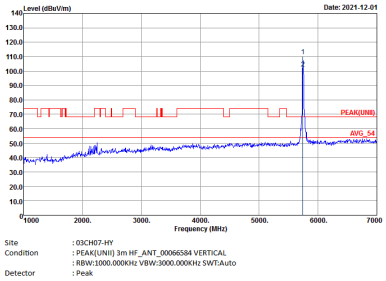
Note symbol

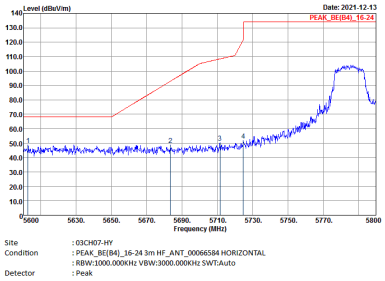
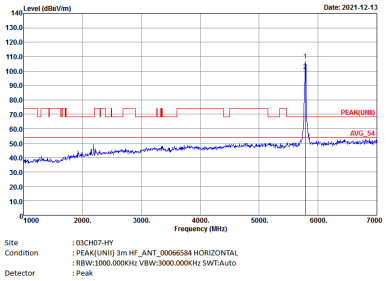
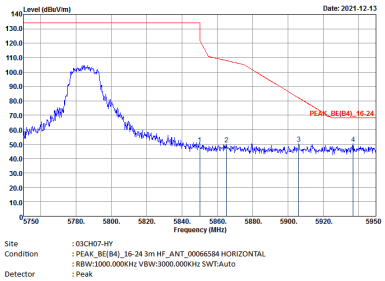
-L	**Low channel location**
-R	**High channel location**

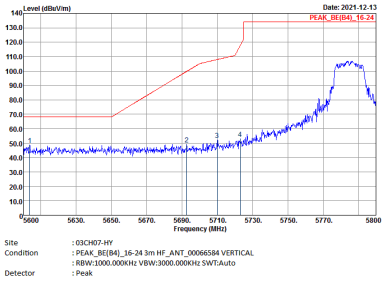
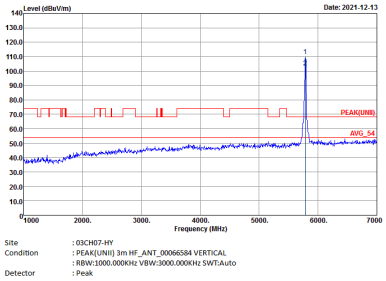
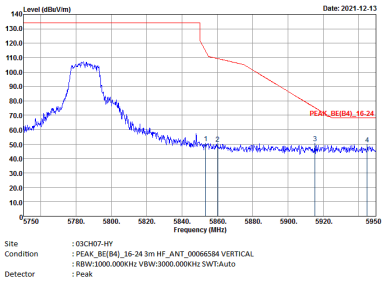
Band 4 - 5725~5850MHz

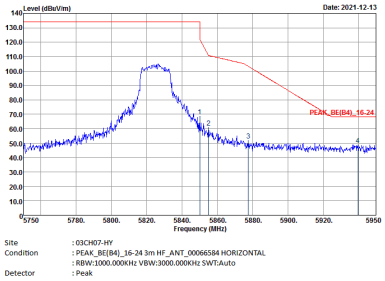
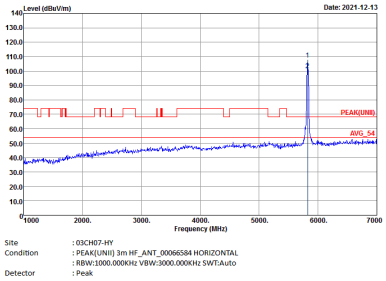
WIFI 802.11a (Band Edge @ 3m)

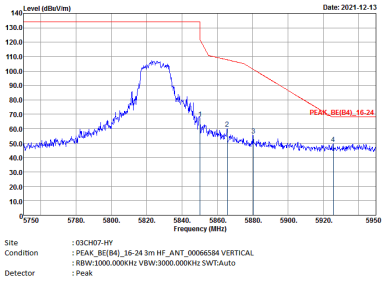
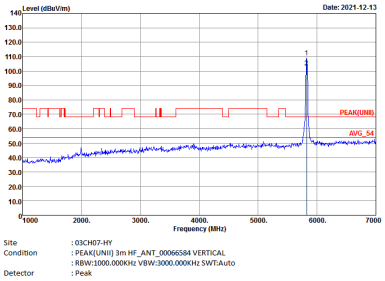
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

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

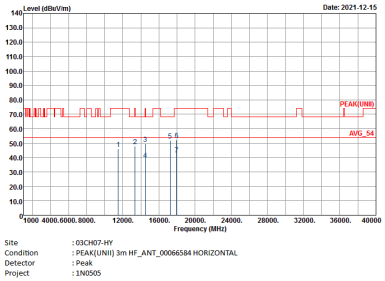
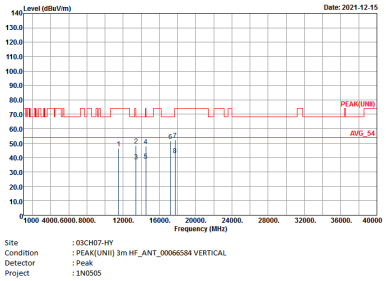
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

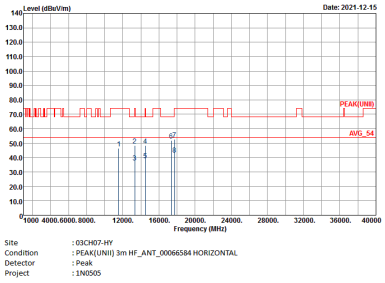
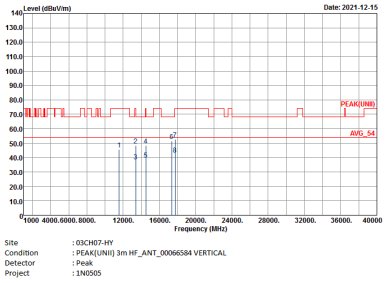
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

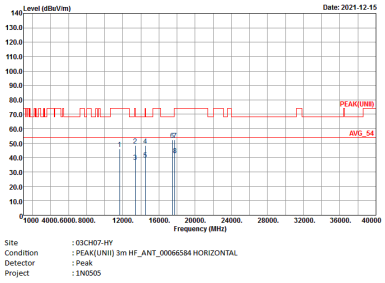
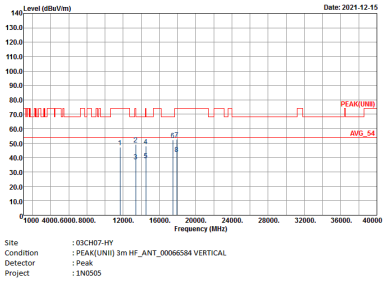
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak		

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

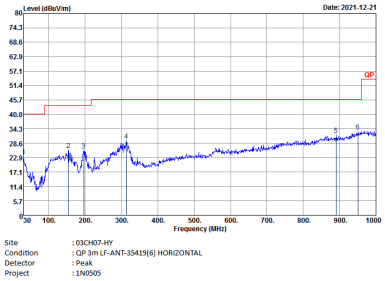
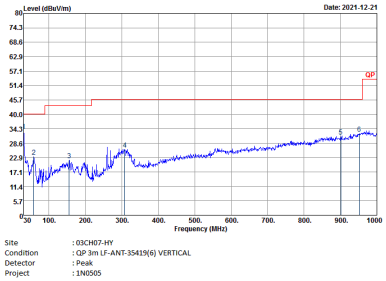
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

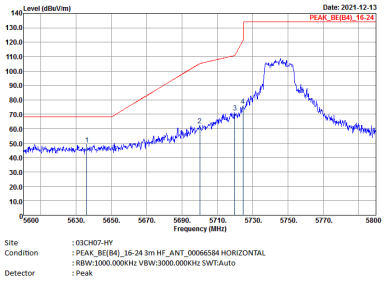
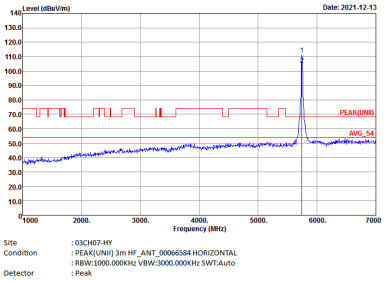
Emission below 1GHz

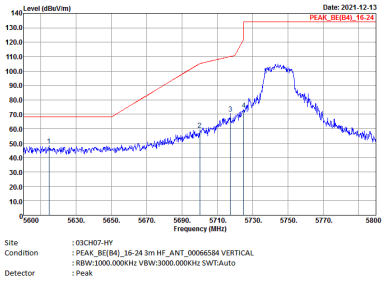
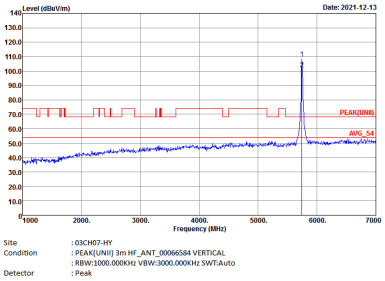
5GHz WIFI 802.11a (LF @ 3m)

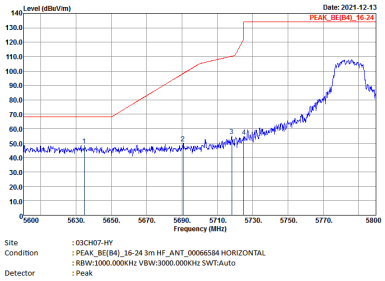
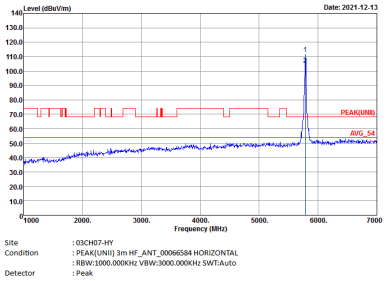
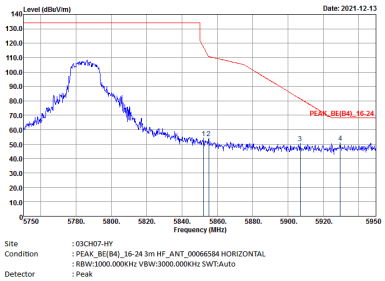
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak		

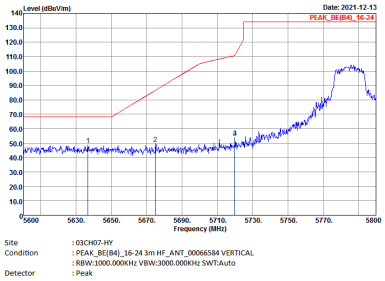
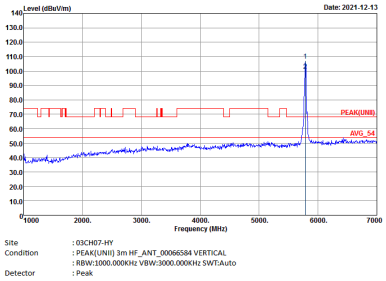
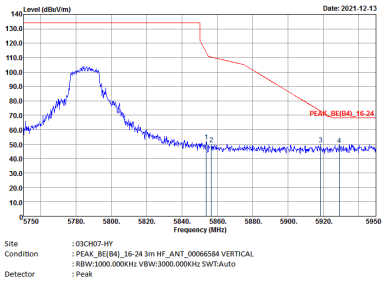
Band 4 - 5725~5850MHz

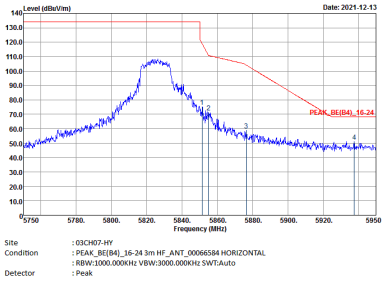
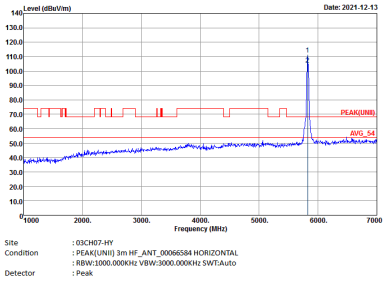
WIFI 802.11a (Band Edge @ 3m)

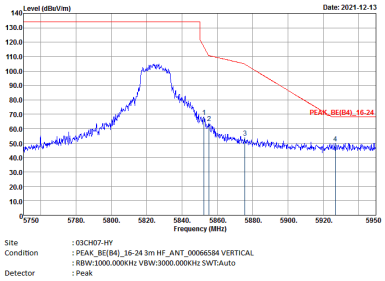
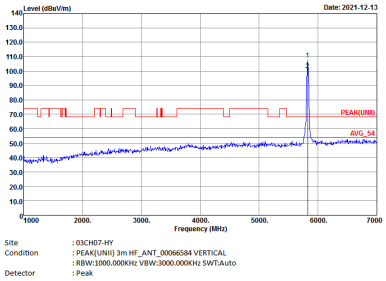
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

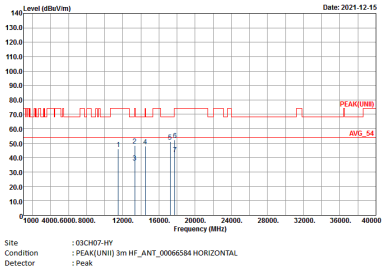
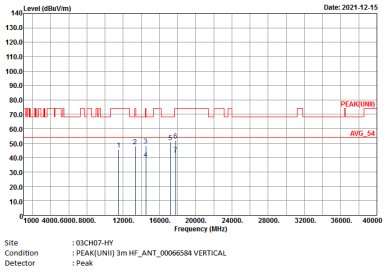
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

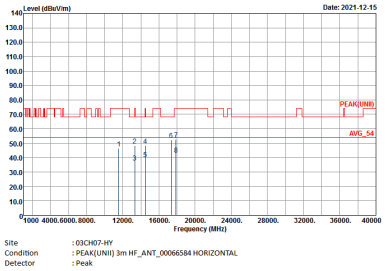
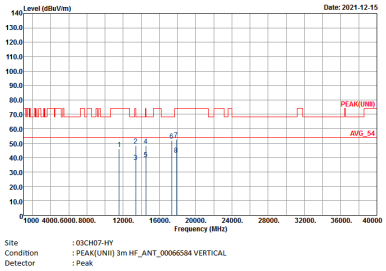
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

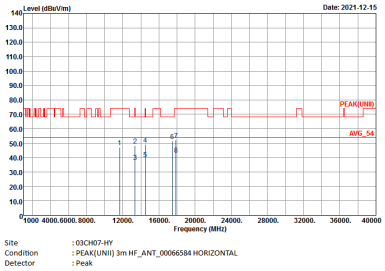
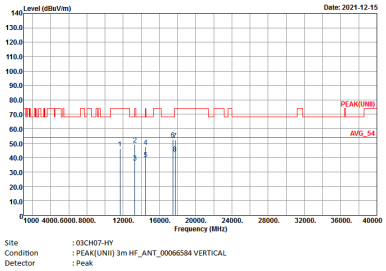
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

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

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

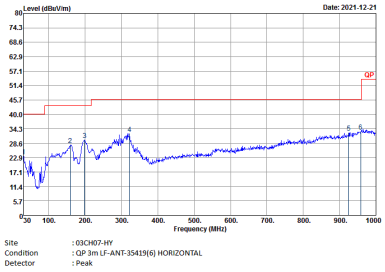
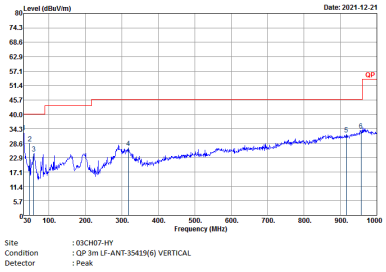
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

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

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

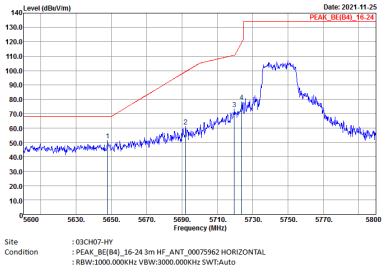
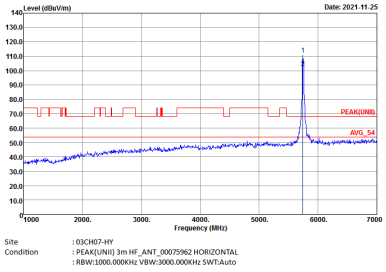
Emission below 1GHz

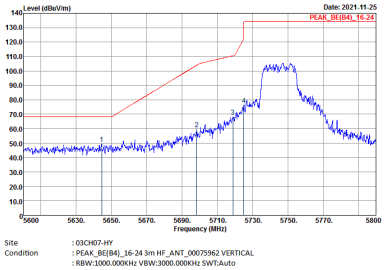
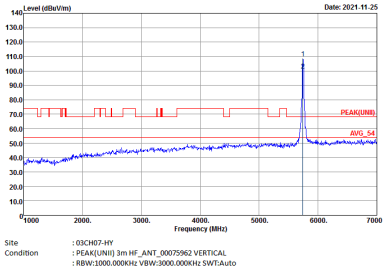
5GHz WIFI 802.11a (LF @ 3m)

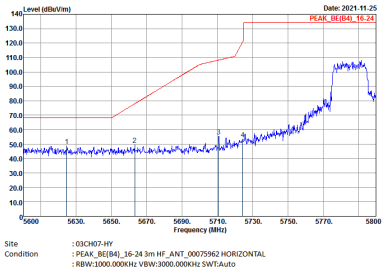
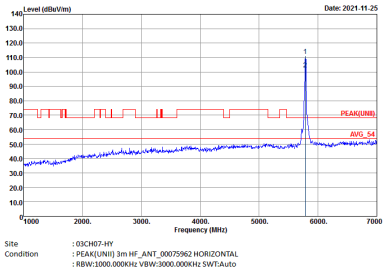
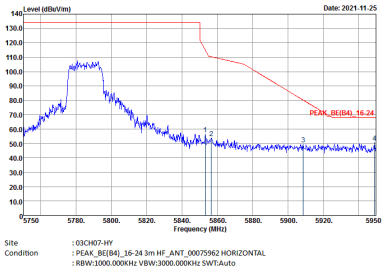
WIFI	5GHz WIFI	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak		

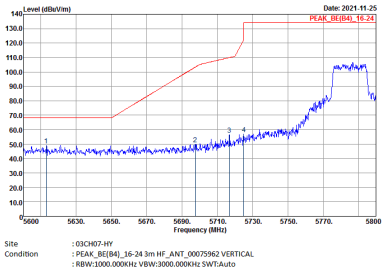
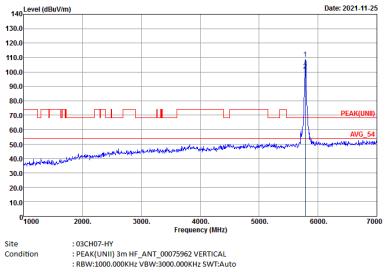
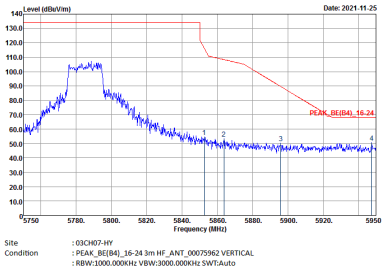
Band 4 - 5725~5850MHz

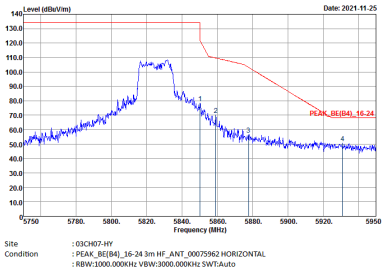
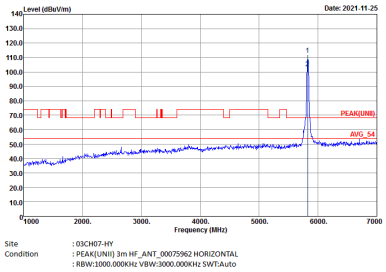
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

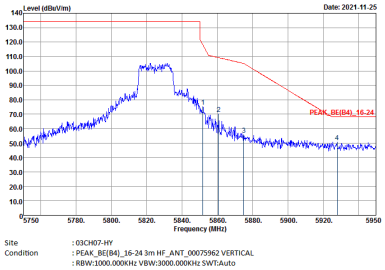
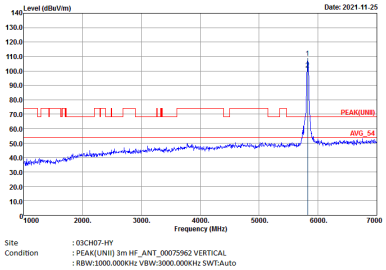
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

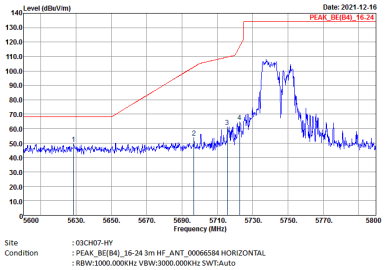
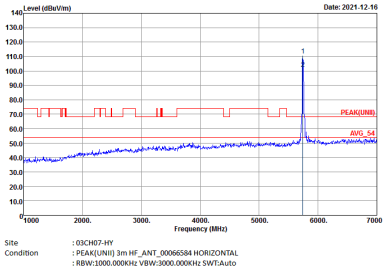
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

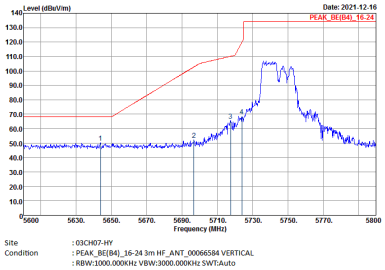
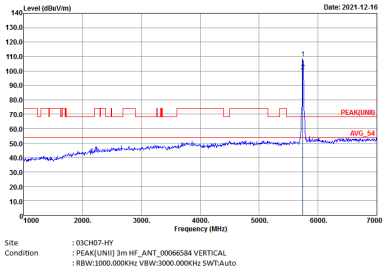
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

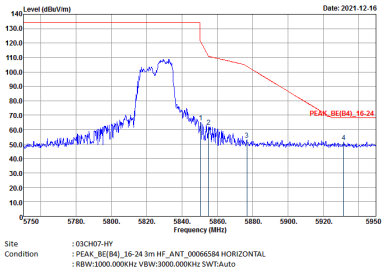
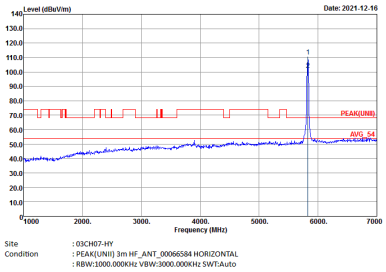
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

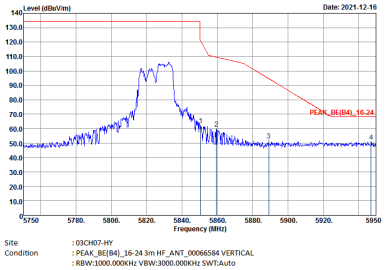
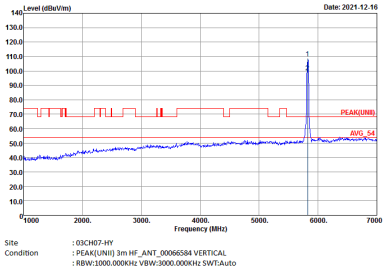
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

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

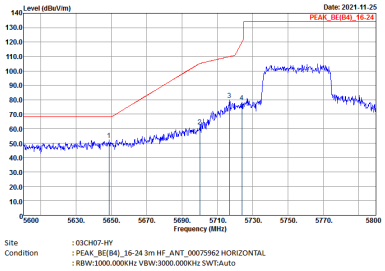
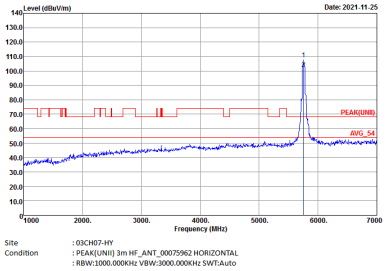
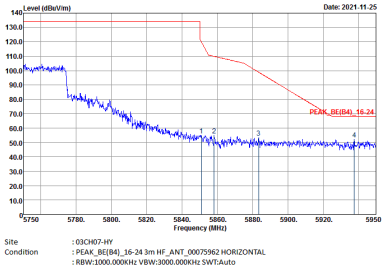
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

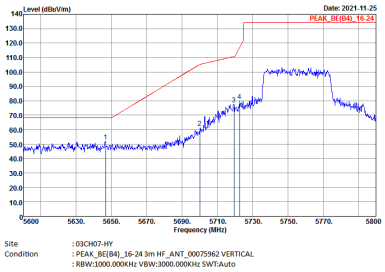
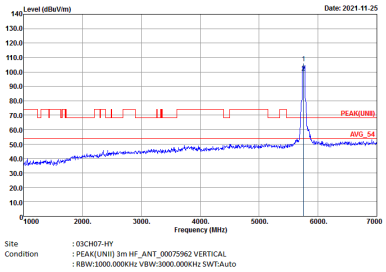
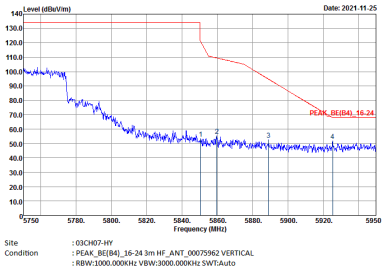
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

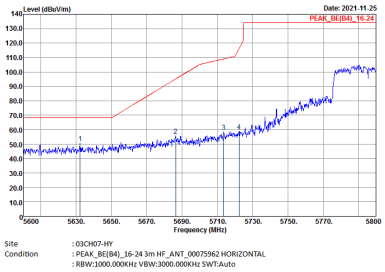
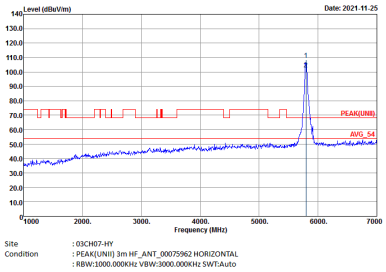
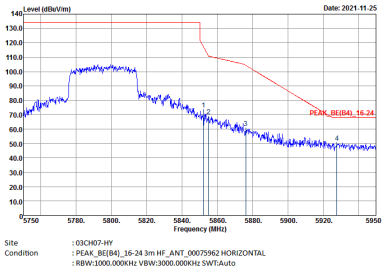
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

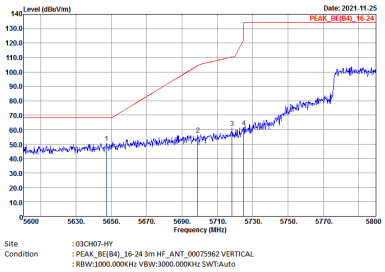
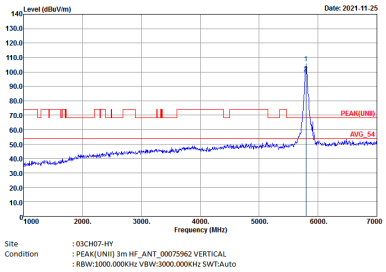
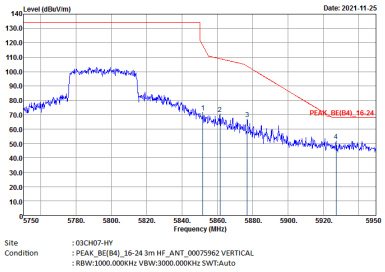
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

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

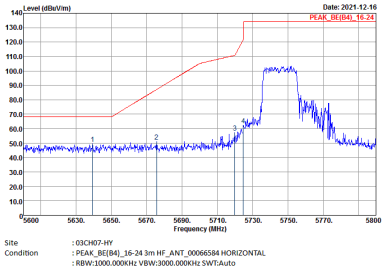
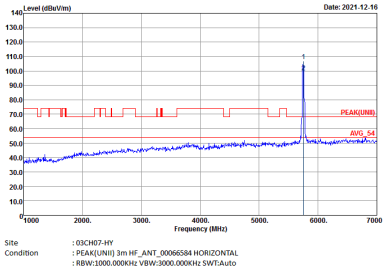
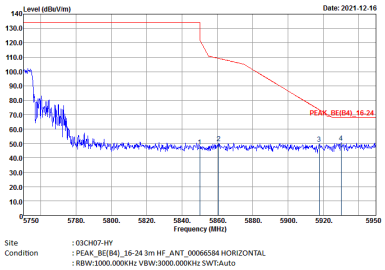
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

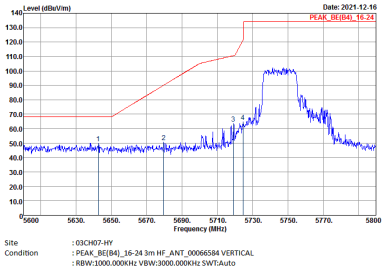
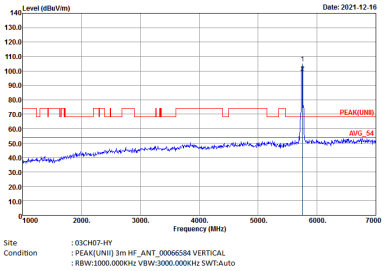
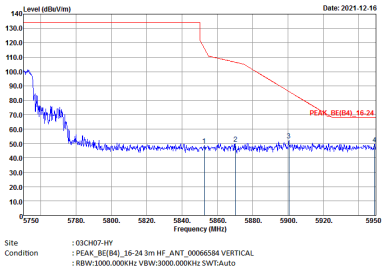
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

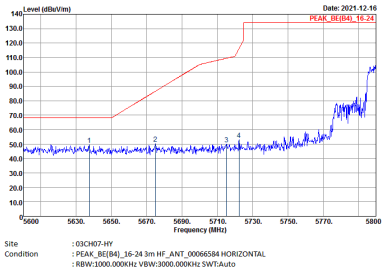
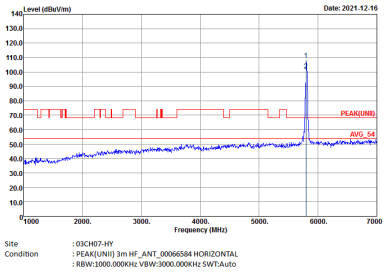
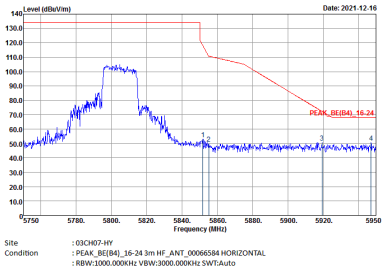
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

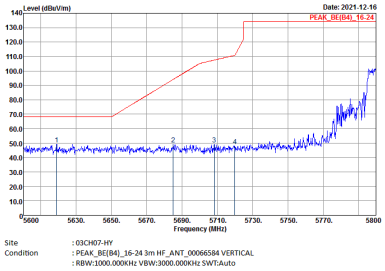
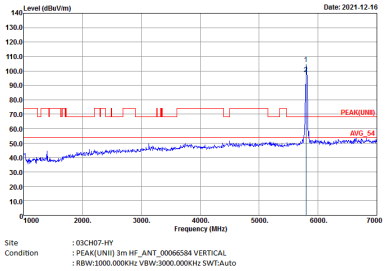
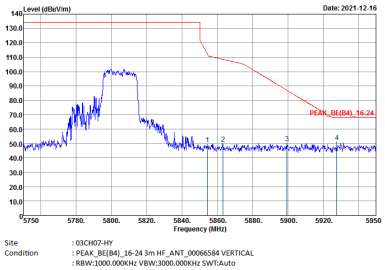
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

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

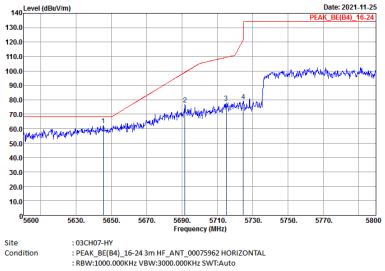
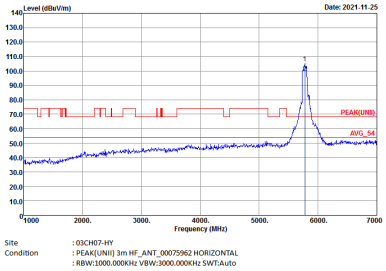
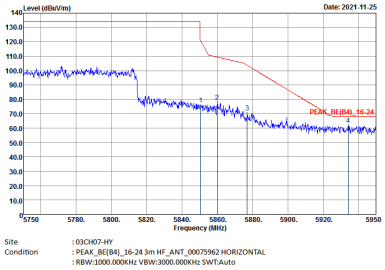
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

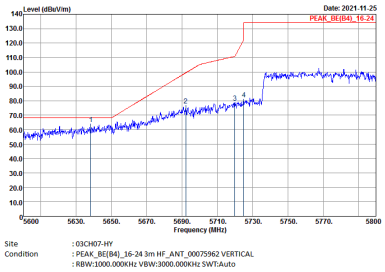
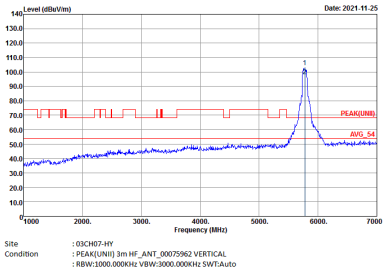
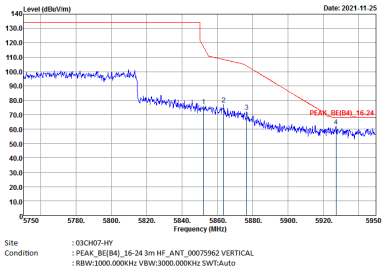
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

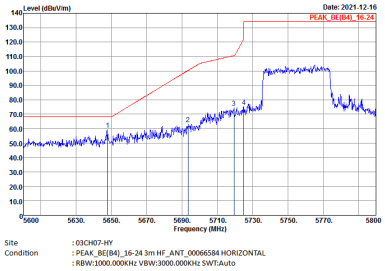
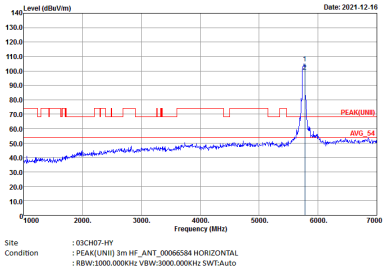
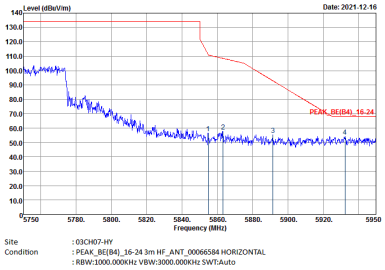
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

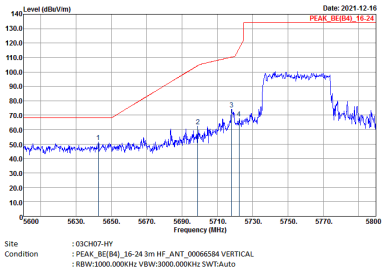
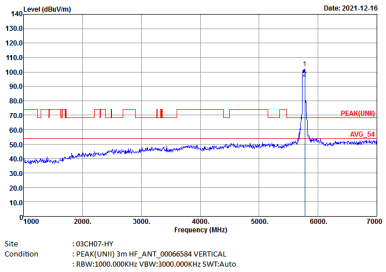
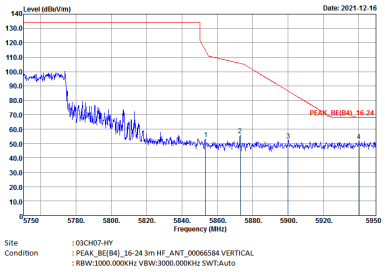
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

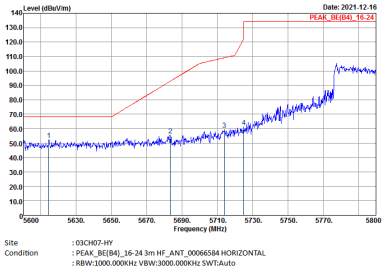
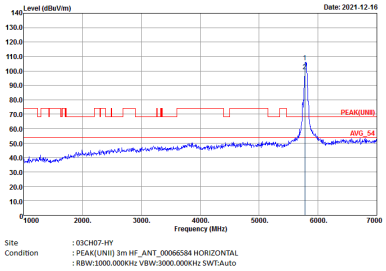
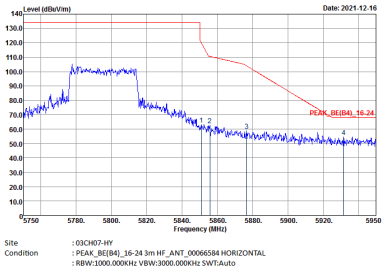
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

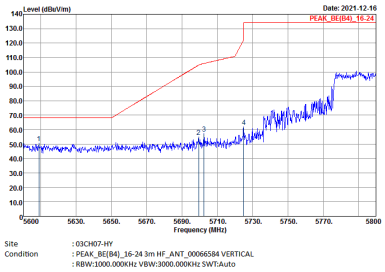
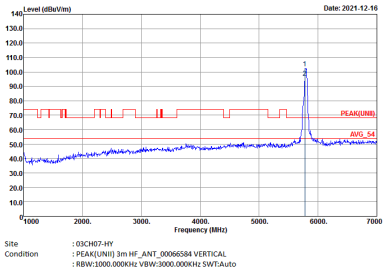
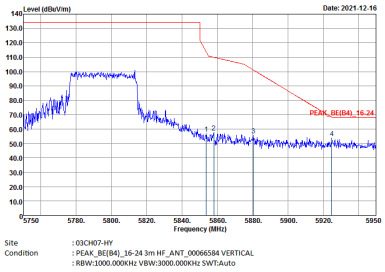
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

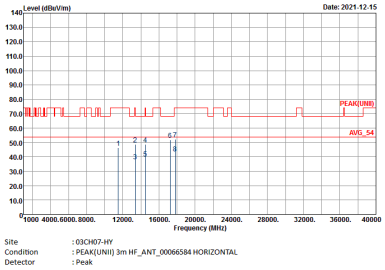
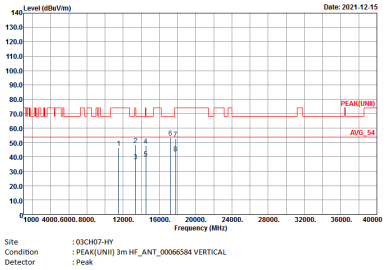
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

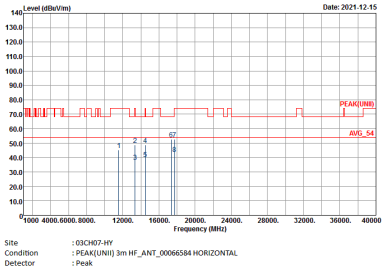
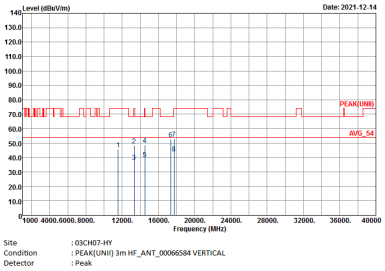
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

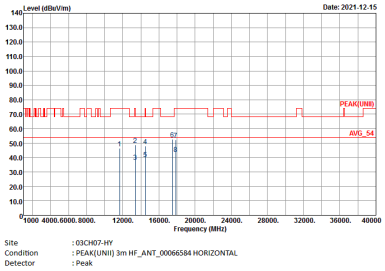
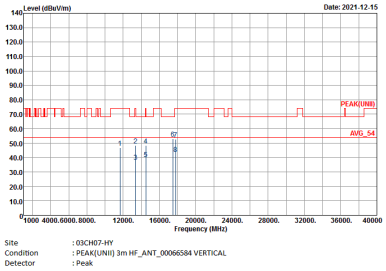
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

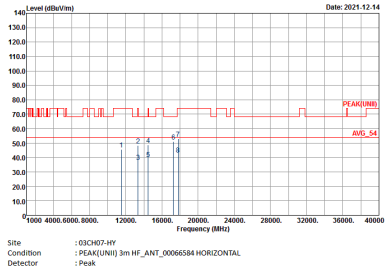
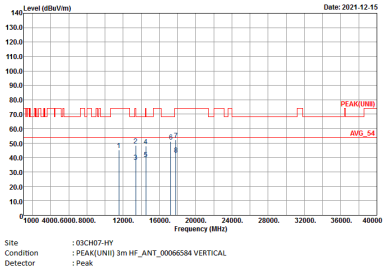
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

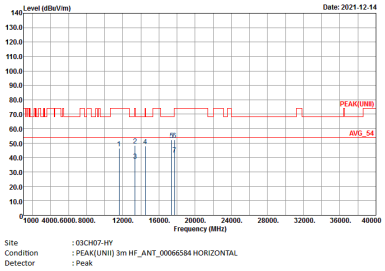
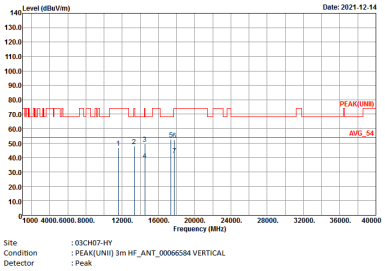
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

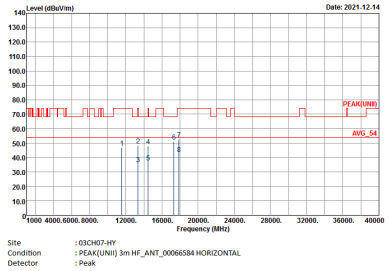
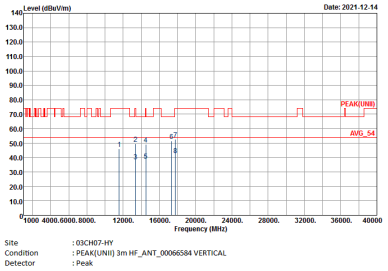
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

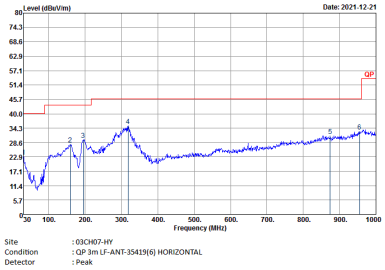
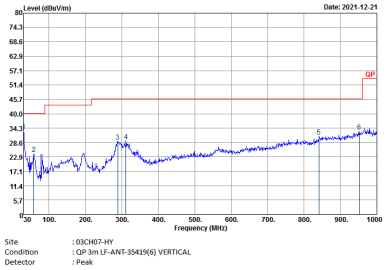
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

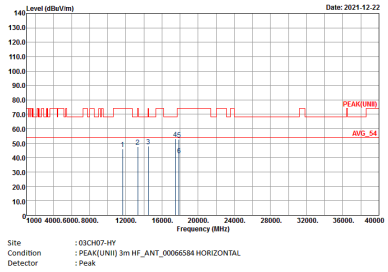
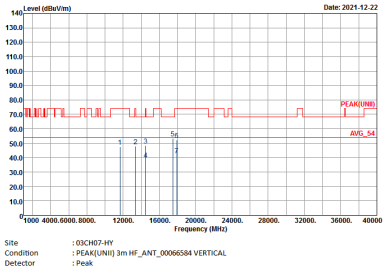
5GHz WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Full LF	
1+2	Horizontal	Vertical
QP / Peak		

<Sample 2>

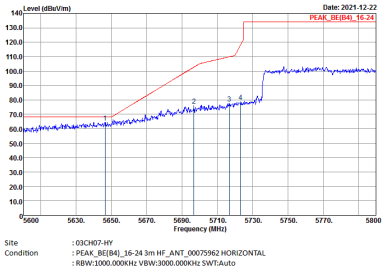
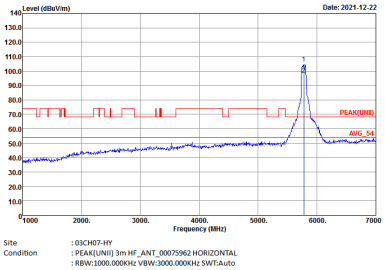
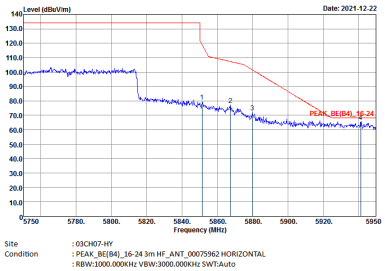
Band 4 - 5725~5850MHz

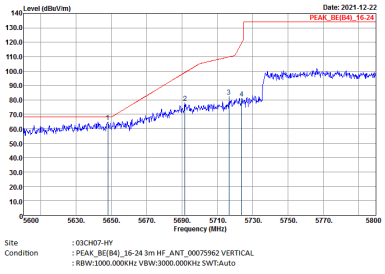
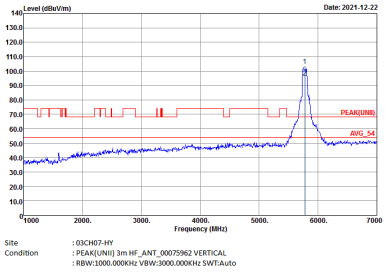
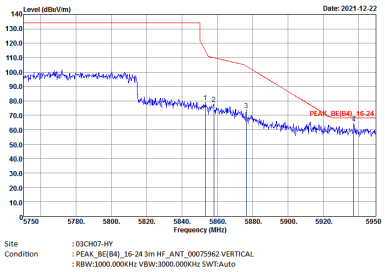
WIFI 802.11a (Harmonic @ 3m)

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

Band 4 - 5725~5850MHz

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

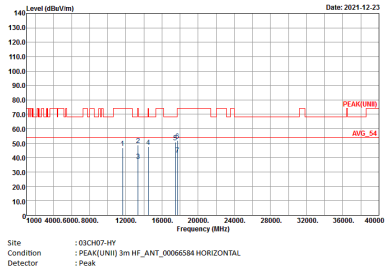
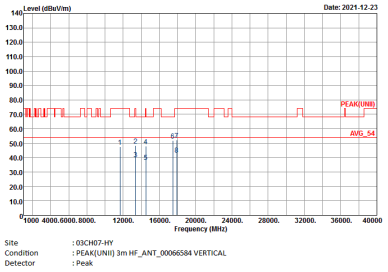
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

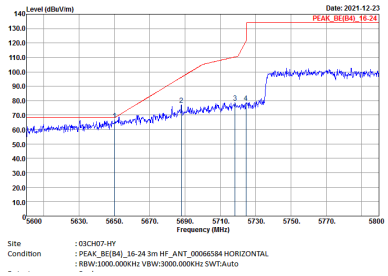
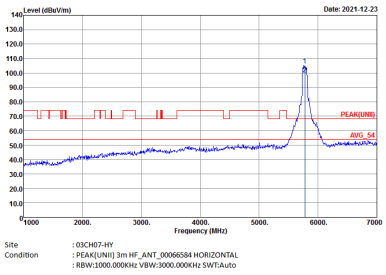
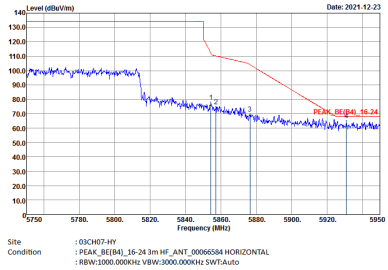
<Sample 3>

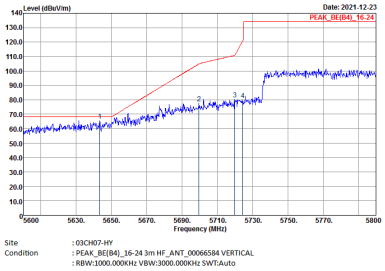
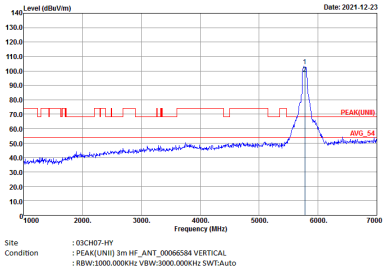
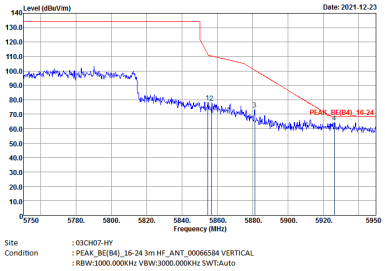
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

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

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	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

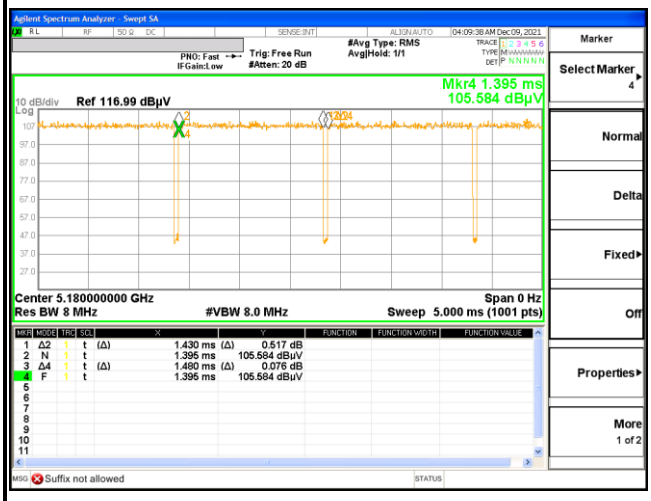
Appendix E. Duty Cycle Plots

<Sample 1>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	Duty Factor(dB)
1	802.11a	96.62	1430	0.70	0.15
2	802.11a	96.62	1430	0.70	0.15
1+2	802.11a	96.75	1428	0.70	0.14
1+2	5GHz 802.11ax HE20 Full RU	91.93	558	1.79	0.37
1+2	5GHz 802.11ax HE20 106 RU	80.08	201	4.98	0.96
1+2	5GHz 802.11ax HE40 Full RU	86.14	311.5	3.21	0.65
1+2	5GHz 802.11ax HE40 242 RU	79.53	202	4.95	0.99
1+2	5GHz 802.11ax HE80 Full RU	78.72	185	5.41	1.04
1+2	5GHz 802.11ax HE80 484 RU	79.14	198.4	5.04	1.02

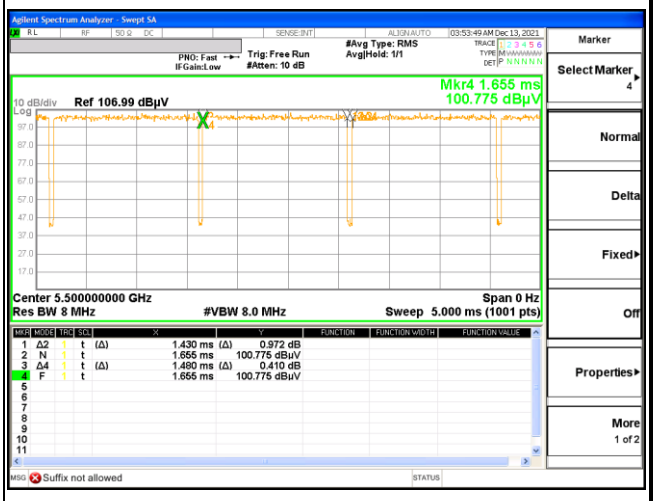
<Ant. 1>

802.11a

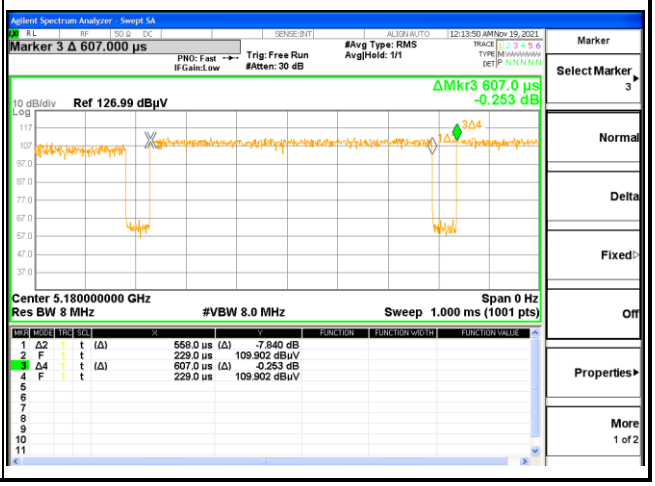


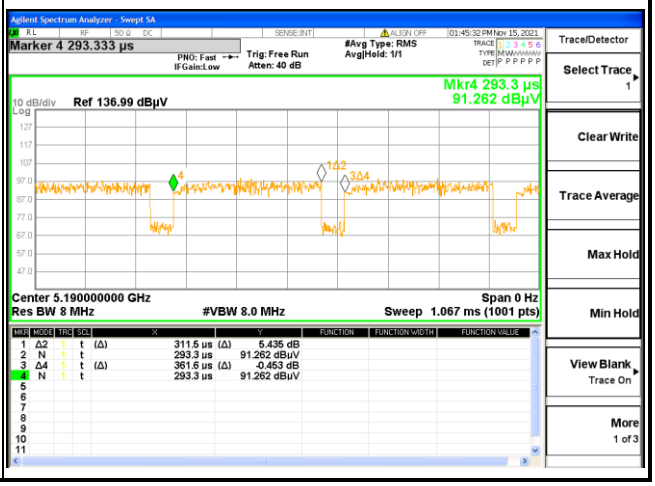
<Ant. 2>

802.11a

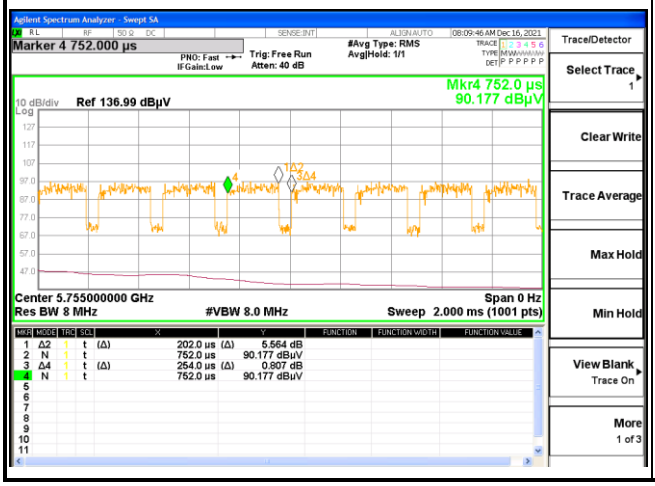


MIMO <Ant. 1+2>

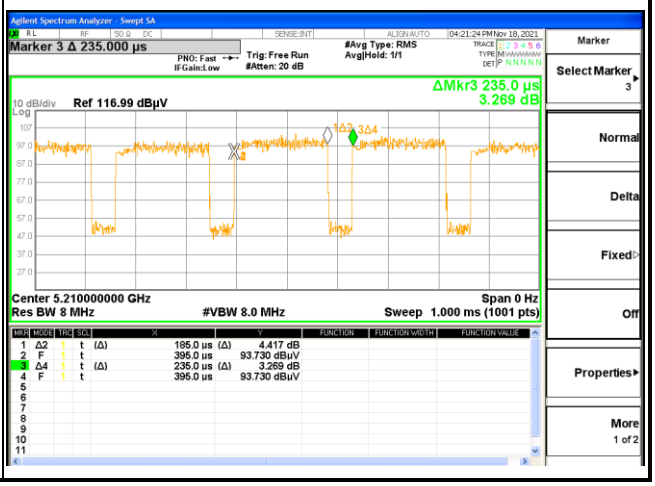
802.11a	802.11ax HE20 Full RU
	

802.11ax HE20 106 RU	802.11ax HE40 Full RU
	

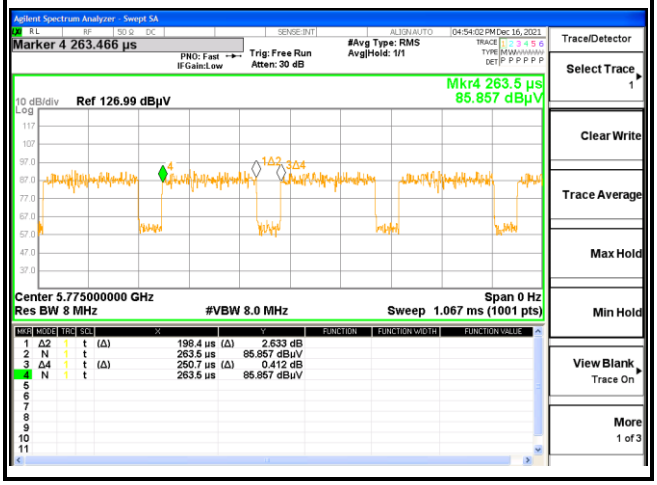
802.11ax HE40 242 RU



802.11ax HE80 Full RU



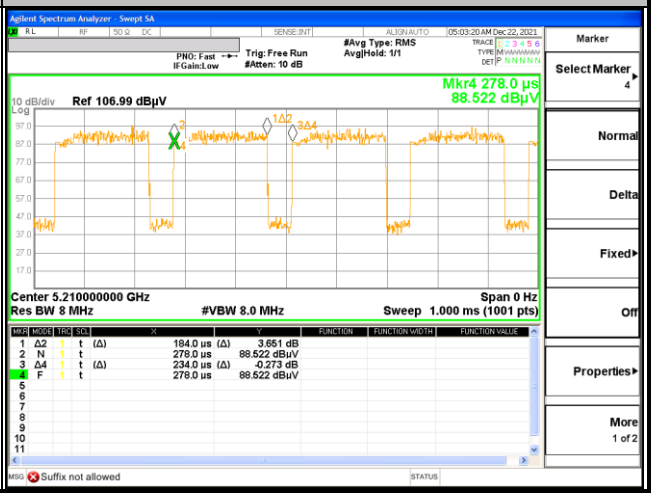
802.11ax HE80 484 RU



<Sample 2>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	Duty Factor(dB)
1	802.11a	96.68	1428	0.70	0.15
1+2	5GHz 802.11ax HE80	78.63	184	5.43	1.04

<Ant. 1> **MIMO <Ant. 1+2>**

802.11a	802.11ax HE80
	

<Sample 3>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	Duty Factor(dB)
1	802.11a	96.61	1425	0.70	0.15
1+2	5GHz 802.11ax HE80	78.63	184	5.43	1.04

<Ant. 1> **MIMO <Ant. 1+2>**

802.11a	802.11ax HE80