FCC RADIO TEST REPORT

FCC ID	:	**2AFZZ119DG**
Equipment	:	**Mobile Phone**
Brand Name	:	**XIAOMI**
Model Name	:	**2109119DG**
Applicant	:	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Manufacturer	:	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 30, 2021 and testing was started from Jul. 03, 2021 and completed on Jul. 30, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR162425E	01	Initial issue of report	Aug. 02, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
0	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.27 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 12.41 dB at 7.202 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 declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Danny Lee

Report Producer: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	6G+128GB with Battery 1
Sample 2	8G+128GB with Battery 1
Sample 3	8G+256GB with Battery 1
Sample 4	6G+128GB with Battery 2
Antenna Type	WWAN: PIFA Antenna WLAN <Ant. 7>: PIFA Antenna <Ant. 9>: PIFA Antenna Bluetooth <Ant. 7>: PIFA Antenna <Ant. 9>: PIFA Antenna GPS/Glonass/BDS/Galileo/QZSS/NavIC: PIFA Antenna NFC: Coil Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 7: -1.53 Ant. 9: -2.66
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 7: -1.62 Ant. 9: -2.09
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 7: -1.55 Ant. 9: -1.0

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

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International Inc. 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, 03CH15-HY, CO07-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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

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 X plane 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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel in "@" were 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

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

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by HE20)	**MCS0**
802.11n HT40 (Covered by HE40)	**MCS0**
802.11ac VHT20 (Covered by HE20)	**MCS0**
802.11ac VHT40 (Covered by HE40)	**MCS0**
802.11ac VHT80 (Covered by HE80)	**MCS0**
802.11ac VHT160 (Covered by HE160)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : GSM 850 Rx (Middle Channel) + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + USB Cable 1 (Charging from Adapter) + SIM 1 for Sample 3
Remark: For Radiated Test Cases, the tests were performed with USB Cable 2 and Sample 1.	

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	-	-
M	Middle	44	-	-
H	High	48	-	-
Straddle		-	-	-

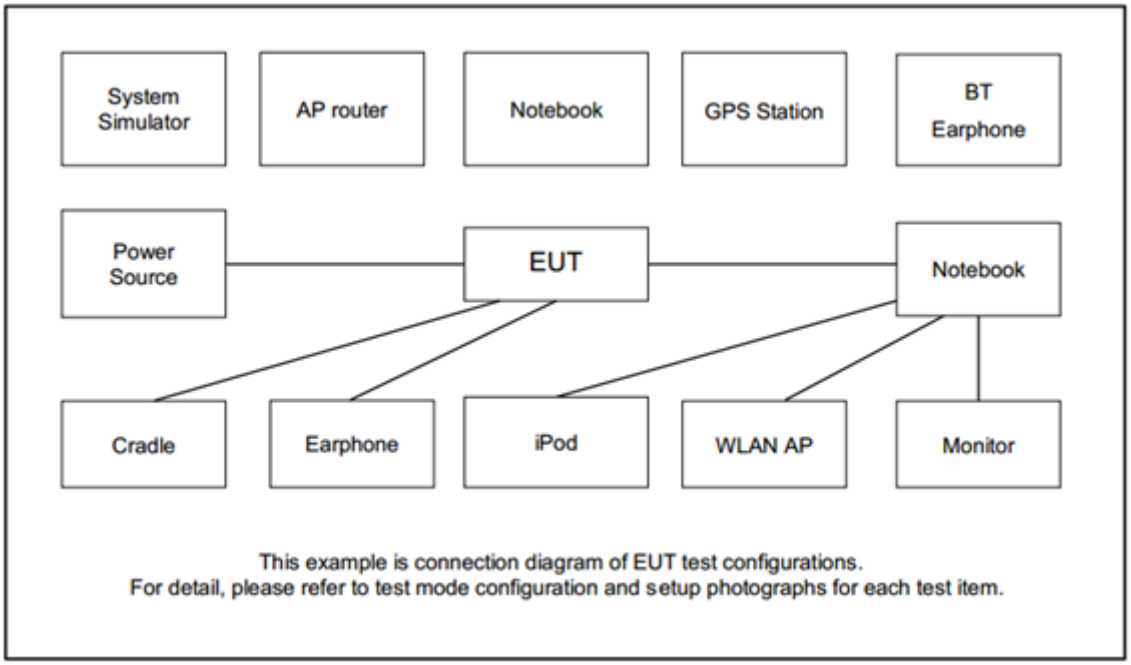
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

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

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: MIUI 12.5 Global 21.6.11) 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

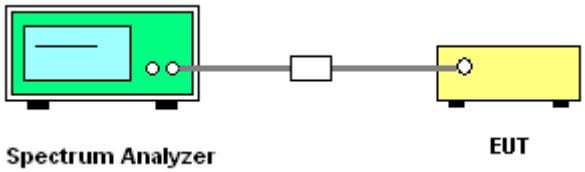
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

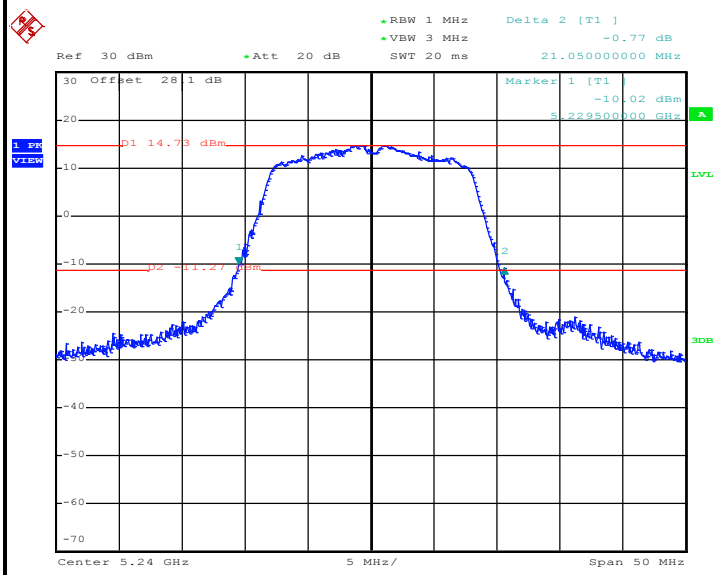
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



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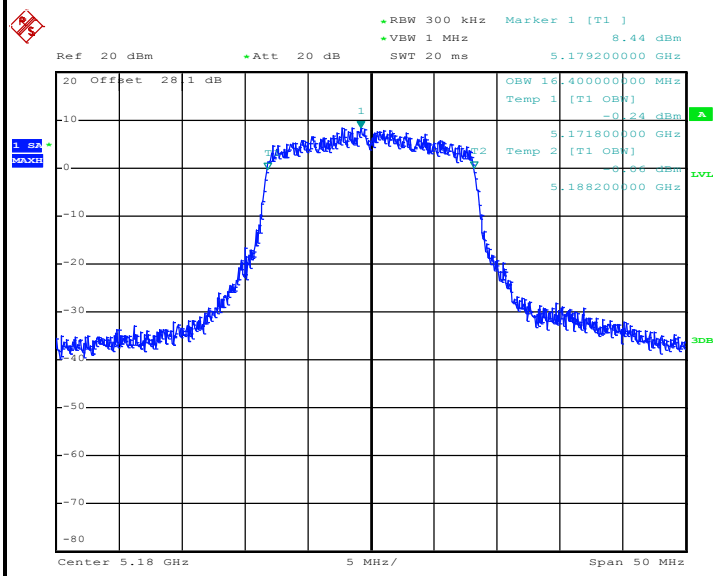
Maximum 99% Occupied Bandwidth

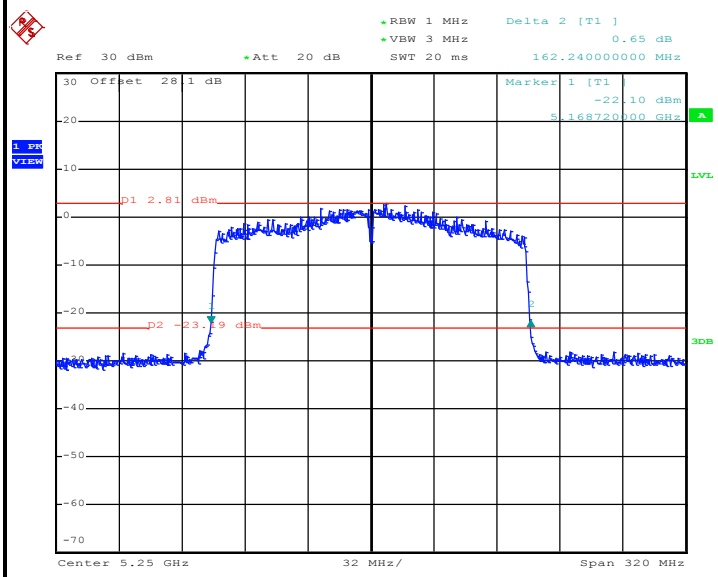


Date: 26.JUL.2021 17:34:23

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

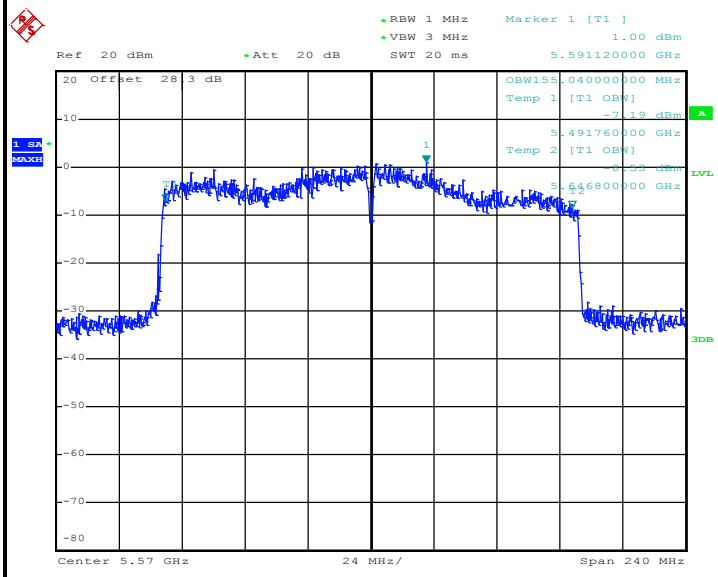
<802.11ax Mode>

Maximum 26dB Bandwidth



Date: 28.JUL.2021 14:48:26

Maximum 99% Occupied Bandwidth



Date: 28.JUL.2021 14:44:24

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

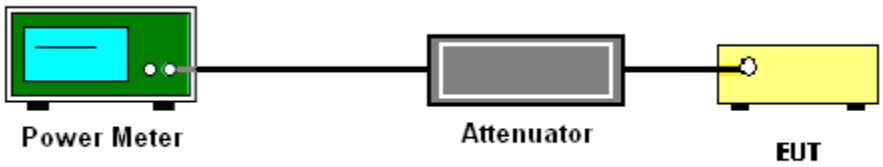
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-3 #

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

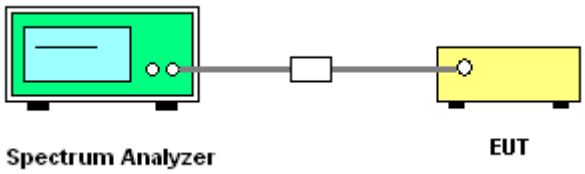
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

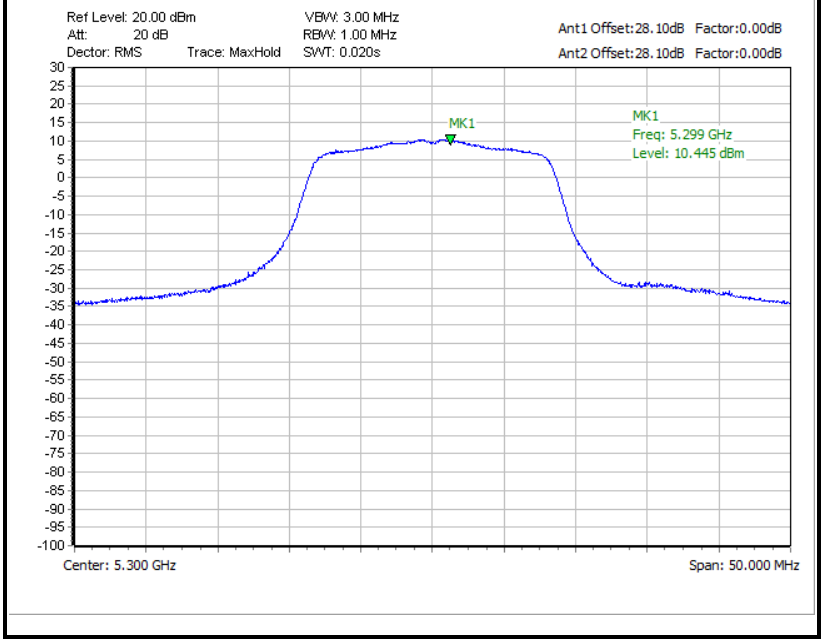
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

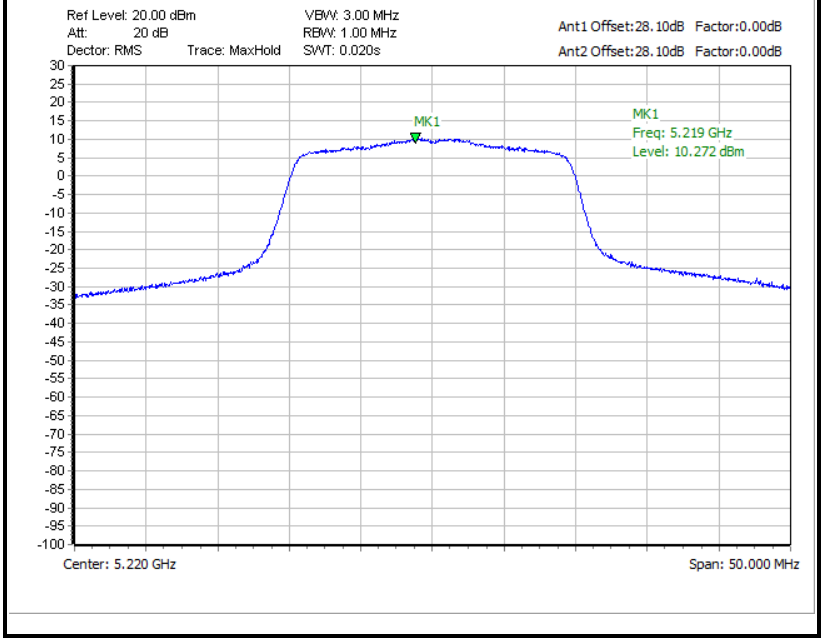
Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



<802.11ax Mode>

Worst Case Power Density (dBm/MHz)



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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

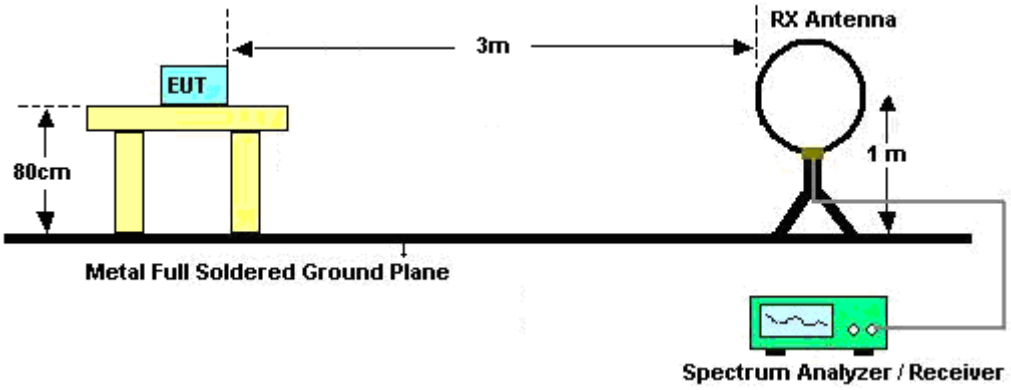
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

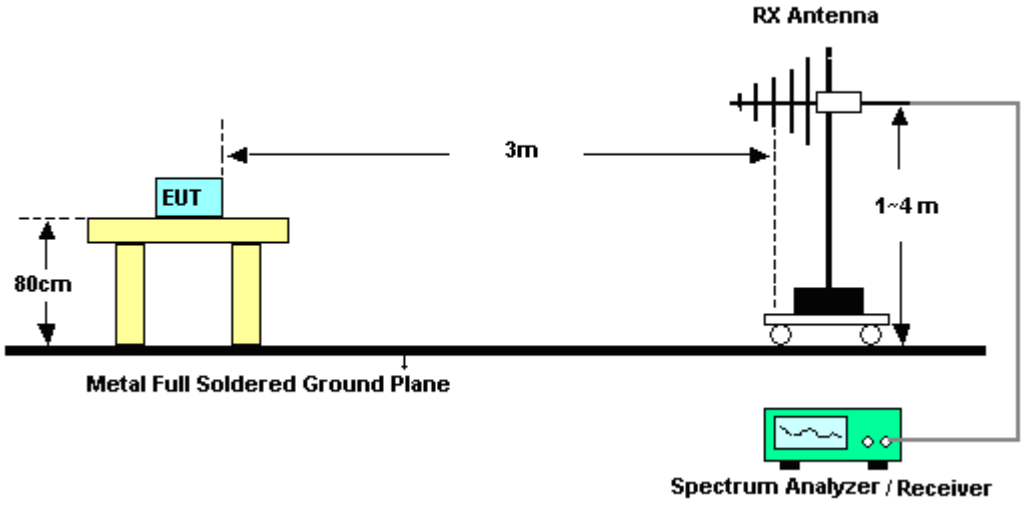
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

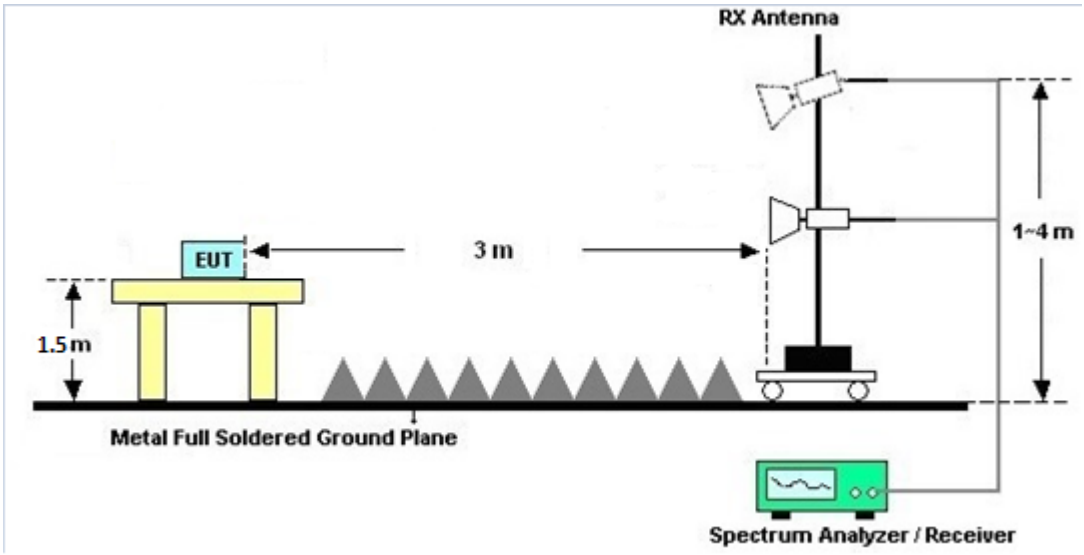
For radiated emissions below 30MHz



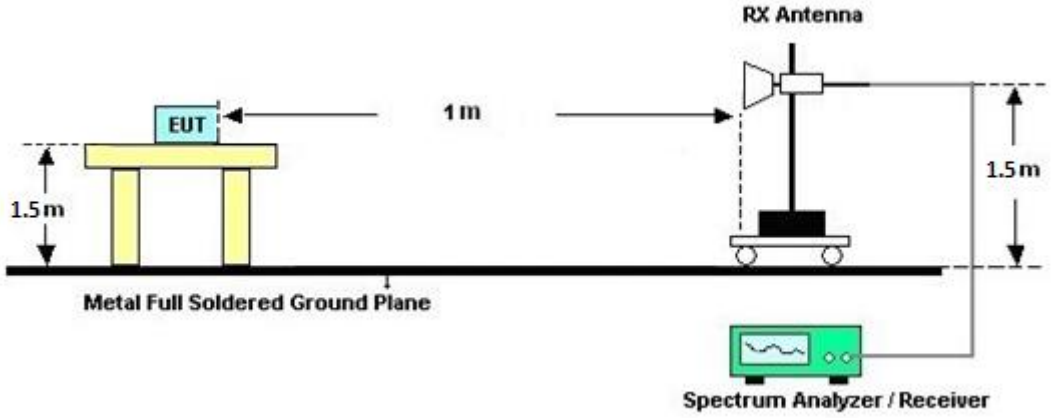
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at 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 Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

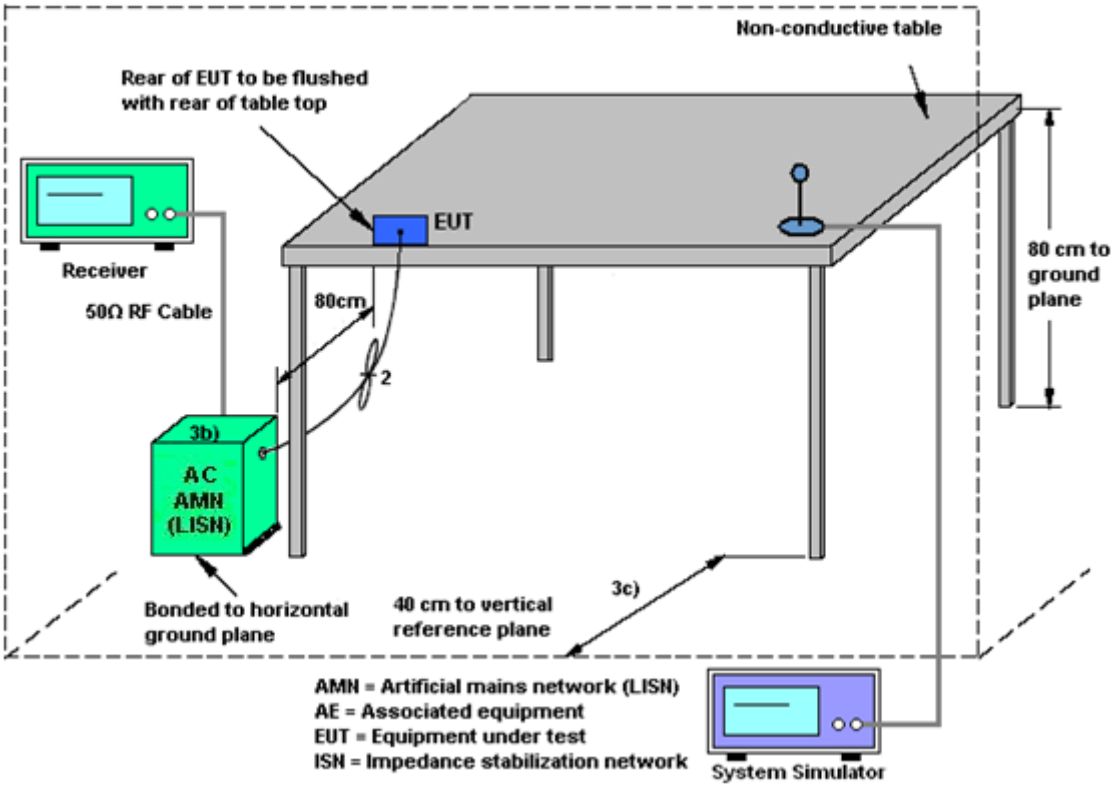
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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 = GANT + Array Gain, where Array Gain is as follows.

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 7 (dBi)	Ant. 9 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-1.53	-2.66	-1.53	0.93	0.00	0.00
Band II	-1.62	-2.09	-1.62	1.16	0.00	0.00
Band III	-1.55	-1.00	-1.00	1.74	0.00	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Jul. 17, 2021~ Jul. 22, 2021	Jun. 03, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 08, 2021	Jul. 17, 2021~ Jul. 22, 2021	Feb. 07, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2020	Jul. 17, 2021~ Jul. 22, 2021	Dec. 27, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Nov. 03, 2020	Jul. 17, 2021~ Jul. 22, 2021	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 02, 2020	Jul. 17, 2021~ Jul. 22, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 06, 2021	Jul. 17, 2021~ Jul. 22, 2021	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Jul. 17, 2021~ Jul. 22, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Oct. 27, 2020	Jul. 17, 2021~ Jul. 22, 2021	Oct. 26, 2021	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 02, 2020	Jul. 17, 2021~ Jul. 22, 2021	Nov. 01, 2021	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Jul. 17, 2021~ Jul. 22, 2021	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 17, 2021~ Jul. 22, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 17, 2021~ Jul. 22, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Jul. 17, 2021~ Jul. 22, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE,508405/2E	30MHz~18G	Nov. 16, 2020	Jul. 17, 2021~ Jul. 22, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Jul. 17, 2021~ Jul. 22, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Jul. 17, 2021~ Jul. 22, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Jul. 17, 2021~ Jul. 22, 2021	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 02, 2021	Jul. 17, 2021~ Jul. 22, 2021	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 30, 2021	Jul. 17, 2021~ Jul. 22, 2021	Jun. 29, 2022	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 15, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 15, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Jul. 15, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	N/A	Jul. 15, 2021	N/A	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Jul. 15, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jul. 15, 2021	Sep. 10, 2021	Conduction (CO07-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 10	10MHz~6GHz	Dec. 16, 2020	Jul. 03, 2021~ Jul. 30, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jan. 21, 2021	Jul. 03, 2021~ Jul. 30, 2021	Jan. 20, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Jul. 03, 2021~ Jul. 30, 2021	Mar. 16, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.2 dB**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2021/7/3~2021/07/30	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	36	5180	16.40	16.40	20.85	21.00	-		22.15		-	
11a	6Mbps	2	44	5220	16.40	16.35	20.90	20.65	-		22.14			
11a	6Mbps	2	48	5240	16.40	16.40	21.05	20.80	-		22.15			

Report Number : FR162425E

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	36	5180	16.30	16.30	19.31	24.00		-1.53			Pass
11a	6Mbps	2	44	5220	16.10	16.50	19.31	24.00		-1.53			Pass
11a	6Mbps	2	48	5240	16.30	16.40	19.36	24.00		-1.53			Pass
HT20	MCS0	2	36	5180	16.00	16.10	19.06	24.00		-1.53			Pass
HT20	MCS0	2	44	5220	15.80	16.40	19.12	24.00		-1.53			Pass
HT20	MCS0	2	48	5240	15.80	16.10	18.96	24.00		-1.53			Pass
HT40	MCS0	2	38	5190	13.30	13.30	16.31	24.00		-1.53			Pass
HT40	MCS0	2	46	5230	15.60	16.20	18.92	24.00		-1.53		-	Pass
VHT20	MCS0	2	36	5180	15.90	16.00	18.96	24.00		-1.53			Pass
VHT20	MCS0	2	44	5220	15.70	16.30	19.02	24.00		-1.53			Pass
VHT20	MCS0	2	48	5240	15.70	16.00	18.86	24.00		-1.53			Pass
VHT40	MCS0	2	38	5190	13.20	13.20	16.21	24.00		-1.53			Pass
VHT40	MCS0	2	46	5230	15.50	16.10	18.82	24.00		-1.53			Pass
VHT80	MCS0	2	42	5210	13.70	13.80	16.76	24.00		-1.53			Pass
VHT160	MCS0	2	50	5250	10.90	11.60	14.27	24.00		-1.53			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	36	5180	-		10.14	11.00		0.93		-	Pass
11a	6Mbps	2	44	5220			10.18	11.00		0.93			Pass
11a	6Mbps	2	48	5240			10.39	11.00		0.93			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	
11a	6Mbps	2	52	5260	16.40	16.35	20.80	20.70	23.14		29.14		23.98		
11a	6Mbps	2	60	5300	16.40	16.35	20.80	20.40	23.14		29.14		23.98		
11a	6Mbps	2	64	5320	16.35	16.35	20.85	20.55	23.14		29.14		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	52	5260	15.80	16.80	19.34	23.98		-1.62		30	Pass
11a	6Mbps	2	60	5300	15.60	16.90	19.31	23.98		-1.62		30	Pass
11a	6Mbps	2	64	5320	15.60	16.50	19.08	23.98		-1.62		30	Pass
HT20	MCS0	2	52	5260	15.50	16.80	19.21	23.98		-1.62		30	Pass
HT20	MCS0	2	60	5300	15.30	16.90	19.18	23.98		-1.62		30	Pass
HT20	MCS0	2	64	5320	15.20	16.20	18.74	23.98		-1.62		30	Pass
HT40	MCS0	2	54	5270	15.10	16.70	18.98	23.98		-1.62		30	Pass
HT40	MCS0	2	62	5310	13.00	14.00	16.54	23.98		-1.62		30	Pass
VHT20	MCS0	2	52	5260	15.40	16.70	19.11	23.98		-1.62		30	Pass
VHT20	MCS0	2	60	5300	15.20	16.80	19.08	23.98		-1.62		30	Pass
VHT20	MCS0	2	64	5320	15.10	16.10	18.64	23.98		-1.62		30	Pass
VHT40	MCS0	2	54	5270	15.00	16.60	18.88	23.98		-1.62		30	Pass
VHT40	MCS0	2	62	5310	12.90	13.90	16.44	23.98		-1.62		30	Pass
VHT80	MCS0	2	58	5290	13.00	13.80	16.43	23.98		-1.62		30	Pass
VHT160	MCS0	2	50	5250	10.90	11.60	14.27	23.98		-1.62		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	52	5260	-		10.18	11.00		1.16		-	Pass
11a	6Mbps	2	60	5300			10.45	11.00		1.16			Pass
11a	6Mbps	2	64	5320			10.21	11.00		1.16			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9
11a	6Mbps	2	100	5500	16.35	16.35	20.90	20.70	23.14		29.14		23.98		----	----
11a	6Mbps	2	116	5580	16.40	16.35	20.65	20.50	23.14		29.14		23.98		----	----
11a	6Mbps	2	140	5700	16.40	16.35	20.85	20.65	23.14		29.14		23.98		----	----

Band III straddle channel single antenna																
Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9
11a	6Mbps	2	144	5720	13.20	13.20	15.60	15.45	22.21		28.21		22.89		2.8	2.55

Report Number : FR162425E

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	100	5500	14.80	15.80	18.34	23.98		-1.00		30	Pass
11a	6Mbps	2	116	5580	15.60	16.10	18.87	23.98		-1.00		30	Pass
11a	6Mbps	2	140	5700	15.20	15.90	18.57	23.98		-1.00		30	Pass
HT20	MCS0	2	100	5500	14.40	15.40	17.94	23.98		-1.00		30	Pass
HT20	MCS0	2	116	5580	15.30	15.80	18.57	23.98		-1.00		30	Pass
HT20	MCS0	2	140	5700	14.90	15.80	18.38	23.98		-1.00		30	Pass
HT40	MCS0	2	102	5510	14.30	15.40	17.90	23.98		-1.00		30	Pass
HT40	MCS0	2	110	5550	15.00	15.50	18.27	23.98		-1.00		30	Pass
HT40	MCS0	2	134	5670	14.90	15.80	18.38	23.98		-1.00		30	Pass
VHT20	MCS0	2	100	5500	14.30	15.30	17.84	23.98		-1.00		30	Pass
VHT20	MCS0	2	116	5580	15.20	15.70	18.47	23.98		-1.00		30	Pass
VHT20	MCS0	2	140	5700	14.80	15.70	18.28	23.98		-1.00		30	Pass
VHT40	MCS0	2	102	5510	14.20	15.30	17.80	23.98		-1.00		30	Pass
VHT40	MCS0	2	110	5550	14.90	15.40	18.17	23.98		-1.00		30	Pass
VHT40	MCS0	2	134	5670	14.80	15.70	18.28	23.98		-1.00		30	Pass
VHT80	MCS0	2	106	5530	12.70	13.60	16.18	23.98		-1.00		30	Pass
VHT80	MCS0	2	122	5610	15.10	15.30	18.21	23.98		-1.00		30	Pass
VHT160	MCS0	2	114	5570	10.30	11.20	13.78	23.98		-1.00		30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	144	5720	14.90	15.40	18.17	22.89		-1.00		30	Pass
HT20	MCS0	2	144	5720	14.60	15.20	17.92	23.98		-1.00		30	Pass
HT40	MCS0	2	142	5710	14.80	15.30	18.07	23.98		-1.00		30	Pass
VHT20	MCS0	2	144	5720	14.50	15.10	17.82	23.98		-1.00		30	Pass
VHT40	MCS0	2	142	5710	14.70	15.20	17.97	23.98		-1.00		30	Pass
VHT80	MCS0	2	138	5690	14.70	15.50	18.13	23.98		-1.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	100	5500	-		9.69	11.00		1.74		-	Pass
11a	6Mbps	2	116	5580			9.88	11.00		1.74			Pass
11a	6Mbps	2	140	5700			9.98	11.00		1.74			Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
11a	6Mbps	2	144	5720	-		9.64	11.00		1.74		-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	36	5180	Full	18.95	18.90	22.75	23.05	-		22.76			
HE20	MCS0	2	44	5220	Full	18.90	18.95	22.75	22.90	-		22.76			
HE20	MCS0	2	48	5240	Full	18.90	18.95	22.65	22.80	-		22.76			
HE40	MCS0	2	38	5190	Full	37.80	38.00	41.40	41.67	-		23.01		-	
HE40	MCS0	2	46	5230	Full	37.90	37.90	41.49	41.31	-		23.01			
HE80	MCS0	2	42	5210	Full	77.52	77.64	81.76	82.08	-		23.01			
HE160	MCS0	2	50	5250	Full	154.80	154.08	162.24	161.28	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	36	5180	Full	16.10	16.20	19.16	24.00		-1.53			Pass
HE20	MCS0	2	36	5180	26/0	8.00	8.40	11.21	24.00		-1.53			Pass
HE20	MCS0	2	36	5180	52/37	10.40	10.80	13.61	24.00		-1.53			Pass
HE20	MCS0	2	36	5180	106/53	13.20	13.50	16.36	24.00		-1.53			Pass
HE20	MCS0	2	44	5220	Full	15.90	16.50	19.22	24.00		-1.53			Pass
HE20	MCS0	2	48	5240	Full	15.90	16.20	19.06	24.00		-1.53			Pass
HE40	MCS0	2	38	5190	Full	13.40	13.40	16.41	24.00		-1.53		-	Pass
HE40	MCS0	2	38	5190	242/61	11.60	11.70	14.66	24.00		-1.53			Pass
HE40	MCS0	2	46	5230	Full	15.70	16.30	19.02	24.00		-1.53			Pass
HE80	MCS0	2	42	5210	Full	13.80	13.90	16.86	24.00		-1.53			Pass
HE80	MCS0	2	42	5210	484/65	12.80	13.10	15.96	24.00		-1.53			Pass
HE160	MCS0	2	50	5250	Full	11.00	11.70	14.37	24.00		-1.53			Pass
HE160	MCS0	2	50	5250	996/67	9.60	10.30	12.97	24.00		-1.53			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9	
HE20	MCS0	2	36	5180	Full	-	-	10.14	11.00		0.93	-	Pass
HE20	MCS0	2	36	5180	26/0			9.32	11.00		0.93		Pass
HE20	MCS0	2	36	5180	52/37			9.52	11.00		0.93		Pass
HE20	MCS0	2	36	5180	106/53			9.59	11.00		0.93		Pass
HE20	MCS0	2	44	5220	Full			10.27	11.00		0.93		Pass
HE20	MCS0	2	48	5240	Full			10.04	11.00		0.93		Pass
HE40	MCS0	2	38	5190	Full			4.86	11.00		0.93		Pass
HE40	MCS0	2	38	5190	242/61			4.06	11.00		0.93		Pass
HE40	MCS0	2	46	5230	Full			7.56	11.00		0.93		Pass
HE80	MCS0	2	42	5210	Full			3.18	11.00		0.93		Pass
HE80	MCS0	2	42	5210	484/65			2.48	11.00		0.93		Pass
HE160	MCS0	2	50	5250	Full			-3.08	11.00		0.93		Pass
HE160	MCS0	2	50	5250	996/67			-3.94	11.00		0.93		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	
HE20	MCS0	2	52	5260	Full	18.95	19.00	22.75	22.80	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	18.95	18.95	22.35	22.85	23.78		29.78		23.98		
HE20	MCS0	2	64	5320	Full	19.00	18.95	22.75	22.75	23.78		29.78		23.98		
HE40	MCS0	2	54	5270	Full	37.90	38.00	42.12	41.76	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.90	37.80	41.94	41.67	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.64	77.76	81.60	81.60	23.98		30.00		23.98		
HE160	MCS0	2	50	5250	Full	154.80	154.08	162.24	161.28	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	52	5260	Full	15.60	16.90	19.31	23.98		-1.62		30	Pass
HE20	MCS0	2	60	5300	Full	15.40	17.00	19.28	23.98		-1.62		30	Pass
HE20	MCS0	2	64	5320	Full	15.30	16.30	18.84	23.98		-1.62		30	Pass
HE20	MCS0	2	64	5320	26/8	7.10	8.40	10.81	23.98		-1.62		30	Pass
HE20	MCS0	2	64	5320	52/40	10.50	11.10	13.82	23.98		-1.62		30	Pass
HE20	MCS0	2	64	5320	106/54	13.10	13.60	16.37	23.98		-1.62		30	Pass
HE40	MCS0	2	54	5270	Full	15.20	16.80	19.08	23.98		-1.62		30	Pass
HE40	MCS0	2	62	5310	Full	13.10	14.10	16.64	23.98		-1.62		30	Pass
HE40	MCS0	2	62	5310	242/62	12.00	11.50	14.77	23.98		-1.62		30	Pass
HE80	MCS0	2	58	5290	Full	13.10	13.90	16.53	23.98		-1.62		30	Pass
HE80	MCS0	2	58	5290	484/66	12.10	13.10	15.64	23.98		-1.62		30	Pass
HE160	MCS0	2	50	5250	Full	11.00	11.70	14.37	23.98		-1.62		30	Pass
HE160	MCS0	2	50	5250	996/S67	9.30	10.30	12.84	23.98		-1.62		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9	
HE20	MCS0	2	52	5260	Full	-		10.08	11.00		1.16	-	Pass
HE20	MCS0	2	60	5300	Full			10.26	11.00		1.16		Pass
HE20	MCS0	2	64	5320	Full			10.09	11.00		1.16		Pass
HE20	MCS0	2	64	5320	26/8			9.17	11.00		1.16		Pass
HE20	MCS0	2	64	5320	52/40			9.49	11.00		1.16		Pass
HE20	MCS0	2	64	5320	106/54			9.11	11.00		1.16		Pass
HE40	MCS0	2	54	5270	Full			7.25	11.00		1.16		Pass
HE40	MCS0	2	62	5310	Full			4.93	11.00		1.16		Pass
HE40	MCS0	2	62	5310	242/62			4.40	11.00		1.16		Pass
HE80	MCS0	2	58	5290	Full			2.90	11.00		1.16		Pass
HE80	MCS0	2	58	5290	484/66			2.26	11.00		1.16		Pass
HE160	MCS0	2	50	5250	Full			-3.08	11.00		1.16		Pass
HE160	MCS0	2	50	5250	996/S67			-3.80	11.00		1.16		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9
HE20	MCS0	2	100	5500	Full	18.95	18.90	22.65	22.95	23.76		29.76		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.95	18.95	22.65	22.90	23.78		29.78		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.95	18.95	22.65	22.75	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.90	37.80	41.49	41.67	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.90	37.80	41.85	41.67	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.90	37.80	41.58	41.67	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	78.00	77.40	81.92	81.92	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	78.00	77.64	82.24	82.72	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	155.04	155.04	161.60	161.92	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9	Ant 7	Ant 9
HE20	MCS0	2	144	5720	Full	14.50	14.50	16.55	16.35	22.61		28.61		23.14		4.25	4.25
HE40	MCS0	2	142	5710	Full	34.10	34.10	35.88	35.79	23.98		30.00		23.98		2.55	2.55
HE80	MCS0	2	138	5690	Full	74.12	74.24	76.28	76.12	23.98		30.00		23.98		2.6	1.32

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	100	5500	Full	14.50	15.50	18.04	23.98		-1.00		30	Pass
HE20	MCS0	2	100	5500	26/0	6.20	7.40	9.85	23.98		-1.00		30	Pass
HE20	MCS0	2	100	5500	52/37	9.00	9.90	12.48	23.98		-1.00		30	Pass
HE20	MCS0	2	100	5500	106/53	12.50	13.60	16.10	23.98		-1.00		30	Pass
HE20	MCS0	2	116	5580	Full	15.40	15.90	18.67	23.98		-1.00		30	Pass
HE20	MCS0	2	140	5700	Full	15.00	15.90	18.48	23.98		-1.00		30	Pass
HE20	MCS0	2	140	5700	26/8	6.80	7.80	10.34	23.98		-1.00		30	Pass
HE20	MCS0	2	140	5700	52/40	9.90	10.30	13.11	23.98		-1.00		30	Pass
HE20	MCS0	2	140	5700	106/54	12.50	12.90	15.71	23.98		-1.00		30	Pass
HE40	MCS0	2	102	5510	Full	14.40	15.50	18.00	23.98		-1.00		30	Pass
HE40	MCS0	2	102	5510	242/61	13.00	14.20	16.65	23.98		-1.00		30	Pass
HE40	MCS0	2	110	5550	Full	15.10	15.60	18.37	23.98		-1.00		30	Pass
HE40	MCS0	2	134	5670	Full	15.00	15.90	18.48	23.98		-1.00		30	Pass
HE40	MCS0	2	134	5670	242/62	13.50	13.10	16.31	23.98		-1.00		30	Pass
HE80	MCS0	2	106	5530	Full	12.80	13.70	16.28	23.98		-1.00		30	Pass
HE80	MCS0	2	106	5530	484/65	12.30	13.10	15.73	23.98		-1.00		30	Pass
HE80	MCS0	2	122	5610	Full	15.20	15.40	18.31	23.98		-1.00		30	Pass
HE80	MCS0	2	122	5610	484/66	14.20	14.60	17.41	23.98		-1.00		30	Pass
HE160	MCS0	2	114	5570	Full	10.40	11.30	13.88	23.98		-1.00		30	Pass
HE160	MCS0	2	114	5570	996/67	9.10	9.80	12.47	23.98		-1.00		30	Pass
HE160	MCS0	2	114	5570	996/S67	9.00	9.50	12.27	23.98		-1.00		30	Pass

FCC Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	144	5720	Full	14.70	15.30	18.02	23.14		-1.00		30	Pass
HE40	MCS0	2	142	5710	Full	14.90	15.40	18.17	23.98		-1.00		30	Pass
HE80	MCS0	2	138	5690	Full	14.80	15.60	18.23	23.98		-1.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	100	5500	Full			9.45	11.00		1.74			Pass
HE20	MCS0	2	100	5500	26/0			8.70	11.00		1.74			Pass
HE20	MCS0	2	100	5500	52/37			8.71	11.00		1.74			Pass
HE20	MCS0	2	100	5500	106/53			8.95	11.00		1.74			Pass
HE20	MCS0	2	116	5580	Full			9.90	11.00		1.74			Pass
HE20	MCS0	2	140	5700	Full			9.71	11.00		1.74			Pass
HE20	MCS0	2	140	5700	26/8			9.13	11.00		1.74			Pass
HE20	MCS0	2	140	5700	52/40			9.17	11.00		1.74			Pass
HE20	MCS0	2	140	5700	106/54			9.05	11.00		1.74			Pass
HE40	MCS0	2	102	5510	Full			7.00	11.00		1.74			Pass
HE40	MCS0	2	102	5510	242/61	-		6.45	11.00		1.74		-	Pass
HE40	MCS0	2	110	5550	Full			7.03	11.00		1.74			Pass
HE40	MCS0	2	134	5670	Full			6.95	11.00		1.74			Pass
HE40	MCS0	2	134	5670	242/62			6.14	11.00		1.74			Pass
HE80	MCS0	2	106	5530	Full			3.08	11.00		1.74			Pass
HE80	MCS0	2	106	5530	484/65			2.47	11.00		1.74			Pass
HE80	MCS0	2	122	5610	Full			4.67	11.00		1.74			Pass
HE80	MCS0	2	122	5610	484/66			4.03	11.00		1.74			Pass
HE160	MCS0	2	114	5570	Full			-3.16	11.00		1.74			Pass
HE160	MCS0	2	114	5570	996/67			-3.91	11.00		1.74			Pass
HE160	MCS0	2	114	5570	996/S67			-3.79	11.00		1.74			Pass

Band III straddle channel MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 7	Ant 9	SUM	Ant 7	Ant 9	Ant 7	Ant 9		
HE20	MCS0	2	144	5720	Full			9.06	11.00		1.74			Pass
HE40	MCS0	2	142	5710	Full	-		6.72	11.00		1.74		-	Pass
HE80	MCS0	2	138	5690	Full			4.40	11.00		1.74			Pass

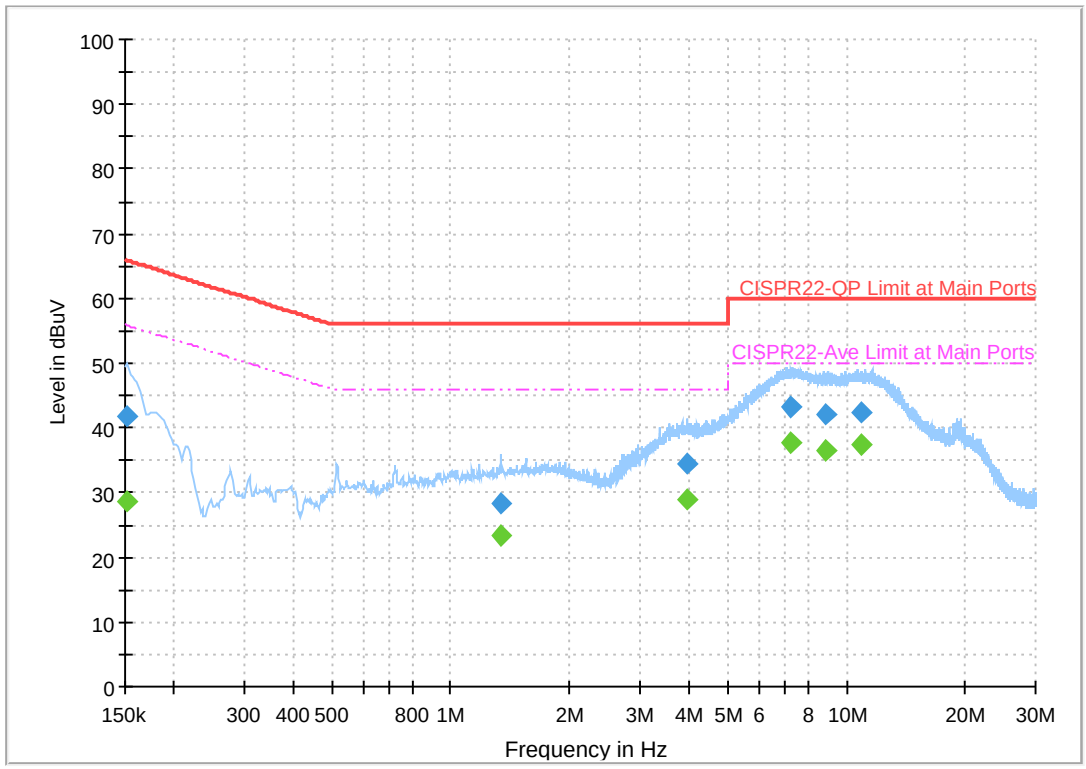
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	162425
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



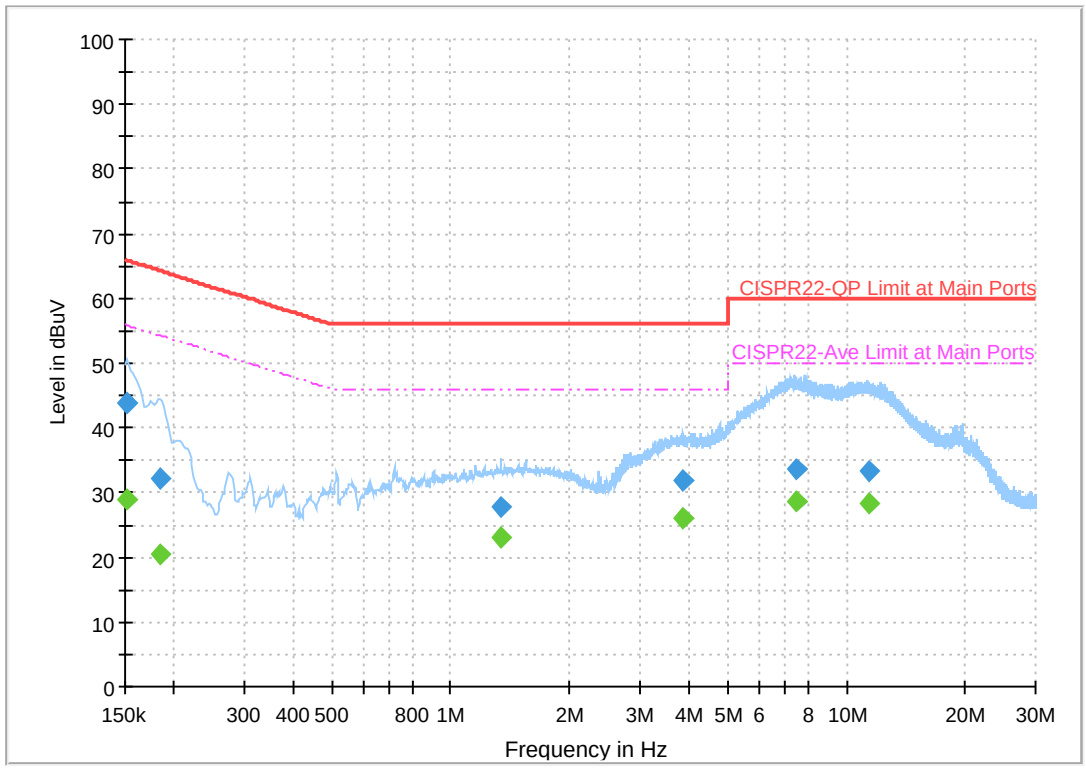
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.56	55.88	27.32	L1	OFF	20.0
0.152250	41.93	---	65.88	23.94	L1	OFF	20.0
1.338000	---	23.30	46.00	22.70	L1	OFF	20.0
1.338000	28.34	---	56.00	27.66	L1	OFF	20.0
3.930000	---	29.01	46.00	16.99	L1	OFF	20.1
3.930000	34.38	---	56.00	21.62	L1	OFF	20.1
7.201500	---	37.59	50.00	12.41	L1	OFF	20.1
7.201500	43.21	---	60.00	16.79	L1	OFF	20.1
8.826000	---	36.56	50.00	13.44	L1	OFF	20.1
8.826000	42.00	---	60.00	18.00	L1	OFF	20.1
10.853250	---	37.31	50.00	12.69	L1	OFF	20.2
10.853250	42.49	---	60.00	17.51	L1	OFF	20.2

EUT Information

Report NO :	162425
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	43.73	---	65.88	22.15	N	OFF	20.0
0.152250	---	28.92	55.88	26.96	N	OFF	20.0
0.183750	32.29	---	64.31	32.03	N	OFF	20.0
0.183750	---	20.46	54.31	33.85	N	OFF	20.0
1.335750	27.85	---	56.00	28.15	N	OFF	20.0
1.335750	---	23.09	46.00	22.91	N	OFF	20.0
3.869250	31.76	---	56.00	24.24	N	OFF	20.1
3.869250	---	25.93	46.00	20.07	N	OFF	20.1
7.433250	33.74	---	60.00	26.26	N	OFF	20.1
7.433250	---	28.70	50.00	21.30	N	OFF	20.1
11.379750	33.20	---	60.00	26.80	N	OFF	20.2
11.379750	---	28.42	50.00	21.58	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	23.2~24.6°C
		Relative Humidity :	42~56%

Band 1 - 5150~5250MHz

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.	
7+9		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	57.75	-16.25	74	45.96	31.8	10	30.01	100	52	P	H
		5150	48.88	-5.12	54	37.09	31.8	10	30.01	100	52	A	H
	*	5180	111.09	-	-	99.45	31.62	10.03	30.01	100	52	P	H
	*	5180	104.17	-	-	92.53	31.62	10.03	30.01	100	52	A	H
													H
													H
		5149.5	55.33	-18.67	74	43.54	31.8	10	30.01	324	253	P	V
		5150	46.42	-7.58	54	34.63	31.8	10	30.01	324	253	A	V
	*	5180	108.37	-	-	96.73	31.62	10.03	30.01	324	253	P	V
	*	5180	101.33	-	-	89.69	31.62	10.03	30.01	324	253	A	V
													V
													V
802.11a CH 44 5220MHz		5115.96	51.1	-22.9	74	39.35	31.8	9.96	30.01	100	52	P	H
		5141.96	41.99	-12.01	54	30.21	31.8	9.99	30.01	100	52	A	H
	*	5220	112.29	-	-	100.85	31.38	10.07	30.01	100	52	P	H
	*	5220	105.29	-	-	93.85	31.38	10.07	30.01	100	52	A	H
		5370.12	50	-24	74	38.59	31.22	10.19	30	100	52	P	H
		5432.56	41.31	-12.69	54	29.53	31.53	10.24	29.99	100	52	A	H
		5146.9	50.71	-23.29	74	38.93	31.8	9.99	30.01	357	252	P	V
		5118.3	41.52	-12.48	54	29.77	31.8	9.96	30.01	357	252	A	V
	*	5220	109.69	-	-	98.25	31.38	10.07	30.01	357	252	P	V
	*	5220	102.69	-	-	91.25	31.38	10.07	30.01	357	252	A	V
		5430.32	51.61	-22.39	74	39.84	31.52	10.24	29.99	357	252	P	V
		5428.08	41.15	-12.85	54	29.4	31.51	10.23	29.99	357	252	A	V

802.11a CH 48 5240MHz		5099.58	50.6	-23.4	74	38.87	31.8	9.94	30.01	100	51	P	H
		5130.52	41.66	-12.34	54	29.89	31.8	9.98	30.01	100	51	A	H
	*	5240	112.91	-	-	101.58	31.26	10.08	30.01	100	51	P	H
	*	5240	105.82	-	-	94.49	31.26	10.08	30.01	100	51	A	H
		5361.16	51.06	-22.94	74	39.71	31.17	10.18	30	100	51	P	H
		5439.56	41.38	-12.62	54	29.57	31.56	10.24	29.99	100	51	A	H
		5130.52	50.65	-23.35	74	38.88	31.8	9.98	30.01	335	253	P	V
		5146.9	41.5	-12.5	54	29.72	31.8	9.99	30.01	335	253	A	V
	*	5240	109.84	-	-	98.51	31.26	10.08	30.01	335	253	P	V
	*	5240	102.84	-	-	91.51	31.26	10.08	30.01	335	253	A	V
		5418.28	49.91	-24.09	74	38.2	31.47	10.23	29.99	335	253	P	V
		5457.2	41.33	-12.67	54	29.46	31.6	10.26	29.99	335	253	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 7+9	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 36 5180MHz		10360	47.86	-20.34	68.2	54.67	39.44	14.55	60.8	100	0	P	H
		15540	46.74	-27.26	74	54.27	37.82	17.01	62.36	100	0	P	H
		17978	59.24	-14.76	74	49	48.6	18.93	57.29	100	38	P	H
		17978	48.19	-5.81	54	37.95	48.6	18.93	57.29	100	38	A	H
													H
													H
		10360	46.74	-21.46	68.2	53.55	39.44	14.55	60.8	100	0	P	V
		15540	47.09	-26.91	74	54.62	37.82	17.01	62.36	100	0	P	V
		17989	58.92	-15.08	74	48.46	48.8	18.93	57.27	100	18	P	V
		17989	48.7	-5.3	54	38.24	48.8	18.93	57.27	100	18	A	V
													V
													V
802.11a CH 44 5220MHz		10440	47.03	-21.17	68.2	53.67	39.64	14.59	60.87	100	0	P	H
		15660	46.9	-27.1	74	54.21	37.52	17.07	61.9	100	0	P	H
		18000	59.02	-14.98	74	48.32	49	18.94	57.24	100	24	P	H
		18000	48.96	-5.04	54	38.26	49	18.94	57.24	100	24	A	H
													H
													H
		10440	46.91	-21.29	68.2	53.55	39.64	14.59	60.87	100	0	P	V
		15660	45.96	-28.04	74	53.27	37.52	17.07	61.9	100	0	P	V
		17978	59.25	-14.75	74	49.01	48.6	18.93	57.29	100	35	P	V
		17978	48.57	-5.43	54	38.33	48.6	18.93	57.29	100	35	A	V
													V
													V

802.11a CH 48 5240MHz		10480	47.04	-21.16	68.2	53.66	39.68	14.61	60.91	100	0	P	H
		15720	45.88	-28.12	74	53.11	37.34	17.1	61.67	100	0	P	H
		18000	59.25	-14.75	74	48.55	49	18.94	57.24	100	26	P	H
		18000	48.99	-5.01	54	38.29	49	18.94	57.24	100	26	A	H
													H
													H
		10480	47.83	-20.37	68.2	54.45	39.68	14.61	60.91	100	0	P	V
		15720	46.39	-27.61	74	53.62	37.34	17.1	61.67	100	0	P	V
		17989	59.45	-14.55	74	48.99	48.8	18.93	57.27	100	61	P	V
		17989	48.98	-5.02	54	38.52	48.8	18.93	57.27	100	61	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 7+9	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)
		5150	63.61	-10.39	74	51.82	31.8	10	30.01	100	52	P	H
		5150	50.73	-3.27	54	38.94	31.8	10	30.01	100	52	A	H
	*	5180	110.78	-	-	99.14	31.62	10.03	30.01	100	52	P	H
	*	5180	101.18	-	-	89.54	31.62	10.03	30.01	100	52	A	H
802.11ax													H
HE20 Full													H
CH 36		5149.24	56.06	-17.94	74	44.27	31.8	10	30.01	343	253	P	V
5180MHz		5150	47.36	-6.64	54	35.57	31.8	10	30.01	343	253	A	V
	*	5180	106.8	-	-	95.16	31.62	10.03	30.01	343	253	P	V
	*	5180	98.35	-	-	86.71	31.62	10.03	30.01	343	253	A	V
													V
													V
		5051.74	50.93	-23.07	74	39.36	31.7	9.89	30.02	100	54	P	H
		5140.4	41.3	-12.7	54	29.52	31.8	9.99	30.01	100	54	A	H
	*	5220	110.09	-	-	98.65	31.38	10.07	30.01	100	54	P	H
	*	5220	101.64	-	-	90.2	31.38	10.07	30.01	100	54	A	H
802.11ax		5377.68	50.51	-23.49	74	39.05	31.27	10.19	30	100	54	P	H
HE20 Full		5458.32	40.77	-13.23	54	28.9	31.6	10.26	29.99	100	54	A	H
CH 44		5121.42	50.67	-23.33	74	38.91	31.8	9.97	30.01	358	253	P	V
5220MHz		5144.04	41.01	-12.99	54	29.23	31.8	9.99	30.01	358	253	A	V
	*	5220	108.64	-	-	97.2	31.38	10.07	30.01	358	253	P	V
	*	5220	98.84	-	-	87.4	31.38	10.07	30.01	358	253	A	V
		5424.72	50.16	-23.84	74	38.42	31.5	10.23	29.99	358	253	P	V
		5457.2	40.76	-13.24	54	28.89	31.6	10.26	29.99	358	253	A	V

		5088.14	51.08	-22.92	74	39.38	31.78	9.93	30.01	100	53	P	H
		5142.74	41.11	-12.89	54	29.33	31.8	9.99	30.01	100	53	A	H
	*	5240	110.67	-	-	99.34	31.26	10.08	30.01	100	53	P	H
	*	5240	102.01	-	-	90.68	31.26	10.08	30.01	100	53	A	H
802.11ax		5383.84	50.85	-23.15	74	39.35	31.3	10.2	30	100	53	P	H
HE20 Full		5458.32	40.78	-13.22	54	28.91	31.6	10.26	29.99	100	53	A	H
CH 48		5105.56	51.02	-22.98	74	39.28	31.8	9.95	30.01	317	253	P	V
5240MHz		5117.78	41.06	-12.94	54	29.31	31.8	9.96	30.01	317	253	A	V
	*	5240	109.58	-	-	98.25	31.26	10.08	30.01	317	253	P	V
	*	5240	98.98	-	-	87.65	31.26	10.08	30.01	317	253	A	V
		5430.04	50.74	-23.26	74	38.97	31.52	10.24	29.99	317	253	P	V
		5457.48	40.91	-13.09	54	29.04	31.6	10.26	29.99	317	253	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		10360	47.26	-20.94	68.2	54.07	39.44	14.55	60.8	100	0	P	H
		15540	46.29	-27.71	74	53.82	37.82	17.01	62.36	100	0	P	H
		17978	59.15	-14.85	74	48.91	48.6	18.93	57.29	100	35	P	H
		17978	48.41	-5.59	54	38.17	48.6	18.93	57.29	100	35	A	H
802.11ax													H
HE20 Full													H
CH 36		10360	47.28	-20.92	68.2	54.09	39.44	14.55	60.8	100	0	P	V
5180MHz		15540	46.82	-27.18	74	54.35	37.82	17.01	62.36	100	0	P	V
		17989	58.64	-15.36	74	48.18	48.8	18.93	57.27	100	22	P	V
		17989	48.72	-5.28	54	38.26	48.8	18.93	57.27	100	22	A	V
													V
													V
		10440	47.3	-20.9	68.2	53.94	39.64	14.59	60.87	100	0	P	H
		15660	45.93	-28.07	74	53.24	37.52	17.07	61.9	100	0	P	H
		18000	59.5	-14.5	74	48.8	49	18.94	57.24	100	38	P	H
		18000	48.69	-5.31	54	37.99	49	18.94	57.24	100	38	A	H
802.11ax													H
HE20 Full													H
CH 44		10440	47.06	-21.14	68.2	53.7	39.64	14.59	60.87	100	0	P	V
5220MHz		15660	45.94	-28.06	74	53.25	37.52	17.07	61.9	100	0	P	V
		17989	59.39	-14.61	74	48.93	48.8	18.93	57.27	100	15	P	V
		17989	48.99	-5.01	54	38.53	48.8	18.93	57.27	100	15	A	V
													V
													V

		10480	46.34	-21.86	68.2	52.96	39.68	14.61	60.91	100	0	P	H
		15720	45.18	-28.82	74	52.41	37.34	17.1	61.67	100	0	P	H
		17989	59.21	-14.79	74	48.75	48.8	18.93	57.27	100	29	P	H
		17989	48.72	-5.28	54	38.26	48.8	18.93	57.27	100	29	A	H
802.11ax													H
HE20 Full													H
CH 48		10480	46.9	-21.3	68.2	53.52	39.68	14.61	60.91	100	0	P	V
5240MHz		15720	45.67	-28.33	74	52.9	37.34	17.1	61.67	100	0	P	V
		17989	60.41	-13.59	74	49.95	48.8	18.93	57.27	100	28	P	V
		17989	48.64	-5.36	54	38.18	48.8	18.93	57.27	100	28	A	V
													V
													V

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

Band 1 5150~5250MHz

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

WIFI Ant. 7+9	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)
		5149.5	62.8	-11.2	74	51.01	31.8	10	30.01	100	52	P	H
		5150	45.18	-8.82	54	33.39	31.8	10	30.01	100	52	A	H
	*	5180	113.87	-	-	102.23	31.62	10.03	30.01	100	52	P	H
802.11ax	*	5180	105.3	-	-	93.66	31.62	10.03	30.01	100	52	A	H
HE20													H
Partial													H
106/53		5146.64	58.47	-15.53	74	46.69	31.8	9.99	30.01	325	250	P	V
CH 36		5150	44.34	-9.66	54	32.55	31.8	10	30.01	325	250	A	V
5180MHz	*	5180	110.93	-	-	99.29	31.62	10.03	30.01	325	250	P	V
	*	5180	102.48	-	-	90.84	31.62	10.03	30.01	325	250	A	V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 7+9	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)
		5150	58.08	-15.92	74	46.29	31.8	10	30.01	100	53	P	H
		5149.76	48.9	-5.1	54	37.11	31.8	10	30.01	100	53	A	H
	*	5190	106.11	-	-	94.52	31.56	10.04	30.01	100	53	P	H
	*	5190	96.54	-	-	84.95	31.56	10.04	30.01	100	53	A	H
802.11ax		5374.6	49.01	-24.99	74	37.57	31.25	10.19	30	100	53	P	H
HE40 Full		5408.2	38.94	-15.06	54	27.29	31.43	10.22	30	100	53	A	H
CH 38		5148.46	55.33	-18.67	74	43.54	31.8	10	30.01	307	258	P	V
5190MHz		5150	45.75	-8.25	54	33.96	31.8	10	30.01	307	258	A	V
	*	5190	102.51	-	-	90.92	31.56	10.04	30.01	307	258	P	V
	*	5190	92.65	-	-	81.06	31.56	10.04	30.01	307	258	A	V
		5455.24	48.45	-25.55	74	36.58	31.6	10.26	29.99	307	258	P	V
		5451.32	38.87	-15.13	54	27.01	31.6	10.25	29.99	307	258	A	V
		5150	53.84	-20.16	74	42.05	31.8	10	30.01	100	53	P	H
		5150	42.67	-11.33	54	30.88	31.8	10	30.01	100	53	A	H
	*	5230	108.5	-	-	97.12	31.32	10.07	30.01	100	53	P	H
	*	5230	98.82	-	-	87.44	31.32	10.07	30.01	100	53	A	H
802.11ax		5366.76	49.97	-24.03	74	38.59	31.2	10.18	30	100	53	P	H
HE40 Full		5350.8	40.53	-13.47	54	29.26	31.1	10.17	30	100	53	A	H
CH 46		5134.16	51	-23	74	39.23	31.8	9.98	30.01	318	251	P	V
5230MHz		5150	40.57	-13.43	54	28.78	31.8	10	30.01	318	251	A	V
	*	5230	104.73	-	-	93.35	31.32	10.07	30.01	318	251	P	V
	*	5230	95.66	-	-	84.28	31.32	10.07	30.01	318	251	A	V
		5379.92	49.41	-24.59	74	37.94	31.28	10.19	30	318	251	P	V
		5360.88	39.3	-14.7	54	27.95	31.17	10.18	30	318	251	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		10380	47.45	-20.75	68.2	54.19	39.52	14.56	60.82	100	0	P	H
		15570	47.83	-26.17	74	55.28	37.76	17.03	62.24	100	0	P	H
		17978	59.91	-14.09	74	49.67	48.6	18.93	57.29	100	25	P	H
		17978	48.93	-5.07	54	38.69	48.6	18.93	57.29	100	25	A	H
802.11ax													H
HE40 Full													H
CH 38		10380	46.91	-21.29	68.2	53.65	39.52	14.56	60.82	100	0	P	V
5190MHz		15570	46.76	-27.24	74	54.21	37.76	17.03	62.24	100	0	P	V
		17989	60.55	-13.45	74	50.09	48.8	18.93	57.27	100	36	P	V
		17989	48.72	-5.28	54	38.26	48.8	18.93	57.27	100	36	A	V
													V
													V
		10460	47.81	-20.39	68.2	54.44	39.66	14.6	60.89	100	0	P	H
		15690	46.63	-27.37	74	53.9	37.43	17.09	61.79	100	0	P	H
		17989	59.29	-14.71	74	48.83	48.8	18.93	57.27	100	41	P	H
		17989	49.01	-4.99	54	38.55	48.8	18.93	57.27	100	41	A	H
802.11ax													H
HE40 Full													H
CH 46		10460	46.71	-21.49	68.2	53.34	39.66	14.6	60.89	100	0	P	V
5230MHz		15690	45.66	-28.34	74	52.93	37.43	17.09	61.79	100	0	P	V
		18000	59.21	-14.79	74	48.51	49	18.94	57.24	100	25	P	V
		18000	49.25	-4.75	54	38.55	49	18.94	57.24	100	25	A	V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 7+9	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5148.72	58.35	-15.65	74	46.56	31.8	10	30.01	100	48	P	H
		5149.5	48.78	-5.22	54	36.99	31.8	10	30.01	100	48	A	H
	*	5210	103.74	-	-	92.25	31.44	10.06	30.01	100	48	P	H
	*	5210	94.75	-	-	83.26	31.44	10.06	30.01	100	48	A	H
		5394.76	51.72	-22.28	74	40.14	31.37	10.21	30	100	48	P	H
		5353.04	42.03	-11.97	54	30.74	31.12	10.17	30	100	48	A	H
		5143	56.06	-17.94	74	44.28	31.8	9.99	30.01	305	252	P	V
		5150	45.85	-8.15	54	34.06	31.8	10	30.01	305	252	A	V
	*	5210	101.31	-	-	89.82	31.44	10.06	30.01	305	252	P	V
	*	5210	91.52	-	-	80.03	31.44	10.06	30.01	305	252	A	V
		5361.44	51.8	-22.2	74	40.45	31.17	10.18	30	305	252	P	V
		5459.16	41.41	-12.59	54	29.54	31.6	10.26	29.99	305	252	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		10420	47.24	-20.96	68.2	53.89	39.62	14.58	60.85	100	0	P	H
		15630	45.78	-28.22	74	53.13	37.61	17.06	62.02	100	0	P	H
		17978	59.2	-14.8	74	48.96	48.6	18.93	57.29	100	38	P	H
		17978	48.47	-5.53	54	38.23	48.6	18.93	57.29	100	38	A	H
802.11ax													H
HE80 Full													H
CH 42		10420	47.25	-20.95	68.2	53.9	39.62	14.58	60.85	100	0	P	V
5210MHz		15630	46	-28	74	53.35	37.61	17.06	62.02	100	0	P	V
		17989	58.83	-15.17	74	48.37	48.8	18.93	57.27	100	28	P	V
		17989	48.94	-5.06	54	38.48	48.8	18.93	57.27	100	28	A	V
													V
													V

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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 7+9	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 52 5260MHz		5098.26	49.62	-24.38	74	37.89	31.8	9.94	30.01	100	52	P	H
		5146.2	39.74	-14.26	54	27.96	31.8	9.99	30.01	100	52	A	H
	*	5260	112.53	-	-	101.23	31.2	10.1	30	100	52	P	H
	*	5260	105.63	-	-	94.33	31.2	10.1	30	100	52	A	H
		5358.48	49.98	-24.02	74	38.65	31.15	10.18	30	100	52	P	H
		5351.28	39.73	-14.27	54	28.45	31.11	10.17	30	100	52	A	H
		5072.42	49.21	-24.79	74	37.57	31.74	9.92	30.02	314	252	P	V
		5118.32	39.65	-14.35	54	27.9	31.8	9.96	30.01	314	252	A	V
	*	5260	109.58	-	-	98.28	31.2	10.1	30	314	252	P	V
	*	5260	102.6	-	-	91.3	31.2	10.1	30	314	252	A	V
		5449.68	49.28	-24.72	74	37.42	31.6	10.25	29.99	314	252	P	V
		5411.28	39.32	-14.68	54	27.65	31.45	10.22	30	314	252	A	V
802.11a CH 60 5300MHz		5120.02	49.53	-24.47	74	37.77	31.8	9.97	30.01	100	51	P	H
		5090.44	39.98	-14.02	54	28.28	31.78	9.93	30.01	100	51	A	H
	*	5300	112.82	-	-	101.49	31.2	10.13	30	100	51	P	H
	*	5300	105.49	-	-	94.16	31.2	10.13	30	100	51	A	H
		5350.8	51.46	-22.54	74	40.19	31.1	10.17	30	100	51	P	H
		5350.32	41.99	-12.01	54	30.72	31.1	10.17	30	100	51	A	H
		5105.4	49.96	-24.04	74	38.22	31.8	9.95	30.01	310	249	P	V
		5089.76	39.52	-14.48	54	27.82	31.78	9.93	30.01	310	249	A	V
	*	5300	109.51	-	-	98.18	31.2	10.13	30	310	249	P	V
	*	5300	102.24	-	-	90.91	31.2	10.13	30	310	249	A	V
		5401.44	49.55	-24.45	74	37.93	31.41	10.21	30	310	249	P	V
		5350.08	40.01	-13.99	54	28.74	31.1	10.17	30	310	249	A	V

802.11a CH 64 5320MHz	*	5320	112.41	-	-	101.1	31.16	10.15	30	100	51	P	H
	*	5320	105.05	-	-	93.74	31.16	10.15	30	100	51	A	H
		5354.4	60.72	-13.28	74	49.42	31.13	10.17	30	100	51	P	H
		5350.08	50.44	-3.56	54	39.17	31.1	10.17	30	100	51	A	H
													H
													H
	*	5320	109.39	-	-	98.08	31.16	10.15	30	324	243	P	V
	*	5320	102.24	-	-	90.93	31.16	10.15	30	324	243	A	V
		5350.08	54.8	-19.2	74	43.53	31.1	10.17	30	324	243	P	V
		5350.88	45.54	-8.46	54	34.26	31.11	10.17	30	324	243	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 7+9	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 52 5260MHz		10520	46.57	-21.63	68.2	53.17	39.7	14.63	60.93	100	0	P	H
		15780	46.31	-27.69	74	53.46	37.16	17.14	61.45	100	0	P	H
		17989	59.35	-14.65	74	48.89	48.8	18.93	57.27	100	32	P	H
		17989	48.94	-5.06	54	38.48	48.8	18.93	57.27	100	32	A	H
													H
													H
		10520	46.88	-21.32	68.2	53.48	39.7	14.63	60.93	100	0	P	V
		15780	45.95	-28.05	74	53.1	37.16	17.14	61.45	100	0	P	V
		17978	58.91	-15.09	74	48.67	48.6	18.93	57.29	100	24	P	V
		17978	48.79	-5.21	54	38.55	48.6	18.93	57.29	100	24	A	V
													V
													V
802.11a CH 60 5300MHz		10600	47.04	-26.96	74	53.59	39.7	14.67	60.92	100	0	P	H
		15900	45.9	-28.1	74	52.5	37.2	17.19	60.99	100	0	P	H
		17989	58.63	-15.37	74	48.17	48.8	18.93	57.27	100	25	P	H
		17989	49.03	-4.97	54	38.57	48.8	18.93	57.27	100	25	A	H
													H
													H
		10600	48.13	-25.87	74	54.68	39.7	14.67	60.92	100	0	P	V
		15900	45.84	-28.16	74	52.44	37.2	17.19	60.99	100	0	P	V
		17989	59.22	-14.78	74	48.76	48.8	18.93	57.27	100	19	P	V
		17989	48.99	-5.01	54	38.53	48.8	18.93	57.27	100	19	A	V
													V
													V

802.11a CH 64 5320MHz		10640	48.89	-25.11	74	55.33	39.78	14.69	60.91	100	0	P	H
		15960	45.79	-28.21	74	52.06	37.26	17.23	60.76	100	0	P	H
		18000	59.8	-14.2	74	49.1	49	18.94	57.24	100	38	P	H
		18000	49.06	-4.94	54	38.36	49	18.94	57.24	100	38	A	H
													H
													H
		10640	47.75	-26.25	74	54.19	39.78	14.69	60.91	100	0	P	V
		15960	46.38	-27.62	74	52.65	37.26	17.23	60.76	100	0	P	V
		17978	58.6	-15.4	74	48.36	48.6	18.93	57.29	100	28	P	V
		17978	48.59	-5.41	54	38.35	48.6	18.93	57.29	100	28	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 7+9	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)
		5135.32	50.2	-23.8	74	38.43	31.8	9.98	30.01	100	51	P	H
		5149.26	39.96	-14.04	54	28.17	31.8	10	30.01	100	51	A	H
	*	5270	108.36	-	-	97.05	31.2	10.11	30	100	51	P	H
	*	5270	99.14	-	-	87.83	31.2	10.11	30	100	51	A	H
802.11ax		5355.6	54.57	-19.43	74	43.27	31.13	10.17	30	100	51	P	H
HE40 Full		5351.28	43.38	-10.62	54	32.1	31.11	10.17	30	100	51	A	H
CH 54		5115.94	50.26	-23.74	74	38.51	31.8	9.96	30.01	312	242	P	V
5270MHz		5146.88	39.62	-14.38	54	27.84	31.8	9.99	30.01	312	242	A	V
	*	5270	106.4	-	-	95.09	31.2	10.11	30	312	242	P	V
	*	5270	95.92	-	-	84.61	31.2	10.11	30	312	242	A	V
		5356.56	50.9	-23.1	74	39.58	31.14	10.18	30	312	242	P	V
		5351.28	40.55	-13.45	54	29.27	31.11	10.17	30	312	242	A	V
		5137.36	49.81	-24.19	74	38.04	31.8	9.98	30.01	100	51	P	H
		5111.86	39.24	-14.76	54	27.49	31.8	9.96	30.01	100	51	A	H
	*	5310	106.38	-	-	95.06	31.18	10.14	30	100	51	P	H
	*	5310	97.5	-	-	86.18	31.18	10.14	30	100	51	A	H
802.11ax		5350.32	59.67	-14.33	74	48.4	31.1	10.17	30	100	51	P	H
HE40 Full		5350.08	49.83	-4.17	54	38.56	31.1	10.17	30	100	51	A	H
CH 62		5101.32	49.75	-24.25	74	38.01	31.8	9.95	30.01	309	244	P	V
5310MHz		5079.9	39.13	-14.87	54	27.47	31.76	9.92	30.02	309	244	A	V
	*	5310	101.34	-	-	90.02	31.18	10.14	30	309	244	P	V
	*	5310	92.52	-	-	81.2	31.18	10.14	30	309	244	A	V
		5352	54.72	-19.28	74	43.44	31.11	10.17	30	309	244	P	V
		5350.08	44.88	-9.12	54	33.61	31.1	10.17	30	309	244	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		10540	47.21	-20.99	68.2	53.79	39.7	14.64	60.92	100	0	P	H
		15810	45.2	-28.8	74	52.27	37.11	17.15	61.33	100	0	P	H
		18000	58.81	-15.19	74	48.11	49	18.94	57.24	100	33	P	H
		18000	48.98	-5.02	54	38.28	49	18.94	57.24	100	33	A	H
802.11ax													H
HE40 Full													H
CH 54		10540	46.4	-21.8	68.2	52.98	39.7	14.64	60.92	100	0	P	V
5270MHz		15810	44.77	-29.23	74	51.84	37.11	17.15	61.33	100	0	P	V
		17989	58.79	-15.21	74	48.33	48.8	18.93	57.27	100	41	P	V
		17989	49.27	-4.73	54	38.81	48.8	18.93	57.27	100	41	A	V
													V
													V
		10620	47.59	-26.41	74	54.08	39.74	14.68	60.91	100	0	P	H
		15930	45.89	-28.11	74	52.32	37.23	17.22	60.88	100	0	P	H
		17978	58.82	-15.18	74	48.58	48.6	18.93	57.29	100	31	P	H
		17978	48.89	-5.11	54	38.65	48.6	18.93	57.29	100	31	A	H
802.11ax													H
HE40 Full													H
CH 62		10620	48.32	-25.68	74	54.81	39.74	14.68	60.91	100	0	P	V
5310MHz		15930	45.35	-28.65	74	51.78	37.23	17.22	60.88	100	0	P	V
		17989	59.59	-14.41	74	49.13	48.8	18.93	57.27	100	19	P	V
		17989	48.72	-5.28	54	38.26	48.8	18.93	57.27	100	19	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 7+9	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)
		5098.94	50.85	-23.15	74	39.12	31.8	9.94	30.01	100	45	P	H
		5117.64	41.9	-12.1	54	30.15	31.8	9.96	30.01	100	45	A	H
	*	5290	104.19	-	-	92.87	31.2	10.12	30	100	45	P	H
	*	5290	94.99	-	-	83.67	31.2	10.12	30	100	45	A	H
802.11ax		5351.28	58.34	-15.66	74	47.06	31.11	10.17	30	100	45	P	H
HE80 Full		5352.48	49.62	-4.38	54	38.34	31.11	10.17	30	100	45	A	H
CH 58		5140.76	50.73	-23.27	74	38.95	31.8	9.99	30.01	348	255	P	V
5290MHz		5147.22	41.77	-12.23	54	29.99	31.8	9.99	30.01	348	255	A	V
	*	5290	101.69	-	-	90.37	31.2	10.12	30	348	255	P	V
	*	5290	91.76	-	-	80.44	31.2	10.12	30	348	255	A	V
		5356.56	56.12	-17.88	74	44.8	31.14	10.18	30	348	255	P	V
		5350.8	46.38	-7.62	54	35.11	31.1	10.17	30	348	255	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		10580	47.5	-20.7	68.2	54.06	39.7	14.66	60.92	100	0	P	H
		15870	45.67	-28.33	74	52.42	37.17	17.18	61.1	100	0	P	H
		17989	59.21	-14.79	74	48.75	48.8	18.93	57.27	100	22	P	H
		17989	48.39	-5.61	54	37.93	48.8	18.93	57.27	100	22	A	H
802.11ax													H
HE80 Full													H
CH 58		10580	46.68	-21.52	68.2	53.24	39.7	14.66	60.92	100	0	P	V
5290MHz		15870	45.68	-28.32	74	52.43	37.17	17.18	61.1	100	0	P	V
		18000	58.81	-15.19	74	48.11	49	18.94	57.24	100	28	P	V
		18000	49.01	-4.99	54	38.31	49	18.94	57.24	100	28	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 7+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 CH 50 5250MHz		5141.18	57.77	-16.23	74	45.99	31.8	9.99	30.01	100	297	P	H
		5145.86	47	-7	54	35.22	31.8	9.99	30.01	100	297	A	H
	*	5250	99.36	-	-	88.08	31.2	10.09	30.01	100	297	P	H
	*	5250	88.66	-	-	77.38	31.2	10.09	30.01	100	297	A	H
		5374.04	61.33	-12.67	74	49.9	31.24	10.19	30	100	297	P	H
		5352.2	50.01	-3.99	54	38.73	31.11	10.17	30	100	297	A	H
		5141.7	55.49	-18.51	74	43.71	31.8	9.99	30.01	372	246	P	V
		5136.24	44.87	-9.13	54	33.1	31.8	9.98	30.01	372	246	A	V
	*	5250	94.45	-	-	83.17	31.2	10.09	30.01	372	246	P	V
	*	5250	84.96	-	-	73.68	31.2	10.09	30.01	372	246	A	V
		5381.6	56.65	-17.35	74	45.16	31.29	10.2	30	372	246	P	V
		5386.08	46.33	-7.67	54	34.81	31.32	10.2	30	372	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 7+9	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 100 5500MHz		5458.48	52.24	-21.76	74	40.37	31.6	10.26	29.99	100	54	P	H
		5468.88	53.28	-14.92	68.2	41.4	31.6	10.27	29.99	100	54	P	H
		5459.12	42.84	-11.16	54	30.97	31.6	10.26	29.99	100	54	A	H
	*	5500	108.22	-	-	96.31	31.6	10.3	29.99	100	54	P	H
	*	5500	101.32	-	-	89.41	31.6	10.3	29.99	100	54	A	H
													H
		5456.24	51.72	-22.28	74	39.85	31.6	10.26	29.99	321	247	P	V
		5466.96	51.73	-16.47	68.2	39.85	31.6	10.27	29.99	321	247	P	V
		5459.92	42.08	-11.92	54	30.21	31.6	10.26	29.99	321	247	A	V
	*	5500	104.99	-	-	93.08	31.6	10.3	29.99	321	247	P	V
	*	5500	97.89	-	-	85.98	31.6	10.3	29.99	321	247	A	V
													V
802.11a CH 116 5580MHz		5379.52	52.07	-21.93	74	40.6	31.28	10.19	30	100	50	P	H
		5464.48	51.54	-16.66	68.2	39.67	31.6	10.26	29.99	100	50	P	H
		5449.36	41.7	-12.3	54	29.84	31.6	10.25	29.99	100	50	A	H
	*	5580	109.87	-	-	98	31.56	10.36	30.05	100	50	P	H
	*	5580	102.49	-	-	90.62	31.56	10.36	30.05	100	50	A	H
		5738.855	51.18	-17.02	68.2	39.03	31.78	10.53	30.16	100	50	P	H
		5378.56	52.36	-21.64	74	40.9	31.27	10.19	30	328	248	P	V
		5468.56	51.08	-17.12	68.2	39.2	31.6	10.27	29.99	328	248	P	V
		5453.92	41.59	-12.41	54	29.72	31.6	10.26	29.99	328	248	A	V
	*	5580	106.19	-	-	94.32	31.56	10.36	30.05	328	248	P	V
	*	5580	99.05	-	-	87.18	31.56	10.36	30.05	328	248	A	V
		5760.905	52.09	-16.11	68.2	39.91	31.8	10.56	30.18	328	248	P	V

802.11a CH 140 5700MHz	*	5700	110.54	-	-	98.48	31.7	10.49	30.13	100	50	P	H
	*	5700	109.63	-	-	97.57	31.7	10.49	30.13	100	50	A	H
		5725.16	61.13	-7.07	68.2	49.01	31.75	10.52	30.15	100	50	P	H
													H
													H
													H
	*	5700	105.3	-	-	93.24	31.7	10.49	30.13	313	249	P	V
	*	5700	98.5	-	-	86.44	31.7	10.49	30.13	313	249	A	V
		5725.16	55.28	-12.92	68.2	43.16	31.75	10.52	30.15	313	249	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 7+9	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 100 5500MHz		11000	49.98	-24.02	74	55.56	40.4	14.88	60.86	100	0	P	H
		16500	48.83	-19.37	68.2	50.81	38.9	17.68	58.56	100	0	P	H
		17988.9	59.98	-14.02	74	49.52	48.8	18.93	57.27	100	32	P	H
		17988.9	50.03	-3.97	54	39.57	48.8	18.93	57.27	100	32	A	H
													H
													H
		11000	49.81	-24.19	74	55.39	40.4	14.88	60.86	100	0	P	V
		16500	48.39	-19.81	68.2	50.37	38.9	17.68	58.56	100	0	P	V
		17977.8	60.04	-13.96	74	49.8	48.6	18.93	57.29	100	22	P	V
		17977.8	50.07	-3.93	54	39.83	48.6	18.93	57.29	100	22	A	V
													V
													V
802.11a CH 116 5580MHz		11160	48.83	-25.17	74	54.77	39.96	14.96	60.86	100	0	P	H
		16740	49.37	-18.83	68.2	50.18	39.94	17.88	58.63	100	0	P	H
		17977.8	59.02	-14.98	74	48.78	48.6	18.93	57.29	100	29	P	H
		17977.8	48.99	-5.01	54	38.75	48.6	18.93	57.29	100	29	A	H
													H
													H
		11160	47.47	-26.53	74	53.41	39.96	14.96	60.86	100	0	P	V
		16740	49.55	-18.65	68.2	50.36	39.94	17.88	58.63	100	0	P	V
		17988.9	58.78	-15.22	74	48.32	48.8	18.93	57.27	100	29	P	V
		17988.9	48.84	-5.16	54	38.38	48.8	18.93	57.27	100	29	A	V
													V
													V

802.11a CH 140 5700MHz		11400	47.99	-26.01	74	53.78	40	15.08	60.87	100	0	P	H
		17100	49.59	-18.61	68.2	49.45	40.6	18.18	58.64	100	0	P	H
		18000	58.43	-15.57	74	47.73	49	18.94	57.24	100	31	P	H
		18000	48.54	-5.46	54	37.84	49	18.94	57.24	100	31	A	H
													H
													H
		11400	48.75	-25.25	74	54.54	40	15.08	60.87	100	0	P	V
		17100	50.6	-17.6	68.2	50.46	40.6	18.18	58.64	100	0	P	V
		17988.9	59.1	-14.9	74	48.64	48.8	18.93	57.27	100	21	P	V
		17988.9	49.08	-4.92	54	38.62	48.8	18.93	57.27	100	21	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

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

WIFI Ant. 7+9	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)
		5457.12	58.58	-15.42	74	46.71	31.6	10.26	29.99	100	52	P	H
		5469.6	60.25	-7.95	68.2	48.37	31.6	10.27	29.99	100	52	P	H
		5459.98	47.68	-6.32	54	35.81	31.6	10.26	29.99	100	52	A	H
	*	5510	106.03	-	-	94.15	31.58	10.3	30	100	52	P	H
802.11ax	*	5510	96.25	-	-	84.37	31.58	10.3	30	100	52	A	H
HE40 Full		5743.265	52.09	-16.11	68.2	39.93	31.79	10.54	30.17	100	52	P	H
CH 102		5458.68	53.34	-20.66	74	41.47	31.6	10.26	29.99	319	246	P	V
5510MHz		5463.62	55.67	-12.53	68.2	43.8	31.6	10.26	29.99	319	246	P	V
		5459.98	43.68	-10.32	54	31.81	31.6	10.26	29.99	319	246	A	V
	*	5510	102.11	-	-	90.23	31.58	10.3	30	319	246	P	V
	*	5510	92.31	-	-	80.43	31.58	10.3	30	319	246	A	V
		5759.33	51.35	-16.85	68.2	39.17	31.8	10.56	30.18	319	246	P	V
		5453.48	53.43	-20.57	74	41.56	31.6	10.26	29.99	100	53	P	H
		5467.26	53.01	-15.19	68.2	41.13	31.6	10.27	29.99	100	53	P	H
		5459.72	42.53	-11.47	54	30.66	31.6	10.26	29.99	100	53	A	H
	*	5550	106.34	-	-	94.53	31.5	10.34	30.03	100	53	P	H
802.11ax	*	5550	96.71	-	-	84.9	31.5	10.34	30.03	100	53	A	H
HE40 Full		5753.66	50.95	-17.25	68.2	38.77	31.8	10.55	30.17	100	53	P	H
CH 110		5416.04	51	-23	74	39.32	31.46	10.22	30	332	248	P	V
5550MHz		5468.56	51.3	-16.9	68.2	39.42	31.6	10.27	29.99	332	248	P	V
		5444.12	41.43	-12.57	54	29.59	31.58	10.25	29.99	332	248	A	V
	*	5550	101.85	-	-	90.04	31.5	10.34	30.03	332	248	P	V
	*	5550	92	-	-	80.19	31.5	10.34	30.03	332	248	A	V
		5736.65	51.85	-16.35	68.2	39.71	31.77	10.53	30.16	332	248	P	V

		5431.9	51.11	-22.89	74	39.33	31.53	10.24	29.99	100	51	P	H
		5468.3	50.96	-17.24	68.2	39.08	31.6	10.27	29.99	100	51	P	H
		5455	41.23	-12.77	54	29.36	31.6	10.26	29.99	100	51	A	H
	*	5670	106.05	-	-	94	31.7	10.46	30.11	100	51	P	H
802.11ax	*	5670	96.43	-	-	84.38	31.7	10.46	30.11	100	51	A	H
HE40 Full		5727.2	54.74	-13.46	68.2	42.62	31.75	10.52	30.15	100	51	P	H
CH 134		5458.85	51	-23	74	39.13	31.6	10.26	29.99	301	252	P	V
5670MHz		5469.7	50.99	-17.21	68.2	39.11	31.6	10.27	29.99	301	252	P	V
		5458.5	41.18	-12.82	54	29.31	31.6	10.26	29.99	301	252	A	V
	*	5670	99.49	-	-	87.44	31.7	10.46	30.11	301	252	P	V
	*	5670	90.16	-	-	78.11	31.7	10.46	30.11	301	252	A	V
		5746.8	52.51	-15.69	68.2	40.35	31.79	10.54	30.17	301	252	P	V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		11020	48.98	-25.02	74	54.59	40.36	14.89	60.86	100	0	P	H
		16530	47.73	-20.47	68.2	49.73	38.87	17.7	58.57	100	0	P	H
		17988.9	59.21	-14.79	74	48.75	48.8	18.93	57.27	100	29	P	H
		17988.9	49.35	-4.65	54	38.89	48.8	18.93	57.27	100	29	A	H
802.11ax													H
HE40 Full													H
CH 102		11020	49.1	-24.9	74	54.71	40.36	14.89	60.86	100	0	P	V
5510MHz		16530	48.32	-19.88	68.2	50.32	38.87	17.7	58.57	100	0	P	V
		17988.9	59.52	-14.48	74	49.06	48.8	18.93	57.27	100	19	P	V
		17988.9	49.55	-4.45	54	39.09	48.8	18.93	57.27	100	19	A	V
													V
													V
		11100	48.41	-25.59	74	54.14	40.2	14.93	60.86	100	0	P	H
		16650	48.55	-19.65	68.2	50.1	39.25	17.8	58.6	100	0	P	H
		17988.9	58.43	-15.57	74	47.97	48.8	18.93	57.27	100	28	P	H
		17988.9	48.46	-5.54	54	38	48.8	18.93	57.27	100	28	A	H
802.11ax													H
HE40 Full													H
CH 110		11100	48.58	-25.42	74	54.31	40.2	14.93	60.86	100	0	P	V
5550MHz		16650	48.24	-19.96	68.2	49.79	39.25	17.8	58.6	100	0	P	V
		17988.9	58.33	-15.67	74	47.87	48.8	18.93	57.27	100	18	P	V
		17988.9	48.26	-5.74	54	37.8	48.8	18.93	57.27	100	18	A	V
													V
													V

		11340	47.99	-26.01	74	53.87	39.94	15.05	60.87	100	0	P	H
		17010	49.91	-18.29	68.2	49.89	40.6	18.11	58.69	100	0	P	H
		18000	59.23	-14.77	74	48.53	49	18.94	57.24	100	30	P	H
		18000	49.26	-4.74	54	38.56	49	18.94	57.24	100	30	A	H
802.11ax													H
HE40 Full													H
CH 134		11340	47.52	-26.48	74	53.4	39.94	15.05	60.87	100	0	P	V
5670MHz		17010	49.79	-18.41	68.2	49.77	40.6	18.11	58.69	100	0	P	V
		18000	58.98	-15.02	74	48.28	49	18.94	57.24	100	20	P	V
		18000	48.99	-5.01	54	38.29	49	18.94	57.24	100	20	A	V
													V
													V

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

Band 3 5470~5725MHz

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

WIFI Ant. 7+9	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)
		5459.68	59.01	-14.99	74	47.14	31.6	10.26	29.99	100	44	P	H
		5469.04	60.5	-7.7	68.2	48.62	31.6	10.27	29.99	100	44	P	H
		5458.96	49.5	-4.5	54	37.63	31.6	10.26	29.99	100	44	A	H
	*	5530	102.93	-	-	91.08	31.54	10.32	30.01	100	44	P	H
802.11ax	*	5530	93.53	-	-	81.68	31.54	10.32	30.01	100	44	A	H
HE80 Full		5755.55	51.03	-17.17	68.2	38.85	31.8	10.55	30.17	100	44	P	H
CH 106		5459.92	53.33	-20.67	74	41.46	31.6	10.26	29.99	321	249	P	V
5530MHz		5469.28	54.85	-13.35	68.2	42.97	31.6	10.27	29.99	321	249	P	V
		5459.68	45.25	-8.75	54	33.38	31.6	10.26	29.99	321	249	A	V
	*	5530	97.87	-	-	86.02	31.54	10.32	30.01	321	249	P	V
	*	5530	88.48	-	-	76.63	31.54	10.32	30.01	321	249	A	V
		5757.44	50.53	-17.67	68.2	38.36	31.8	10.55	30.18	321	249	P	V
		5444.8	51.99	-22.01	74	40.15	31.58	10.25	29.99	100	55	P	H
		5460.16	51.36	-16.84	68.2	39.49	31.6	10.26	29.99	100	55	P	H
		5456.8	42.93	-11.07	54	31.06	31.6	10.26	29.99	100	55	A	H
	*	5610	104.93	-	-	92.99	31.62	10.39	30.07	100	55	P	H
802.11ax	*	5610	95.65	-	-	83.71	31.62	10.39	30.07	100	55	A	H
HE80 Full		5734.13	51.9	-16.3	68.2	39.76	31.77	10.53	30.16	100	55	P	H
CH 122		5406.88	51.84	-22.16	74	40.19	31.43	10.22	30	328	250	P	V
5610MHz		5463.52	50.81	-17.39	68.2	38.94	31.6	10.26	29.99	328	250	P	V
		5454.64	42.05	-11.95	54	30.18	31.6	10.26	29.99	328	250	A	V
	*	5610	98.77	-	-	86.83	31.62	10.39	30.07	328	250	P	V
	*	5610	89.38	-	-	77.44	31.62	10.39	30.07	328	250	A	V
		5753.975	50.96	-17.24	68.2	38.78	31.8	10.55	30.17	328	250	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 7+9	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)
		11060	49.32	-24.68	74	54.99	40.28	14.91	60.86	100	0	P	H
		16590	48.33	-19.87	68.2	50.36	38.81	17.75	58.59	100	0	P	H
		18000	59.42	-14.58	74	48.72	49	18.94	57.24	100	31	P	H
		18000	49.41	-4.59	54	38.71	49	18.94	57.24	100	31	A	H
802.11ax													H
HE80 Full													H
CH 106		11060	50.12	-23.88	74	55.79	40.28	14.91	60.86	100	0	P	V
5530MHz		16590	49.19	-19.01	68.2	51.22	38.81	17.75	58.59	100	0	P	V
		17988.9	59.35	-14.65	74	48.89	48.8	18.93	57.27	100	21	P	V
		17988.9	49.31	-4.69	54	38.85	48.8	18.93	57.27	100	21	A	V
													V
													V
		11220	47.98	-26.02	74	54.03	39.82	14.99	60.86	100	0	P	H
		16830	50.04	-18.16	68.2	50.4	40.33	17.96	58.65	100	0	P	H
		17988.9	58.89	-15.11	74	48.43	48.8	18.93	57.27	100	27	P	H
		17988.9	48.93	-5.07	54	38.47	48.8	18.93	57.27	100	27	A	H
802.11ax													H
HE80 Full													H
CH 122		11220	47.55	-26.45	74	53.49	39.96	14.96	60.86	100	0	P	V
5610MHz		16830	49.82	-18.38	68.2	50.18	40.33	17.96	58.65	100	0	P	V
		18000	59.06	-14.94	74	48.36	49	18.94	57.24	100	17	P	V
		18000	49.09	-4.91	54	38.39	49	18.94	57.24	100	17	A	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 7+9	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)
		5441.44	59.49	-14.51	74	47.66	31.57	10.25	29.99	100	297	P	H
		5466.4	59.55	-8.65	68.2	47.67	31.6	10.27	29.99	100	297	P	H
		5458.48	49.32	-4.68	54	37.45	31.6	10.26	29.99	100	297	A	H
	*	5570	97	-	-	85.15	31.54	10.35	30.04	100	297	P	H
802.11ax	*	5570	87.94	-	-	76.09	31.54	10.35	30.04	100	297	A	H
HE160 Full		5732.555	54.55	-13.65	68.2	42.41	31.77	10.53	30.16	100	297	P	H
CH 114		5418.64	54.39	-19.61	74	42.68	31.47	10.23	29.99	366	231	P	V
5570MHz		5461.6	53.72	-14.48	68.2	41.85	31.6	10.26	29.99	366	231	P	V
		5447.68	44.47	-9.53	54	32.62	31.59	10.25	29.99	366	231	A	V
	*	5570	91.92	-	-	80.07	31.54	10.35	30.04	366	231	P	V
	*	5570	82.02	-	-	70.17	31.54	10.35	30.04	366	231	A	V
		5732.24	52.57	-15.63	68.2	40.44	31.76	10.53	30.16	366	231	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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.	
7+9		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5459.2	51.09	-22.91	74	39.22	31.6	10.26	29.99	100	49	P	H
		5461.54	50.14	-18.06	68.2	38.27	31.6	10.26	29.99	100	49	P	H
		5422.54	41.77	-12.23	54	30.04	31.49	10.23	29.99	100	49	A	H
	*	5720	111.46	-	-	99.36	31.74	10.51	30.15	100	49	P	H
	*	5720	104.01	-	-	91.91	31.74	10.51	30.15	100	49	A	H
		5921.25	51.48	-16.72	68.2	38.95	32.14	10.68	30.29	100	49	P	H
		5453.35	51.4	-22.6	74	39.53	31.6	10.26	29.99	311	245	P	V
		5467	51.09	-17.11	68.2	39.21	31.6	10.27	29.99	311	245	P	V
		5442.04	41.68	-12.32	54	29.85	31.57	10.25	29.99	311	245	A	V
	*	5720	104.96	-	-	92.86	31.74	10.51	30.15	311	245	P	V
	*	5720	97.93	-	-	85.83	31.74	10.51	30.15	311	245	A	V
		5907.75	52.2	-16	68.2	39.68	32.12	10.68	30.28	311	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 7+9	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 144 5720MHz		11440	47.64	-26.36	74	53.37	40.04	15.1	60.87	100	0	P	H
		17160	50.05	-18.15	68.2	49.7	40.72	18.23	58.6	100	0	P	H
		17988.9	59.34	-14.66	74	48.88	48.8	18.93	57.27	100	32	P	H
		17988.9	49.31	-4.69	54	38.85	48.8	18.93	57.27	100	32	A	H
													H
													H
		11440	47.76	-26.24	74	53.49	40.04	15.1	60.87	100	0	P	V
		17160	50.17	-18.03	68.2	49.82	40.72	18.23	58.6	100	0	P	V
		17988.9	59.99	-14.01	74	49.53	48.8	18.93	57.27	100	21	P	V
		17988.9	50.03	-3.97	54	39.57	48.8	18.93	57.27	100	21	A	V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 7+9	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5440.87	51.17	-22.83	74	39.36	31.56	10.24	29.99	100	296	P	H
		5466.22	50.74	-17.46	68.2	38.86	31.6	10.27	29.99	100	296	P	H
		5456.47	41.21	-12.79	54	29.34	31.6	10.26	29.99	100	296	A	H
	*	5710	107.66	-	-	95.58	31.72	10.5	30.14	100	296	P	H
	*	5710	97.84	-	-	85.76	31.72	10.5	30.14	100	296	A	H
		5934	52.18	-16.02	68.2	39.62	32.17	10.69	30.3	100	296	P	H
		5416.69	50.42	-23.58	74	38.72	31.47	10.22	29.99	365	222	P	V
		5463.1	49.57	-18.63	68.2	37.7	31.6	10.26	29.99	365	222	P	V
		5458.42	40.99	-13.01	54	29.12	31.6	10.26	29.99	365	222	A	V
	*	5710	103.8	-	-	91.72	31.72	10.5	30.14	365	222	P	V
	*	5710	93.5	-	-	81.42	31.72	10.5	30.14	365	222	A	V
		5944.75	52.26	-15.94	68.2	39.68	32.19	10.7	30.31	365	222	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

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

WIFI Ant. 7+9	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5396.8	51.01	-22.99	74	39.42	31.38	10.21	30	100	52	P	H
		5467	51.22	-16.98	68.2	39.34	31.6	10.27	29.99	100	52	P	H
		5447.11	41.92	-12.08	54	30.07	31.59	10.25	29.99	100	52	A	H
	*	5690	105.22	-	-	93.17	31.7	10.48	30.13	100	52	P	H
	*	5690	95.82	-	-	83.77	31.7	10.48	30.13	100	52	A	H
		5945.2	51.22	-16.98	68.2	38.64	32.19	10.7	30.31	100	52	P	H
		5441.26	50.13	-23.87	74	38.3	31.57	10.25	29.99	316	215	P	V
		5469.73	49.31	-18.89	68.2	37.43	31.6	10.27	29.99	316	215	P	V
		5459.98	41.39	-12.61	54	29.52	31.6	10.26	29.99	316	215	A	V
	*	5690	100.96	-	-	88.91	31.7	10.48	30.13	316	215	P	V
	*	5690	91.2	-	-	79.15	31.7	10.48	30.13	316	215	A	V
		5931.4	51.69	-16.51	68.2	39.14	32.16	10.69	30.3	316	215	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		21584	39.46	-28.74	68.2	58.94	38.47	-3.25	54.7	150	0	P	H
		36850	43.79	-24.41	68.2	60.15	42.92	-1.23	58.05	150	0	P	H
													H
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													H
													H
													H
													H
													H
													H
		20696	39.99	-34.01	74	59.99	38.26	-3.44	54.82	150	0	P	V
		35856	42.84	-25.36	68.2	58.27	44.45	-1.18	58.7	150	0	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant. 7+9	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full LF		30	21.34	-18.66	40	28.63	24.59	0.61	32.49	-	-	P	H
		99.84	29.19	-14.31	43.5	44.46	15.91	1.32	32.5	-	-	P	H
		187.14	22.61	-20.89	43.5	38.5	14.72	1.86	32.47	-	-	P	H
		294.81	26.75	-19.25	46	37.91	18.96	2.36	32.48	-	-	P	H
		319.06	25.85	-20.15	46	36.5	19.44	2.42	32.51	-	-	P	H
		953.44	32.61	-13.39	46	28.77	30.82	4.28	31.26	100	0	P	H
													H
													H
													H
													H
													H
													H
		52.31	30.71	-9.29	40	49.03	13.33	0.93	32.58	100	0	P	V
		96.93	24.8	-18.7	43.5	40.44	15.55	1.3	32.49	-	-	P	V
		167.74	20.83	-22.67	43.5	35.71	15.8	1.81	32.49	-	-	P	V
		296.75	23.31	-22.69	46	34.41	19.02	2.36	32.48	-	-	P	V
		457.77	24.79	-21.21	46	31.09	23.28	2.86	32.44	-	-	P	V
		954.41	32.18	-13.82	46	28.3	30.85	4.28	31.25	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

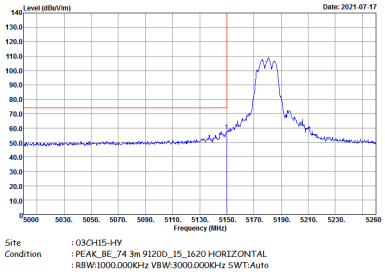
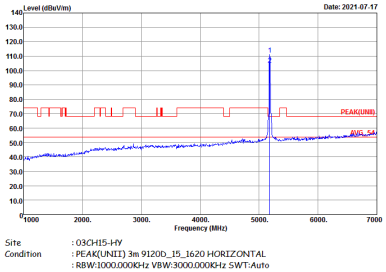
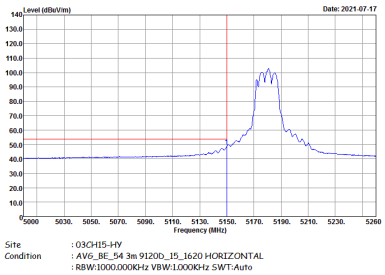
Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	23.2~24.6°C
		Relative Humidity :	42~56%

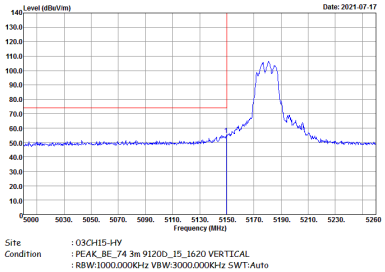
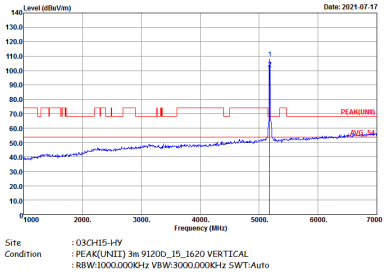
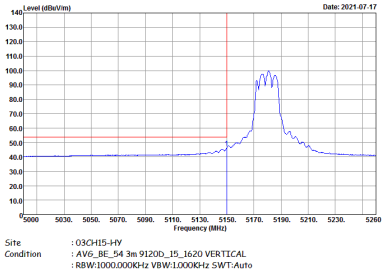
Note symbol

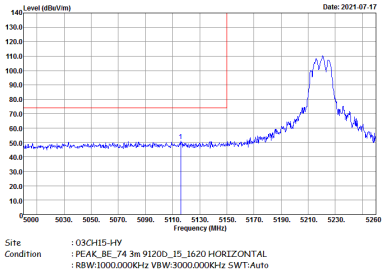
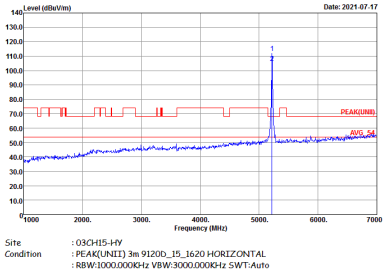
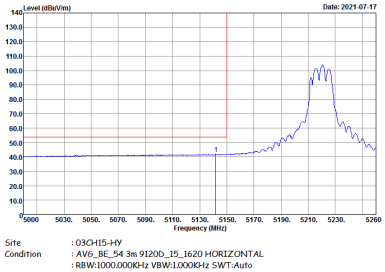
-L	**Low channel location**
-R	**High channel location**

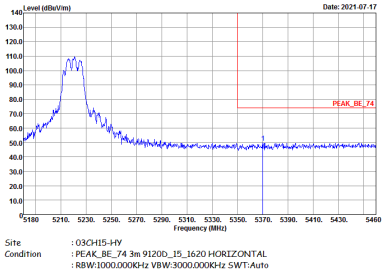
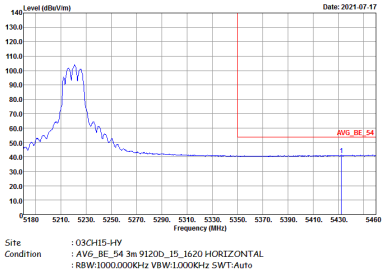
Band 1 - 5150~5250MHz

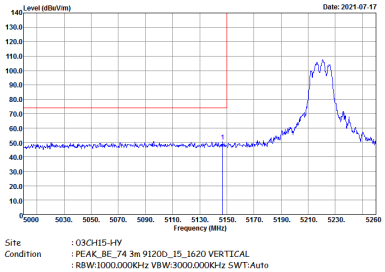
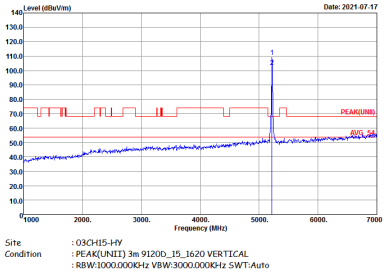
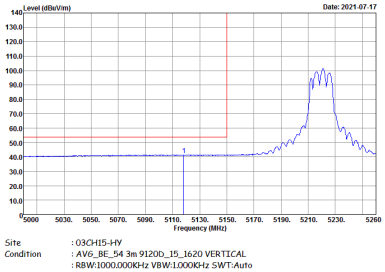
WIFI 802.11a (Band Edge @ 3m)

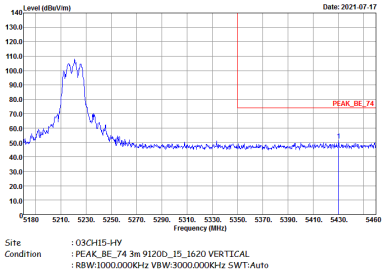
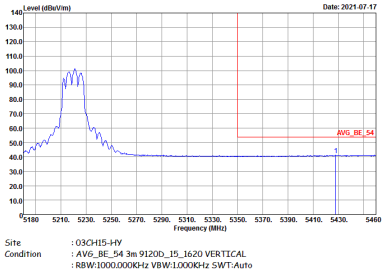
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

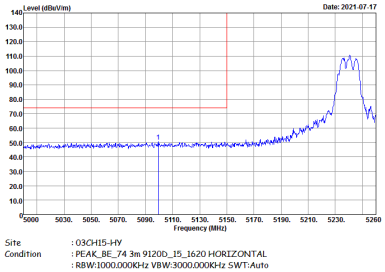
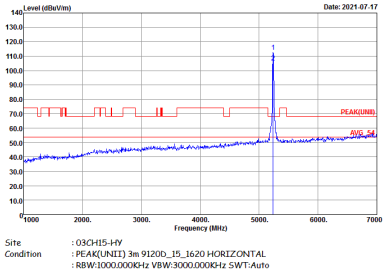
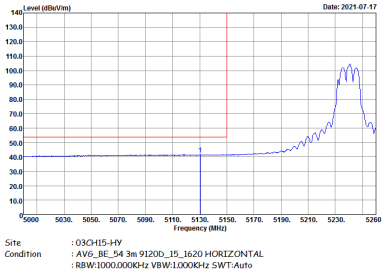
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

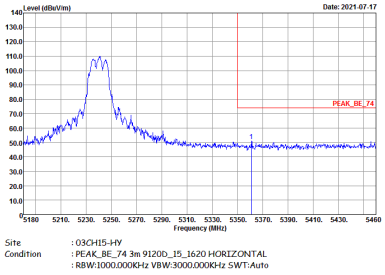
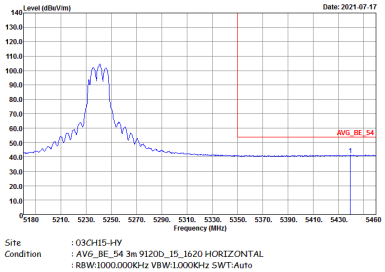
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

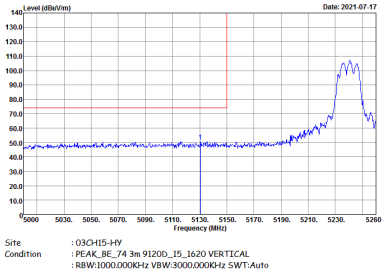
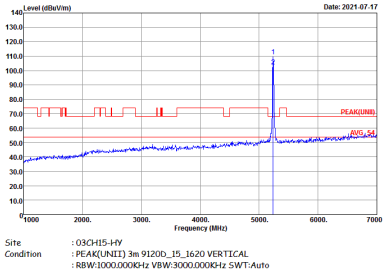
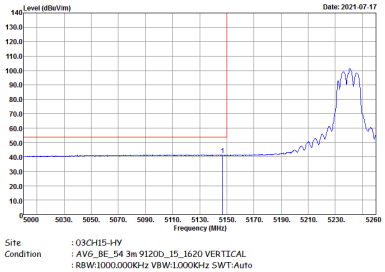
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

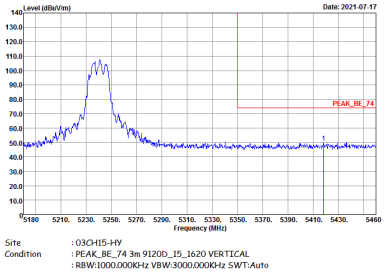
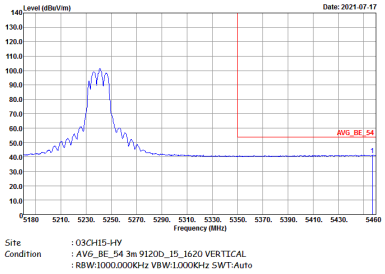
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

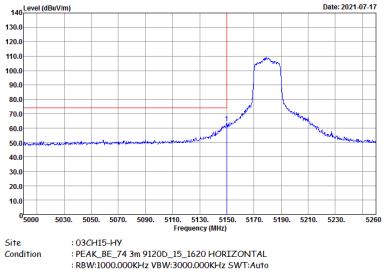
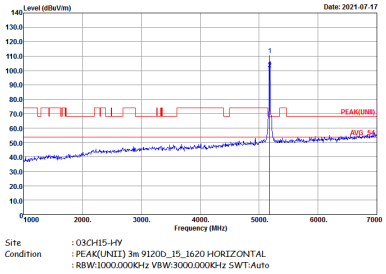
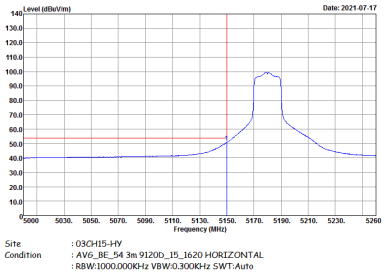
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

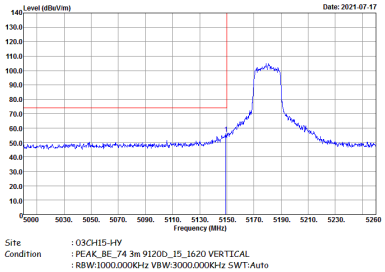
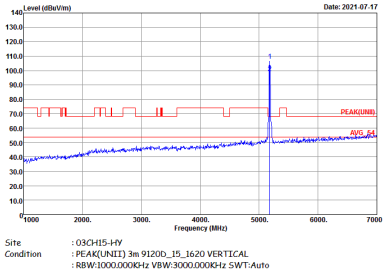
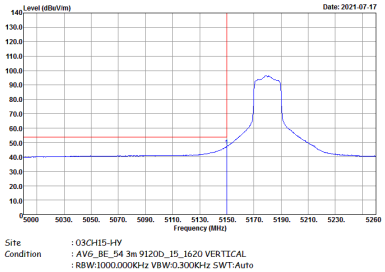
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

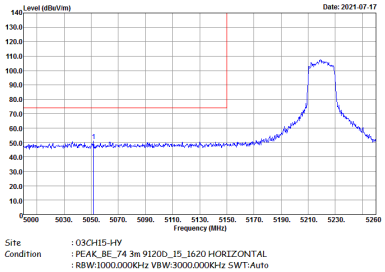
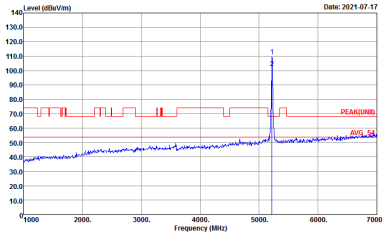
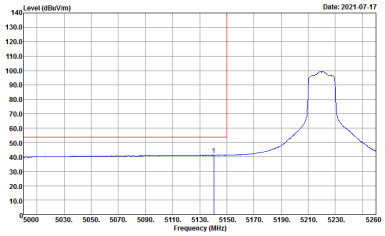
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

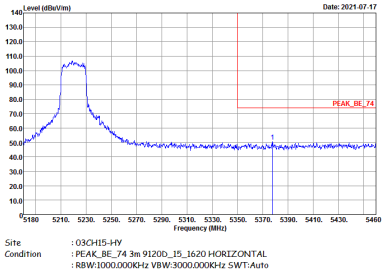
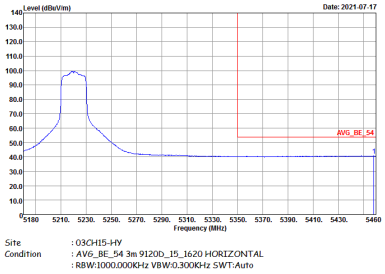
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

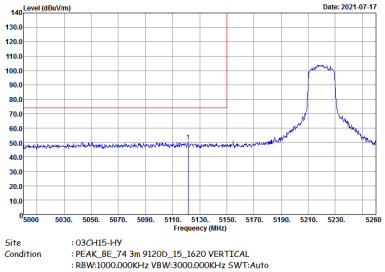
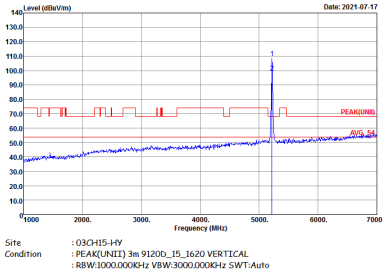
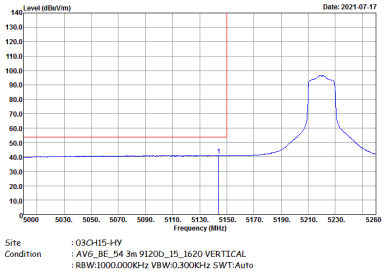
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

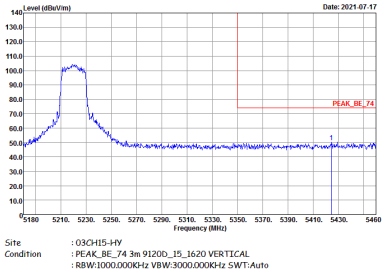
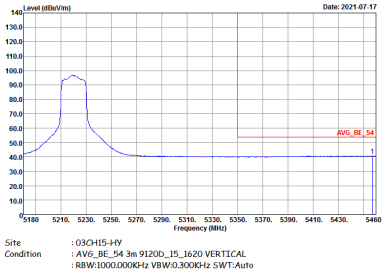
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

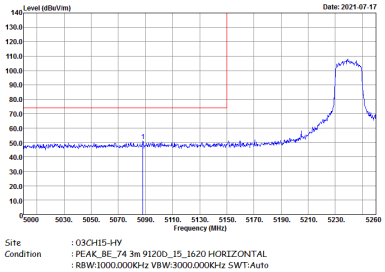
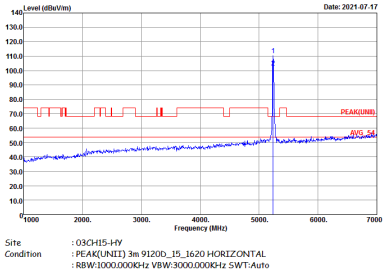
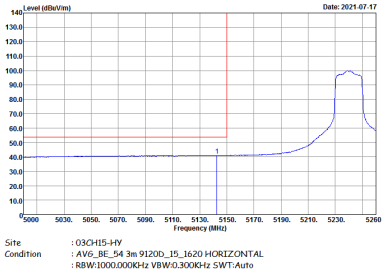
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

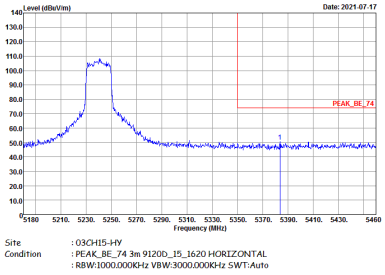
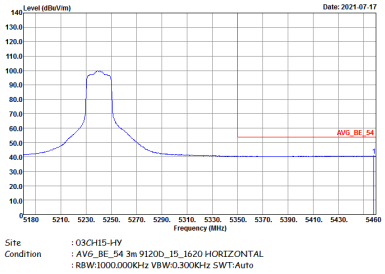
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

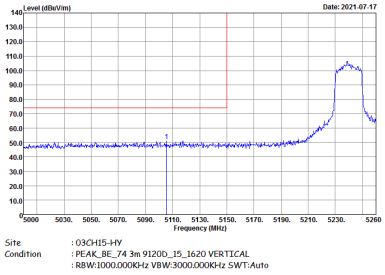
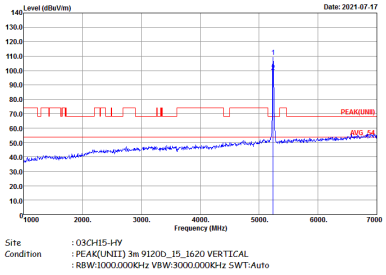
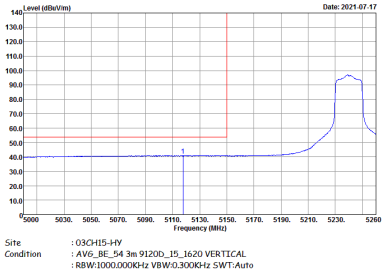
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

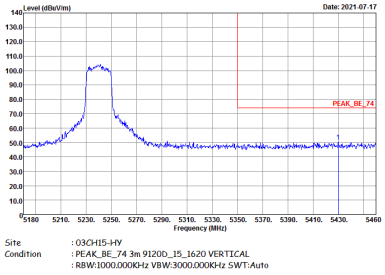
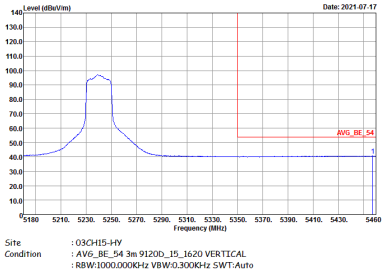
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

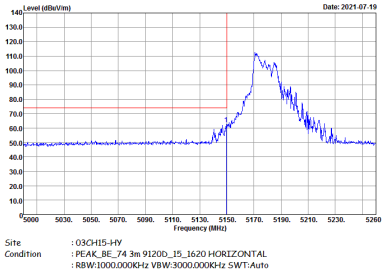
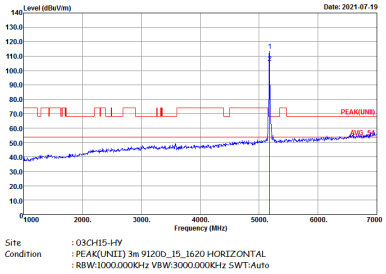
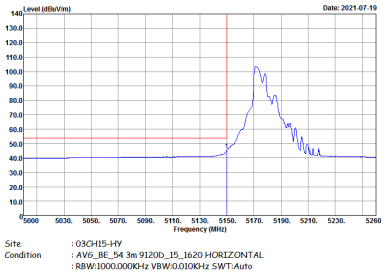
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

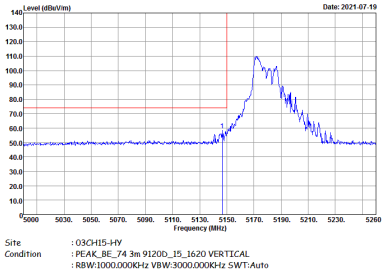
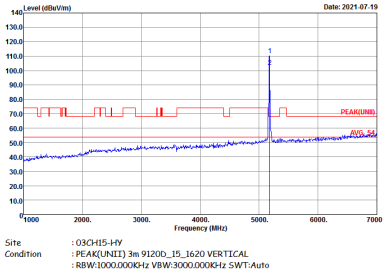
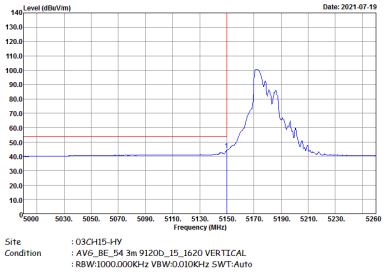
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

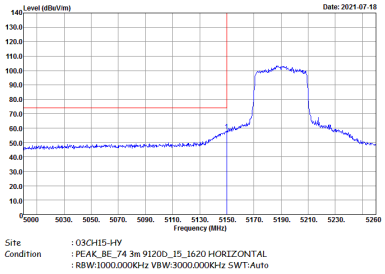
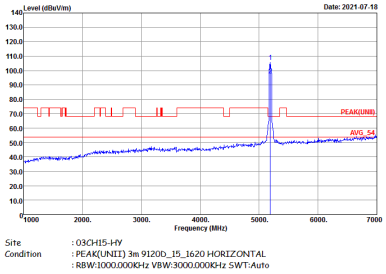
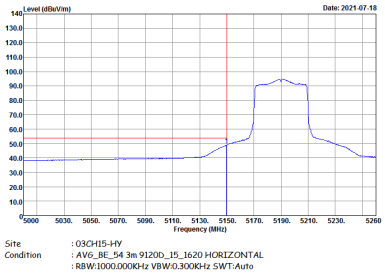
Band 1 5150~5250MHz

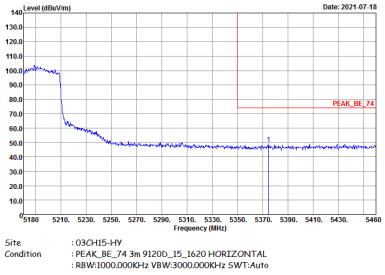
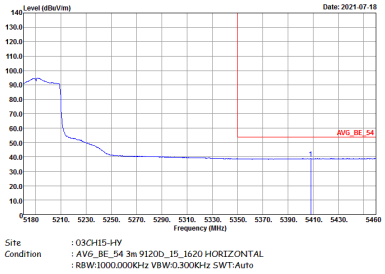
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

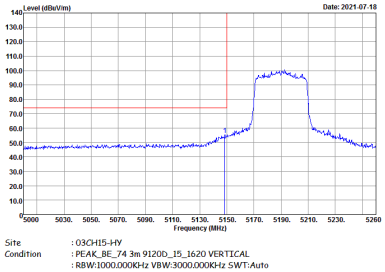
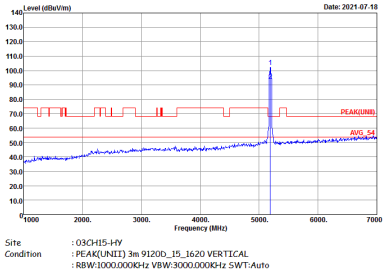
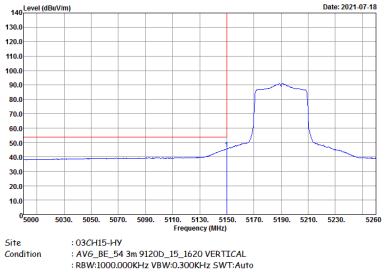
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

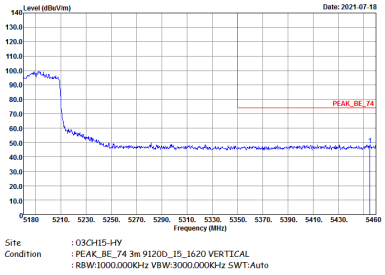
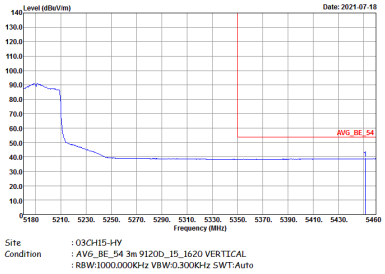
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

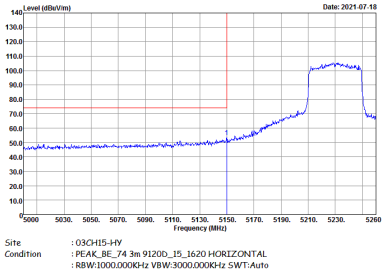
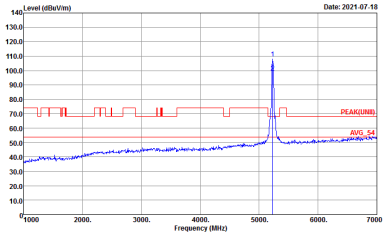
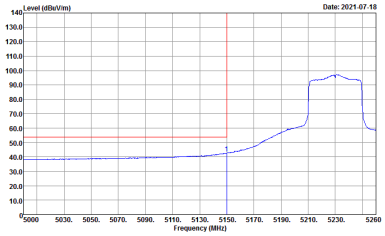
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

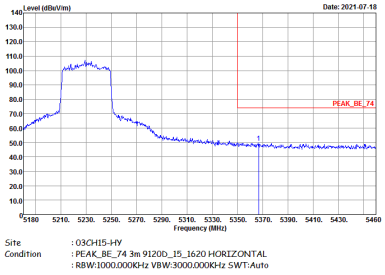
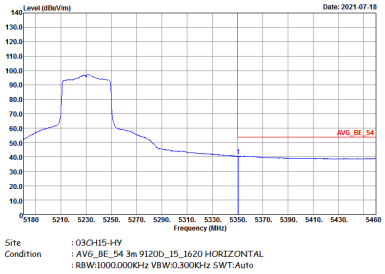
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

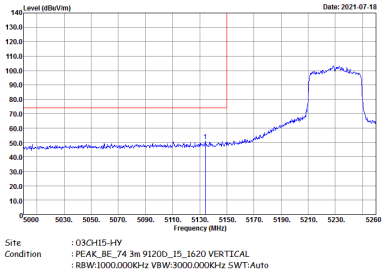
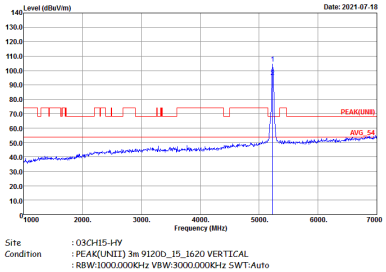
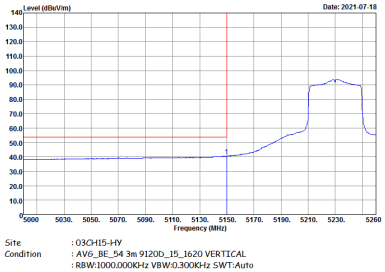
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

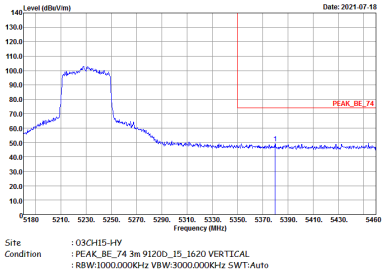
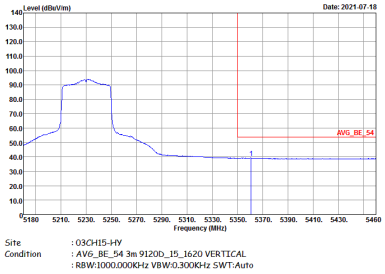
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
7+9	Vertical	Fundamental
Peak		
cAvg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

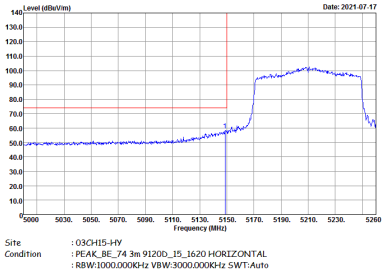
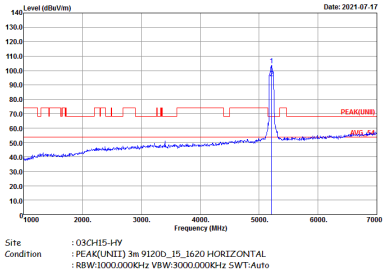
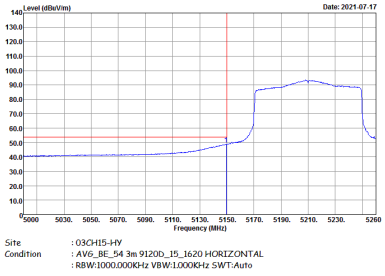
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

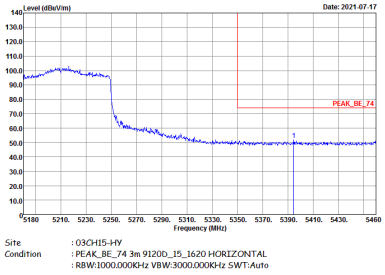
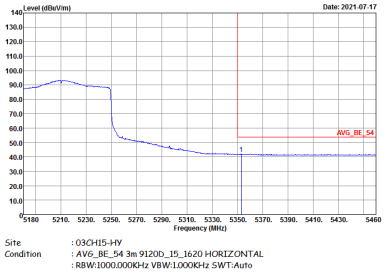
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

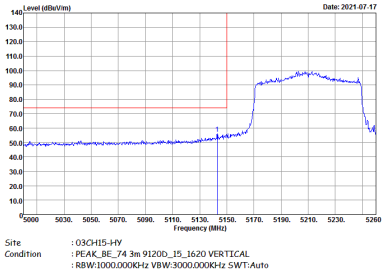
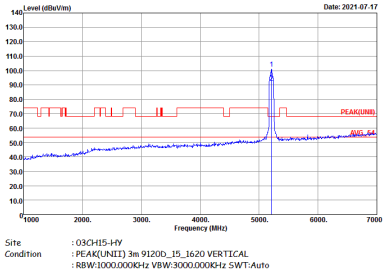
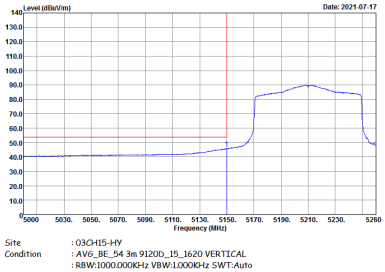
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

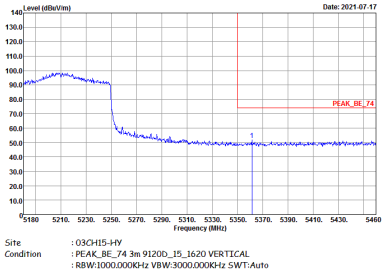
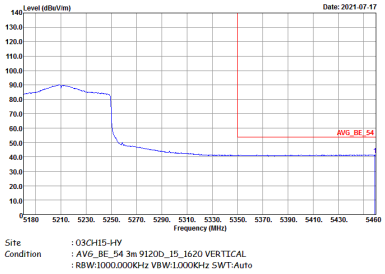
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

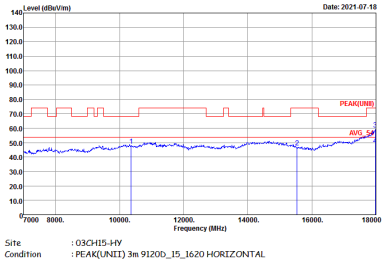
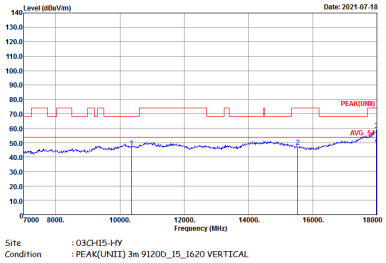
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

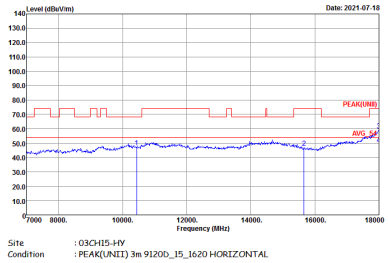
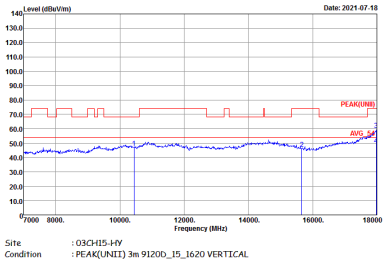
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

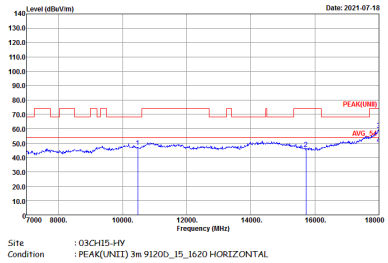
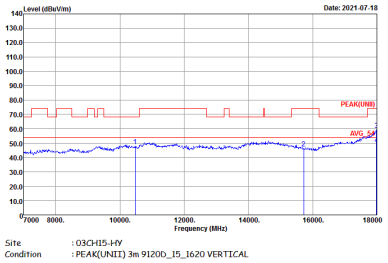
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

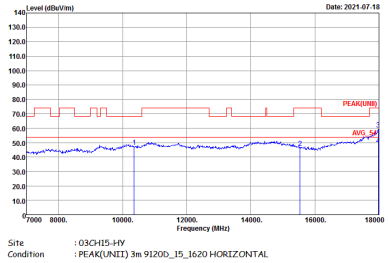
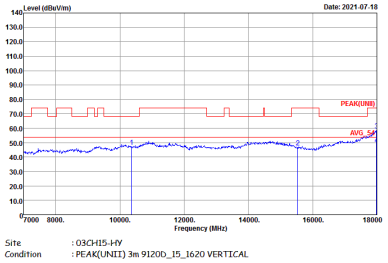
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
7+9	Horizontal	Vertical
Peak Avg.		

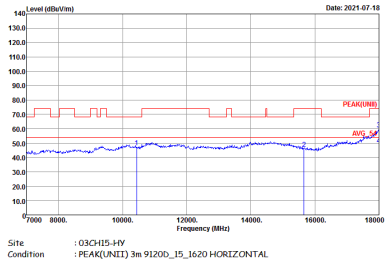
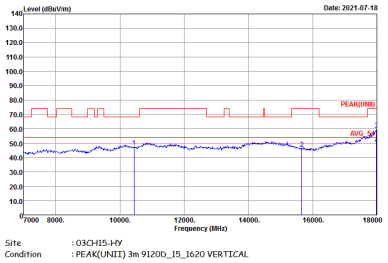
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
7+9	Horizontal	Vertical
Peak Avg.		

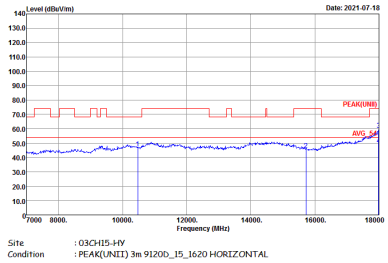
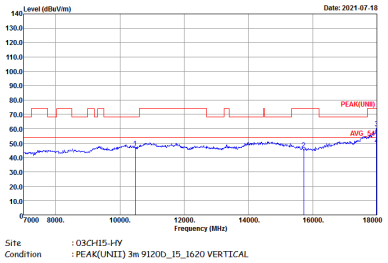
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
7+9	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

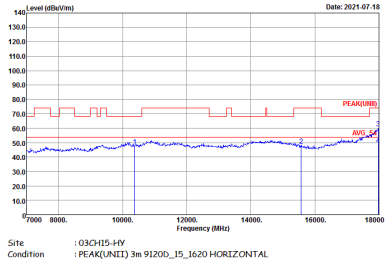
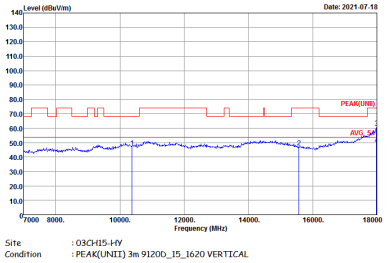
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
7+9	Horizontal	Vertical
Peak Avg.		

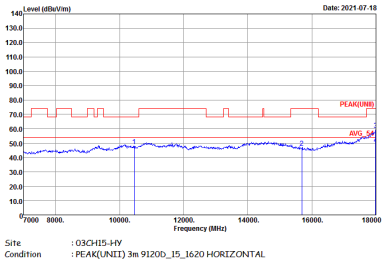
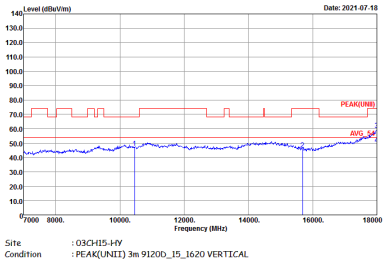
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
7+9	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
7+9	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

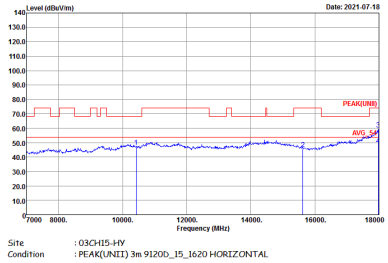
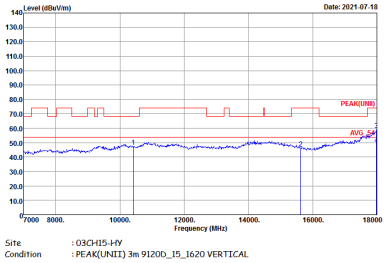
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
7+9	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
7+9	Horizontal	Vertical
Peak Avg.		

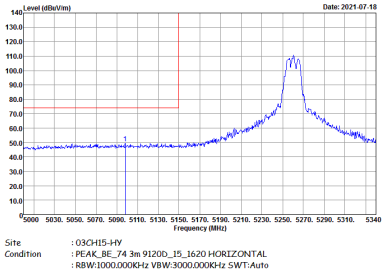
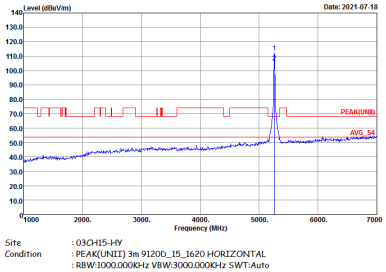
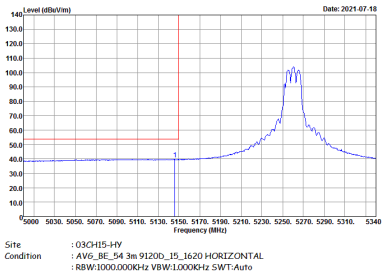
Band 1 5150~5250MHz

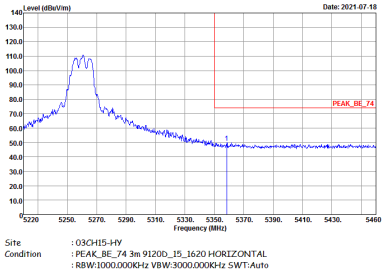
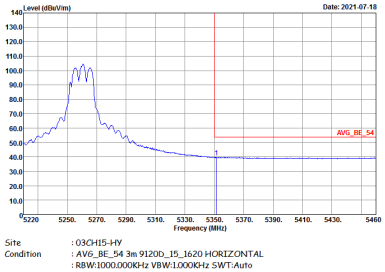
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

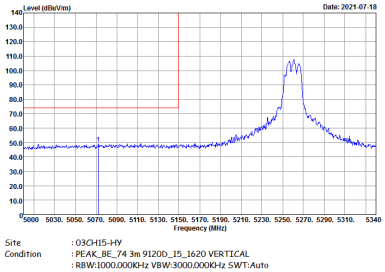
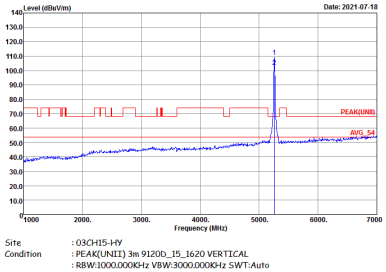
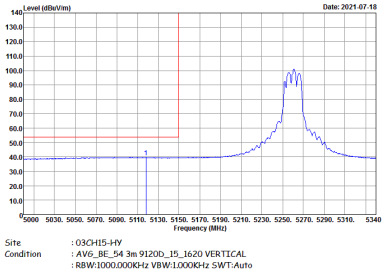
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
7+9	Horizontal	Vertical
Peak Avg.		

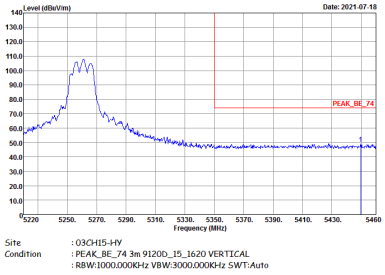
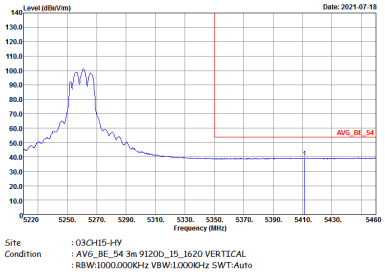
Band 2 - 5250~5350MHz

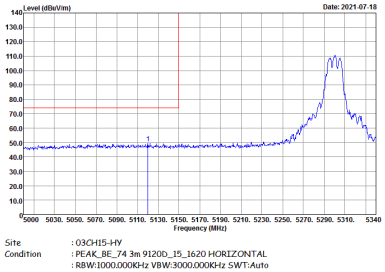
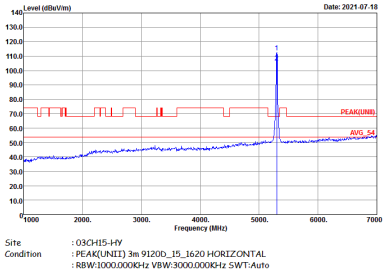
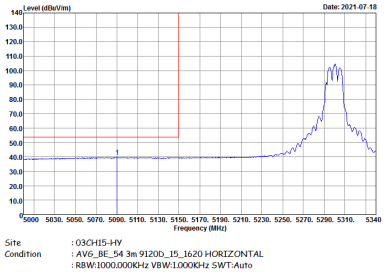
WIFI 802.11a (Band Edge @ 3m)

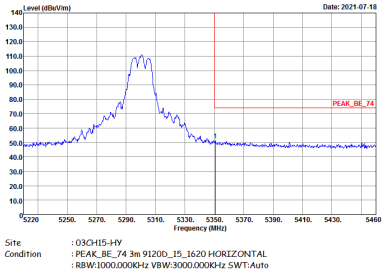
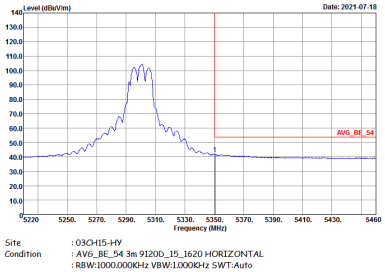
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

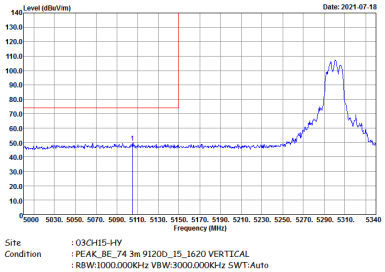
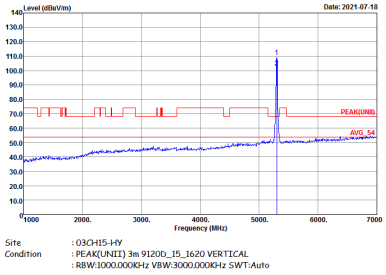
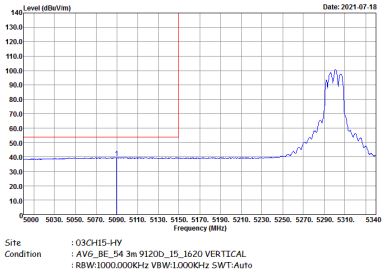
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

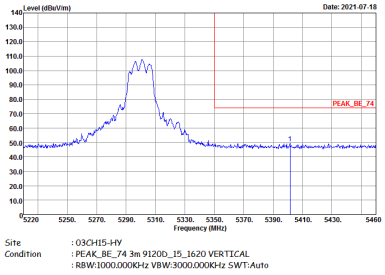
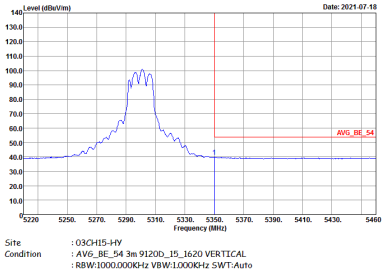
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

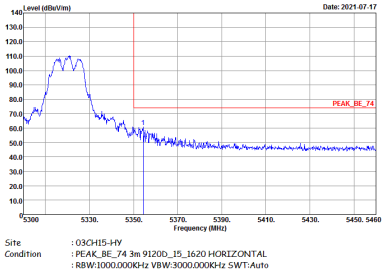
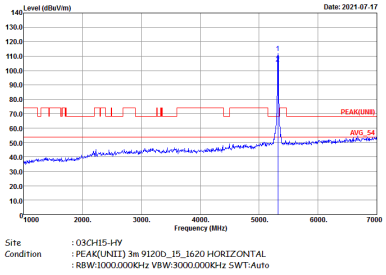
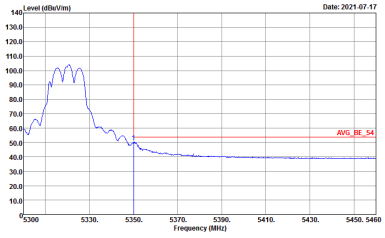
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

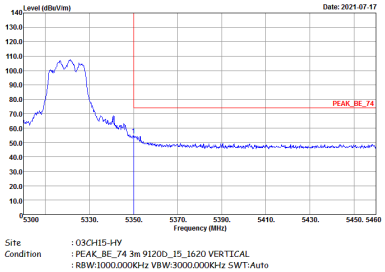
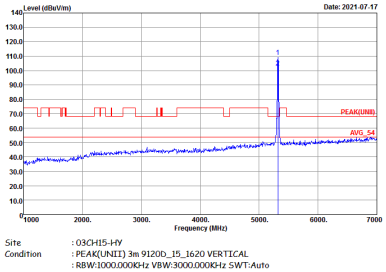
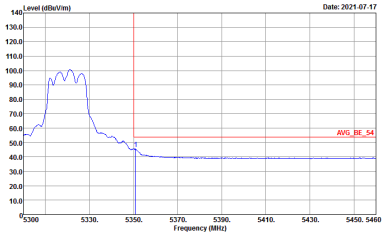
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

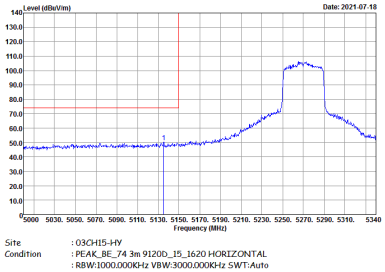
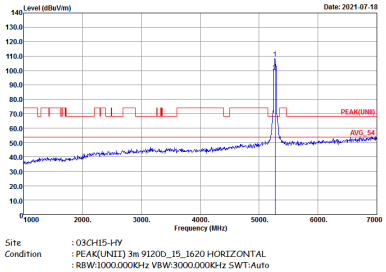
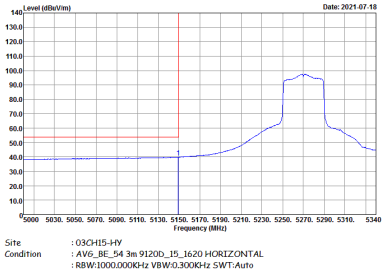
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

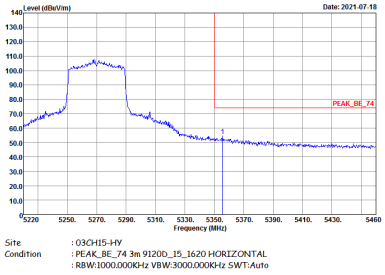
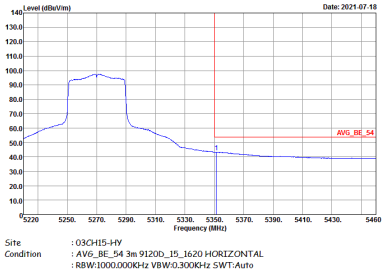
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

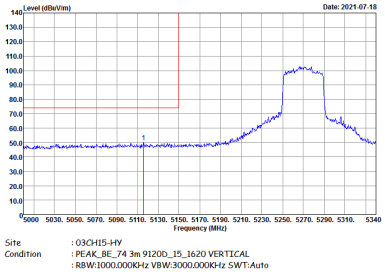
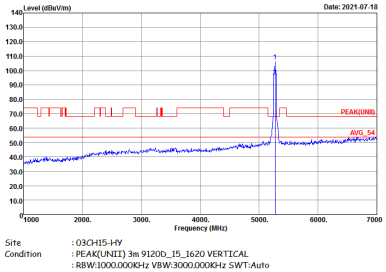
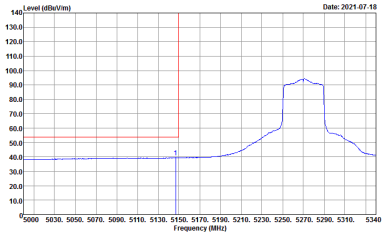
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

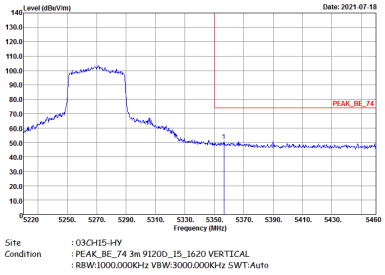
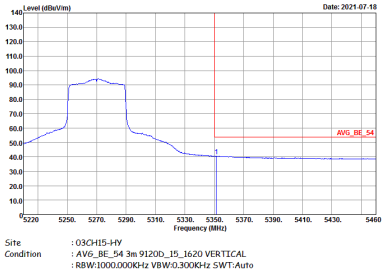
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
7+9	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

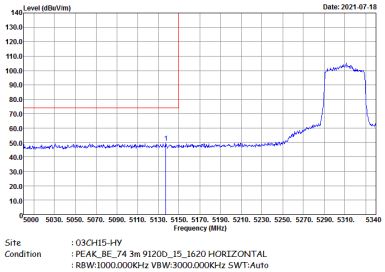
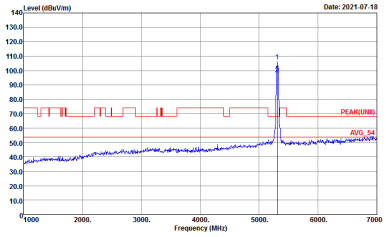
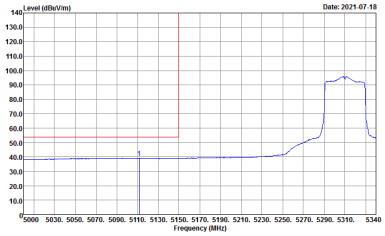
Band 2 5250~5350MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

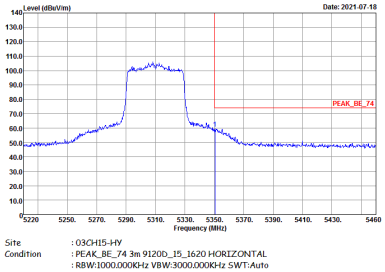
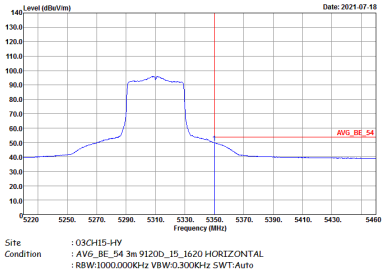
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

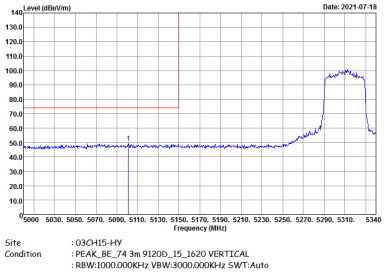
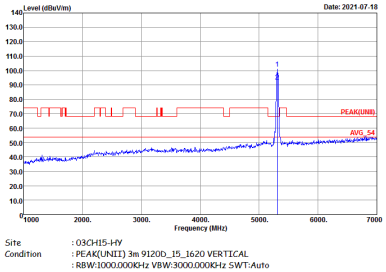
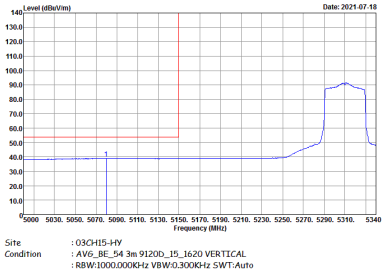
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

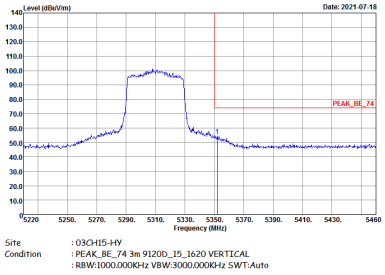
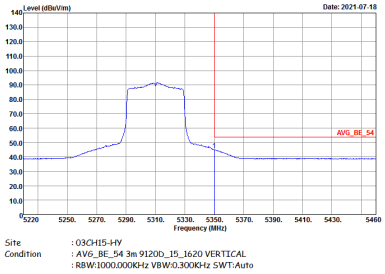
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
7+9	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

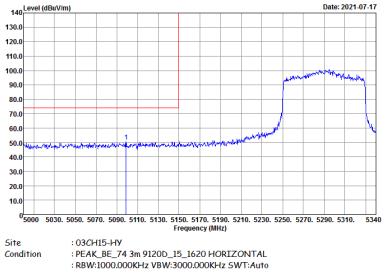
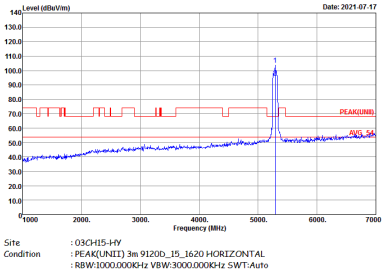
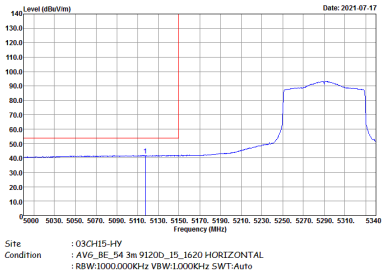
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

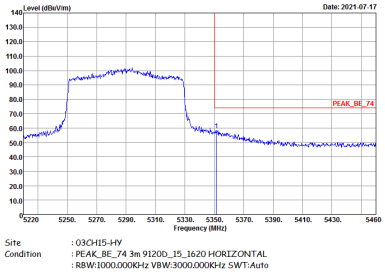
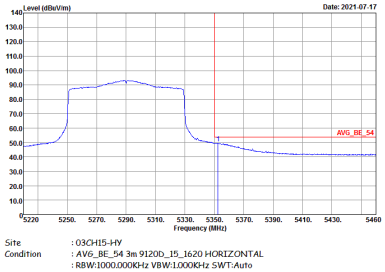
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

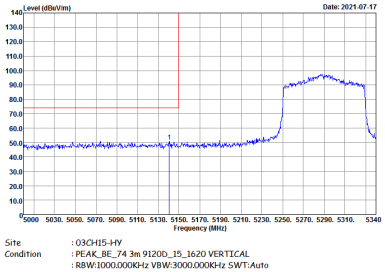
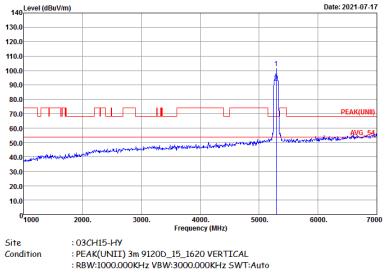
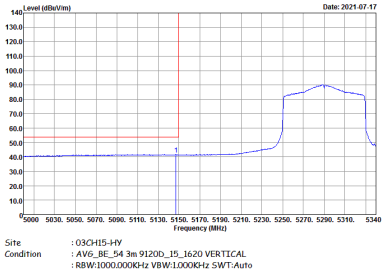
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

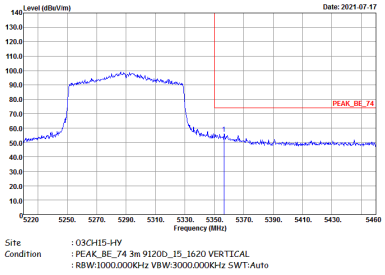
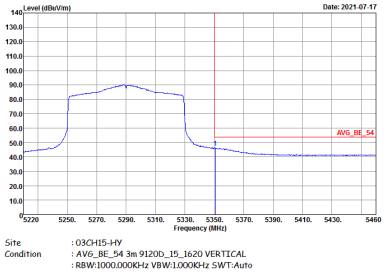
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

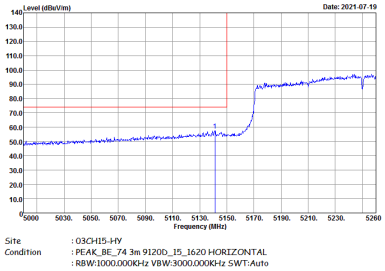
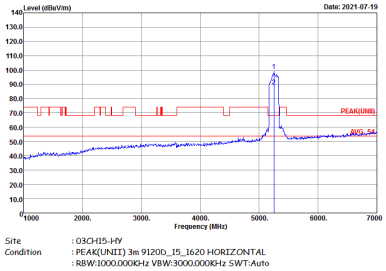
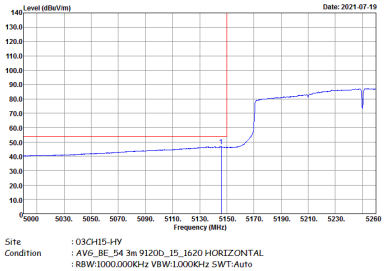
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

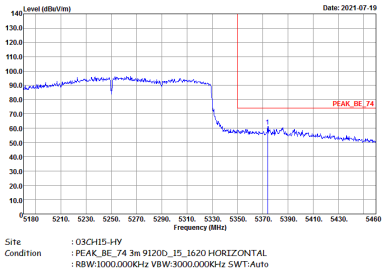
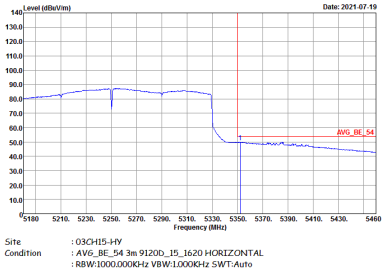
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

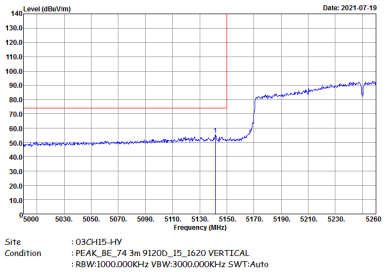
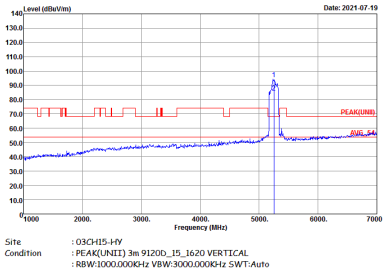
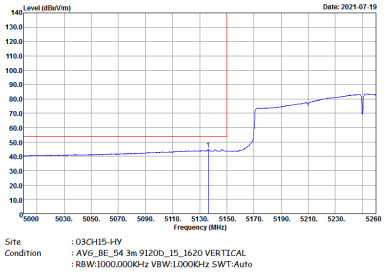
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

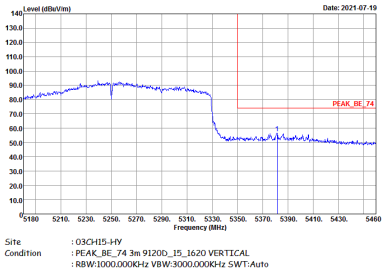
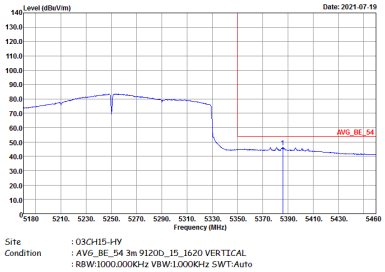
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

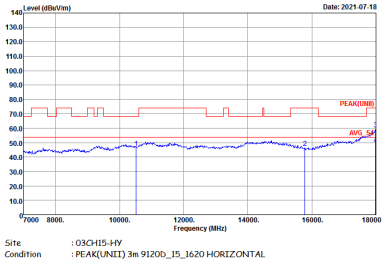
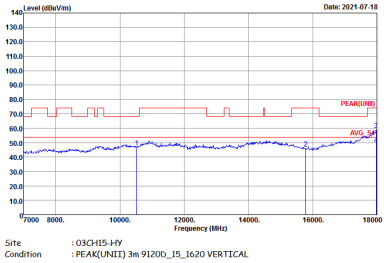
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

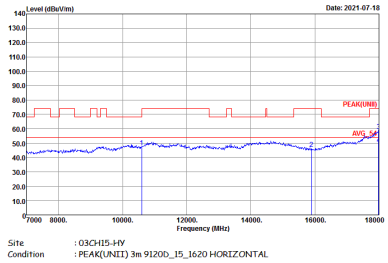
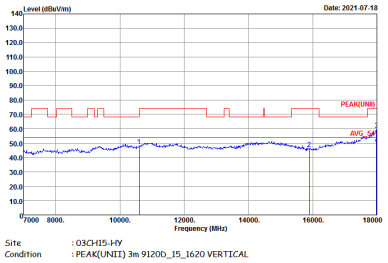
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

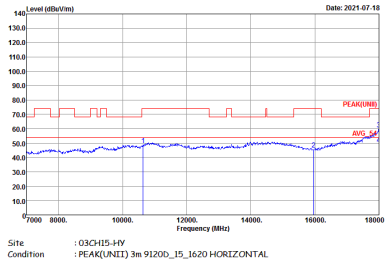
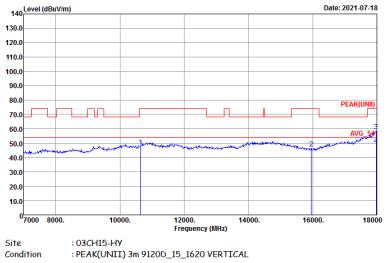
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

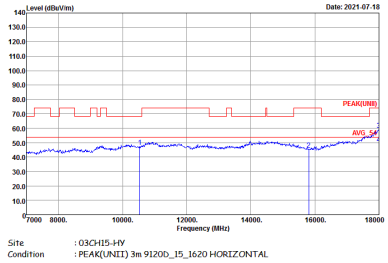
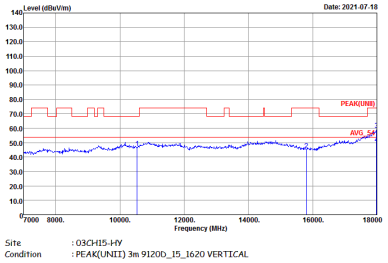
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
7+9	Horizontal	Vertical
Peak Avg.		

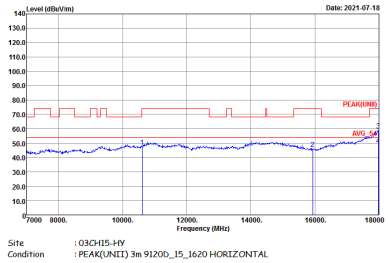
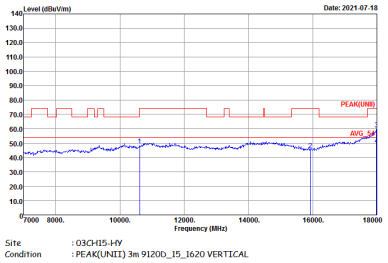
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
7+9	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
7+9	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

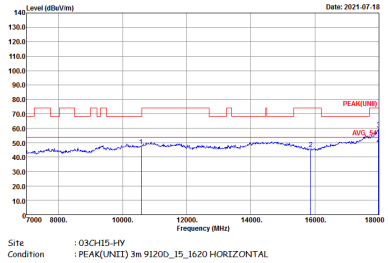
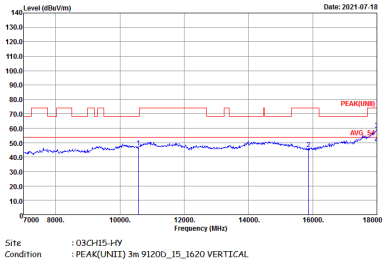
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH54 5270	
7+9	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310	
7+9	Horizontal	Vertical
Peak Avg.		

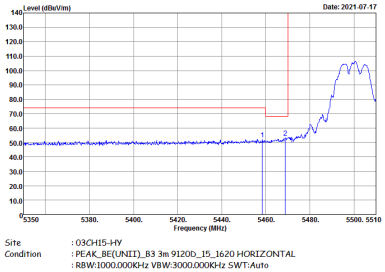
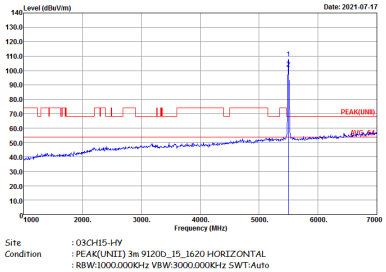
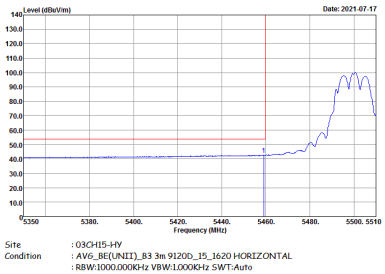
Band 2 5250~5350MHz

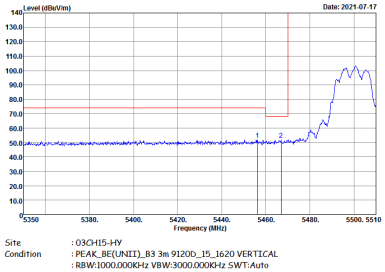
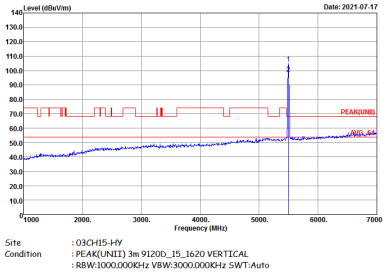
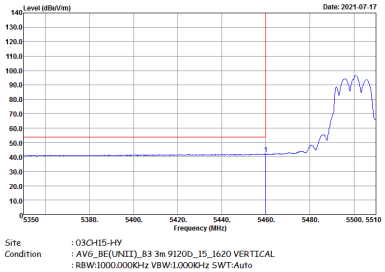
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

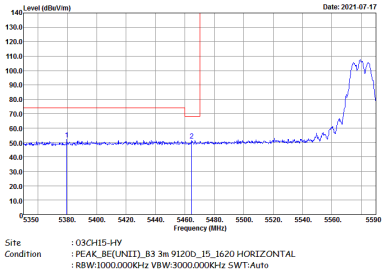
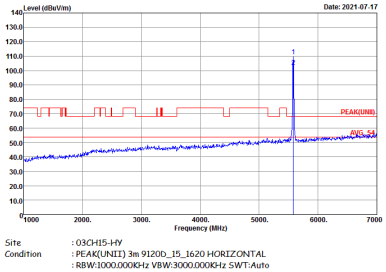
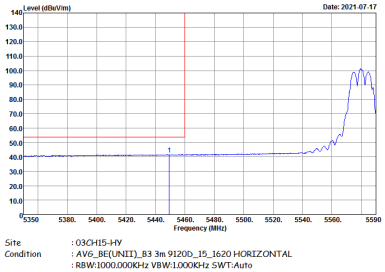
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
7+9	Horizontal	Vertical
Peak Avg.		

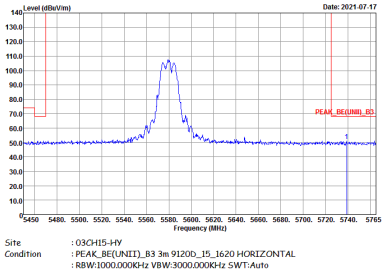
Band 3 - 5470~5725MHz

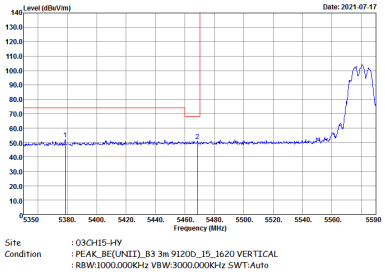
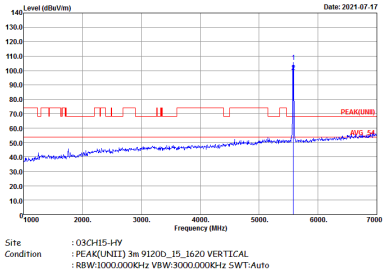
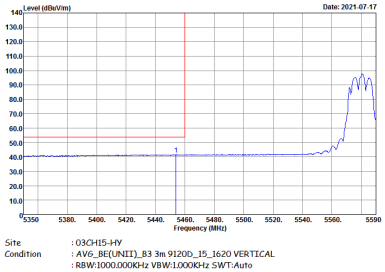
WIFI 802.11a (Band Edge @ 3m)

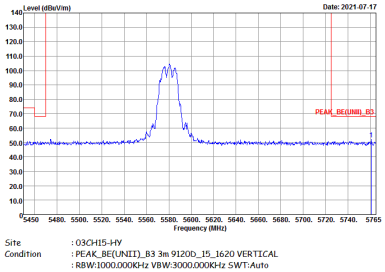
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

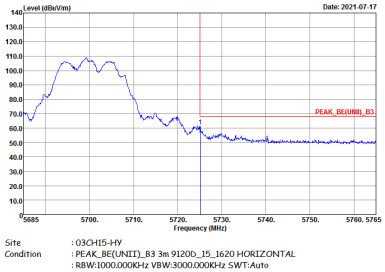
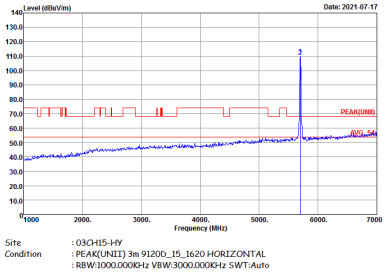
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

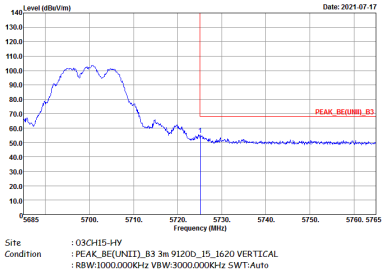
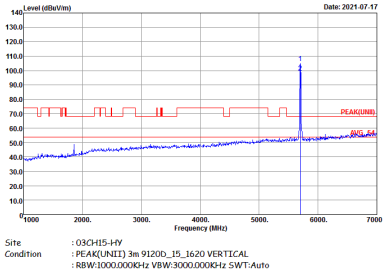
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

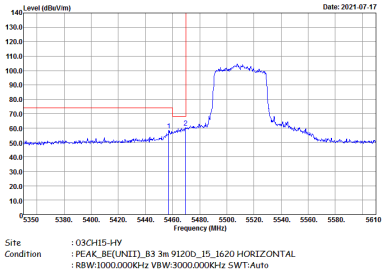
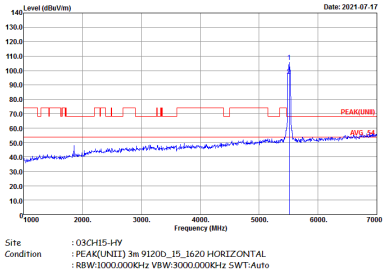
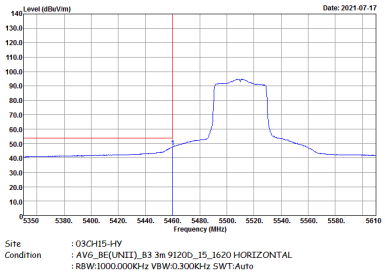
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

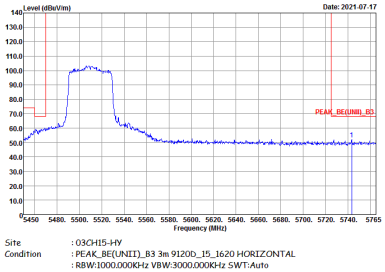
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

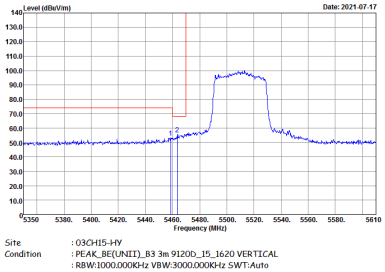
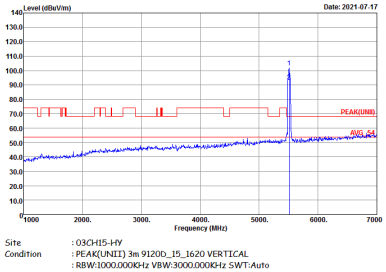
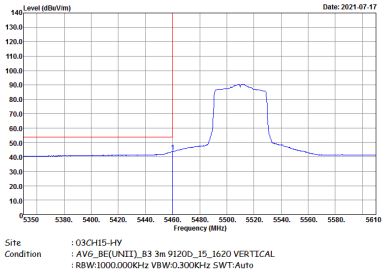
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
7+9	Horizontal	Fundamental
Peak		

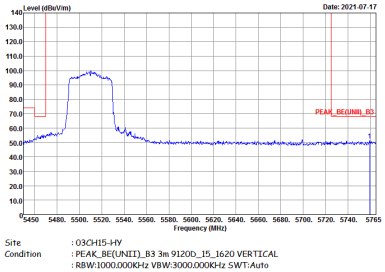
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
7+9	Vertical	Fundamental
Peak		

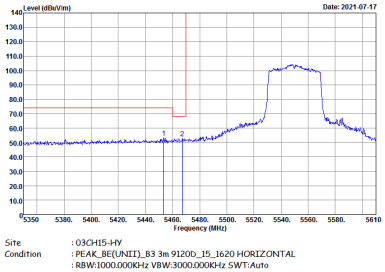
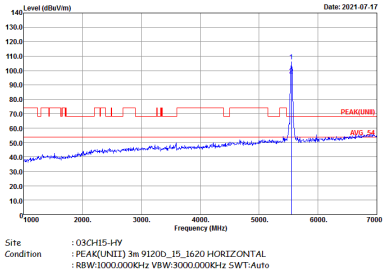
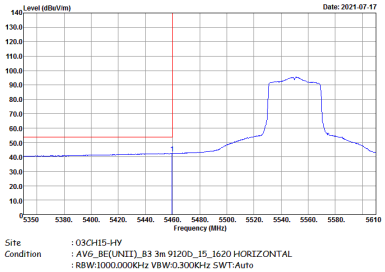
Band 3 5470~5725MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

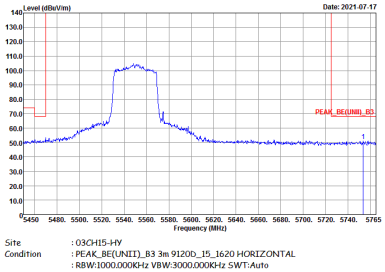
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

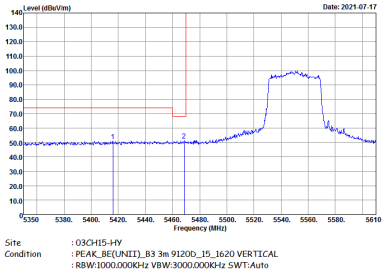
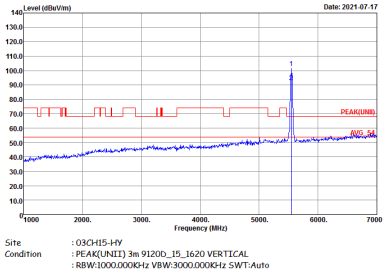
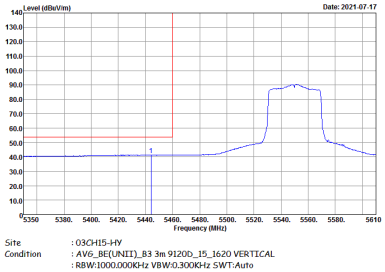
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

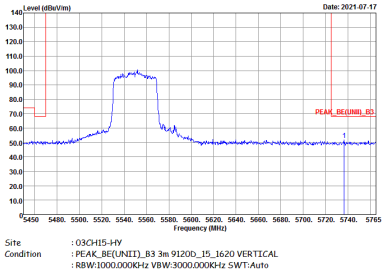
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

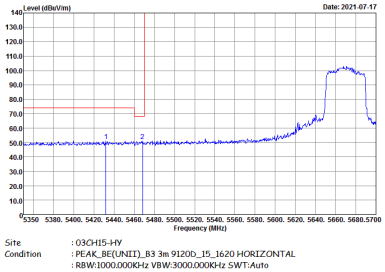
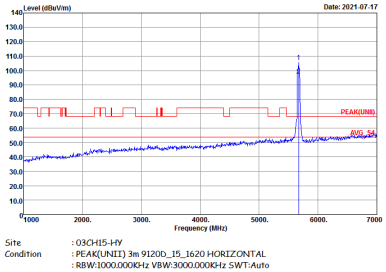
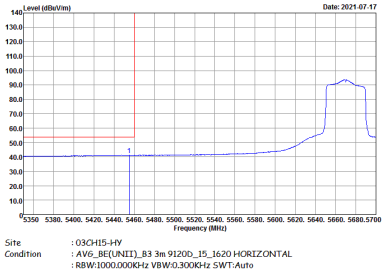
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

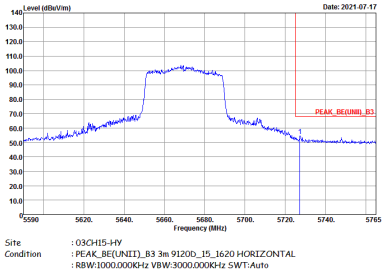
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH110 5550MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

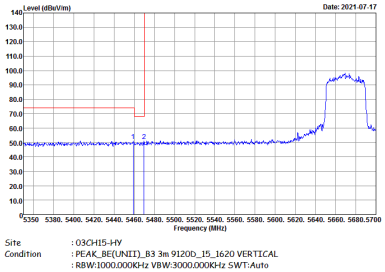
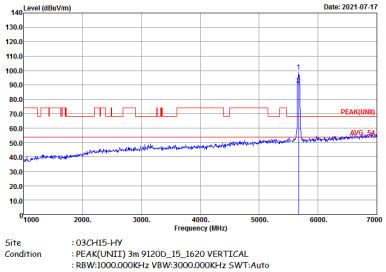
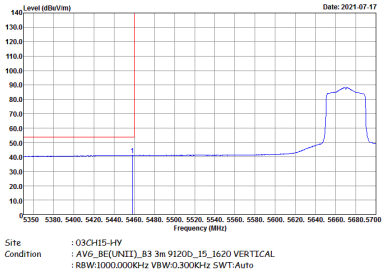
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH110 5550MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

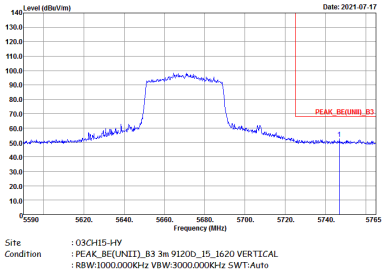
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH110 5550MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH110 5550MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

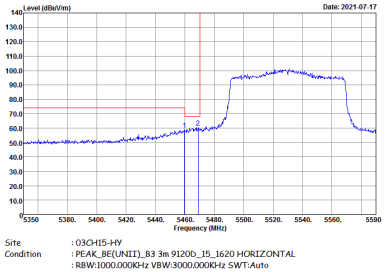
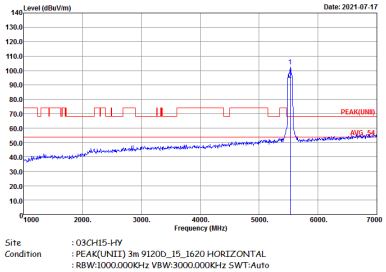
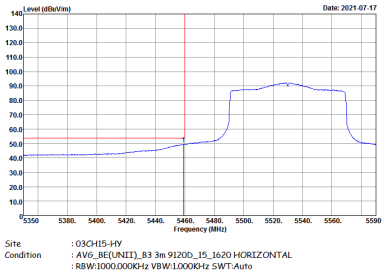
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

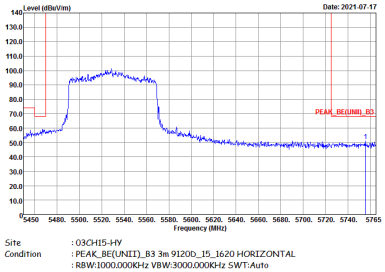
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

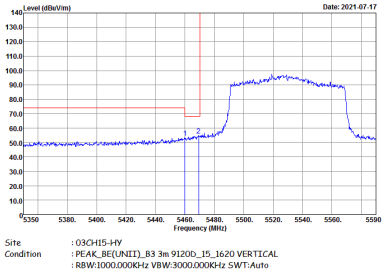
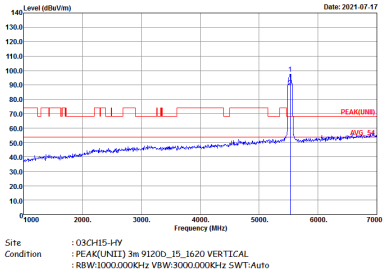
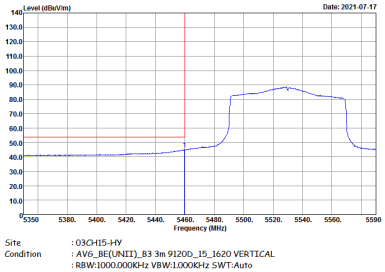
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

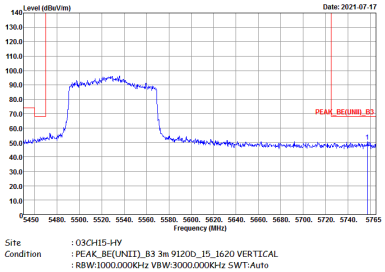
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

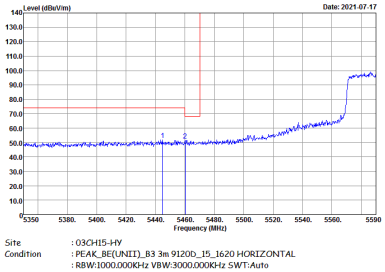
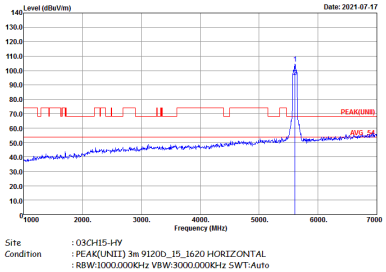
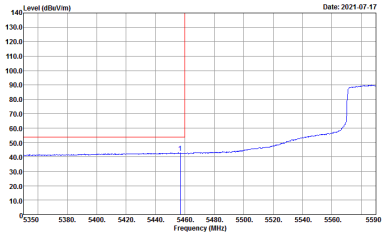
Band 3 5470~5725MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

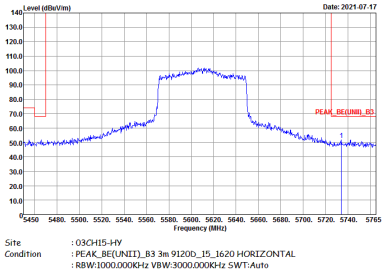
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

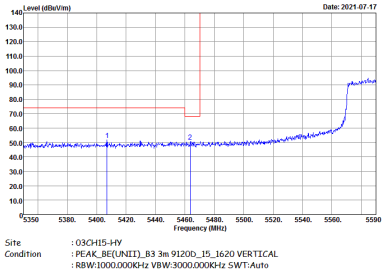
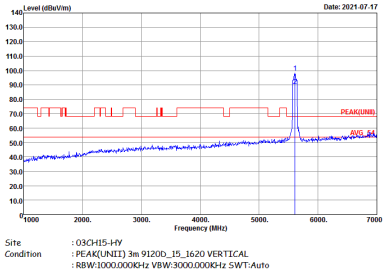
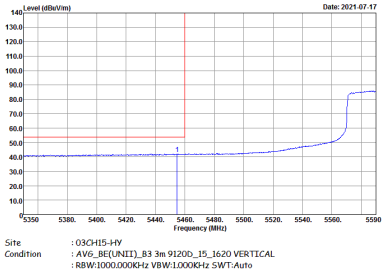
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

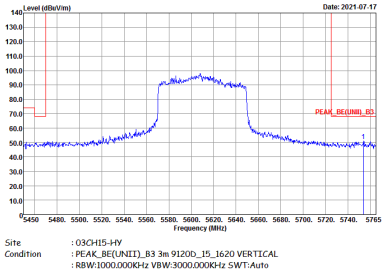
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

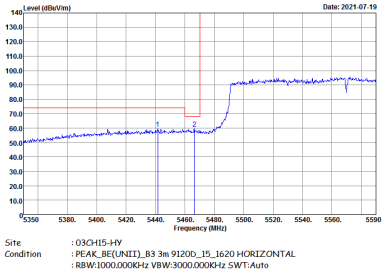
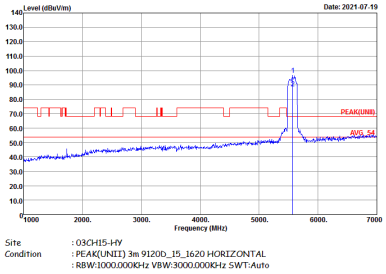
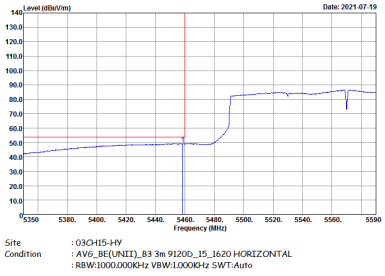
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH122 5610MHz - L	
7+9	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

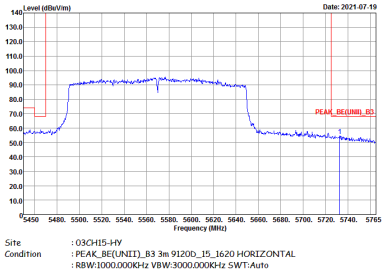
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH122 5610MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

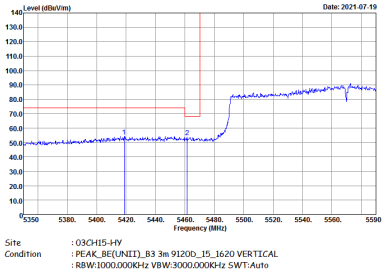
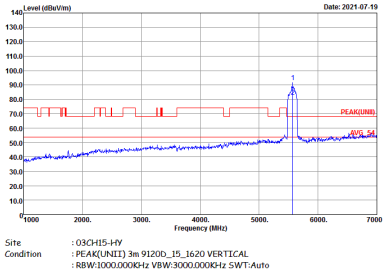
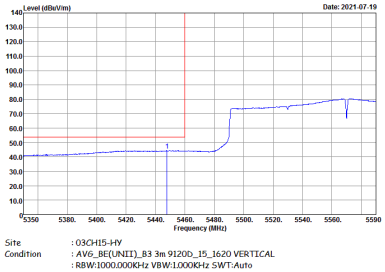
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH122 5610MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

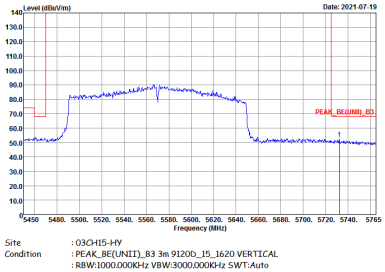
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH122 5610MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

Band 3 5470~5725MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH114 5570MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

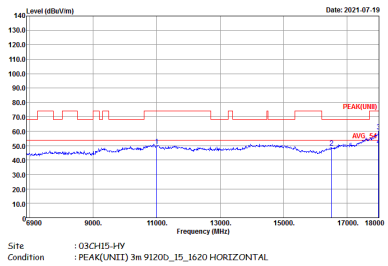
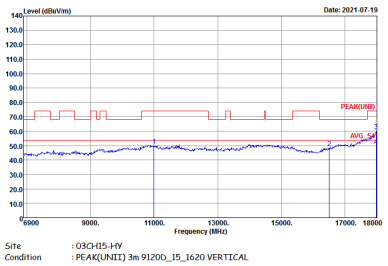
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH114 5570MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

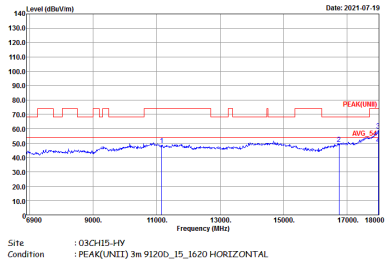
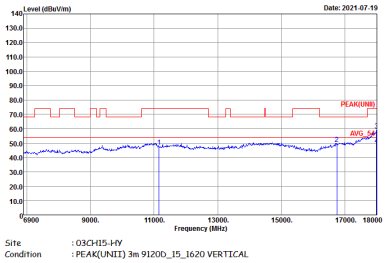
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH114 5570MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

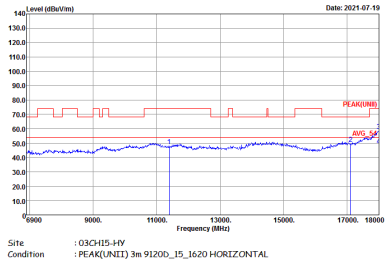
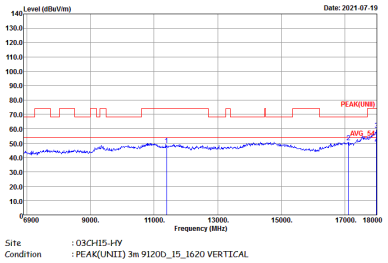
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH114 5570MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

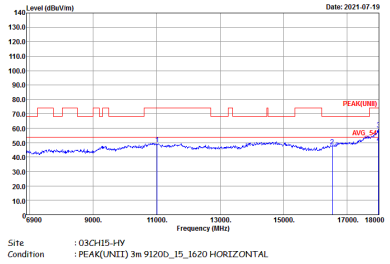
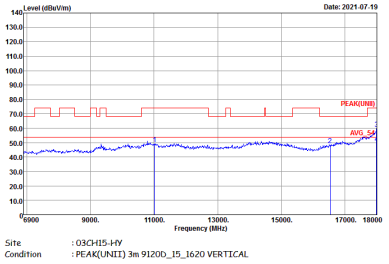
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
7+9	Horizontal	Vertical
Peak Avg.		

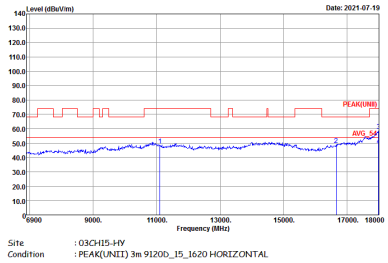
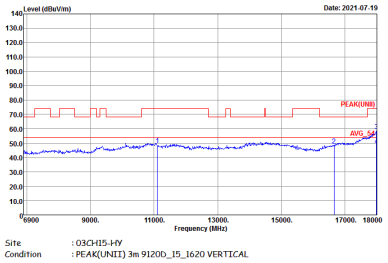
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
7+9	Horizontal	Vertical
Peak Avg.		

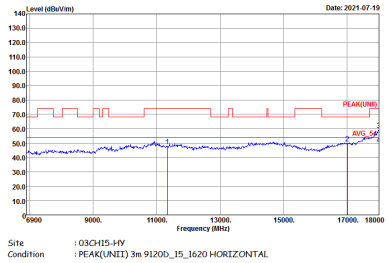
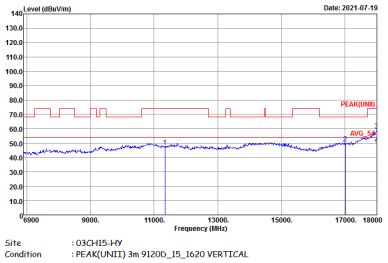
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
7+9	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

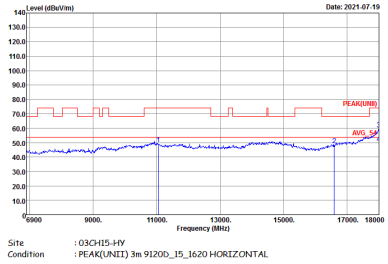
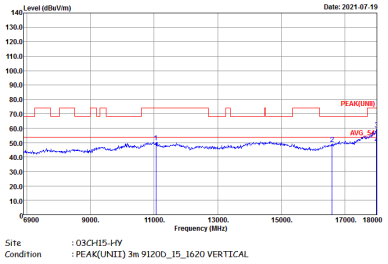
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz	
7+9	Horizontal	Vertical
Peak Avg.		

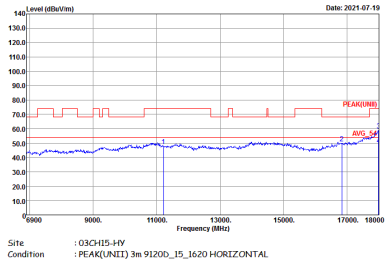
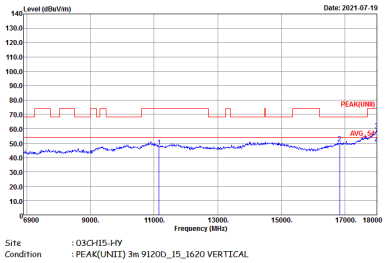
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH110 5550MHz	
7+9	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz	
7+9	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

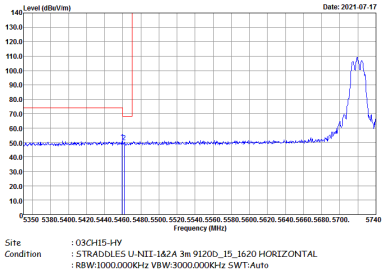
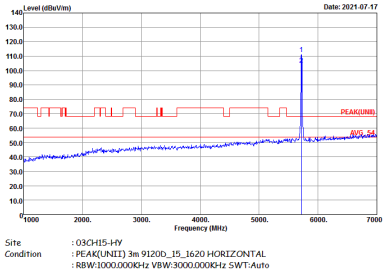
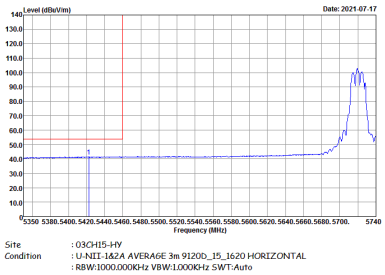
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

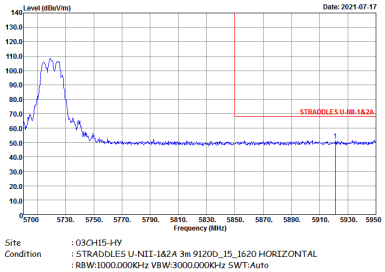
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz	
7+9	Horizontal	Vertical
Peak Avg.		

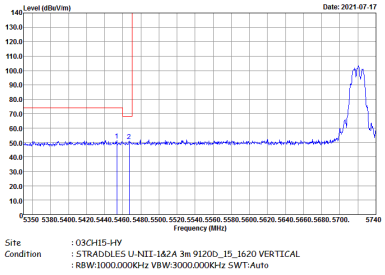
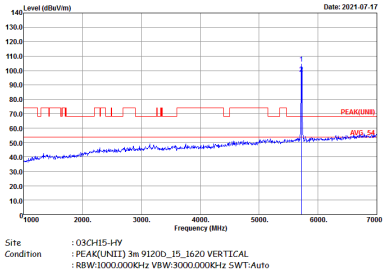
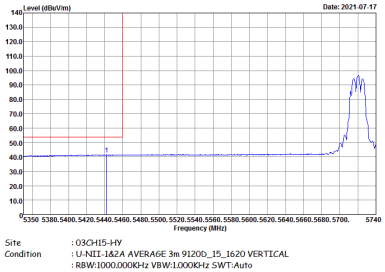
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH122 5610MHz	
7+9	Horizontal	Vertical
Peak Avg.		

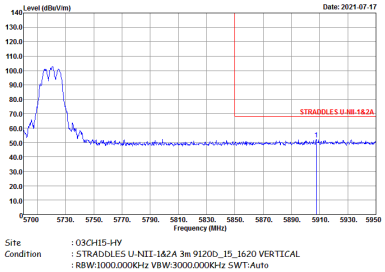
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

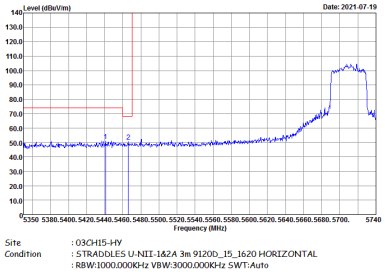
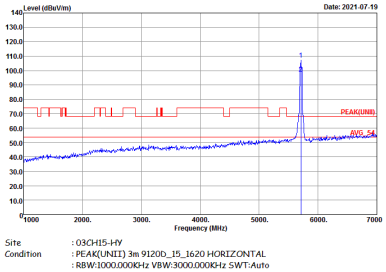
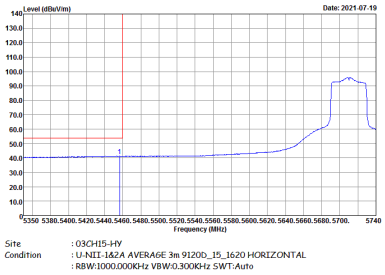
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
7+9	Horizontal	Fundamental
Peak		Left blank

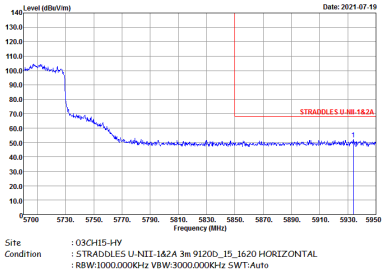
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

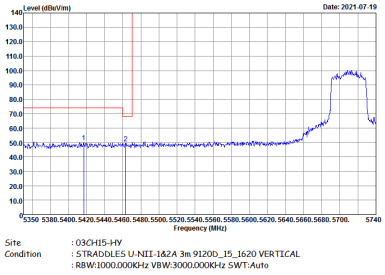
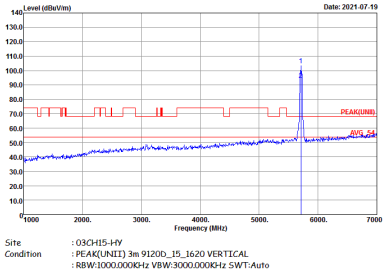
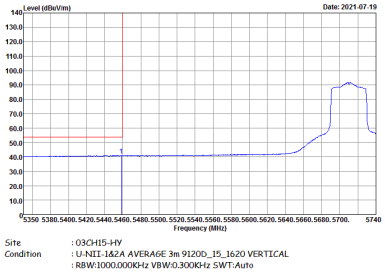
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

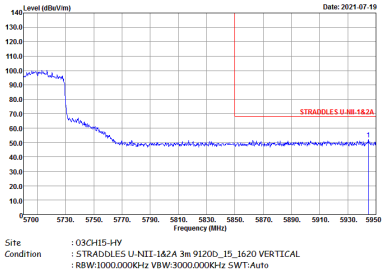
Band 3 – Straddle Channel

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

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE40 Full CH142 5710MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

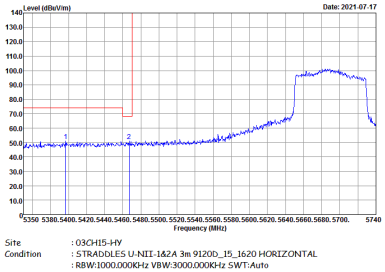
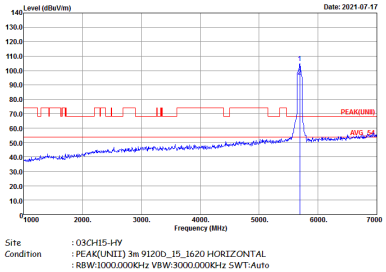
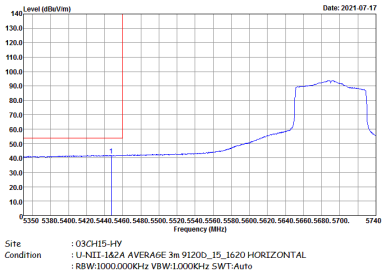
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE40 Full CH142 5710MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

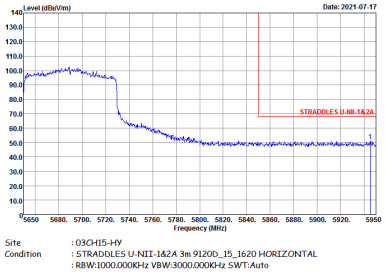
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE40 Full CH142 5710MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

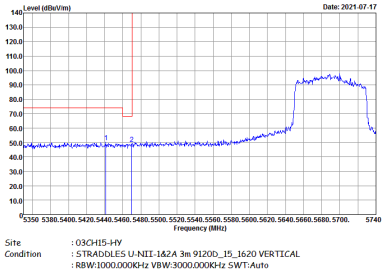
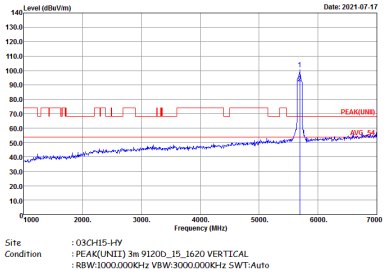
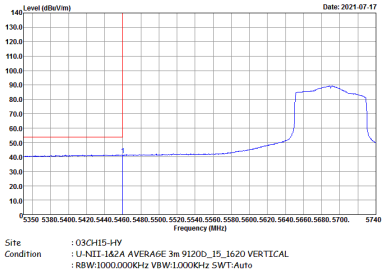
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE40 Full CH142 5710MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

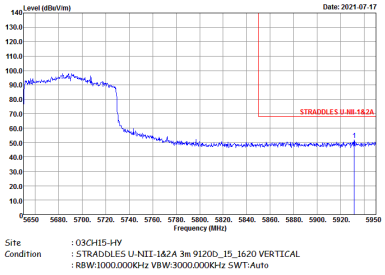
Band 3 – Straddle Channel

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

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE80 Full CH138 5690MHz - L	
7+9	Horizontal	Fundamental
Peak		
Avg.		Left blank

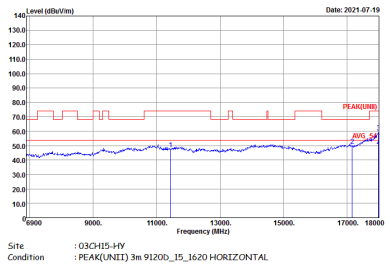
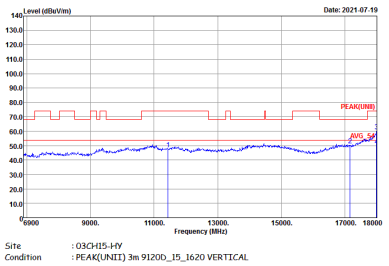
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE80 Full CH138 5690MHz - R	
7+9	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE80 Full CH138 5690MHz - L	
7+9	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ax HE80 Full CH138 5690MHz - R	
7+9	Vertical	Fundamental
Peak		Left blank

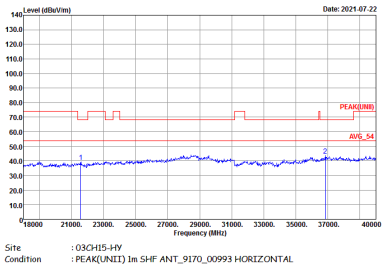
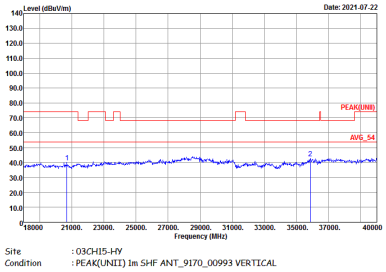
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
7+9	Horizontal	Vertical
Peak Avg.		

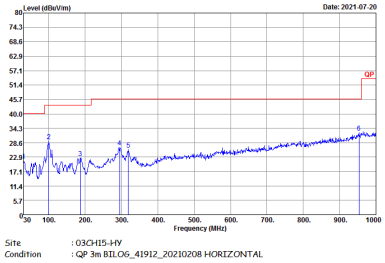
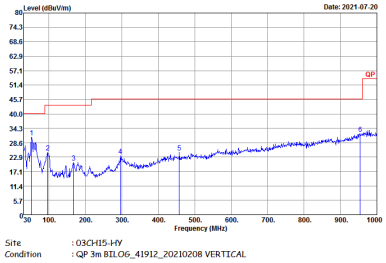
Emission above 18GHz

5GHz WIFI 802.11ax HE20 (SHF@1m)

WIFI	5GHz WIFI	
ANT	802.11ax HE20 SHF	
7+9	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

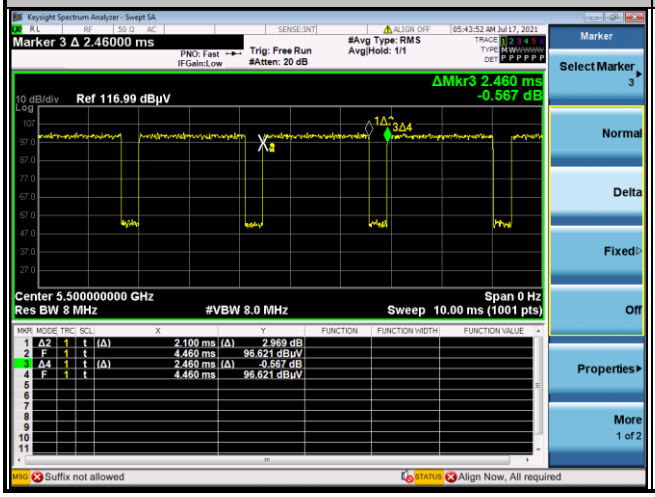
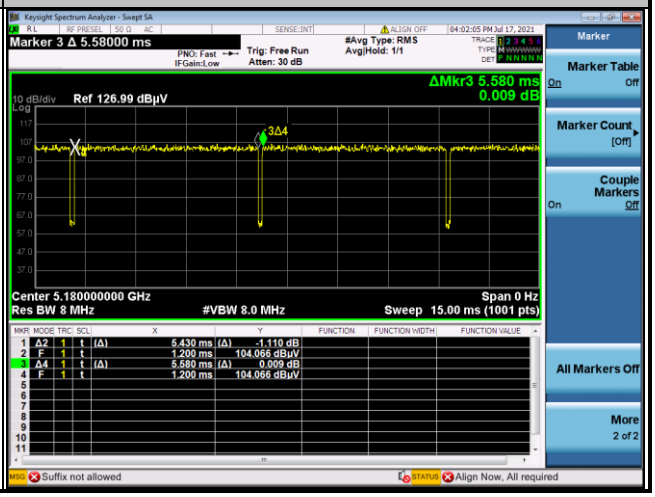
5GHz WIFI 802.11ax HE20 (LF@3m)

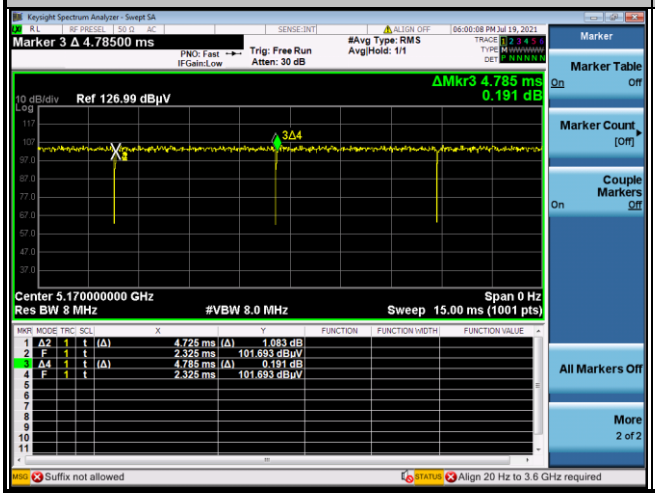
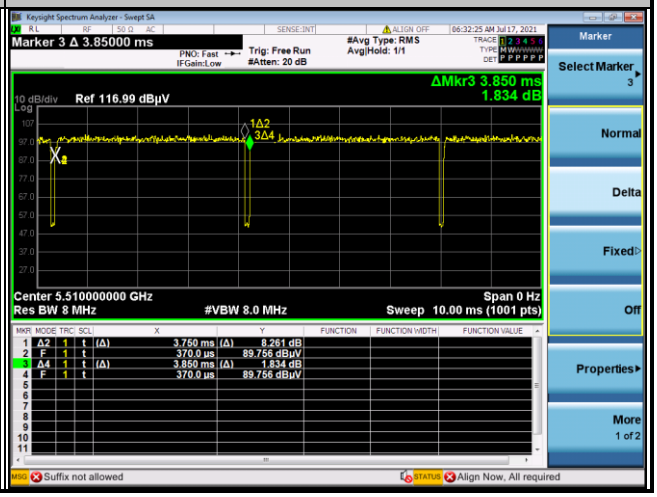
WIFI	5GHz WIFI	
ANT	802.11ax HE20 LF	
7+9	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
7+9	802.11a	85.37	2100	0.48	1kHz
7+9	5GHz 802.11ax HE20 Full RU	97.31	5430	0.18	300Hz
7+9	5GHz 802.11ax HE20 106 RU	98.75	-	-	10Hz
7+9	5GHz 802.11ax HE40 Full RU	97.40	3750	0.27	300Hz
7+9	5GHz 802.11ax HE80 Full RU	95.56	2800	0.36	1kHz
7+9	5GHz 802.11ax HE160 Full RU	95.67	2430	0.41	1kHz

MIMO <Ant. 7+9>

802.11a	802.11ax HE20 Full RU
	

802.11ax HE20 106 RU	802.11ax HE40 Full RU
	
802.11ax HE80 Full RU	**802.11ax HE160 Full RU**