FCC RADIO TEST REPORT

FCC ID	:	2AFZZK11AG
Equipment	:	Mobile Phone
Brand Name	:	POCO
Model Name	:	M2012K11AG
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 Jan. 05, 2021 and testing was started from Jan. 08, 2021 and completed on Jan. 29, 2021. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR110409E	01	Initial issue of report	Feb. 08, 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	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.80 dB at 5469.280 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.59 dB at 0.499 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Yimin Ho

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	EUT with Battery 1
Sample 2	EUT with Battery 2
Antenna Type	**WWAN:** PIFA Antenna **WLAN 5GHz:** <Ant. 11>: PIFA Antenna <Ant. 6>: PIFA Antenna **WLAN 2.4GHz:** <Ant. 11>: PIFA Antenna <Ant. 7>: PIFA Antenna **Bluetooth:** <Ant. 11>: PIFA Antenna <Ant. 7>: PIFA Antenna **GPS / Glonass / BDS / Galileo:** <L1 Ant.>: PIFA Antenna <L5 Ant.>: PIFA Antenna **NFC:** Planar Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 11: -1.9 Ant. 6: -6.4
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 11: -1.9 Ant. 6: -5.8
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 11: -1.9 Ant. 6: -3.7

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH16-HY

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

FCC designation No.: TW1190 and TW0007

1.4 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, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG 4 + USB Cable (Charging from Adapter) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with 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

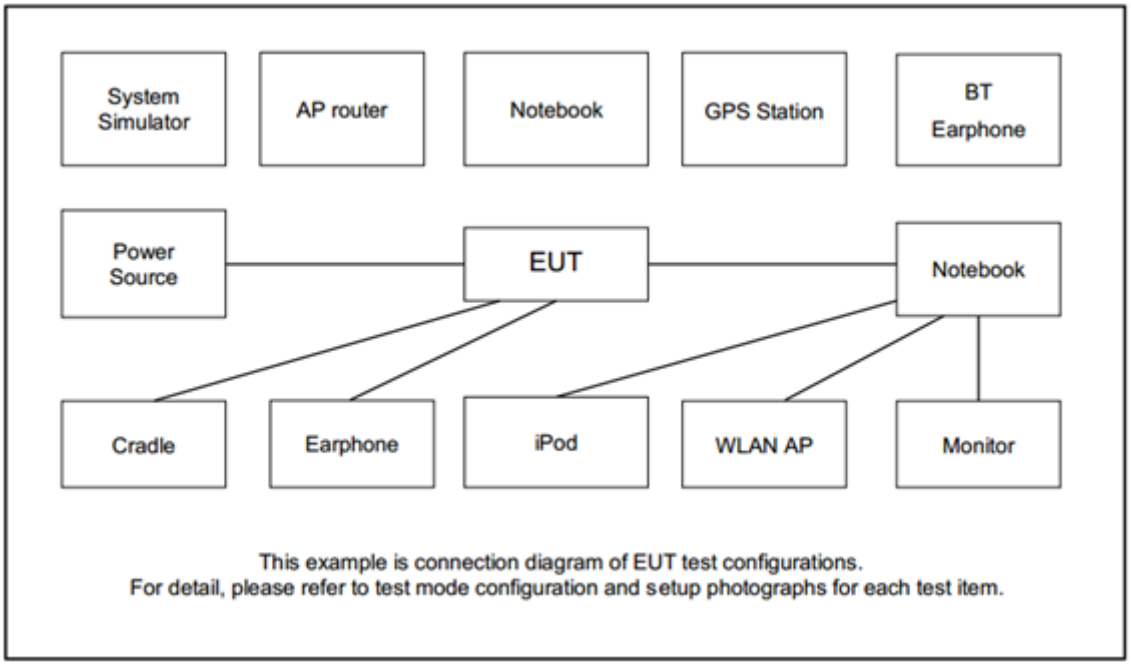
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

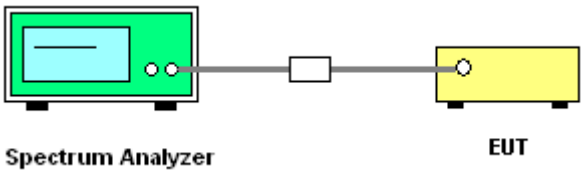
3.1.2 Measuring Instruments

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.

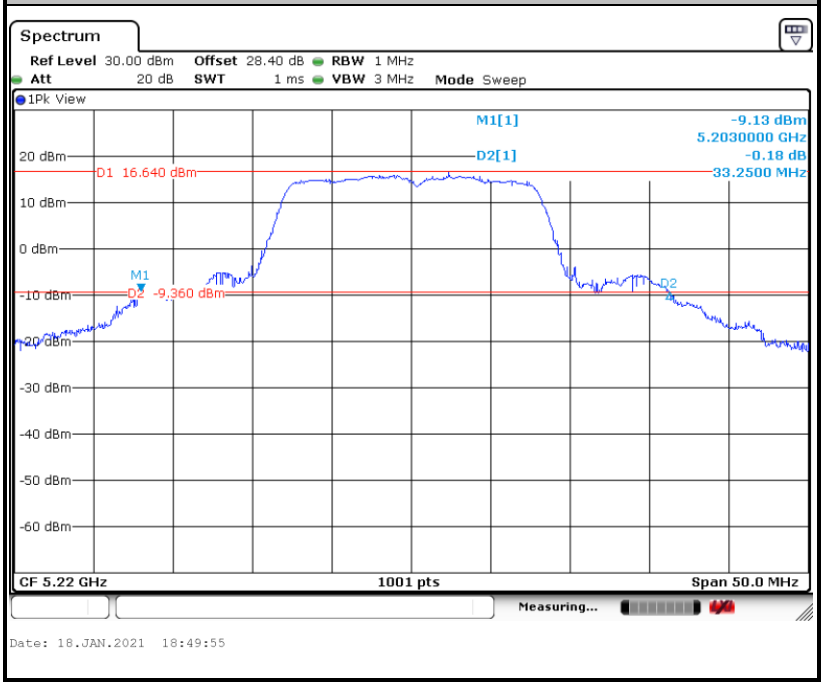
3.1.4 Test Setup



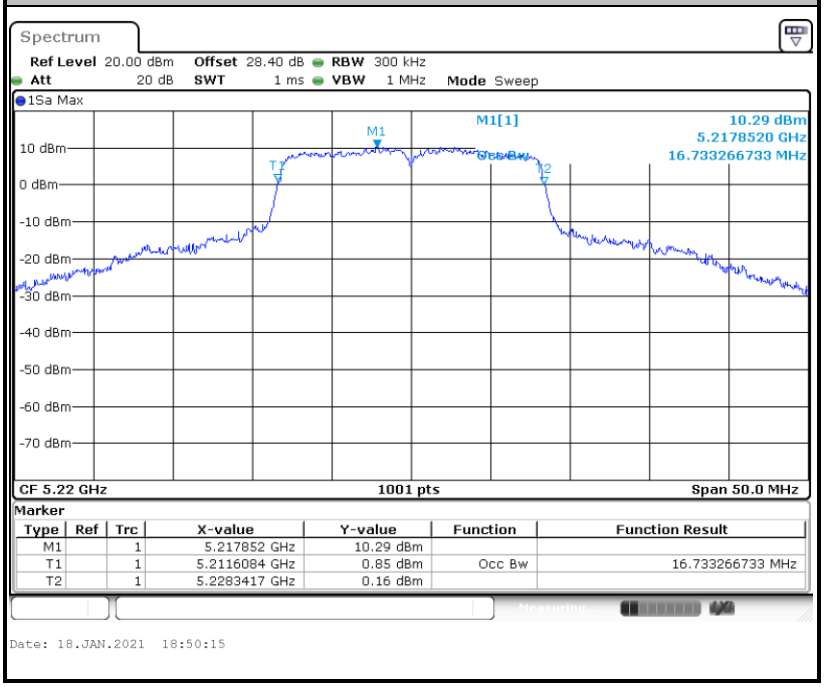
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



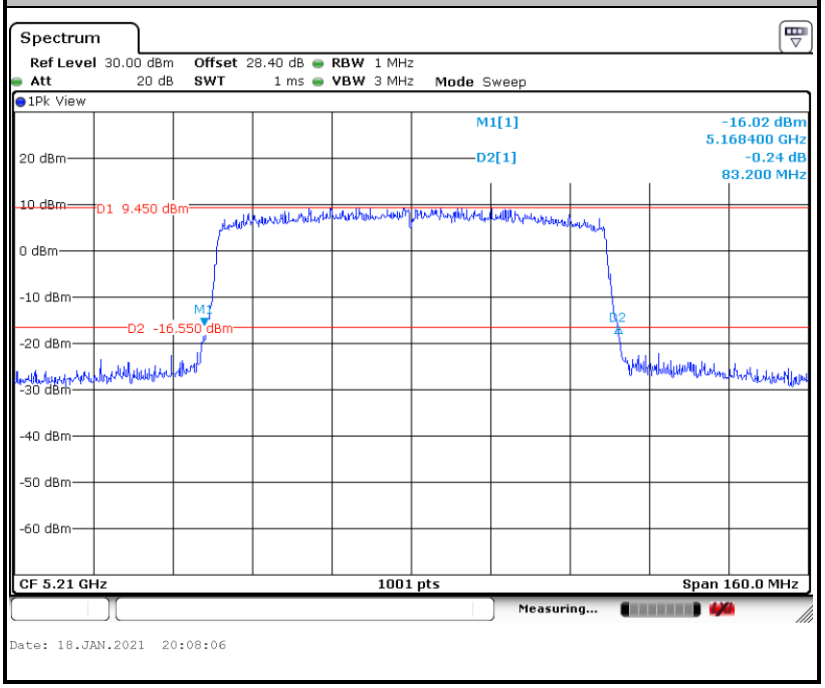
Maximum 99% Occupied Bandwidth



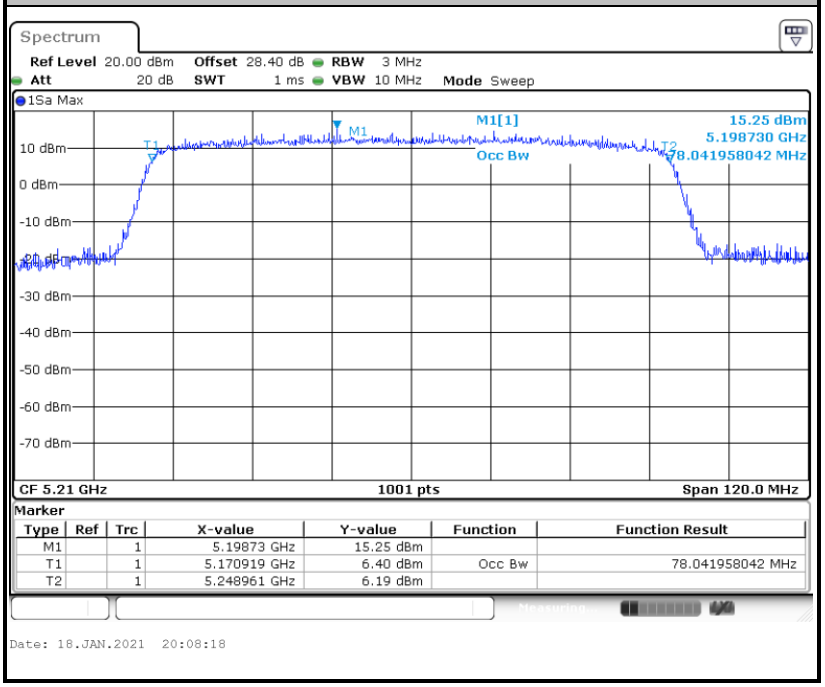
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For 802.11ax mode>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<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.

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.

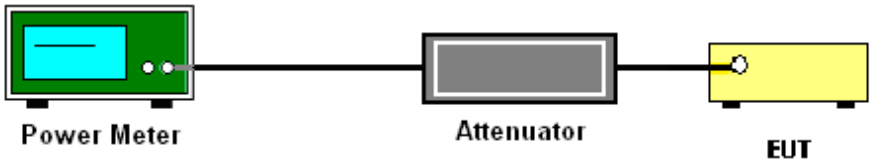
3.2.3 Test Procedures

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.

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.

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):

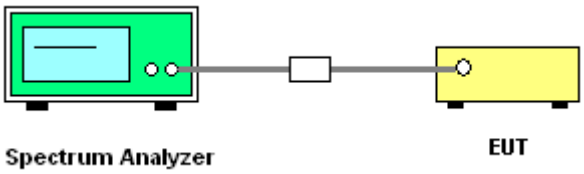
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which 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.

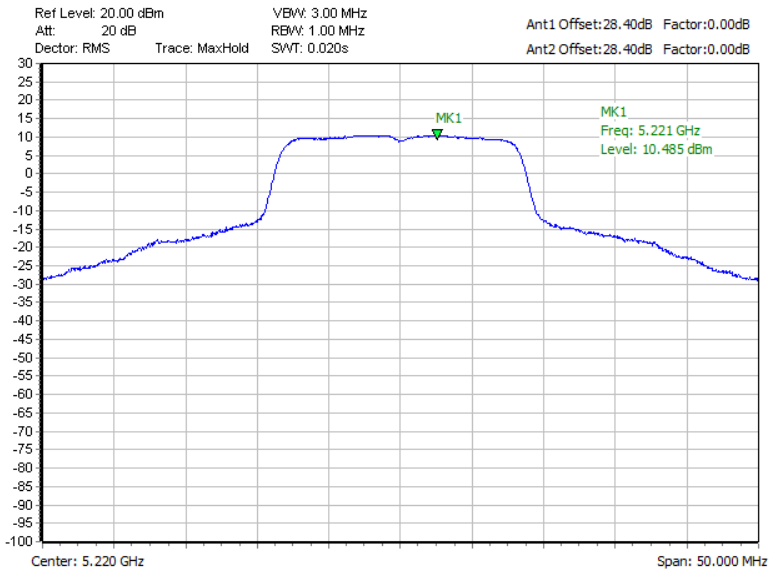
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

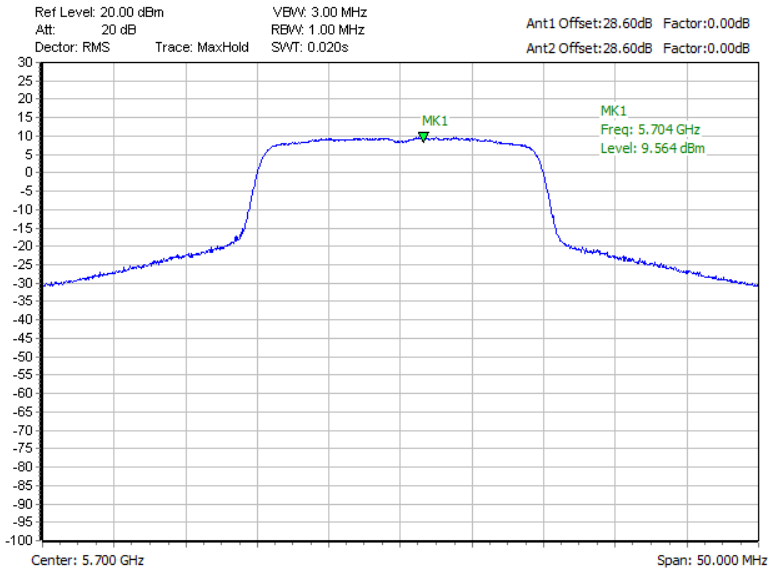
Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



<For 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.

<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.

3.4.1 Measuring Instruments

See list of measuring equipment of this test report.

3.4.2 Test Procedures

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

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

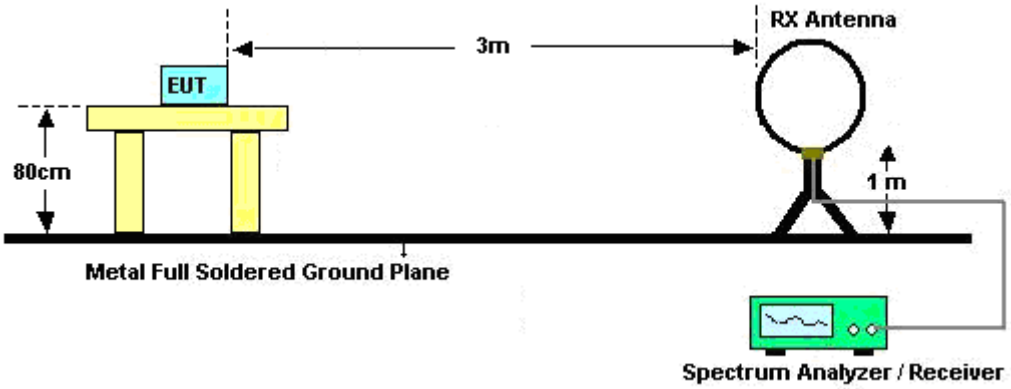
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

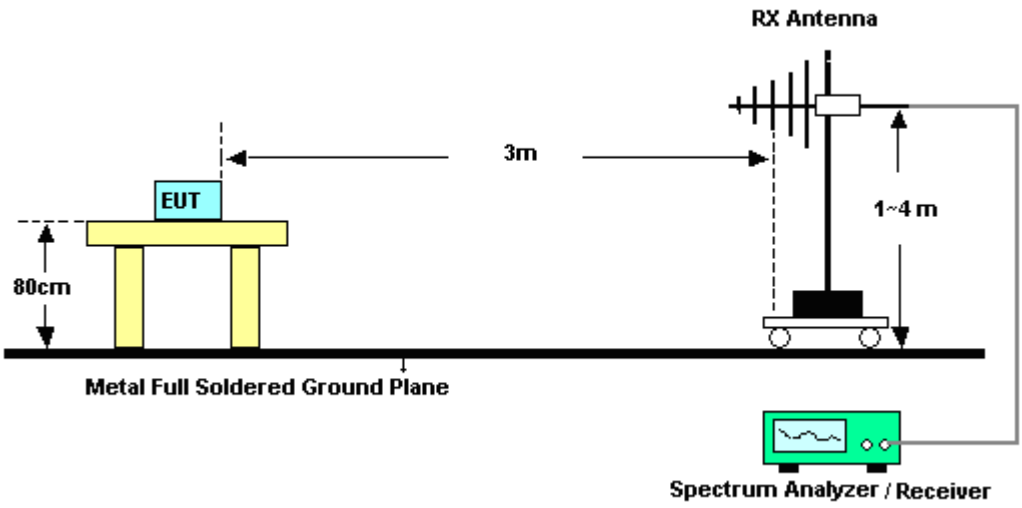
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.3 Test Setup

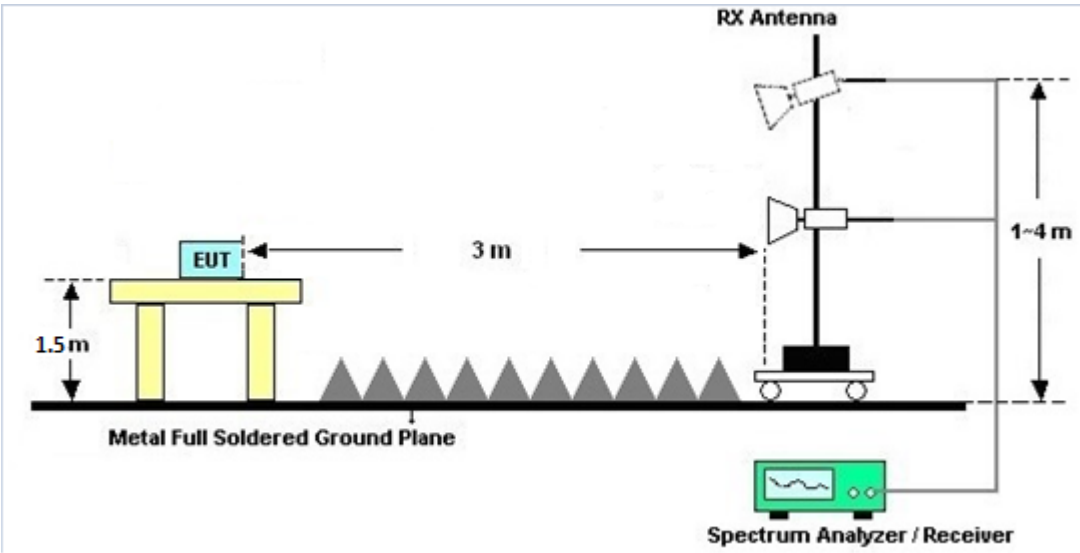
For radiated emissions below 30MHz



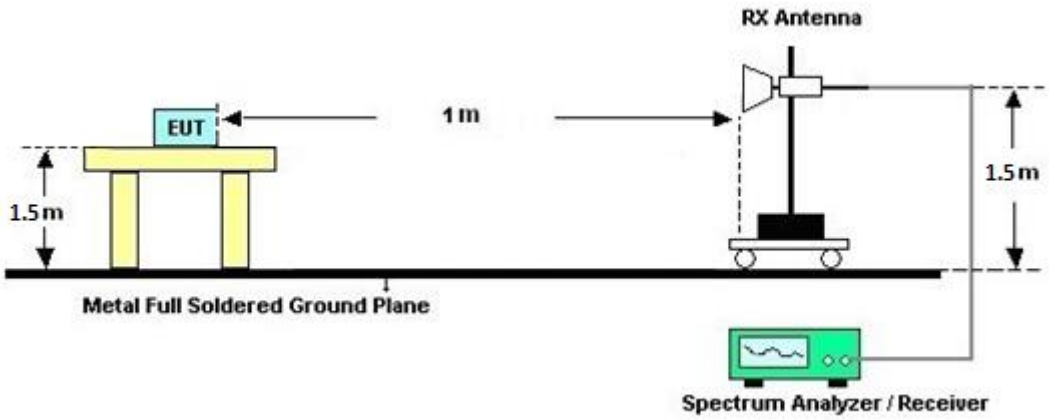
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

3.4.5 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.6 Duty Cycle

Please refer to Appendix E.

3.4.7 Test Result of 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.

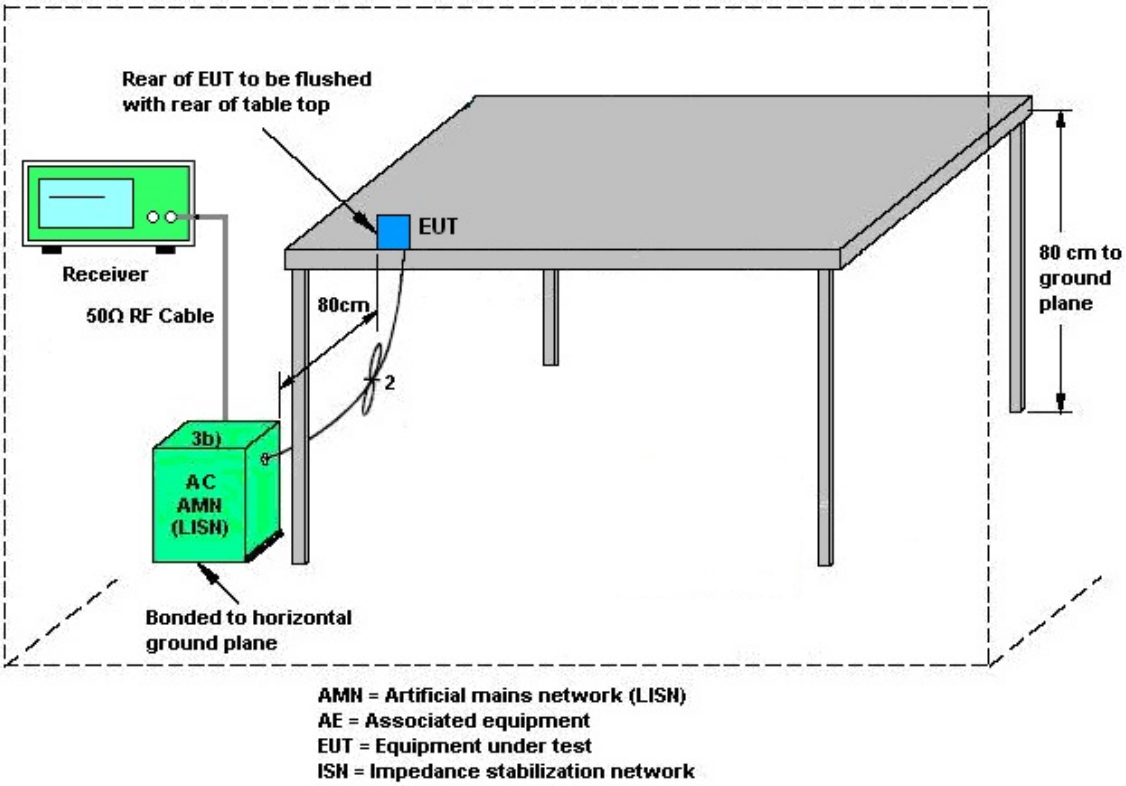
3.5.2 Measuring Instruments

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 should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

For power, the directional gain 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.

	Ant. 11 (dBi)	Ant. 6 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-1.90	-6.40	-1.90	-0.85	0.00	0.00
Band II	-1.90	-5.80	-1.90	-0.62	0.00	0.00
Band III	-1.90	-3.70	-1.90	0.26	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	100488	9 kHz~30 MHz	Jul. 14, 2020	Jan. 13, 2021~ Jan. 26, 2021	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01 N-06	47020 & 06	30MHz to 1GHz	Oct. 11, 2020	Jan. 13, 2021~ Jan. 26, 2021	Oct. 10, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30, 2020	Jan. 13, 2021~ Jan. 26, 2021	Sep. 29, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 29, 2020	Jan. 13, 2021~ Jan. 26, 2021	Sep. 28, 2021	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845S E	980729	1-18GHz	Jul. 10, 2020	Jan. 13, 2021~ Jan. 26, 2021	Jul. 09, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz ~40GHz	May 22, 2020	Jan. 13, 2021~ Jan. 26, 2021	May 21, 2021	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 10, 2020	Jan. 13, 2021~ Jan. 26, 2021	Dec. 09, 2021	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY572901 11	3Hz~26.5GHz	Dec. 11,.2020	Jan. 13, 2021~ Jan. 26, 2021	Dec. 10, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 29, 2020	Jan. 13, 2021~ Jan. 26, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 29, 2020	Jan. 13, 2021~ Jan. 26, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 29, 2020	Jan. 13, 2021~ Jan. 26, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Jan. 13, 2021~ Jan. 26, 2021	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jan. 13, 2021~ Jan. 26, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 13, 2021~ Jan. 26, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 13, 2021~ Jan. 26, 2021	N/A	Radiation (03CH16-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 22, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jan. 22, 2021	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Jan. 22, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Jan. 22, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 22, 2021	N/A	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Jan. 22, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	ESHVTSD 9561-F N3-Z2	109561-F N0037308 51	9kHz-200MHz	Nov. 02, 2020	Jan. 22, 2021	Nov. 01, 2021	Conduction (CO05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Jan. 08, 2021~ Jan. 29, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 09, 2020	Jan. 08, 2021~ Jan. 29, 2021	Dec. 08, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Jan. 08, 2021~ Jan. 29, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Jan. 08, 2021~ Jan. 29, 2021	Mar. 16, 2021	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Rebecca Li/Hank Hsu	Temperature:	21~25	°C
Test Date:	2021/1/8~2021/1/29	Relative Humidity:	51~54	%

Report Number : FR110409E

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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	36	5180	16.43	16.38	20.85	21.45	-		22.14			
11a	6Mbps	2	44	5220	16.73	16.48	33.25	30.80	-		22.17			
11a	6Mbps	2	48	5240	16.53	16.48	27.75	28.85	-		22.17			

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	36	5180	18.40	17.90	21.17	24.00		-1.90			Pass
11a	6Mbps	2	44	5220	19.20	18.70	21.97	24.00		-1.90			Pass
11a	6Mbps	2	48	5240	18.80	18.50	21.66	24.00		-1.90			Pass
HT20	MCS0	2	36	5180	17.70	17.20	20.47	24.00		-1.90			Pass
HT20	MCS0	2	44	5220	18.20	17.70	20.97	24.00		-1.90			Pass
HT20	MCS0	2	48	5240	18.10	17.80	20.96	24.00		-1.90			Pass
HT40	MCS0	2	38	5190	17.00	16.40	19.72	24.00		-1.90			Pass
HT40	MCS0	2	46	5230	17.40	17.20	20.31	24.00		-1.90			Pass
VHT20	MCS0	2	36	5180	17.70	17.20	20.47	24.00		-1.90			Pass
VHT20	MCS0	2	44	5220	18.20	17.70	20.97	24.00		-1.90			Pass
VHT20	MCS0	2	48	5240	18.10	17.80	20.96	24.00		-1.90			Pass
VHT40	MCS0	2	38	5190	17.00	16.40	19.72	24.00		-1.90			Pass
VHT40	MCS0	2	46	5230	17.40	17.20	20.31	24.00		-1.90			Pass
VHT80	MCS0	2	42	5210	16.50	16.10	19.31	24.00		-1.90			Pass

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	36	5180	7.67	7.05	10.23	11.00		-0.85			Pass
11a	6Mbps	2	44	5220	8.05	7.59	10.49	11.00		-0.85			Pass
11a	6Mbps	2	48	5240	7.51	7.32	10.21	11.00		-0.85			Pass

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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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	
11a	6Mbps	2	52	5260	16.58	16.58	33.20	31.05	23.20		29.20		23.98		
11a	6Mbps	2	60	5300	16.63	16.53	33.10	30.85	23.18		29.18		23.98		
11a	6Mbps	2	64	5320	16.48	16.48	27.70	27.40	23.17		29.17		23.98		

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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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	52	5260	19.00	18.80	21.91	23.98		-1.90		26.99	Pass
11a	6Mbps	2	60	5300	18.90	18.70	21.81	23.98		-1.90		26.99	Pass
11a	6Mbps	2	64	5320	18.50	18.50	21.51	23.98		-1.90		26.99	Pass
HT20	MCS0	2	52	5260	17.90	17.70	20.81	23.98		-1.90		26.99	Pass
HT20	MCS0	2	60	5300	17.80	17.60	20.71	23.98		-1.90		26.99	Pass
HT20	MCS0	2	64	5320	17.80	17.80	20.81	23.98		-1.90		26.99	Pass
HT40	MCS0	2	54	5270	17.20	17.00	20.11	23.98		-1.90		26.99	Pass
HT40	MCS0	2	62	5310	16.70	16.70	19.71	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	52	5260	17.90	17.70	20.81	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	60	5300	17.80	17.60	20.71	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	64	5320	17.80	17.80	20.81	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	54	5270	17.20	17.00	20.11	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	62	5310	16.70	16.70	19.71	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	58	5290	16.00	16.10	19.06	23.98		-1.90		26.99	Pass

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	52	5260	7.51	7.66	10.27	11.00		-0.62			Pass
11a	6Mbps	2	60	5300	7.81	7.51	10.34	11.00		-0.62			Pass
11a	6Mbps	2	64	5320	7.85	7.60	10.49	11.00		-0.62			Pass

Report Number : FR110409E

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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6
11a	6Mbps	2	100	5500	16.43	16.48	22.80	30.30	23.16		29.16		23.98		----	----
11a	6Mbps	2	116	5580	16.38	16.43	21.00	27.15	23.14		29.14		23.98		----	----
11a	6Mbps	2	140	5700	16.43	16.48	22.70	29.35	23.16		29.16		23.98		----	----

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	100	5500	18.60	18.80	21.71	23.98		-1.90		26.99	Pass
11a	6Mbps	2	116	5580	18.60	18.70	21.66	23.98		-1.90		26.99	Pass
11a	6Mbps	2	140	5700	18.50	18.80	21.66	23.98		-1.90		26.99	Pass
HT20	MCS0	2	100	5500	18.00	18.10	21.06	23.98		-1.90		26.99	Pass
HT20	MCS0	2	116	5580	18.00	17.90	20.96	23.98		-1.90		26.99	Pass
HT20	MCS0	2	140	5700	17.80	18.20	21.01	23.98		-1.90		26.99	Pass
HT40	MCS0	2	102	5510	17.30	17.50	20.41	23.98		-1.90		26.99	Pass
HT40	MCS0	2	110	5550	17.30	17.70	20.51	23.98		-1.90		26.99	Pass
HT40	MCS0	2	134	5670	17.10	17.70	20.42	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	100	5500	18.00	18.10	21.06	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	116	5580	18.00	17.90	20.96	23.98		-1.90		26.99	Pass
VHT20	MCS0	2	140	5700	17.80	18.20	21.01	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	102	5510	17.30	17.50	20.41	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	110	5550	17.30	17.70	20.51	23.98		-1.90		26.99	Pass
VHT40	MCS0	2	134	5670	17.10	17.70	20.42	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	106	5530	16.30	16.60	19.46	23.98		-1.90		26.99	Pass
VHT80	MCS0	2	122	5610	16.40	16.50	19.46	23.98		-1.90		26.99	Pass

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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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
11a	6Mbps	2	100	5500	7.29	7.76	10.41	11.00		0.26			Pass
11a	6Mbps	2	116	5580	7.29	7.58	10.38	11.00		0.26			Pass
11a	6Mbps	2	140	5700	7.07	7.71	10.21	11.00		0.26			Pass

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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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	36	5180	Full	18.88	18.93	23.25	22.85	-		22.76			
HE20	MCS0	2	44	5220	Full	18.93	18.98	23.75	23.35	-		22.77			
HE20	MCS0	2	48	5240	Full	18.98	18.93	22.85	23.55	-		22.77			
HE40	MCS0	2	38	5190	Full	37.96	37.86	40.95	41.31	-		23.01			
HE40	MCS0	2	46	5230	Full	37.76	37.86	41.49	41.31	-		23.01			
HE80	MCS0	2	42	5210	Full	78.04	77.92	83.20	82.56	-		23.01			

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	36	5180	Full	17.80	17.10	20.47	24.00		-1.90			Pass
HE20	MCS0	2	36	5180	26/0	8.30	8.60	11.46	24.00		-1.90			Pass
HE20	MCS0	2	36	5180	52/37	11.00	11.50	14.27	24.00		-1.90			Pass
HE20	MCS0	2	36	5180	106/53	14.80	15.20	18.01	24.00		-1.90			Pass
HE20	MCS0	2	44	5220	Full	18.30	17.80	21.07	24.00		-1.90			Pass
HE20	MCS0	2	44	5220	26/4	9.70	9.70	12.71	24.00		-1.90			Pass
HE20	MCS0	2	44	5220	52/39	11.40	11.50	14.46	24.00		-1.90			Pass
HE20	MCS0	2	44	5220	106/53	15.10	15.10	18.11	24.00		-1.90			Pass
HE20	MCS0	2	48	5240	Full	18.20	17.90	21.06	24.00		-1.90			Pass
HE20	MCS0	2	48	5240	26/8	8.50	8.80	11.66	24.00		-1.90			Pass
HE20	MCS0	2	48	5240	52/40	11.30	13.10	15.30	24.00		-1.90			Pass
HE20	MCS0	2	48	5240	106/54	14.60	14.80	17.71	24.00		-1.90			Pass
HE40	MCS0	2	38	5190	Full	17.10	16.50	19.82	24.00		-1.90			Pass
HE40	MCS0	2	38	5190	242/61	15.20	15.40	18.31	24.00		-1.90			Pass
HE40	MCS0	2	46	5230	Full	17.50	17.30	20.41	24.00		-1.90			Pass
HE40	MCS0	2	46	5230	242/62	15.10	15.30	18.21	24.00		-1.90			Pass
HE80	MCS0	2	42	5210	Full	16.60	16.20	19.41	24.00		-1.90			Pass
HE80	MCS0	2	42	5210	484/65	14.50	14.40	17.46	24.00		-1.90			Pass

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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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	36	5180	Full	6.84	6.19	9.30	11.00		-0.85			Pass
HE20	MCS0	2	36	5180	26/0	5.97	6.28	9.14	11.00		-0.85			Pass
HE20	MCS0	2	36	5180	52/37	5.81	6.10	8.91	11.00		-0.85			Pass
HE20	MCS0	2	36	5180	106/53	6.06	6.42	9.22	11.00		-0.85			Pass
HE20	MCS0	2	44	5220	Full	6.99	6.18	9.35	11.00		-0.85			Pass
HE20	MCS0	2	44	5220	26/4	6.09	6.18	9.11	11.00		-0.85			Pass
HE20	MCS0	2	44	5220	52/39	5.77	5.88	8.80	11.00		-0.85			Pass
HE20	MCS0	2	44	5220	106/53	6.14	6.27	9.16	11.00		-0.85			Pass
HE20	MCS0	2	48	5240	Full	7.00	6.45	9.48	11.00		-0.85			Pass
HE20	MCS0	2	48	5240	26/8	6.07	6.24	9.15	11.00		-0.85			Pass
HE20	MCS0	2	48	5240	52/40	6.00	6.38	9.20	11.00		-0.85			Pass
HE20	MCS0	2	48	5240	106/54	6.02	6.37	9.10	11.00		-0.85			Pass
HE40	MCS0	2	38	5190	Full	3.21	2.75	5.73	11.00		-0.85			Pass
HE40	MCS0	2	38	5190	242/61	2.63	2.78	5.64	11.00		-0.85			Pass
HE40	MCS0	2	46	5230	Full	3.40	3.24	5.86	11.00		-0.85			Pass
HE40	MCS0	2	46	5230	242/62	2.75	2.76	5.70	11.00		-0.85			Pass
HE80	MCS0	2	42	5210	Full	-0.36	-0.82	2.13	11.00		-0.85			Pass
HE80	MCS0	2	42	5210	484/65	-1.07	-1.10	1.80	11.00		-0.85			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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	
HE20	MCS0	2	52	5260	Full	18.88	18.93	23.20	23.35	23.76		29.76		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.93	22.60	23.40	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.93	22.95	22.85	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	37.76	37.86	41.40	41.22	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.76	37.86	41.22	41.31	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.92	77.92	81.92	82.08	23.98		30.00		23.98		

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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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	52	5260	Full	18.00	17.80	20.91	23.98		-1.90		26.99	Pass
HE20	MCS0	2	52	5260	26/0	8.50	9.00	11.77	23.98		-1.90		26.99	Pass
HE20	MCS0	2	52	5260	52/37	11.70	12.30	15.02	23.98		-1.90		26.99	Pass
HE20	MCS0	2	52	5260	106/53	14.90	15.30	18.11	23.98		-1.90		26.99	Pass
HE20	MCS0	2	60	5300	Full	17.90	17.70	20.81	23.98		-1.90		26.99	Pass
HE20	MCS0	2	60	5300	26/4	9.40	9.80	12.61	23.98		-1.90		26.99	Pass
HE20	MCS0	2	60	5300	52/39	11.60	12.00	14.81	23.98		-1.90		26.99	Pass
HE20	MCS0	2	60	5300	106/54	14.70	15.10	17.91	23.98		-1.90		26.99	Pass
HE20	MCS0	2	64	5320	Full	17.90	17.90	20.91	23.98		-1.90		26.99	Pass
HE20	MCS0	2	64	5320	26/8	8.60	8.60	11.61	23.98		-1.90		26.99	Pass
HE20	MCS0	2	64	5320	52/40	11.30	11.50	14.41	23.98		-1.90		26.99	Pass
HE20	MCS0	2	64	5320	106/54	14.40	14.70	17.56	23.98		-1.90		26.99	Pass
HE40	MCS0	2	54	5270	Full	17.30	17.10	20.21	23.98		-1.90		26.99	Pass
HE40	MCS0	2	54	5270	242/61	14.60	15.10	17.87	23.98		-1.90		26.99	Pass
HE40	MCS0	2	62	5310	Full	16.80	16.80	19.81	23.98		-1.90		26.99	Pass
HE40	MCS0	2	62	5310	242/62	14.60	14.80	17.71	23.98		-1.90		26.99	Pass
HE80	MCS0	2	58	5290	Full	16.10	16.20	19.16	23.98		-1.90		26.99	Pass
HE80	MCS0	2	58	5290	484/66	14.00	14.10	17.06	23.98		-1.90		26.99	Pass

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	52	5260	Full	6.85	6.62	9.38	11.00		-0.62			Pass
HE20	MCS0	2	52	5260	26/0	5.97	6.44	9.07	11.00		-0.62			Pass
HE20	MCS0	2	52	5260	52/37	5.90	6.54	9.23	11.00		-0.62			Pass
HE20	MCS0	2	52	5260	106/53	6.00	6.36	9.15	11.00		-0.62			Pass
HE20	MCS0	2	60	5300	Full	6.68	6.34	9.32	11.00		-0.62			Pass
HE20	MCS0	2	60	5300	26/4	6.15	6.28	9.14	11.00		-0.62			Pass
HE20	MCS0	2	60	5300	52/39	6.07	6.46	9.20	11.00		-0.62			Pass
HE20	MCS0	2	60	5300	106/54	6.19	6.55	9.30	11.00		-0.62			Pass
HE20	MCS0	2	64	5320	Full	6.63	6.55	9.32	11.00		-0.62			Pass
HE20	MCS0	2	64	5320	26/8	5.93	6.13	9.03	11.00		-0.62			Pass
HE20	MCS0	2	64	5320	52/40	5.88	6.04	8.83	11.00		-0.62			Pass
HE20	MCS0	2	64	5320	106/54	5.71	5.96	8.84	11.00		-0.62			Pass
HE40	MCS0	2	54	5270	Full	2.96	2.89	5.63	11.00		-0.62			Pass
HE40	MCS0	2	54	5270	242/61	2.17	2.75	5.38	11.00		-0.62			Pass
HE40	MCS0	2	62	5310	Full	2.62	2.81	5.53	11.00		-0.62			Pass
HE40	MCS0	2	62	5310	242/62	2.31	2.44	5.27	11.00		-0.62			Pass
HE80	MCS0	2	58	5290	Full	-0.71	-0.89	1.97	11.00		-0.62			Pass
HE80	MCS0	2	58	5290	484/66	-1.15	-1.03	1.75	11.00		-0.62			Pass

Report Number : FR110409E

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 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6	Ant 11	Ant 6
HE20	MCS0	2	100	5500	Full	18.93	18.98	23.10	23.15	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.93	22.45	23.00	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.93	18.98	22.50	23.45	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	37.96	41.49	41.22	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.96	40.86	41.67	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.76	37.86	41.22	41.40	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.92	78.04	82.08	82.40	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.80	78.04	82.40	82.40	23.98		30.00		23.98		----	----

Report Number : FR110409E

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 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	100	5500	Full	18.10	18.20	21.16	23.98		-1.90		26.99	Pass
HE20	MCS0	2	100	5500	26/0	8.80	9.30	12.07	23.98		-1.90		26.99	Pass
HE20	MCS0	2	100	5500	52/37	12.20	12.50	15.36	23.98		-1.90		26.99	Pass
HE20	MCS0	2	100	5500	106/53	14.80	15.20	18.01	23.98		-1.90		26.99	Pass
HE20	MCS0	2	116	5580	Full	18.10	18.00	21.06	23.98		-1.90		26.99	Pass
HE20	MCS0	2	116	5580	26/4	9.50	9.40	12.46	23.98		-1.90		26.99	Pass
HE20	MCS0	2	116	5580	52/38	11.90	11.60	14.76	23.98		-1.90		26.99	Pass
HE20	MCS0	2	116	5580	106/53	15.00	15.00	18.01	23.98		-1.90		26.99	Pass
HE20	MCS0	2	140	5700	Full	17.90	18.30	21.11	23.98		-1.90		26.99	Pass
HE20	MCS0	2	140	5700	26/8	8.50	9.00	11.77	23.98		-1.90		26.99	Pass
HE20	MCS0	2	140	5700	52/40	11.30	11.80	14.57	23.98		-1.90		26.99	Pass
HE20	MCS0	2	140	5700	106/54	14.60	15.00	17.81	23.98		-1.90		26.99	Pass
HE40	MCS0	2	102	5510	Full	17.40	17.60	20.51	23.98		-1.90		26.99	Pass
HE40	MCS0	2	102	5510	242/61	15.00	15.50	18.27	23.98		-1.90		26.99	Pass
HE40	MCS0	2	110	5550	Full	17.40	17.80	20.61	23.98		-1.90		26.99	Pass
HE40	MCS0	2	110	5550	242/61	14.90	15.70	18.33	23.98		-1.90		26.99	Pass
HE40	MCS0	2	134	5670	Full	17.20	17.80	20.52	23.98		-1.90		26.99	Pass
HE40	MCS0	2	134	5670	242/62	14.80	15.20	18.01	23.98		-1.90		26.99	Pass
HE80	MCS0	2	106	5530	Full	16.40	16.70	19.56	23.98		-1.90		26.99	Pass
HE80	MCS0	2	106	5530	484/65	14.00	14.40	17.21	23.98		-1.90		26.99	Pass
HE80	MCS0	2	122	5610	Full	16.50	16.60	19.56	23.98		-1.90		26.99	Pass
HE80	MCS0	2	122	5610	484/66	14.50	14.20	17.36	23.98		-1.90		26.99	Pass

Report Number : FR110409E

TEST RESULTS DATA
Power Spectral Density

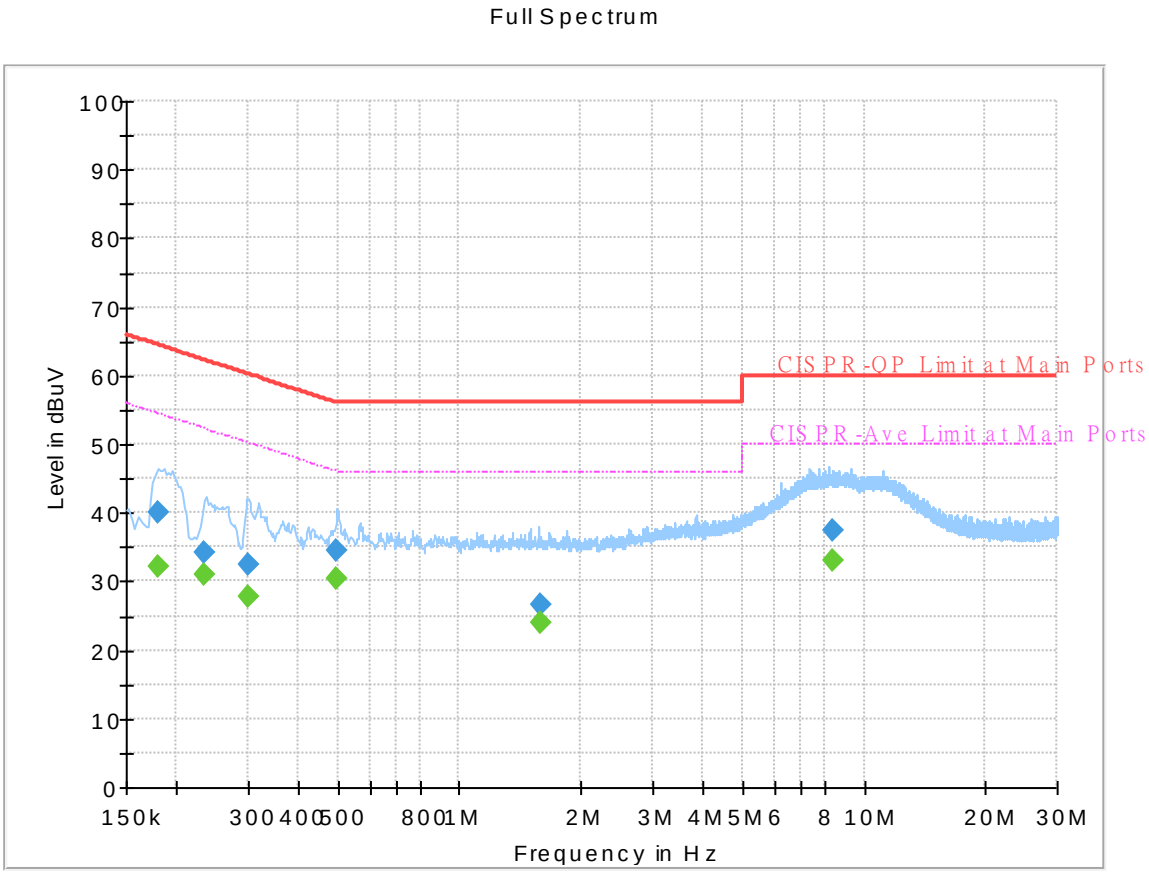
Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 11	Ant 6	SUM	Ant 11	Ant 6	Ant 11	Ant 6		
HE20	MCS0	2	100	5500	Full	6.62	7.11	9.53	11.00		0.26			Pass
HE20	MCS0	2	100	5500	26/0	5.94	6.51	9.18	11.00		0.26			Pass
HE20	MCS0	2	100	5500	52/37	6.37	6.77	9.51	11.00		0.26			Pass
HE20	MCS0	2	100	5500	106/53	5.96	6.35	9.14	11.00		0.26			Pass
HE20	MCS0	2	116	5580	Full	6.70	6.80	9.53	11.00		0.26			Pass
HE20	MCS0	2	116	5580	26/4	6.00	6.08	9.03	11.00		0.26			Pass
HE20	MCS0	2	116	5580	52/38	6.59	6.24	9.36	11.00		0.26			Pass
HE20	MCS0	2	116	5580	106/53	6.35	6.32	9.21	11.00		0.26			Pass
HE20	MCS0	2	140	5700	Full	6.61	7.09	9.56	11.00		0.26			Pass
HE20	MCS0	2	140	5700	26/8	6.01	6.52	9.26	11.00		0.26			Pass
HE20	MCS0	2	140	5700	52/40	6.04	6.35	9.14	11.00		0.26			Pass
HE20	MCS0	2	140	5700	106/54	5.86	6.26	9.08	11.00		0.26			Pass
HE40	MCS0	2	102	5510	Full	2.95	3.51	5.97	11.00		0.26			Pass
HE40	MCS0	2	102	5510	242/61	2.64	3.09	5.88	11.00		0.26			Pass
HE40	MCS0	2	110	5550	Full	2.75	3.57	6.01	11.00		0.26			Pass
HE40	MCS0	2	110	5550	242/61	2.38	3.02	5.64	11.00		0.26			Pass
HE40	MCS0	2	134	5670	Full	2.67	3.67	6.08	11.00		0.26			Pass
HE40	MCS0	2	134	5670	242/62	2.46	2.81	5.56	11.00		0.26			Pass
HE80	MCS0	2	106	5530	Full	-0.94	-0.24	2.29	11.00		0.26			Pass
HE80	MCS0	2	106	5530	484/65	-1.10	-0.68	2.11	11.00		0.26			Pass
HE80	MCS0	2	122	5610	Full	-0.77	-0.34	2.10	11.00		0.26			Pass
HE80	MCS0	2	122	5610	484/66	-0.73	-0.98	2.06	11.00		0.26			Pass

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	110409
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

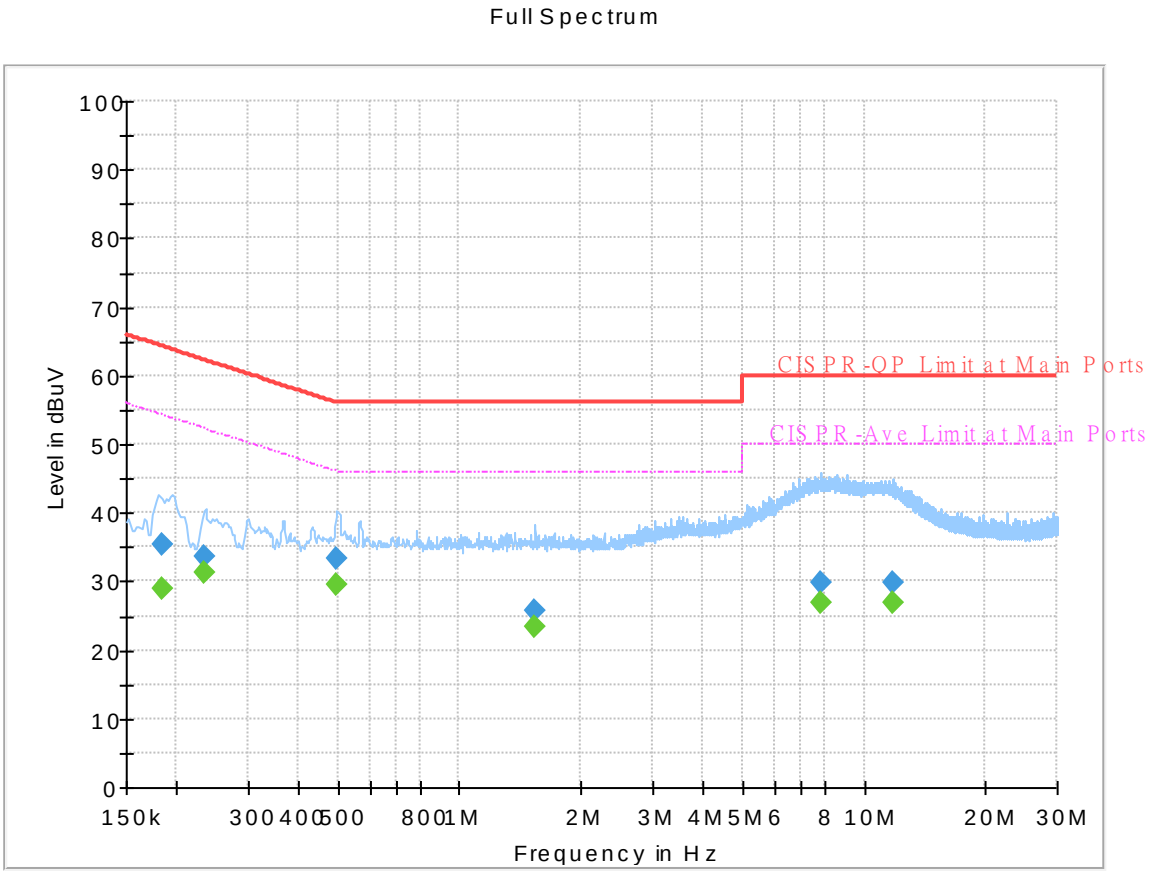


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.180870	---	32.12	54.45	22.33	L1	OFF	19.7
0.180870	40.14	---	64.45	24.31	L1	OFF	19.7
0.233700	---	31.03	52.32	21.29	L1	OFF	19.7
0.233700	34.20	---	62.32	28.12	L1	OFF	19.7
0.300300	---	27.81	50.24	22.43	L1	OFF	19.7
0.300300	32.47	---	60.24	27.77	L1	OFF	19.7
0.498570	---	30.43	46.02	15.59	L1	OFF	19.9
0.498570	34.38	---	56.02	21.64	L1	OFF	19.9
1.590000	---	24.01	46.00	21.99	L1	OFF	20.2
1.590000	26.55	---	56.00	29.45	L1	OFF	20.2
8.371410	---	33.03	50.00	16.97	L1	OFF	20.2
8.371410	37.36	---	60.00	22.64	L1	OFF	20.2

EUT Information

Report NO :	110409
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.183750	---	28.97	54.31	25.34	N	OFF	19.7
0.183750	35.37	---	64.31	28.94	N	OFF	19.7
0.234060	---	31.24	52.30	21.06	N	OFF	19.7
0.234060	33.72	---	62.30	28.58	N	OFF	19.7
0.498750	---	29.60	46.02	16.42	N	OFF	19.9
0.498750	33.28	---	56.02	22.74	N	OFF	19.9
1.533750	---	23.41	46.00	22.59	N	OFF	20.3
1.533750	25.66	---	56.00	30.34	N	OFF	20.3
7.823400	---	26.79	50.00	23.21	N	OFF	20.2
7.823400	29.86	---	60.00	30.14	N	OFF	20.2
11.833440	---	27.02	50.00	22.98	N	OFF	20.3
11.833440	29.76	---	60.00	30.24	N	OFF	20.3

Appendix C. Radiated Spurious Emission

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
11+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	61.99	-12.01	74	46.81	31.8	13.05	29.67	100	120	P	H
		5150	49.11	-4.89	54	33.93	31.8	13.05	29.67	100	120	A	H
	*	5180	111.75	-	-	96.66	31.68	13.09	29.68	100	120	P	H
	*	5180	104.28	-	-	89.19	31.68	13.09	29.68	100	120	A	H
													H
		5149.5	56.36	-17.64	74	41.18	31.8	13.05	29.67	380	51	P	V
		5150	46.6	-7.4	54	31.42	31.8	13.05	29.67	380	51	A	V
	*	5180	107.99	-	-	92.9	31.68	13.09	29.68	380	51	P	V
	*	5180	100.79	-	-	85.7	31.68	13.09	29.68	380	51	A	V
													V
802.11a CH 44 5220MHz		5095.94	54.66	-19.34	74	39.57	31.78	12.98	29.67	102	120	P	H
		5146.64	43.07	-10.93	54	27.9	31.8	13.04	29.67	102	120	A	H
	*	5220	113.21	-	-	98.27	31.48	13.15	29.69	102	120	P	H
	*	5220	105.69	-	-	90.75	31.48	13.15	29.69	102	120	A	H
		5440.4	53.45	-20.55	74	38.13	31.54	13.5	29.72	102	120	P	H
		5447.4	42.19	-11.81	54	26.82	31.58	13.51	29.72	102	120	A	H
		5133.12	54.74	-19.26	74	39.58	31.8	13.03	29.67	393	53	P	V
		5138.58	42.59	-11.41	54	27.43	31.8	13.03	29.67	393	53	A	V
	*	5220	108.42	-	-	93.48	31.48	13.15	29.69	393	53	P	V
	*	5220	100.87	-	-	85.93	31.48	13.15	29.69	393	53	A	V
		5429.48	54.12	-19.88	74	38.86	31.48	13.5	29.72	393	53	P	V
		5438.16	42.08	-11.92	54	26.77	31.53	13.5	29.72	393	53	A	V

802.11a CH 48 5240MHz		5056.94	54.49	-19.51	74	39.59	31.63	12.93	29.66	101	120	P	H
		5084.76	42.92	-11.08	54	27.87	31.74	12.97	29.66	101	120	A	H
	*	5240	112.96	-	-	98.11	31.36	13.18	29.69	101	120	P	H
	*	5240	105.45	-	-	90.6	31.36	13.18	29.69	101	120	A	H
		5396.72	54.14	-19.86	74	39.1	31.29	13.46	29.71	101	120	P	H
		5452.16	42.25	-11.75	54	26.86	31.6	13.51	29.72	101	120	A	H
		5147.42	54.36	-19.64	74	39.19	31.8	13.04	29.67	391	50	P	V
		5091	42.61	-11.39	54	27.54	31.76	12.97	29.66	391	50	A	V
	*	5240	108.62	-	-	93.77	31.36	13.18	29.69	391	50	P	V
	*	5240	101.06	-	-	86.21	31.36	13.18	29.69	391	50	A	V
		5459.44	53.55	-20.45	74	38.13	31.62	13.52	29.72	391	50	P	V
		5441.52	42.15	-11.85	54	26.81	31.55	13.51	29.72	391	50	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. 11+6	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	48.34	-19.86	68.2	45.74	39.44	19.39	56.23	100	0	P	H
		15540	46.68	-27.32	74	40.89	37.98	23.22	55.41	100	0	P	H
		10360	48.06	-20.14	68.2	45.46	39.44	19.39	56.23	100	0	P	V
		15540	47.16	-26.84	74	41.37	37.98	23.22	55.41	100	0	P	V
802.11a CH 44 5220MHz		10440	49.39	-18.81	68.2	46.49	39.68	19.43	56.21	100	0	P	H
		15660	46.82	-27.18	74	41.37	37.56	23.32	55.43	100	0	P	H
		10440	48.93	-19.27	68.2	46.03	39.68	19.43	56.21	100	0	P	V
		15660	46.61	-27.39	74	41.16	37.56	23.32	55.43	100	0	P	V
802.11a CH 48 5240MHz		10480	49.54	-18.66	68.2	46.53	39.76	19.45	56.2	100	0	P	H
		15720	46.45	-27.55	74	41.16	37.38	23.35	55.44	100	0	P	H
		10480	49.56	-18.64	68.2	46.55	39.76	19.45	56.2	100	0	P	V
		15720	47.18	-26.82	74	41.89	37.38	23.35	55.44	100	0	P	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. 11+6	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)
		5147.94	59.2	-14.8	74	44.03	31.8	13.04	29.67	102	121	P	H
		5150	47.67	-6.33	54	32.49	31.8	13.05	29.67	102	121	A	H
	*	5180	112.8	-	-	97.71	31.68	13.09	29.68	102	121	P	H
	*	5180	102.5	-	-	87.41	31.68	13.09	29.68	102	121	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	55.2	-18.8	74	40.02	31.8	13.05	29.67	379	63	P	V
5180MHz		5150	44.95	-9.05	54	29.77	31.8	13.05	29.67	379	63	A	V
	*	5180	109.31	-	-	94.22	31.68	13.09	29.68	379	63	P	V
	*	5180	99.16	-	-	84.07	31.68	13.09	29.68	379	63	A	V
													V
													V
		5096.2	55.27	-18.73	74	40.18	31.78	12.98	29.67	102	120	P	H
		5146.12	42.85	-11.15	54	27.68	31.8	13.04	29.67	102	120	A	H
	*	5220	113.19	-	-	98.25	31.48	13.15	29.69	102	120	P	H
	*	5220	103.29	-	-	88.35	31.48	13.15	29.69	102	120	A	H
802.11ax		5460	54.13	-19.87	74	38.71	31.62	13.52	29.72	102	120	P	H
HE20 Full		5458.04	42.28	-11.72	54	26.86	31.62	13.52	29.72	102	120	A	H
CH 44		5102.44	54.96	-19.04	74	39.84	31.8	12.99	29.67	372	62	P	V
5220MHz		5147.16	42.66	-11.34	54	27.49	31.8	13.04	29.67	372	62	A	V
	*	5220	108.59	-	-	93.65	31.48	13.15	29.69	372	62	P	V
	*	5220	99.05	-	-	84.11	31.48	13.15	29.69	372	62	A	V
		5436.76	54	-20	74	38.7	31.52	13.5	29.72	372	62	P	V
		5449.92	42.21	-11.79	54	26.82	31.6	13.51	29.72	372	62	A	V

802.11ax HE20 Full CH 48 5240MHz		5070.46	55.01	-18.99	74	40.04	31.68	12.95	29.66	100	119	P	H
		5089.7	42.77	-11.23	54	27.7	31.76	12.97	29.66	100	119	A	H
	*	5240	113.94	-	-	99.09	31.36	13.18	29.69	100	119	P	H
	*	5240	103.44	-	-	88.59	31.36	13.18	29.69	100	119	A	H
		5411.84	53.83	-20.17	74	38.7	31.37	13.48	29.72	100	119	P	H
		5445.16	42.22	-11.78	54	26.86	31.57	13.51	29.72	100	119	A	H
		5083.72	54.94	-19.06	74	39.91	31.73	12.96	29.66	392	61	P	V
		5101.4	42.69	-11.31	54	27.57	31.8	12.99	29.67	392	61	A	V
	*	5240	108.9	-	-	94.05	31.36	13.18	29.69	392	61	P	V
	*	5240	99.17	-	-	84.32	31.36	13.18	29.69	392	61	A	V
		5431.72	54.46	-19.54	74	39.19	31.49	13.5	29.72	392	61	P	V
		5451.04	42.27	-11.73	54	26.88	31.6	13.51	29.72	392	61	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. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	48.33	-19.87	68.2	45.73	39.44	19.39	56.23	100	0	P	H
		15540	47.75	-26.25	74	41.96	37.98	23.22	55.41	100	0	P	H
		10360	48.71	-19.49	68.2	46.11	39.44	19.39	56.23	100	0	P	V
		15540	46.76	-27.24	74	40.97	37.98	23.22	55.41	100	0	P	V
802.11ax HE20 Full CH 44 5220MHz		10440	48.21	-19.99	68.2	45.31	39.68	19.43	56.21	100	0	P	H
		15660	46.02	-27.98	74	40.57	37.56	23.32	55.43	100	0	P	H
		10440	48.99	-19.21	68.2	46.09	39.68	19.43	56.21	100	0	P	V
		15660	46.73	-27.27	74	41.28	37.56	23.32	55.43	100	0	P	V
802.11ax HE20 Full CH 48 5240MHz		10480	48.51	-19.69	68.2	45.5	39.76	19.45	56.2	100	0	P	H
		15720	46.5	-27.5	74	41.21	37.38	23.35	55.44	100	0	P	H
		10480	48.88	-19.32	68.2	45.87	39.76	19.45	56.2	100	0	P	V
		15720	46.33	-27.67	74	41.04	37.38	23.35	55.44	100	0	P	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. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5099.32	54.49	-19.51	74	39.38	31.8	12.98	29.67	100	121	P	H
		5149.5	42.43	-11.57	54	27.25	31.8	13.05	29.67	100	121	A	H
	*	5180	112.97	-	-	97.88	31.68	13.09	29.68	100	121	P	H
	*	5180	102.85	-	-	87.76	31.68	13.09	29.68	100	121	A	H
													H
													H
		5072.54	53.81	-20.19	74	38.83	31.69	12.95	29.66	340	47	P	V
		5150	42.19	-11.81	54	27.01	31.8	13.05	29.67	340	47	A	V
	*	5180	109.68	-	-	94.59	31.68	13.09	29.68	340	47	P	V
	*	5180	100.38	-	-	85.29	31.68	13.09	29.68	340	47	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 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		10360	47.78	-20.42	68.2	45.18	39.44	19.39	56.23	100	0	P	H
		15540	46.68	-27.32	74	40.89	37.98	23.22	55.41	100	0	P	H
		10360	47.73	-20.47	68.2	45.13	39.44	19.39	56.23	100	0	P	V
		15540	47.28	-26.72	74	41.49	37.98	23.22	55.41	100	0	P	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. 11+6	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 38 5190MHz		5143.78	64.16	-9.84	74	48.99	31.8	13.04	29.67	101	121	P	H
		5149.76	49.64	-4.36	54	34.46	31.8	13.05	29.67	101	121	A	H
	*	5190	109.29	-	-	94.23	31.64	13.1	29.68	101	121	P	H
	*	5190	99.01	-	-	83.95	31.64	13.1	29.68	101	121	A	H
		5438.72	53.71	-20.29	74	38.4	31.53	13.5	29.72	101	121	P	H
		5446.84	42.29	-11.71	54	26.92	31.58	13.51	29.72	101	121	A	H
		5143.52	58.16	-15.84	74	42.99	31.8	13.04	29.67	400	59	P	V
		5150	45.24	-8.76	54	30.06	31.8	13.05	29.67	400	59	A	V
	*	5190	105.76	-	-	90.7	31.64	13.1	29.68	400	59	P	V
	*	5190	95.35	-	-	80.29	31.64	13.1	29.68	400	59	A	V
		5445.16	53.94	-20.06	74	38.58	31.57	13.51	29.72	400	59	P	V
		5440.68	42.27	-11.73	54	26.95	31.54	13.5	29.72	400	59	A	V
802.11ax HE40 Full CH 46 5230MHz		5031.46	54.52	-19.48	74	39.72	31.56	12.9	29.66	101	121	P	H
		5150	43.23	-10.77	54	28.05	31.8	13.05	29.67	101	121	A	H
	*	5230	109.78	-	-	94.89	31.42	13.16	29.69	101	121	P	H
	*	5230	99.64	-	-	84.75	31.42	13.16	29.69	101	121	A	H
		5412.68	54.14	-19.86	74	39	31.38	13.48	29.72	101	121	P	H
		5446.84	42.28	-11.72	54	26.91	31.58	13.51	29.72	101	121	A	H
		5080.34	55.69	-18.31	74	40.67	31.72	12.96	29.66	395	61	P	V
		5146.9	42.69	-11.31	54	27.52	31.8	13.04	29.67	395	61	A	V
	*	5230	105.49	-	-	90.6	31.42	13.16	29.69	395	61	P	V
	*	5230	95.9	-	-	81.01	31.42	13.16	29.69	395	61	A	V
		5437.32	54.44	-19.56	74	39.14	31.52	13.5	29.72	395	61	P	V
		5449.64	42.22	-11.78	54	26.83	31.6	13.51	29.72	395	61	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. 11+6	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 38 5190MHz		10380	48.75	-19.45	68.2	46.05	39.52	19.4	56.22	100	0	P	H
		15570	47.69	-26.31	74	41.96	37.89	23.25	55.41	100	0	P	H
		10380	49	-19.2	68.2	46.3	39.52	19.4	56.22	100	0	P	V
		15570	46.91	-27.09	74	41.18	37.89	23.25	55.41	100	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10460	49.88	-18.32	68.2	46.93	39.72	19.44	56.21	100	0	P	H
		15690	46.67	-27.33	74	41.33	37.44	23.34	55.44	100	0	P	H
		10460	49.03	-19.17	68.2	46.08	39.72	19.44	56.21	100	0	P	V
		15690	46.92	-27.08	74	41.58	37.44	23.34	55.44	100	0	P	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 Partial 242 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5150	69.04	-4.96	74	53.86	31.8	13.05	29.67	100	121	P	H
		5148.2	47.56	-6.44	54	32.38	31.8	13.05	29.67	100	121	A	H
	*	5190	110.42	-	-	95.36	31.64	13.1	29.68	100	121	P	H
	*	5190	99.66	-	-	84.6	31.64	13.1	29.68	100	121	A	H
		5418	53.09	-20.91	74	37.91	31.41	13.49	29.72	100	121	P	H
		5447.68	41.73	-12.27	54	26.35	31.59	13.51	29.72	100	121	A	H
		5150	64.67	-9.33	74	49.49	31.8	13.05	29.67	378	54	P	V
		5150	42.73	-11.27	54	27.55	31.8	13.05	29.67	378	54	A	V
	*	5190	107.2	-	-	92.14	31.64	13.1	29.68	378	54	P	V
	*	5190	97.5	-	-	82.44	31.64	13.1	29.68	378	54	A	V
		5421.36	52.96	-21.04	74	37.76	31.43	13.49	29.72	378	54	P	V
		5447.68	41.73	-12.27	54	26.35	31.59	13.51	29.72	378	54	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 Partial 242 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		10380	48.53	-19.67	68.2	45.83	39.52	19.4	56.22	100	0	P	H
		15570	47.13	-26.87	74	41.4	37.89	23.25	55.41	100	0	P	H
		10380	48.33	-19.87	68.2	45.63	39.52	19.4	56.22	100	0	P	V
		15570	46.97	-27.03	74	41.24	37.89	23.25	55.41	100	0	P	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. 11+6	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		5140.14	61.91	-12.09	74	46.74	31.8	13.04	29.67	101	122	P	H
		5150	48.19	-5.81	54	33.01	31.8	13.05	29.67	101	122	A	H
	*	5210	105.11	-	-	90.12	31.54	13.13	29.68	101	122	P	H
	*	5210	95.47	-	-	80.48	31.54	13.13	29.68	101	122	A	H
		5398.4	53.73	-20.27	74	38.68	31.29	13.47	29.71	101	122	P	H
		5455.24	42.27	-11.73	54	26.86	31.61	13.52	29.72	101	122	A	H
		5150	58.31	-15.69	74	43.13	31.8	13.05	29.67	399	60	P	V
		5149.76	44.63	-9.37	54	29.45	31.8	13.05	29.67	399	60	A	V
	*	5210	101.5	-	-	86.51	31.54	13.13	29.68	399	60	P	V
	*	5210	91.73	-	-	76.74	31.54	13.13	29.68	399	60	A	V
		5441.8	53.4	-20.6	74	38.06	31.55	13.51	29.72	399	60	P	V
		5460	42.23	-11.77	54	26.81	31.62	13.52	29.72	399	60	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. 11+6	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		10420	49.35	-18.85	68.2	46.51	39.64	19.42	56.22	100	0	P	H
		15630	46.04	-27.96	74	40.5	37.68	23.29	55.43	100	0	P	H
		10420	48.8	-19.4	68.2	45.96	39.64	19.42	56.22	100	0	P	V
		15630	46.27	-27.73	74	40.73	37.68	23.29	55.43	100	0	P	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 Partial 484 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5149.5	69.88	-4.12	74	54.7	31.8	13.05	29.67	100	121	P	H
		5149.5	45.05	-8.95	54	29.87	31.8	13.05	29.67	100	121	A	H
	*	5210	107.11	-	-	92.12	31.54	13.13	29.68	100	121	P	H
	*	5210	96.6	-	-	81.61	31.54	13.13	29.68	100	121	A	H
		5428.92	53.21	-20.79	74	37.97	31.47	13.49	29.72	100	121	P	H
		5447.4	41.76	-12.24	54	26.39	31.58	13.51	29.72	100	121	A	H
		5146.12	60.24	-13.76	74	45.07	31.8	13.04	29.67	338	46	P	V
		5149.5	43.52	-10.48	54	28.34	31.8	13.05	29.67	338	46	A	V
	*	5210	104.38	-	-	89.39	31.54	13.13	29.68	338	46	P	V
	*	5210	93.93	-	-	78.94	31.54	13.13	29.68	338	46	A	V
		5353.88	53.54	-20.46	74	38.74	31.12	13.39	29.71	338	46	P	V
		5458.88	41.74	-12.26	54	26.32	31.62	13.52	29.72	338	46	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 Partial 484 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		10420	48.32	-19.88	68.2	45.48	39.64	19.42	56.22	100	0	P	H
		15630	47.23	-26.77	74	41.69	37.68	23.29	55.43	100	0	P	H
		10420	48.3	-19.9	68.2	45.46	39.64	19.42	56.22	100	0	P	V
		15630	46.61	-27.39	74	41.07	37.68	23.29	55.43	100	0	P	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. 11+6	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		5075.48	54.12	-19.88	74	39.13	31.7	12.95	29.66	100	120	P	H
		5104.38	42.56	-11.44	54	27.44	31.8	12.99	29.67	100	120	A	H
	*	5260	113.74	-	-	98.93	31.28	13.22	29.69	100	120	P	H
	*	5260	105.6	-	-	90.79	31.28	13.22	29.69	100	120	A	H
		5430.24	53.4	-20.6	74	38.14	31.48	13.5	29.72	100	120	P	H
		5451.12	41.93	-12.07	54	26.54	31.6	13.51	29.72	100	120	A	H
		5069.7	53.83	-20.17	74	38.86	31.68	12.95	29.66	344	55	P	V
		5105.74	42.49	-11.51	54	27.37	31.8	12.99	29.67	344	55	A	V
	*	5260	109.16	-	-	94.35	31.28	13.22	29.69	344	55	P	V
	*	5260	101.47	-	-	86.66	31.28	13.22	29.69	344	55	A	V
		5425.92	53.93	-20.07	74	38.7	31.46	13.49	29.72	344	55	P	V
		5452.32	41.97	-12.03	54	26.58	31.6	13.51	29.72	344	55	A	V
802.11a CH 60 5300MHz		5146.2	53.94	-20.06	74	38.77	31.8	13.04	29.67	102	121	P	H
		5149.6	43.12	-10.88	54	27.94	31.8	13.05	29.67	102	121	A	H
	*	5300	113.32	-	-	98.53	31.2	13.29	29.7	102	121	P	H
	*	5300	105.9	-	-	91.11	31.2	13.29	29.7	102	121	A	H
		5404.56	53.64	-20.36	74	38.55	31.33	13.47	29.71	102	121	P	H
		5448	42.39	-11.61	54	27.01	31.59	13.51	29.72	102	121	A	H
		5149.94	53.85	-20.15	74	38.67	31.8	13.05	29.67	343	53	P	V
		5145.86	42.79	-11.21	54	27.62	31.8	13.04	29.67	343	53	A	V
	*	5300	108.94	-	-	94.15	31.2	13.29	29.7	343	53	P	V
	*	5300	101.69	-	-	86.9	31.2	13.29	29.7	343	53	A	V
		5352.72	54.98	-19.02	74	40.2	31.11	13.38	29.71	343	53	P	V
		5452.56	42.27	-11.73	54	26.87	31.61	13.51	29.72	343	53	A	V

802.11a CH 64 5320MHz	*	5320	112.96	-	-	98.17	31.16	13.33	29.7	101	121	P	H
	*	5320	105.51	-	-	90.72	31.16	13.33	29.7	101	121	A	H
		5350.24	57.48	-16.52	74	42.71	31.1	13.38	29.71	101	121	P	H
		5350.08	48.11	-5.89	54	33.34	31.1	13.38	29.71	101	121	A	H
													H
													H
	*	5320	108.04	-	-	93.25	31.16	13.33	29.7	358	64	P	V
	*	5320	100.07	-	-	85.28	31.16	13.33	29.7	358	64	A	V
		5350.72	55.75	-18.25	74	40.98	31.1	13.38	29.71	358	64	P	V
		5350.08	45.68	-8.32	54	30.91	31.1	13.38	29.71	358	64	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. 11+6	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	48.11	-20.09	68.2	45	39.8	19.49	56.18	100	0	P	H
		15780	45.59	-28.41	74	40.33	37.32	23.4	55.46	100	0	P	H
		10520	48.95	-19.25	68.2	45.84	39.8	19.49	56.18	100	0	P	V
		15780	46.59	-27.41	74	41.33	37.32	23.4	55.46	100	0	P	V
802.11a CH 60 5300MHz		10600	49.01	-24.99	74	45.8	39.8	19.53	56.12	100	0	P	H
		15900	46.38	-27.62	74	40.87	37.5	23.49	55.48	100	0	P	H
													H
													H
		10600	49.52	-24.48	74	46.31	39.8	19.53	56.12	100	0	P	V
		15900	45.72	-28.28	74	40.21	37.5	23.49	55.48	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.31	-24.69	74	46.05	39.8	19.55	56.09	100	0	P	H
		15960	46.04	-27.96	74	40.68	37.32	23.53	55.49	100	0	P	H
		10640	49.26	-24.74	74	46	39.8	19.55	56.09	100	0	P	V
		15960	46.83	-27.17	74	41.47	37.32	23.53	55.49	100	0	P	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 HE20 Full (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5109.82	54.05	-19.95	74	38.92	31.8	13	29.67	102	120	P	H
		5103.7	42.95	-11.05	54	27.83	31.8	12.99	29.67	102	120	A	H
	*	5260	112.91	-	-	98.1	31.28	13.22	29.69	102	120	P	H
	*	5260	103.32	-	-	88.51	31.28	13.22	29.69	102	120	A	H
		5366.64	53.89	-20.11	74	39.02	31.17	13.41	29.71	102	120	P	H
		5452.8	42.3	-11.7	54	26.9	31.61	13.51	29.72	102	120	A	H
		5104.72	54.48	-19.52	74	39.36	31.8	12.99	29.67	346	64	P	V
		5109.14	42.79	-11.21	54	27.66	31.8	13	29.67	346	64	A	V
	*	5260	108.85	-	-	94.04	31.28	13.22	29.69	346	64	P	V
	*	5260	98.75	-	-	83.94	31.28	13.22	29.69	346	64	A	V
		5356.8	54.11	-19.89	74	39.3	31.13	13.39	29.71	346	64	P	V
		5455.2	42.27	-11.73	54	26.86	31.61	13.52	29.72	346	64	A	V
802.11ax HE20 Full CH 60 5300MHz		5047.94	53.79	-20.21	74	38.93	31.6	12.92	29.66	107	120	P	H
		5149.26	42.96	-11.04	54	27.78	31.8	13.05	29.67	107	120	A	H
	*	5300	112.46	-	-	97.67	31.2	13.29	29.7	107	120	P	H
	*	5300	103.21	-	-	88.42	31.2	13.29	29.7	107	120	A	H
		5404.08	53.92	-20.08	74	38.84	31.32	13.47	29.71	107	120	P	H
		5454	42.35	-11.65	54	26.94	31.61	13.52	29.72	107	120	A	H
		5139.74	53.65	-20.35	74	38.49	31.8	13.03	29.67	361	62	P	V
		5145.18	42.78	-11.22	54	27.61	31.8	13.04	29.67	361	62	A	V
	*	5300	109.42	-	-	94.63	31.2	13.29	29.7	361	62	P	V
	*	5300	99.52	-	-	84.73	31.2	13.29	29.7	361	62	A	V
		5361.12	53.82	-20.18	74	38.99	31.14	13.4	29.71	361	62	P	V
		5450.64	42.26	-11.74	54	26.87	31.6	13.51	29.72	361	62	A	V

	*	5320	113.41	-	-	98.62	31.16	13.33	29.7	101	122	P	H
	*	5320	103.37	-	-	88.58	31.16	13.33	29.7	101	122	A	H
		5350.08	56.95	-17.05	74	42.18	31.1	13.38	29.71	101	122	P	H
		5350.08	47.33	-6.67	54	32.56	31.1	13.38	29.71	101	122	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.56	-	-	93.77	31.16	13.33	29.7	399	59	P	V
5320MHz	*	5320	98.88	-	-	84.09	31.16	13.33	29.7	399	59	A	V
		5351.84	57.46	-16.54	74	42.68	31.11	13.38	29.71	399	59	P	V
		5350.08	45.18	-8.82	54	30.41	31.1	13.38	29.71	399	59	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 HE20 Full (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	48.7	-19.5	68.2	45.59	39.8	19.49	56.18	100	0	P	H
		15780	46.11	-27.89	74	40.85	37.32	23.4	55.46	100	0	P	H
		10520	49.3	-18.9	68.2	46.19	39.8	19.49	56.18	100	0	P	V
		15780	45.88	-28.12	74	40.62	37.32	23.4	55.46	100	0	P	V
802.11ax HE20 Full CH 60 5300MHz		10600	48.54	-25.46	74	45.33	39.8	19.53	56.12	100	0	P	H
		15900	46.48	-27.52	74	40.97	37.5	23.49	55.48	100	0	P	H
		10600	48.6	-25.4	74	45.39	39.8	19.53	56.12	100	0	P	V
		15900	47.33	-26.67	74	41.82	37.5	23.49	55.48	100	0	P	V
802.11ax HE20 Full CH 64 5320MHz		10640	49.11	-24.89	74	45.85	39.8	19.55	56.09	100	0	P	H
		15960	45.65	-28.35	74	40.29	37.32	23.53	55.49	100	0	P	H
		10640	48.44	-25.56	74	45.18	39.8	19.55	56.09	100	0	P	V
		15960	46.18	-27.82	74	40.82	37.32	23.53	55.49	100	0	P	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 HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz	*	5320	111.93	-	-	97.14	31.16	13.33	29.7	100	120	P	H
	*	5320	102.68	-	-	87.89	31.16	13.33	29.7	100	120	A	H
		5452.16	53.47	-20.53	74	38.08	31.6	13.51	29.72	100	120	P	H
		5448	41.72	-12.28	54	26.34	31.59	13.51	29.72	100	120	A	H
													H
													H
	*	5320	109.41	-	-	94.62	31.16	13.33	29.7	359	55	P	V
	*	5320	99.48	-	-	84.69	31.16	13.33	29.7	359	55	A	V
		5442.72	53.46	-20.54	74	38.11	31.56	13.51	29.72	359	55	P	V
		5456.16	41.71	-12.29	54	26.3	31.61	13.52	29.72	359	55	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 HE20 Partial 106 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz		10640	48.44	-25.56	74	45.18	39.8	19.55	56.09	100	0	P	H
		15960	46.05	-27.95	74	40.69	37.32	23.53	55.49	100	0	P	H
		10640	48.06	-25.94	74	44.8	39.8	19.55	56.09	100	0	P	V
		15960	46.03	-27.97	74	40.67	37.32	23.53	55.49	100	0	P	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. 11+6	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 54 5270MHz		5104.04	54.33	-19.67	74	39.21	31.8	12.99	29.67	101	121	P	H
		5110.16	42.8	-11.2	54	27.67	31.8	13	29.67	101	121	A	H
	*	5270	109.48	-	-	94.67	31.26	13.24	29.69	101	121	P	H
	*	5270	100.04	-	-	85.23	31.26	13.24	29.69	101	121	A	H
		5398.8	54.83	-19.17	74	39.77	31.3	13.47	29.71	101	121	P	H
		5457.12	42.29	-11.71	54	26.88	31.61	13.52	29.72	101	121	A	H
													V
		5087.38	53.85	-20.15	74	38.79	31.75	12.97	29.66	344	54	P	V
		5122.74	42.73	-11.27	54	27.59	31.8	13.01	29.67	344	54	A	V
	*	5270	106.6	-	-	91.79	31.26	13.24	29.69	344	54	P	V
	*	5270	96.01	-	-	81.2	31.26	13.24	29.69	344	54	A	V
		5388.24	54.65	-19.35	74	39.66	31.25	13.45	29.71	344	54	P	V
802.11ax HE40 Full CH 62 5310MHz		5116.62	53.72	-20.28	74	38.58	31.8	13.01	29.67	101	122	P	H
		5149.26	42.72	-11.28	54	27.54	31.8	13.05	29.67	101	122	A	H
	*	5310	108.38	-	-	93.59	31.18	13.31	29.7	101	122	P	H
	*	5310	99.32	-	-	84.53	31.18	13.31	29.7	101	122	A	H
		5354.4	59.49	-14.51	74	44.69	31.12	13.39	29.71	101	122	P	H
		5350.08	48.69	-5.31	54	33.92	31.1	13.38	29.71	101	122	A	H
		5149.26	53.12	-20.88	74	37.94	31.8	13.05	29.67	342	54	P	V
		5148.58	42.66	-11.34	54	27.48	31.8	13.05	29.67	342	54	A	V
	*	5310	106.18	-	-	91.39	31.18	13.31	29.7	342	54	P	V
	*	5310	95.31	-	-	80.52	31.18	13.31	29.7	342	54	A	V
		5350.32	58.99	-15.01	74	44.22	31.1	13.38	29.71	342	54	P	V
		5350.08	45.42	-8.58	54	30.65	31.1	13.38	29.71	342	54	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. 11+6	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 54 5270MHz		10540	48.21	-19.99	68.2	45.08	39.8	19.5	56.17	100	0	P	H
		15810	45.61	-28.39	74	40.33	37.32	23.42	55.46	100	0	P	H
		10540	47.81	-20.39	68.2	44.68	39.8	19.5	56.17	100	0	P	V
		15810	46.03	-27.97	74	40.75	37.32	23.42	55.46	100	0	P	V
802.11ax HE40 Full CH 62 5310MHz		10620	49.17	-24.83	74	45.93	39.8	19.54	56.1	100	0	P	H
		15930	46.1	-27.9	74	40.67	37.41	23.51	55.49	100	0	P	H
		10620	49.11	-24.89	74	45.87	39.8	19.54	56.1	100	0	P	V
		15930	46.39	-27.61	74	40.96	37.41	23.51	55.49	100	0	P	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 Partial 242 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5056.78	53.27	-20.73	74	38.37	31.63	12.93	29.66	100	120	P	H
		5148.24	42.06	-11.94	54	26.88	31.8	13.05	29.67	100	120	A	H
	*	5310	109.83	-	-	95.04	31.18	13.31	29.7	100	120	P	H
	*	5310	99.3	-	-	84.51	31.18	13.31	29.7	100	120	A	H
		5358.96	61.89	-12.11	74	47.06	31.14	13.4	29.71	100	120	P	H
		5353.44	42.11	-11.89	54	27.32	31.11	13.39	29.71	100	120	A	H
		5126.14	54.85	-19.15	74	39.7	31.8	13.02	29.67	361	53	P	V
		5105.06	42.02	-11.98	54	26.9	31.8	12.99	29.67	361	53	A	V
	*	5310	106.96	-	-	92.17	31.18	13.31	29.7	361	53	P	V
	*	5310	96.35	-	-	81.56	31.18	13.31	29.7	361	53	A	V
		5356.32	56.54	-17.46	74	41.73	31.13	13.39	29.71	361	53	P	V
		5456.16	41.7	-12.3	54	26.29	31.61	13.52	29.72	361	53	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 Partial 242 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		10620	48.1	-25.9	74	44.86	39.8	19.54	56.1	100	0	P	H
		15930	46.71	-27.29	74	41.28	37.41	23.51	55.49	100	0	P	H
		10620	48.91	-25.09	74	45.67	39.8	19.54	56.1	100	0	P	V
		15930	46.03	-27.97	74	40.6	37.41	23.51	55.49	100	0	P	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. 11+6	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 58 5290MHz		5042.84	54.21	-19.79	74	39.37	31.59	12.91	29.66	100	122	P	H
		5149.94	42.84	-11.16	54	27.66	31.8	13.05	29.67	100	122	A	H
	*	5290	105.31	-	-	90.52	31.22	13.27	29.7	100	122	P	H
	*	5290	95.63	-	-	80.84	31.22	13.27	29.7	100	122	A	H
		5352	59.97	-14.03	74	45.19	31.11	13.38	29.71	100	122	P	H
		5351.28	48.35	-5.65	54	33.57	31.11	13.38	29.71	100	122	A	H
		5126.82	54.62	-19.38	74	39.47	31.8	13.02	29.67	346	53	P	V
		5142.8	42.72	-11.28	54	27.55	31.8	13.04	29.67	346	53	A	V
	*	5290	100.97	-	-	86.18	31.22	13.27	29.7	346	53	P	V
	*	5290	91.51	-	-	76.72	31.22	13.27	29.7	346	53	A	V
		5350.56	55.98	-18.02	74	41.21	31.1	13.38	29.71	346	53	P	V
		5350.32	44.94	-9.06	54	30.17	31.1	13.38	29.71	346	53	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. 11+6	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 58 5290MHz		10580	48.39	-19.81	68.2	45.21	39.8	19.52	56.14	100	0	P	H
		15870	46.32	-27.68	74	40.88	37.44	23.47	55.47	100	0	P	H
		10580	49.38	-18.82	68.2	46.2	39.8	19.52	56.14	100	0	P	V
		15870	46.38	-27.62	74	40.94	37.44	23.47	55.47	100	0	P	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 Partial 484 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5029.92	53.25	-20.75	74	38.44	31.56	12.9	29.65	100	118	P	H
		5142.12	42.11	-11.89	54	26.94	31.8	13.04	29.67	100	118	A	H
	*	5290	104.81	-	-	90.02	31.22	13.27	29.7	100	118	P	H
	*	5290	96	-	-	81.21	31.22	13.27	29.7	100	118	A	H
		5373.36	65.71	-8.29	74	50.81	31.19	13.42	29.71	100	118	P	H
		5350.32	44.41	-9.59	54	29.64	31.1	13.38	29.71	100	118	A	H
		5122.74	53.64	-20.36	74	38.5	31.8	13.01	29.67	360	55	P	V
		5095.2	42.06	-11.94	54	26.97	31.78	12.98	29.67	360	55	A	V
	*	5290	103.07	-	-	88.28	31.22	13.27	29.7	360	55	P	V
	*	5290	93.12	-	-	78.33	31.22	13.27	29.7	360	55	A	V
		5357.76	57.01	-16.99	74	42.2	31.13	13.39	29.71	360	55	P	V
		5350.08	42.44	-11.56	54	27.67	31.1	13.38	29.71	360	55	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 Partial 484 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		10580	47.75	-20.45	68.2	44.57	39.8	19.52	56.14	100	0	P	H
		15870	46.31	-27.69	74	40.87	37.44	23.47	55.47	100	0	P	H
		10580	48.29	-19.91	68.2	45.11	39.8	19.52	56.14	100	0	P	V
		15870	46.39	-27.61	74	40.95	37.44	23.47	55.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 11+6	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		5442.64	54.32	-19.68	74	38.97	31.56	13.51	29.72	100	118	P	H
		5469.52	60.97	-7.23	68.2	45.53	31.64	13.53	29.73	100	118	P	H
		5459.92	42.62	-11.38	54	27.2	31.62	13.52	29.72	100	118	A	H
	*	5500	112.81	-	-	97.28	31.7	13.56	29.73	100	118	P	H
	*	5500	105.33	-	-	89.8	31.7	13.56	29.73	100	118	A	H
													H
		5408.4	54.15	-19.85	74	39.04	31.35	13.48	29.72	355	50	P	V
		5469.52	56.72	-11.48	68.2	41.28	31.64	13.53	29.73	355	50	P	V
		5459.92	41.94	-12.06	54	26.52	31.62	13.52	29.72	355	50	A	V
	*	5500	109.29	-	-	93.76	31.7	13.56	29.73	355	50	P	V
	*	5500	101.7	-	-	86.17	31.7	13.56	29.73	355	50	A	V
													V
802.11a CH 116 5580MHz		5386.72	53.83	-20.17	74	38.84	31.25	13.45	29.71	101	119	P	H
		5468.56	52.71	-15.49	68.2	37.26	31.64	13.53	29.72	101	119	P	H
		5429.92	42.06	-11.94	54	26.8	31.48	13.5	29.72	101	119	A	H
	*	5580	112.95	-	-	97.43	31.66	13.62	29.76	101	119	P	H
	*	5580	105.44	-	-	89.92	31.66	13.62	29.76	101	119	A	H
		5733.185	54.11	-14.09	68.2	38.27	31.9	13.76	29.82	101	119	P	H
		5446.72	53.19	-20.81	74	37.82	31.58	13.51	29.72	326	52	P	V
		5465.92	53.74	-14.46	68.2	38.3	31.63	13.53	29.72	326	52	P	V
		5459.2	41.71	-12.29	54	26.29	31.62	13.52	29.72	326	52	A	V
	*	5580	108.95	-	-	93.43	31.66	13.62	29.76	326	52	P	V
	*	5580	101.74	-	-	86.22	31.66	13.62	29.76	326	52	A	V
		5736.965	54.39	-13.81	68.2	38.53	31.92	13.76	29.82	326	52	P	V

802.11a CH 140 5700MHz	*	5700	112.32	-	-	96.7	31.7	13.73	29.81	100	117	P	H
	*	5700	105.12	-	-	89.5	31.7	13.73	29.81	100	117	A	H
		5725.4	60.66	-7.54	68.2	44.88	31.85	13.75	29.82	100	117	P	H
													H
													H
													H
	*	5700	109.27	-	-	93.65	31.7	13.73	29.81	388	34	P	V
	*	5700	101.61	-	-	85.99	31.7	13.73	29.81	388	34	A	V
		5728.2	56.38	-11.82	68.2	40.57	31.87	13.76	29.82	388	34	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. 11+6	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	49.07	-24.93	74	45.02	40.1	19.75	55.8	100	0	P	H
		16500	47.93	-20.27	68.2	40.31	39	24.32	55.7	100	0	P	H
													H
													H
		11000	49.78	-24.22	74	45.73	40.1	19.75	55.8	100	0	P	V
		16500	47.19	-21.01	68.2	39.57	39	24.32	55.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	49.01	-24.99	74	45.02	39.82	19.87	55.7	100	0	P	H
		16740	50.08	-18.12	68.2	41.69	39.74	24.69	56.04	100	0	P	H
		11160	49.14	-24.86	74	45.15	39.82	19.87	55.7	100	0	P	V
		16740	49.74	-18.46	68.2	41.35	39.74	24.69	56.04	100	0	P	V
802.11a CH 140 5700MHz		11400	48.49	-25.51	74	44.01	40	20.04	55.56	100	0	P	H
		17100	47.82	-20.38	68.2	38.85	40.4	25.11	56.54	100	0	P	H
		11400	49.34	-24.66	74	44.86	40	20.04	55.56	100	0	P	V
		17100	49.24	-18.96	68.2	40.27	40.4	25.11	56.54	100	0	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 HE20 Full (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5418.64	53.91	-20.09	74	38.73	31.41	13.49	29.72	100	120	P	H
		5469.36	59.99	-8.21	68.2	44.55	31.64	13.53	29.73	100	120	P	H
		5460	42.52	-11.48	54	27.1	31.62	13.52	29.72	100	120	A	H
	*	5500	113.1	-	-	97.57	31.7	13.56	29.73	100	120	P	H
	*	5500	103.29	-	-	87.76	31.7	13.56	29.73	100	120	A	H
		5439.28	54.65	-19.35	74	39.33	31.54	13.5	29.72	354	49	P	V
		5469.84	55.26	-12.94	68.2	39.82	31.64	13.53	29.73	354	49	P	V
		5458.8	41.89	-12.11	54	26.47	31.62	13.52	29.72	354	49	A	V
	*	5500	109.4	-	-	93.87	31.7	13.56	29.73	354	49	P	V
	*	5500	99.29	-	-	83.76	31.7	13.56	29.73	354	49	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5422.24	53.87	-20.13	74	38.67	31.43	13.49	29.72	100	119	P	H
		5462.56	53.3	-14.9	68.2	37.87	31.63	13.52	29.72	100	119	P	H
		5433.52	41.85	-12.15	54	26.57	31.5	13.5	29.72	100	119	A	H
	*	5580	113.31	-	-	97.79	31.66	13.62	29.76	100	119	P	H
	*	5580	103.23	-	-	87.71	31.66	13.62	29.76	100	119	A	H
		5748.305	53.6	-14.6	68.2	37.66	31.99	13.77	29.82	100	119	P	H
		5374.72	53.17	-20.83	74	38.26	31.2	13.42	29.71	325	53	P	V
		5464.24	53.3	-14.9	68.2	37.87	31.63	13.52	29.72	325	53	P	V
		5434.72	41.75	-12.25	54	26.46	31.51	13.5	29.72	325	53	A	V
	*	5580	109.59	-	-	94.07	31.66	13.62	29.76	325	53	P	V
	*	5580	99.33	-	-	83.81	31.66	13.62	29.76	325	53	A	V
		5750.195	53.72	-14.48	68.2	37.77	32	13.78	29.83	325	53	P	V

	*	5700	112.98	-	-	97.36	31.7	13.73	29.81	100	117	P	H
	*	5700	102.87	-	-	87.25	31.7	13.73	29.81	100	117	A	H
		5725.08	61.31	-6.89	68.2	45.53	31.85	13.75	29.82	100	117	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	108.23	-	-	92.61	31.7	13.73	29.81	365	57	P	V
5700MHz	*	5700	98.62	-	-	83	31.7	13.73	29.81	365	57	A	V
		5725.16	56.81	-11.39	68.2	41.03	31.85	13.75	29.82	365	57	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 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	47.98	-26.02	74	43.93	40.1	19.75	55.8	100	0	P	H
		16500	46.78	-21.42	68.2	39.16	39	24.32	55.7	100	0	P	H
		11000	47.6	-26.4	74	43.55	40.1	19.75	55.8	100	0	P	V
		16500	46.77	-21.43	68.2	39.15	39	24.32	55.7	100	0	P	V
802.11ax HE20 Full CH 116 5580MHz		11160	47.39	-26.61	74	43.4	39.82	19.87	55.7	100	0	P	H
		16740	48.4	-19.8	68.2	40.01	39.74	24.69	56.04	100	0	P	H
		11160	47.83	-26.17	74	43.84	39.82	19.87	55.7	100	0	P	V
		16740	49.51	-18.69	68.2	41.12	39.74	24.69	56.04	100	0	P	V
802.11ax HE20 Full CH 140 5700MHz		11400	48.15	-25.85	74	43.67	40	20.04	55.56	100	0	P	H
		17100	47.99	-20.21	68.2	39.02	40.4	25.11	56.54	100	0	P	H
		11400	48.32	-25.68	74	43.84	40	20.04	55.56	100	0	P	V
		17100	48.62	-19.58	68.2	39.65	40.4	25.11	56.54	100	0	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 HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5437.04	53.96	-20.04	74	38.66	31.52	13.5	29.72	100	120	P	H
		5461.52	54.23	-13.97	68.2	38.81	31.62	13.52	29.72	100	120	P	H
		5456.88	41.76	-12.24	54	26.35	31.61	13.52	29.72	100	120	A	H
	*	5500	113.22	-	-	97.69	31.7	13.56	29.73	100	120	P	H
	*	5500	103.74	-	-	88.21	31.7	13.56	29.73	100	120	A	H
													H
		5447.12	54.95	-19.05	74	39.58	31.58	13.51	29.72	356	54	P	V
		5466.16	53.27	-14.93	68.2	37.83	31.63	13.53	29.72	356	54	P	V
		5456.88	41.66	-12.34	54	26.25	31.61	13.52	29.72	356	54	A	V
	*	5500	110.45	-	-	94.92	31.7	13.56	29.73	356	54	P	V
	*	5500	100.83	-	-	85.3	31.7	13.56	29.73	356	54	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	113.43	-	-	97.81	31.7	13.73	29.81	100	118	P	H
	*	5700	103.71	-	-	88.09	31.7	13.73	29.81	100	118	A	H
		5725.24	62.25	-5.95	68.2	46.47	31.85	13.75	29.82	100	118	P	H
													H
													H
													H
	*	5700	110.76	-	-	95.14	31.7	13.73	29.81	349	54	P	V
	*	5700	101.09	-	-	85.47	31.7	13.73	29.81	349	54	A	V
		5725	58.12	-10.08	68.2	42.34	31.85	13.75	29.82	349	54	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 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		11000	49.27	-24.73	74	45.22	40.1	19.75	55.8	100	0	P	H
		16500	47.98	-20.22	68.2	40.36	39	24.32	55.7	100	0	P	H
		11000	48.8	-25.2	74	44.75	40.1	19.75	55.8	100	0	P	V
		16500	47.91	-20.29	68.2	40.29	39	24.32	55.7	100	0	P	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		11400	48.13	-25.87	74	43.65	40	20.04	55.56	100	0	P	H
		17100	48.71	-19.49	68.2	39.74	40.4	25.11	56.54	100	0	P	H
		11400	48.34	-25.66	74	43.86	40	20.04	55.56	100	0	P	V
		17100	48.15	-20.05	68.2	39.18	40.4	25.11	56.54	100	0	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 (Band Edge @ 3m)

WIFI Ant. 11+6	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 102 5510MHz		5456.8	59.5	-14.5	74	44.09	31.61	13.52	29.72	100	120	P	H
		5469.28	64.4	-3.8	68.2	48.96	31.64	13.53	29.73	100	120	P	H
		5459.92	46.47	-7.53	54	31.05	31.62	13.52	29.72	100	120	A	H
	*	5510	110.09	-	-	94.58	31.68	13.56	29.73	100	120	P	H
	*	5510	99.41	-	-	83.9	31.68	13.56	29.73	100	120	A	H
		5735.075	54.67	-13.53	68.2	38.82	31.91	13.76	29.82	100	120	P	H
		5459.68	55.73	-18.27	74	40.31	31.62	13.52	29.72	351	71	P	V
		5469.76	59.87	-8.33	68.2	44.43	31.64	13.53	29.73	351	71	P	V
		5459.92	43.31	-10.69	54	27.89	31.62	13.52	29.72	351	71	A	V
	*	5510	106.51	-	-	91	31.68	13.56	29.73	351	71	P	V
	*	5510	95.14	-	-	79.63	31.68	13.56	29.73	351	71	A	V
		5731.925	55.6	-12.6	68.2	39.77	31.89	13.76	29.82	351	71	P	V
802.11ax HE40 Full CH 110 5550MHz		5433.04	54.08	-19.92	74	38.8	31.5	13.5	29.72	100	120	P	H
		5469.28	52.74	-15.46	68.2	37.3	31.64	13.53	29.73	100	120	P	H
		5456.32	41.8	-12.2	54	26.39	31.61	13.52	29.72	100	120	A	H
	*	5550	109.69	-	-	94.24	31.6	13.6	29.75	100	120	P	H
	*	5550	99.19	-	-	83.74	31.6	13.6	29.75	100	120	A	H
		5750.825	54.23	-13.97	68.2	38.28	32	13.78	29.83	100	120	P	H
		5457.76	54.01	-19.99	74	38.59	31.62	13.52	29.72	331	52	P	V
		5460.16	52.87	-15.33	68.2	37.45	31.62	13.52	29.72	331	52	P	V
		5458.48	41.72	-12.28	54	26.3	31.62	13.52	29.72	331	52	A	V
	*	5550	106.2	-	-	90.75	31.6	13.6	29.75	331	52	P	V
	*	5550	94.95	-	-	79.5	31.6	13.6	29.75	331	52	A	V
		5737.91	53.96	-14.24	68.2	38.09	31.93	13.76	29.82	331	52	P	V

802.11ax HE40 Full CH 134 5670MHz		5404.6	53.29	-20.71	74	38.2	31.33	13.47	29.71	100	120	P	H
		5462.35	52.04	-16.16	68.2	36.62	31.62	13.52	29.72	100	120	P	H
		5456.05	41.76	-12.24	54	26.35	31.61	13.52	29.72	100	120	A	H
	*	5670	109.8	-	-	94.25	31.64	13.7	29.79	100	120	P	H
	*	5670	98.75	-	-	83.2	31.64	13.7	29.79	100	120	A	H
		5727.9	54.93	-13.27	68.2	39.12	31.87	13.76	29.82	100	120	P	H
		5432.25	53.24	-20.76	74	37.97	31.49	13.5	29.72	369	59	P	V
		5463.05	52.46	-15.74	68.2	37.03	31.63	13.52	29.72	369	59	P	V
		5454.3	41.68	-12.32	54	26.27	31.61	13.52	29.72	369	59	A	V
	*	5670	105.08	-	-	89.53	31.64	13.7	29.79	369	59	P	V
	*	5670	95.17	-	-	79.62	31.64	13.7	29.79	369	59	A	V
		5761.85	54.88	-13.32	68.2	38.92	32	13.79	29.83	369	59	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. 11+6	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 102 5510MHz		11020	47.91	-26.09	74	43.86	40.08	19.76	55.79	100	0	P	H
		16530	47.21	-20.99	68.2	39.47	39.12	24.36	55.74	100	0	P	H
		11020	48.68	-25.32	74	44.63	40.08	19.76	55.79	100	0	P	V
		16530	47.03	-21.17	68.2	39.29	39.12	24.36	55.74	100	0	P	V
802.11ax HE40 Full CH 110 5550MHz		11100	47.81	-26.19	74	43.73	40	19.82	55.74	100	0	P	H
		16650	48.95	-19.25	68.2	40.87	39.45	24.54	55.91	100	0	P	H
		11100	47.39	-26.61	74	43.31	40	19.82	55.74	100	0	P	V
		16650	48.24	-19.96	68.2	40.16	39.45	24.54	55.91	100	0	P	V
802.11ax HE40 Full CH 134 5670MHz		11340	48.23	-25.77	74	44.01	39.82	20	55.6	100	0	P	H
		17010	49.14	-19.06	68.2	39.98	40.49	25.08	56.41	100	0	P	H
		11340	49.23	-24.77	74	45.01	39.82	20	55.6	100	0	P	V
		17010	49.07	-19.13	68.2	39.91	40.49	25.08	56.41	100	0	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 Partial 242 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5459.2	61.45	-12.55	74	46.03	31.62	13.52	29.72	100	119	P	H
		5464.48	63.71	-4.49	68.2	48.28	31.63	13.52	29.72	100	119	P	H
		5458.96	42.05	-11.95	54	26.63	31.62	13.52	29.72	100	119	A	H
	*	5510	111.19	-	-	95.68	31.68	13.56	29.73	100	119	P	H
	*	5510	100.47	-	-	84.96	31.68	13.56	29.73	100	119	A	H
		5734.76	54.59	-13.61	68.2	38.74	31.91	13.76	29.82	100	119	P	H
		5445.52	54.7	-19.3	74	39.34	31.57	13.51	29.72	354	53	P	V
		5469.76	59.8	-8.4	68.2	44.36	31.64	13.53	29.73	354	53	P	V
		5455.84	41.73	-12.27	54	26.32	31.61	13.52	29.72	354	53	A	V
	*	5510	108.22	-	-	92.71	31.68	13.56	29.73	354	53	P	V
	*	5510	97.7	-	-	82.19	31.68	13.56	29.73	354	53	A	V
		5753.975	54.27	-13.93	68.2	38.32	32	13.78	29.83	354	53	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5408.1	53.58	-20.42	74	38.47	31.35	13.48	29.72	100	120	P	H
		5462	52.98	-15.22	68.2	37.56	31.62	13.52	29.72	100	120	P	H
		5455.35	41.68	-12.32	54	26.27	31.61	13.52	29.72	100	120	A	H
	*	5670	109.92	-	-	94.37	31.64	13.7	29.79	100	120	P	H
	*	5670	100.03	-	-	84.48	31.64	13.7	29.79	100	120	A	H
		5750.825	54.69	-13.51	68.2	38.74	32	13.78	29.83	100	120	P	H
		5445.2	53.29	-20.71	74	37.93	31.57	13.51	29.72	350	52	P	V
		5467.6	52.22	-15.98	68.2	36.77	31.64	13.53	29.72	350	52	P	V
		5449.05	41.64	-12.36	54	26.26	31.59	13.51	29.72	350	52	A	V
	*	5670	108.35	-	-	92.8	31.64	13.7	29.79	350	52	P	V
	*	5670	97.9	-	-	82.35	31.64	13.7	29.79	350	52	A	V
		5737	53.16	-15.04	68.2	37.3	31.92	13.76	29.82	350	52	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 Partial 242 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		11020	48.42	-25.58	74	44.37	40.08	19.76	55.79	100	0	P	H
		16530	47.85	-20.35	68.2	40.11	39.12	24.36	55.74	100	0	P	H
		11020	49.42	-24.58	74	45.37	40.08	19.76	55.79	100	0	P	V
		16530	47.84	-20.36	68.2	40.1	39.12	24.36	55.74	100	0	P	V
													V
													V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		11340	47.5	-26.5	74	43.28	39.82	20	55.6	100	0	P	H
		17010	48.39	-19.81	68.2	39.23	40.49	25.08	56.41	100	0	P	H
		11340	48.16	-25.84	74	43.94	39.82	20	55.6	100	0	P	V
		17010	48.24	-19.96	68.2	39.08	40.49	25.08	56.41	100	0	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 (Band Edge @ 3m)

WIFI Ant. 11+6	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 106 5530MHz		5453.44	58.58	-15.42	74	43.17	31.61	13.52	29.72	100	120	P	H
		5463.04	57.73	-10.47	68.2	42.3	31.63	13.52	29.72	100	120	P	H
		5459.68	46.44	-7.56	54	31.02	31.62	13.52	29.72	100	120	A	H
	*	5530	105.96	-	-	90.48	31.64	13.58	29.74	100	120	P	H
	*	5530	95.39	-	-	79.91	31.64	13.58	29.74	100	120	A	H
		5765	54.09	-14.11	68.2	38.13	32	13.79	29.83	100	120	P	H
		5459.44	55.63	-18.37	74	40.21	31.62	13.52	29.72	331	71	P	V
		5461.6	54.37	-13.83	68.2	38.95	31.62	13.52	29.72	331	71	P	V
		5459.2	43.42	-10.58	54	28	31.62	13.52	29.72	331	71	A	V
	*	5530	102.49	-	-	87.01	31.64	13.58	29.74	331	71	P	V
	*	5530	91.36	-	-	75.88	31.64	13.58	29.74	331	71	A	V
		5736.335	53.43	-14.77	68.2	37.57	31.92	13.76	29.82	331	71	P	V
802.11ax HE80 Full CH 122 5610MHz		5358.16	54.43	-19.57	74	39.62	31.13	13.39	29.71	100	119	P	H
		5466.16	53.85	-14.35	68.2	38.41	31.63	13.53	29.72	100	119	P	H
		5449.6	41.76	-12.24	54	26.37	31.6	13.51	29.72	100	119	A	H
	*	5610	105.26	-	-	89.7	31.68	13.65	29.77	100	119	P	H
	*	5610	94.99	-	-	79.43	31.68	13.65	29.77	100	119	A	H
		5728.145	53.7	-14.5	68.2	37.89	31.87	13.76	29.82	100	119	P	H
		5376.88	54.67	-19.33	74	39.74	31.21	13.43	29.71	100	55	P	V
		5464.48	52.05	-16.15	68.2	36.62	31.63	13.52	29.72	100	55	P	V
		5457.52	41.62	-12.38	54	26.2	31.62	13.52	29.72	100	55	A	V
	*	5610	101.15	-	-	85.59	31.68	13.65	29.77	100	55	P	V
	*	5610	91.25	-	-	75.69	31.68	13.65	29.77	100	55	A	V
		5740.745	53.38	-14.82	68.2	37.49	31.94	13.77	29.82	100	55	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. 11+6	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 106 5530MHz		11060	48.71	-25.29	74	44.64	40.04	19.79	55.76	100	0	P	H
		16590	47.47	-20.73	68.2	39.49	39.36	24.45	55.83	100	0	P	H
		11060	47.89	-26.11	74	43.82	40.04	19.79	55.76	100	0	P	V
		16590	47.37	-20.83	68.2	39.39	39.36	24.45	55.83	100	0	P	V
802.11ax HE80 Full CH 122 5610MHz		11220	48.58	-25.42	74	44.64	39.7	19.91	55.67	100	0	P	H
		16830	48.91	-19.29	68.2	40	40.25	24.82	56.16	100	0	P	H
		11220	48.24	-25.76	74	44.3	39.7	19.91	55.67	100	0	P	V
		16830	48.88	-19.32	68.2	39.97	40.25	24.82	56.16	100	0	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 Partial 484 (Band Edge @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5457.52	60.12	-13.88	74	44.7	31.62	13.52	29.72	100	120	P	H
		5467.84	64.38	-3.82	68.2	48.93	31.64	13.53	29.72	100	120	P	H
		5459.92	42.37	-11.63	54	26.95	31.62	13.52	29.72	100	120	A	H
	*	5530	107.01			91.53	31.64	13.58	29.74	100	120	P	H
	*	5530	97			81.52	31.64	13.58	29.74	100	120	A	H
		5734.13	54.1	-14.1	68.2	38.26	31.9	13.76	29.82	100	120	P	H
		5430.88	53.41	-20.59	74	38.14	31.49	13.5	29.72	353	55	P	V
		5464.72	56.54	-11.66	68.2	41.1	31.63	13.53	29.72	353	55	P	V
		5459.92	41.81	-12.19	54	26.39	31.62	13.52	29.72	353	55	A	V
	*	5530	102.87			87.39	31.64	13.58	29.74	353	55	P	V
	*	5530	93.4			77.92	31.64	13.58	29.74	353	55	A	V
		5758.7	53.29	-14.91	68.2	37.34	32	13.78	29.83	353	55	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5442.4	53.99	-20.01	74	38.65	31.55	13.51	29.72	100	119	P	H
		5464.72	52.78	-15.42	68.2	37.34	31.63	13.53	29.72	100	119	P	H
		5458.72	41.72	-12.28	54	26.3	31.62	13.52	29.72	100	119	A	H
	*	5610	106.96			91.4	31.68	13.65	29.77	100	119	P	H
	*	5610	97			81.44	31.68	13.65	29.77	100	119	A	H
		5748.305	53.61	-14.59	68.2	37.67	31.99	13.77	29.82	100	119	P	H
		5442.88	53.86	-20.14	74	38.51	31.56	13.51	29.72	359	52	P	V
		5469.76	53.28	-14.92	68.2	37.84	31.64	13.53	29.73	359	52	P	V
		5447.92	41.7	-12.3	54	26.32	31.59	13.51	29.72	359	52	A	V
	*	5610	103.31			87.75	31.68	13.65	29.77	359	52	P	V
	*	5610	93.81			78.25	31.68	13.65	29.77	359	52	A	V
		5742.95	54.3	-13.9	68.2	38.39	31.96	13.77	29.82	359	52	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 Partial 484 (Harmonic @ 3m)

WIFI Ant. 11+6	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		11060	48.12	-25.88	74	44.05	40.04	19.79	55.76	100	0	P	H
		16590	47.01	-21.19	68.2	39.03	39.36	24.45	55.83	100	0	P	H
		11060	48.11	-25.89	74	44.04	40.04	19.79	55.76	100	0	P	V
		16590	47.7	-20.5	68.2	39.72	39.36	24.45	55.83	100	0	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		11220	47.95	-26.05	74	44.01	39.7	19.91	55.67	100	0	P	H
		16830	49	-19.2	68.2	40.09	40.25	24.82	56.16	100	0	P	H
		11220	47.93	-26.07	74	43.99	39.7	19.91	55.67	100	0	P	V
		16830	48.16	-20.04	68.2	39.25	40.25	24.82	56.16	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant. 11+6	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 LF		62.01	19.02	-20.98	40	38.74	11.93	1.14	32.79	-	-	P	H
		77.53	22.97	-17.03	40	41.12	13.25	1.31	32.71	-	-	P	H
		96.93	25.91	-17.59	43.5	41.32	15.7	1.51	32.62	-	-	P	H
		183.26	28.27	-15.23	43.5	43.85	15.05	2.23	32.86	100	0	P	H
		329.73	24.57	-21.43	46	34.16	19.86	3.05	32.5	-	-	P	H
		753.62	30.66	-15.34	46	30.44	28.15	4.72	32.65	-	-	P	H
													H
													H
													H
													H
													H
													H
		44.55	29.48	-10.52	40	44.44	16.97	0.89	32.82	-	-	P	V
		77.53	29.62	-10.38	40	47.77	13.25	1.31	32.71	100	0	P	V
		184.23	25.88	-17.62	43.5	41.49	15.03	2.22	32.86	-	-	P	V
		316.15	20.74	-25.26	46	30.78	19.49	2.99	32.52	-	-	P	V
		554.77	27.55	-18.45	46	30.22	25.98	4.02	32.67	-	-	P	V
		715.79	31.58	-14.42	46	32.43	27	4.62	32.47	-	-	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.	
11+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

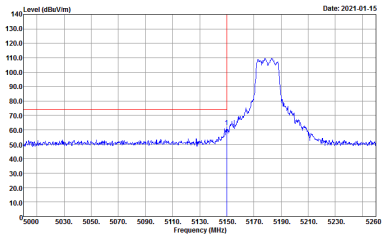
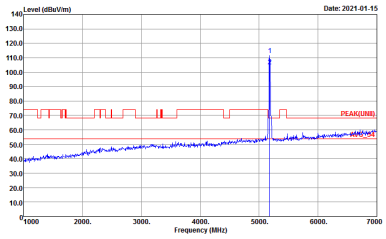
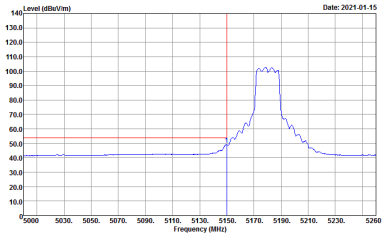
Test Engineer :	Karl Hou, Caster Liao and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

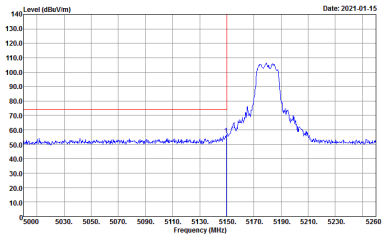
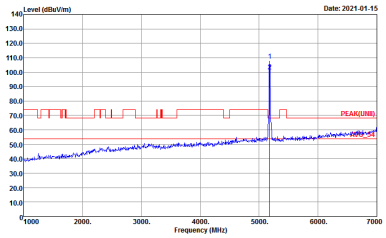
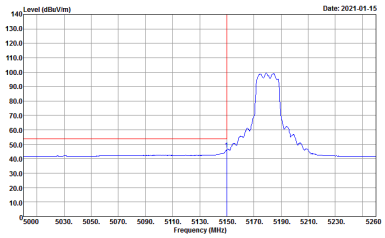
Note symbol

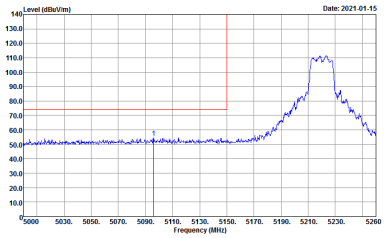
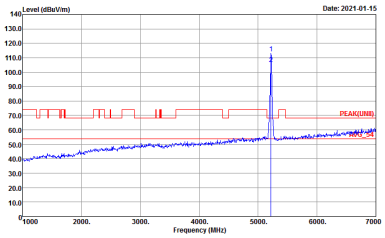
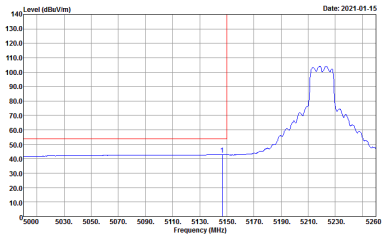
-L	**Low channel location**
-R	**High channel location**

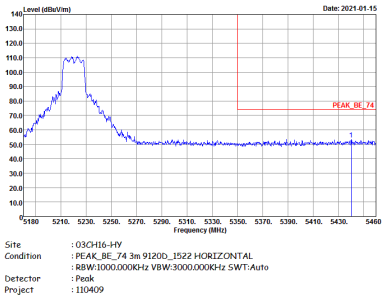
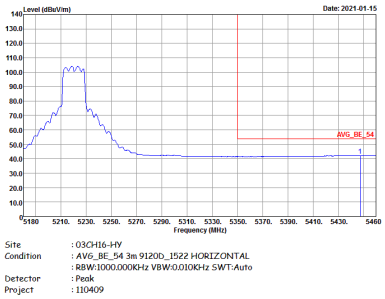
Band 1 - 5150~5250MHz

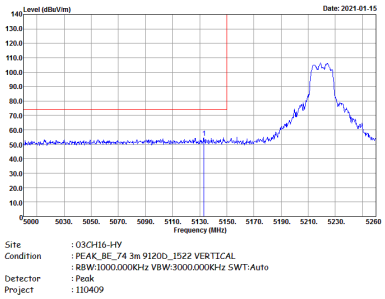
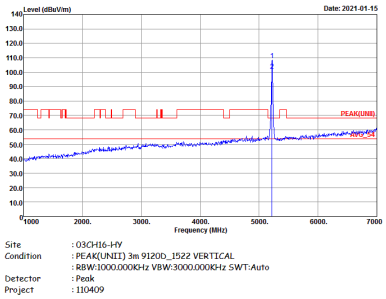
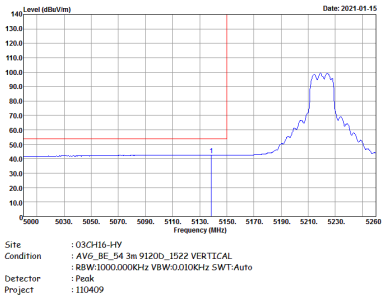
WIFI 802.11a (Band Edge @ 3m)

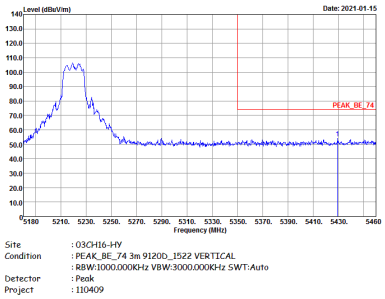
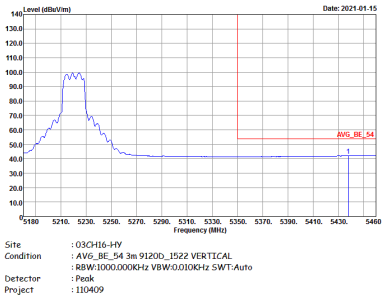
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

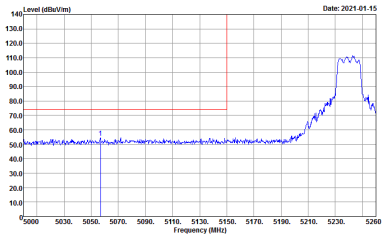
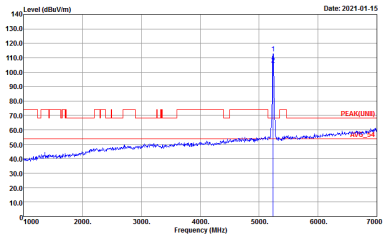
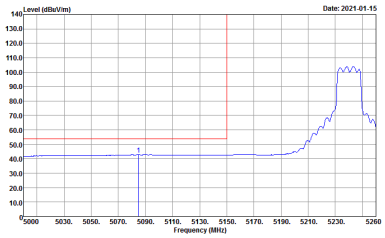
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

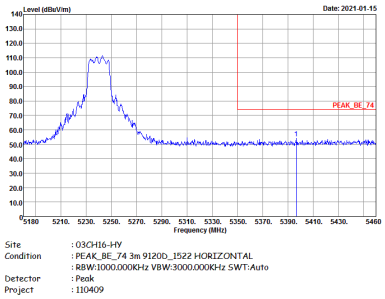
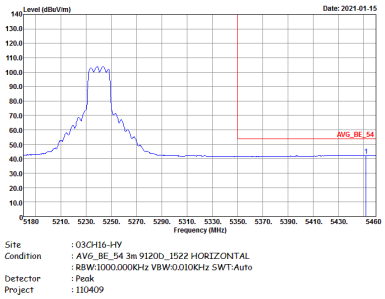
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

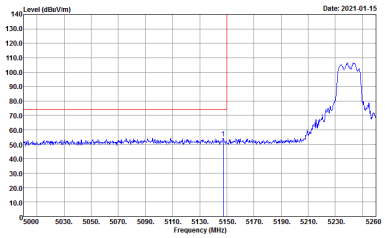
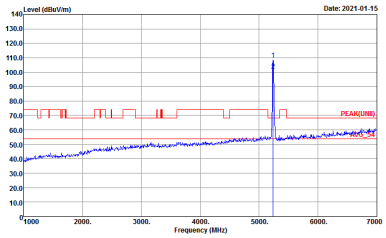
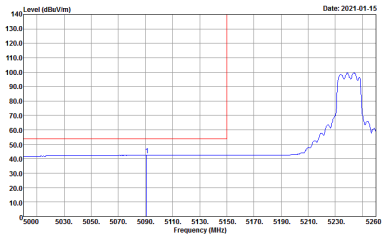
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

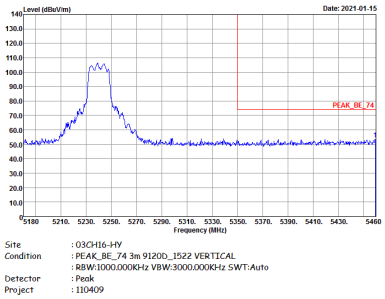
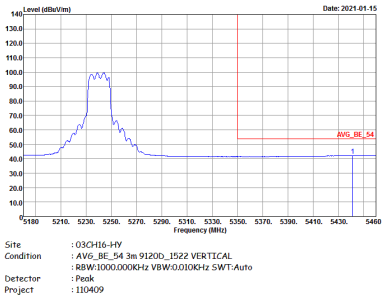
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

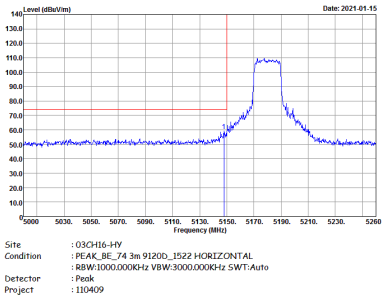
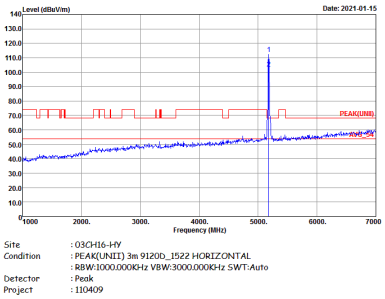
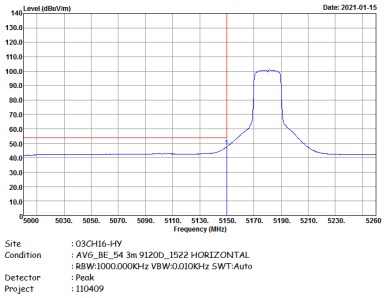
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

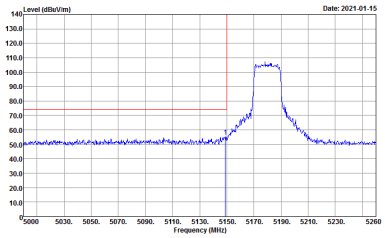
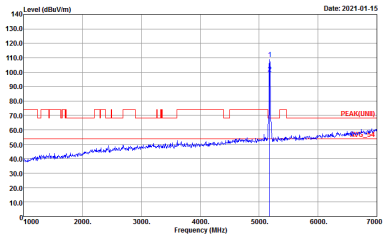
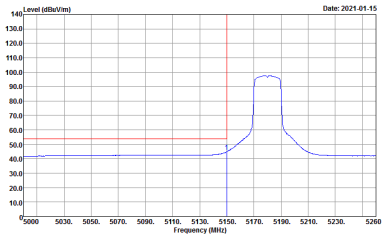
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

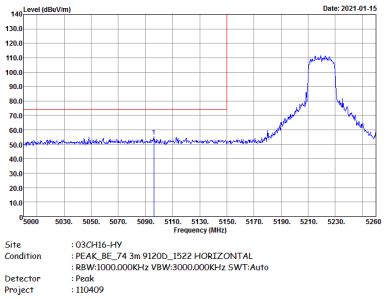
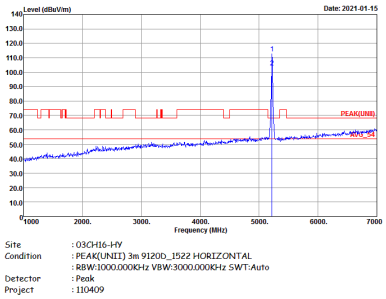
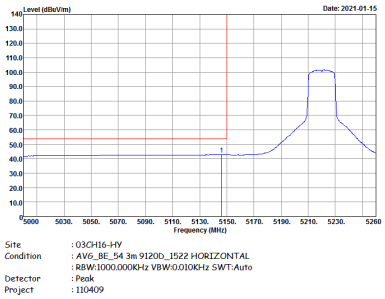
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

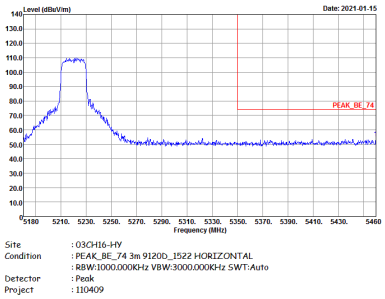
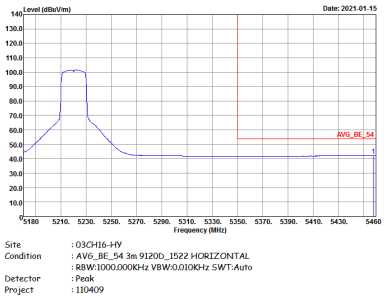
Band 1 5150~5250MHz

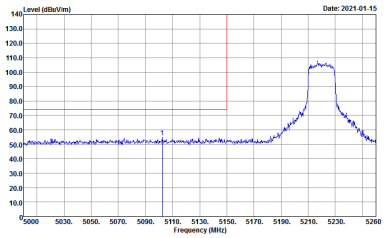
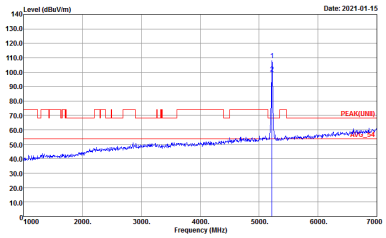
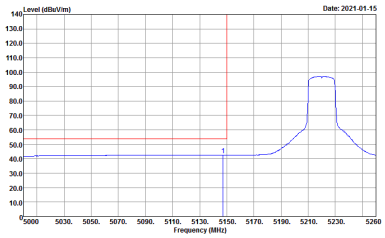
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

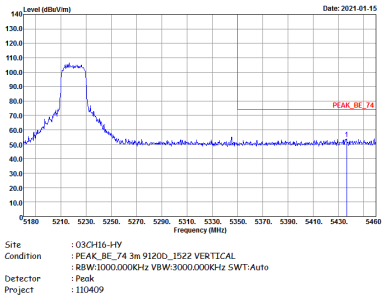
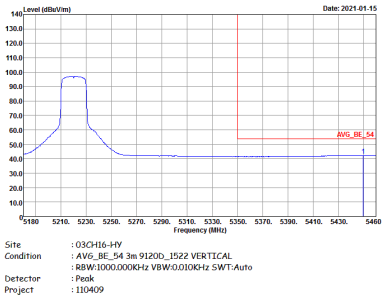
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

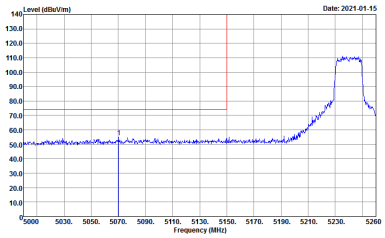
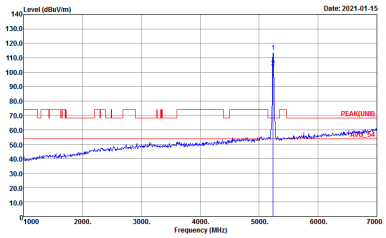
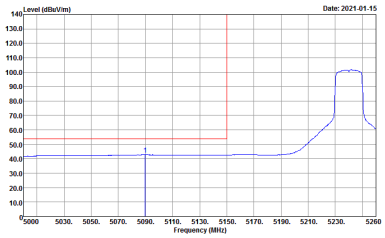
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

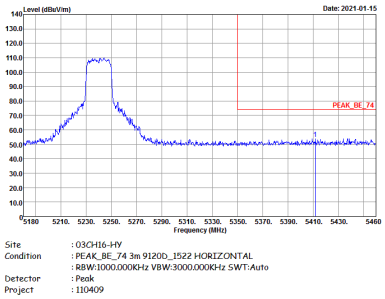
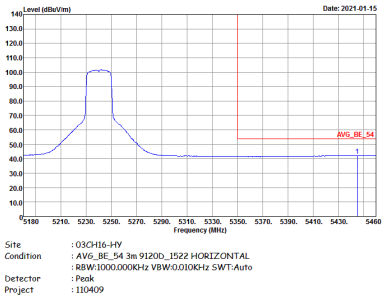
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

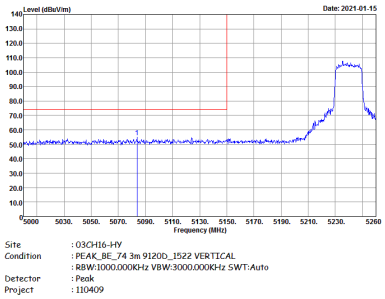
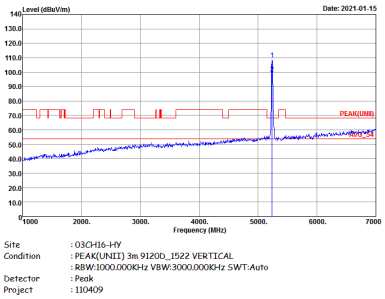
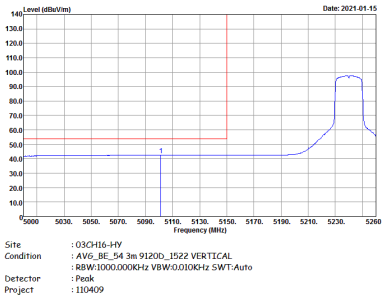
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

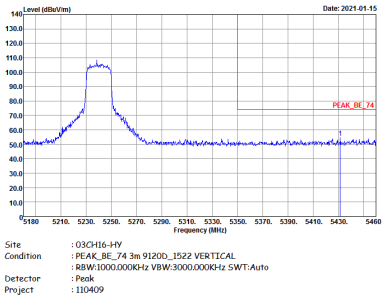
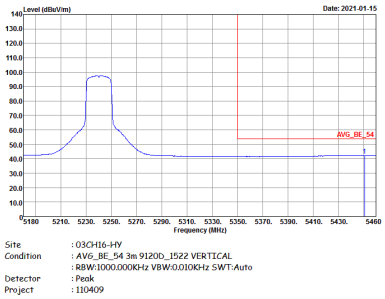
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

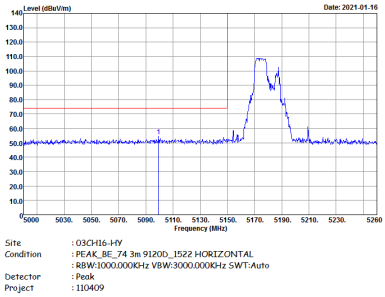
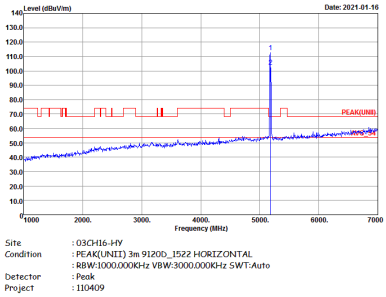
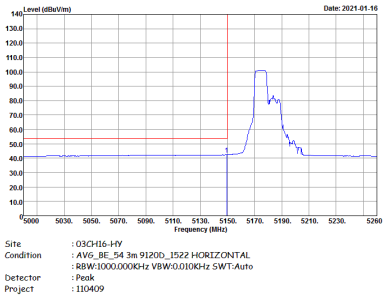
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

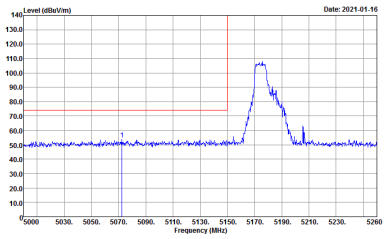
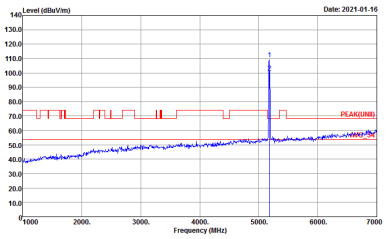
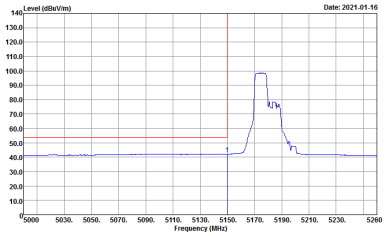
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

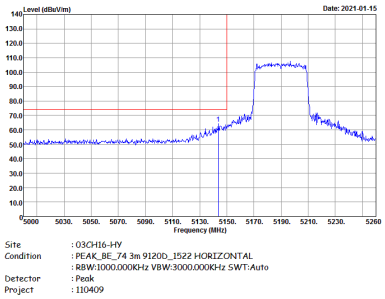
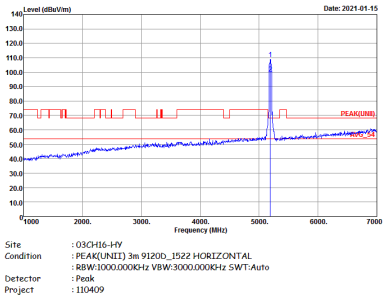
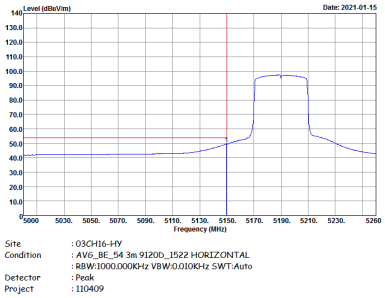
Band 1 5150~5250MHz

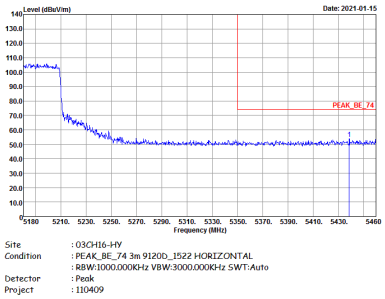
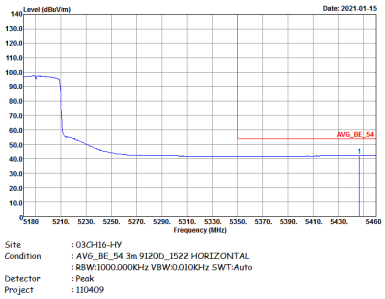
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

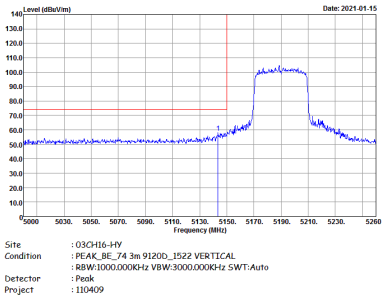
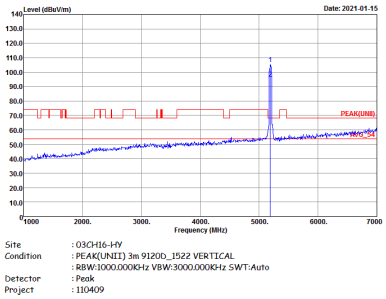
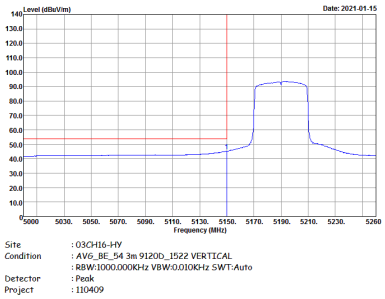
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

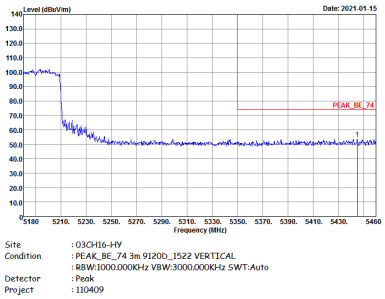
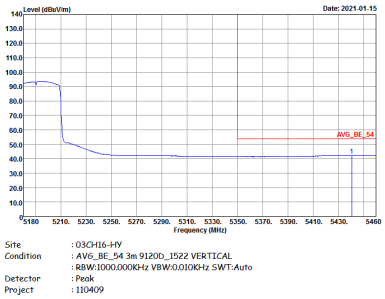
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

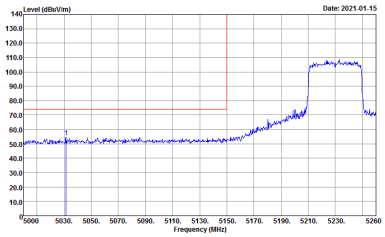
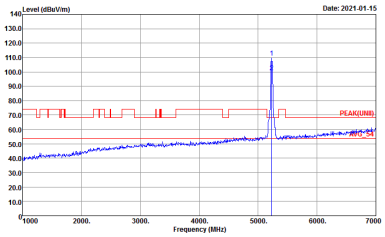
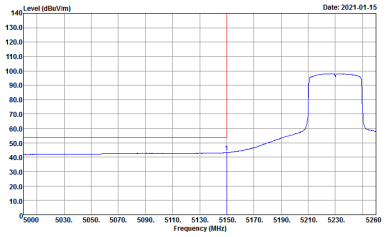
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

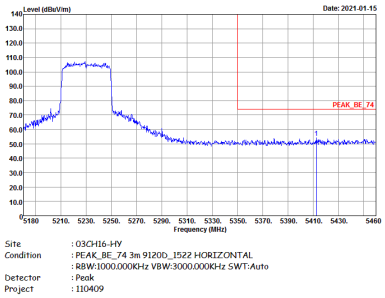
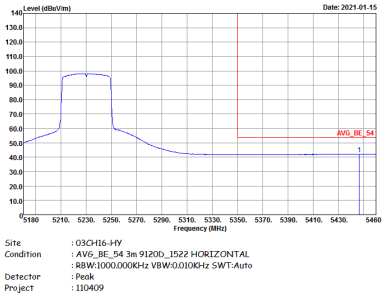
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

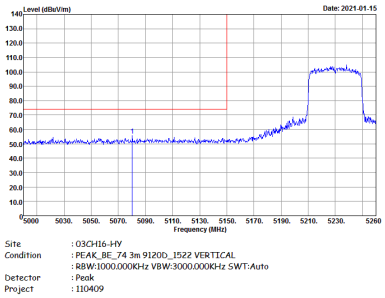
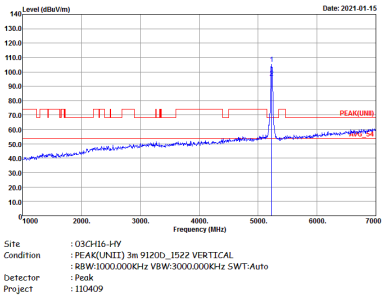
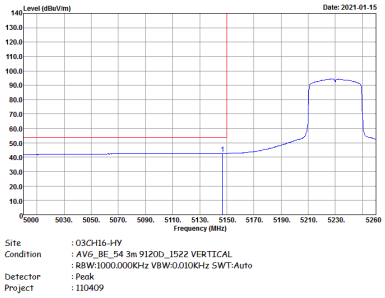
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

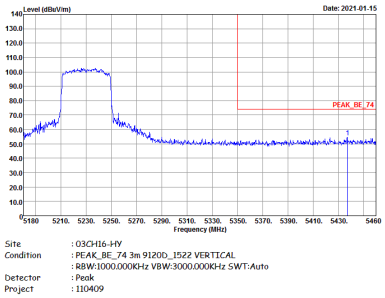
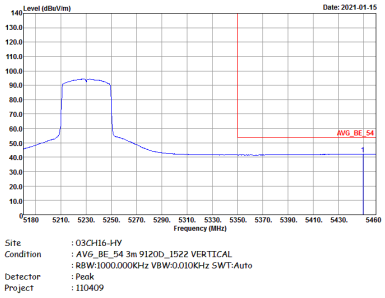
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

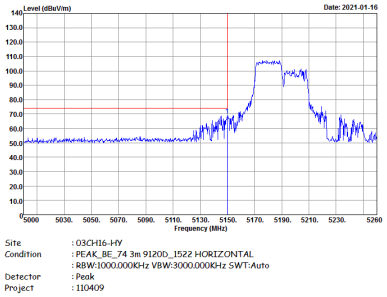
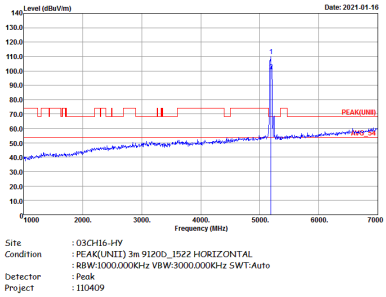
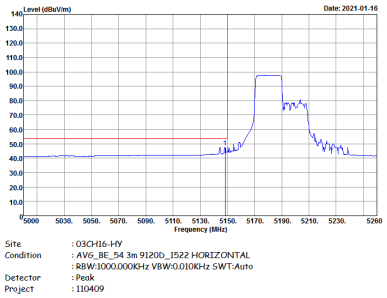
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

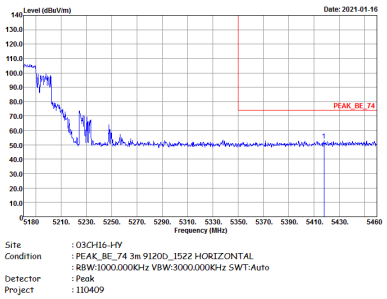
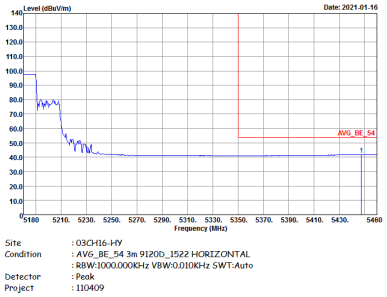
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

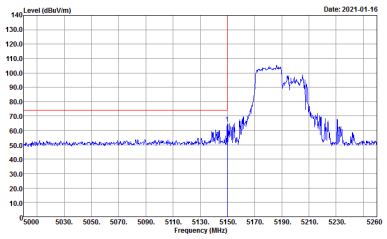
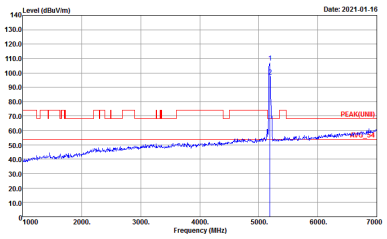
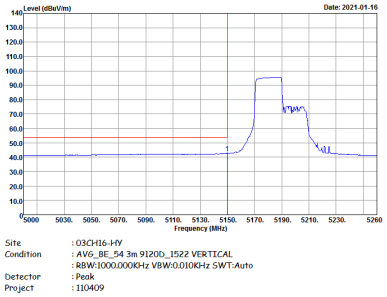
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

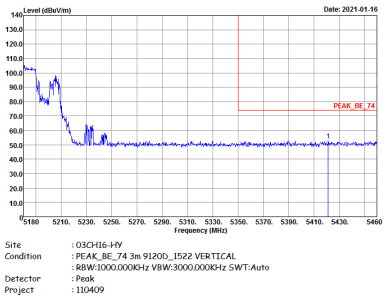
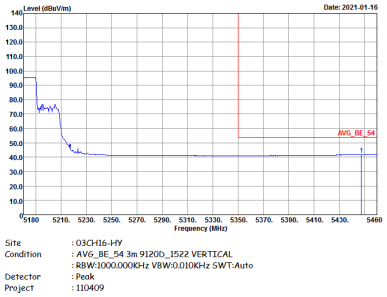
Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

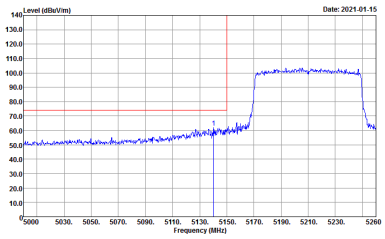
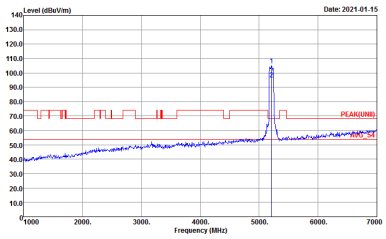
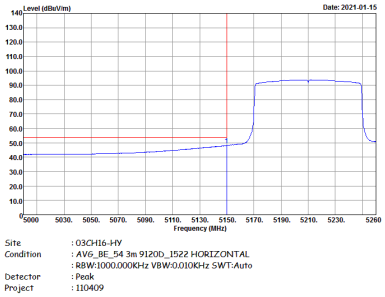
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

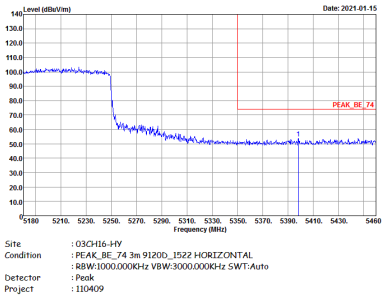
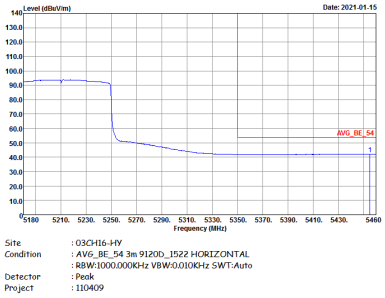
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

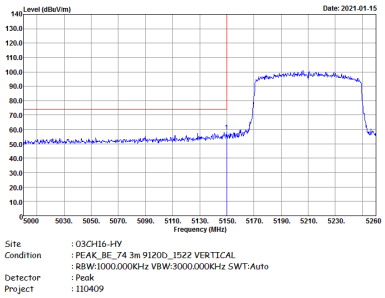
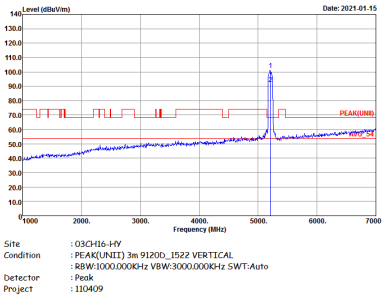
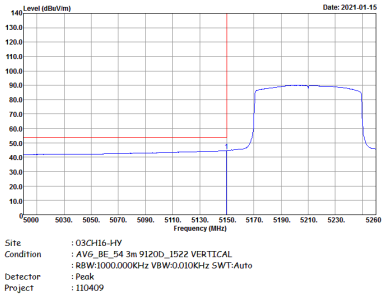
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

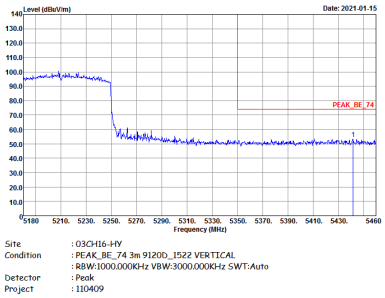
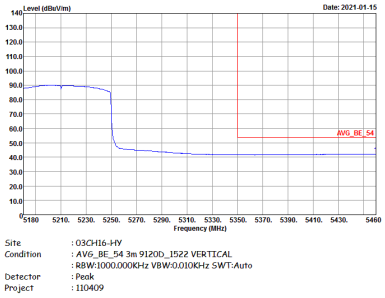
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

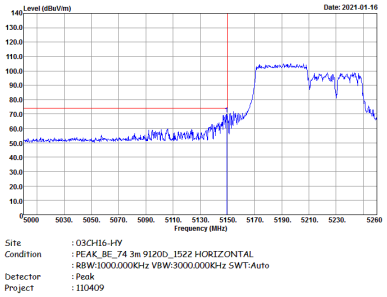
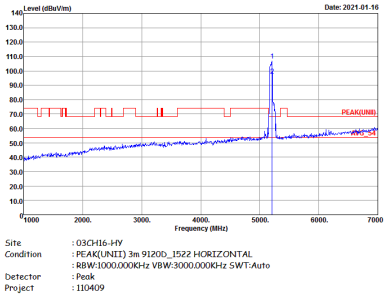
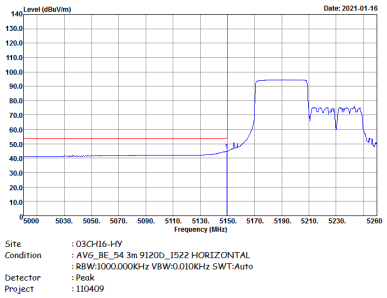
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

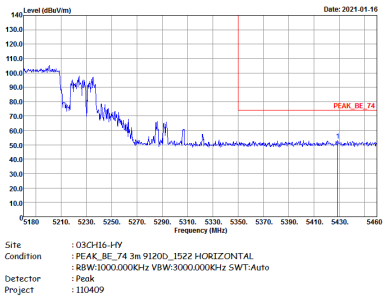
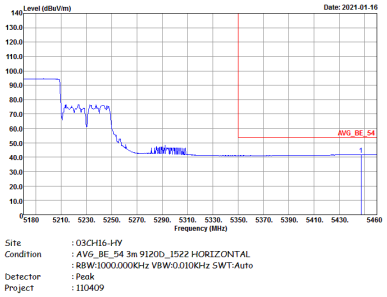
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

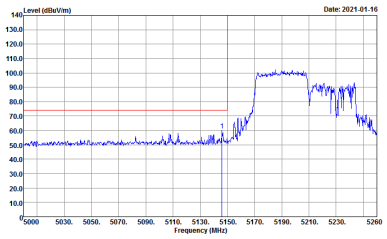
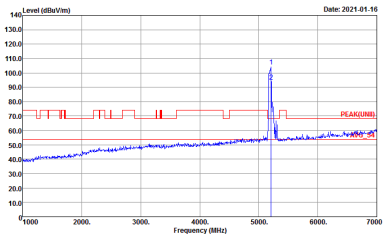
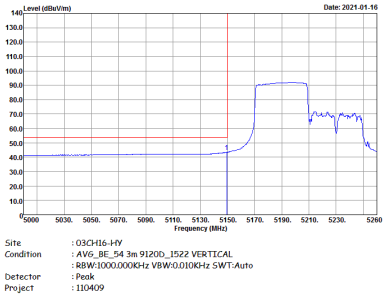
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

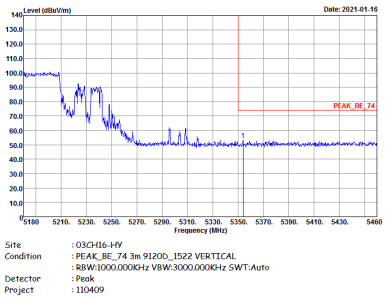
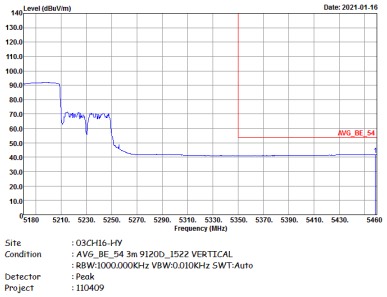
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

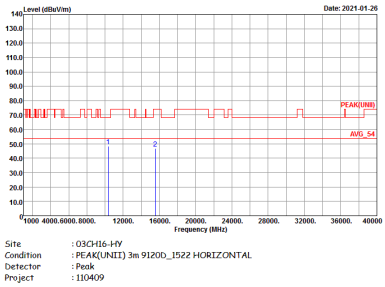
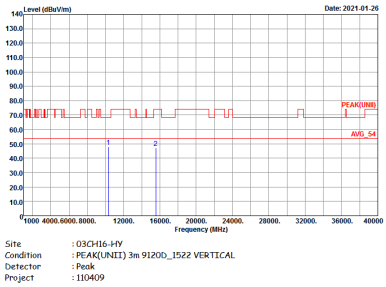
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65CH42 5210MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

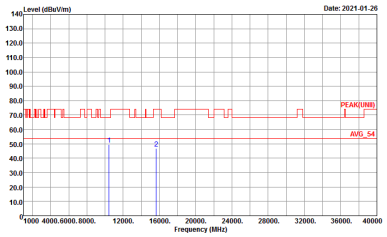
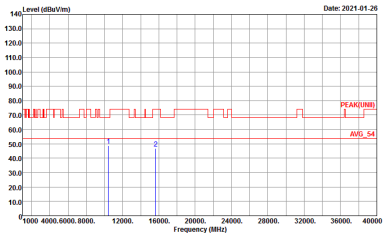
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

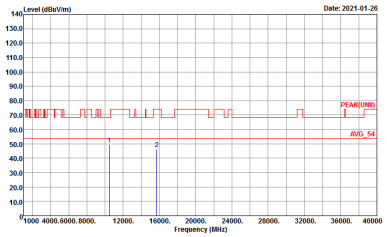
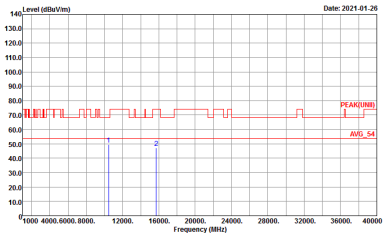
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

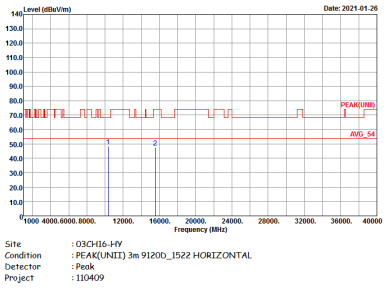
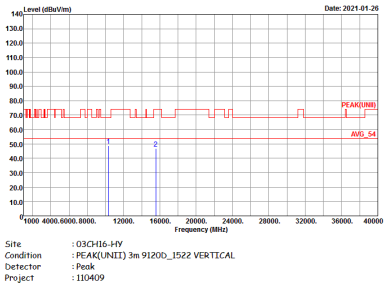
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
11+6	Horizontal	Vertical
Peak Avg.	 	

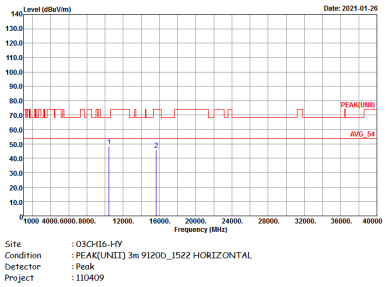
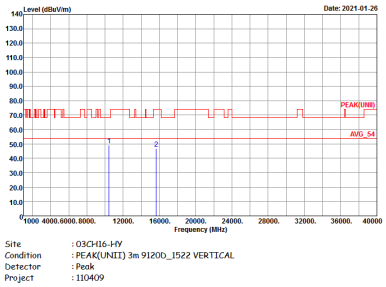
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

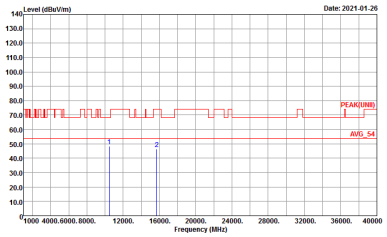
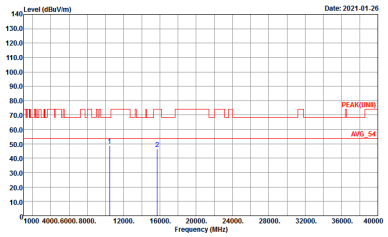
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

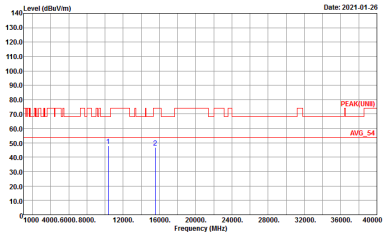
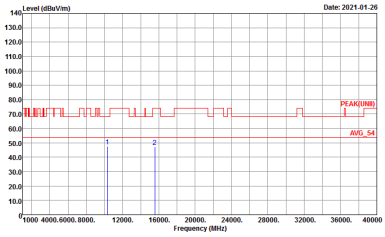
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+6	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
11+6	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
11+6	Horizontal	Vertical
Peak Avg.		

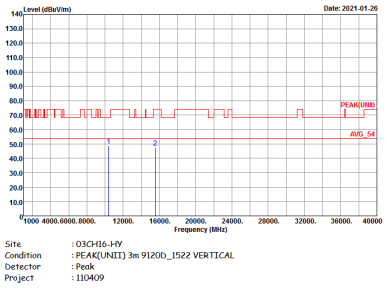
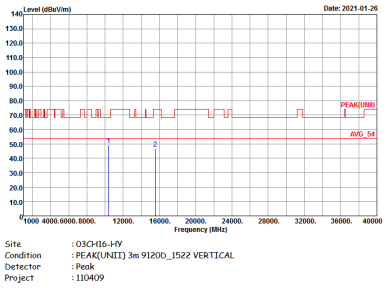
Band 1 5150~5250MHz

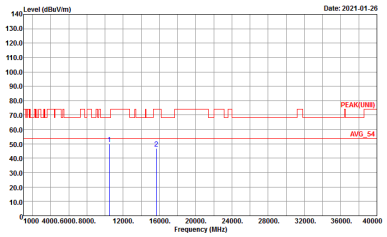
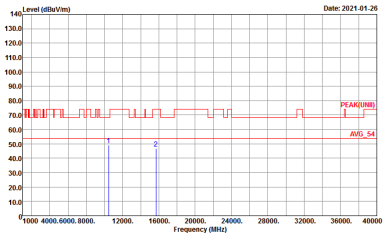
WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

Band 1 5150~5250MHz

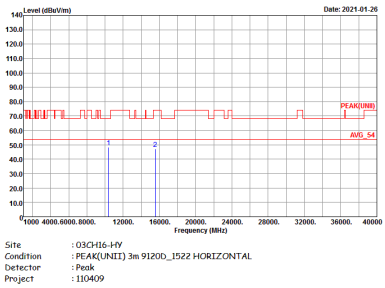
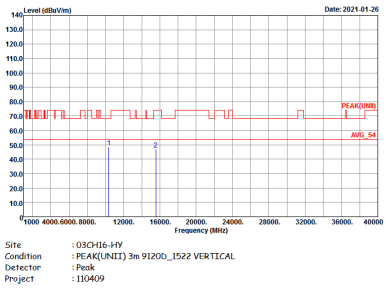
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
11+6	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

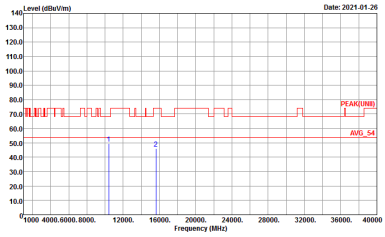
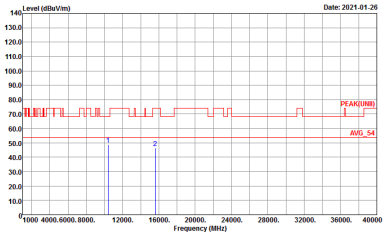
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

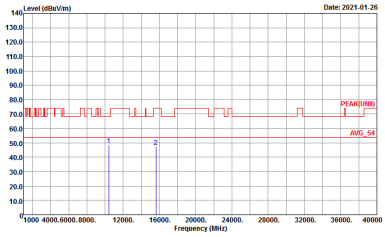
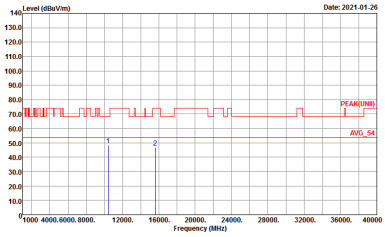
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

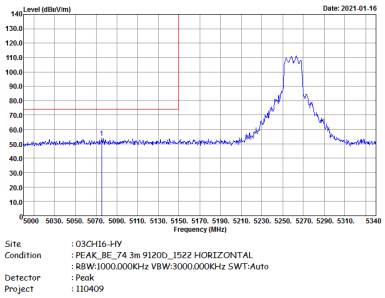
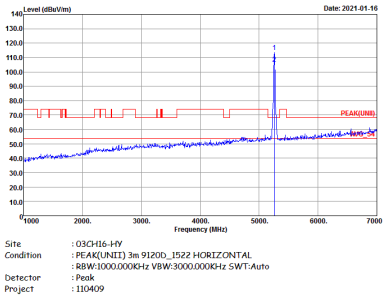
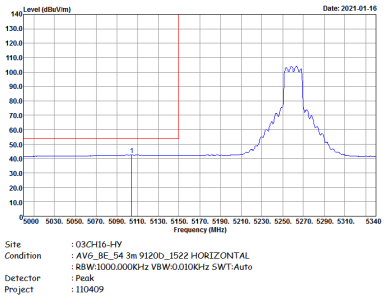
Band 1 5150~5250MHz

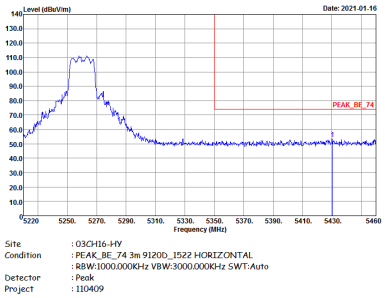
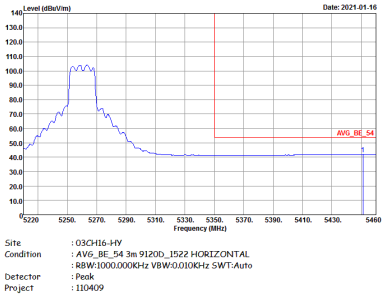
WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)

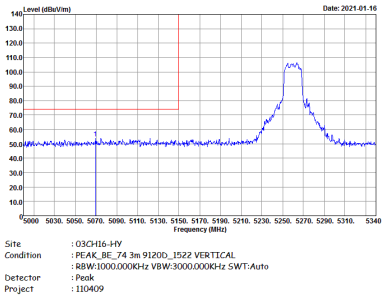
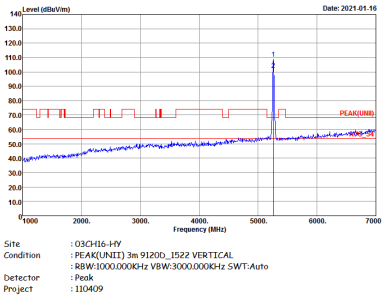
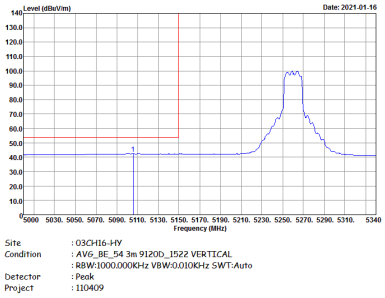
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

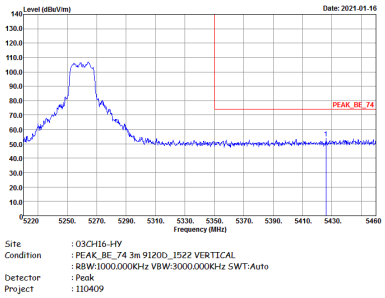
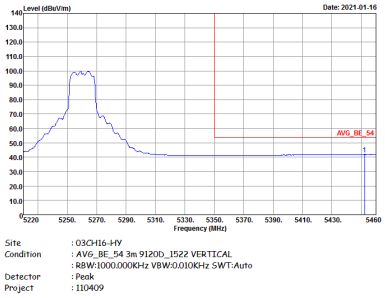
Band 2 - 5250~5350MHz

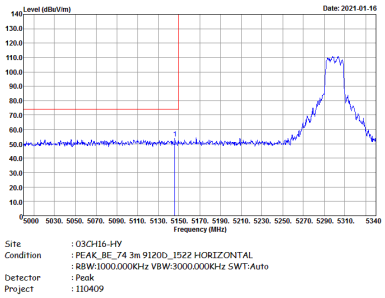
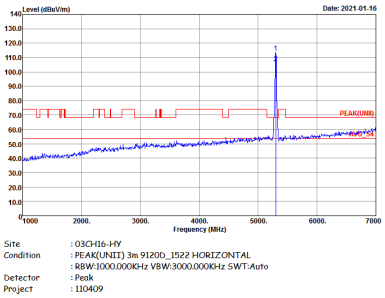
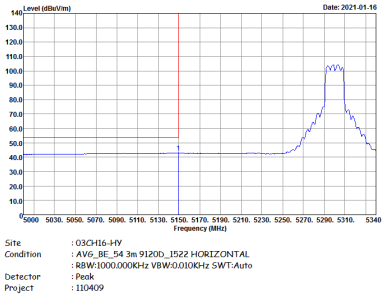
WIFI 802.11a (Band Edge @ 3m)

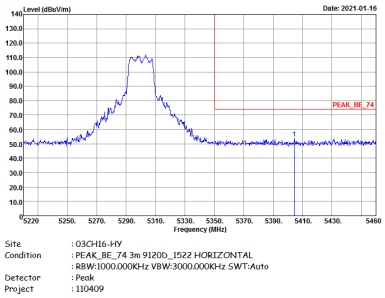
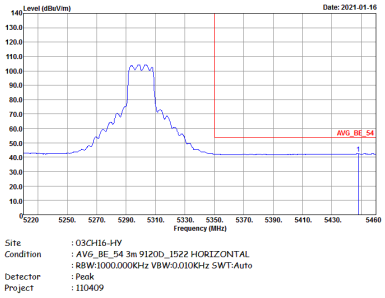
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

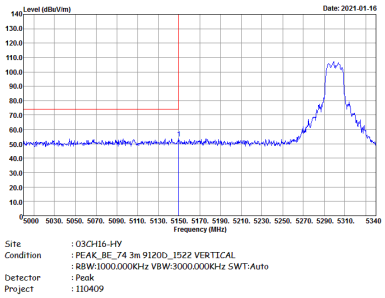
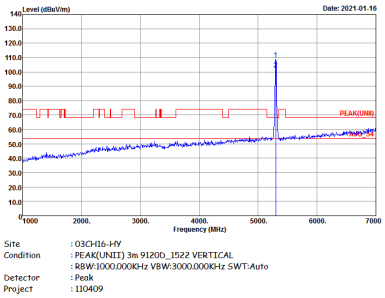
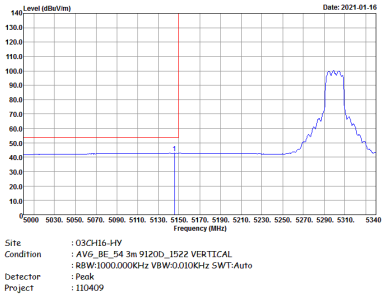
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

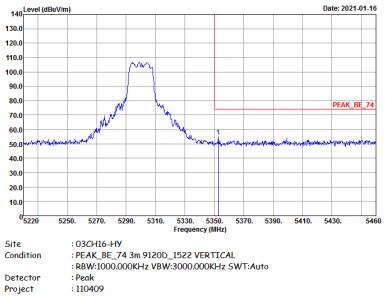
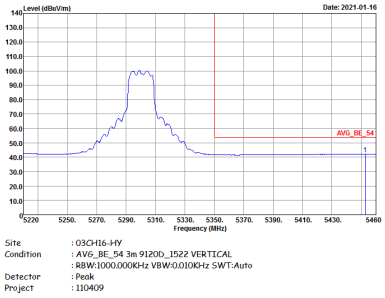
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

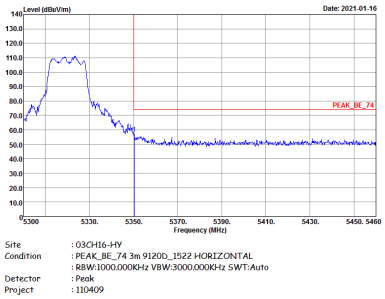
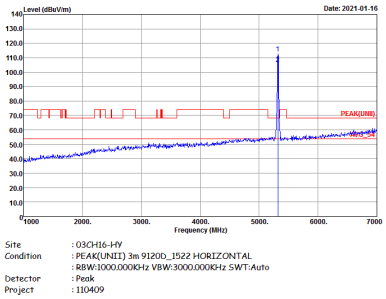
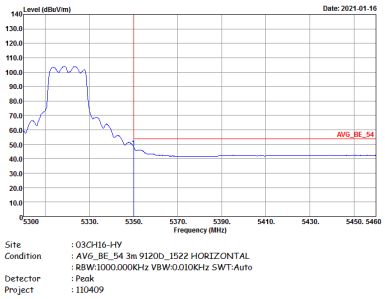
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

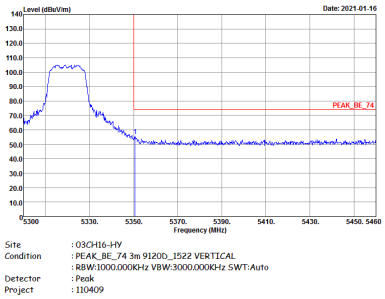
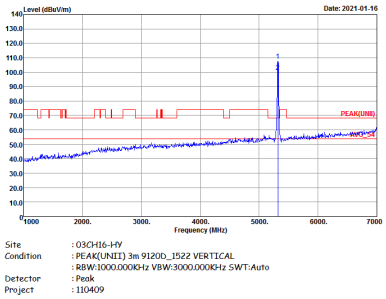
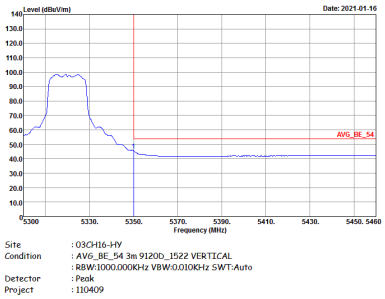
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

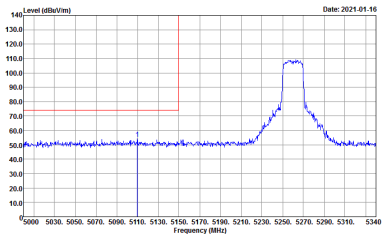
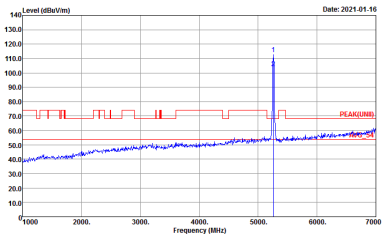
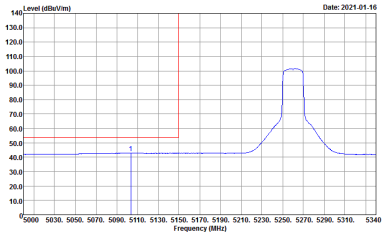
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

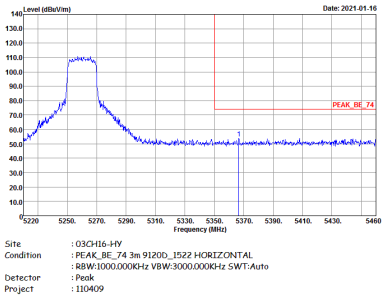
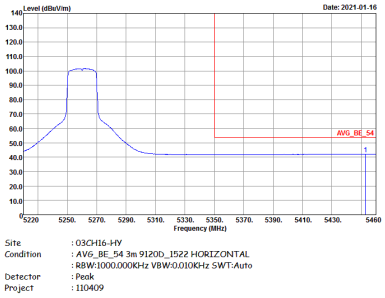
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

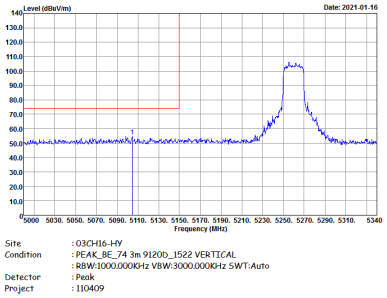
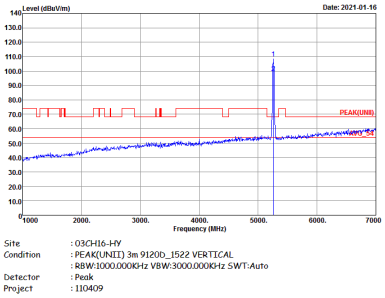
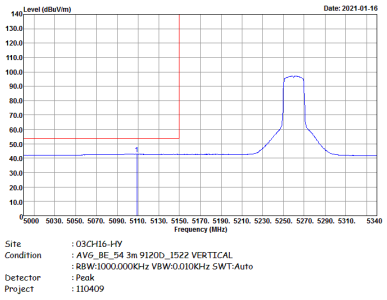
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

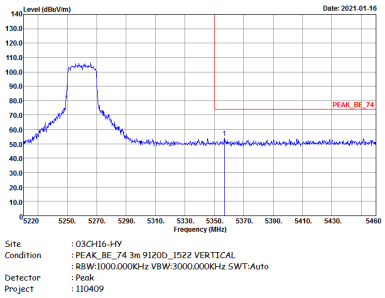
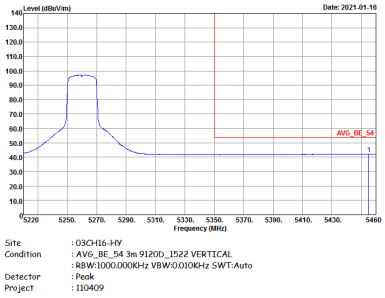
Band 2 5250~5350MHz

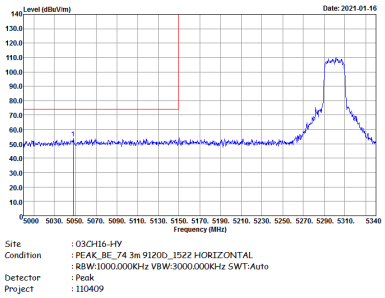
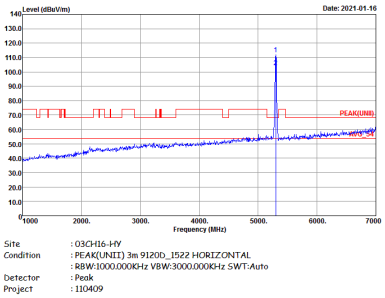
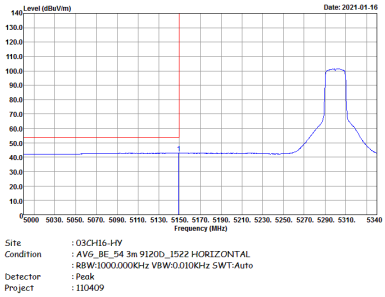
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

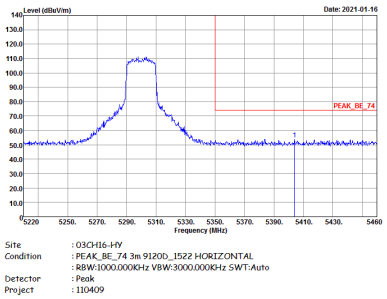
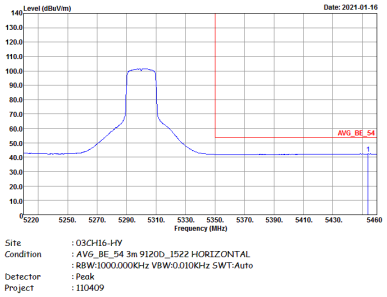
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
11+6	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

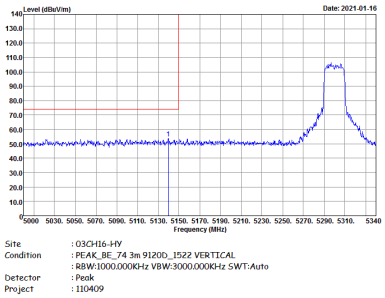
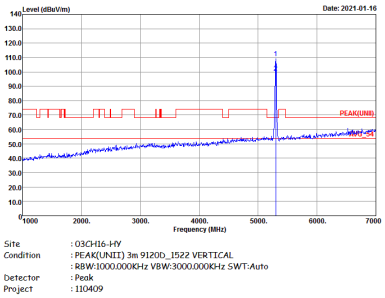
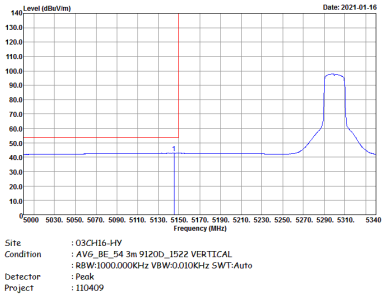
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

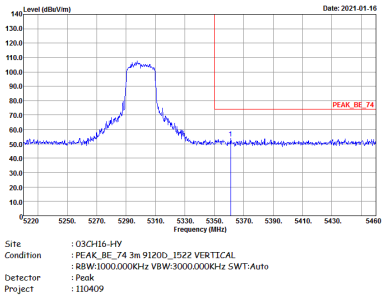
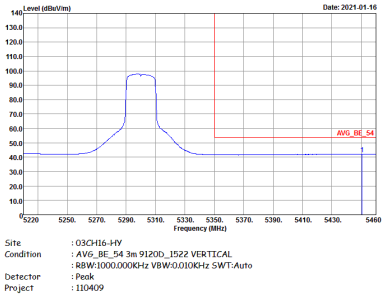
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

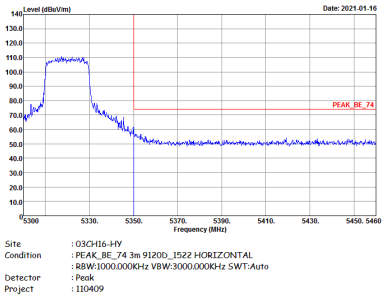
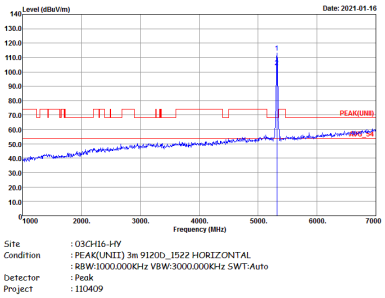
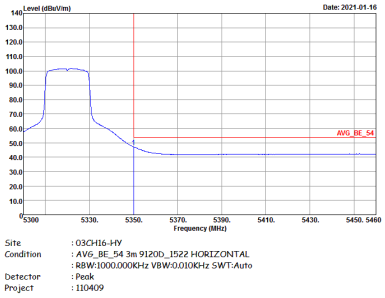
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

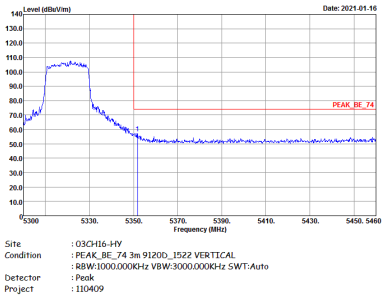
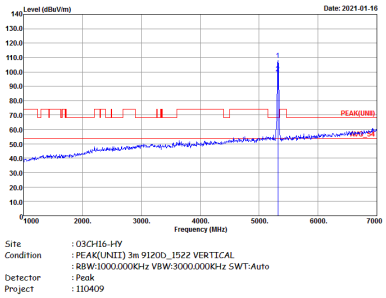
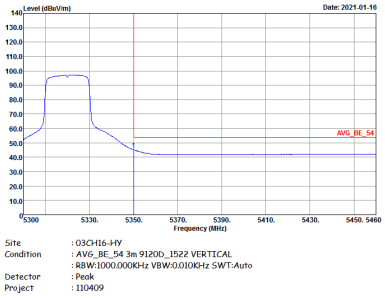
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

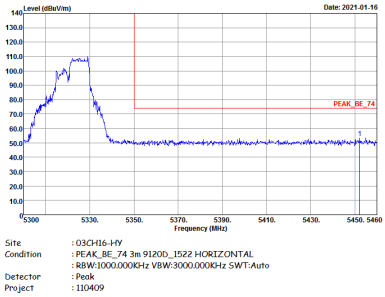
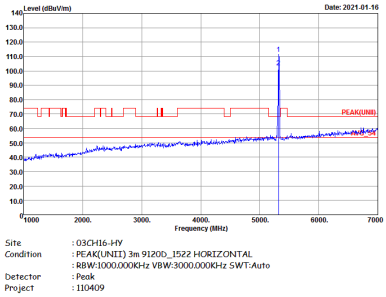
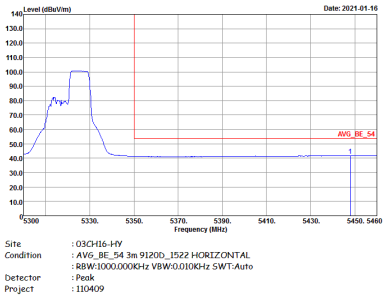
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

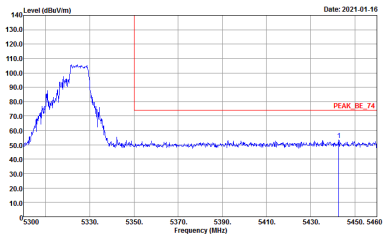
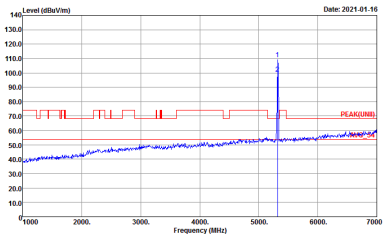
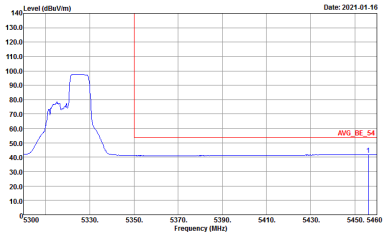
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

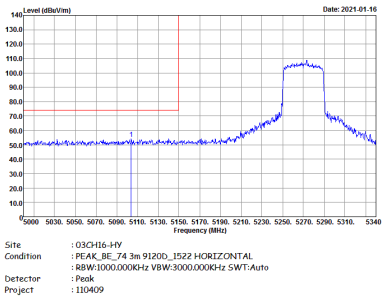
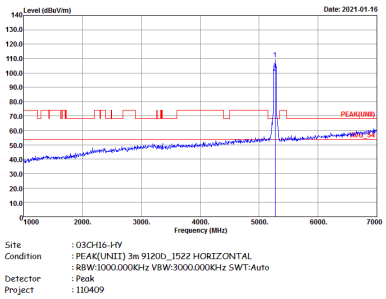
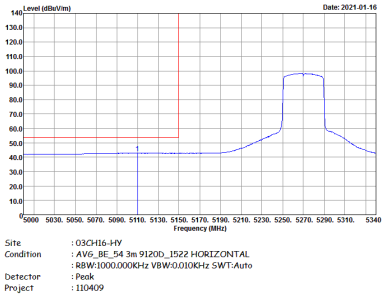
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

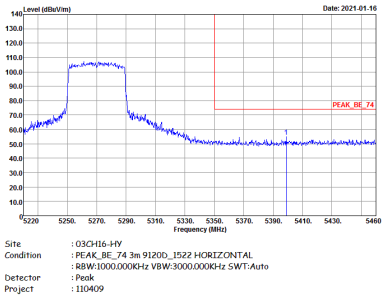
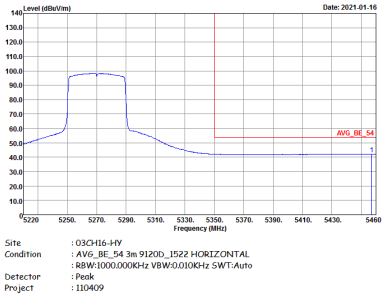
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

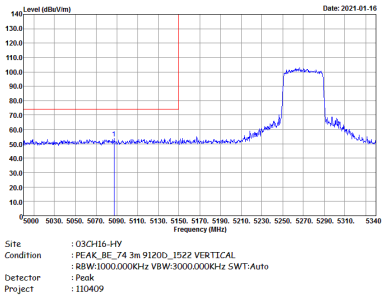
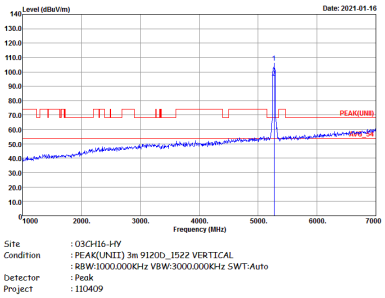
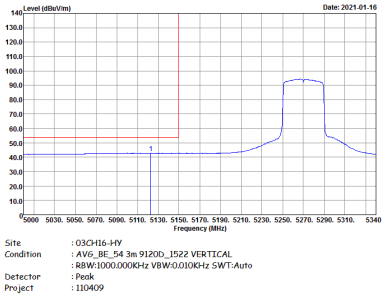
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

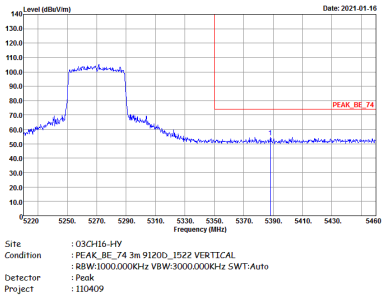
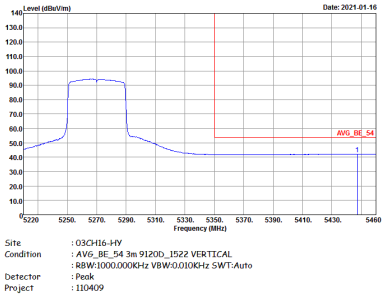
Band 2 5250~5350MHz

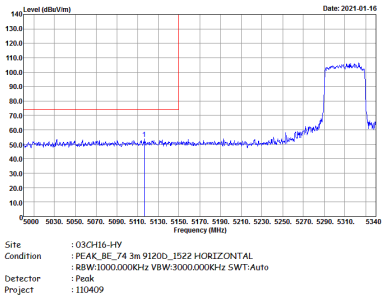
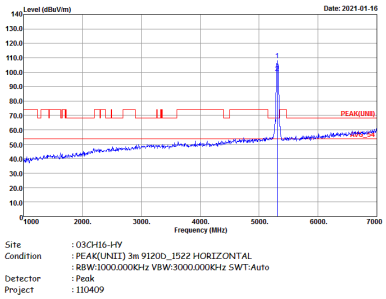
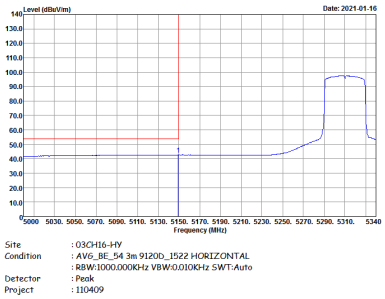
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

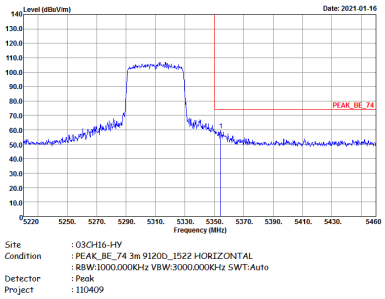
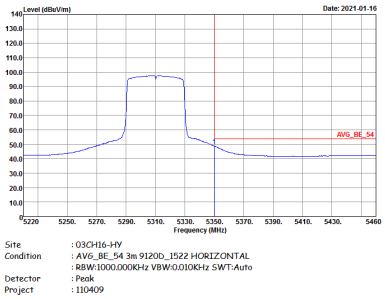
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

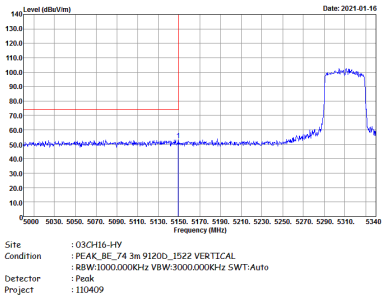
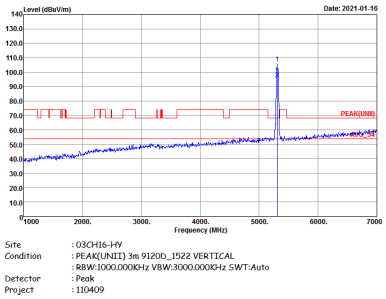
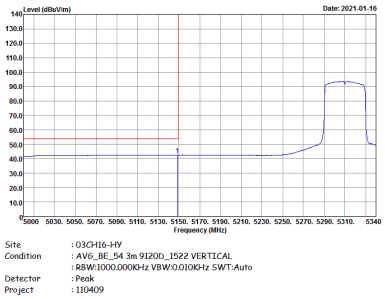
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

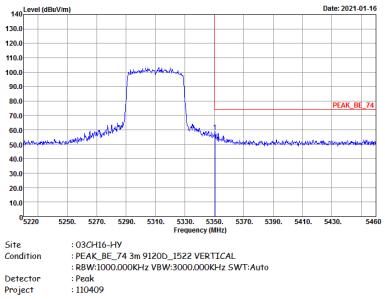
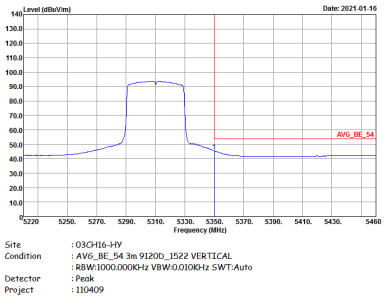
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

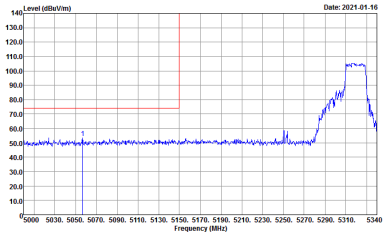
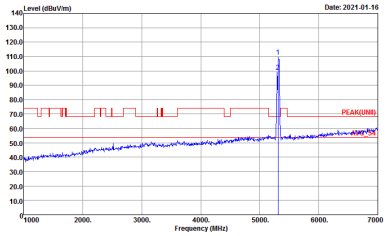
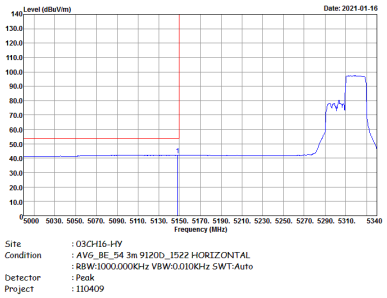
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

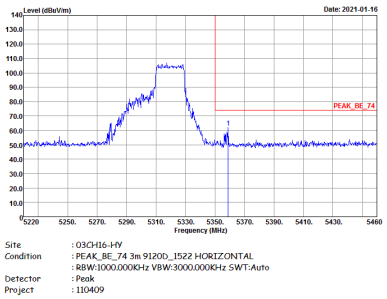
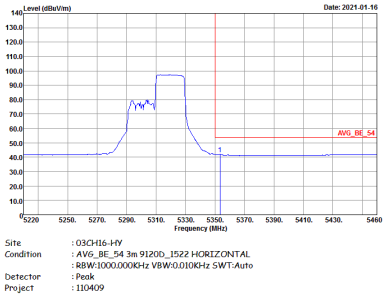
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

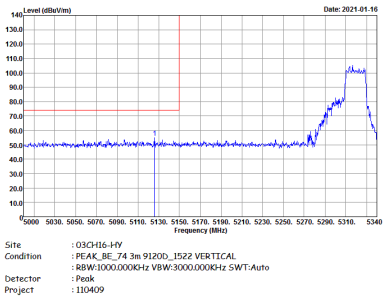
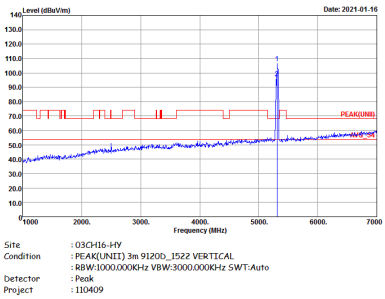
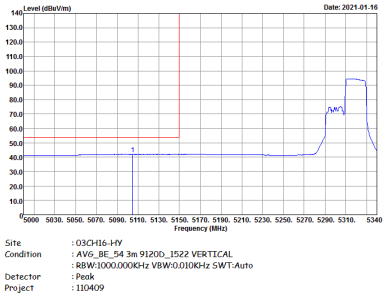
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

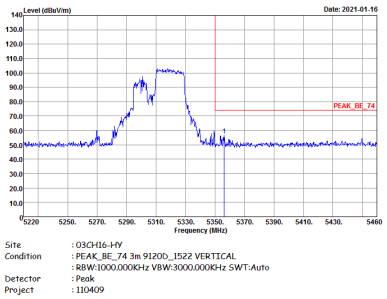
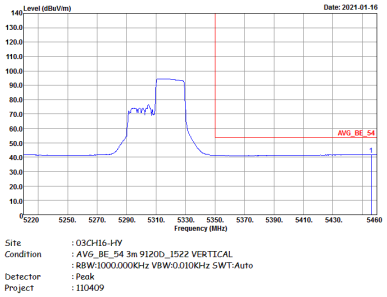
Band 2 5250~5350MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

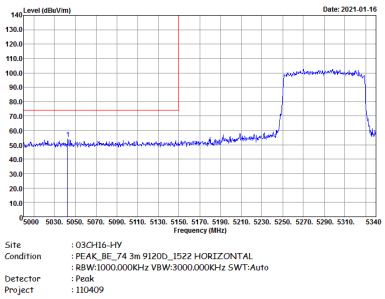
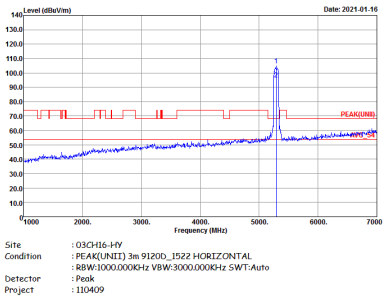
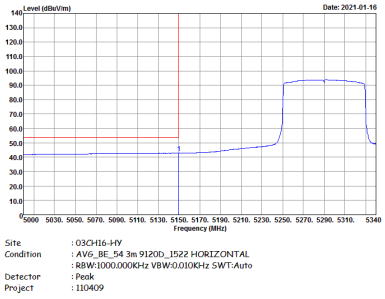
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

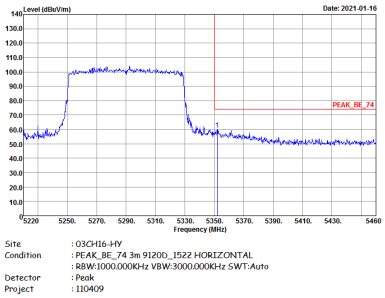
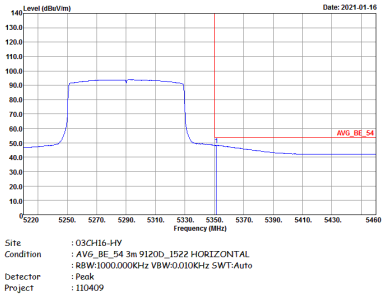
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

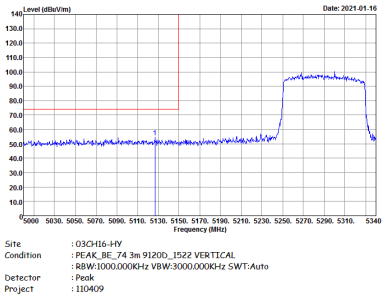
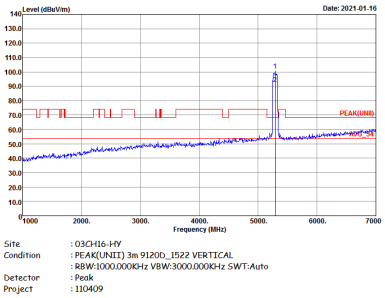
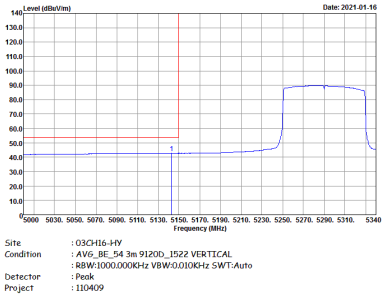
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

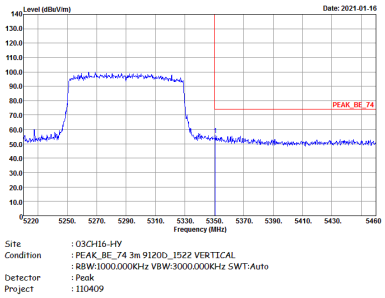
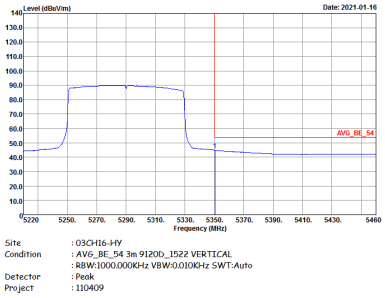
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

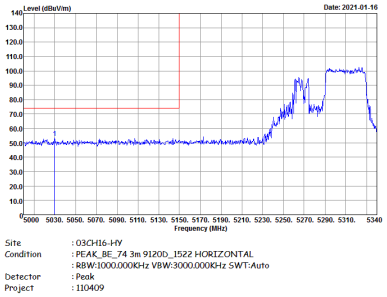
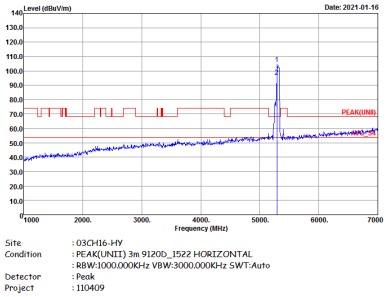
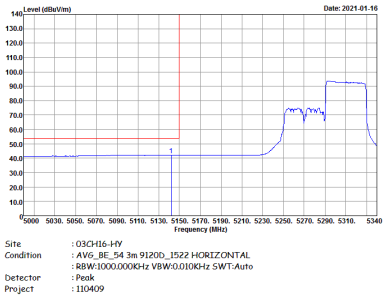
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

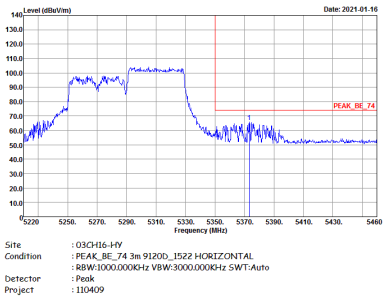
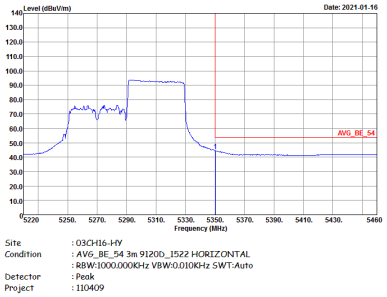
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
11+6	Vertical	Fundamental
Peak		
Avg.		Left blank

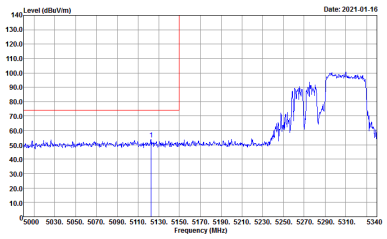
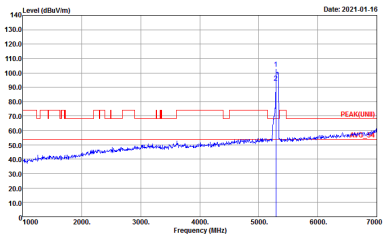
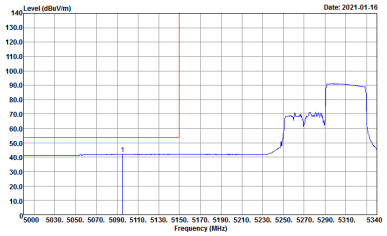
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

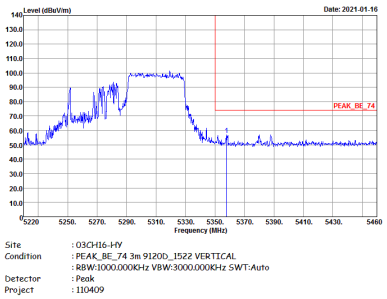
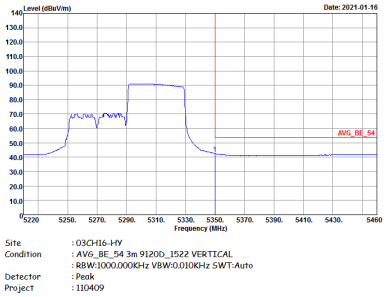
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - L	
11+6	Horizontal	Fundamental
Peak		
Avg.		Left blank

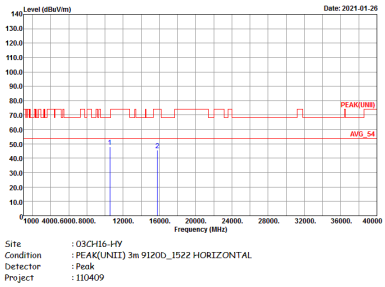
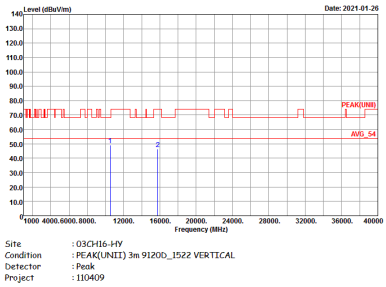
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66CH58 5290MHz - R	
11+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

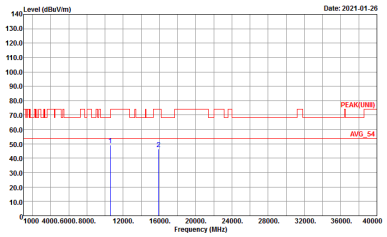
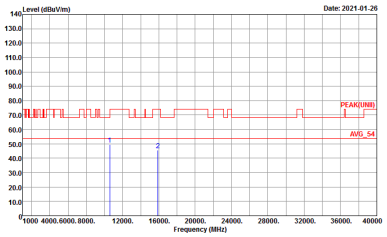
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66CH58 5290MHz - L	
11+6	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110409
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110409	Left blank

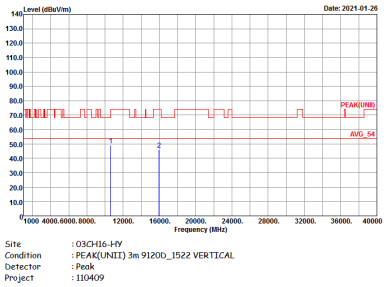
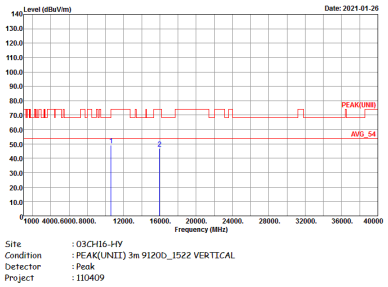
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - R	
11+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

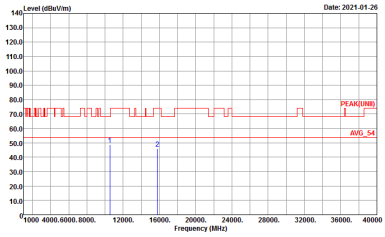
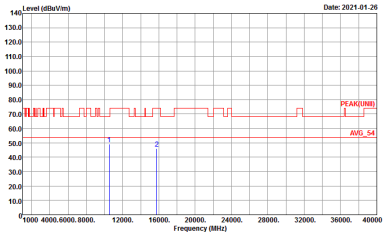
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
11+6	Horizontal	Vertical
Peak Avg.		

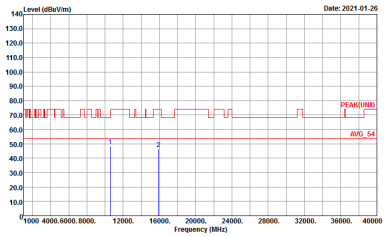
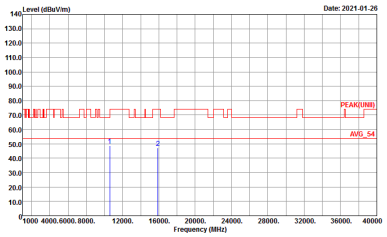
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

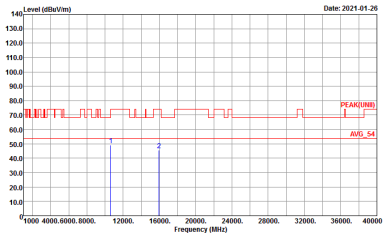
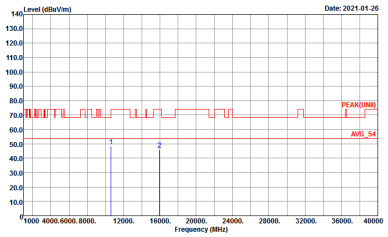
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
11+6	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

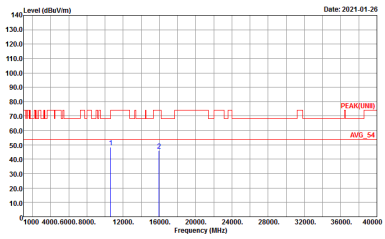
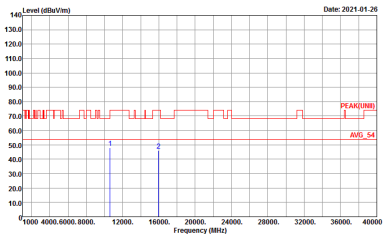
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
11+6	Horizontal	Vertical
Peak Avg.		

Band 2 - 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
11+6	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 110409	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 110409