FCC RADIO TEST REPORT

FCC ID	:	**2AFZZK1G**
Equipment	:	**Mobile Phone**
Brand Name	:	**Xiaomi**
Model Name	:	**M2102K1G**
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. 07, 2021 and testing was started from Jan. 10, 2021 and completed on Jan. 28, 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
FR110703E	01	Initial issue of report	Feb. 10, 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 3.19 dB at 5726.150 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.26 dB at 0.500 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, Wi-Fi 6GHz 802.11ax, NFC, WPC/WPT, and GNSS.

Product Specification subjective to this standard	
Antenna Type	**WWAN:** PIFA Antenna **WLAN 2.4GHz:** <Ant. 5>: PIFA Antenna <Ant. 7>: PIFA Antenna **WLAN 5GHz:** <Ant. 11>: PIFA Antenna <Ant. 8>: PIFA Antenna **WLAN 6GHz:** <Ant. 11>: PIFA Antenna <Ant. 8>: PIFA Antenna **Bluetooth:** <Ant. 5>: PIFA Antenna <Ant. 7>: PIFA Antenna **GPS / Glonass / Galileo / BDS:** PIFA Antenna **NFC:** Planar Antenna **WPC/WPT:** Coil antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 11: -3.56 Ant. 8: -4.12
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 11: -4.03 Ant. 8: -5.01
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 11: -4.57 Ant. 8: -5.34

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.**
	03CH11-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 and WPC Charging Mode. The worst cases (X plane and Z plane for WPC Charging Mode) 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)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

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

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

Note:

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

2.2 Test Mode

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

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**
802.11ac VHT160 (Covered by HE160)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + USB Cable (Charging from Adapter)

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

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

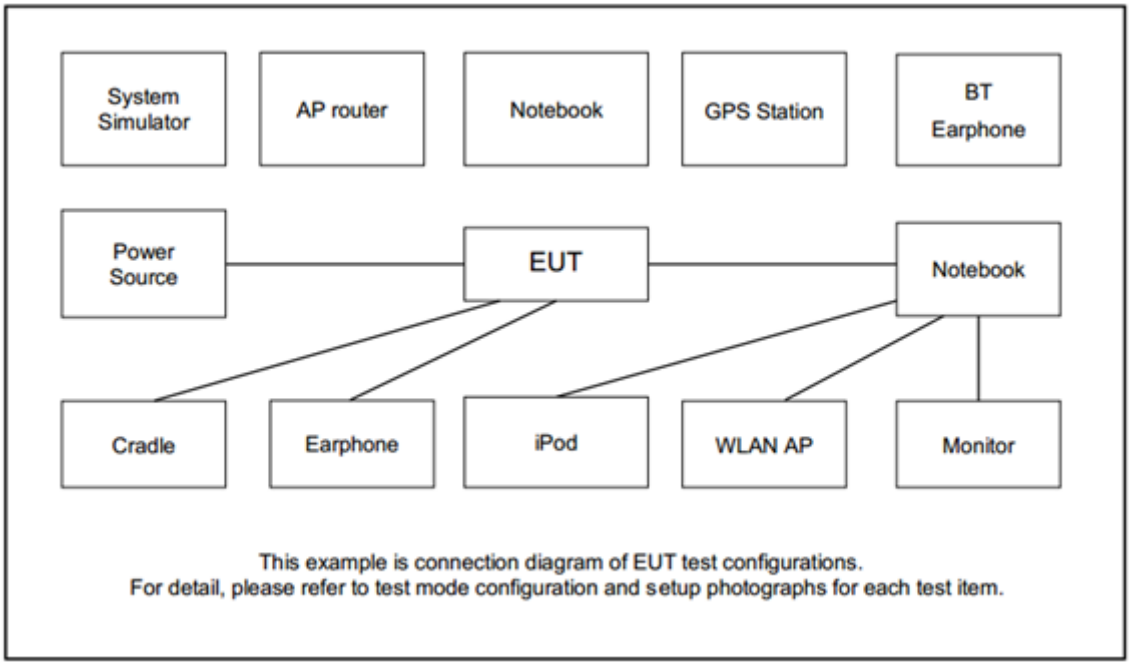
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

BW160	5150-5250 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Mobile Phone	Xiaomi	M2102K1G	2AFZZK1G	N/A	N/A

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.

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

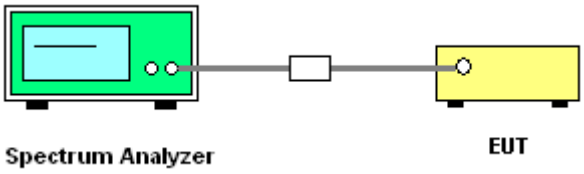
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

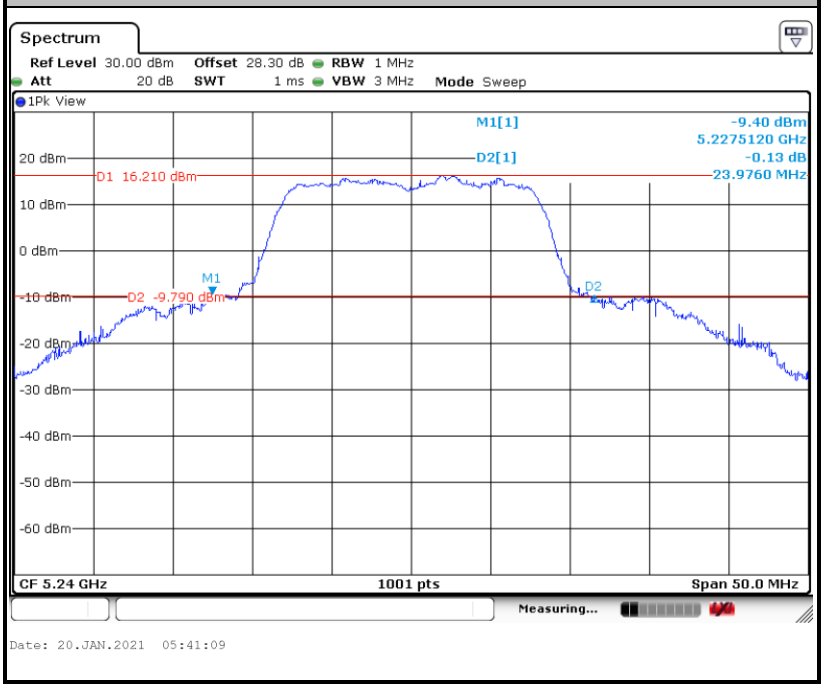
3.1.4 Test Setup



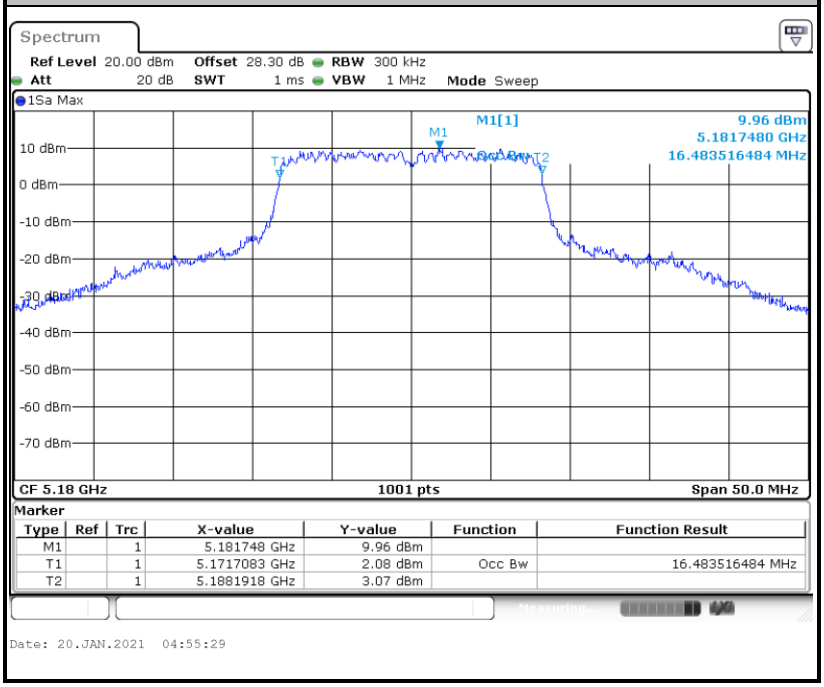
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



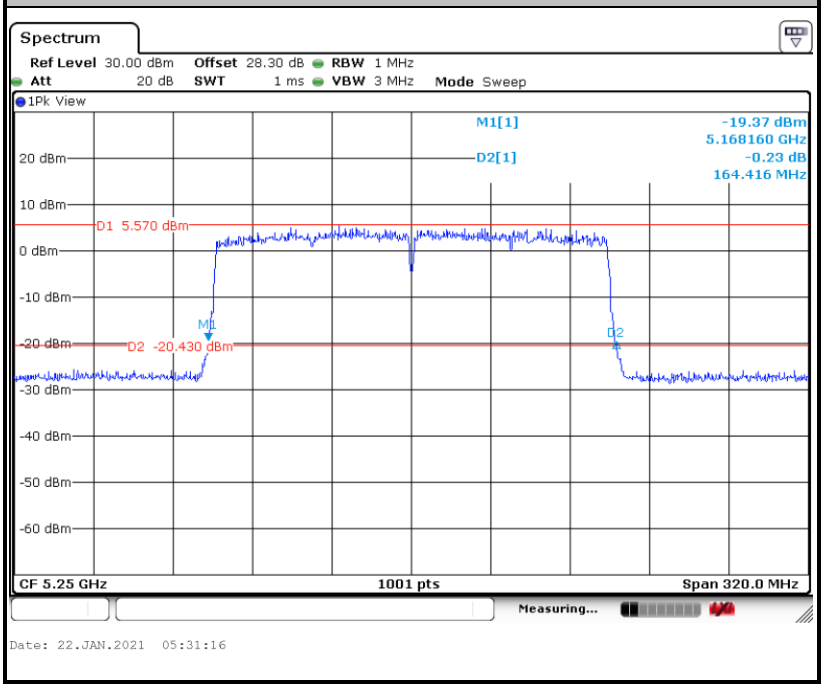
Maximum 99% Occupied Bandwidth



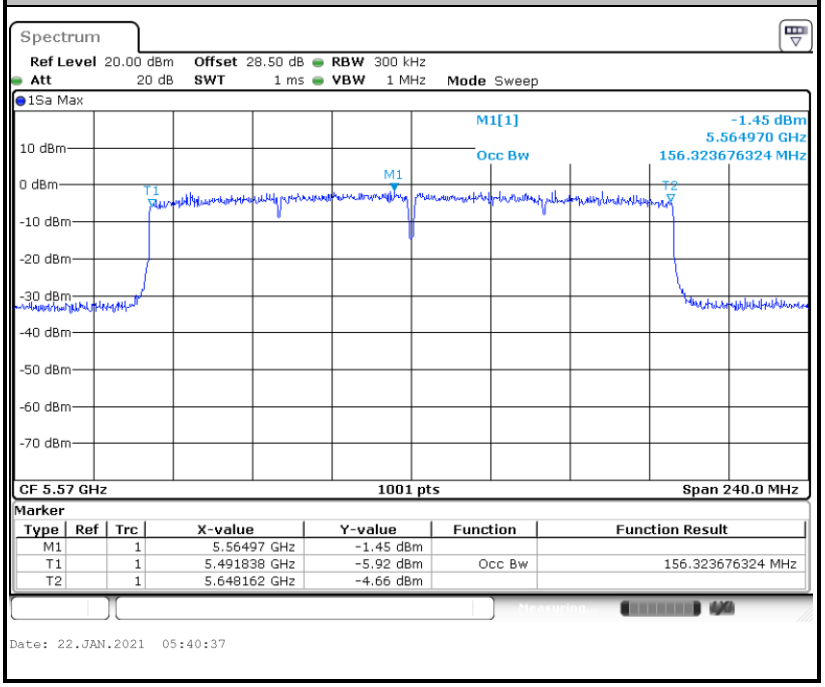
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

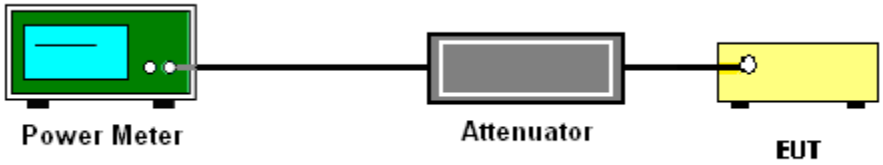
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-3 #

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

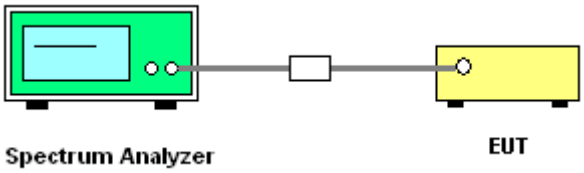
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which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

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

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

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

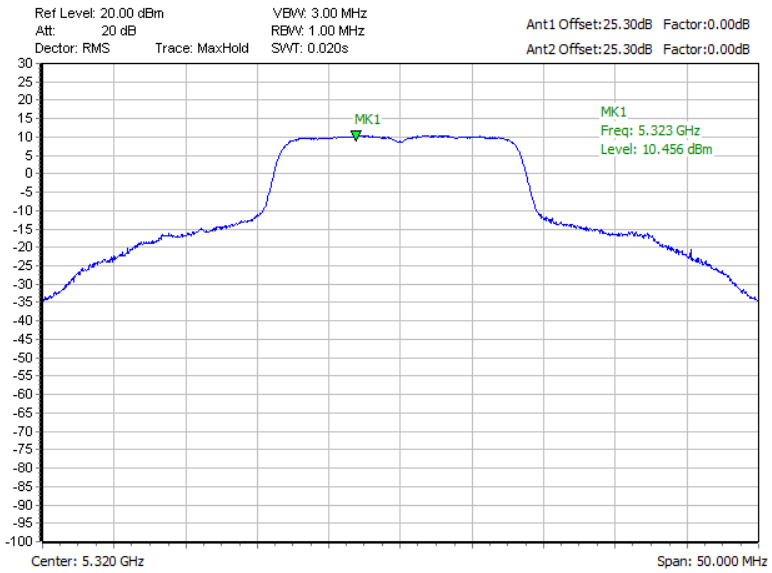
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

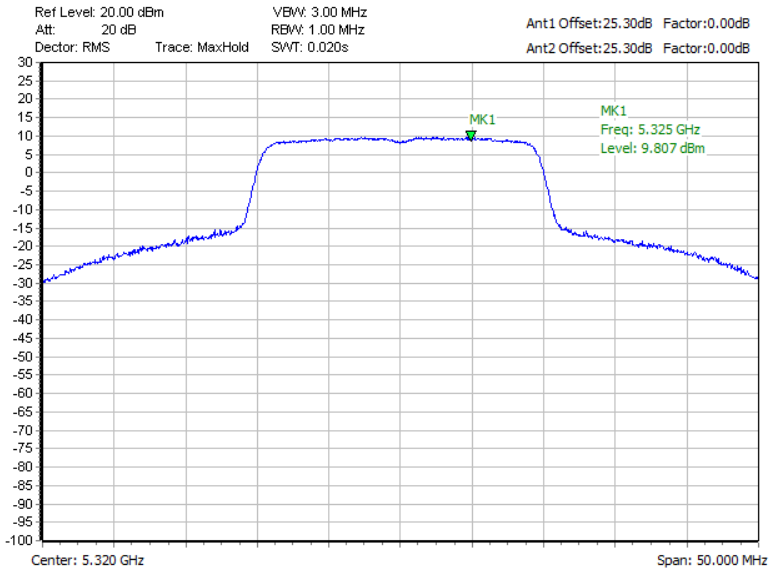
Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



<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.

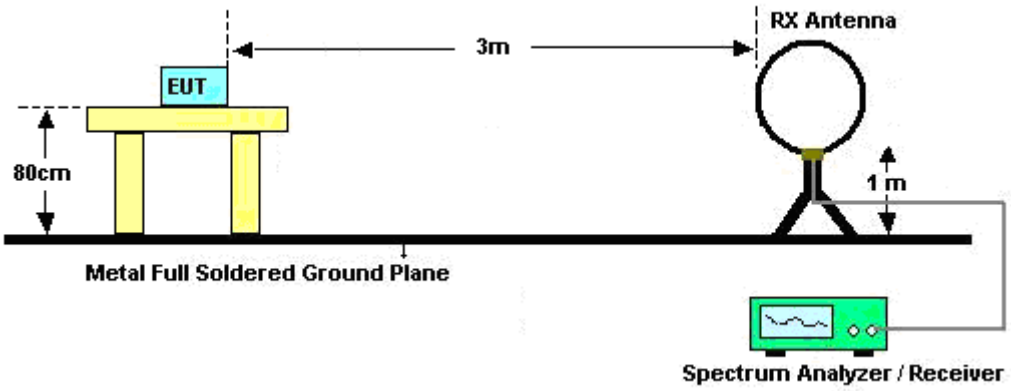
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (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

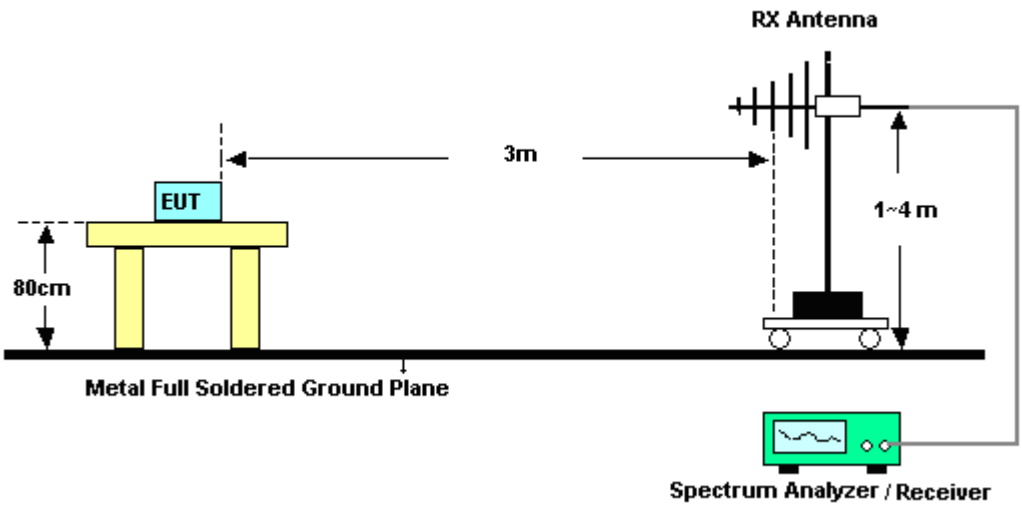
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

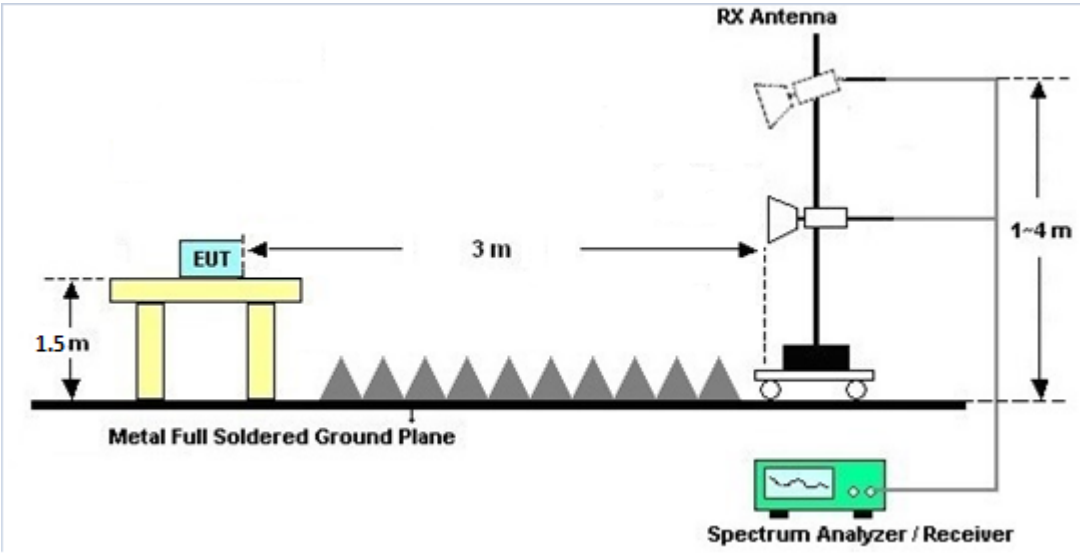
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



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.

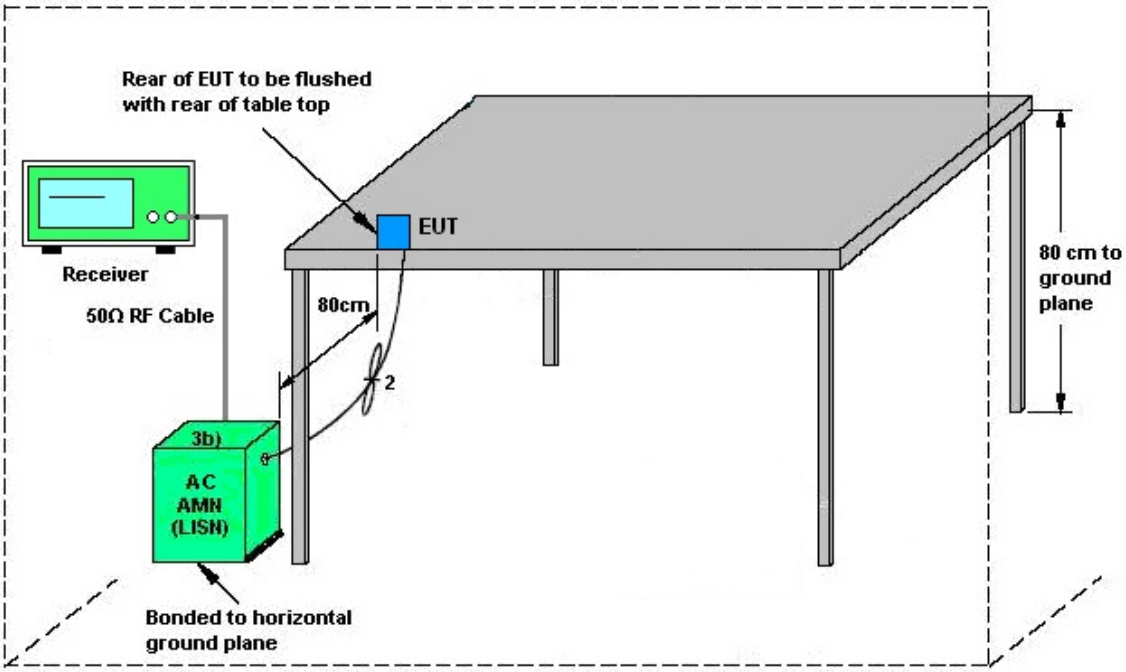
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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. 8 (dBi)	for Power (dBi)	for PSD (dBi)	Limit Reduction (dB)	Limit Reduction (dB)
Band I	-3.56	-4.12	-3.56	-0.83	0.00	0.00
Band II	-4.03	-5.01	-4.03	-1.50	0.00	0.00
Band III	-4.57	-5.34	-4.57	-1.94	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. 10, 2021~ Jan. 28, 2021	Jul. 13, 2021	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Nov. 03, 2020	Jan. 10, 2021~ Jan. 28, 2021	Nov. 02, 2021	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00994	18GHz- 40GHz	Nov. 29, 2020	Jan. 10, 2021~ Jan. 28, 2021	Nov. 28, 2021	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 11, 2020	Jan. 10, 2021~ Jan. 28, 2021	Oct. 10, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 12, 2020	Jan. 10, 2021~ Jan. 28, 2021	Nov. 11, 2021	Radiation (03CH11-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Oct. 27, 2020	Jan. 10, 2021~ Jan. 28, 2021	Oct. 26, 2021	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 15, 2020	Jan. 10, 2021~ Jan. 28, 2021	Jun. 14, 2021	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 02, 2020	Jan. 10, 2021~ Jan. 28, 2021	Dec. 01, 2021	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Feb. 10, 2020	Jan. 10, 2021~ Jan. 28, 2021	Feb. 09, 2021	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY55420170	20MHz~8.4GHz	Oct. 23, 2020	Jan. 10, 2021~ Jan. 28, 2021	Oct. 22, 2021	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 10, 2021~ Jan. 28, 2021	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 10, 2021~ Jan. 28, 2021	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jan. 10, 2021~ Jan. 28, 2021	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Jan. 10, 2021~ Jan. 28, 2021	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 12, 2020	Jan. 10, 2021~ Jan. 28, 2021	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 12, 2020	Jan. 10, 2021~ Jan. 28, 2021	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 12, 2020	Jan. 10, 2021~ Jan. 28, 2021	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 12, 2020	Jan. 10, 2021~ Jan. 28, 2021	Mar. 11, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 14, 2020	Jan. 10, 2021~ Jan. 28, 2021	Sep. 13, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 15, 2020	Jan. 10, 2021~ Jan. 28, 2021	Sep. 14, 2021	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	QA-3-031	Oct. 22, 2020	Jan. 10, 2021~ Jan. 28, 2021	Oct. 21, 2021	Radiation (03CH11-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. 12, 2021~ Jan. 23, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 09, 2020	Jan. 12, 2021~ Jan. 23, 2021	Dec. 08, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Jan. 12, 2021~ Jan. 23, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Jan. 12, 2021~ Jan. 23, 2021	Mar. 16, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 21, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jan. 21, 2021	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Jan. 21, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Jan. 21, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 21, 2021	N/A	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Jan. 21, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	ESHVTSD 9561-F N3-Z2	109561-F N0037308 51	9kHz-200MHz	Nov. 02, 2020	Jan. 21, 2021	Nov. 01, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.4

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu	Temperature:	19.6~24.7	°C
Test Date:	2020/1/12~1/23	Relative Humidity:	46.7~57.5	%

Report Number : FR110703E

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 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	36	5180	16.43	16.48	20.88	23.58	-		22.16			
11a	6Mbps	2	44	5220	16.43	16.48	20.78	23.73	-		22.16			
11a	6Mbps	2	48	5240	16.43	16.48	20.83	23.98	-		22.16			

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	36	5180	17.50	18.20	20.87	24.00		-3.56			Pass
11a	6Mbps	2	44	5220	17.60	18.30	20.97	24.00		-3.56			Pass
11a	6Mbps	2	48	5240	17.50	18.20	20.87	24.00		-3.56			Pass
HT20	MCS0	2	36	5180	17.20	18.10	20.68	24.00		-3.56			Pass
HT20	MCS0	2	44	5220	17.40	18.10	20.77	24.00		-3.56			Pass
HT20	MCS0	2	48	5240	17.40	18.20	20.83	24.00		-3.56			Pass
HT40	MCS0	2	38	5190	16.40	17.30	19.88	24.00		-3.56			Pass
HT40	MCS0	2	46	5230	16.50	17.20	19.87	24.00		-3.56			Pass
VHT20	MCS0	2	36	5180	17.10	18.00	20.58	24.00		-3.56			Pass
VHT20	MCS0	2	44	5220	17.30	18.00	20.67	24.00		-3.56			Pass
VHT20	MCS0	2	48	5240	17.30	18.10	20.73	24.00		-3.56			Pass
VHT40	MCS0	2	38	5190	16.30	17.20	19.78	24.00		-3.56			Pass
VHT40	MCS0	2	46	5230	16.40	17.10	19.77	24.00		-3.56			Pass
VHT80	MCS0	2	42	5210	15.60	16.20	18.92	24.00		-3.56			Pass
VHT160	MCS0	2	50	5250	14.60	15.50	18.08	24.00		-3.56			Pass

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	36	5180			10.15	11.00		-0.83			Pass
11a	6Mbps	2	44	5220			10.27	11.00		-0.83			Pass
11a	6Mbps	2	48	5240			10.42	11.00		-0.83			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	
11a	6Mbps	2	52	5260	16.43	16.48	21.13	23.88	23.16		29.16		23.98		
11a	6Mbps	2	60	5300	16.43	16.43	21.03	23.18	23.16		29.16		23.98		
11a	6Mbps	2	64	5320	16.43	16.43	20.83	21.98	23.16		29.16		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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	52	5260	17.80	18.50	21.17	23.98		-4.03		30	Pass
11a	6Mbps	2	60	5300	17.50	18.30	20.93	23.98		-4.03		30	Pass
11a	6Mbps	2	64	5320	17.40	18.30	20.88	23.98		-4.03		30	Pass
HT20	MCS0	2	52	5260	17.70	18.50	21.13	23.98		-4.03		30	Pass
HT20	MCS0	2	60	5300	17.50	18.30	20.93	23.98		-4.03		30	Pass
HT20	MCS0	2	64	5320	17.50	18.30	20.93	23.98		-4.03		30	Pass
HT40	MCS0	2	54	5270	16.70	17.60	20.18	23.98		-4.03		30	Pass
HT40	MCS0	2	62	5310	16.70	17.50	20.13	23.98		-4.03		30	Pass
VHT20	MCS0	2	52	5260	17.60	18.40	21.03	23.98		-4.03		30	Pass
VHT20	MCS0	2	60	5300	17.40	18.20	20.83	23.98		-4.03		30	Pass
VHT20	MCS0	2	64	5320	17.40	18.20	20.83	23.98		-4.03		30	Pass
VHT40	MCS0	2	54	5270	16.60	17.50	20.08	23.98		-4.03		30	Pass
VHT40	MCS0	2	62	5310	16.60	17.40	20.03	23.98		-4.03		30	Pass
VHT80	MCS0	2	58	5290	15.60	16.50	19.08	23.98		-4.03		30	Pass

Report Number : FR110703E

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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	52	5260			10.45	11.00		-1.50			Pass
11a	6Mbps	2	60	5300			10.43	11.00		-1.50			Pass
11a	6Mbps	2	64	5320			10.46	11.00		-1.50			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8
11a	6Mbps	2	100	5500	16.43	16.38	21.18	20.78	23.14		29.14		23.98		----	----
11a	6Mbps	2	116	5580	16.43	16.38	21.18	20.43	23.14		29.14		23.98		----	----
11a	6Mbps	2	140	5700	16.48	16.38	21.23	20.38	23.14		29.14		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8
11a	6Mbps	2	144	5720	13.29	13.24	15.54	15.24	22.22		28.22		22.83		3.092	3.1417

Report Number : FR110703E

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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	100	5500	17.60	18.30	20.97	23.98		-4.57		30	Pass
11a	6Mbps	2	116	5580	17.70	17.90	20.81	23.98		-4.57		30	Pass
11a	6Mbps	2	140	5700	17.60	17.40	20.51	23.98		-4.57		30	Pass
HT20	MCS0	2	100	5500	17.60	18.30	20.97	23.98		-4.57		30	Pass
HT20	MCS0	2	116	5580	17.80	17.80	20.81	23.98		-4.57		30	Pass
HT20	MCS0	2	140	5700	17.60	17.30	20.46	23.98		-4.57		30	Pass
HT40	MCS0	2	102	5510	16.60	17.40	20.03	23.98		-4.57		30	Pass
HT40	MCS0	2	110	5550	16.70	16.90	19.81	23.98		-4.57		30	Pass
HT40	MCS0	2	134	5670	16.50	16.70	19.61	23.98		-4.57		30	Pass
VHT20	MCS0	2	100	5500	17.50	18.20	20.87	23.98		-4.57		30	Pass
VHT20	MCS0	2	116	5580	17.70	17.70	20.71	23.98		-4.57		30	Pass
VHT20	MCS0	2	140	5700	17.50	17.20	20.36	23.98		-4.57		30	Pass
VHT40	MCS0	2	102	5510	16.50	17.30	19.93	23.98		-4.57		30	Pass
VHT40	MCS0	2	110	5550	16.60	16.80	19.71	23.98		-4.57		30	Pass
VHT40	MCS0	2	134	5670	16.40	16.60	19.51	23.98		-4.57		30	Pass
VHT80	MCS0	2	106	5530	15.50	16.40	18.98	23.98		-4.57		30	Pass
VHT80	MCS0	2	122	5610	15.50	16.00	18.77	23.98		-4.57		30	Pass
VHT160	MCS0	2	114	5570	14.50	15.10	17.82	23.98		-4.57		30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 11	Ant 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	144	5720	17.70	17.40	20.56	22.83		-4.57		30	Pass
HT20	MCS0	2	144	5720	17.70	17.40	20.56	23.98		-4.57		30	Pass
HT40	MCS0	2	142	5710	16.40	16.40	19.41	23.98		-4.57		30	Pass
VHT20	MCS0	2	144	5720	17.60	17.30	20.46	23.98		-4.57		30	Pass
VHT40	MCS0	2	142	5710	16.30	16.30	19.31	23.98		-4.57		30	Pass
VHT80	MCS0	2	138	5690	15.70	15.50	18.61	23.98		-4.57		30	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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	100	5500			9.83	11.00		-1.94			Pass
11a	6Mbps	2	116	5580			9.60	11.00		-1.94			Pass
11a	6Mbps	2	140	5700			9.33	11.00		-1.94			Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 11	Ant 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
11a	6Mbps	2	144	5720			9.38	11.00		-1.94			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 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	36	5180	Full	18.98	19.03	22.68	24.48	-		22.78			
HE20	MCS0	2	44	5220	Full	18.98	19.03	22.78	23.68	-		22.78			
HE20	MCS0	2	48	5240	Full	18.98	19.03	22.78	23.78	-		22.78			
HE40	MCS0	2	38	5190	Full	37.96	38.06	41.54	41.45	-		23.01			
HE40	MCS0	2	46	5230	Full	37.86	38.06	41.45	41.63	-		23.01			
HE80	MCS0	2	42	5210	Full	78.04	78.28	82.32	82.32	-		23.01			
HE160	MCS0	2	50	5250	Full	156.08	156.08	164.42	164.09	-		23.01			

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	36	5180	Full	17.30	18.20	20.78	24.00		-3.56			Pass
HE20	MCS0	2	36	5180	26/0	8.20	8.10	11.16	24.00		-3.56			Pass
HE20	MCS0	2	36	5180	52/37	10.70	11.60	14.18	24.00		-3.56			Pass
HE20	MCS0	2	36	5180	106/53	13.50	14.30	16.93	24.00		-3.56			Pass
HE20	MCS0	2	44	5220	Full	17.50	18.20	20.87	24.00		-3.56			Pass
HE20	MCS0	2	44	5220	26/4	8.30	9.20	11.78	24.00		-3.56			Pass
HE20	MCS0	2	44	5220	52/39	10.90	11.80	14.38	24.00		-3.56			Pass
HE20	MCS0	2	44	5220	106/53	14.00	14.90	17.48	24.00		-3.56			Pass
HE20	MCS0	2	48	5240	Full	17.50	18.30	20.93	24.00		-3.56			Pass
HE20	MCS0	2	48	5240	26/8	8.40	8.70	11.56	24.00		-3.56			Pass
HE20	MCS0	2	48	5240	52/40	11.60	11.80	14.71	24.00		-3.56			Pass
HE20	MCS0	2	48	5240	106/54	15.90	15.20	18.57	24.00		-3.56			Pass
HE40	MCS0	2	38	5190	Full	16.50	17.40	19.98	24.00		-3.56			Pass
HE40	MCS0	2	38	5190	242/61	13.10	14.30	16.75	24.00		-3.56			Pass
HE40	MCS0	2	46	5230	Full	16.60	17.30	19.97	24.00		-3.56			Pass
HE40	MCS0	2	46	5230	242/62	12.90	14.20	16.61	24.00		-3.56			Pass
HE80	MCS0	2	42	5210	Full	15.70	16.30	19.02	24.00		-3.56			Pass
HE80	MCS0	2	42	5210	484/65	13.30	14.10	16.73	24.00		-3.56			Pass
HE160	MCS0	2	50	5250	Full	14.60	15.50	18.08	24.00		-3.56			Pass
HE160	MCS0	2	50	5250	996/67	11.80	12.70	15.28	24.00		-3.56			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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	36	5180	Full			9.38	11.00		-0.83			Pass
HE20	MCS0	2	36	5180	26/0			8.76	11.00		-0.83			Pass
HE20	MCS0	2	36	5180	52/37			8.87	11.00		-0.83			Pass
HE20	MCS0	2	36	5180	106/53			8.69	11.00		-0.83			Pass
HE20	MCS0	2	44	5220	Full			9.47	11.00		-0.83			Pass
HE20	MCS0	2	44	5220	26/4			8.85	11.00		-0.83			Pass
HE20	MCS0	2	44	5220	52/39			9.46	11.00		-0.83			Pass
HE20	MCS0	2	44	5220	106/53			9.18	11.00		-0.83			Pass
HE20	MCS0	2	48	5240	Full			9.48	11.00		-0.83			Pass
HE20	MCS0	2	48	5240	26/8			8.71	11.00		-0.83			Pass
HE20	MCS0	2	48	5240	52/40			8.92	11.00		-0.83			Pass
HE20	MCS0	2	48	5240	106/54			9.03	11.00		-0.83			Pass
HE40	MCS0	2	38	5190	Full			5.75	11.00		-0.83			Pass
HE40	MCS0	2	38	5190	242/61			5.52	11.00		-0.83			Pass
HE40	MCS0	2	46	5230	Full			5.70	11.00		-0.83			Pass
HE40	MCS0	2	46	5230	242/62			5.39	11.00		-0.83			Pass
HE80	MCS0	2	42	5210	Full			2.22	11.00		-0.83			Pass
HE80	MCS0	2	42	5210	484/65			2.03	11.00		-0.83			Pass
HE160	MCS0	2	50	5250	Full			-1.80	11.00		-0.83			Pass
HE160	MCS0	2	50	5250	996/67			-1.92	11.00		-0.83			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 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	
HE20	MCS0	2	52	5260	Full	18.98	19.03	22.68	24.68	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	18.98	19.03	22.58	23.83	23.78		29.78		23.98		
HE20	MCS0	2	64	5320	Full	18.98	19.08	22.73	24.08	23.78		29.78		23.98		
HE40	MCS0	2	54	5270	Full	37.96	38.06	41.27	41.54	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	38.06	41.54	41.54	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	78.04	78.28	82.48	83.12	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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	52	5260	Full	17.80	18.60	21.23	23.98		-4.03		30	Pass
HE20	MCS0	2	52	5260	26/0	9.80	9.20	12.52	23.98		-4.03		30	Pass
HE20	MCS0	2	52	5260	52/37	11.80	10.90	14.38	23.98		-4.03		30	Pass
HE20	MCS0	2	52	5260	106/53	14.30	14.10	17.21	23.98		-4.03		30	Pass
HE20	MCS0	2	60	5300	Full	17.60	18.40	21.03	23.98		-4.03		30	Pass
HE20	MCS0	2	60	5300	26/4	10.70	9.80	13.28	23.98		-4.03		30	Pass
HE20	MCS0	2	60	5300	52/39	12.20	11.30	14.78	23.98		-4.03		30	Pass
HE20	MCS0	2	60	5300	106/54	16.00	15.10	18.58	23.98		-4.03		30	Pass
HE20	MCS0	2	64	5320	Full	17.60	18.40	21.03	23.98		-4.03		30	Pass
HE20	MCS0	2	64	5320	26/8	9.40	9.00	12.21	23.98		-4.03		30	Pass
HE20	MCS0	2	64	5320	52/40	12.90	12.20	15.57	23.98		-4.03		30	Pass
HE20	MCS0	2	64	5320	106/54	15.90	15.20	18.57	23.98		-4.03		30	Pass
HE40	MCS0	2	54	5270	Full	16.80	17.70	20.28	23.98		-4.03		30	Pass
HE40	MCS0	2	54	5270	242/61	14.00	14.20	17.11	23.98		-4.03		30	Pass
HE40	MCS0	2	62	5310	Full	16.80	17.60	20.23	23.98		-4.03		30	Pass
HE40	MCS0	2	62	5310	242/62	14.00	14.30	17.16	23.98		-4.03		30	Pass
HE80	MCS0	2	58	5290	Full	15.70	16.60	19.18	23.98		-4.03		30	Pass
HE80	MCS0	2	58	5290	484/66	13.10	13.10	16.11	23.98		-4.03		30	Pass
HE160	MCS0	2	50	5250	996/S67	11.20	12.10	14.68	23.98		-4.03		30	Pass

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	52	5260	Full			9.72	11.00		-1.50			Pass
HE20	MCS0	2	52	5260	26/0			9.51	11.00		-1.50			Pass
HE20	MCS0	2	52	5260	52/37			9.36	11.00		-1.50			Pass
HE20	MCS0	2	52	5260	106/53			9.50	11.00		-1.50			Pass
HE20	MCS0	2	60	5300	Full			9.62	11.00		-1.50			Pass
HE20	MCS0	2	60	5300	26/4			9.58	11.00		-1.50			Pass
HE20	MCS0	2	60	5300	52/39			9.11	11.00		-1.50			Pass
HE20	MCS0	2	60	5300	106/54			9.18	11.00		-1.50			Pass
HE20	MCS0	2	64	5320	Full			9.81	11.00		-1.50			Pass
HE20	MCS0	2	64	5320	26/8			9.35	11.00		-1.50			Pass
HE20	MCS0	2	64	5320	52/40			9.77	11.00		-1.50			Pass
HE20	MCS0	2	64	5320	106/54			9.64	11.00		-1.50			Pass
HE40	MCS0	2	54	5270	Full			5.96	11.00		-1.50			Pass
HE40	MCS0	2	54	5270	242/61			5.49	11.00		-1.50			Pass
HE40	MCS0	2	62	5310	Full			5.99	11.00		-1.50			Pass
HE40	MCS0	2	62	5310	242/62			5.66	11.00		-1.50			Pass
HE80	MCS0	2	58	5290	Full			2.16	11.00		-1.50			Pass
HE80	MCS0	2	58	5290	484/66			1.92	11.00		-1.50			Pass
HE160	MCS0	2	50	5250	996/S67			-1.93	11.00		-1.50			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8
HE20	MCS0	2	100	5500	Full	18.98	18.98	22.68	22.53	23.78		29.78		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.98	22.43	22.68	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.98	22.68	22.63	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	37.96	41.54	41.45	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.96	41.45	41.27	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.96	38.06	41.63	41.63	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	78.16	77.92	82.00	82.00	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	78.16	78.28	82.48	82.00	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.32	156.32	164.33	164.08	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8	Ant 11	Ant 8
HE20	MCS0	2	144	5720	Full	14.54	14.54	16.39	16.44	22.63		28.63		23.15		4.34	4.2902
HE20	MCS0	2	144	5720	26/8	-	-	-	-	-		-		-		-	-
HE20	MCS0	2	144	5720	52/40	-	-	-	-	-		-		-		-	-
HE20	MCS0	2	144	5720	106/54	-	-	-	-	-		-		-		-	-
HE40	MCS0	2	142	5710	Full	33.98	33.90	35.68	35.77	23.98		30.00		23.98		3.881	3.8811
HE40	MCS0	2	142	5710	242/62	-	-	-	-	-		-		-		-	-
HE80	MCS0	2	138	5690	Full	74.08	74.08	76.24	76.40	23.98		30.00		23.98		4.002	3.842
HE80	MCS0	2	138	5690	484/66	-	-	-	-	-		-		-		-	-

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	100	5500	Full	17.70	18.40	21.07	23.98		-4.57		30	Pass
HE20	MCS0	2	100	5500	26/0	9.70	8.80	12.28	23.98		-4.57		30	Pass
HE20	MCS0	2	100	5500	52/37	12.30	11.40	14.88	23.98		-4.57		30	Pass
HE20	MCS0	2	100	5500	106/53	16.00	15.10	18.58	23.98		-4.57		30	Pass
HE20	MCS0	2	116	5580	Full	17.90	17.90	20.91	23.98		-4.57		30	Pass
HE20	MCS0	2	116	5580	26/4	9.00	9.40	12.21	23.98		-4.57		30	Pass
HE20	MCS0	2	116	5580	52/38	11.00	11.50	14.27	23.98		-4.57		30	Pass
HE20	MCS0	2	116	5580	106/53	13.80	14.50	17.17	23.98		-4.57		30	Pass
HE20	MCS0	2	140	5700	Full	17.70	17.40	20.56	23.98		-4.57		30	Pass
HE20	MCS0	2	140	5700	26/8	7.80	7.50	10.66	23.98		-4.57		30	Pass
HE20	MCS0	2	140	5700	52/40	10.90	10.60	13.76	23.98		-4.57		30	Pass
HE20	MCS0	2	140	5700	106/54	13.50	13.50	16.51	23.98		-4.57		30	Pass
HE40	MCS0	2	102	5510	Full	16.70	17.50	20.13	23.98		-4.57		30	Pass
HE40	MCS0	2	102	5510	242/61	13.00	14.30	16.71	23.98		-4.57		30	Pass
HE40	MCS0	2	110	5550	Full	16.80	17.00	19.91	23.98		-4.57		30	Pass
HE40	MCS0	2	110	5550	242/61	13.40	13.90	16.67	23.98		-4.57		30	Pass
HE40	MCS0	2	134	5670	Full	16.60	16.80	19.71	23.98		-4.57		30	Pass
HE40	MCS0	2	134	5670	242/62	13.30	14.00	16.67	23.98		-4.57		30	Pass
HE80	MCS0	2	106	5530	Full	15.60	16.50	19.08	23.98		-4.57		30	Pass
HE80	MCS0	2	106	5530	484/65	12.80	13.60	16.23	23.98		-4.57		30	Pass
HE80	MCS0	2	122	5610	Full	15.60	16.10	18.87	23.98		-4.57		30	Pass
HE80	MCS0	2	122	5610	484/66	12.50	12.90	15.71	23.98		-4.57		30	Pass
HE160	MCS0	2	114	5570	Full	14.50	15.10	17.82	23.98		-4.57		30	Pass
HE160	MCS0	2	114	5570	996/67	11.20	12.10	14.68	23.98		-4.57		30	Pass
HE160	MCS0	2	114	5570	996/S67	10.70	11.60	14.18	23.98		-4.57		30	Pass

FCC Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 11	Ant 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	144	5720	Full	17.80	17.50	20.66	23.15		-4.57		30	Pass
HE20	MCS0	2	144	5720	26/8	7.50	7.30	10.41	23.15		-4.57		30	Pass
HE20	MCS0	2	144	5720	52/40	10.50	10.40	13.46	23.15		-4.57		30	Pass
HE20	MCS0	2	144	5720	106/54	13.00	12.90	15.96	23.15		-4.57		30	Pass
HE40	MCS0	2	142	5710	Full	16.50	16.50	19.51	23.98		-4.57		30	Pass
HE40	MCS0	2	142	5710	242/62	13.20	13.10	16.16	23.98		-4.57		30	Pass
HE80	MCS0	2	138	5690	Full	15.80	15.60	18.71	23.98		-4.57		30	Pass
HE80	MCS0	2	138	5690	484/66	12.60	12.20	15.41	23.98		-4.57		30	Pass

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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 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	100	5500	Full			9.49	11.00		-1.94			Pass
HE20	MCS0	2	100	5500	26/0			9.45	11.00		-1.94			Pass
HE20	MCS0	2	100	5500	52/37			9.00	11.00		-1.94			Pass
HE20	MCS0	2	100	5500	106/53			9.06	11.00		-1.94			Pass
HE20	MCS0	2	116	5580	Full			9.14	11.00		-1.94			Pass
HE20	MCS0	2	116	5580	26/4			9.11	11.00		-1.94			Pass
HE20	MCS0	2	116	5580	52/38			8.73	11.00		-1.94			Pass
HE20	MCS0	2	116	5580	106/53			8.91	11.00		-1.94			Pass
HE20	MCS0	2	140	5700	Full			9.03	11.00		-1.94			Pass
HE20	MCS0	2	140	5700	26/8			8.58	11.00		-1.94			Pass
HE20	MCS0	2	140	5700	52/40			9.00	11.00		-1.94			Pass
HE20	MCS0	2	140	5700	106/54			8.91	11.00		-1.94			Pass
HE40	MCS0	2	102	5510	Full			5.69	11.00		-1.94			Pass
HE40	MCS0	2	102	5510	242/61			5.47	11.00		-1.94			Pass
HE40	MCS0	2	110	5550	Full			5.68	11.00		-1.94			Pass
HE40	MCS0	2	110	5550	242/61			5.25	11.00		-1.94			Pass
HE40	MCS0	2	134	5670	Full			5.27	11.00		-1.94			Pass
HE40	MCS0	2	134	5670	242/62			5.03	11.00		-1.94			Pass
HE80	MCS0	2	106	5530	Full			2.08	11.00		-1.94			Pass
HE80	MCS0	2	106	5530	484/65			1.89	11.00		-1.94			Pass
HE80	MCS0	2	122	5610	Full			1.66	11.00		-1.94			Pass
HE80	MCS0	2	122	5610	484/66			1.39	11.00		-1.94			Pass
HE160	MCS0	2	114	5570	Full			-2.35	11.00		-1.94			Pass
HE160	MCS0	2	114	5570	996/67			-2.67	11.00		-1.94			Pass
HE160	MCS0	2	114	5570	996/S67			-2.49	11.00		-1.94			Pass

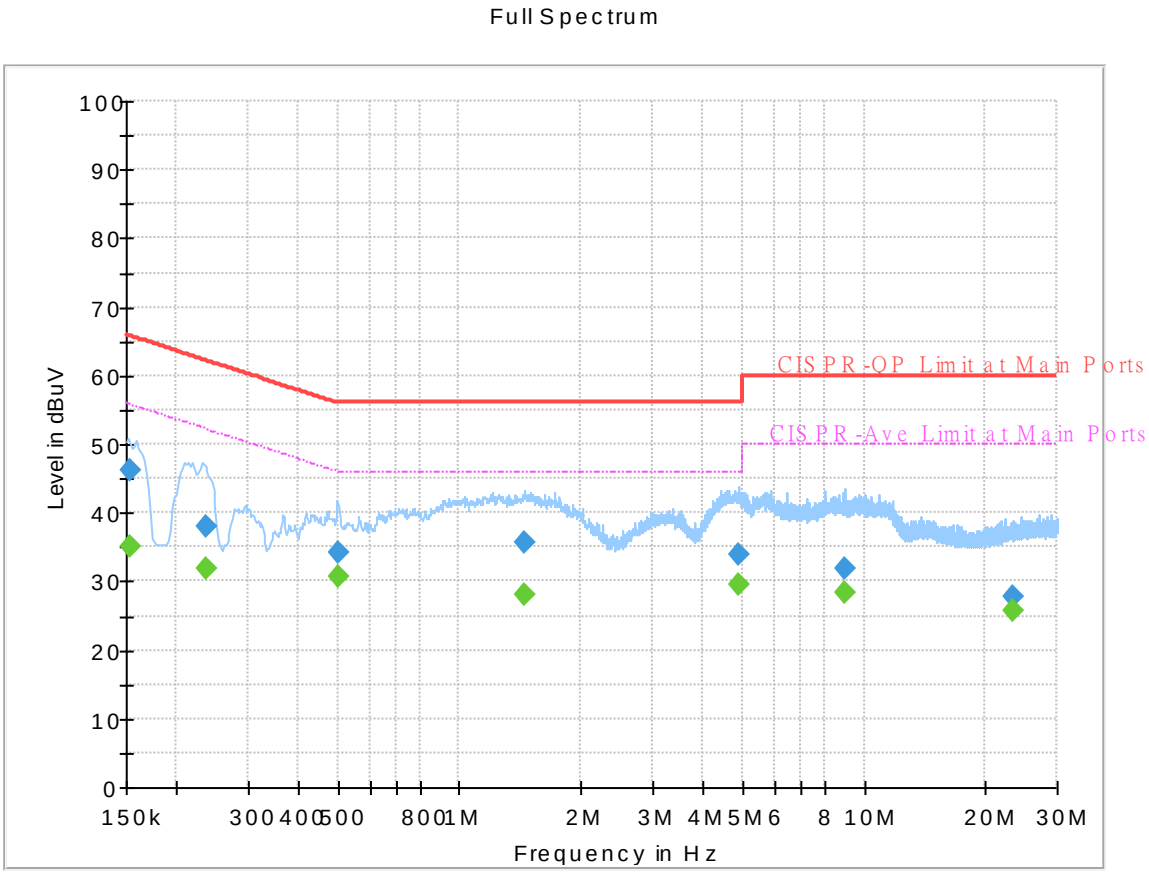
Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 11	Ant 8	SUM	Ant 11	Ant 8	Ant 11	Ant 8		
HE20	MCS0	2	144	5720	Full			9.06	11.00		-1.94			Pass
HE20	MCS0	2	144	5720	26/8			8.87	11.00		-1.94			Pass
HE20	MCS0	2	144	5720	52/40			8.97	11.00		-1.94			Pass
HE20	MCS0	2	144	5720	106/54			8.44	11.00		-1.94			Pass
HE40	MCS0	2	142	5710	Full			5.21	11.00		-1.94			Pass
HE40	MCS0	2	142	5710	242/62			4.98	11.00		-1.94			Pass
HE80	MCS0	2	138	5690	Full			1.44	11.00		-1.94			Pass
HE80	MCS0	2	138	5690	484/66			1.38	11.00		-1.94			Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	110703
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

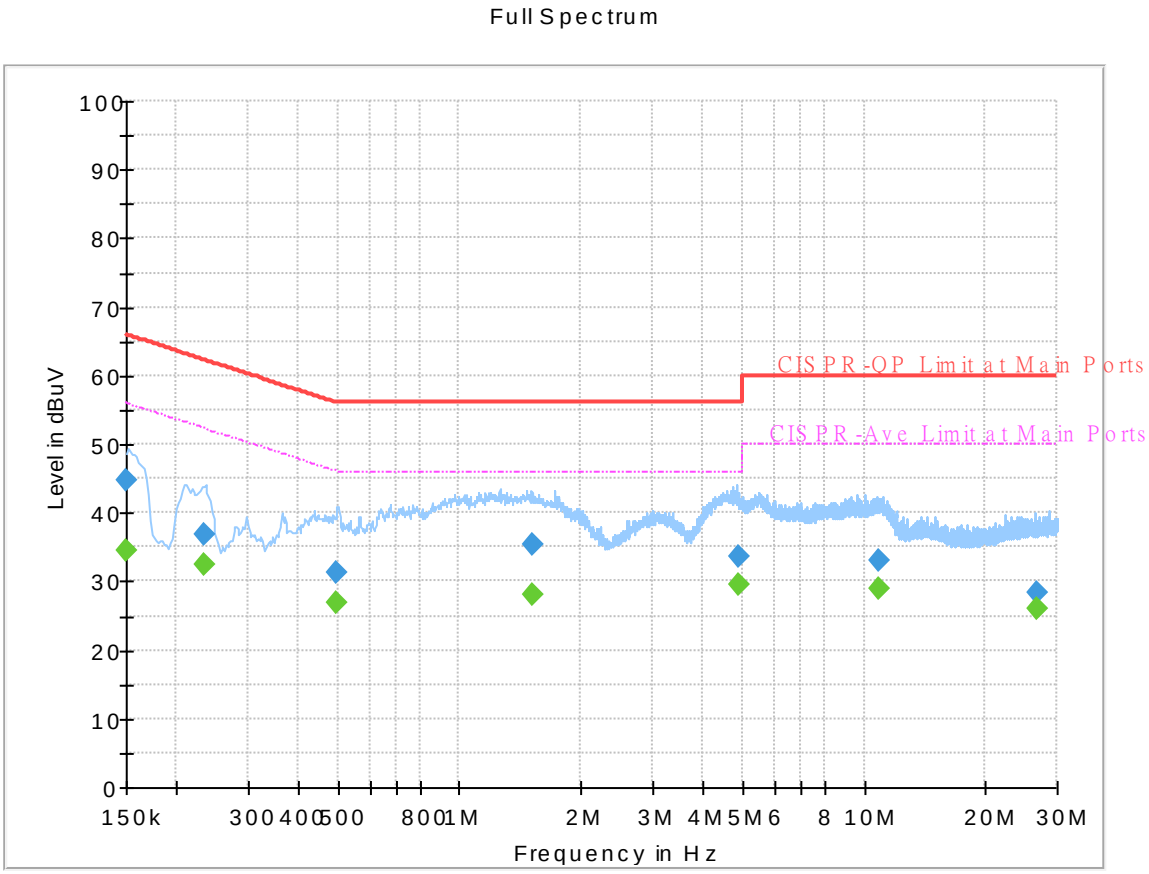


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152903	---	35.17	55.84	20.67	L1	OFF	19.7
0.152903	46.24	---	65.84	19.60	L1	OFF	19.7
0.235500	---	31.90	52.25	20.35	L1	OFF	19.7
0.235500	38.09	---	62.25	24.16	L1	OFF	19.7
0.499740	---	30.74	46.00	15.26	L1	OFF	19.9
0.499740	34.18	---	56.00	21.82	L1	OFF	19.9
1.450770	---	28.17	46.00	17.83	L1	OFF	20.2
1.450770	35.74	---	56.00	20.26	L1	OFF	20.2
4.913250	---	29.60	46.00	16.40	L1	OFF	20.1
4.913250	33.95	---	56.00	22.05	L1	OFF	20.1
8.985750	---	28.48	50.00	21.52	L1	OFF	20.2
8.985750	31.94	---	60.00	28.06	L1	OFF	20.2
23.338320	---	25.64	50.00	24.36	L1	OFF	20.6
23.338320	27.92	---	60.00	32.08	L1	OFF	20.6

EUT Information

Report NO :	110703
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)
0.150000	---	34.63	56.00	21.37	N	OFF	19.7
0.150000	44.68	---	66.00	21.32	N	OFF	19.7
0.233250	---	32.46	52.33	19.87	N	OFF	19.7
0.233250	36.79	---	62.33	25.54	N	OFF	19.7
0.494250	---	27.00	46.10	19.10	N	OFF	19.9
0.494250	31.28	---	56.10	24.82	N	OFF	19.9
1.520250	---	28.03	46.00	17.97	N	OFF	20.3
1.520250	35.38	---	56.00	20.62	N	OFF	20.3
4.902720	---	29.45	46.00	16.55	N	OFF	20.1
4.902720	33.71	---	56.00	22.29	N	OFF	20.1
10.936590	---	29.06	50.00	20.94	N	OFF	20.3
10.936590	33.14	---	60.00	26.86	N	OFF	20.3
26.756970	---	26.03	50.00	23.97	N	OFF	20.9
26.756970	28.29	---	60.00	31.71	N	OFF	20.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Cheng, Fu Chen, Troye Hsieh	Temperature :	18.8~24°C
		Relative Humidity :	33.2~66.1%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 11+8	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		5150	54.16	-19.84	74	45.19	31.8	9.97	32.8	110	242	P	H
		5150	44.9	-9.1	54	35.93	31.8	9.97	32.8	110	242	A	H
	*	5180	107.2	-	-	98.38	31.62	10.01	32.81	110	242	P	H
	*	5180	99.71	-	-	90.89	31.62	10.01	32.81	110	242	A	H
													H
													H
		5148.72	53.37	-20.63	74	44.4	31.8	9.97	32.8	322	114	P	V
		5149.24	43.18	-10.82	54	34.21	31.8	9.97	32.8	322	114	A	V
	*	5180	104.72	-	-	95.9	31.62	10.01	32.81	322	114	P	V
	*	5180	97.95	-	-	89.13	31.62	10.01	32.81	322	114	A	V
													V
													V
802.11a CH 44 5220MHz		5109.46	49.99	-24.01	74	40.98	31.88	9.91	32.78	102	242	P	H
		5093.6	40.32	-13.68	54	31.33	31.87	9.89	32.77	102	242	A	H
	*	5220	107.34	-	-	98.73	31.38	10.06	32.83	102	242	P	H
	*	5220	99.9	-	-	91.29	31.38	10.06	32.83	102	242	A	H
		5416.56	48.52	-25.48	74	39.79	31.47	10.2	32.94	102	242	P	H
		5457.84	38.88	-15.12	54	29.99	31.62	10.23	32.96	102	242	A	H
		5093.08	50.78	-23.22	74	41.8	31.87	9.88	32.77	352	111	P	V
		5096.2	40.32	-13.68	54	31.32	31.88	9.89	32.77	352	111	A	V
	*	5220	104.16	-	-	95.55	31.38	10.06	32.83	352	111	P	V
	*	5220	97.07	-	-	88.46	31.38	10.06	32.83	352	111	A	V
		5429.04	48.32	-25.68	74	39.53	31.52	10.21	32.94	352	111	P	V
		5459.28	38.79	-15.21	54	29.9	31.62	10.23	32.96	352	111	A	V

802.11a CH 48 5240MHz		5082.42	50.04	-23.96	74	41.1	31.83	9.87	32.76	108	242	P	H
		5086.06	40.31	-13.69	54	31.36	31.84	9.87	32.76	108	242	A	H
	*	5240	107	-	-	98.51	31.26	10.07	32.84	108	242	P	H
	*	5240	99.45	-	-	90.96	31.26	10.07	32.84	108	242	A	H
		5434.56	48.83	-25.17	74	40.02	31.54	10.22	32.95	108	242	P	H
		5458.56	38.86	-15.14	54	29.97	31.62	10.23	32.96	108	242	A	H
		5082.42	50.26	-23.74	74	41.32	31.83	9.87	32.76	334	109	P	V
		5093.6	40.29	-13.71	54	31.3	31.87	9.89	32.77	334	109	A	V
	*	5240	103.19	-	-	94.7	31.26	10.07	32.84	334	109	P	V
	*	5240	96.17	-	-	87.68	31.26	10.07	32.84	334	109	A	V
		5458.08	48.59	-25.41	74	39.7	31.62	10.23	32.96	334	109	P	V
		5460	38.81	-15.19	54	29.92	31.62	10.23	32.96	334	109	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+8	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	46.35	-21.85	68.2	56.09	39.68	17.3	66.72	100	0	P	H
		15540	47.31	-26.69	74	54.04	38.08	21.32	66.13	100	0	P	H
													H
													H
		10360	46.84	-21.36	68.2	56.58	39.68	17.3	66.72	100	0	P	V
		15540	46.65	-27.35	74	53.38	38.08	21.32	66.13	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	47.47	-20.73	68.2	57.03	39.88	17.3	66.74	100	0	P	H
		15660	47.66	-26.34	74	54.78	37.84	21.32	66.28	100	0	P	H
													H
													H
		10440	46.68	-21.52	68.2	56.24	39.88	17.3	66.74	100	0	P	V
		15660	48.57	-25.43	74	55.69	37.84	21.32	66.28	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.31	-20.89	68.2	56.8	39.96	17.3	66.75	100	0	P	H
		15720	47.47	-26.53	74	54.81	37.7	21.32	66.36	100	0	P	H
													H
													H
		10480	46.43	-21.77	68.2	55.92	39.96	17.3	66.75	100	0	P	V
		15720	47.13	-26.87	74	54.47	37.7	21.32	66.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 11+8	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		5148.98	53.43	-20.57	74	44.46	31.8	9.97	32.8	118	240	P	H
		5150	43.68	-10.32	54	34.71	31.8	9.97	32.8	118	240	A	H
	*	5180	104.7	-	-	95.88	31.62	10.01	32.81	118	240	P	H
	*	5180	96.04	-	-	87.22	31.62	10.01	32.81	118	240	A	H
													H
													H
		5149.76	54.16	-19.84	74	45.19	31.8	9.97	32.8	349	21	P	V
		5150	44.45	-9.55	54	35.48	31.8	9.97	32.8	349	21	A	V
	*	5180	104.83	-	-	96.01	31.62	10.01	32.81	349	21	P	V
	*	5180	96.17	-	-	87.35	31.62	10.01	32.81	349	21	P	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5041.08	51.28	-22.72	74	42.58	31.63	9.81	32.74	100	238	P	H
		5098.28	40.6	-13.4	54	31.59	31.89	9.89	32.77	100	238	A	H
	*	5220	107.34	-	-	98.73	31.38	10.06	32.83	100	238	P	H
	*	5220	96.89	-	-	88.28	31.38	10.06	32.83	100	238	A	H
		5453.28	48.43	-25.57	74	39.55	31.61	10.23	32.96	100	238	P	H
		5456.64	39.23	-14.77	54	30.35	31.61	10.23	32.96	100	238	A	H
		5062.4	51.15	-22.85	74	42.31	31.75	9.84	32.75	350	113	P	V
		5092.04	40.59	-13.41	54	31.61	31.87	9.88	32.77	350	113	A	V
	*	5220	103.01	-	-	94.4	31.38	10.06	32.83	350	113	P	V
	*	5220	94.14	-	-	85.53	31.38	10.06	32.83	350	113	A	V
		5404.08	49.06	-24.94	74	40.38	31.42	10.19	32.93	350	113	P	V
		5458.08	39.18	-14.82	54	30.29	31.62	10.23	32.96	350	113	A	V

802.11ax HE20 Full CH 48 5240MHz		5089.44	50.74	-23.26	74	41.77	31.86	9.88	32.77	100	239	P	H
		5097.5	40.58	-13.42	54	31.57	31.89	9.89	32.77	100	239	A	H
	*	5240	107.28	-	-	98.79	31.26	10.07	32.84	100	239	P	H
	*	5240	97.23	-	-	88.74	31.26	10.07	32.84	100	239	A	H
		5417.76	50.08	-23.92	74	41.35	31.47	10.2	32.94	100	239	P	H
		5458.56	39.25	-14.75	54	30.36	31.62	10.23	32.96	100	239	A	H
		5006.5	50.27	-23.73	74	41.88	31.35	9.76	32.72	347	113	P	V
		5074.36	40.56	-13.44	54	31.66	31.8	9.86	32.76	347	113	A	V
	*	5240	103.67	-	-	95.18	31.26	10.07	32.84	347	113	P	V
	*	5240	93.93	-	-	85.44	31.26	10.07	32.84	347	113	A	V
		5390.88	48.77	-25.23	74	40.15	31.36	10.18	32.92	347	113	P	V
		5457.6	39.17	-14.83	54	30.28	31.62	10.23	32.96	347	113	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+8	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	47.74	-20.46	68.2	57.48	39.68	17.3	66.72	100	0	P	H
		15540	46.53	-27.47	74	53.26	38.08	21.32	66.13	100	0	P	H
													H
													H
		10360	46.92	-21.28	68.2	56.66	39.68	17.3	66.72	100	0	P	V
		15540	47.67	-26.33	74	54.4	38.08	21.32	66.13	100	0	P	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	48.54	-19.66	68.2	58.1	39.88	17.3	66.74	100	0	P	H
		15660	47.93	-26.07	74	55.05	37.84	21.32	66.28	100	0	P	H
													H
													H
		10440	46.56	-21.64	68.2	56.12	39.88	17.3	66.74	100	0	P	V
		15660	47.11	-26.89	74	54.23	37.84	21.32	66.28	100	0	P	V
													V
													V
802.11ax HE20 Full CH 48 5240MHz		10480	47.79	-20.41	68.2	57.28	39.96	17.3	66.75	100	0	P	H
		15720	46.77	-27.23	74	54.11	37.7	21.32	66.36	100	0	P	H
													H
													H
		10480	47.47	-20.73	68.2	56.96	39.96	17.3	66.75	100	0	P	V
		15720	47.03	-26.97	74	54.37	37.7	21.32	66.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 11+8	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		5115.7	51.22	-22.78	74	42.21	31.87	9.92	32.78	112	239	P	H
		5149.76	40.63	-13.37	54	31.66	31.8	9.97	32.8	112	239	A	H
	*	5180	110.32	-	-	101.5	31.62	10.01	32.81	112	239	P	H
	*	5180	102.34	-	-	93.52	31.62	10.01	32.81	112	239	A	H
													H
													H
		5054.86	50.84	-23.16	74	42.04	31.72	9.83	32.75	375	25	P	V
		5150	40.52	-13.48	54	31.55	31.8	9.97	32.8	375	25	A	V
	*	5180	108.94	-	-	100.12	31.62	10.01	32.81	375	25	P	V
	*	5180	100.66	-	-	91.84	31.62	10.01	32.81	375	25	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 11+8	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		5150	53.6	-20.4	74	44.63	31.8	9.97	32.8	100	323	P	H
		5150	46.61	-7.39	54	37.64	31.8	9.97	32.8	100	323	A	H
	*	5190	102.31	-	-	93.54	31.56	10.03	32.82	100	323	P	H
	*	5190	92.36	-	-	83.59	31.56	10.03	32.82	100	323	A	H
		5371.24	48.71	-25.29	74	40.17	31.28	10.17	32.91	100	323	P	H
		5458.04	39.22	-14.78	54	30.33	31.62	10.23	32.96	100	323	A	H
		5149.24	55.28	-18.72	74	46.31	31.8	9.97	32.8	350	22	P	V
		5150	46.71	-7.29	54	37.74	31.8	9.97	32.8	350	22	A	V
	*	5190	100.94	-	-	92.17	31.56	10.03	32.82	350	22	P	V
	*	5190	90.9	-	-	82.13	31.56	10.03	32.82	350	22	A	V
		5427.24	47.85	-26.15	74	39.07	31.51	10.21	32.94	350	22	P	V
		5460	39.16	-14.84	54	30.27	31.62	10.23	32.96	350	22	A	V
802.11ax HE40 Full CH 46 5230MHz		5102.44	51.6	-22.4	74	42.57	31.9	9.9	32.77	100	189	P	H
		5101.14	40.65	-13.35	54	31.62	31.9	9.9	32.77	100	189	A	H
	*	5230	99.02	-	-	90.48	31.32	10.06	32.84	100	189	P	H
	*	5230	89.51	-	-	80.97	31.32	10.06	32.84	100	189	A	H
		5423.52	49.3	-24.7	74	40.54	31.49	10.21	32.94	100	189	P	H
		5458.56	39.21	-14.79	54	30.32	31.62	10.23	32.96	100	189	A	H
		5106.08	50.98	-23.02	74	41.97	31.89	9.9	32.78	350	22	P	V
		5094.12	40.59	-13.41	54	31.59	31.88	9.89	32.77	350	22	A	V
	*	5230	99.45	-	-	90.91	31.32	10.06	32.84	350	22	P	V
	*	5230	89.5	-	-	80.96	31.32	10.06	32.84	350	22	A	V
		5446.56	49.37	-24.63	74	40.51	31.59	10.22	32.95	350	22	P	V
		5459.28	39.2	-14.8	54	30.31	31.62	10.23	32.96	350	22	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+8	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	47.6	-20.6	68.2	57.29	39.74	17.3	66.73	100	0	P	H
		15570	47.56	-26.44	74	54.42	37.99	21.32	66.17	100	0	P	H
													H
													H
		10380	47.35	-20.85	68.2	57.04	39.74	17.3	66.73	100	0	P	V
		15570	47.14	-26.86	74	54	37.99	21.32	66.17	100	0	P	V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	47.43	-20.77	68.2	56.95	39.92	17.3	66.74	100	0	P	H
		15690	47.31	-26.69	74	54.49	37.81	21.33	66.32	100	0	P	H
													H
													H
		10460	46.88	-21.32	68.2	56.4	39.92	17.3	66.74	100	0	P	V
		15690	47.28	-26.72	74	54.46	37.81	21.33	66.32	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 11+8	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		5148.72	60.26	-13.74	74	51.29	31.8	9.97	32.8	100	234	P	H
		5150	44.95	-9.05	54	35.98	31.8	9.97	32.8	100	234	A	H
	*	5190	106.93	-	-	98.16	31.56	10.03	32.82	100	234	P	H
	*	5190	97.48	-	-	88.71	31.56	10.03	32.82	100	234	A	H
		5435.36	49.15	-24.85	74	40.34	31.54	10.22	32.95	100	234	P	H
		5458.32	39.17	-14.83	54	30.28	31.62	10.23	32.96	100	234	A	H
		5141.96	59.52	-14.48	74	50.53	31.82	9.96	32.79	400	27	P	V
		5150	44.04	-9.96	54	35.07	31.8	9.97	32.8	400	27	A	V
	*	5190	104.46	-	-	95.69	31.56	10.03	32.82	400	27	P	V
	*	5190	95.62	-	-	86.85	31.56	10.03	32.82	400	27	A	V
		5440.68	49.58	-24.42	74	40.75	31.56	10.22	32.95	400	27	P	V
		5456.36	39.14	-14.86	54	30.26	31.61	10.23	32.96	400	27	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 (Band Edge @ 3m)

WIFI Ant. 11+8	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		5149.76	54.88	-19.12	74	45.91	31.8	9.97	32.8	100	238	P	H
		5150	46.66	-7.34	54	37.69	31.8	9.97	32.8	100	238	A	H
	*	5210	98.99	-	-	90.33	31.44	10.05	32.83	100	238	P	H
	*	5210	89.85	-	-	81.19	31.44	10.05	32.83	100	238	A	H
		5441.8	49.38	-24.62	74	40.54	31.57	10.22	32.95	100	238	P	H
		5456.1	39.46	-14.54	54	30.58	31.61	10.23	32.96	100	238	A	H
		5133.64	54.59	-19.41	74	45.61	31.83	9.94	32.79	350	23	P	V
		5150	46	-8	54	37.03	31.8	9.97	32.8	350	23	A	V
	*	5210	98.25	-	-	89.59	31.44	10.05	32.83	350	23	P	V
	*	5210	87.23	-	-	78.57	31.44	10.05	32.83	350	23	A	V
		5372.9	49.36	-24.64	74	40.81	31.29	10.17	32.91	350	23	P	V
		5456.1	39.23	-14.77	54	30.35	31.61	10.23	32.96	350	23	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+8	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	47.14	-21.06	68.2	56.74	39.84	17.3	66.74	100	0	P	H
		15630	47.51	-26.49	74	54.56	37.87	21.32	66.24	100	0	P	H
													H
													H
		10420	47.12	-21.08	68.2	56.72	39.84	17.3	66.74	100	0	P	V
		15630	46.48	-27.52	74	53.53	37.87	21.32	66.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 11+8	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		5149.24	60.1	-13.9	74	51.13	31.8	9.97	32.8	104	237	P	H
		5150	48.53	-5.47	54	39.56	31.8	9.97	32.8	104	237	A	H
	*	5210	103.56	-	-	94.9	31.44	10.05	32.83	104	237	P	H
	*	5210	93.97	-	-	85.31	31.44	10.05	32.83	104	237	A	H
		5401.24	49.98	-24.02	74	41.32	31.4	10.19	32.93	104	237	P	H
		5460	39.43	-14.57	54	30.54	31.62	10.23	32.96	104	237	A	H
		5148.2	61.39	-12.61	74	52.43	31.8	9.96	32.8	291	116	P	V
		5147.94	45.75	-8.25	54	36.79	31.8	9.96	32.8	291	116	A	V
	*	5210	100.01	-	-	91.35	31.44	10.05	32.83	291	116	P	V
	*	5210	91.47	-	-	82.81	31.44	10.05	32.83	291	116	A	V
		5440.76	48.71	-25.29	74	39.88	31.56	10.22	32.95	291	116	P	V
		5455.58	39.17	-14.83	54	30.29	31.61	10.23	32.96	291	116	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 HE160 Full (Band Edge @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5108.54	54.87	-19.13	74	45.86	31.88	9.91	32.78	100	238	P	H
		5144.72	45.34	-8.66	54	36.37	31.81	9.96	32.8	100	238	A	H
	*	5250	96.79	-	-	88.36	31.2	10.08	32.85	100	238	P	H
	*	5250	85.56	-	-	77.13	31.2	10.08	32.85	100	238	A	H
		5402.16	53.17	-20.83	74	44.5	31.41	10.19	32.93	100	238	P	H
		5351.04	42.71	-11.29	54	34.26	31.2	10.15	32.9	100	238	A	H
		5147.96	56.38	-17.62	74	47.42	31.8	9.96	32.8	400	15	P	V
		5135.81	46.95	-7.05	54	37.96	31.83	9.95	32.79	400	15	A	V
	*	5250	92.77	-	-	84.34	31.2	10.08	32.85	400	15	P	V
	*	5250	83.28	-	-	74.85	31.2	10.08	32.85	400	15	A	V
		5394.24	52.53	-21.47	74	43.89	31.38	10.19	32.93	400	15	P	V
		5391.6	41.94	-12.06	54	33.31	31.37	10.18	32.92	400	15	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 HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5128.52	67.46	-6.54	74	58.47	31.84	9.94	32.79	100	324	P	H
		5149.04	48.31	-5.69	54	39.34	31.8	9.97	32.8	100	324	A	H
	*	5250	99.54	-	-	91.11	31.2	10.08	32.85	100	324	P	H
	*	5250	89.93	-	-	81.5	31.2	10.08	32.85	100	324	A	H
		5404.56	63.59	-10.41	74	54.91	31.42	10.19	32.93	100	324	P	H
		5399.28	42.62	-11.38	54	33.96	31.4	10.19	32.93	100	324	A	H
		5128.79	64.31	-9.69	74	55.32	31.84	9.94	32.79	306	115	P	V
		5147.42	45.49	-8.51	54	36.52	31.81	9.96	32.8	306	115	A	V
	*	5250	97.11	-	-	88.68	31.2	10.08	32.85	306	115	P	V
	*	5250	87.81	-	-	79.38	31.2	10.08	32.85	306	115	A	V
		5392.8	61.47	-12.53	74	52.84	31.37	10.18	32.92	306	115	P	V
		5392.8	41.17	-12.83	54	32.54	31.37	10.18	32.92	306	115	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 HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/S67 CH 50 5250MHz		5126.09	63.88	-10.12	74	54.89	31.85	9.93	32.79	100	245	P	H
		5125.82	43.91	-10.09	54	34.92	31.85	9.93	32.79	100	245	A	H
	*	5250	101.5	-	-	93.07	31.2	10.08	32.85	100	245	P	H
	*	5250	91.89	-	-	83.46	31.2	10.08	32.85	100	245	A	H
		5402.16	66.3	-7.7	74	57.63	31.41	10.19	32.93	100	245	P	H
		5396.64	45.34	-8.66	54	36.69	31.39	10.19	32.93	100	245	A	H
		5126.09	65.07	-8.93	74	56.08	31.85	9.93	32.79	400	21	P	V
		5125.82	44.25	-9.75	54	35.26	31.85	9.93	32.79	400	21	A	V
	*	5250	96.63	-	-	88.2	31.2	10.08	32.85	400	21	P	V
	*	5250	87.02	-	-	78.59	31.2	10.08	32.85	400	21	A	V
		5396.64	63.02	-10.98	74	54.37	31.39	10.19	32.93	400	21	P	V
		5396.64	42.54	-11.46	54	33.89	31.39	10.19	32.93	400	21	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 11+8	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		5073.44	50.95	-23.05	74	42.06	31.79	9.86	32.76	100	246	P	H
		5094.86	40.34	-13.66	54	31.34	31.88	9.89	32.77	100	246	A	H
	*	5260	106.88	-	-	98.45	31.2	10.09	32.86	100	246	P	H
	*	5260	99.52	-	-	91.09	31.2	10.09	32.86	100	246	A	H
		5376.72	49	-25	74	40.44	31.31	10.17	32.92	100	246	P	H
		5459.04	38.88	-15.12	54	29.99	31.62	10.23	32.96	100	246	A	H
		5064.26	50.98	-23.02	74	42.13	31.76	9.84	32.75	344	116	P	V
		5088.06	40.34	-13.66	54	31.38	31.85	9.88	32.77	344	116	A	V
	*	5260	103.69	-	-	95.26	31.2	10.09	32.86	344	116	P	V
	*	5260	96.66	-	-	88.23	31.2	10.09	32.86	344	116	A	V
		5445.6	47.82	-26.18	74	38.97	31.58	10.22	32.95	344	116	P	V
		5457.6	38.84	-15.16	54	29.95	31.62	10.23	32.96	344	116	A	V
802.11a CH 60 5300MHz		5065.62	49.83	-24.17	74	40.97	31.76	9.85	32.75	100	244	P	H
		5073.44	40.36	-13.64	54	31.47	31.79	9.86	32.76	100	244	A	H
	*	5300	107.99	-	-	99.56	31.2	10.11	32.88	100	244	P	H
	*	5300	100.41	-	-	91.98	31.2	10.11	32.88	100	244	A	H
		5439.12	48.18	-25.82	74	39.35	31.56	10.22	32.95	100	244	P	H
		5457.84	38.98	-15.02	54	30.09	31.62	10.23	32.96	100	244	A	H
		5043.86	49.43	-24.57	74	40.71	31.65	9.81	32.74	341	115	P	V
		5088.4	40.39	-13.61	54	31.43	31.85	9.88	32.77	341	115	A	V
	*	5300	104.02	-	-	95.59	31.2	10.11	32.88	341	115	P	V
	*	5300	96.87	-	-	88.44	31.2	10.11	32.88	341	115	A	V
		5457.36	48.8	-25.2	74	39.92	31.61	10.23	32.96	341	115	P	V
		5457.6	38.93	-15.07	54	30.04	31.62	10.23	32.96	341	115	A	V

802.11a CH 64 5320MHz	*	5320	107.96	-	-	99.52	31.2	10.13	32.89	100	243	P	H
	*	5320	100.17	-	-	91.73	31.2	10.13	32.89	100	243	A	H
		5352.8	55.02	-18.98	74	46.56	31.21	10.15	32.9	100	243	P	H
		5351.52	42.72	-11.28	54	34.26	31.21	10.15	32.9	100	243	A	H
													H
													H
	*	5320	104.5	-	-	96.06	31.2	10.13	32.89	321	114	P	V
	*	5320	97.37	-	-	88.93	31.2	10.13	32.89	321	114	A	V
		5351.2	51.75	-22.25	74	43.3	31.2	10.15	32.9	321	114	P	V
		5350.08	41.57	-12.43	54	33.12	31.2	10.15	32.9	321	114	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+8	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	47.25	-20.95	68.2	56.68	39.98	17.31	66.72	100	0	P	H
		15780	46.99	-27.01	74	54.7	37.4	21.32	66.43	100	0	P	H
													H
													H
		10520	47.1	-21.1	68.2	56.53	39.98	17.31	66.72	100	0	P	V
		15780	46.82	-27.18	74	54.53	37.4	21.32	66.43	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.5	-27.5	74	55.9	39.9	17.32	66.62	100	0	P	H
		15900	46.3	-27.7	74	54.16	37.4	21.32	66.58	100	0	P	H
													H
													H
		10600	47.16	-26.84	74	56.56	39.9	17.32	66.62	100	0	P	V
		15900	46.69	-27.31	74	54.55	37.4	21.32	66.58	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.94	-28.06	74	55.21	39.98	17.32	66.57	100	0	P	H
		15960	45.66	-28.34	74	53.73	37.28	21.31	66.66	100	0	P	H
													H
													H
		10640	46.28	-27.72	74	55.55	39.98	17.32	66.57	100	0	P	V
		15960	46.02	-27.98	74	54.09	37.28	21.31	66.66	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 11+8	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		5113.56	50.78	-23.22	74	41.78	31.87	9.91	32.78	100	239	P	H
		5094.18	40.7	-13.3	54	31.7	31.88	9.89	32.77	100	239	A	H
	*	5260	106.93	-	-	98.5	31.2	10.09	32.86	100	239	P	H
	*	5260	97	-	-	88.57	31.2	10.09	32.86	100	239	A	H
		5424.24	49.04	-24.96	74	40.27	31.5	10.21	32.94	100	239	P	H
		5455.92	39.26	-14.74	54	30.38	31.61	10.23	32.96	100	239	A	H
		5027.2	50.35	-23.65	74	41.77	31.52	9.79	32.73	400	13	P	V
		5092.82	40.67	-13.33	54	31.69	31.87	9.88	32.77	400	13	A	V
	*	5260	104.44	-	-	96.01	31.2	10.09	32.86	400	13	P	V
	*	5260	94.32	-	-	85.89	31.2	10.09	32.86	400	13	A	V
		5361.36	49.05	-24.95	74	40.55	31.25	10.16	32.91	400	13	P	V
		5459.76	39.24	-14.76	54	30.35	31.62	10.23	32.96	400	13	A	V
802.11ax HE20 Full CH 60 5300MHz		5010.2	50.04	-23.96	74	41.63	31.38	9.76	32.73	100	241	P	H
		5095.54	40.7	-13.3	54	31.7	31.88	9.89	32.77	100	241	A	H
	*	5300	106.76	-	-	98.33	31.2	10.11	32.88	100	241	P	H
	*	5300	97.53	-	-	89.1	31.2	10.11	32.88	100	241	A	H
		5350.08	49.7	-24.3	74	41.25	31.2	10.15	32.9	100	241	P	H
		5458.8	39.32	-14.68	54	30.43	31.62	10.23	32.96	100	241	A	H
		5093.5	51.3	-22.7	74	42.31	31.87	9.89	32.77	400	25	P	V
		5089.42	40.67	-13.33	54	31.7	31.86	9.88	32.77	400	25	A	V
	*	5300	104.74	-	-	96.31	31.2	10.11	32.88	400	25	P	V
	*	5300	94.69	-	-	86.26	31.2	10.11	32.88	400	25	A	V
		5428.08	48.48	-25.52	74	39.7	31.51	10.21	32.94	400	25	P	V
		5457.6	39.25	-14.75	54	30.36	31.62	10.23	32.96	400	25	A	V

	*	5320	107.23	-	-	98.79	31.2	10.13	32.89	100	244	P	H
	*	5320	97.41	-	-	88.97	31.2	10.13	32.89	100	244	A	H
		5354.24	53.44	-20.56	74	44.96	31.22	10.16	32.9	100	244	P	H
		5350.08	43.2	-10.8	54	34.75	31.2	10.15	32.9	100	244	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	105.62	-	-	97.18	31.2	10.13	32.89	374	27	P	V
5320MHz	*	5320	95.04	-	-	86.6	31.2	10.13	32.89	374	27	A	V
		5351.04	53.04	-20.96	74	44.59	31.2	10.15	32.9	374	27	P	V
		5350.08	42.02	-11.98	54	33.57	31.2	10.15	32.9	374	27	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+8	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	46.65	-21.55	68.2	56.08	39.98	17.31	66.72	100	0	P	H
		15780	47.29	-26.71	74	55	37.4	21.32	66.43	100	0	P	H
													H
													H
		10520	47.63	-20.57	68.2	57.06	39.98	17.31	66.72	100	0	P	V
		15780	46.96	-27.04	74	54.67	37.4	21.32	66.43	100	0	P	V
													V
													V
802.11ax HE20 Full CH 60 5300MHz		10600	46.42	-27.58	74	55.82	39.9	17.32	66.62	100	0	P	H
		15900	46.12	-27.88	74	53.98	37.4	21.32	66.58	100	0	P	H
													H
													H
		10600	47.13	-26.87	74	56.53	39.9	17.32	66.62	100	0	P	V
		15900	46.13	-27.87	74	53.99	37.4	21.32	66.58	100	0	P	V
													V
													V
802.11ax HE20 Full CH 64 5320MHz		10640	46.47	-27.53	74	55.74	39.98	17.32	66.57	100	0	P	H
		15960	45.81	-28.19	74	53.88	37.28	21.31	66.66	100	0	P	H
													H
													H
		10640	45.57	-28.43	74	54.84	39.98	17.32	66.57	100	0	P	V
		15960	46.19	-27.81	74	54.26	37.28	21.31	66.66	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 11+8	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	112.88	-	-	104.44	31.2	10.13	32.89	101	243	P	H
	*	5320	103.87	-	-	95.43	31.2	10.13	32.89	101	243	A	H
		5353.28	56.07	-17.93	74	47.61	31.21	10.15	32.9	101	243	P	H
		5353.76	39.44	-14.56	54	30.96	31.22	10.16	32.9	101	243	A	H
													H
													H
	*	5320	108.51	-	-	100.07	31.2	10.13	32.89	376	28	P	V
	*	5320	99.94	-	-	91.5	31.2	10.13	32.89	376	28	A	V
		5350.08	51.36	-22.64	74	42.91	31.2	10.15	32.9	376	28	P	V
		5459.68	39.18	-14.82	54	30.29	31.62	10.23	32.96	376	28	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 11+8	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		5030.94	50.5	-23.5	74	41.9	31.55	9.79	32.74	100	244	P	H
		5097.92	40.83	-13.17	54	31.82	31.89	9.89	32.77	100	244	A	H
	*	5270	102.92	-	-	94.49	31.2	10.09	32.86	100	244	P	H
	*	5270	92.63	-	-	84.2	31.2	10.09	32.86	100	244	A	H
		5419.2	48.18	-25.82	74	39.44	31.48	10.2	32.94	100	244	P	H
		5458.56	39.41	-14.59	54	30.52	31.62	10.23	32.96	100	244	A	H
													V
		5114.58	51.02	-22.98	74	42.01	31.87	9.92	32.78	400	13	P	V
		5102	40.69	-13.31	54	31.66	31.9	9.9	32.77	400	13	A	V
	*	5270	99.92	-	-	91.49	31.2	10.09	32.86	400	13	P	V
	*	5270	90.23	-	-	81.8	31.2	10.09	32.86	400	13	A	V
		5359.2	49.03	-24.97	74	40.54	31.24	10.16	32.91	400	13	P	V
802.11ax HE40 Full CH 62 5310MHz		5040.46	51.95	-22.05	74	43.26	31.62	9.81	32.74	100	243	P	H
		5101.32	40.75	-13.25	54	31.72	31.9	9.9	32.77	100	243	A	H
	*	5310	105.07	-	-	96.63	31.2	10.12	32.88	100	243	P	H
	*	5310	93.68	-	-	85.24	31.2	10.12	32.88	100	243	A	H
		5352	54.23	-19.77	74	45.77	31.21	10.15	32.9	100	243	P	H
		5350.08	46.61	-7.39	54	38.16	31.2	10.15	32.9	100	243	A	H
		5051.34	50.48	-23.52	74	41.7	31.71	9.82	32.75	400	23	P	V
		5094.18	40.68	-13.32	54	31.68	31.88	9.89	32.77	400	23	A	V
	*	5310	100.53	-	-	92.09	31.2	10.12	32.88	400	23	P	V
	*	5310	90.8	-	-	82.36	31.2	10.12	32.88	400	23	A	V
		5352	53.11	-20.89	74	44.65	31.21	10.15	32.9	400	23	P	V
		5350.32	43.16	-10.84	54	34.71	31.2	10.15	32.9	400	23	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+8	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	46.3	-21.9	68.2	55.73	39.96	17.31	66.7	100	0	P	H
		15810	46.93	-27.07	74	54.77	37.31	21.32	66.47	100	0	P	H
													H
													H
		10540	46.32	-21.88	68.2	55.75	39.96	17.31	66.7	100	0	P	V
		15810	47.27	-26.73	74	55.11	37.31	21.32	66.47	100	0	P	V
													V
													V
802.11ax HE40 Full CH 62 5310MHz		10620	46.92	-27.08	74	56.25	39.94	17.32	66.59	100	0	P	H
		15930	46.55	-27.45	74	54.52	37.34	21.31	66.62	100	0	P	H
													H
													H
		10620	46.69	-27.31	74	56.02	39.94	17.32	66.59	100	0	P	V
		15930	46.34	-27.66	74	54.31	37.34	21.31	66.62	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 11+8	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		5034.68	51.22	-22.78	74	42.58	31.58	9.8	32.74	100	240	P	H
		5099.96	40.49	-13.51	54	31.47	31.9	9.89	32.77	100	240	A	H
	*	5310	107.53	-	-	99.09	31.2	10.12	32.88	100	240	P	H
	*	5310	99.13	-	-	90.69	31.2	10.12	32.88	100	240	A	H
		5351.76	69.11	-4.89	74	60.65	31.21	10.15	32.9	100	240	P	H
		5352	48.59	-5.41	54	40.13	31.21	10.15	32.9	100	240	A	H
		5070.04	51.95	-22.05	74	43.08	31.78	9.85	32.76	397	30	P	V
		5093.5	40.44	-13.56	54	31.45	31.87	9.89	32.77	397	30	A	V
	*	5310	104.33	-	-	95.89	31.2	10.12	32.88	397	30	P	V
	*	5310	95.39	-	-	86.95	31.2	10.12	32.88	397	30	A	V
		5354.16	58.87	-15.13	74	50.39	31.22	10.16	32.9	397	30	P	V
		5350.08	40.73	-13.27	54	32.28	31.2	10.15	32.9	397	30	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 (Band Edge @ 3m)

WIFI Ant. 11+8	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		5074.1	50.05	-23.95	74	41.15	31.8	9.86	32.76	100	242	P	H
		5099.3	40.87	-13.13	54	31.85	31.9	9.89	32.77	100	242	A	H
	*	5290	99.71	-	-	91.27	31.2	10.11	32.87	100	242	P	H
	*	5290	90.68	-	-	82.24	31.2	10.11	32.87	100	242	A	H
		5350.32	56.08	-17.92	74	47.63	31.2	10.15	32.9	100	242	P	H
		5350.8	47.25	-6.75	54	38.8	31.2	10.15	32.9	100	242	A	H
		5098.7	49.29	-24.71	74	40.28	31.89	9.89	32.77	400	24	P	V
		5149.7	40.72	-13.28	54	31.75	31.8	9.97	32.8	400	24	A	V
	*	5290	97.15	-	-	88.71	31.2	10.11	32.87	400	24	P	V
	*	5290	87.97	-	-	79.53	31.2	10.11	32.87	400	24	A	V
		5352.96	53.45	-20.55	74	44.99	31.21	10.15	32.9	400	24	P	V
		5350.32	43.07	-10.93	54	34.62	31.2	10.15	32.9	400	24	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+8	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	46.56	-21.64	68.2	55.98	39.92	17.31	66.65	100	0	P	H
		15870	46.52	-27.48	74	54.38	37.37	21.32	66.55	100	0	P	H
													H
													H
		10580	47.41	-20.79	68.2	56.83	39.92	17.31	66.65	100	0	P	V
		15870	46.35	-27.65	74	54.21	37.37	21.32	66.55	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 11+8	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		5098.7	52.36	-21.64	74	43.35	31.89	9.89	32.77	100	243	P	H
		5096.6	40.52	-13.48	54	31.51	31.89	9.89	32.77	100	243	A	H
	*	5290	103.68	-	-	95.24	31.2	10.11	32.87	100	243	P	H
	*	5290	94.67	-	-	86.23	31.2	10.11	32.87	100	243	A	H
		5371.92	62.51	-11.49	74	53.96	31.29	10.17	32.91	100	243	P	H
		5353.92	45.12	-8.88	54	36.64	31.22	10.16	32.9	100	243	A	H
		5111.3	51.15	-22.85	74	42.14	31.88	9.91	32.78	400	19	P	V
		5075.3	40.31	-13.69	54	31.41	31.8	9.86	32.76	400	19	A	V
	*	5290	99.7	-	-	91.26	31.2	10.11	32.87	400	19	P	V
	*	5290	91.03	-	-	82.59	31.2	10.11	32.87	400	19	A	V
		5372.4	55.07	-18.93	74	46.52	31.29	10.17	32.91	400	19	P	V
		5350.08	40.16	-13.84	54	31.71	31.2	10.15	32.9	400	19	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 11+8	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		5373.84	49.01	-24.99	74	40.45	31.3	10.17	32.91	102	242	P	H
		5467.6	50.93	-17.27	68.2	42.01	31.64	10.24	32.96	102	242	P	H
		5458.64	40.07	-13.93	54	31.18	31.62	10.23	32.96	102	242	A	H
	*	5500	109.23	-	-	100.25	31.7	10.26	32.98	102	242	P	H
	*	5500	102.03	-	-	93.05	31.7	10.26	32.98	102	242	A	H
													H
		5431.92	48.77	-25.23	74	39.97	31.53	10.21	32.94	100	239	P	V
		5463.76	48.01	-20.19	68.2	39.1	31.63	10.24	32.96	100	239	P	V
		5456.88	39.23	-14.77	54	30.35	31.61	10.23	32.96	100	239	A	V
	*	5500	102.44	-	-	93.46	31.7	10.26	32.98	100	239	P	V
	*	5500	95.2	-	-	86.22	31.7	10.26	32.98	100	239	A	V
													V
802.11a CH 116 5580MHz		5459.2	48.36	-25.64	74	39.47	31.62	10.23	32.96	100	244	P	H
		5469.76	50.15	-18.05	68.2	41.23	31.64	10.24	32.96	100	244	P	H
		5456.56	39.33	-14.67	54	30.45	31.61	10.23	32.96	100	244	A	H
	*	5580	110.44	-	-	101.43	31.66	10.32	32.97	100	244	P	H
	*	5580	103.44	-	-	94.43	31.66	10.32	32.97	100	244	A	H
		5730.98	49.91	-18.29	68.2	40.45	31.92	10.48	32.94	100	244	P	H
		5448.16	48.83	-25.17	74	39.96	31.59	10.23	32.95	100	240	P	V
		5467.36	48.02	-20.18	68.2	39.11	31.63	10.24	32.96	100	240	P	V
		5459.68	39.09	-14.91	54	30.2	31.62	10.23	32.96	100	240	A	V
	*	5580	104.33	-	-	95.32	31.66	10.32	32.97	100	240	P	V
	*	5580	96.84	-	-	87.83	31.66	10.32	32.97	100	240	A	V
		5754.92	50.62	-17.58	68.2	41.03	32.01	10.51	32.93	100	240	P	V

802.11a CH 140 5700MHz	*	5700	111.02	-	-	101.71	31.8	10.45	32.94	103	243	P	H
	*	5700	103.03	-	-	93.72	31.8	10.45	32.94	103	243	A	H
		5727	56.82	-11.38	68.2	47.37	31.91	10.48	32.94	103	243	P	H
													H
													H
													H
	*	5700	106.13	-	-	96.82	31.8	10.45	32.94	100	238	P	V
	*	5700	98.62	-	-	89.31	31.8	10.45	32.94	100	238	A	V
		5726.6	53.63	-14.57	68.2	44.18	31.91	10.48	32.94	100	238	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+8	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	47.44	-26.56	74	55.99	40.2	17.35	66.1	100	0	P	H
		16500	49.1	-19.1	68.2	55.11	38.5	21.81	66.32	100	0	P	H
													H
													H
		11000	48.05	-25.95	74	56.6	40.2	17.35	66.1	100	0	P	V
		16500	48.9	-19.3	68.2	54.91	38.5	21.81	66.32	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.72	-25.28	74	57.71	39.62	17.53	66.14	100	0	P	H
		16740	49.52	-18.68	68.2	54.22	39.62	22.05	66.37	100	0	P	H
													H
													H
		11160	47.78	-26.22	74	56.77	39.62	17.53	66.14	100	0	P	V
		16740	49.77	-18.43	68.2	54.47	39.62	22.05	66.37	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.5	-26.5	74	56.2	39.7	17.8	66.2	100	0	P	H
		17100	49.27	-18.93	68.2	53.22	39.9	22.46	66.31	100	0	P	H
													H
													H
		11400	47.99	-26.01	74	56.69	39.7	17.8	66.2	100	0	P	V
		17100	49.8	-18.4	68.2	53.75	39.9	22.46	66.31	100	0	P	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 Full (Band Edge @ 3m)

WIFI Ant. 11+8	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		5392.24	49.88	-24.12	74	41.25	31.37	10.18	32.92	100	238	P	H
		5469.04	51.49	-16.71	68.2	42.57	31.64	10.24	32.96	100	238	P	H
		5460	39.87	-14.13	54	30.98	31.62	10.23	32.96	100	238	A	H
	*	5500	108.65	-	-	99.67	31.7	10.26	32.98	100	238	P	H
	*	5500	98.75	-	-	89.77	31.7	10.26	32.98	100	238	A	H
		5424.72	49.3	-24.7	74	40.53	31.5	10.21	32.94	350	13	P	V
		5469.84	50.67	-17.53	68.2	41.75	31.64	10.24	32.96	350	13	P	V
		5460	39.5	-14.5	54	30.61	31.62	10.23	32.96	350	13	A	V
	*	5500	103.1	-	-	94.12	31.7	10.26	32.98	350	13	P	V
	*	5500	93.76	-	-	84.78	31.7	10.26	32.98	350	13	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5459.44	48.6	-25.4	74	39.71	31.62	10.23	32.96	100	259	P	H
		5462.32	48.68	-19.52	68.2	39.78	31.62	10.24	32.96	100	259	P	H
		5459.92	39.34	-14.66	54	30.45	31.62	10.23	32.96	100	259	A	H
	*	5580	108.46	-	-	99.45	31.66	10.32	32.97	100	259	P	H
	*	5580	100.01	-	-	91	31.66	10.32	32.97	100	259	A	H
		5739.485	50.3	-17.9	68.2	40.79	31.96	10.49	32.94	100	259	P	H
		5455.36	49.38	-24.62	74	40.5	31.61	10.23	32.96	400	25	P	V
		5460.64	49.02	-19.18	68.2	40.12	31.62	10.24	32.96	400	25	P	V
		5459.68	39.27	-14.73	54	30.38	31.62	10.23	32.96	400	25	A	V
	*	5580	104.64	-	-	95.63	31.66	10.32	32.97	400	25	P	V
	*	5580	95.8	-	-	86.79	31.66	10.32	32.97	400	25	A	V
		5742.635	50.41	-17.79	68.2	40.88	31.97	10.5	32.94	400	25	P	V

	*	5700	109.1	-	-	99.79	31.8	10.45	32.94	100	255	P	H
	*	5700	100.45	-	-	91.14	31.8	10.45	32.94	100	255	A	H
		5725.32	55.95	-12.25	68.2	46.51	31.9	10.48	32.94	100	255	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	104.03	-	-	94.72	31.8	10.45	32.94	359	4	P	V
5700MHz	*	5700	95.56	-	-	86.25	31.8	10.45	32.94	359	4	A	V
		5725	54.22	-13.98	68.2	44.78	31.9	10.48	32.94	359	4	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+8	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	47.89	-26.11	74	56.44	40.2	17.35	66.1	100	0	P	H
		16500	49.54	-18.66	68.2	55.55	38.5	21.81	66.32	100	0	P	H
													H
													H
		11000	47.97	-26.03	74	56.52	40.2	17.35	66.1	100	0	P	V
		16500	49.1	-19.1	68.2	55.11	38.5	21.81	66.32	100	0	P	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		11160	48.82	-25.18	74	57.81	39.62	17.53	66.14	100	0	P	H
		16740	49.47	-18.73	68.2	54.17	39.62	22.05	66.37	100	0	P	H
													H
													H
		11160	47.97	-26.03	74	56.96	39.62	17.53	66.14	100	0	P	V
		16740	49.17	-19.03	68.2	53.87	39.62	22.05	66.37	100	0	P	V
													V
													V
802.11ax HE20 Full CH 140 5700MHz		11400	47.57	-26.43	74	56.27	39.7	17.8	66.2	100	0	P	H
		17100	49.55	-18.65	68.2	53.5	39.9	22.46	66.31	100	0	P	H
													H
													H
		11400	47.77	-26.23	74	56.47	39.7	17.8	66.2	100	0	P	V
		17100	49.45	-18.75	68.2	53.4	39.9	22.46	66.31	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. 11+8	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		5435.44	50.14	-23.86	74	41.33	31.54	10.22	32.95	100	241	P	H
		5466.48	50.66	-17.54	68.2	41.75	31.63	10.24	32.96	100	241	P	H
		5435.92	41.05	-12.95	54	32.24	31.54	10.22	32.95	100	241	A	H
	*	5500	115.01	-	-	106.03	31.7	10.26	32.98	100	241	P	H
	*	5500	105.8	-	-	96.82	31.7	10.26	32.98	100	241	A	H
													H
		5445.52	49.28	-24.72	74	40.43	31.58	10.22	32.95	350	355	P	V
		5465.84	48.16	-20.04	68.2	39.25	31.63	10.24	32.96	350	355	P	V
		5440.72	39.56	-14.44	54	30.73	31.56	10.22	32.95	350	355	A	V
	*	5500	107.81	-	-	98.83	31.7	10.26	32.98	350	355	P	V
	*	5500	99.08	-	-	90.1	31.7	10.26	32.98	350	355	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	114.96	-	-	105.65	31.8	10.45	32.94	100	241	P	H
	*	5700	106.68	-	-	97.37	31.8	10.45	32.94	100	241	A	H
		5729.48	51.73	-16.47	68.2	42.27	31.92	10.48	32.94	100	241	P	H
													H
													H
													H
	*	5700	108.58	-	-	99.27	31.8	10.45	32.94	355	331	P	V
	*	5700	99.42	-	-	90.11	31.8	10.45	32.94	355	331	A	V
		5731.96	49.83	-18.37	68.2	40.35	31.93	10.49	32.94	355	331	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 HE40 Full (Band Edge @ 3m)

WIFI Ant. 11+8	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		5455.84	50.6	-23.4	74	41.72	31.61	10.23	32.96	100	255	P	H
		5468.8	55.77	-12.43	68.2	46.85	31.64	10.24	32.96	100	255	P	H
		5459.92	41.88	-12.12	54	32.99	31.62	10.23	32.96	100	255	A	H
	*	5510	104.37	-	-	95.4	31.68	10.27	32.98	100	255	P	H
	*	5510	95.11	-	-	86.14	31.68	10.27	32.98	100	255	A	H
		5731.925	49.87	-18.33	68.2	40.39	31.93	10.49	32.94	100	255	P	H
		5459.2	50.42	-23.58	74	41.53	31.62	10.23	32.96	388	23	P	V
		5470	54.28	-13.92	68.2	45.36	31.64	10.24	32.96	388	23	P	V
		5459.92	40.37	-13.63	54	31.48	31.62	10.23	32.96	388	23	A	V
	*	5510	100.57	-	-	91.6	31.68	10.27	32.98	388	23	P	V
	*	5510	91.28	-	-	82.31	31.68	10.27	32.98	388	23	A	V
		5739.485	49.71	-18.49	68.2	40.2	31.96	10.49	32.94	388	23	P	V
802.11ax HE40 Full CH 110 5550MHz		5456.08	49.82	-24.18	74	40.94	31.61	10.23	32.96	108	240	P	H
		5460.88	48.52	-19.68	68.2	39.62	31.62	10.24	32.96	108	240	P	H
		5459.2	39.59	-14.41	54	30.7	31.62	10.23	32.96	108	240	A	H
	*	5550	107.55	-	-	98.62	31.6	10.3	32.97	108	240	P	H
	*	5550	95.84	-	-	86.91	31.6	10.3	32.97	108	240	A	H
		5749.88	50.24	-17.96	68.2	40.68	32	10.5	32.94	108	240	P	H
		5453.2	49.11	-24.89	74	40.23	31.61	10.23	32.96	358	355	P	V
		5469.04	48.44	-19.76	68.2	39.52	31.64	10.24	32.96	358	355	P	V
		5459.2	39.14	-14.86	54	30.25	31.62	10.23	32.96	358	355	A	V
	*	5550	101.14	-	-	92.21	31.6	10.3	32.97	358	355	P	V
	*	5550	91.23	-	-	82.3	31.6	10.3	32.97	358	355	A	V
		5744.21	48.73	-19.47	68.2	39.19	31.98	10.5	32.94	358	355	P	V

802.11ax HE40 Full CH 134 5670MHz		5458.5	48.96	-25.04	74	40.07	31.62	10.23	32.96	101	245	P	H
		5467.95	47.97	-20.23	68.2	39.05	31.64	10.24	32.96	101	245	P	H
		5459.9	39.18	-14.82	54	30.29	31.62	10.23	32.96	101	245	A	H
	*	5670	107.08	-	-	97.81	31.8	10.42	32.95	101	245	P	H
	*	5670	96.37	-	-	87.1	31.8	10.42	32.95	101	245	A	H
		5731.925	50.33	-17.87	68.2	40.85	31.93	10.49	32.94	101	245	P	H
		5450.8	49.7	-24.3	74	40.82	31.6	10.23	32.95	383	356	P	V
		5467.6	48	-20.2	68.2	39.08	31.64	10.24	32.96	383	356	P	V
		5459.2	39.07	-14.93	54	30.18	31.62	10.23	32.96	383	356	A	V
	*	5670	101.73	-	-	92.46	31.8	10.42	32.95	383	356	P	V
	*	5670	91.68	-	-	82.41	31.8	10.42	32.95	383	356	A	V
		5732.975	50.31	-17.89	68.2	40.83	31.93	10.49	32.94	383	356	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+8	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	47.79	-26.21	74	56.4	40.12	17.37	66.1	100	0	P	H
		16530	49.02	-19.18	68.2	54.92	38.59	21.84	66.33	100	0	P	H
													H
													H
		11020	47.74	-26.26	74	56.35	40.12	17.37	66.1	100	0	P	V
		16530	49.23	-18.97	68.2	55.13	38.59	21.84	66.33	100	0	P	V
													V
													V
802.11ax HE40 Full CH 110 5550MHz		11100	47.89	-26.11	74	56.75	39.8	17.46	66.12	100	0	P	H
		16650	50.14	-18.06	68.2	55.38	39.15	21.96	66.35	100	0	P	H
													H
													H
		11000	47.99	-26.01	74	56.54	40.2	17.35	66.1	100	0	P	V
		16500	48.21	-19.99	68.2	54.22	38.5	21.81	66.32	100	0	P	V
													V
													V
802.11ax HE40 Full CH 134 5670MHz		11340	46.31	-27.69	74	55.18	39.58	17.73	66.18	100	0	P	H
		17010	51.04	-17.16	68.2	54.95	40.17	22.33	66.41	100	0	P	H
													H
													H
		11340	46	-28	74	54.87	39.58	17.73	66.18	100	0	P	V
		17010	49.98	-18.22	68.2	53.89	40.17	22.33	66.41	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 11+8	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		5456.56	55.3	-18.7	74	46.42	31.61	10.23	32.96	100	242	P	H
		5461.36	63.79	-4.41	68.2	54.89	31.62	10.24	32.96	100	242	P	H
		5446.24	40.27	-13.73	54	31.42	31.58	10.22	32.95	100	242	A	H
	*	5510	109.77	-	-	100.8	31.68	10.27	32.98	100	242	P	H
	*	5510	100.52	-	-	91.55	31.68	10.27	32.98	100	242	A	H
		5728.46	50.42	-17.78	68.2	40.97	31.91	10.48	32.94	100	242	P	H
		5458.96	54.33	-19.67	74	45.44	31.62	10.23	32.96	350	357	P	V
		5468.08	63.21	-4.99	68.2	54.29	31.64	10.24	32.96	350	357	P	V
		5458.72	39.52	-14.48	54	30.63	31.62	10.23	32.96	350	357	A	V
	*	5510	103.17	-	-	94.2	31.68	10.27	32.98	350	357	P	V
	*	5510	94.5	-	-	85.53	31.68	10.27	32.98	350	357	A	V
		5742.635	50.51	-17.69	68.2	40.98	31.97	10.5	32.94	350	357	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5442.05	49.48	-24.52	74	40.64	31.57	10.22	32.95	100	243	P	H
		5470	49.3	-18.9	68.2	40.38	31.64	10.24	32.96	100	243	P	H
		5459.9	39.2	-14.8	54	30.31	31.62	10.23	32.96	100	243	A	H
	*	5670	111.54	-	-	102.27	31.8	10.42	32.95	100	243	P	H
	*	5670	102.33	-	-	93.06	31.8	10.42	32.95	100	243	A	H
		5727.375	57.58	-10.62	68.2	48.13	31.91	10.48	32.94	100	243	P	H
		5441.35	49.15	-24.85	74	40.31	31.57	10.22	32.95	354	329	P	V
		5460.95	49.71	-18.49	68.2	40.81	31.62	10.24	32.96	354	329	P	V
		5459.55	39.07	-14.93	54	30.18	31.62	10.23	32.96	354	329	A	V
	*	5670	103.37	-	-	94.1	31.8	10.42	32.95	354	329	P	V
	*	5670	94.25	-	-	84.98	31.8	10.42	32.95	354	329	A	V
		5759.4	49.88	-18.32	68.2	40.27	32.02	10.52	32.93	354	329	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+8	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		5449.84	53.56	-20.44	74	44.68	31.6	10.23	32.95	100	241	P	H
		5469.28	55.43	-12.77	68.2	46.51	31.64	10.24	32.96	100	241	P	H
		5459.44	44.87	-9.13	54	35.98	31.62	10.23	32.96	100	241	A	H
	*	5530	100.83	-	-	91.87	31.64	10.29	32.97	100	241	P	H
	*	5530	91.52	-	-	82.56	31.64	10.29	32.97	100	241	A	H
		5760.275	50.34	-17.86	68.2	40.73	32.02	10.52	32.93	100	241	P	H
		5438.08	49.87	-24.13	74	41.05	31.55	10.22	32.95	381	356	P	V
		5462.08	51.97	-16.23	68.2	43.07	31.62	10.24	32.96	381	356	P	V
		5459.92	41.11	-12.89	54	32.22	31.62	10.23	32.96	381	356	A	V
	*	5530	97.12	-	-	88.16	31.64	10.29	32.97	381	356	P	V
	*	5530	87.37	-	-	78.41	31.64	10.29	32.97	381	356	A	V
		5746.1	49.58	-18.62	68.2	40.04	31.98	10.5	32.94	381	356	P	V
802.11ax HE80 Full CH 122 5610MHz		5453.95	48.34	-25.66	74	39.46	31.61	10.23	32.96	100	240	P	H
		5459.9	48.22	-25.78	74	39.33	31.62	10.23	32.96	100	240	P	H
		5459.2	39.46	-14.54	54	30.57	31.62	10.23	32.96	100	240	A	H
	*	5610	102.91	-	-	93.8	31.72	10.35	32.96	100	240	P	H
	*	5610	92.12	-	-	83.01	31.72	10.35	32.96	100	240	A	H
		5735.6	50.28	-17.92	68.2	40.79	31.94	10.49	32.94	100	240	P	H
		5451.5	49.38	-24.62	74	40.5	31.6	10.23	32.95	392	357	P	V
		5463.05	49.58	-18.62	68.2	40.67	31.63	10.24	32.96	392	357	P	V
		5458.5	39.13	-14.87	54	30.24	31.62	10.23	32.96	392	357	A	V
	*	5610	98.01	-	-	88.9	31.72	10.35	32.96	392	357	P	V
	*	5610	87.87	-	-	78.76	31.72	10.35	32.96	392	357	A	V
		5760.625	49.39	-18.81	68.2	39.78	32.02	10.52	32.93	392	357	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+8	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	47.69	-26.31	74	56.42	39.96	17.42	66.11	100	0	P	H
		16590	49.39	-18.81	68.2	55.06	38.77	21.9	66.34	100	0	P	H
													H
													H
		11060	47.32	-26.68	74	56.05	39.96	17.42	66.11	100	0	P	V
		16590	49.7	-18.5	68.2	55.37	38.77	21.9	66.34	100	0	P	V
													V
													V
802.11ax HE80 Full CH 122 5610MHz		11220	47.86	-26.14	74	56.91	39.5	17.6	66.15	100	0	P	H
		16830	50.32	-17.88	68.2	54.78	39.8	22.13	66.39	100	0	P	H
													H
													H
		11220	47.31	-26.69	74	56.36	39.5	17.6	66.15	100	0	P	V
		16830	49.79	-18.41	68.2	54.25	39.8	22.13	66.39	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 11+8	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		5432.08	61.75	-12.25	74	52.95	31.53	10.21	32.94	100	240	P	H
		5466.88	64.48	-3.72	68.2	55.57	31.63	10.24	32.96	100	240	P	H
		5455.84	42.06	-11.94	54	33.18	31.61	10.23	32.96	100	240	A	H
	*	5530	106.12	-	-	97.16	31.64	10.29	32.97	100	240	P	H
	*	5530	95.57	-	-	86.61	31.64	10.29	32.97	100	240	A	H
		5754.29	50.67	-17.53	68.2	41.08	32.01	10.51	32.93	100	240	P	H
		5459.2	55.79	-18.21	74	46.9	31.62	10.23	32.96	364	353	P	V
		5469.28	60.05	-8.15	68.2	51.13	31.64	10.24	32.96	364	353	P	V
		5458.96	40.47	-13.53	54	31.58	31.62	10.23	32.96	364	353	A	V
	*	5530	100.24	-	-	91.28	31.64	10.29	32.97	364	353	P	V
	*	5530	91.69	-	-	82.73	31.64	10.29	32.97	364	353	A	V
		5749.88	50.6	-17.6	68.2	41.04	32	10.5	32.94	364	353	P	V
802.11ax HE80 Partial 484/66 CH 106 5530MHz		5441.44	61.04	-12.96	74	52.2	31.57	10.22	32.95	100	241	P	H
		5466.88	64.75	-3.45	68.2	55.84	31.63	10.24	32.96	100	241	P	H
		5456.08	40.87	-13.13	54	31.99	31.61	10.23	32.96	100	241	A	H
	*	5530	106.38	-	-	97.42	31.64	10.29	32.97	100	241	P	H
	*	5530	97.81	-	-	88.85	31.64	10.29	32.97	100	241	A	H
		5759.96	50.97	-17.23	68.2	41.36	32.02	10.52	32.93	100	241	P	H
		5458.72	56.76	-17.24	74	47.87	31.62	10.23	32.96	395	337	P	V
		5469.52	58.25	-9.95	68.2	49.33	31.64	10.24	32.96	395	337	P	V
		5458.72	39.67	-14.33	54	30.78	31.62	10.23	32.96	395	337	A	V
	*	5530	100.48	-	-	91.52	31.64	10.29	32.97	395	337	P	V
	*	5530	91.23	-	-	82.27	31.64	10.29	32.97	395	337	A	V
		5751.77	50.4	-17.8	68.2	40.82	32	10.51	32.93	395	337	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 HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 114 5570MHz		5446.25	66.56	-7.44	74	57.7	31.59	10.22	32.95	100	243	P	H
		5462	62.04	-6.16	68.2	53.14	31.62	10.24	32.96	100	243	P	H
		5452.55	46.16	-7.84	54	37.28	31.61	10.23	32.96	100	243	A	H
	*	5570	101.91	-	-	92.92	31.64	10.32	32.97	100	243	P	H
	*	5570	92.78	-	-	83.79	31.64	10.32	32.97	100	243	A	H
		5726.15	65.01	-3.19	68.2	55.57	31.9	10.48	32.94	100	243	P	H
		5438.2	58.99	-15.01	74	50.17	31.55	10.22	32.95	400	350	P	V
		5460.6	52.32	-15.88	68.2	43.42	31.62	10.24	32.96	400	350	P	V
		5437.85	42.18	-11.82	54	33.36	31.55	10.22	32.95	400	350	A	V
	*	5570	96.13	-	-	87.14	31.64	10.32	32.97	400	350	P	V
	*	5570	87	-	-	78.01	31.64	10.32	32.97	400	350	A	V
		5725.975	57.56	-10.64	68.2	48.12	31.9	10.48	32.94	400	350	P	V
802.11ax HE160 Partial 996/S67 CH 114 5570MHz		5446.25	66.77	-7.23	74	57.91	31.59	10.22	32.95	100	244	P	H
		5462.35	62.74	-5.46	68.2	53.84	31.62	10.24	32.96	100	244	P	H
		5445.9	44.43	-9.57	54	35.58	31.58	10.22	32.95	100	244	A	H
	*	5570	103.99	-	-	95	31.64	10.32	32.97	100	244	P	H
	*	5570	93.93	-	-	84.94	31.64	10.32	32.97	100	244	A	H
		5726.15	63.77	-4.43	68.2	54.33	31.9	10.48	32.94	100	244	P	H
		5443.45	61.17	-12.83	74	52.33	31.57	10.22	32.95	396	353	P	V
		5459.9	54.49	-19.51	74	45.6	31.62	10.23	32.96	396	353	P	V
		5437.85	42	-12	54	33.18	31.55	10.22	32.95	396	353	A	V
	*	5570	96.99	-	-	88	31.64	10.32	32.97	396	353	P	V
	*	5570	89.05	-	-	80.06	31.64	10.32	32.97	396	353	A	V
		5728.6	59.45	-8.75	68.2	50	31.91	10.48	32.94	396	353	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
11+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5452.57	48.04	-25.96	74	39.16	31.61	10.23	32.96	100	243	P	H
		5463.88	47.53	-20.67	68.2	38.62	31.63	10.24	32.96	100	243	P	H
		5458.42	39.13	-14.87	54	30.24	31.62	10.23	32.96	100	243	A	H
	*	5720	110.18	-	-	100.77	31.88	10.47	32.94	100	243	P	H
	*	5720	102.93	-	-	93.52	31.88	10.47	32.94	100	243	A	H
		5880.25	51.09	-17.11	68.2	40.97	32.36	10.67	32.91	100	243	P	H
		5406.55	47.98	-26.02	74	39.29	31.43	10.19	32.93	107	240	P	V
		5468.17	47.1	-21.1	68.2	38.18	31.64	10.24	32.96	107	240	P	V
		5459.2	39.09	-14.91	54	30.2	31.62	10.23	32.96	107	240	A	V
	*	5720	105.97	-	-	96.56	31.88	10.47	32.94	107	240	P	V
	*	5720	98.54	-	-	89.13	31.88	10.47	32.94	107	240	A	V
		5925.5	51.37	-16.83	68.2	41.13	32.4	10.74	32.9	107	240	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.66	-26.34	74	56.27	39.74	17.86	66.21	100	0	P	H
		17160	49.49	-18.71	68.2	53.21	39.96	22.56	66.24	100	0	P	H
													H
													H
		11440	47.47	-26.53	74	56.08	39.74	17.86	66.21	100	0	P	V
		17160	49.18	-19.02	68.2	52.9	39.96	22.56	66.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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

WIFI Ant. 11+8	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 144 5720MHz		5374.96	48.24	-25.76	74	39.68	31.3	10.17	32.91	100	239	P	H
		5467.78	47.91	-20.29	68.2	38.99	31.64	10.24	32.96	100	239	P	H
		5459.98	39.25	-14.75	54	30.36	31.62	10.23	32.96	100	239	A	H
	*	5720	108.94	-	-	99.53	31.88	10.47	32.94	100	239	P	H
	*	5720	99.93	-	-	90.52	31.88	10.47	32.94	100	239	A	H
		5933	50.86	-17.34	68.2	40.61	32.4	10.75	32.9	100	239	P	H
		5440.09	49.36	-24.64	74	40.53	31.56	10.22	32.95	376	25	P	V
		5469.34	48.25	-19.95	68.2	39.33	31.64	10.24	32.96	376	25	P	V
		5459.59	39.21	-14.79	54	30.32	31.62	10.23	32.96	376	25	A	V
	*	5720	103.59	-	-	94.18	31.88	10.47	32.94	376	25	P	V
	*	5720	95.12	-	-	85.71	31.88	10.47	32.94	376	25	A	V
		5912	51.16	-17.04	68.2	40.95	32.4	10.72	32.91	376	25	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 11+8	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 144 5720MHz		11440	47.51	-26.49	74	56.12	39.74	17.86	66.21	100	0	P	H
		17160	49.29	-18.91	68.2	53.01	39.96	22.56	66.24	100	0	P	H
													H
													H
		11440	47.21	-26.79	74	55.82	39.74	17.86	66.21	100	0	P	V
		17160	49.84	-18.36	68.2	53.56	39.96	22.56	66.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5360.53	48.34	-25.66	74	39.85	31.24	10.16	32.91	100	241	P	H
		5466.22	49.43	-18.77	68.2	40.52	31.63	10.24	32.96	100	241	P	H
		5457.25	39.12	-14.88	54	30.24	31.61	10.23	32.96	100	241	A	H
	*	5710	105.82	-	-	96.46	31.84	10.46	32.94	100	241	P	H
	*	5710	96.09	-	-	86.73	31.84	10.46	32.94	100	241	A	H
		5907.75	50.77	-17.43	68.2	40.57	32.4	10.71	32.91	100	241	P	H
		5449.45	48.6	-25.4	74	39.72	31.6	10.23	32.95	377	2	P	V
		5466.61	47.42	-20.78	68.2	38.51	31.63	10.24	32.96	377	2	P	V
		5459.59	39.02	-14.98	54	30.13	31.62	10.23	32.96	377	2	A	V
	*	5710	102.42	-	-	93.06	31.84	10.46	32.94	377	2	P	V
	*	5710	92.03	-	-	82.67	31.84	10.46	32.94	377	2	A	V
		5900.25	50.81	-17.39	68.2	40.62	32.4	10.7	32.91	377	2	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		11420	47.73	-26.27	74	56.38	39.72	17.83	66.2	100	0	P	H
		17130	49.45	-18.75	68.2	53.29	39.93	22.51	66.28	100	0	P	H
													H
													H
		11420	46.96	-27.04	74	55.61	39.72	17.83	66.2	100	0	P	V
		17130	49.87	-18.33	68.2	53.71	39.93	22.51	66.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

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

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5437.36	48.87	-25.13	74	40.05	31.55	10.22	32.95	100	243	P	H
		5463.88	49.51	-18.69	68.2	40.6	31.63	10.24	32.96	100	243	P	H
		5459.59	39.27	-14.73	54	30.38	31.62	10.23	32.96	100	243	A	H
	*	5690	102.38	-	-	93.09	31.8	10.44	32.95	100	243	P	H
	*	5690	92.53	-	-	83.24	31.8	10.44	32.95	100	243	A	H
		5857.6	50.97	-17.23	68.2	40.93	32.32	10.64	32.92	100	243	P	H
		5457.25	49.03	-24.97	74	40.15	31.61	10.23	32.96	379	356	P	V
		5464.66	47.64	-20.56	68.2	38.73	31.63	10.24	32.96	379	356	P	V
		5458.42	39.02	-14.98	54	30.13	31.62	10.23	32.96	379	356	A	V
	*	5690	98.47	-	-	89.18	31.8	10.44	32.95	379	356	P	V
	*	5690	88.45	-	-	79.16	31.8	10.44	32.95	379	356	A	V
		5875	51.11	-17.09	68.2	41.01	32.35	10.66	32.91	379	356	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	46.85	-27.15	74	55.6	39.66	17.78	66.19	100	0	P	H
		17070	49.56	-18.64	68.2	53.49	39.99	22.42	66.34	100	0	P	H
													H
													H
		11380	46.35	-27.65	74	55.1	39.66	17.78	66.19	100	0	P	V
		17070	50.33	-17.87	68.2	54.26	39.99	22.42	66.34	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE80 Partial 996 (LF @ 3m)

WIFI Ant. 11+8	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 996/67 LF		92.08	28.66	-14.84	43.5	44.89	14.88	1.4	32.51	100	0	P	H
		129.91	28.4	-15.1	43.5	41.9	17.35	1.66	32.51	-	-	P	H
		161.92	28.39	-15.11	43.5	42.77	16.24	1.9	32.52	-	-	P	H
		856.44	30.14	-15.86	46	28.07	29.25	4.19	31.37	-	-	P	H
		894.27	30.49	-15.51	46	28.28	29.12	4.31	31.22	-	-	P	H
		953.44	30.77	-15.23	46	26.33	30.84	4.45	30.85	-	-	P	H
													H
													H
													H
													H
													H
													H
		54.25	27.85	-12.15	40	46.97	12.35	1.08	32.55	100	0	P	V
		91.11	28.34	-15.16	43.5	44.79	14.67	1.39	32.51	-	-	P	V
		161.92	27.53	-15.97	43.5	41.91	16.24	1.9	32.52	-	-	P	V
		884.57	29.97	-16.03	46	27.78	29.17	4.28	31.26	-	-	P	V
		903.97	30.32	-15.68	46	28.06	29.1	4.33	31.17	-	-	P	V
		949.56	31.1	-14.9	46	26.88	30.65	4.45	30.88	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<WPC Charging Mode>

Band 3 - 5470~5725MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 114 5570MHz		5443.12	65.3	-8.7	74	56.46	31.57	10.22	32.95	108	208	P	H
		5462.8	60.8	-7.4	68.2	51.89	31.63	10.24	32.96	108	208	P	H
		5447.92	44.26	-9.74	54	35.39	31.59	10.23	32.95	108	208	A	H
	*	5570	97.54	-	-	88.55	31.64	10.32	32.97	108	208	P	H
	*	5570	87.18	-	-	78.19	31.64	10.32	32.97	108	208	A	H
		5725.625	58.12	-10.08	68.2	48.68	31.9	10.48	32.94	108	208	P	H
		5441.44	69.22	-4.78	74	60.38	31.57	10.22	32.95	100	237	P	V
		5461.84	63.06	-5.14	68.2	54.16	31.62	10.24	32.96	100	237	P	V
		5441.68	47.56	-6.44	54	38.72	31.57	10.22	32.95	100	237	A	V
	*	5570	102.13	-	-	93.14	31.64	10.32	32.97	100	237	P	V
	*	5570	91.63	-	-	82.64	31.64	10.32	32.97	100	237	A	V
		5728.46	64.39	-3.81	68.2	54.94	31.91	10.48	32.94	100	237	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 HE160 Partial 996 (Harmonic @ 3m)

WIFI Ant. 11+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 114 5570MHz		11140	48.43	-25.57	74	57.37	39.68	17.51	66.13	100	0	P	H
		16710	50.87	-17.33	68.2	55.68	39.53	22.02	66.36	100	0	P	H
													H
													H
		11140	49.02	-24.98	74	57.96	39.68	17.51	66.13	100	0	P	V
		16710	50.5	-17.7	68.2	55.31	39.53	22.02	66.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE80 Partial 996 (LF @ 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+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Partial 996/67 LF		91.11	27.57	-15.93	43.5	44.02	14.67	1.39	32.51	-	-	P	H
		133.79	26.03	-17.47	43.5	39.48	17.37	1.69	32.51	-	-	P	H
		161.92	27.89	-15.61	43.5	42.27	16.24	1.9	32.52	-	-	P	H
		853.53	30.08	-15.92	46	28.08	29.2	4.19	31.39	-	-	P	H
		880.69	30.49	-15.51	46	28.31	29.19	4.27	31.28	-	-	P	H
		951.5	30.85	-15.15	46	26.52	30.75	4.45	30.87	100	0	P	H
													H
													H
													H
													H
													H
													H
		54.25	26.94	-13.06	40	46.06	12.35	1.08	32.55	100	0	P	V
		91.11	27.57	-15.93	43.5	44.02	14.67	1.39	32.51	-	-	P	V
		150.28	27.38	-16.12	43.5	41.16	16.92	1.82	32.52	-	-	P	V
		919.49	30.58	-15.42	46	27.96	29.32	4.37	31.07	-	-	P	V
		942.77	30.63	-15.37	46	26.89	30.23	4.43	30.92	-	-	P	V
		959.26	30.81	-15.19	46	26.05	31.11	4.46	30.81	-	-	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+8		(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

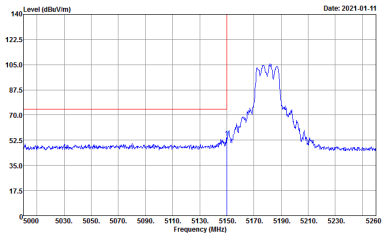
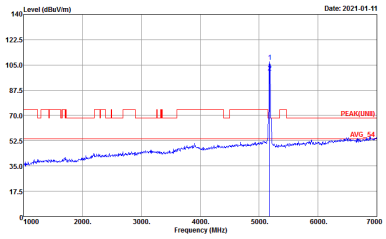
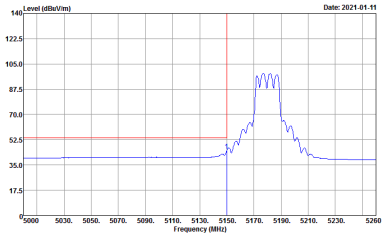
Test Engineer :	Bill Cheng, Fu Chen, Troye Hsieh	**Temperature :**	18.8~24°C
		Relative Humidity :	33.2~66.1%

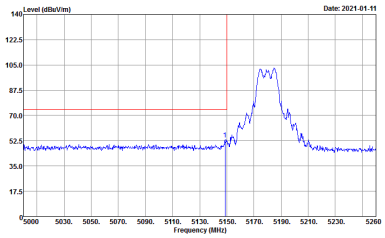
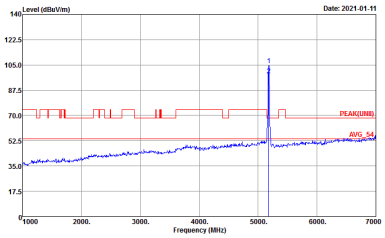
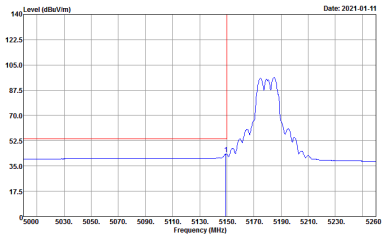
Note symbol

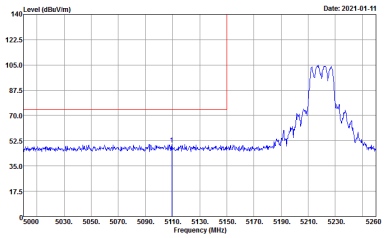
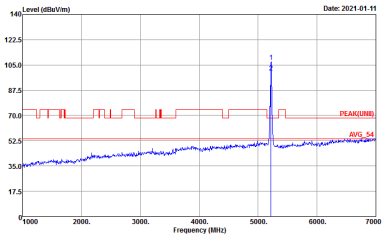
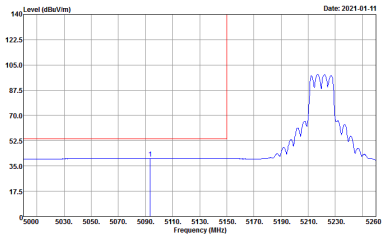
-L	**Low channel location**
-R	**High channel location**

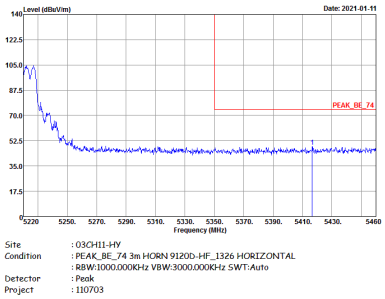
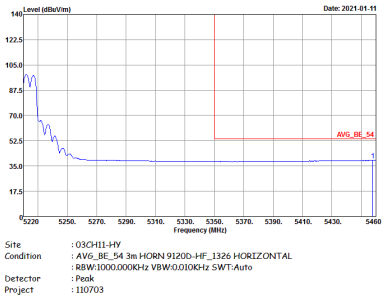
Band 1 - 5150~5250MHz

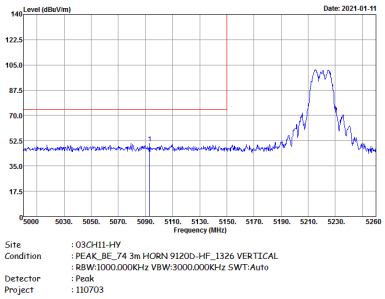
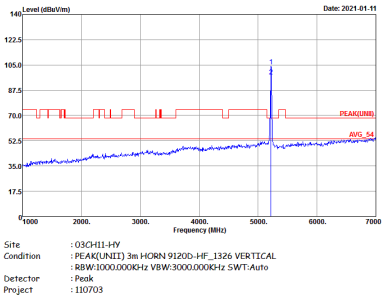
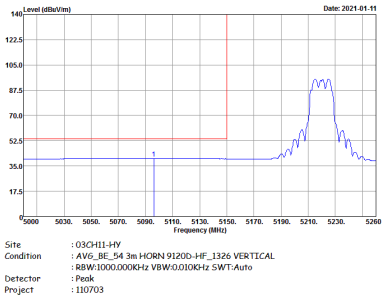
WIFI 802.11a (Band Edge @ 3m)

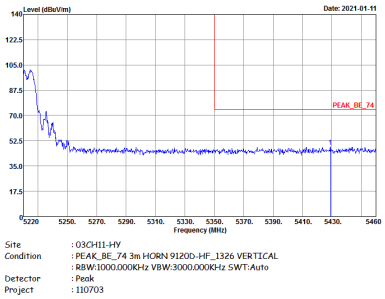
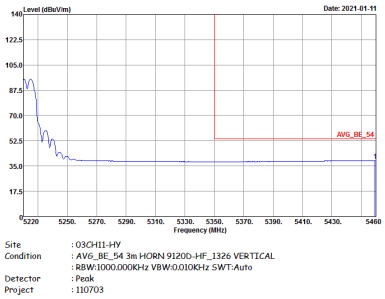
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

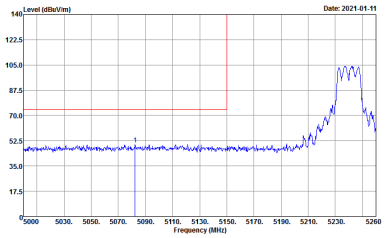
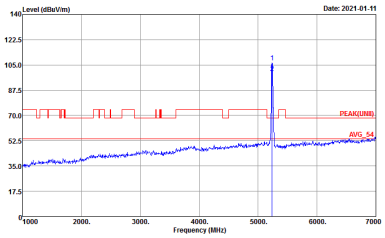
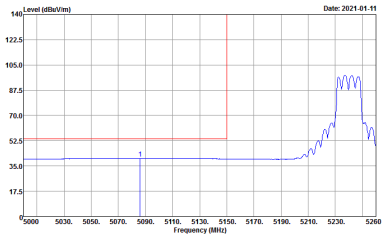
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
11+8	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

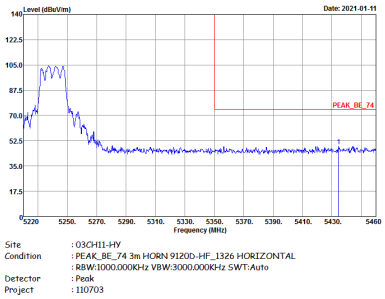
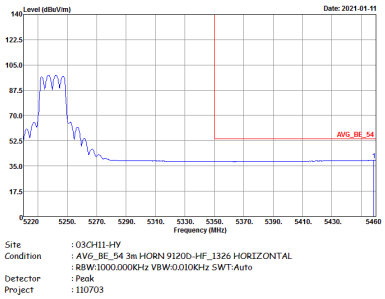
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

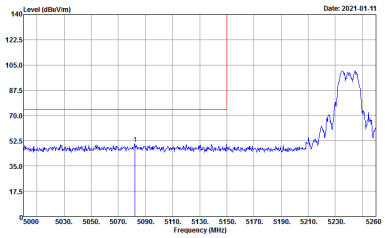
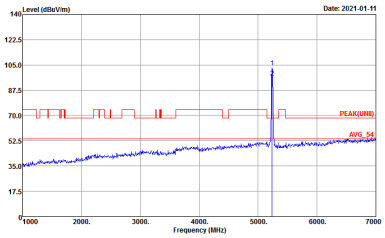
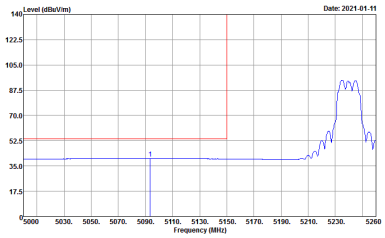
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

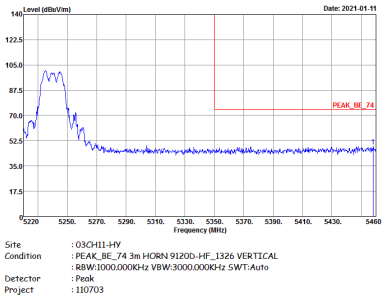
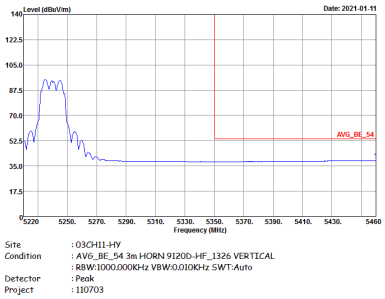
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

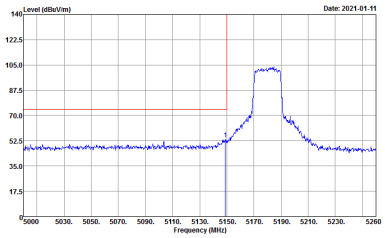
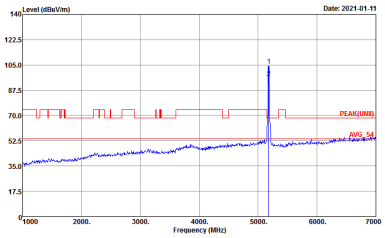
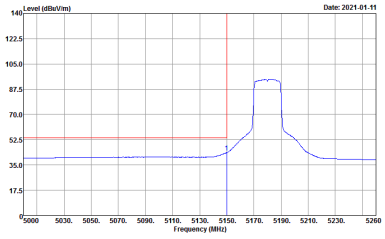
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

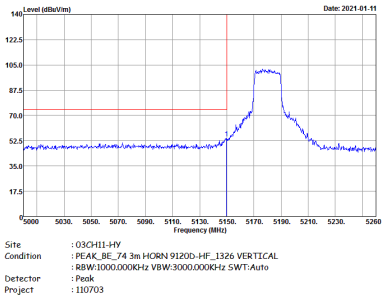
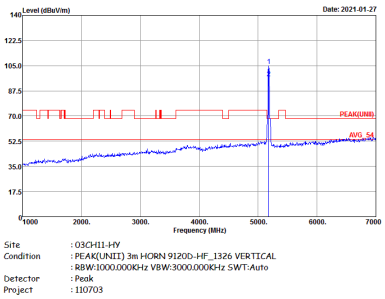
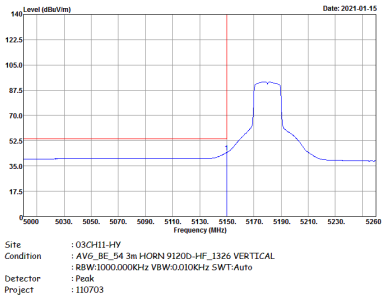
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
11+8	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

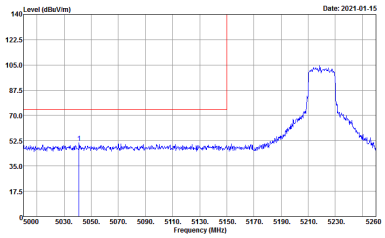
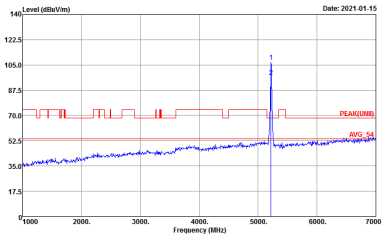
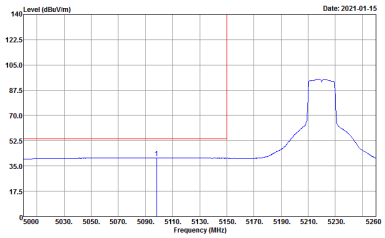
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

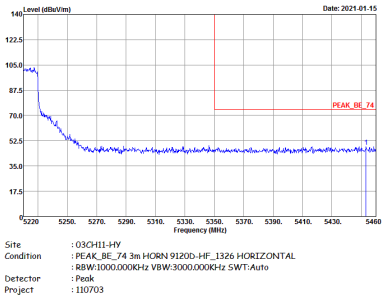
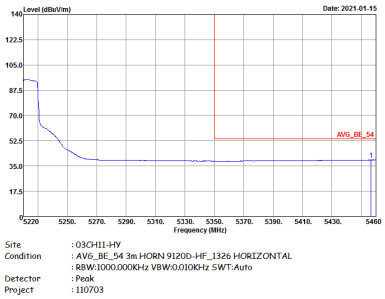
Band 1 5150~5250MHz

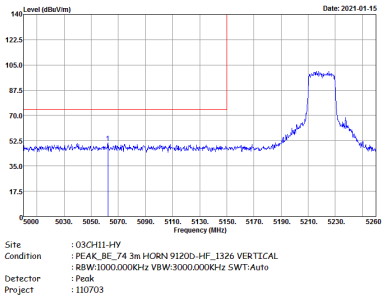
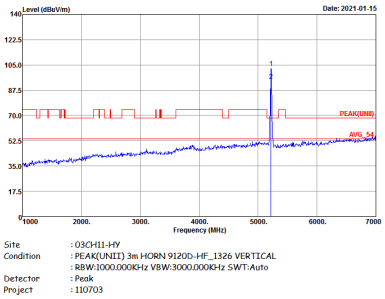
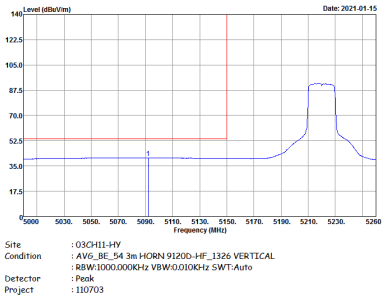
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

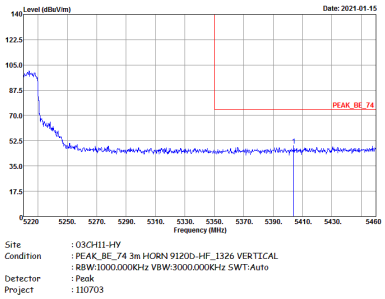
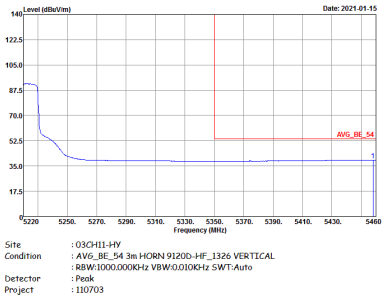
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

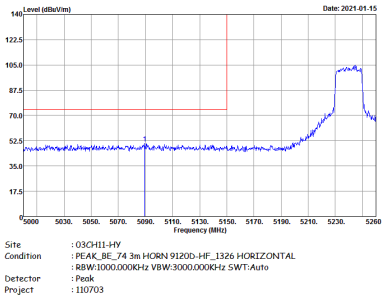
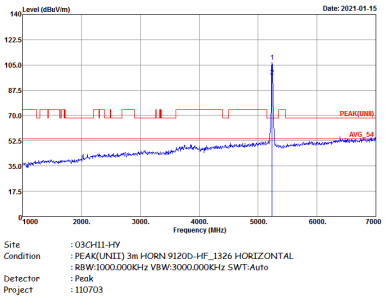
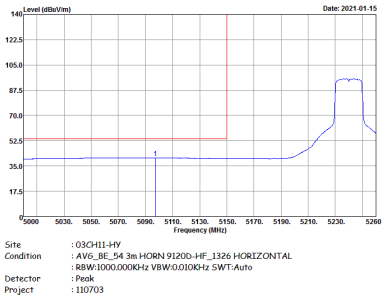
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

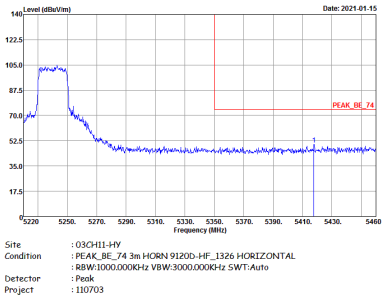
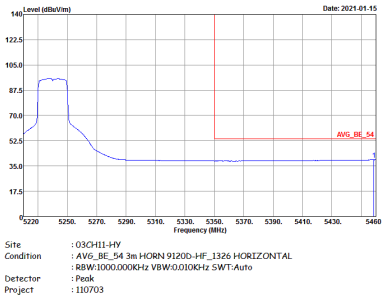
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

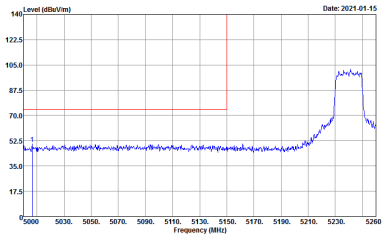
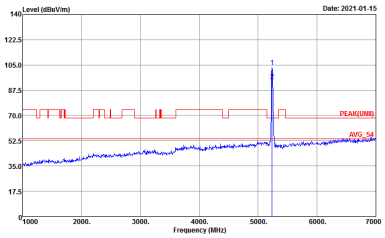
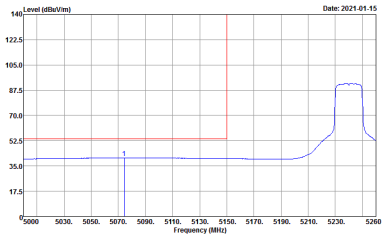
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

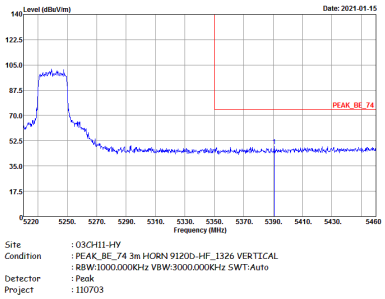
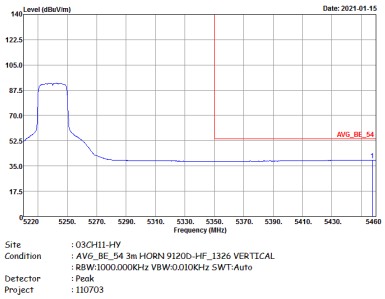
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
11+8	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+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

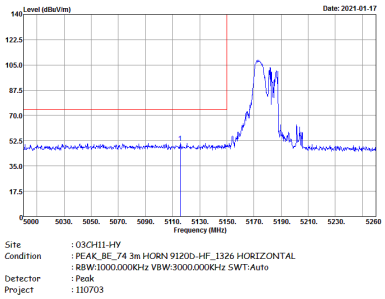
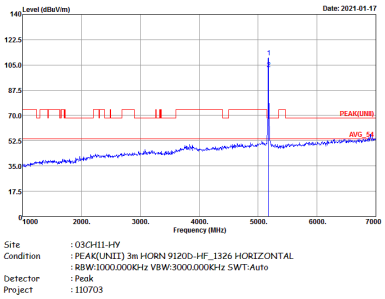
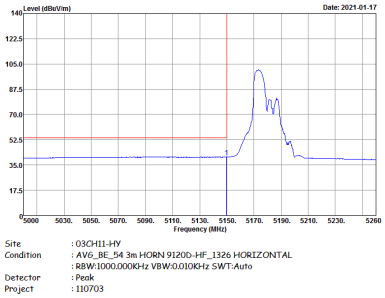
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

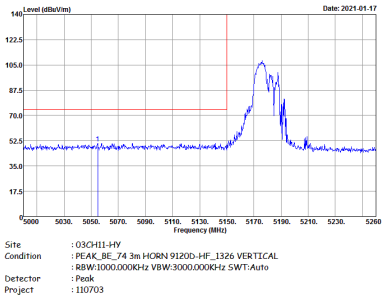
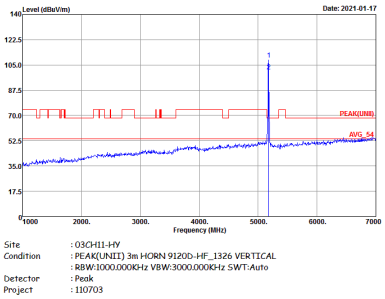
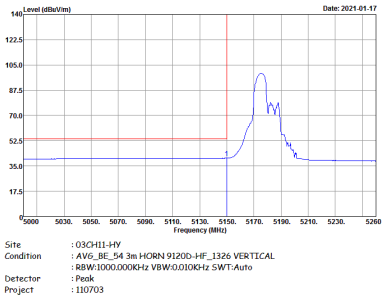
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
11+8	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

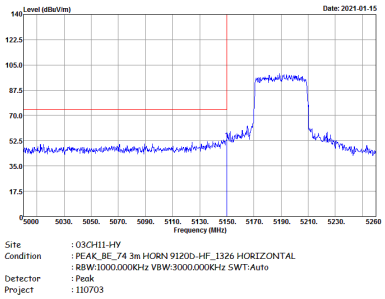
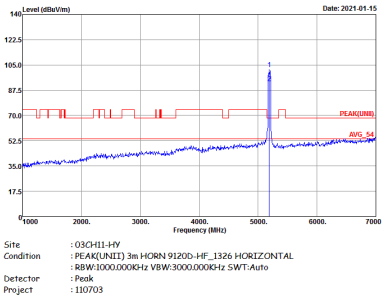
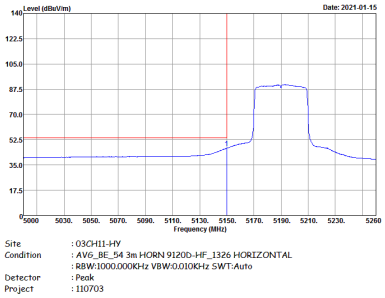
Band 1 5150~5250MHz

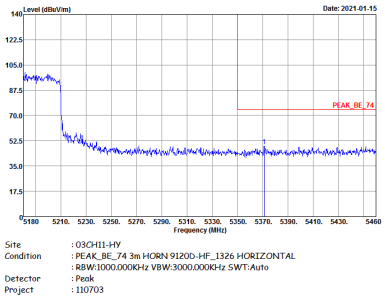
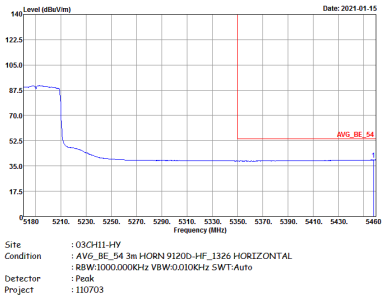
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

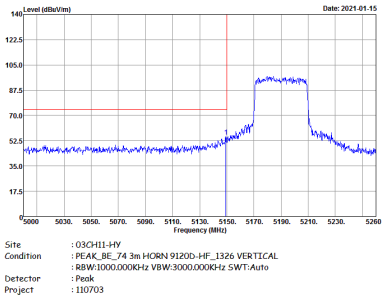
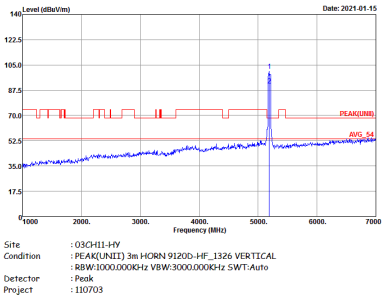
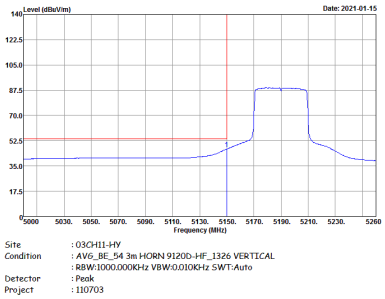
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

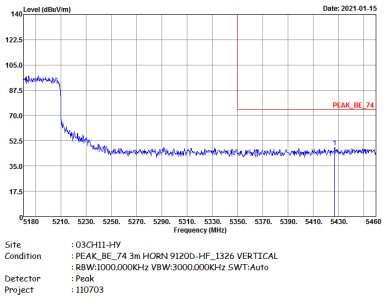
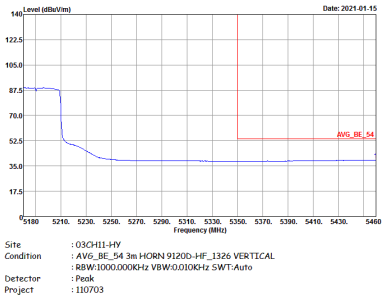
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

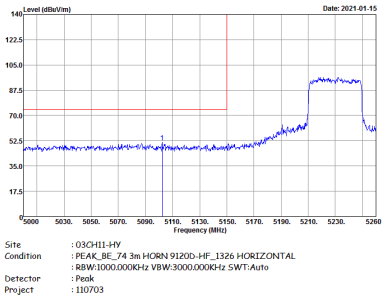
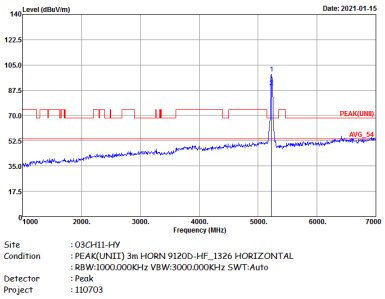
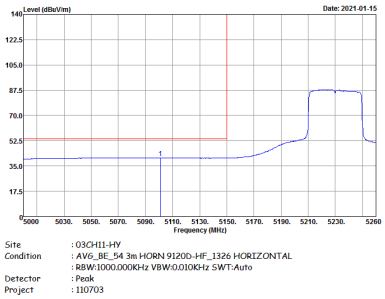
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

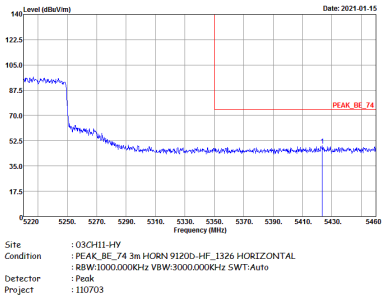
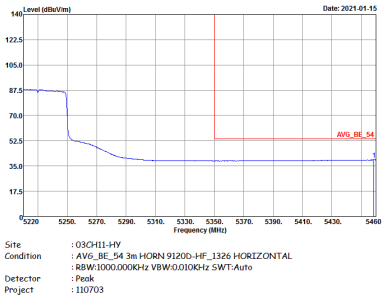
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

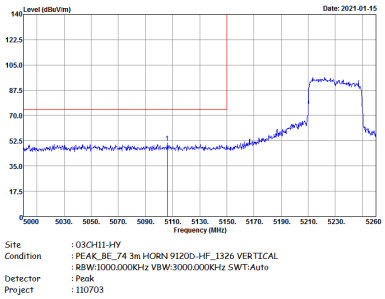
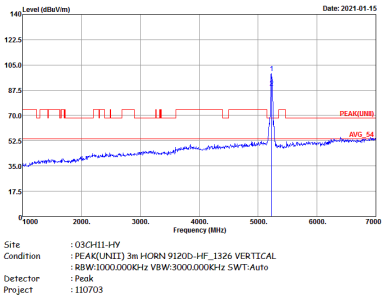
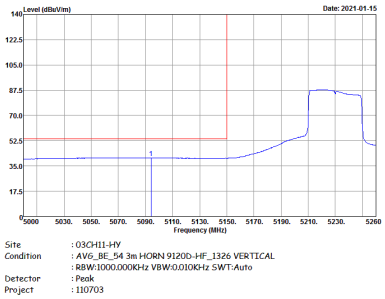
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

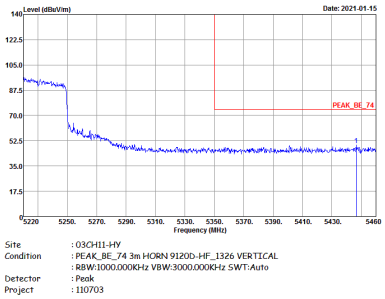
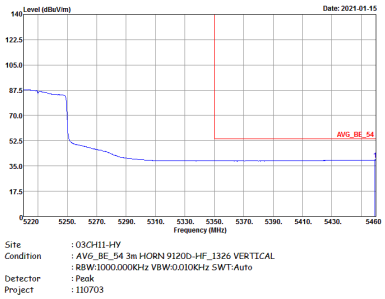
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
11+8	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+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

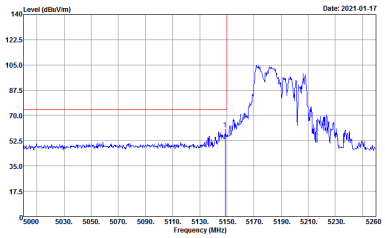
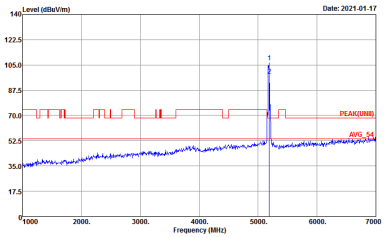
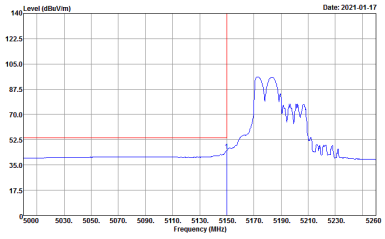
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

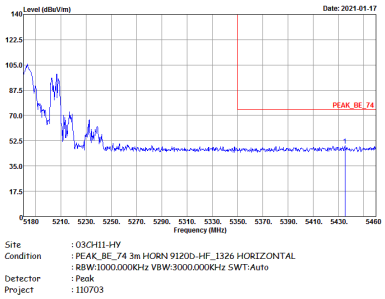
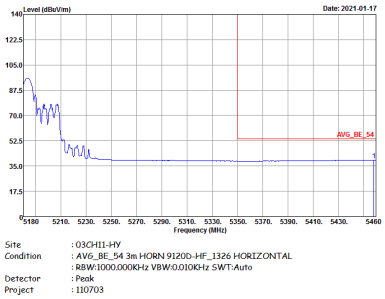
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

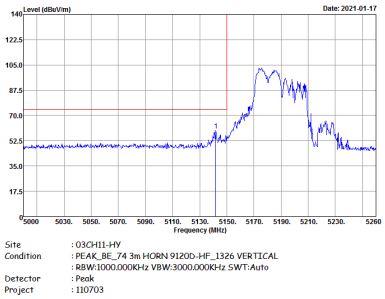
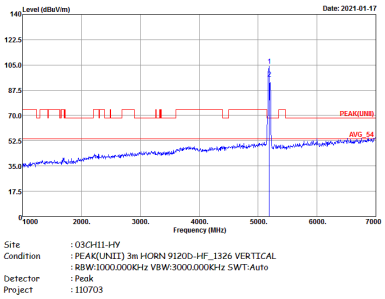
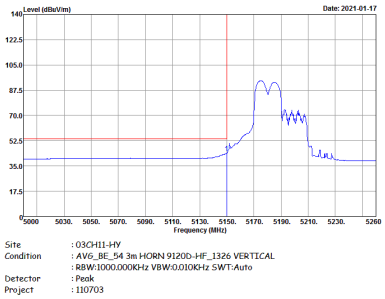
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

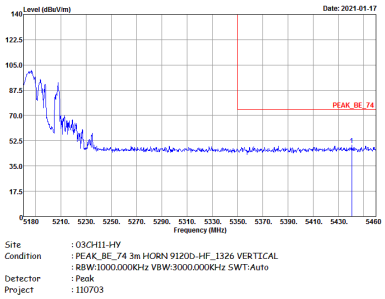
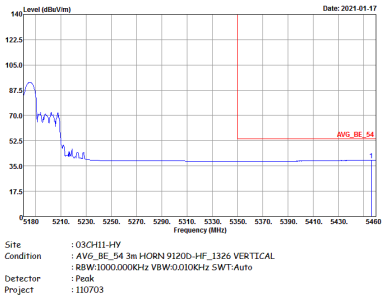
Band 1 5150~5250MHz

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+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

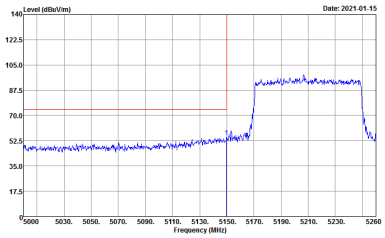
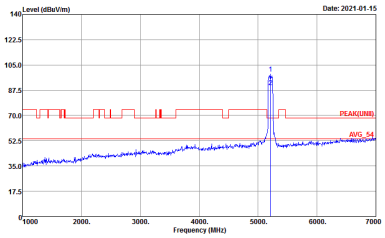
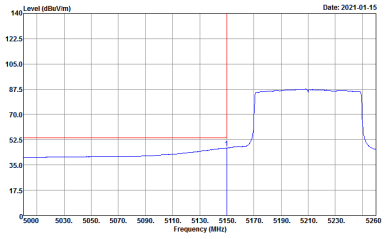
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

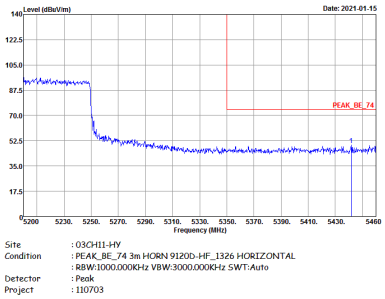
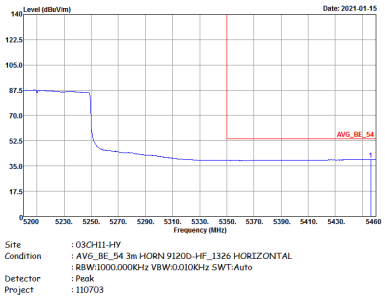
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

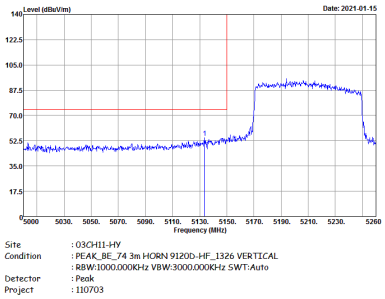
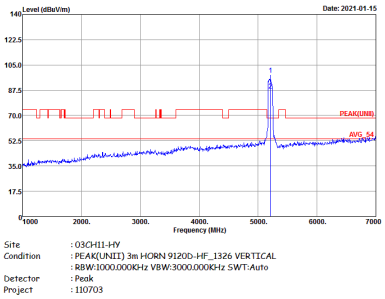
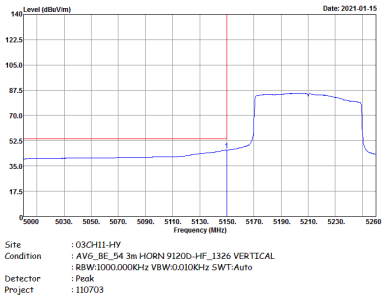
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

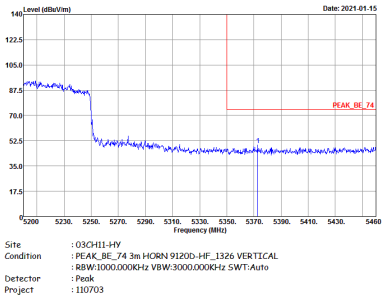
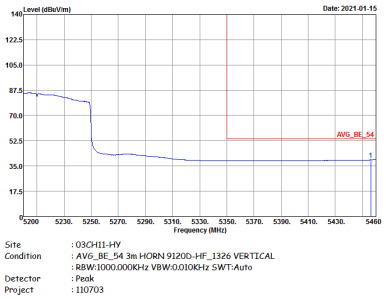
Band 1 5150~5250MHz

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+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

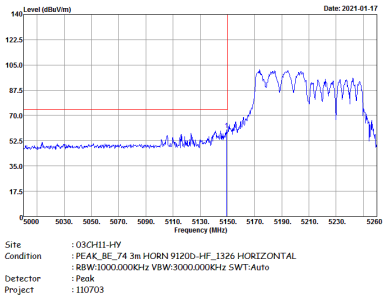
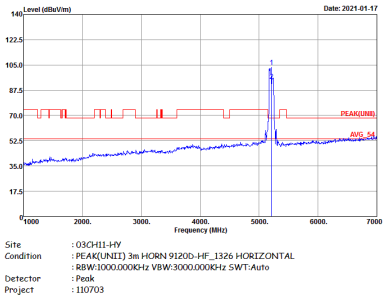
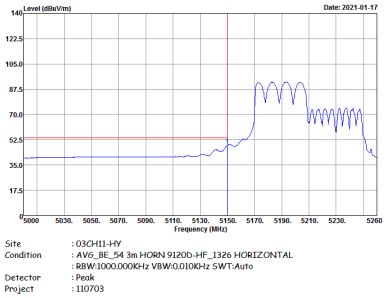
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

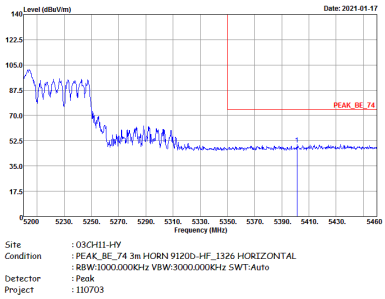
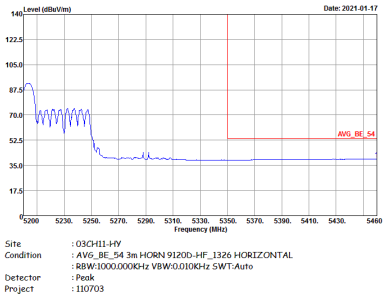
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

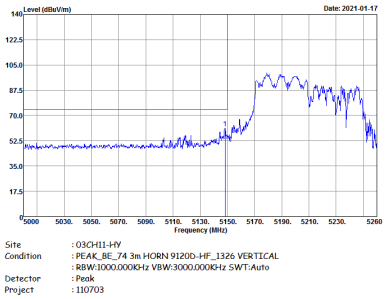
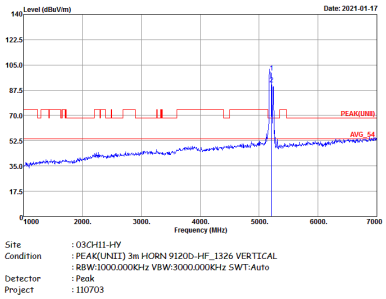
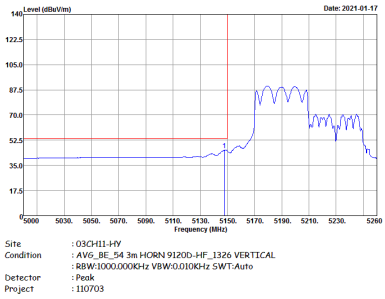
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

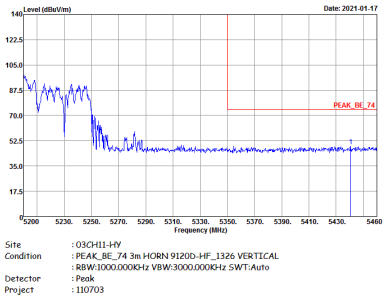
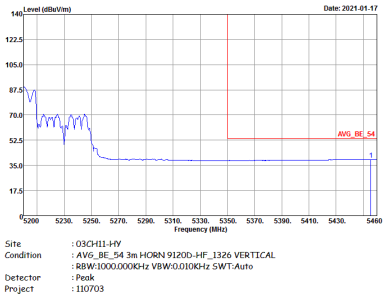
Band 1 5150~5250MHz

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+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

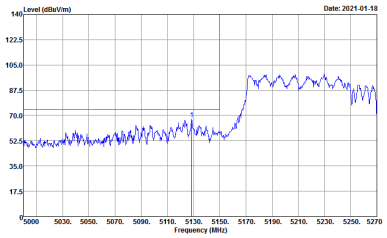
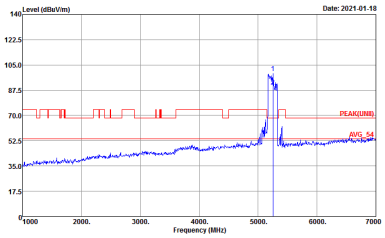
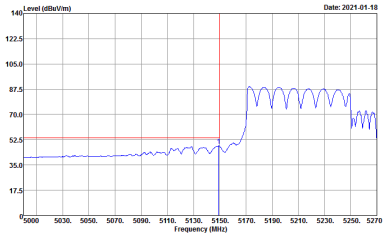
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65CH42 5210MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

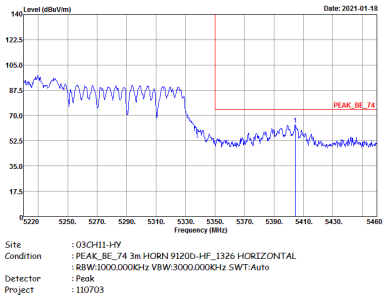
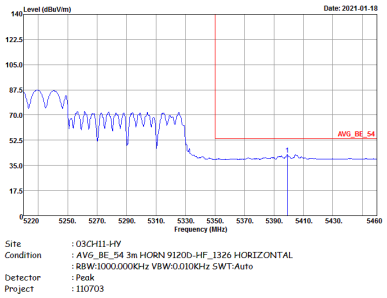
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

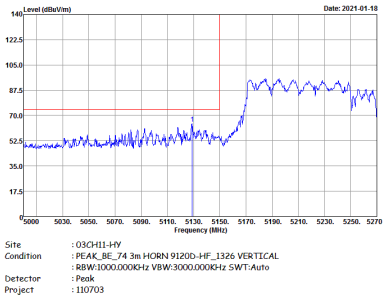
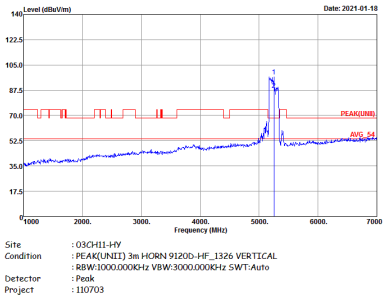
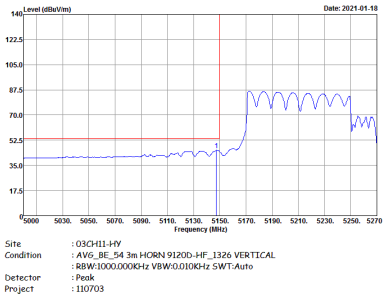
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

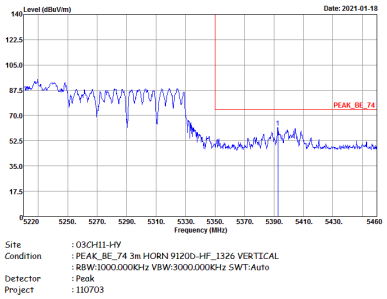
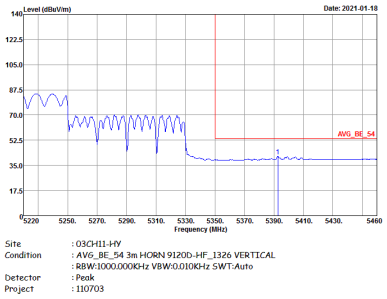
Band 1 5150~5250MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

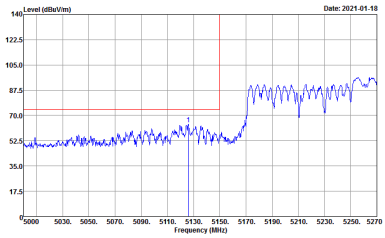
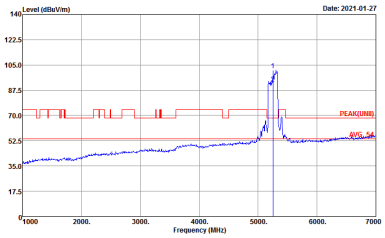
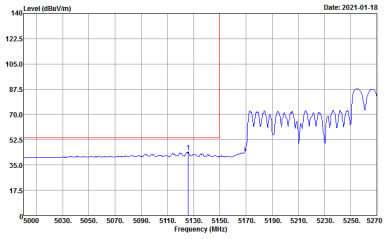
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67CH50 5250MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

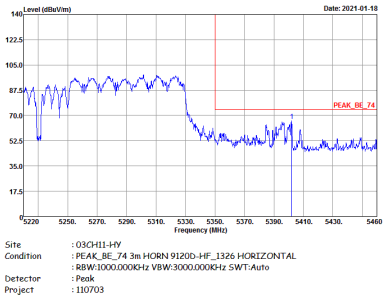
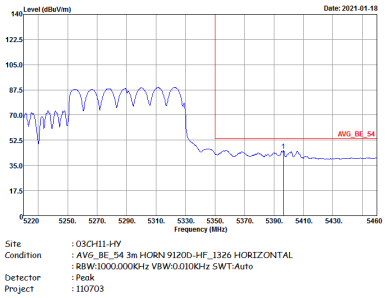
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH50 5250MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

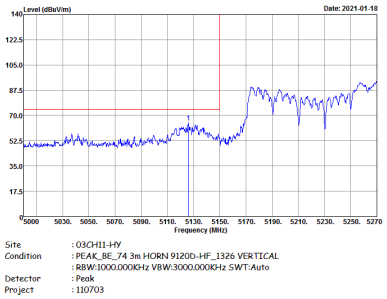
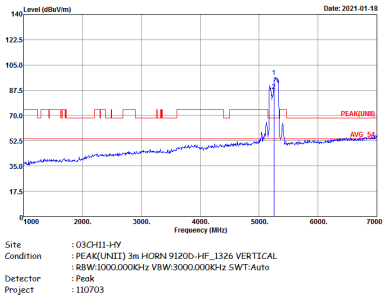
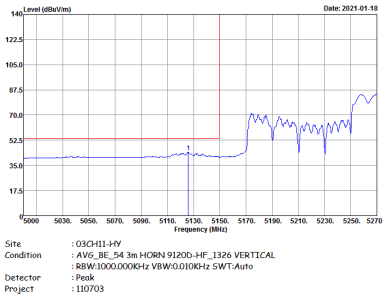
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH50 5250MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

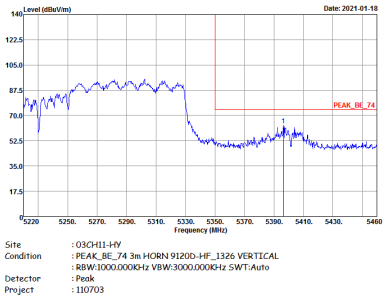
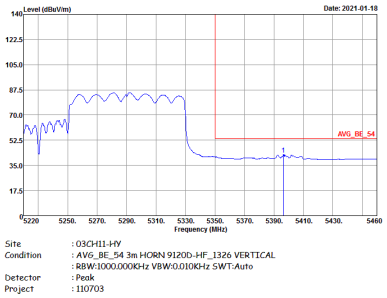
Band 1 5150~5250MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/S67 CH50 5250MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

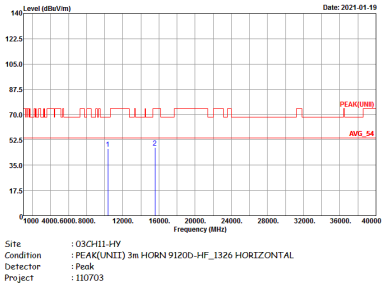
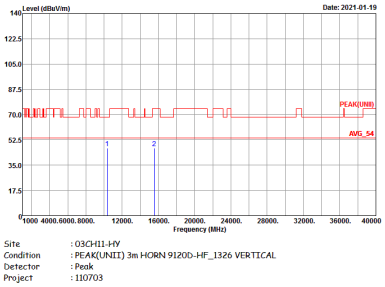
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/S67CH50 5250MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

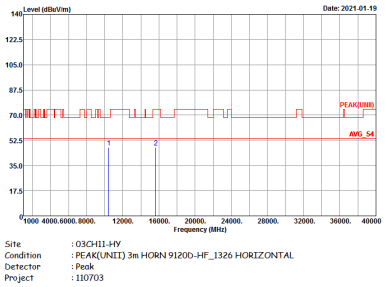
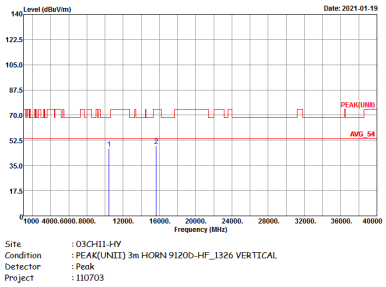
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/S67 CH50 5250MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

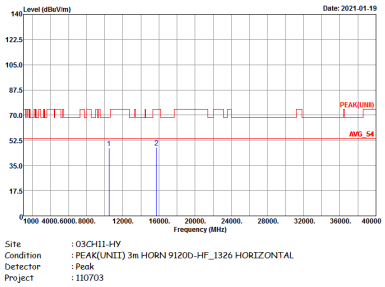
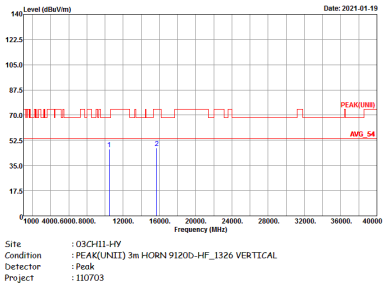
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/S67 CH50 5250MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

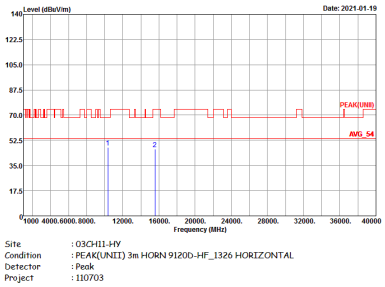
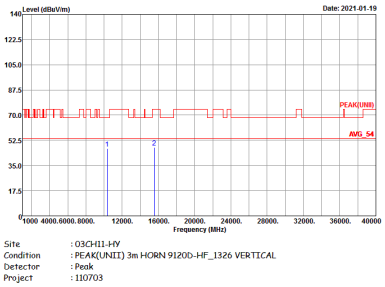
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
11+8	Horizontal	Vertical
Peak Avg.	 	

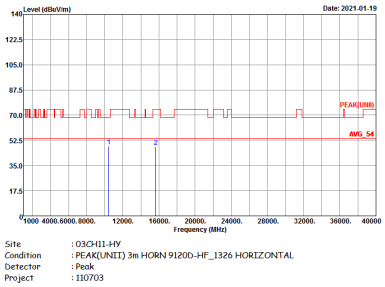
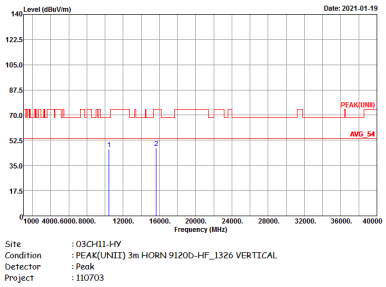
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
11+8	Horizontal	Vertical
Peak Avg.		

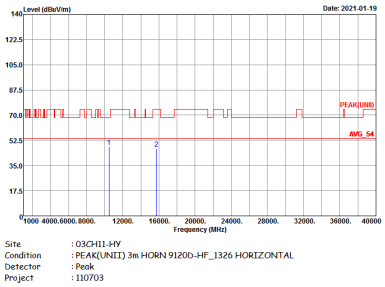
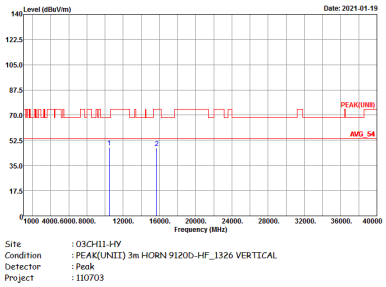
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
11+8	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

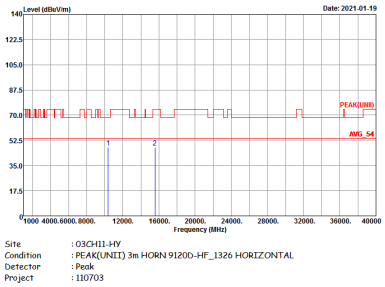
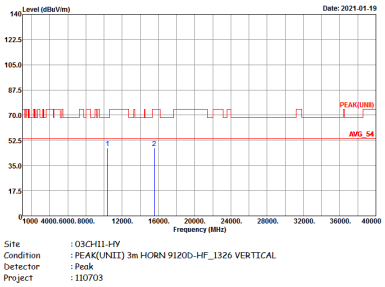
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
11+8	Horizontal	Vertical
Peak Avg.		

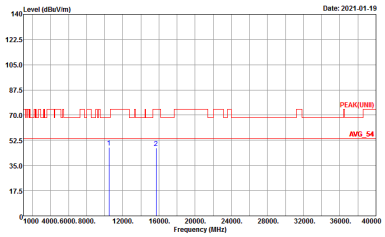
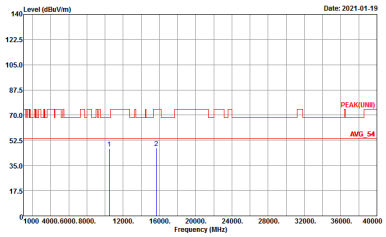
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
11+8	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
11+8	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

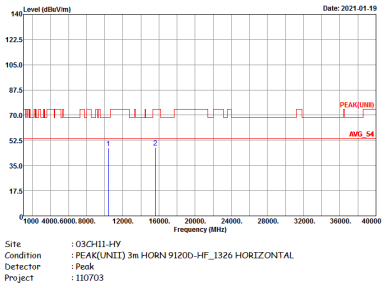
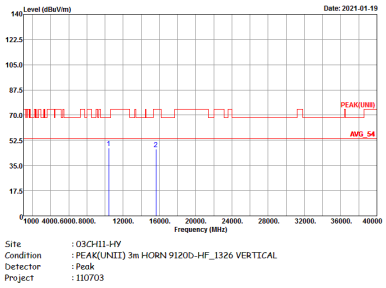
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
11+8	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
11+8	Horizontal	Vertical
Peak Avg.		

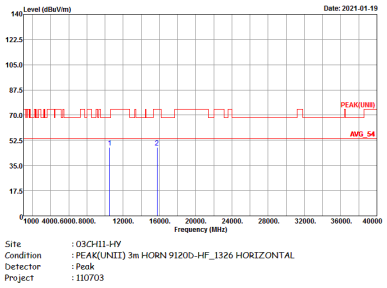
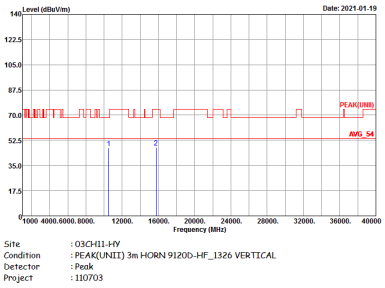
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
11+8	Horizontal	Vertical
Peak Avg.		

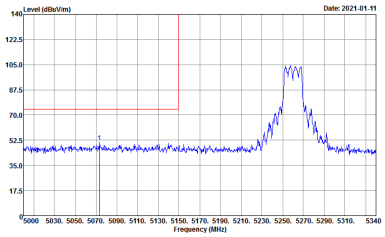
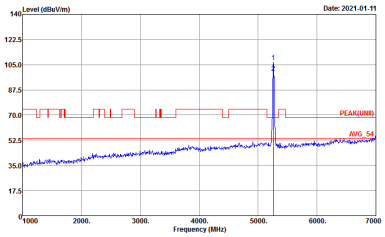
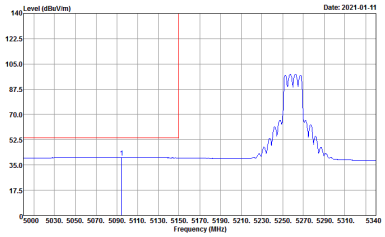
Band 1 5150~5250MHz

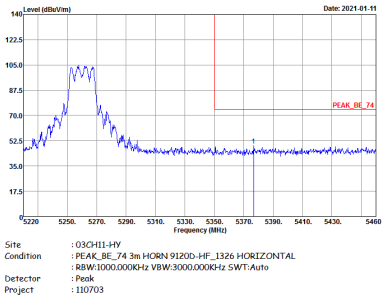
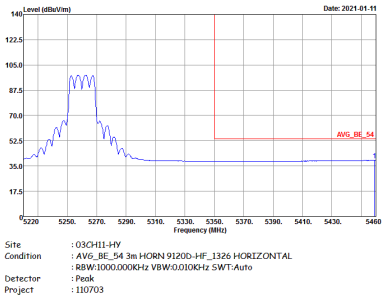
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

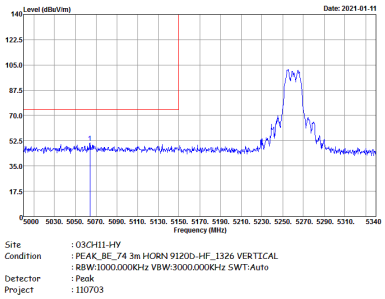
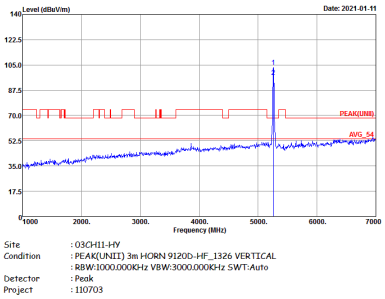
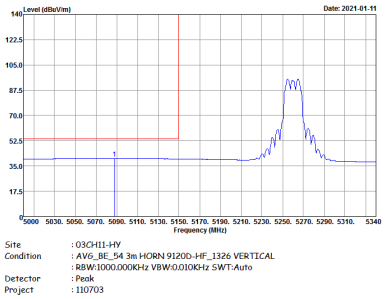
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
11+8	Horizontal	Vertical
Peak Avg.		

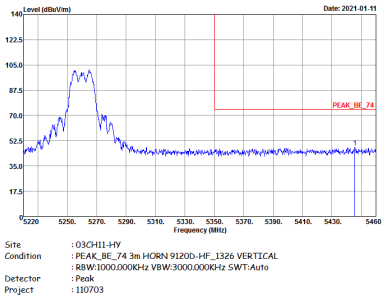
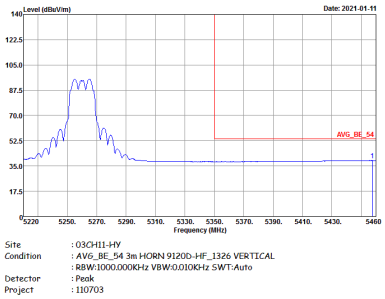
Band 2 - 5250~5350MHz

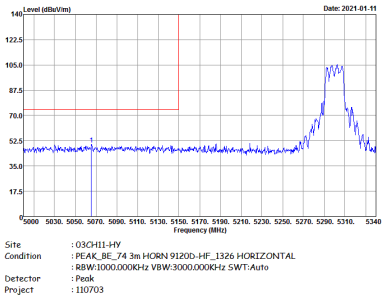
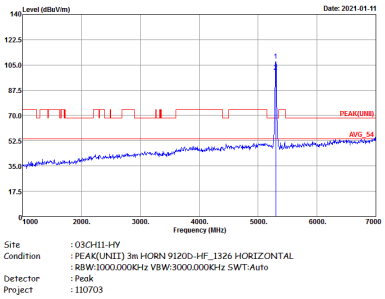
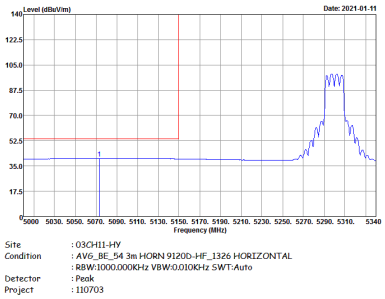
WIFI 802.11a (Band Edge @ 3m)

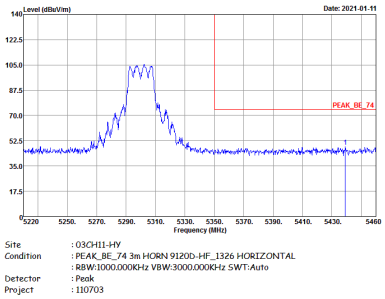
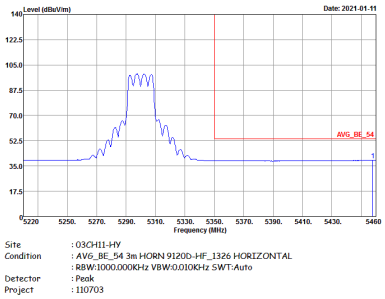
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

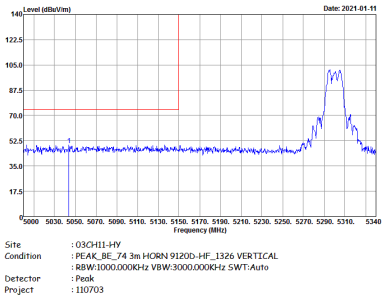
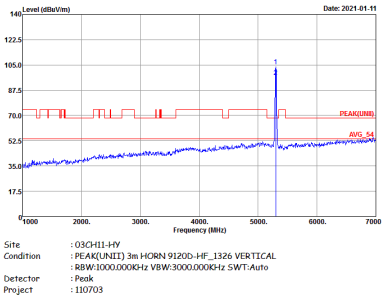
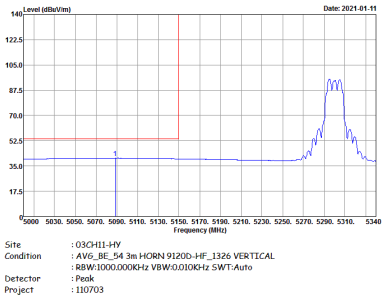
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

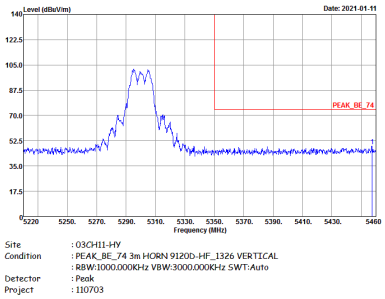
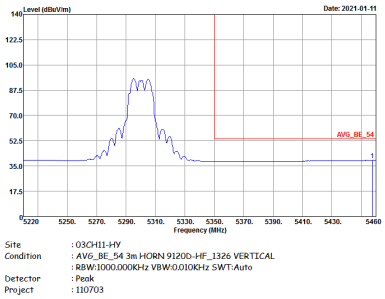
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

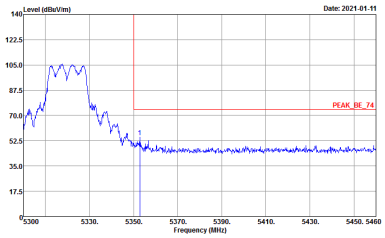
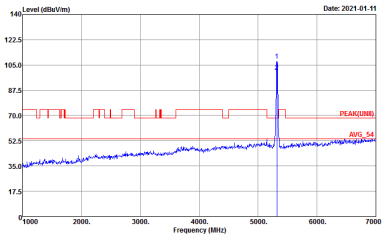
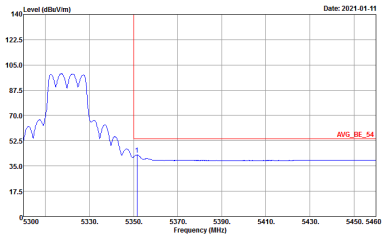
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

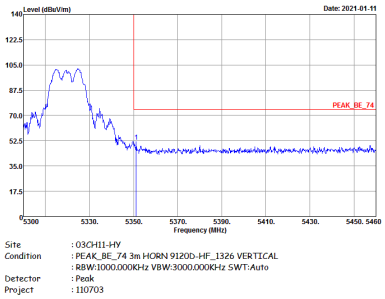
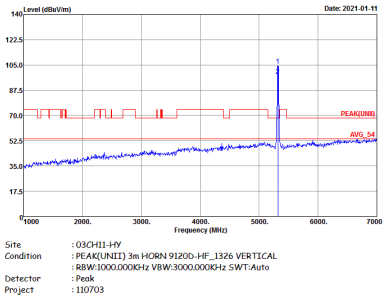
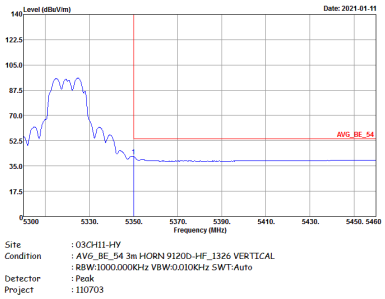
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

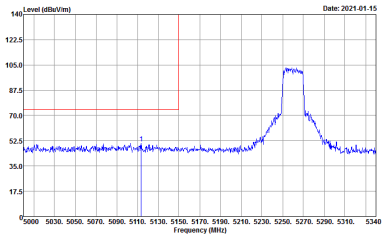
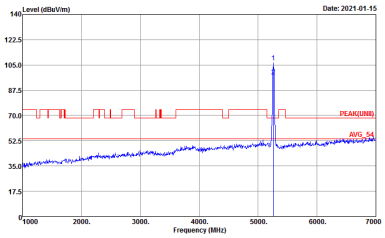
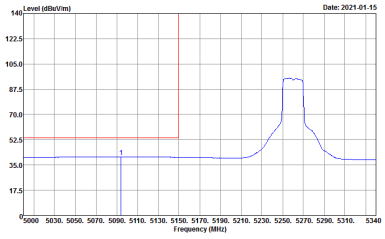
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

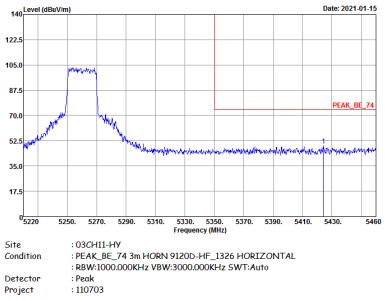
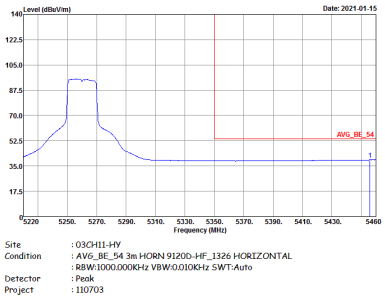
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

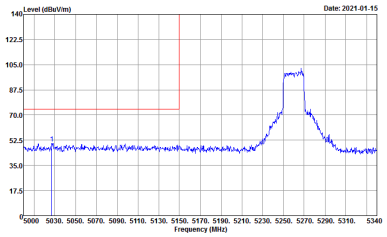
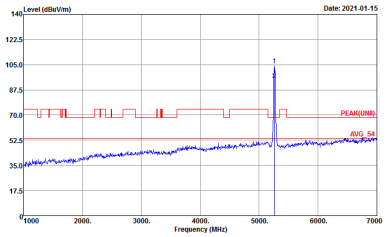
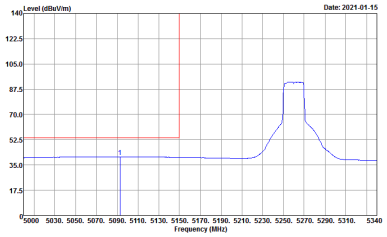
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

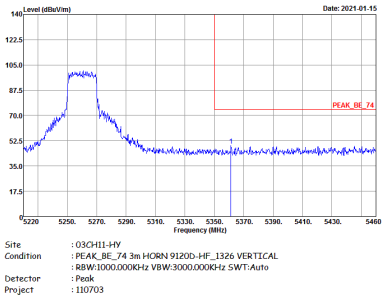
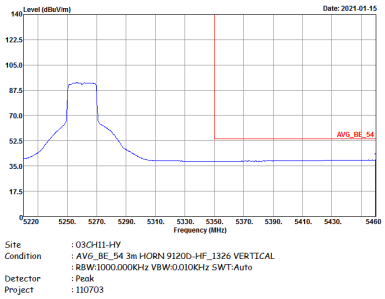
Band 2 5250~5350MHz

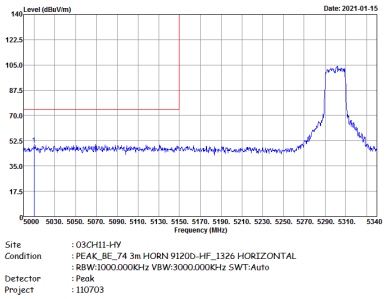
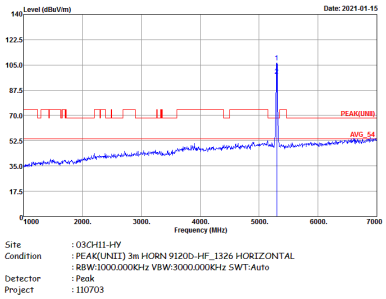
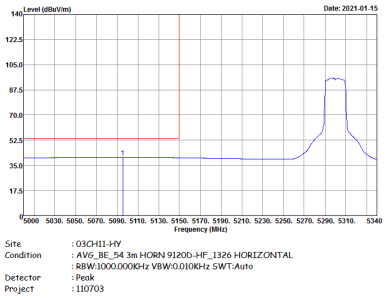
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

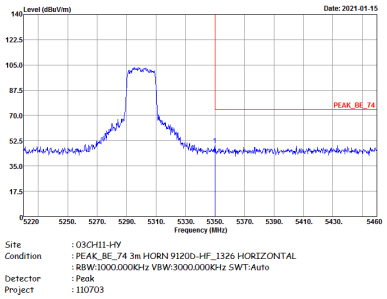
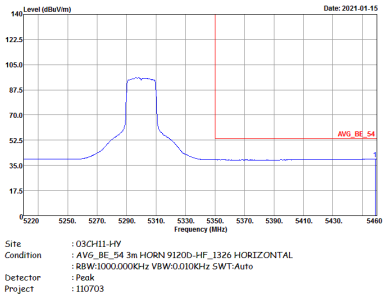
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

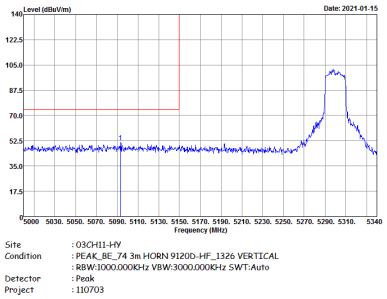
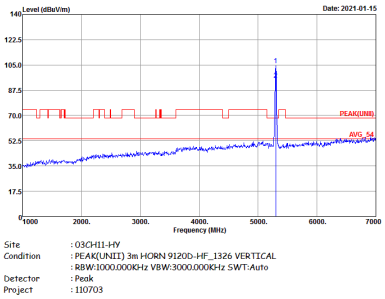
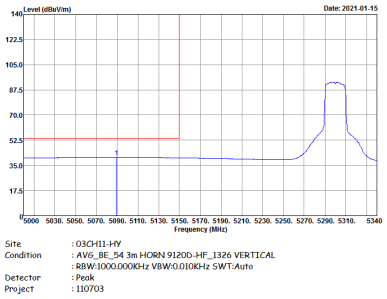
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

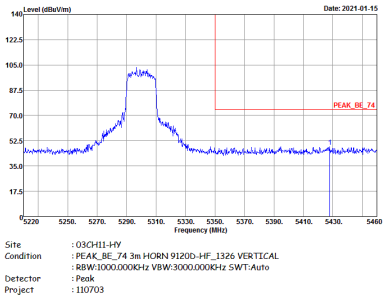
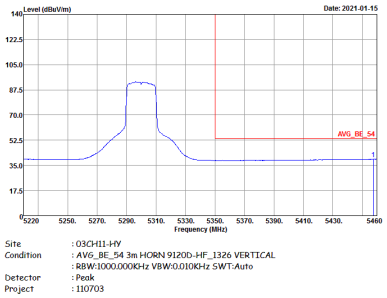
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
11+8	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

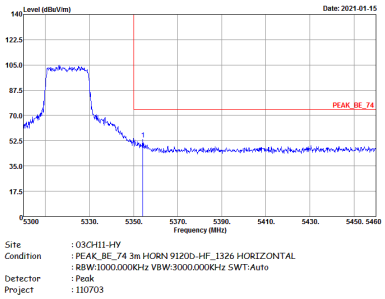
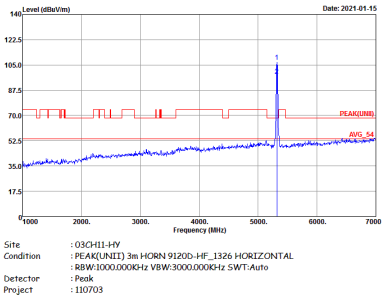
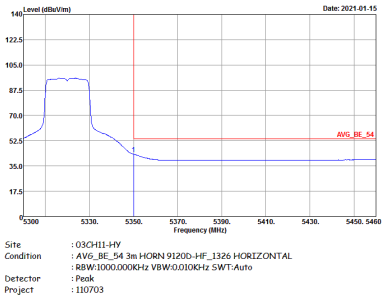
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

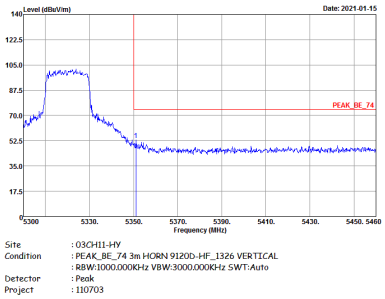
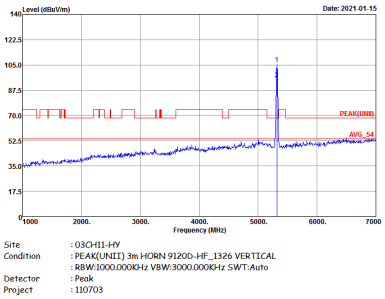
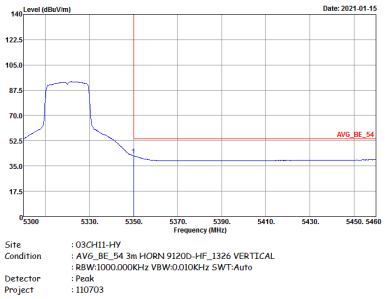
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
11+8	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+8	Vertical	Fundamental
Peak		
Avg.		Left blank

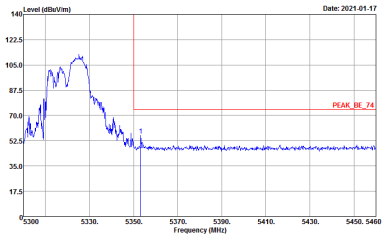
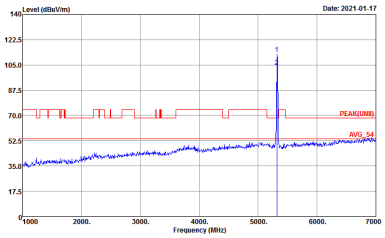
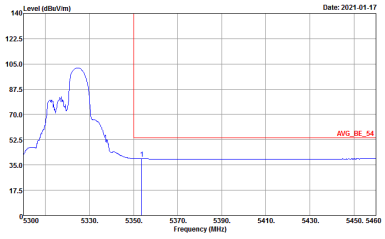
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

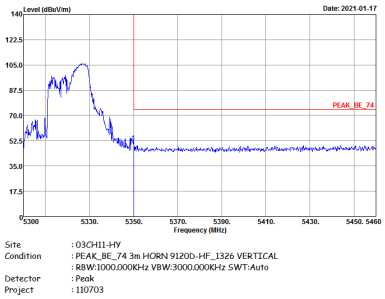
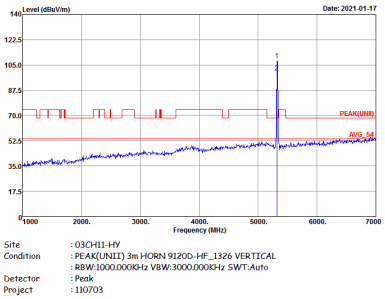
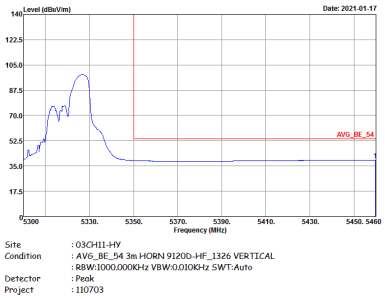
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

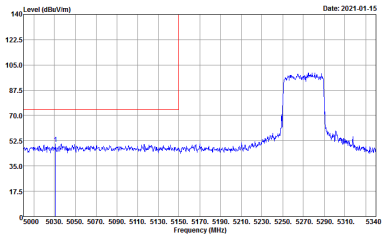
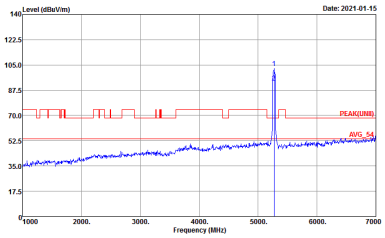
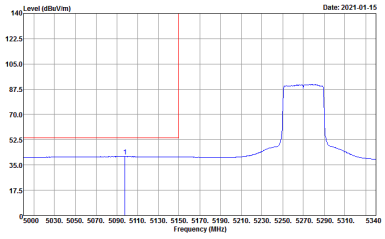
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

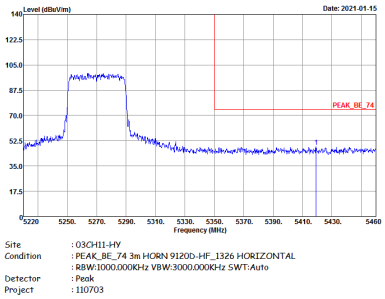
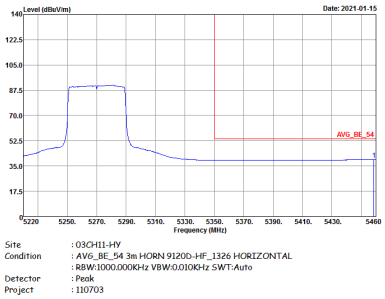
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

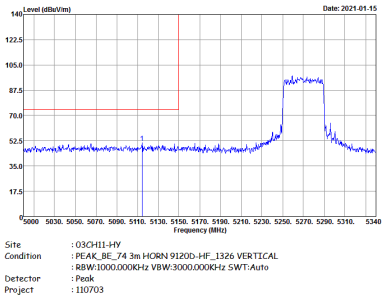
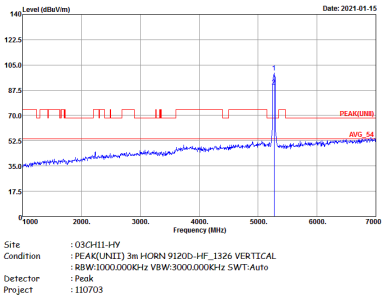
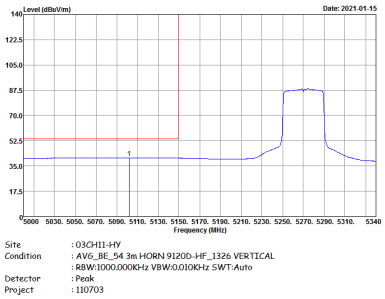
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

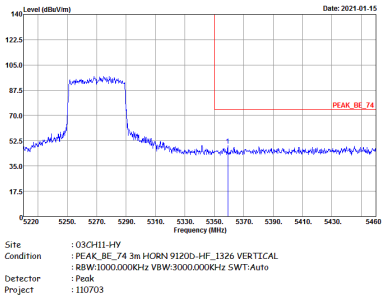
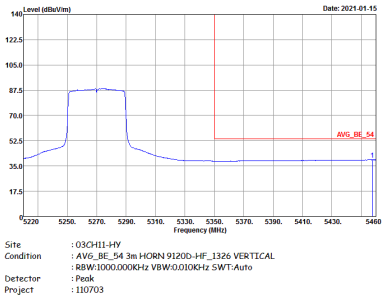
Band 2 5250~5350MHz

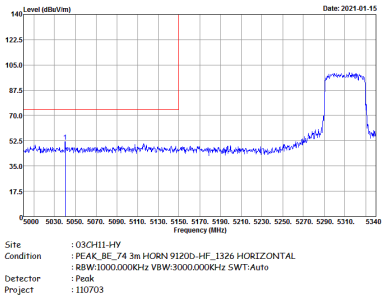
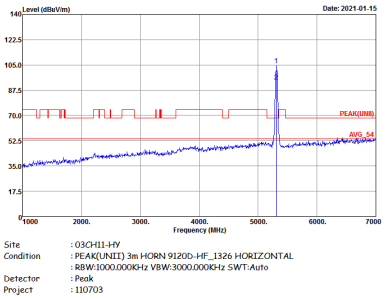
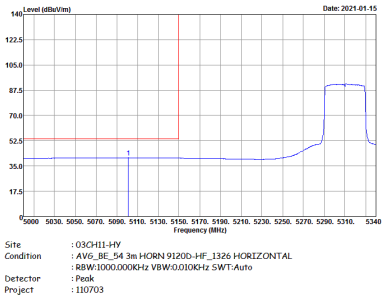
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

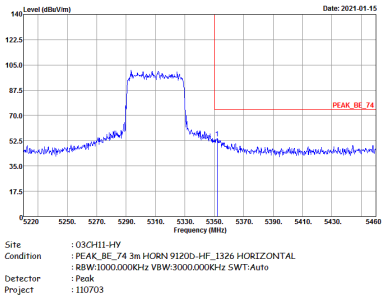
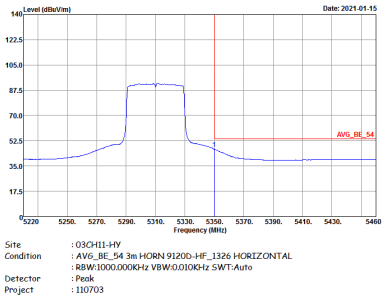
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
11+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

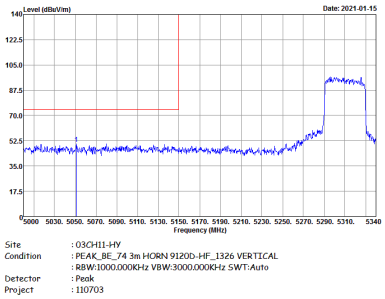
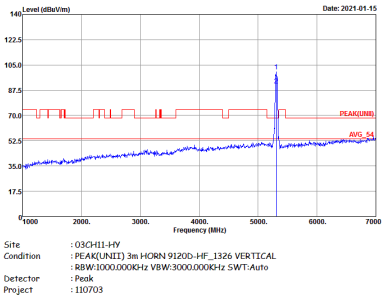
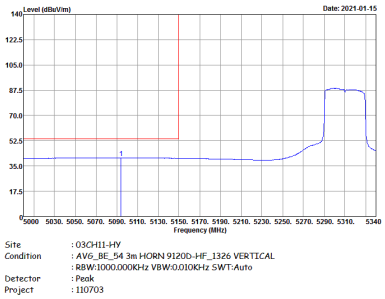
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

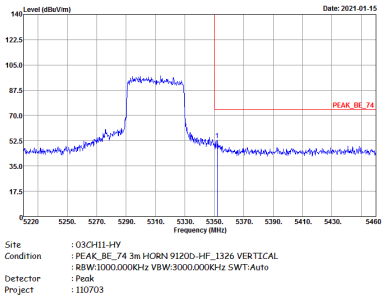
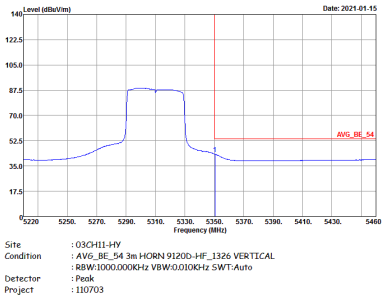
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

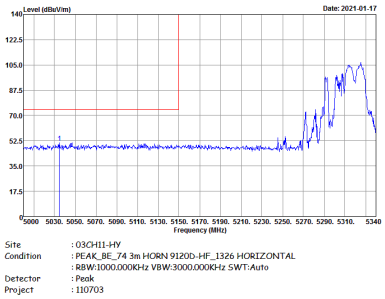
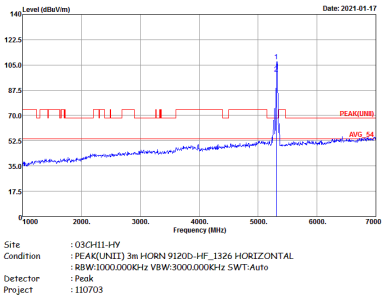
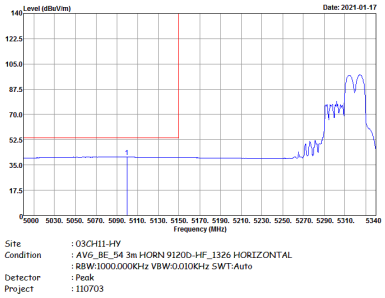
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

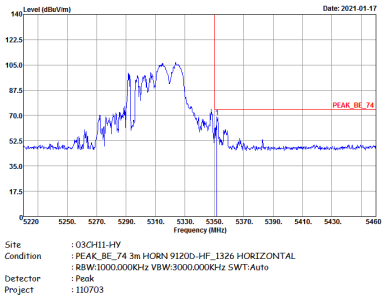
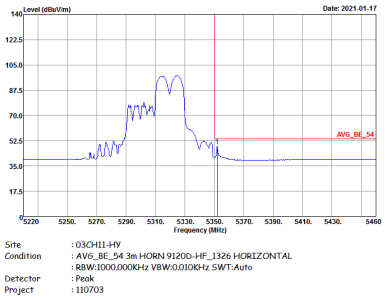
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

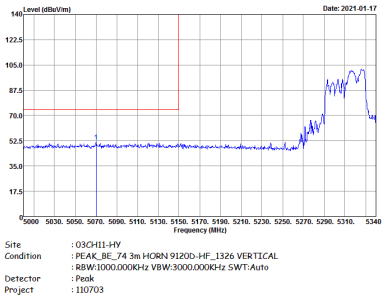
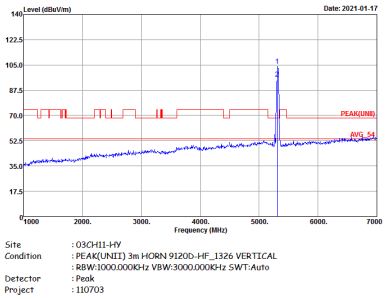
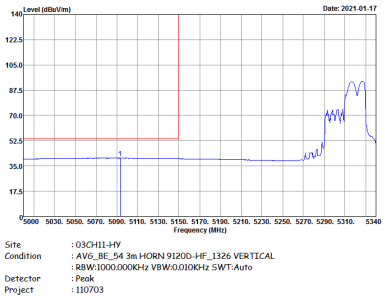
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

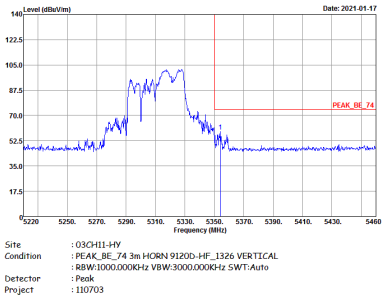
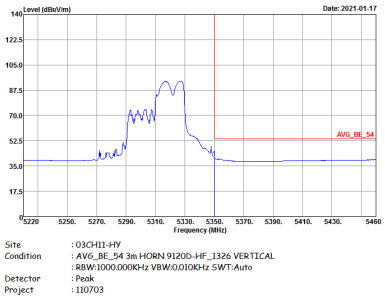
Band 2 5250~5350MHz

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 - L	
11+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

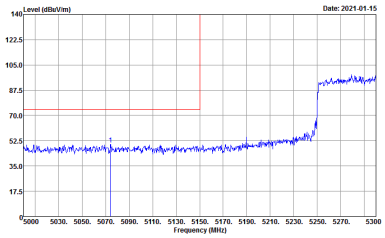
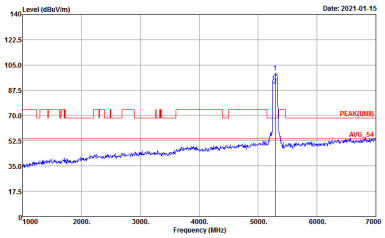
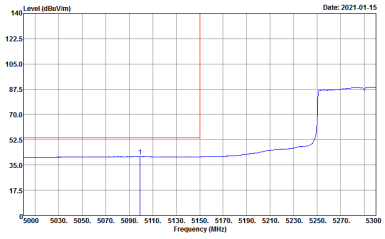
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

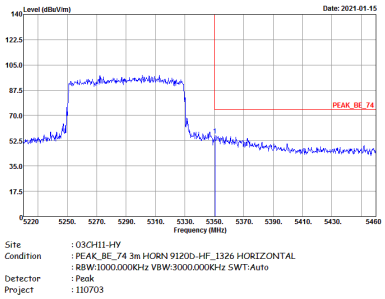
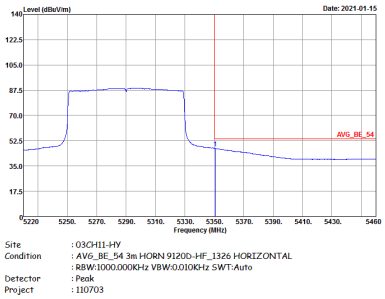
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

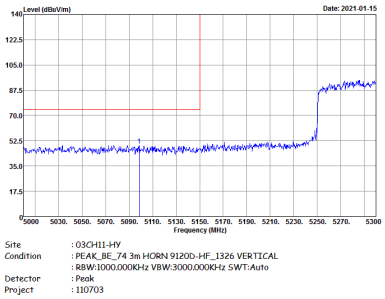
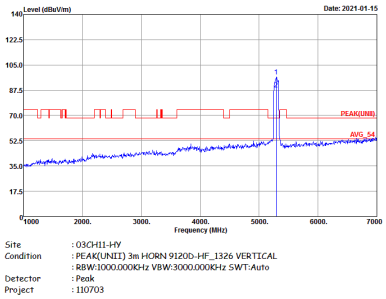
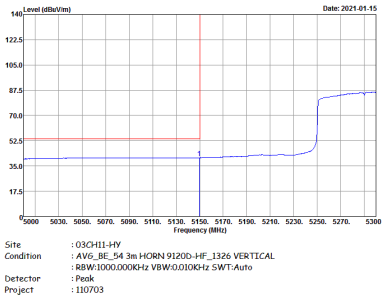
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
11+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

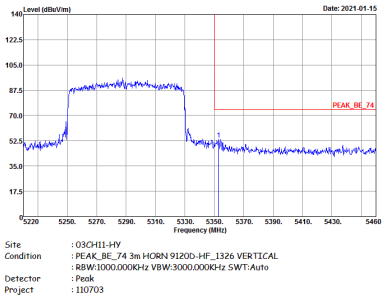
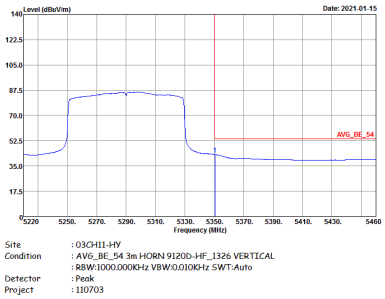
Band 2 5250~5350MHz

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+8	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110703
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 110703	Left blank

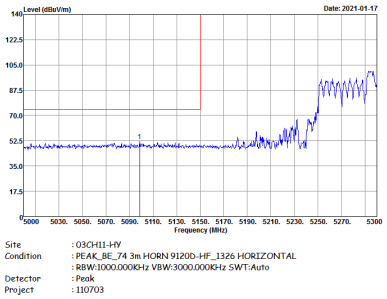
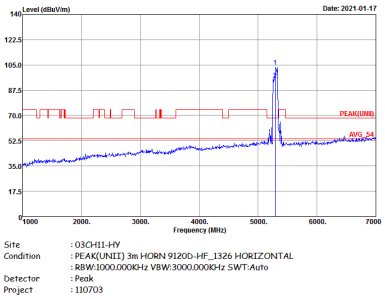
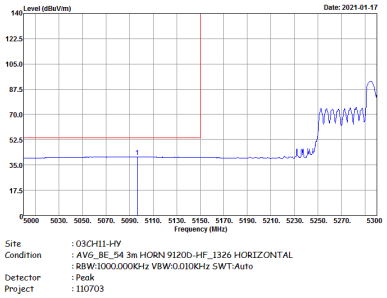
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
11+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
11+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
11+8	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+8	Horizontal	Fundamental
Peak		
Avg.		Left blank