



FCC RADIO TEST REPORT

FCC ID : A4RGG3HH
Equipment : Wireless Device
Model Name : GG3HH
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 29, 2024 and testing was performed from Feb. 08, 2024 to Mar. 15, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR412915E	01	Initial issue of report	Apr. 20, 2024
FR412915E	02	Revise Appendix C. This report is an updated version, replacing the report issued on Apr. 20, 2024	Apr. 29, 2024



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	1.75 dB under the limit at 5726.45 MHz
3.5	15.207	AC Conducted Emission	Pass	17.50 dB under the limit at 0.15 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang
Report Producer: Mila Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
<p>General Specs Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, UWB, and GPS.</p> <p>Antenna Type WLAN: PIFA Antenna</p>

EUT Information List	
S/N	Performed Test Item
1JE650106990505412022D5	RF Conducted Measurement
41151JEAVW000G	Radiated Spurious Emission
41311JEAVW005E	Conducted Emission

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-1.9
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	-1.9
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	-1.9

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786



1.4 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane with Adapter as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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

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



Frequency Band	Channel	Freq. (MHz)	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 with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.



2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

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

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The final test modes include the worst data rates for each modulation shown in the table below.

Single Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + 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
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	-	-	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	38	52	100
M	Middle	-	-	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	-



Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122

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

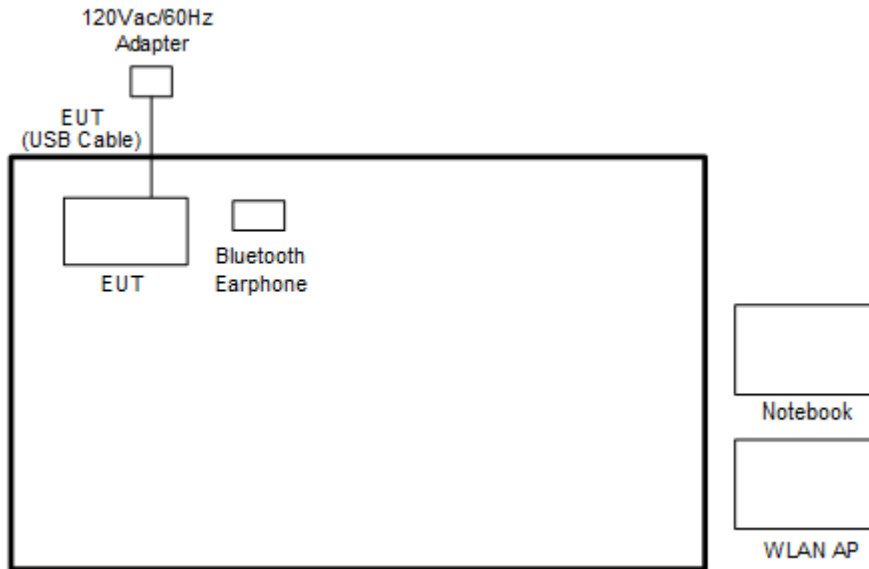
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

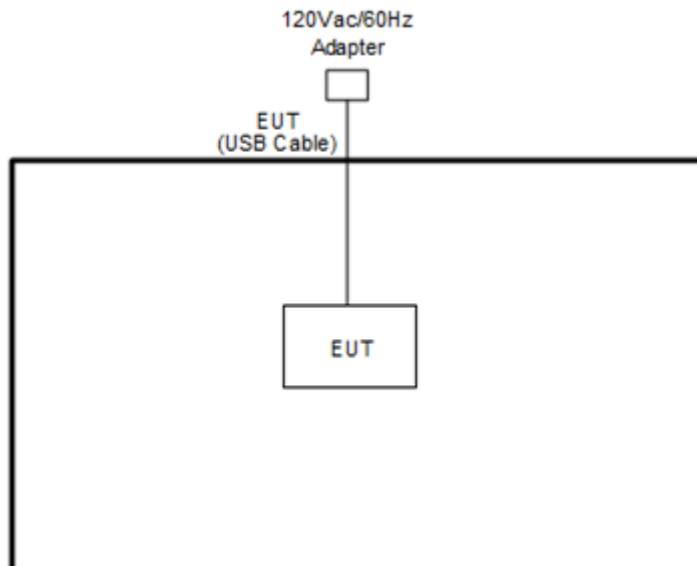
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	AC Adapter	Chicony	G9BR1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “CMD” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 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.

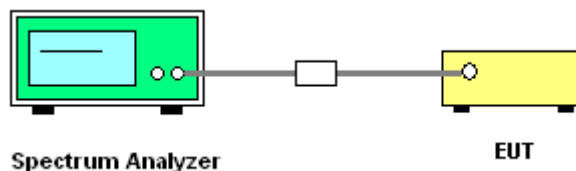
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
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) $\geq 3 * RBW$.
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.



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

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

3.2.3 Test Procedures

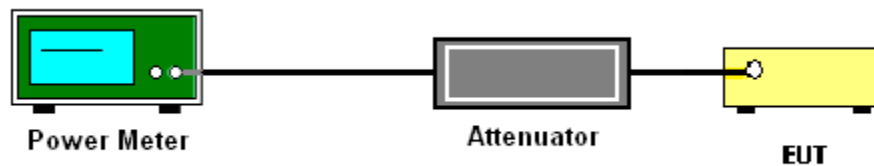
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

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

3.3.3 Test Procedures

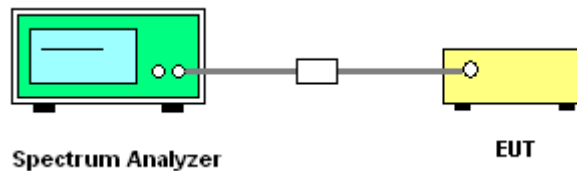
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-2

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

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

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

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

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

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

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

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



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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

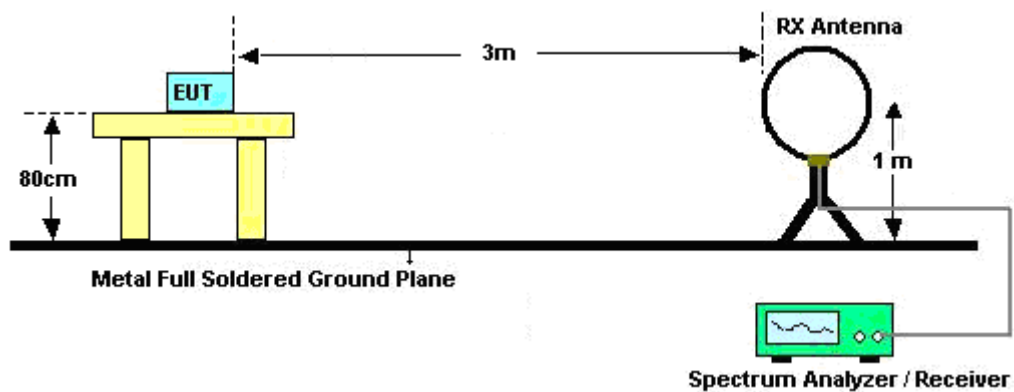
(2) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

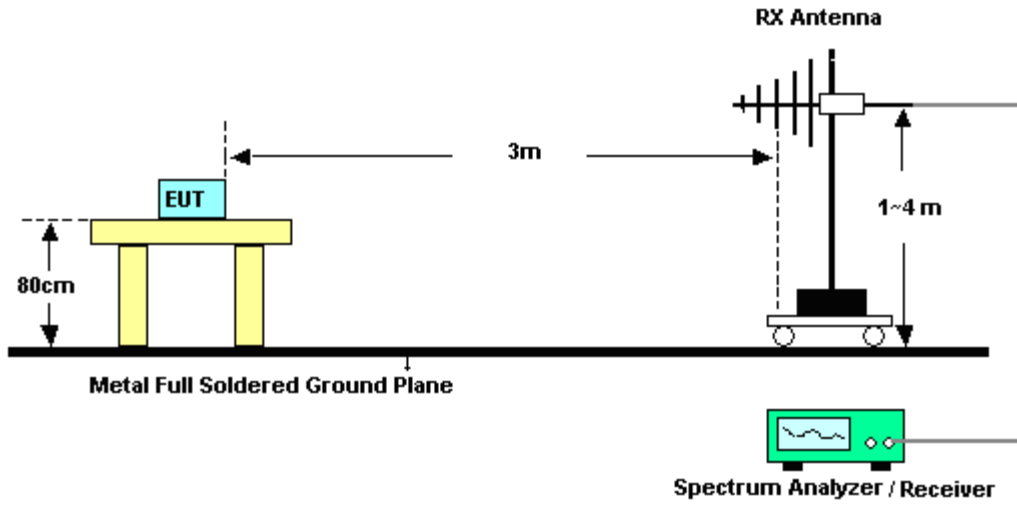
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

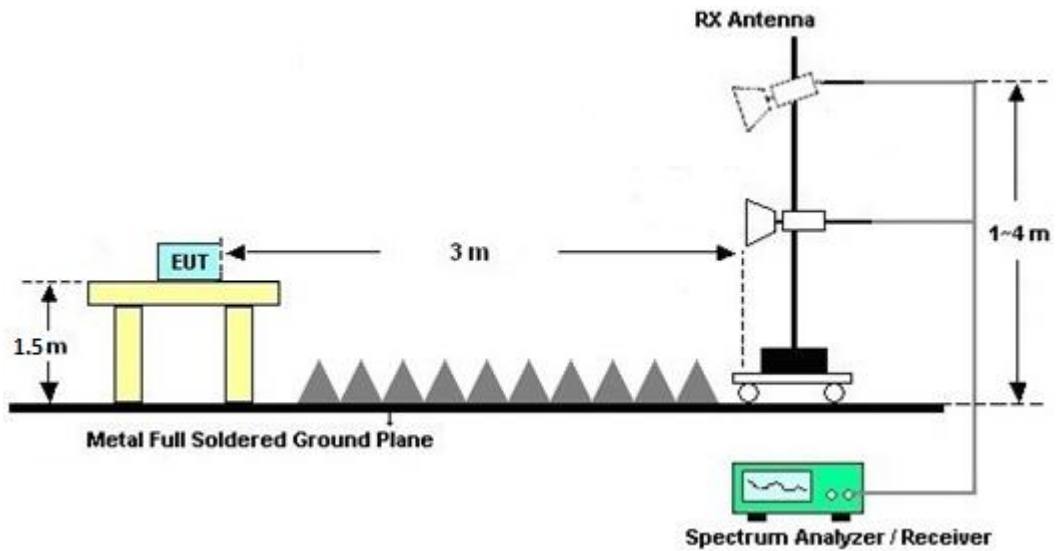
For radiated emissions below 30MHz



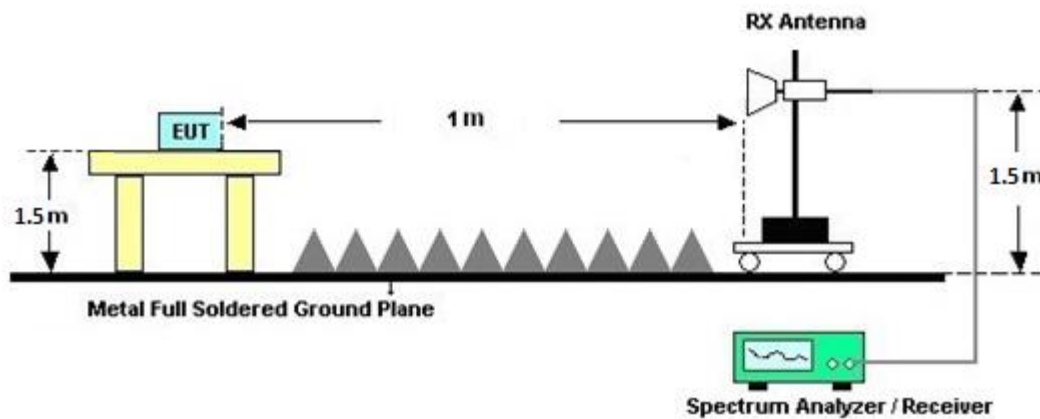
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Mar. 15, 2024	Oct. 19, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 15, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 15, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 15, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Feb. 08, 2024~ Feb. 28, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	Feb. 08, 2024~ Feb. 28, 2024	Feb. 03, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 30, 2023	Feb. 08, 2024~ Feb. 28, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZECK	BBHA 9170	1225	18GHz~40GHz	Jul. 10, 2023	Feb. 08, 2024~ Feb. 28, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2023	Feb. 08, 2024~ Feb. 28, 2024	Dec. 25, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 16, 2023	Feb. 08, 2024~ Feb. 14, 2024	Feb. 15, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 15, 2024	Feb. 15, 2024~ Feb. 28, 2024	Feb. 14, 2025	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Feb. 08, 2024~ Feb. 28, 2024	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Feb. 08, 2024~ Feb. 28, 2024	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	Feb. 08, 2024~ Feb. 28, 2024	Oct. 05, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Feb. 08, 2024~ Feb. 28, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 08, 2024~ Feb. 28, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 08, 2024~ Feb. 28, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Feb. 08, 2024~ Feb. 28, 2024	N/A	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4,519228/2,803950/2	N/A	Jun. 13, 2023	Feb. 08, 2024~Feb. 28, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40G	Jan. 02, 2024	Feb. 08, 2024~Feb. 28, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Feb. 08, 2024~Feb. 28, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Jun. 14, 2023	Feb. 08, 2024~Feb. 28, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Hygrometer	TECEPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Feb. 08, 2024~Feb. 28, 2024	Jul. 25, 2024	Radiation (03CH15-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Feb. 15, 2024~Mar. 07, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SN036 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Feb. 15, 2024~Mar. 07, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Feb. 15, 2024~Mar. 07, 2024	Sep. 11, 2024	Conducted (TH05-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.44 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu and Willy Chang	Temperature:	21~25	°C
Test Date:	2024/2/15~2024/4/2	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	18.38	-	33.22	-	-	-	22.64	-	
11a	6Mbps	1	44	5220	18.03	-	34.33	-	-	-	22.56	-	
11a	6Mbps	1	48	5240	18.08	-	33.34	-	-	-	22.57	-	
HT20	MCS0	1	36	5180	18.68	-	35.80	-	-	-	22.71	-	
HT20	MCS0	1	44	5220	19.18	-	40.33	-	-	-	22.83	-	
HT20	MCS0	1	48	5240	19.13	-	39.56	-	-	-	22.82	-	
HT40	MCS0	1	38	5190	37.96	-	80.99	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	37.86	-	79.63	-	-	-	23.01	-	
VHT20	MCS0	1	36	5180	18.88	-	42.52	-	-	-	22.76	-	
VHT20	MCS0	1	44	5220	19.73	-	37.52	-	-	-	22.95	-	
VHT20	MCS0	1	48	5240	19.33	-	37.56	-	-	-	22.86	-	
VHT40	MCS0	1	38	5190	37.06	-	56.06	-	-	-	23.01	-	
VHT40	MCS0	1	46	5230	37.36	-	78.43	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	76.12	-	103.71	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit		DG (dBi)	Pass/Fail
					Ant 1	SUM	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	17.10		24.00	-1.90		Pass
11a	6Mbps	1	44	5220	17.20		24.00	-1.90		Pass
11a	6Mbps	1	48	5240	17.20		24.00	-1.90		Pass
HT20	MCS0	1	36	5180	16.60		24.00	-1.90		Pass
HT20	MCS0	1	44	5220	17.20		24.00	-1.90		Pass
HT20	MCS0	1	48	5240	17.10		24.00	-1.90		Pass
HT40	MCS0	1	38	5190	14.60		24.00	-1.90		Pass
HT40	MCS0	1	46	5230	16.30	-	24.00	-1.90	-	Pass
VHT20	MCS0	1	36	5180	17.20		24.00	-1.90		Pass
VHT20	MCS0	1	44	5220	17.20		24.00	-1.90		Pass
VHT20	MCS0	1	48	5240	17.10		24.00	-1.90		Pass
VHT40	MCS0	1	38	5190	14.80		24.00	-1.90		Pass
VHT40	MCS0	1	46	5230	16.30		24.00	-1.90		Pass
VHT80	MCS0	1	42	5210	15.20		24.00	-1.90		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna														
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.43	-	5.21	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	44	5220	0.43	-	5.23	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	48	5240	0.43	-	5.30	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	36	5180	0.46	-	4.24	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	44	5220	0.46	-	4.89	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	48	5240	0.46	-	4.96	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	38	5190	0.49	-	0.00	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	46	5230	0.49	-	1.10	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	36	5180	0.47	-	5.00	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	44	5220	0.47	-	4.92	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	48	5240	0.47	-	4.89	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	38	5190	0.48	-	-0.30	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	46	5230	0.48	-	1.30	-	-	11.00	-	-1.90	-	Pass
VHT80	MCS0	1	42	5210	0.42	-	-2.80	-	-	11.00	-	-1.90	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	18.48	-	35.63	-	23.67	-	29.67	-	23.98	-	
11a	6Mbps	1	60	5300	18.28	-	35.75	-	23.62	-	29.62	-	23.98	-	
11a	6Mbps	1	64	5320	18.38	-	35.59	-	23.64	-	29.64	-	23.98	-	
HT20	MCS0	1	52	5260	19.13	-	40.53	-	23.82	-	29.82	-	23.98	-	
HT20	MCS0	1	60	5300	18.98	-	34.72	-	23.78	-	29.78	-	23.98	-	
HT20	MCS0	1	64	5320	19.03	-	37.70	-	23.79	-	29.79	-	23.98	-	
HT40	MCS0	1	54	5270	37.96	-	83.34	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.76	-	79.52	-	23.98	-	30.00	-	23.98	-	
VHT20	MCS0	1	52	5260	18.88	-	38.42	-	23.76	-	29.76	-	23.98	-	
VHT20	MCS0	1	60	5300	18.88	-	35.77	-	23.76	-	29.76	-	23.98	-	
VHT20	MCS0	1	64	5320	18.98	-	34.29	-	23.78	-	29.78	-	23.98	-	
VHT40	MCS0	1	54	5270	37.46	-	80.03	-	23.98	-	30.00	-	23.98	-	
VHT40	MCS0	1	62	5310	37.36	-	77.14	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.88	-	98.53	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit		DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	SUM	Ant 1	Ant 1			
11a	6Mbps	1	52	5260	17.40		23.98	-1.90	30	Pass	
11a	6Mbps	1	60	5300	17.40		23.98	-1.90	30	Pass	
11a	6Mbps	1	64	5320	17.30		23.98	-1.90	30	Pass	
HT20	MCS0	1	52	5260	17.00		23.98	-1.90	30	Pass	
HT20	MCS0	1	60	5300	17.00		23.98	-1.90	30	Pass	
HT20	MCS0	1	64	5320	17.00		23.98	-1.90	30	Pass	
HT40	MCS0	1	54	5270	16.10		23.98	-1.90	30	Pass	
HT40	MCS0	1	62	5310	16.10		23.98	-1.90	30	Pass	
VHT20	MCS0	1	52	5260	17.00		23.98	-1.90	30	Pass	
VHT20	MCS0	1	60	5300	17.00		23.98	-1.90	30	Pass	
VHT20	MCS0	1	64	5320	17.00		23.98	-1.90	30	Pass	
VHT40	MCS0	1	54	5270	16.10		23.98	-1.90	30	Pass	
VHT40	MCS0	1	62	5310	16.10		23.98	-1.90	30	Pass	
VHT80	MCS0	1	58	5290	15.20		23.98	-1.90	30	Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna														
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.43	-	5.54	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	60	5300	0.43	-	5.68	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	64	5320	0.43	-	5.64	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	52	5260	0.46	-	4.73	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	60	5300	0.46	-	4.86	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	64	5320	0.46	-	4.65	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	54	5270	0.49	-	0.94	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	62	5310	0.49	-	0.97	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	52	5260	0.47	-	5.06	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	60	5300	0.47	-	4.83	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	64	5320	0.47	-	4.77	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	54	5270	0.48	-	0.98	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	62	5310	0.48	-	1.37	-	-	11.00	-	-1.90	-	Pass
VHT80	MCS0	1	58	5290	0.42	-	-2.57	-	-	11.00	-	-1.90	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
Mod.	Data Rate	N _{rx}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.78	-	29.26	-	23.50	-	29.50	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.98	-	30.97	-	23.55	-	29.55	-	23.98	-	----	----
11a	6Mbps	1	140	5700	18.38	-	32.64	-	23.64	-	29.64	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.68	-	31.05	-	23.71	-	29.71	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.78	-	35.46	-	23.74	-	29.74	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.68	-	39.06	-	23.71	-	29.71	-	23.98	-	----	----
HT40	MCS0	1	102	5510	37.56	-	75.33	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	37.26	-	77.89	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	37.56	-	80.58	-	23.98	-	30.00	-	23.98	-	----	----
VHT20	MCS0	1	100	5500	18.73	-	34.51	-	23.73	-	29.73	-	23.98	-	----	----
VHT20	MCS0	1	116	5580	18.68	-	37.05	-	23.71	-	29.71	-	23.98	-	----	----
VHT20	MCS0	1	140	5700	18.58	-	33.59	-	23.69	-	29.69	-	23.98	-	----	----
VHT40	MCS0	1	102	5510	37.16	-	72.75	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	110	5550	37.06	-	74.16	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	134	5670	37.46	-	72.99	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.76	-	120.26	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.88	-	103.07	-	23.98	-	30.00	-	23.98	-	----	----

U-NII-2C straddle channel single antenna																
Mod.	Data Rate	N _{rx}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.74	-	17.26	-	22.38	-	28.38	-	23.37	-	3.17	-
HT20	MCS0	1	144	5720	14.24	-	23.09	-	22.54	-	28.54	-	23.98	-	3.795	-
HT40	MCS0	1	142	5710	33.68	-	51.37	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT20	MCS0	1	144	5720	14.29	-	23.57	-	22.55	-	28.55	-	23.98	-	3.79	-
VHT40	MCS0	1	142	5710	33.58	-	49.43	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT80	MCS0	1	138	5690	72.88	-	84.54	-	23.98	-	30.00	-	23.98	-	3.16	-
6dB Bandwidth Limit \geq 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit		DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	SUM	Ant 1	Ant 1			
11a	6Mbps	1	100	5500	17.30	-	23.98	-1.90	30	Pass	
11a	6Mbps	1	116	5580	17.40	-	23.98	-1.90	30	Pass	
11a	6Mbps	1	140	5700	17.40	-	23.98	-1.90	30	Pass	
HT20	MCS0	1	100	5500	17.00	-	23.98	-1.90	30	Pass	
HT20	MCS0	1	116	5580	17.10	-	23.98	-1.90	30	Pass	
HT20	MCS0	1	140	5700	17.10	-	23.98	-1.90	30	Pass	
HT40	MCS0	1	102	5510	16.40	-	23.98	-1.90	30	Pass	
HT40	MCS0	1	110	5550	16.00	-	23.98	-1.90	30	Pass	
HT40	MCS0	1	134	5670	16.40	-	23.98	-1.90	30	Pass	
VHT20	MCS0	1	100	5500	17.00	-	23.98	-1.90	30	Pass	
VHT20	MCS0	1	116	5580	17.10	-	23.98	-1.90	30	Pass	
VHT20	MCS0	1	140	5700	17.10	-	23.98	-1.90	30	Pass	
VHT40	MCS0	1	102	5510	16.40	-	23.98	-1.90	30	Pass	
VHT40	MCS0	1	110	5550	16.00	-	23.98	-1.90	30	Pass	
VHT40	MCS0	1	134	5670	16.40	-	23.98	-1.90	30	Pass	
VHT80	MCS0	1	106	5530	15.40	-	23.98	-1.90	30	Pass	
VHT80	MCS0	1	122	5610	15.40	-	23.98	-1.90	30	Pass	

FCC U-NII-2C straddle channel single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit		DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	SUM	Ant 1	Ant 1			
11a	6Mbps	1	144	5720	17.10	-	23.37	-1.90	30	Pass	
HT20	MCS0	1	144	5720	17.30	-	23.98	-1.90	30	Pass	
HT40	MCS0	1	142	5710	16.40	-	23.98	-1.90	30	Pass	
VHT20	MCS0	1	144	5720	17.30	-	23.98	-1.90	30	Pass	
VHT40	MCS0	1	142	5710	16.40	-	23.98	-1.90	30	Pass	
VHT80	MCS0	1	138	5690	15.40	-	23.98	-1.90	30	Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.43	-	5.05	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	116	5580	0.43	-	5.27	-	-	11.00	-	-1.90	-	Pass
11a	6Mbps	1	140	5700	0.43	-	5.48	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	100	5500	0.46	-	4.67	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	116	5580	0.46	-	4.66	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	140	5700	0.46	-	4.67	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	102	5510	0.49	-	1.24	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	110	5550	0.49	-	0.96	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	134	5670	0.49	-	1.60	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	100	5500	0.47	-	4.69	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	116	5580	0.47	-	4.64	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	140	5700	0.47	-	4.80	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	102	5510	0.48	-	1.31	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	110	5550	0.48	-	0.83	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	134	5670	0.48	-	1.51	-	-	11.00	-	-1.90	-	Pass
VHT80	MCS0	1	106	5530	0.42	-	-2.67	-	-	11.00	-	-1.90	-	Pass
VHT80	MCS0	1	122	5610	0.42	-	-2.84	-	-	11.00	-	-1.90	-	Pass

U-NII-2C straddle channel single antenna														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	0.43	-	5.16	-	-	11.00	-	-1.90	-	Pass
HT20	MCS0	1	144	5720	0.46	-	4.73	-	-	11.00	-	-1.90	-	Pass
HT40	MCS0	1	142	5710	0.49	-	1.49	-	-	11.00	-	-1.90	-	Pass
VHT20	MCS0	1	144	5720	0.47	-	5.04	-	-	11.00	-	-1.90	-	Pass
VHT40	MCS0	1	142	5710	0.48	-	1.49	-	-	11.00	-	-1.90	-	Pass
VHT80	MCS0	1	138	5690	0.42	-	-3.00	-	-	11.00	-	-1.90	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna														
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	36	5180	Full	19.48	-	37.65	-	-	-	22.90	-	
HE20	MCS0	1	44	5220	Full	19.48	-	34.28	-	-	-	22.90	-	
HE20	MCS0	1	48	5240	Full	19.48	-	35.14	-	-	-	22.90	-	
HE40	MCS0	1	38	5190	Full	37.96	-	47.87	-	-	-	23.01	-	
HE40	MCS0	1	46	5230	Full	38.16	-	57.62	-	-	-	23.01	-	
HE80	MCS0	1	42	5210	Full	77.08	-	81.82	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		FCC Conducted Power Limit		DG (dBi)	Pass/Fail
						Ant 1	SUM	Ant 1	Ant 1		
HE20	MCS0	1	36	5180	Full	17.30		24.00	-1.90		Pass
HE20	MCS0	1	36	5180	26/0	6.20		24.00	-1.90		Pass
HE20	MCS0	1	36	5180	52/37	9.80		24.00	-1.90		Pass
HE20	MCS0	1	36	5180	106/53	13.40		24.00	-1.90		Pass
HE20	MCS0	1	44	5220	Full	17.30		24.00	-1.90		Pass
HE20	MCS0	1	44	5220	26/4	7.90		24.00	-1.90		Pass
HE20	MCS0	1	44	5220	52/38	9.50		24.00	-1.90		Pass
HE20	MCS0	1	44	5220	106/53	13.40	-	24.00	-1.90	-	Pass
HE20	MCS0	1	48	5240	Full	17.20		24.00	-1.90		Pass
HE20	MCS0	1	48	5240	26/8	6.60		24.00	-1.90		Pass
HE20	MCS0	1	48	5240	52/40	9.50		24.00	-1.90		Pass
HE20	MCS0	1	48	5240	106/54	13.20		24.00	-1.90		Pass
HE40	MCS0	1	38	5190	Full	15.00		24.00	-1.90		Pass
HE40	MCS0	1	46	5230	Full	16.20		24.00	-1.90		Pass
HE80	MCS0	1	42	5210	Full	15.10		24.00	-1.90		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	36	5180	Full	0.59	-	4.67	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	36	5180	26/0	0.59	-	4.03	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	36	5180	52/37	0.59	-	4.51	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	36	5180	106/53	0.59	-	4.45	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	44	5220	Full	0.59	-	4.71	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	44	5220	26/4	0.59	-	4.58	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	44	5220	52/38	0.59	-	4.33	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	44	5220	106/53	0.59	-	4.23	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	48	5240	Full	0.59	-	4.58	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	48	5240	26/8	0.59	-	4.56	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	48	5240	52/40	0.59	-	4.37	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	48	5240	106/54	0.59	-	4.41	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	38	5190	Full	0.59	-	-0.40	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	46	5230	Full	0.59	-	0.98	-	-	11.00	-	-1.90	-	Pass
HE80	MCS0	1	42	5210	Full	0.52	-	-2.80	-	-	11.00	-	-1.90	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna																
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	52	5260	Full	19.48	-	34.84	-	23.90	-	29.90	-	23.98	-	
HE20	MCS0	1	60	5300	Full	19.38	-	37.32	-	23.87	-	29.87	-	23.98	-	
HE20	MCS0	1	64	5320	Full	19.53	-	45.44	-	23.91	-	29.91	-	23.98	-	
HE40	MCS0	1	54	5270	Full	38.06	-	62.06	-	23.98	-	30.00	-	23.98	-	
HE40	MCS0	1	62	5310	Full	37.96	-	52.61	-	23.98	-	30.00	-	23.98	-	
HE80	MCS0	1	58	5290	Full	77.08	-	81.79	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		FCC Conducted Power Limit		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	SUM	Ant 1	Ant 1		
HE20	MCS0	1	52	5260	Full	17.20		23.98	-1.90	30	Pass
HE20	MCS0	1	52	5260	26/0	6.60		23.98	-1.90	30	Pass
HE20	MCS0	1	52	5260	52/37	9.80		23.98	-1.90	30	Pass
HE20	MCS0	1	52	5260	106/53	13.10		23.98	-1.90	30	Pass
HE20	MCS0	1	60	5300	Full	17.00		23.98	-1.90	30	Pass
HE20	MCS0	1	60	5300	26/4	7.50		23.98	-1.90	30	Pass
HE20	MCS0	1	60	5300	52/38	9.90		23.98	-1.90	30	Pass
HE20	MCS0	1	60	5300	106/53	13.20	-	23.98	-1.90	30	Pass
HE20	MCS0	1	64	5320	Full	17.40		23.98	-1.90	30	Pass
HE20	MCS0	1	64	5320	26/8	6.90		23.98	-1.90	30	Pass
HE20	MCS0	1	64	5320	52/40	10.80		23.98	-1.90	30	Pass
HE20	MCS0	1	64	5320	106/54	13.40		23.98	-1.90	30	Pass
HE40	MCS0	1	54	5270	Full	16.20		23.98	-1.90	30	Pass
HE40	MCS0	1	62	5310	Full	16.00		23.98	-1.90	30	Pass
HE80	MCS0	1	58	5290	Full	15.20		23.98	-1.90	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	52	5260	Full	0.59	-	4.63	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	52	5260	26/0	0.59	-	4.32	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	52	5260	52/37	0.59	-	4.41	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	52	5260	106/53	0.59	-	4.27	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	60	5300	Full	0.59	-	4.69	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	60	5300	26/4	0.59	-	4.20	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	60	5300	52/38	0.59	-	4.40	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	60	5300	106/53	0.59	-	4.40	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	64	5320	Full	0.59	-	5.18	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	64	5320	26/8	0.59	-	4.88	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	64	5320	52/40	0.59	-	4.88	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	64	5320	106/54	0.59	-	5.07	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	54	5270	Full	0.59	-	0.88	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	62	5310	Full	0.59	-	0.87	-	-	11.00	-	-1.90	-	Pass
HE80	MCS0	1	58	5290	Full	0.52	-	-2.53	-	-	11.00	-	-1.90	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																	
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	1	100	5500	Full	19.43	-	35.34	-	23.88	-	29.88	-	23.98	-	----	----
HE20	MCS0	1	116	5580	Full	19.48	-	38.34	-	23.90	-	29.90	-	23.98	-	----	----
HE20	MCS0	1	140	5700	Full	19.28	-	26.76	-	23.85	-	29.85	-	23.98	-	----	----
HE40	MCS0	1	102	5510	Full	38.06	-	56.24	-	23.98	-	30.00	-	23.98	-	----	----
HE40	MCS0	1	110	5550	Full	37.96	-	49.63	-	23.98	-	30.00	-	23.98	-	----	----
HE40	MCS0	1	134	5670	Full	38.06	-	45.15	-	23.98	-	30.00	-	23.98	-	----	----
HE80	MCS0	1	106	5530	Full	77.08	-	82.11	-	23.98	-	30.00	-	23.98	-	----	----
HE80	MCS0	1	122	5610	Full	77.20	-	95.36	-	23.98	-	30.00	-	23.98	-	----	----

U-NII-2C straddle channel single antenna																	
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	1	144	5720	Full	14.69	-	16.94	-	22.67	-	28.67	-	23.29	-	4.475	-
HE40	MCS0	1	142	5710	Full	34.08	-	38.55	-	23.98	-	30.00	-	23.98	-	3.81	-
HE80	MCS0	1	138	5690	Full	73.48	-	75.83	-	23.98	-	30.00	-	23.98	-	3.832	-
6dB Bandwidth Limit \geq 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		FCC Conducted Power Limit		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	SUM	Ant 1	Ant 1		
HE20	MCS0	1	100	5500	Full	17.40		23.98	-1.90	30	Pass
HE20	MCS0	1	100	5500	26/0	7.90		23.98	-1.90	30	Pass
HE20	MCS0	1	100	5500	52/37	10.60		23.98	-1.90	30	Pass
HE20	MCS0	1	100	5500	106/53	13.70		23.98	-1.90	30	Pass
HE20	MCS0	1	116	5580	Full	17.30		23.98	-1.90	30	Pass
HE20	MCS0	1	116	5580	26/4	7.80		23.98	-1.90	30	Pass
HE20	MCS0	1	116	5580	52/38	10.00		23.98	-1.90	30	Pass
HE20	MCS0	1	116	5580	106/53	13.50		23.98	-1.90	30	Pass
HE20	MCS0	1	140	5700	Full	16.30	-	23.98	-1.90	30	Pass
HE20	MCS0	1	140	5700	26/8	5.60		23.98	-1.90	30	Pass
HE20	MCS0	1	140	5700	52/40	8.20		23.98	-1.90	30	Pass
HE20	MCS0	1	140	5700	106/54	12.30		23.98	-1.90	30	Pass
HE40	MCS0	1	102	5510	Full	16.40		23.98	-1.90	30	Pass
HE40	MCS0	1	110	5550	Full	16.00		23.98	-1.90	30	Pass
HE40	MCS0	1	134	5670	Full	16.10		23.98	-1.90	30	Pass
HE80	MCS0	1	106	5530	Full	15.40		23.98	-1.90	30	Pass
HE80	MCS0	1	122	5610	Full	15.40		23.98	-1.90	30	Pass

FCC U-NII-2C straddle channel single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		FCC Conducted Power Limit		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	SUM	Ant 1	Ant 1		
HE20	MCS0	1	144	5720	Full	17.30		23.29	-1.90	30	Pass
HE20	MCS0	1	144	5720	26/8	7.00		23.29	-1.90	30	Pass
HE20	MCS0	1	144	5720	52/40	9.20		23.29	-1.90	30	Pass
HE20	MCS0	1	144	5720	106/54	12.90		23.29	-1.90	30	Pass
HE40	MCS0	1	142	5710	Full	16.00		23.98	-1.90	30	Pass
HE80	MCS0	1	138	5690	Full	15.40		23.98	-1.90	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	100	5500	Full	0.59	-	5.63	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	100	5500	26/0	0.59	-	5.52	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	100	5500	52/37	0.59	-	5.44	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	100	5500	106/53	0.59	-	5.27	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	116	5580	Full	0.59	-	4.75	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	116	5580	26/4	0.59	-	4.56	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	116	5580	52/38	0.59	-	4.39	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	116	5580	106/53	0.59	-	4.55	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	140	5700	Full	0.59	-	3.59	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	140	5700	26/8	0.59	-	3.39	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	140	5700	52/40	0.59	-	2.91	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	140	5700	106/54	0.59	-	3.45	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	102	5510	Full	0.59	-	1.27	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	110	5550	Full	0.59	-	0.57	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	134	5670	Full	0.59	-	0.39	-	-	11.00	-	-1.90	-	Pass
HE80	MCS0	1	106	5530	Full	0.52	-	-2.71	-	-	11.00	-	-1.90	-	Pass
HE80	MCS0	1	122	5610	Full	0.52	-	-2.87	-	-	11.00	-	-1.90	-	Pass

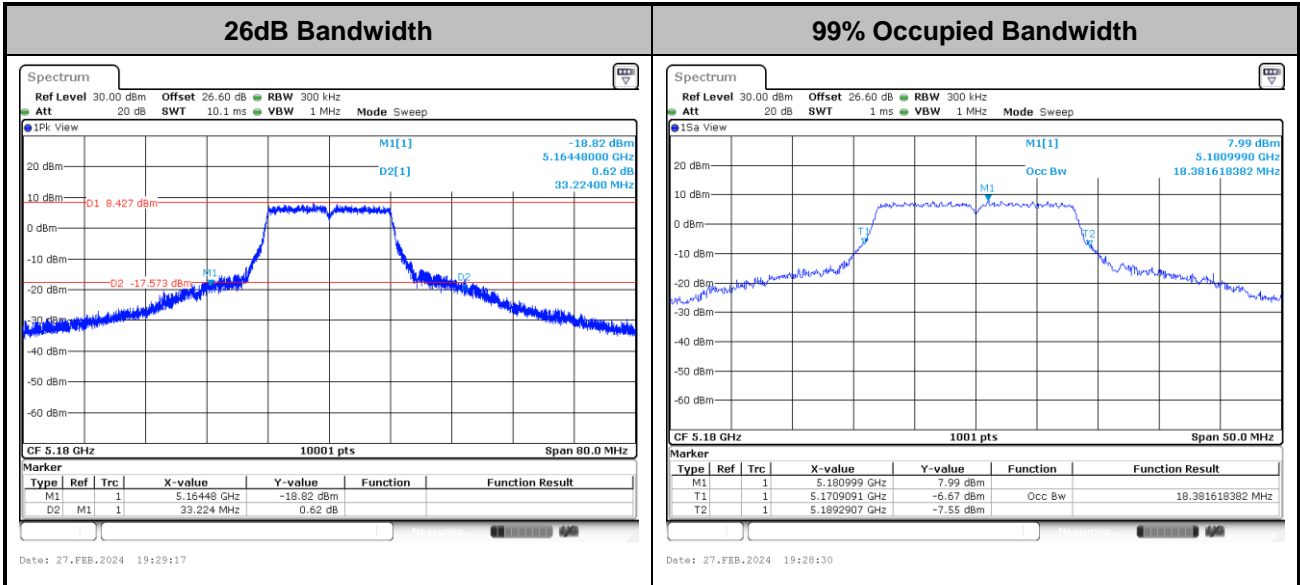
U-NII-2C straddle channel single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	144	5720	Full	0.59	-	3.99	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	144	5720	26/8	0.59	-	3.92	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	144	5720	52/40	0.59	-	3.34	-	-	11.00	-	-1.90	-	Pass
HE20	MCS0	1	144	5720	106/54	0.59	-	3.66	-	-	11.00	-	-1.90	-	Pass
HE40	MCS0	1	142	5710	Full	0.59	-	0.08	-	-	11.00	-	-1.90	-	Pass
HE80	MCS0	1	138	5690	Full	0.52	-	-3.29	-	-	11.00	-	-1.90	-	Pass



Test Result of 26dB & 99% Occupied Bandwidth

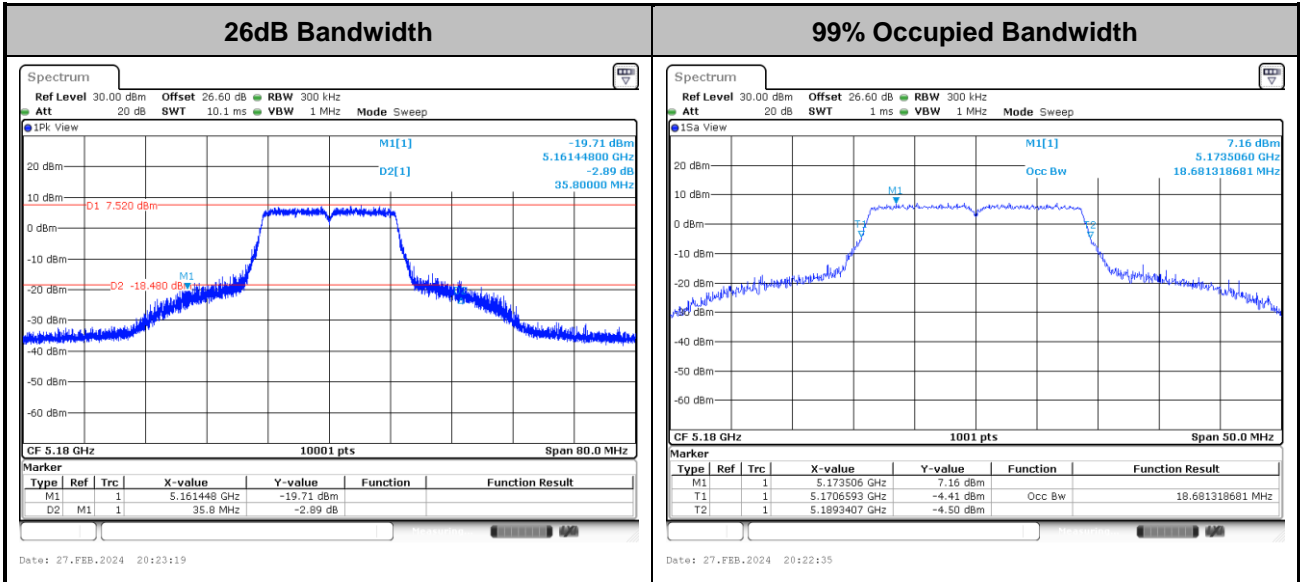
<Ant. 1>

<802.11a>



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

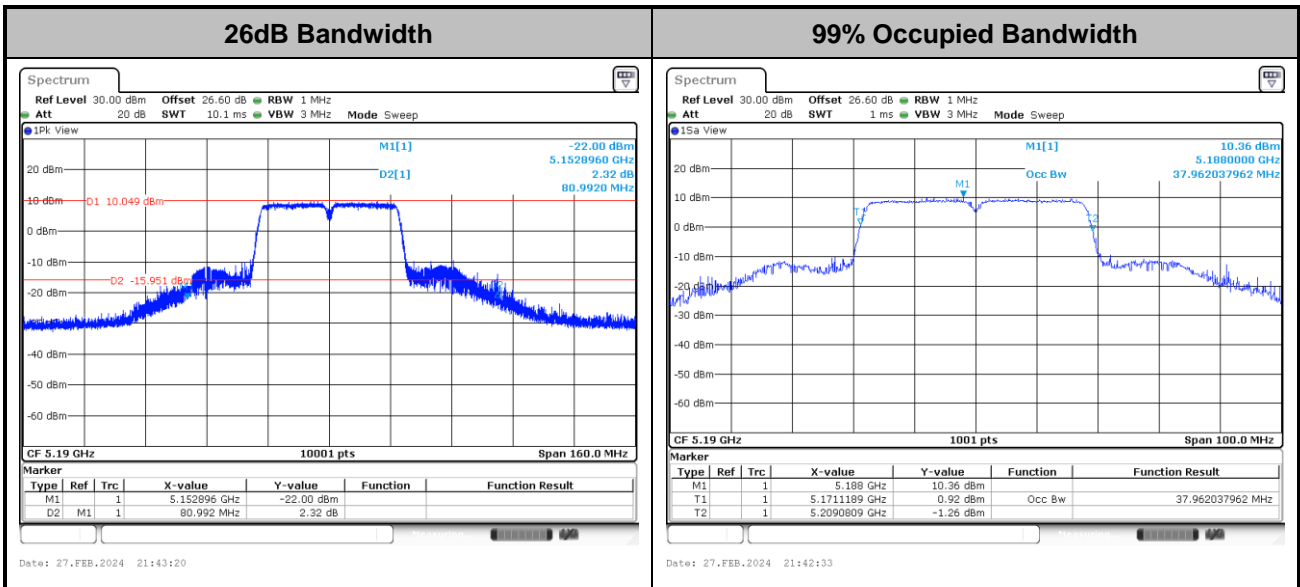
<802.11n HT20>



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

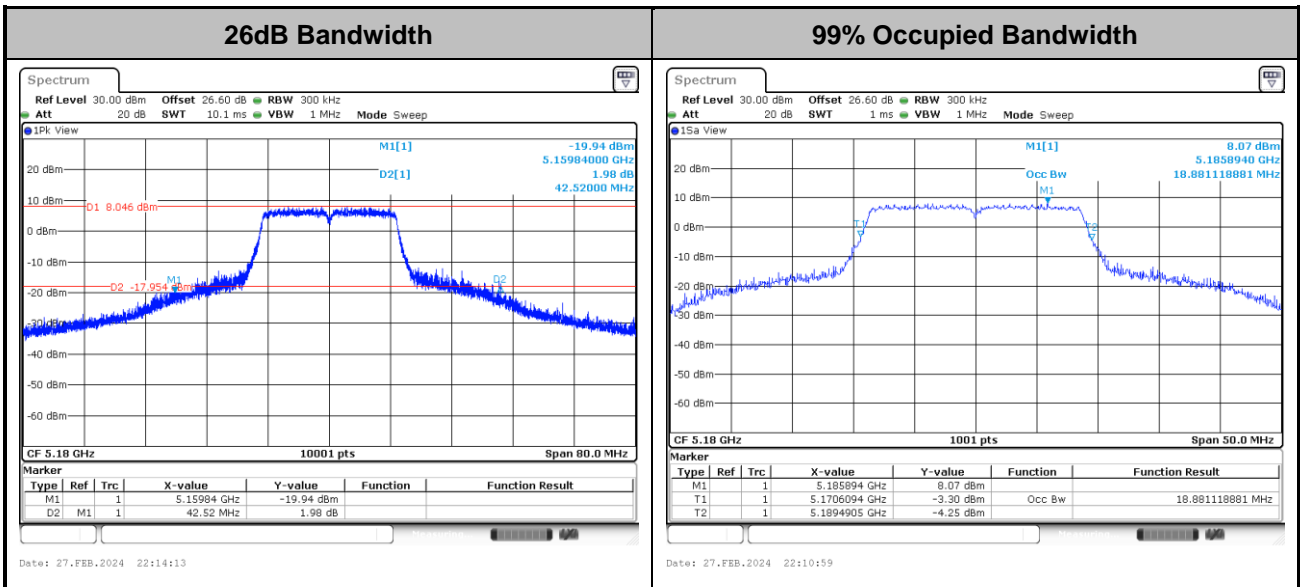


<802.11n HT40>



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

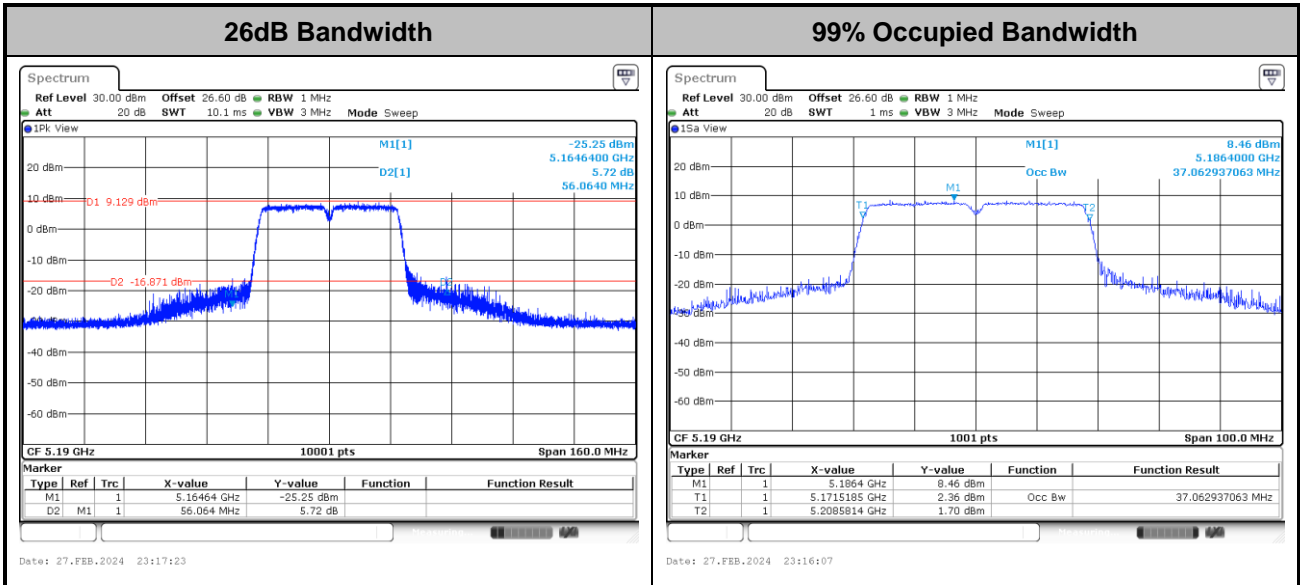
<802.11ac VHT20>



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

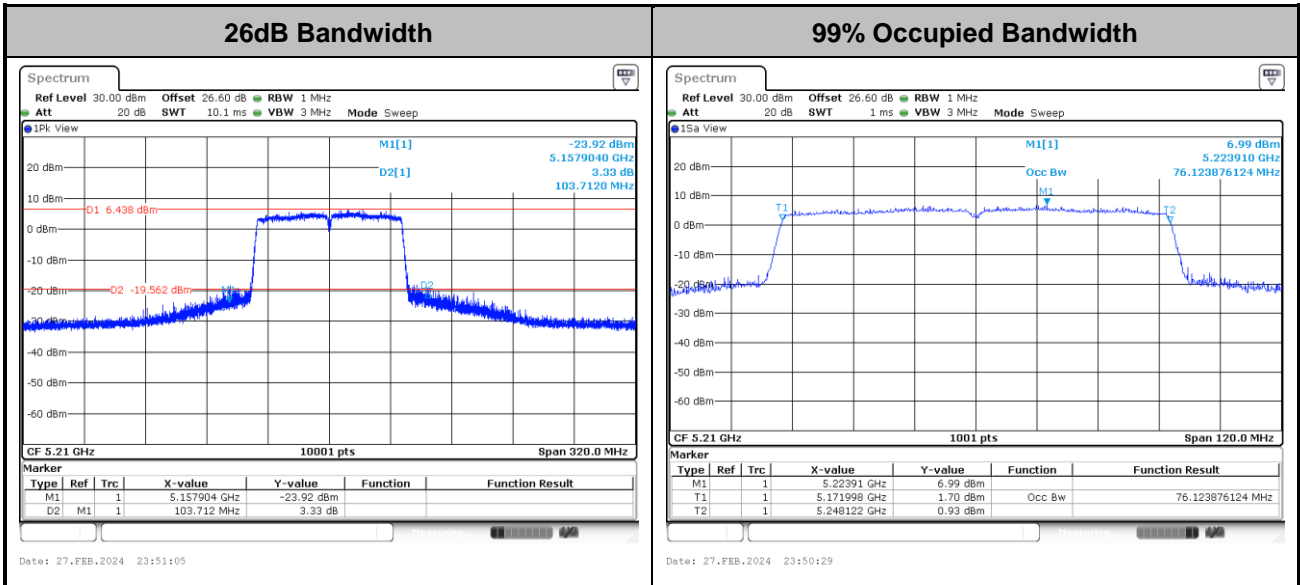


<802.11ac VHT40>



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

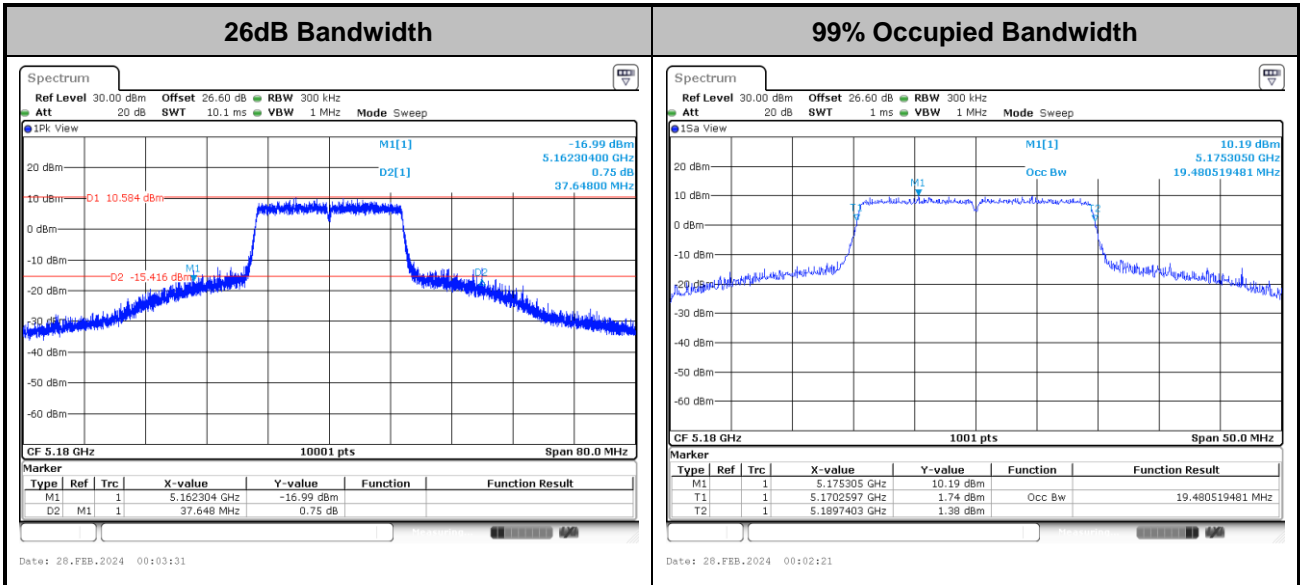
<802.11ac VHT80>



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

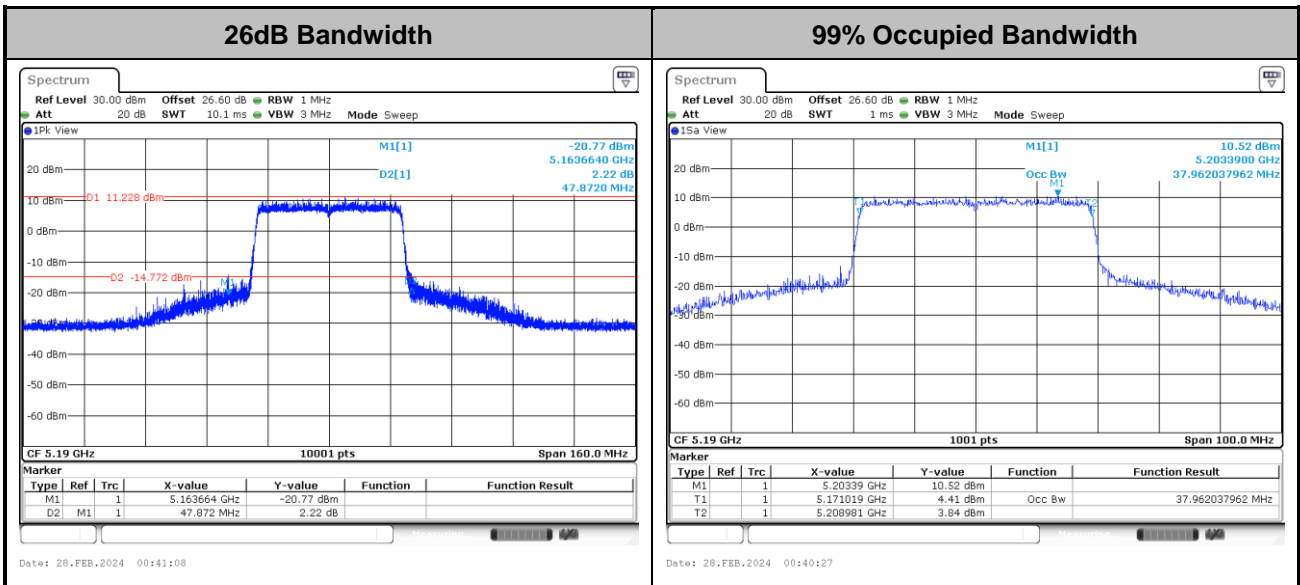


<802.11ax HE20>



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

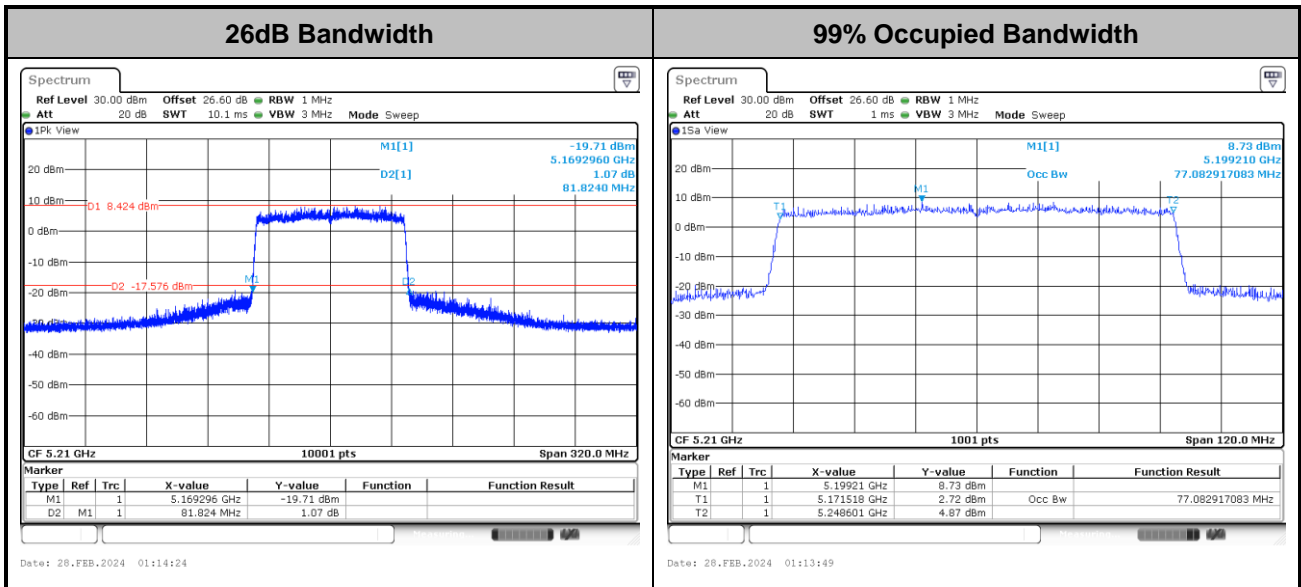
<802.11ax HE40>



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



<802.11ax HE80>

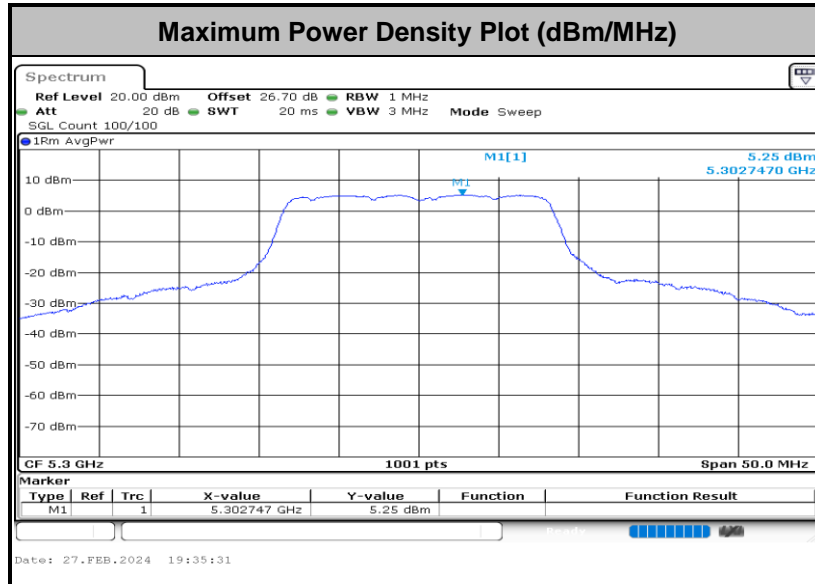


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

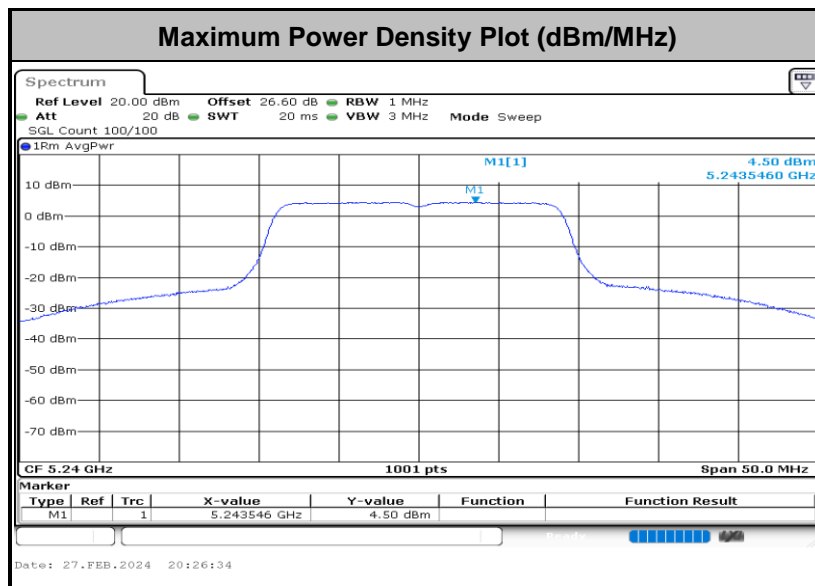


Test Result of Power Spectral Density

<802.11a>

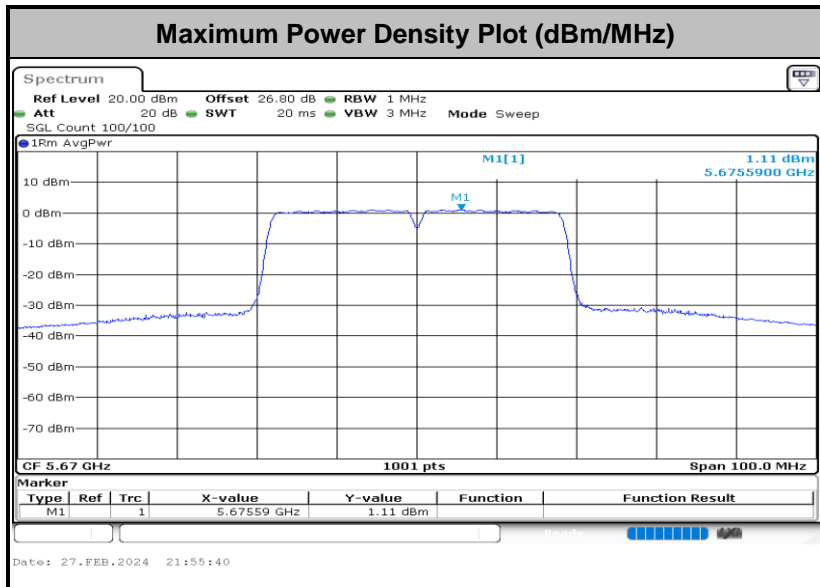


<802.11n HT20>

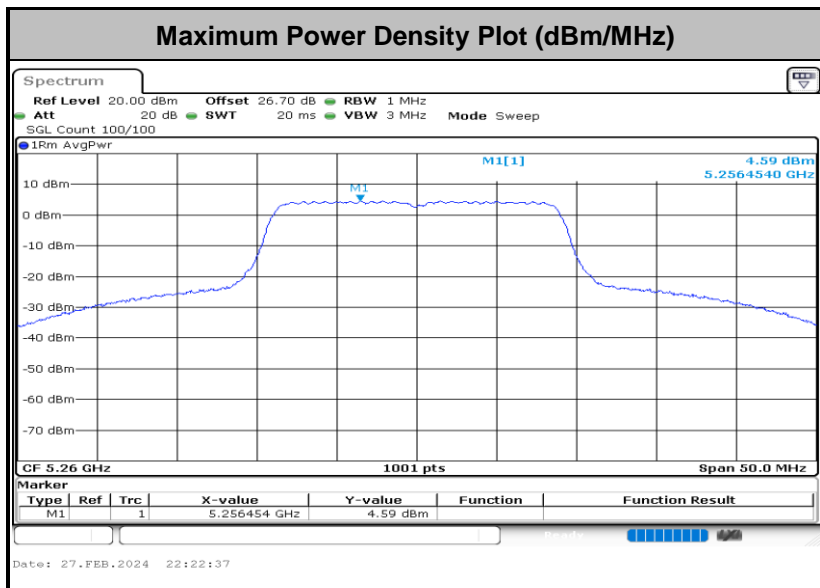




<802.11n HT40>

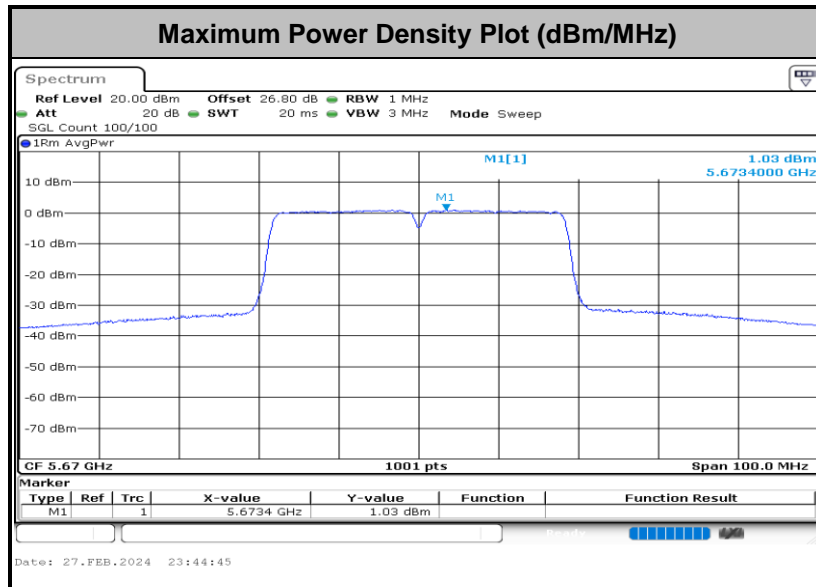


<802.11ac VHT20>

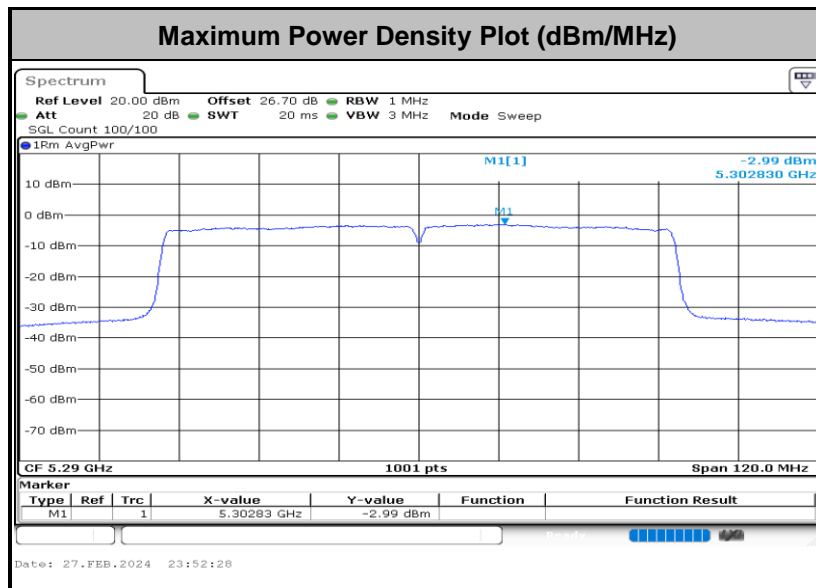




<802.11ac VHT40>

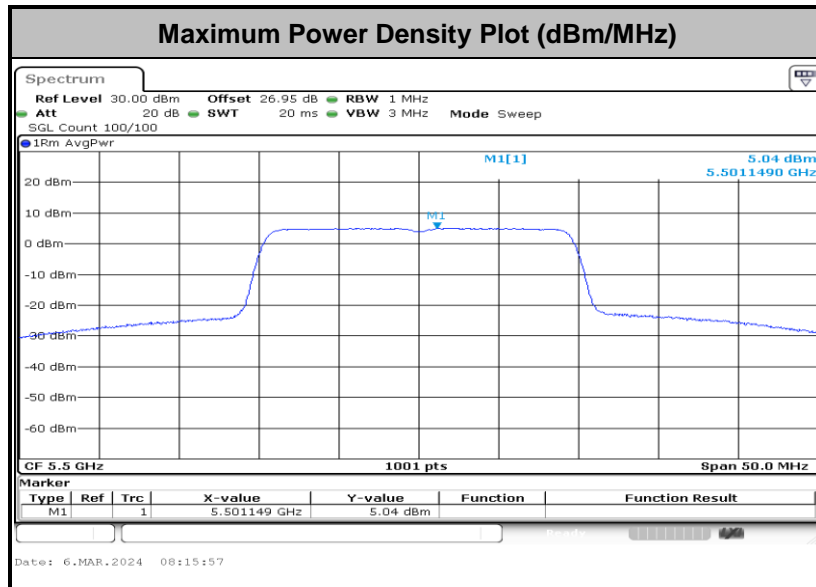


<802.11ac VHT80>

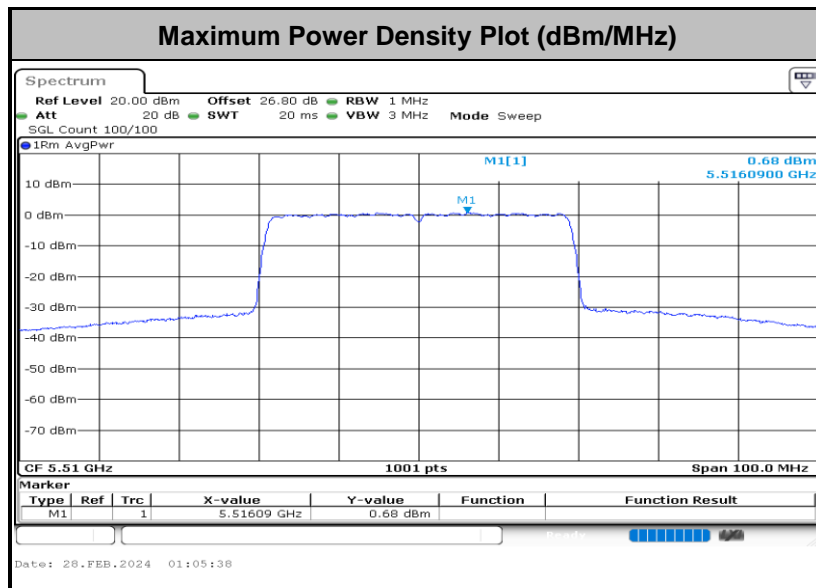




<802.11ax HE20>

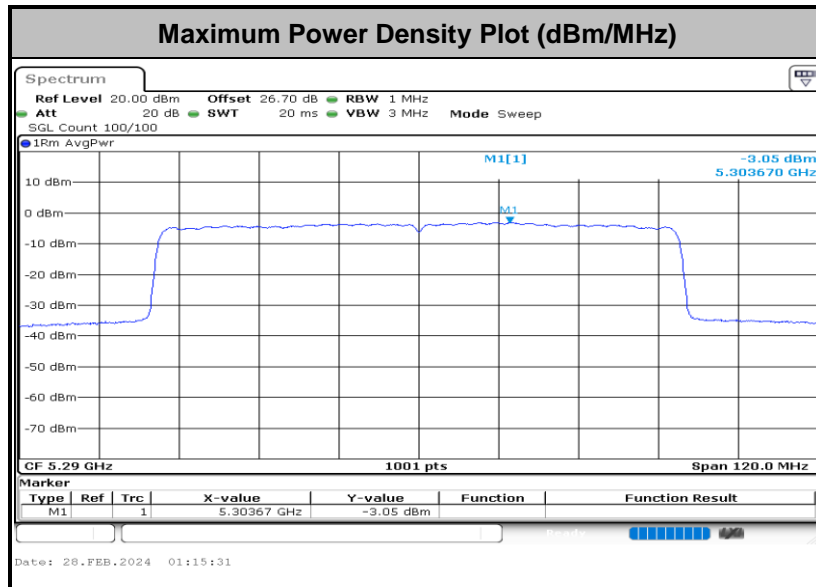


<802.11ax HE40>





<802.11ax HE80>





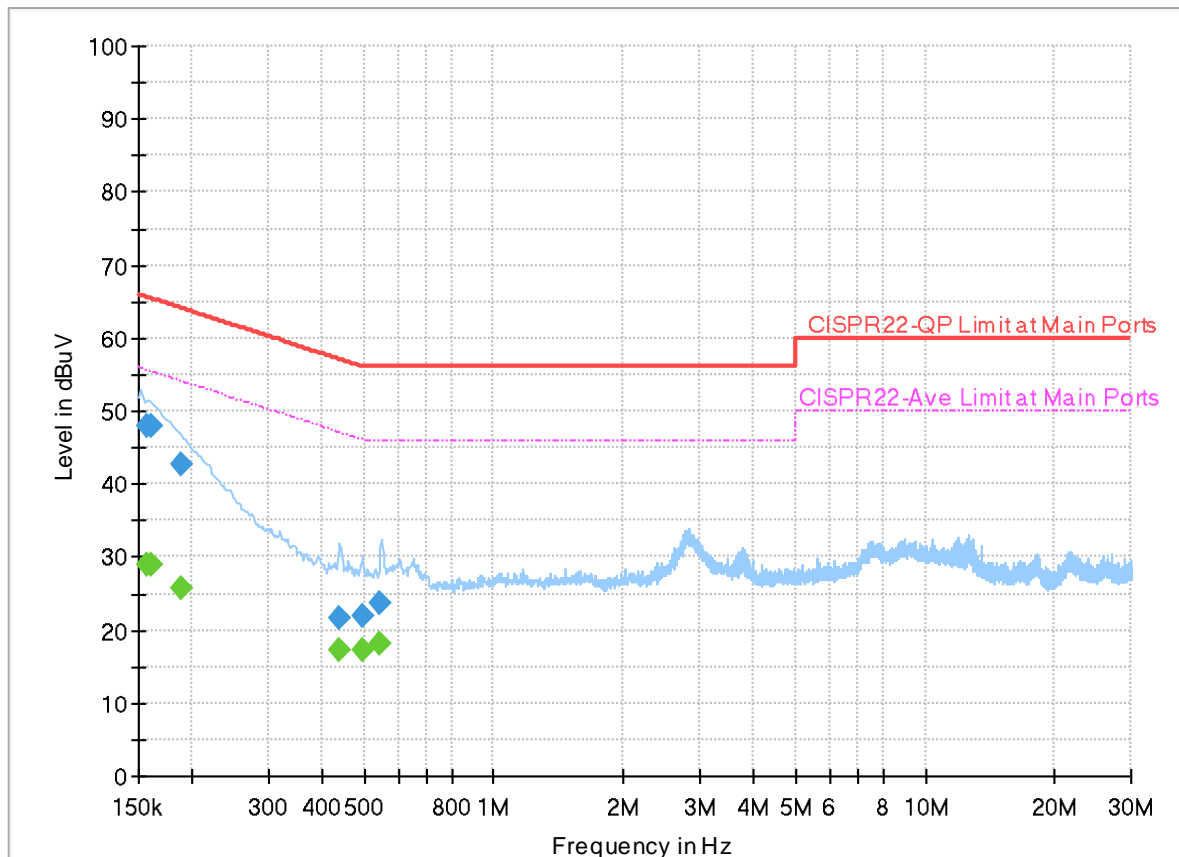
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	20.5~21.7°C
		Relative Humidity :	41.2~46.4%

EUT Information

Report NO : 412915
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



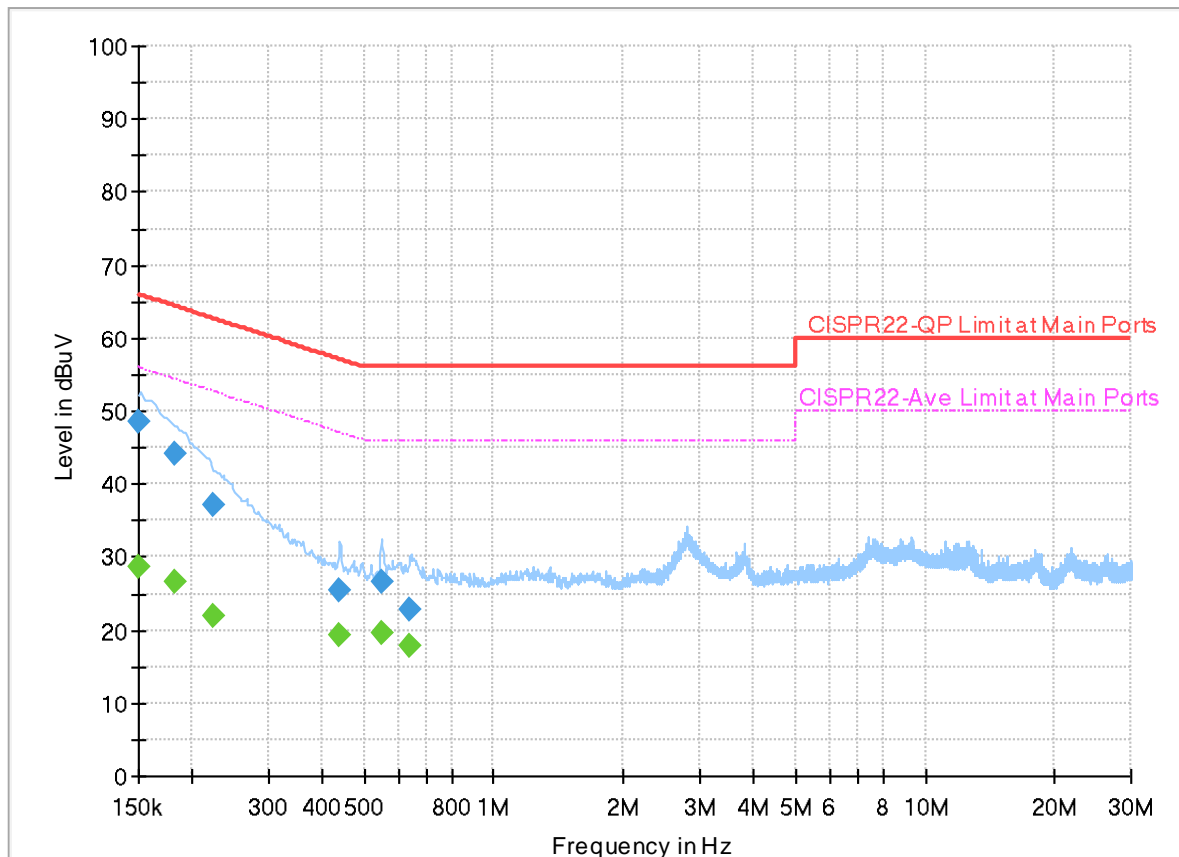
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	29.04	55.63	26.59	L1	OFF	19.9
0.156750	48.09	---	65.63	17.54	L1	OFF	19.9
0.161250	---	28.93	55.40	26.47	L1	OFF	19.9
0.161250	47.81	---	65.40	17.59	L1	OFF	19.9
0.188250	---	25.83	54.11	28.28	L1	OFF	19.9
0.188250	42.80	---	64.11	21.31	L1	OFF	19.9
0.435390	---	17.12	47.15	30.03	L1	OFF	19.9
0.435390	21.56	---	57.15	35.59	L1	OFF	19.9
0.494610	---	17.16	46.09	28.93	L1	OFF	19.9
0.494610	21.96	---	56.09	34.13	L1	OFF	19.9
0.546540	---	18.12	46.00	27.88	L1	OFF	19.9
0.546540	23.81	---	56.00	32.19	L1	OFF	19.9

EUT Information

Report NO : 412915
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	28.69	56.00	27.31	N	OFF	19.9
0.150000	48.50	---	66.00	17.50	N	OFF	19.9
0.182040	---	26.66	54.39	27.73	N	OFF	19.9
0.182040	44.21	---	64.39	20.18	N	OFF	19.9
0.224250	---	21.89	52.66	30.77	N	OFF	19.9
0.224250	37.05	---	62.66	25.61	N	OFF	19.9
0.438450	---	19.30	47.09	27.79	N	OFF	19.9
0.438450	25.58	---	57.09	31.51	N	OFF	19.9
0.549960	---	19.63	46.00	26.37	N	OFF	19.9
0.549960	26.66	---	56.00	29.34	N	OFF	19.9
0.638250	---	17.76	46.00	28.24	N	OFF	19.9
0.638250	22.70	---	56.00	33.30	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Quentin Liu, and Bigshow Wang	Temperature :	21.0~23.4°C
		Relative Humidity :	47~59%

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5144.6	58.03	-15.97	74	53.37	32.96	8.32	36.62	384	360	P	H	
		5150	48.71	-5.29	54	44.06	32.95	8.32	36.62	384	360	A	H	
	*	5180	98.44	-	-	93.79	32.92	8.35	36.62	384	360	P	H	
	*	5180	91.18	-	-	86.53	32.92	8.35	36.62	384	360	A	H	
													H	
														H
			5144	59.47	-14.53	74	54.81	32.96	8.32	36.62	167	47	P	V
			5150	51.46	-2.54	54	46.81	32.95	8.32	36.62	167	47	A	V
		*	5180	100.25	-	-	95.6	32.92	8.35	36.62	167	47	P	V
		*	5180	92.76	-	-	88.11	32.92	8.35	36.62	167	47	A	V
														V
														V
802.11a CH 44 5220MHz		5110.63	47.06	-26.94	74	42.41	32.99	8.29	36.63	300	13	P	H	
		5145.36	38.14	-15.86	54	33.49	32.95	8.32	36.62	300	13	A	H	
		* 5220	98.41	-	-	93.76	32.88	8.38	36.61	300	13	P	H	
		* 5220	91.26	-	-	86.61	32.88	8.38	36.61	300	13	A	H	
			5355.22	45.3	-28.7	74	40.67	32.8	8.43	36.6	300	13	P	H
			5454.02	36.53	-17.47	54	31.81	32.8	8.51	36.59	300	13	A	H
			5144.21	50.89	-23.11	74	46.23	32.96	8.32	36.62	100	47	P	V
			5149.73	39.68	-14.32	54	35.03	32.95	8.32	36.62	100	47	A	V
		*	5220	100.31	-	-	95.66	32.88	8.38	36.61	100	47	P	V
		*	5220	93.04	-	-	88.39	32.88	8.38	36.61	100	47	A	V
			5459.48	46.14	-27.86	74	41.4	32.8	8.52	36.58	100	47	P	V
			5352.62	36.7	-17.3	54	32.07	32.8	8.43	36.6	100	47	A	V



802.11a CH 48 5240MHz		5043.75	47.32	-26.68	74	42.62	33.11	8.22	36.63	315	7	P	H
		5128.5	37.38	-16.62	54	32.73	32.97	8.3	36.62	315	7	A	H
	*	5240	98.05	-	-	93.41	32.86	8.39	36.61	315	7	P	H
	*	5240	90.92	-	-	86.28	32.86	8.39	36.61	315	7	A	H
		5445.36	46.23	-27.77	74	41.52	32.8	8.5	36.59	315	7	P	H
		5437.44	36.51	-17.49	54	31.81	32.8	8.49	36.59	315	7	A	H
		5061.75	47.08	-26.92	74	42.39	33.08	8.24	36.63	100	44	P	V
		5148.25	37.63	-16.37	54	32.98	32.95	8.32	36.62	100	44	A	V
	*	5240	99.62	-	-	94.98	32.86	8.39	36.61	100	44	P	V
	*	5240	92.48	-	-	87.84	32.86	8.39	36.61	100	44	A	V
		5429.52	46.27	-27.73	74	41.58	32.8	8.48	36.59	100	44	P	V
		5354.16	36.7	-17.3	54	32.07	32.8	8.43	36.6	100	44	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.72	-22.48	68.2	53.64	38.54	12.48	58.94	-	-	P	H	
		15540	59.34	-14.66	74	63.79	38.28	15.82	58.55	100	121	P	H	
		15540	47.45	-6.55	54	51.9	38.28	15.82	58.55	100	121	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10360	46.33	-21.87	68.2	54.25	38.54	12.48	58.94	-	-	P	V
			15540	55.96	-18.04	74	60.41	38.28	15.82	58.55	306	118	P	V
			15540	45.68	-8.32	54	50.13	38.28	15.82	58.55	306	118	A	V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 44 5220MHz		10440	45.49	-22.71	68.2	53.32	38.58	12.53	58.94	-	-	P	H	
		15660	58.04	-15.96	74	62.67	38.08	15.91	58.62	100	130	P	H	
		15660	46.38	-7.62	54	51.01	38.08	15.91	58.62	100	130	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	45.21	-22.99	68.2	53.04	38.58	12.53	58.94	-	-	P	V
			15660	54.1	-19.9	74	58.73	38.08	15.91	58.62	290	97	P	V
			15660	44.03	-9.97	54	48.66	38.08	15.91	58.62	290	97	A	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 48 5240MHz		10480	45.1	-23.1	68.2	52.89	38.59	12.55	58.93	-	-	P	H	
		15720	58.15	-15.85	74	62.86	37.98	15.96	58.65	100	130	P	H	
		15720	46.12	-7.88	54	50.83	37.98	15.96	58.65	100	130	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	46.05	-22.15	68.2	53.84	38.59	12.55	58.93	-	-	P	V
			15720	54.46	-19.54	74	59.17	37.98	15.96	58.65	309	99	P	V
			15720	43.63	-10.37	54	48.34	37.98	15.96	58.65	309	99	A	V
														V
														V
														V
														V
														V
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11n HT20 CH 36 5180MHz		5147.8	57.85	-16.15	74	53.2	32.95	8.32	36.62	390	360	P	H	
		5150	47.86	-6.14	54	43.21	32.95	8.32	36.62	390	360	A	H	
	*	5180	95.63	-	-	90.98	32.92	8.35	36.62	390	360	P	H	
	*	5180	88.6	-	-	83.95	32.92	8.35	36.62	390	360	A	H	
													H	
													H	
			5142.8	60.12	-13.88	74	55.46	32.96	8.32	36.62	100	45	P	V
			5150	50.15	-3.85	54	45.5	32.95	8.32	36.62	100	45	A	V
		*	5180	100.05	-	-	95.4	32.92	8.35	36.62	100	45	P	V
		*	5180	92.82	-	-	88.17	32.92	8.35	36.62	100	45	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11n HT20 CH 48 5240MHz		10480	45.79	-22.41	68.2	53.58	38.59	12.55	58.93	400	0	P	H	
		15720	54.14	-19.86	74	58.85	37.98	15.96	58.65	100	226	P	H	
		15720	45.88	-8.12	54	50.59	37.98	15.96	58.65	100	226	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	46.57	-21.63	68.2	54.36	38.59	12.55	58.93	100	0	P	V
			15720	57.49	-16.51	74	62.2	37.98	15.96	58.65	100	219	P	V
			15720	46.61	-7.39	54	51.32	37.98	15.96	58.65	100	219	A	V
														V
														V
														V
													V	
													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 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT20 CH 36 5180MHz		5149.8	60.3	-13.7	74	55.65	32.95	8.32	36.62	100	46	P	V	
		5150	50.44	-3.56	54	45.79	32.95	8.32	36.62	100	46	A	V	
	*	5180	100.54	-	-	95.89	32.92	8.35	36.62	100	46	P	V	
	*	5180	93.09	-	-	88.44	32.92	8.35	36.62	100	46	A	V	
													H	
													H	
			5147.8	57.87	-16.13	74	53.22	32.95	8.32	36.62	390	360	P	H
			5149.8	48.19	-5.81	54	43.54	32.95	8.32	36.62	390	360	A	H
	*		5180	96.54	-	-	91.89	32.92	8.35	36.62	390	360	P	H
	*		5180	89.22	-	-	84.57	32.92	8.35	36.62	390	360	A	H
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT20 CH 48 5240MHz		10480	47.44	-20.76	68.2	55.23	38.59	12.55	58.93	-	-	P	H	
		15720	54.78	-19.22	74	59.49	37.98	15.96	58.65	100	226	P	H	
		15720	45.88	-8.12	54	50.59	37.98	15.96	58.65	100	226	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	46.73	-21.47	68.2	54.52	38.59	12.55	58.93	-	-	P	V
			15720	56.17	-17.83	74	60.88	37.98	15.96	58.65	100	219	P	V
			15720	46.73	-7.27	54	51.44	37.98	15.96	58.65	100	219	A	V
														V
														V
														V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11ac VHT40 CH 38 5190MHz		5147.18	59.14	-14.86	74	54.49	32.95	8.32	36.62	-	-	P	H
		5150	47.26	-6.74	54	42.61	32.95	8.32	36.62	-	-	A	H
	*	5190	91.58	-	-	86.93	32.91	8.36	36.62	-	-	P	H
	*	5190	84	-	-	79.35	32.91	8.36	36.62	-	-	A	H
		5363.7	45.96	-28.04	74	41.32	32.8	8.44	36.6	-	-	P	H
		5459.4	36.72	-17.28	54	31.98	32.8	8.52	36.58	-	-	A	H
		5148.06	62.79	-11.21	74	58.14	32.95	8.32	36.62	-	-	P	V
		5149.82	51.12	-2.88	54	46.47	32.95	8.32	36.62	-	-	A	V
	*	5190	95.94	-	-	91.29	32.91	8.36	36.62	-	-	P	V
	*	5190	88.48	-	-	83.83	32.91	8.36	36.62	-	-	A	V
		5357.1	45.99	-28.01	74	41.36	32.8	8.43	36.6	-	-	P	V
	5458.5	36.86	-17.14	54	32.13	32.8	8.51	36.58	-	-	A	V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT40 CH 46 5230MHz		10460	45.41	-22.79	68.2	53.22	38.58	12.54	58.93	-	-	P	H	
		15690	50.58	-23.42	74	55.24	38.03	15.94	58.63	100	228	P	H	
		15690	41.38	-12.62	54	46.04	38.03	15.94	58.63	100	228	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10460	44.92	-23.28	68.2	52.73	38.58	12.54	58.93	-	-	P	V
			15690	51.12	-22.88	74	55.78	38.03	15.94	58.63	100	221	P	V
			15690	42.06	-11.94	54	46.72	38.03	15.94	58.63	100	221	A	V
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant., Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test results for 802.11ac VHT80 CH 42 5210MHz and a Remark section.



Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT80 CH 42 5210MHz		10420	45.33	-22.87	68.2	53.18	38.57	12.52	58.94	-	-	P	H	
		15630	46.91	-27.09	74	51.49	38.13	15.89	58.6	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10420	44.96	-23.24	68.2	52.81	38.57	12.52	58.94	-	-	P	V
			15630	47.47	-26.53	74	52.05	38.13	15.89	58.6	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5147	59.52	-14.48	74	54.87	32.95	8.32	36.62	387	360	P	H	
		5150	49.15	-4.85	54	44.5	32.95	8.32	36.62	387	360	A	H	
	*	5180	99.49	-	-	94.84	32.92	8.35	36.62	387	360	P	H	
	*	5180	89.9	-	-	85.25	32.92	8.35	36.62	387	360	A	H	
													H	
														H
			5149.6	61.78	-12.22	74	57.13	32.95	8.32	36.62	100	46	P	V
			5150	51.76	-2.24	54	47.11	32.95	8.32	36.62	100	46	A	V
		*	5180	100.55	-	-	95.9	32.92	8.35	36.62	100	46	P	V
		*	5180	93.03	-	-	88.38	32.92	8.35	36.62	100	46	A	V
													V	
													V	
802.11ax HE20 Full CH 44 5220MHz		5148.58	48.25	-25.75	74	43.6	32.95	8.32	36.62	322	5	P	H	
		5149.73	38.51	-15.49	54	33.86	32.95	8.32	36.62	322	5	A	H	
		* 5220	99.72	-	-	95.07	32.88	8.38	36.61	322	5	P	H	
		* 5220	90.97	-	-	86.32	32.88	8.38	36.61	322	5	A	H	
			5364.58	45.11	-28.89	74	40.47	32.8	8.44	36.6	322	5	P	H
			5356	36.23	-17.77	54	31.6	32.8	8.43	36.6	322	5	A	H
			5146.97	51.16	-22.84	74	46.51	32.95	8.32	36.62	100	47	P	V
			5149.5	39.75	-14.25	54	35.1	32.95	8.32	36.62	100	47	A	V
		*	5220	99.95	-	-	95.3	32.88	8.38	36.61	100	47	P	V
		*	5220	92.22	-	-	87.57	32.88	8.38	36.61	100	47	A	V
		5447.52	45.86	-28.14	74	41.15	32.8	8.5	36.59	100	47	P	V	
		5352.1	36.42	-17.58	54	31.79	32.8	8.43	36.6	100	47	A	V	



802.11ax HE20 Full CH 48 5240MHz		5054.5	46.97	-27.03	74	42.28	33.09	8.23	36.63	301	3	P	H
		5072.5	37.14	-16.86	54	32.46	33.06	8.25	36.63	301	3	A	H
	*	5240	100.12	-	-	95.48	32.86	8.39	36.61	301	3	P	H
	*	5240	90.81	-	-	86.17	32.86	8.39	36.61	301	3	A	H
		5437.44	46.25	-27.75	74	41.55	32.8	8.49	36.59	301	3	P	H
		5457.84	36.33	-17.67	54	31.61	32.8	8.51	36.59	301	3	A	H
		5088.25	47.52	-26.48	74	42.87	33.02	8.26	36.63	100	46	P	V
		5149.75	37.28	-16.72	54	32.63	32.95	8.32	36.62	100	46	A	V
	*	5240	102.67	-	-	98.03	32.86	8.39	36.61	100	46	P	V
	*	5240	92.16	-	-	87.52	32.86	8.39	36.61	100	46	A	V
		5352.48	46.08	-27.92	74	41.45	32.8	8.43	36.6	100	46	P	V
		5357.52	36.49	-17.51	54	31.86	32.8	8.43	36.6	100	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	46.21	-21.99	68.2	54.13	38.54	12.48	58.94	-	-	P	H	
		15540	56.97	-17.03	74	61.42	38.28	15.82	58.55	100	260	P	H	
		15540	46.93	-7.07	54	51.38	38.28	15.82	58.55	100	260	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10360	46.16	-22.04	68.2	54.08	38.54	12.48	58.94	-	-	P	V
			15540	57.48	-16.52	74	61.93	38.28	15.82	58.55	285	133	P	V
			15540	47.72	-6.28	54	52.17	38.28	15.82	58.55	285	133	A	V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 44 5220MHz		10440	45.69	-22.51	68.2	53.52	38.58	12.53	58.94	-	-	P	H	
		15660	53.95	-20.05	74	58.58	38.08	15.91	58.62	100	223	P	H	
		15660	44.56	-9.44	54	49.19	38.08	15.91	58.62	100	223	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	44.88	-23.32	68.2	52.71	38.58	12.53	58.94	-	-	P	V
			15660	55.72	-18.28	74	60.35	38.08	15.91	58.62	289	134	P	V
			15660	44.99	-9.01	54	49.62	38.08	15.91	58.62	289	134	A	V
														V
														V
														V
														V
													V	
													V	



WiFi Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 48 5240MHz		10480	45.07	-23.13	68.2	52.86	38.59	12.55	58.93	-	-	P	H	
		15720	55.69	-18.31	74	60.4	37.98	15.96	58.65	100	232	P	H	
		15720	45.3	-8.7	54	50.01	37.98	15.96	58.65	100	232	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	45.46	-22.74	68.2	53.25	38.59	12.55	58.93	-	-	P	V
			15720	56.13	-17.87	74	60.84	37.98	15.96	58.65	100	220	P	V
			15720	46.15	-7.85	54	50.86	37.98	15.96	58.65	100	220	A	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 26/0 CH 36 5180MHz		5138.2	61.89	-12.11	74	57.24	32.96	8.31	36.62	400	354	P	H	
		5136.4	47.45	-6.55	54	42.8	32.96	8.31	36.62	400	354	A	H	
	*	5180	102.39	-	-	97.74	32.92	8.35	36.62	400	354	P	H	
	*	5180	94.19	-	-	89.54	32.92	8.35	36.62	400	354	A	H	
													H	
													H	
			5136.8	64.73	-9.27	74	60.08	32.96	8.31	36.62	100	41	P	V
			5137.8	51.49	-2.51	54	46.84	32.96	8.31	36.62	100	41	A	V
	*		5180	106.04	-	-	101.39	32.92	8.35	36.62	100	41	P	V
	*		5180	98.78	-	-	94.13	32.92	8.35	36.62	100	41	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 26/0 CH 36 5180MHz		10343	45.57	-22.63	68.2	53.52	38.54	12.46	58.95	-	-	P	H	
		15514	62.32	-11.68	74	66.73	38.33	15.8	58.54	100	220	P	H	
		15514	50.14	-3.86	54	54.55	38.33	15.8	58.54	100	220	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10343	46.35	-21.85	68.2	54.3	38.54	12.46	58.95	-	-	P	V
			15514	61.96	-12.04	74	66.37	38.33	15.8	58.54	223	218	P	V
			15514	50.1	-3.9	54	54.51	38.33	15.8	58.54	223	218	A	V
														V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 52/37 CH 36 5180MHz		5144.8	68.38	-5.62	74	63.72	32.96	8.32	36.62	374	0	P	H	
		5143.2	51.2	-2.8	54	46.54	32.96	8.32	36.62	374	0	P	H	
	*	5180	101.91	-	-	97.26	32.92	8.35	36.62	374	0	P	H	
	*	5180	95.22	-	-	90.57	32.92	8.35	36.62	374	0	A	H	
													H	
														H
			5143.8	67.83	-6.17	74	63.17	32.96	8.32	36.62	100	44	P	V
			5145.2	51.85	-2.15	54	47.2	32.95	8.32	36.62	100	44	A	V
	*		5180	104.87	-	-	100.22	32.92	8.35	36.62	100	44	P	V
	*		5180	98.01	-	-	93.36	32.92	8.35	36.62	100	44	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5147.8	65.86	-8.14	74	61.21	32.95	8.32	36.62	350	360	P	H	
		5146.8	49.65	-4.35	54	45	32.95	8.32	36.62	350	360	A	H	
	*	5180	101.1	-	-	96.45	32.92	8.35	36.62	350	360	P	H	
	*	5180	92.33	-	-	87.68	32.92	8.35	36.62	350	360	A	H	
													H	
														H
			5149	66.54	-7.46	74	61.89	32.95	8.32	36.62	100	47	P	V
			5150	51.61	-2.39	54	46.96	32.95	8.32	36.62	100	47	A	V
	*		5180	103.1	-	-	98.45	32.92	8.35	36.62	100	47	P	V
	*		5180	95.9	-	-	91.25	32.92	8.35	36.62	100	47	A	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5146.3	58.38	-15.62	74	53.73	32.95	8.32	36.62	303	12	P	H
		5150	48.83	-5.17	54	44.18	32.95	8.32	36.62	303	12	A	H
	*	5190	93.06	-	-	88.41	32.91	8.36	36.62	303	12	P	H
	*	5190	84.55	-	-	79.9	32.91	8.36	36.62	303	12	A	H
		5445	45.31	-28.69	74	40.6	32.8	8.5	36.59	303	12	P	H
		5439	36.71	-17.29	54	32.01	32.8	8.49	36.59	303	12	A	H
		5149.6	64.92	-9.08	74	60.27	32.95	8.32	36.62	100	46	P	V
		5149.82	51.59	-2.41	54	46.94	32.95	8.32	36.62	100	46	A	V
	*	5190	97.93	-	-	93.28	32.91	8.36	36.62	100	46	P	V
	*	5190	88.67	-	-	84.02	32.91	8.36	36.62	100	46	A	V
		5452.8	46.53	-27.47	74	41.81	32.8	8.51	36.59	100	46	P	V
		5420.7	36.86	-17.14	54	32.18	32.8	8.47	36.59	100	46	A	V
802.11ax HE40 Full CH 46 5230MHz		5140.92	48.51	-25.49	74	43.86	32.96	8.31	36.62	302	8	P	H
		5149.76	39.13	-14.87	54	34.48	32.95	8.32	36.62	302	8	A	H
	*	5230	97.56	-	-	92.92	32.87	8.38	36.61	302	8	P	H
	*	5230	88.1	-	-	83.46	32.87	8.38	36.61	302	8	A	H
		5367.7	47.37	-26.63	74	42.73	32.8	8.44	36.6	302	8	P	H
		5352.62	38.16	-15.84	54	33.53	32.8	8.43	36.6	302	8	A	H
		5141.18	50.4	-23.6	74	45.75	32.96	8.31	36.62	100	43	P	V
		5149.5	41.27	-12.73	54	36.62	32.95	8.32	36.62	100	43	A	V
	*	5230	97.83	-	-	93.19	32.87	8.38	36.61	100	43	P	V
	*	5230	89.57	-	-	84.93	32.87	8.38	36.61	100	43	A	V
	5350.02	48.36	-25.64	74	43.73	32.8	8.43	36.6	100	43	P	V	
	5351.06	38.69	-15.31	54	34.06	32.8	8.43	36.6	100	43	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	44.81	-23.39	68.2	52.72	38.55	12.48	58.94	-	-	P	H	
		15570	47.65	-26.35	74	52.15	38.23	15.84	58.57	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10380	45.26	-22.94	68.2	53.17	38.55	12.48	58.94	-	-	P	V
			15570	47.47	-26.53	74	51.97	38.23	15.84	58.57	-	-	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	
													V	



WiFi Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 46 5230MHz		10460	44.63	-23.57	68.2	52.44	38.58	12.54	58.93	-	-	P	H	
		15690	51.65	-22.35	74	56.31	38.03	15.94	58.63	100	235	P	H	
		15690	42.22	-11.78	54	46.88	38.03	15.94	58.63	100	235	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10460	46.55	-21.65	68.2	54.36	38.58	12.54	58.93	-	-	P	V
			15690	52.88	-21.12	74	57.54	38.03	15.94	58.63	100	219	P	V
			15690	43.07	-10.93	54	47.73	38.03	15.94	58.63	100	219	A	V
														V
														V
														V
														V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5139.62	58.19	-15.81	74	53.54	32.96	8.31	36.62	326	5	P	H
		5149.76	46.53	-7.47	54	41.88	32.95	8.32	36.62	326	5	A	H
	*	5210	88.75	-	-	84.1	32.89	8.37	36.61	326	5	P	H
	*	5210	80.64	-	-	75.99	32.89	8.37	36.61	326	5	A	H
		5364.9	47.22	-26.78	74	42.58	32.8	8.44	36.6	326	5	P	H
		5351.4	37.54	-16.46	54	32.91	32.8	8.43	36.6	326	5	A	H
		5143	60.36	-13.64	74	55.7	32.96	8.32	36.62	100	36	P	V
		5150	49.82	-4.18	54	45.17	32.95	8.32	36.62	100	36	A	V
	*	5210	92.08	-	-	87.43	32.89	8.37	36.61	100	36	P	V
	*	5210	84.23	-	-	79.58	32.89	8.37	36.61	100	36	A	V
		5354.1	47.88	-26.12	74	43.25	32.8	8.43	36.6	100	36	P	V
		5352.3	38.49	-15.51	54	33.86	32.8	8.43	36.6	100	36	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.21	-22.99	68.2	53.06	38.57	12.52	58.94	-	-	P	H	
		15630	51.09	-22.91	74	55.67	38.13	15.89	58.6	100	236	P	H	
		15630	41.67	-12.33	54	46.25	38.13	15.89	58.6	100	236	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10420	45.02	-23.18	68.2	52.87	38.57	12.52	58.94	-	-	P	V
			15630	50.8	-23.2	74	55.38	38.13	15.89	58.6	100	218	P	V
			15630	41.94	-12.06	54	46.52	38.13	15.89	58.6	100	218	A	V
														V
														V
														V
														V
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5070.56	46.38	-27.62	74	41.7	33.06	8.25	36.63	351	6	P	H
		5068.32	37.42	-16.58	54	32.75	33.06	8.24	36.63	351	6	A	H
	*	5260	98.45	-	-	93.83	32.84	8.39	36.61	351	6	P	H
	*	5260	91.45	-	-	86.83	32.84	8.39	36.61	351	6	A	H
		5418.64	45.87	-28.13	74	41.19	32.8	8.47	36.59	351	6	P	H
		5355.72	36.81	-17.19	54	32.18	32.8	8.43	36.6	351	6	A	H
		5009.52	46.65	-27.35	74	41.92	33.18	8.19	36.64	100	44	P	V
		5143.36	37.44	-16.56	54	32.78	32.96	8.32	36.62	100	44	A	V
	*	5260	100.85	-	-	96.23	32.84	8.39	36.61	100	44	P	V
	*	5260	93.69	-	-	89.07	32.84	8.39	36.61	100	44	A	V
		5352.42	47.07	-26.93	74	42.44	32.8	8.43	36.6	100	44	P	V
		5353.08	37.41	-16.59	54	32.78	32.8	8.43	36.6	100	44	A	V
802.11a CH 60 5300MHz		5114.88	47.68	-26.32	74	43.03	32.99	8.29	36.63	327	9	P	H
		5013.44	37.27	-16.73	54	32.55	33.17	8.19	36.64	327	9	A	H
	*	5300	98.84	-	-	94.23	32.8	8.41	36.6	327	9	P	H
	*	5300	91.58	-	-	86.97	32.8	8.41	36.6	327	9	A	H
		5351.46	48.08	-25.92	74	43.45	32.8	8.43	36.6	327	9	P	H
		5350.02	38.07	-15.93	54	33.44	32.8	8.43	36.6	327	9	A	H
		5035.2	47.48	-26.52	74	42.78	33.13	8.21	36.64	100	46	P	V
		5029.76	37.3	-16.7	54	32.59	33.14	8.21	36.64	100	46	A	V
	*	5300	100.49	-	-	95.88	32.8	8.41	36.6	100	46	P	V
	*	5300	93.13	-	-	88.52	32.8	8.41	36.6	100	46	A	V
		5350.2	51.06	-22.94	74	46.43	32.8	8.43	36.6	100	46	P	V
		5350.74	39.67	-14.33	54	35.04	32.8	8.43	36.6	100	46	A	V



802.11a CH 64 5320MHz	*	5320	97.09	-	-	92.47	32.8	8.42	36.6	400	202	P	H
	*	5320	89.66	-	-	85.04	32.8	8.42	36.6	400	202	A	H
		5350.4	59.36	-14.64	74	54.73	32.8	8.43	36.6	400	202	P	H
		5350.08	43.51	-10.49	54	38.88	32.8	8.43	36.6	400	202	A	H
													H
													H
	*	5320	99.46	-	-	94.84	32.8	8.42	36.6	100	230	P	V
	*	5320	91.96	-	-	87.34	32.8	8.42	36.6	100	230	A	V
		5353.6	60.91	-13.09	74	56.28	32.8	8.43	36.6	100	230	P	V
		5350.08	45.34	-8.66	54	40.71	32.8	8.43	36.6	100	230	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.7	-22.5	68.2	53.42	38.61	12.59	58.92	-	-	P	H	
		15780	58.83	-15.17	74	63.62	37.87	16.02	58.68	100	136	P	H	
		15780	48.49	-5.51	54	53.28	37.87	16.02	58.68	100	136	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	45.32	-22.88	68.2	53.04	38.61	12.59	58.92	-	-	P	V
			15780	56.73	-17.27	74	61.52	37.87	16.02	58.68	303	118	P	V
			15780	45.44	-8.56	54	50.23	37.87	16.02	58.68	303	118	A	V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 60 5300MHz		10600	44.91	-29.09	74	52.51	38.64	12.64	58.88	-	-	P	H	
		15900	54.46	-19.54	74	59.43	37.67	16.11	58.75	100	226	P	H	
		15900	45.22	-8.78	54	50.19	37.67	16.11	58.75	100	226	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10600	45.74	-28.26	74	53.34	38.64	12.64	58.88	-	-	P	V
			15900	56.17	-17.83	74	61.14	37.67	16.11	58.75	100	218	P	V
			15900	46.9	-7.1	54	51.87	37.67	16.11	58.75	100	218	A	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 64 5320MHz		10640	46.52	-27.48	74	54.06	38.66	12.66	58.86	-	-	P	H	
		15960	55.97	-18.03	74	61.02	37.57	16.16	58.78	100	224	P	H	
		15960	43.83	-10.17	54	48.88	37.57	16.16	58.78	100	224	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10640	45.55	-28.45	74	53.09	38.66	12.66	58.86	-	-	P	V
			15960	57.75	-16.25	74	62.8	37.57	16.16	58.78	100	220	P	V
			15960	46.23	-7.77	54	51.28	37.57	16.16	58.78	100	220	A	V
														V
														V
														V
														V
														V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



**Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)**

802.11n HT20 CH 64 5320MHz	*	5320	97.14	-	-	92.52	32.8	8.42	36.6	400	203	P	H
	*	5320	89.6	-	-	84.98	32.8	8.42	36.6	400	203	A	H
		5356.32	56.71	-17.29	74	52.08	32.8	8.43	36.6	400	203	P	H
		5350.24	45.03	-8.97	54	40.4	32.8	8.43	36.6	400	203	A	H
													H
													H
	*	5320	99.51	-	-	94.89	32.8	8.42	36.6	100	230	P	V
	*	5320	91.84	-	-	87.22	32.8	8.42	36.6	100	230	A	V
		5355.68	60.04	-13.96	74	55.41	32.8	8.43	36.6	100	230	P	V
		5350.08	46.77	-7.23	54	42.14	32.8	8.43	36.6	100	230	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11n HT20 CH 52 5260MHz		10520	44.8	-23.4	68.2	52.52	38.61	12.59	58.92	-	-	P	H	
		15780	54.32	-19.68	74	59.11	37.87	16.02	58.68	100	229	P	H	
		15780	43.11	-10.89	54	47.9	37.87	16.02	58.68	100	229	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	44.84	-23.36	68.2	52.56	38.61	12.59	58.92	-	-	P	V
			15780	55.36	-18.64	74	60.15	37.87	16.02	58.68	100	218	P	V
			15780	44.31	-9.69	54	49.1	37.87	16.02	58.68	100	218	A	V
														V
														V
														V
													V	
													V	
													V	
													V	



**Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)**

802.11ac VHT20 CH 64 5320MHz	*	5320	99.25	-	-	94.63	32.8	8.42	36.6	100	231	P	V
	*	5320	91.57	-	-	86.95	32.8	8.42	36.6	100	231	A	V
		5350.08	62.76	-11.24	74	58.13	32.8	8.43	36.6	100	231	P	V
		5350.24	47.24	-6.76	54	42.61	32.8	8.43	36.6	100	231	A	V
													H
													H
	*	5320	98.81	-	-	94.19	32.8	8.42	36.6	400	206	P	H
	*	5320	89.59	-	-	84.97	32.8	8.42	36.6	400	206	A	H
		5350.24	57.96	-16.04	74	53.33	32.8	8.43	36.6	400	206	P	H
		5350.08	45.67	-8.33	54	41.04	32.8	8.43	36.6	400	206	A	H
												V	
												V	
Remark	<ol style="list-style-type: none"> 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 												



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT20 CH 52 5260MHz		10520	45.54	-22.66	68.2	53.26	38.61	12.59	58.92	-	-	P	H	
		15780	54.31	-19.69	74	59.1	37.87	16.02	58.68	100	227	P	H	
		15780	43.08	-10.92	54	47.87	37.87	16.02	58.68	100	227	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	44.41	-23.79	68.2	52.13	38.61	12.59	58.92	-	-	P	V
			15780	54.87	-19.13	74	59.66	37.87	16.02	58.68	100	218	P	V
			15780	44.09	-9.91	54	48.88	37.87	16.02	58.68	100	218	A	V
														V
														V
														V
														V
													V	
													V	



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11ac VHT40 CH 62 5310MHz		5088.74	47.47	-26.53	74	42.82	33.02	8.26	36.63	-	-	P	H
		5021.42	37.33	-16.67	54	32.61	33.16	8.2	36.64	-	-	A	H
	*	5310	93.17	-	-	88.56	32.8	8.41	36.6	-	-	P	H
	*	5310	85.77	-	-	81.16	32.8	8.41	36.6	-	-	A	H
		5352	61.95	-12.05	74	57.32	32.8	8.43	36.6	-	-	P	H
		5350.32	49.37	-4.63	54	44.74	32.8	8.43	36.6	-	-	A	H
		5007.82	47.15	-26.85	74	42.42	33.18	8.19	36.64	-	-	P	V
		5043.86	37.58	-16.42	54	32.88	33.11	8.22	36.63	-	-	A	V
	*	5310	95.4	-	-	90.79	32.8	8.41	36.6	-	-	P	V
	*	5310	88.15	-	-	83.54	32.8	8.41	36.6	-	-	A	V
		5350.8	65.57	-8.43	74	60.94	32.8	8.43	36.6	-	-	P	V
	5350.56	50.69	-3.31	54	46.06	32.8	8.43	36.6	-	-	A	V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT40 CH 54 5270MHz		10540	44.71	-23.49	68.2	52.4	38.62	12.6	58.91	-	-	P	H	
		15810	50.04	-23.96	74	54.88	37.82	16.04	58.7	100	226	P	H	
		15810	40.84	-13.16	54	45.68	37.82	16.04	58.7	100	226	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10540	45.09	-23.11	68.2	52.78	38.62	12.6	58.91	-	-	P	V
			15810	51.45	-22.55	74	56.29	37.82	16.04	58.7	100	221	P	V
			15810	41.74	-12.26	54	46.58	37.82	16.04	58.7	100	221	A	V
														V
														V
														V
													V	
													V	
													V	
													V	



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11ac VHT80 CH 58 5290MHz		5113.56	48.06	-25.94	74	43.41	32.99	8.29	36.63	400	195	P	H
		5111.52	37.75	-16.25	54	33.1	32.99	8.29	36.63	400	195	A	H
	*	5290	87.98	-	-	83.37	32.81	8.41	36.61	400	195	P	H
	*	5290	80.73	-	-	76.12	32.81	8.41	36.61	400	195	A	H
		5352.64	60.24	-13.76	74	55.61	32.8	8.43	36.6	400	195	P	H
		5350.22	48.6	-5.4	54	43.97	32.8	8.43	36.6	400	195	A	H
		5037.4	47.84	-26.16	74	43.13	33.13	8.22	36.64	100	230	P	V
		5148.24	38.26	-15.74	54	33.61	32.95	8.32	36.62	100	230	A	V
	*	5290	91.93	-	-	87.32	32.81	8.41	36.61	100	230	P	V
	*	5290	84.46	-	-	79.85	32.81	8.41	36.61	100	230	A	V
		5355.06	60.99	-13.01	74	56.36	32.8	8.43	36.6	100	230	P	V
		5350	51	-3	54	46.37	32.8	8.43	36.6	100	230	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT80 CH 58 5290MHz		10580	45.9	-22.3	68.2	53.54	38.63	12.62	58.89	-	-	P	H	
		15870	45.87	-28.13	74	50.79	37.72	16.09	58.73	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10580	44.54	-23.66	68.2	52.18	38.63	12.62	58.89	-	-	P	V
			15870	46.07	-27.93	74	50.99	37.72	16.09	58.73	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 2 5250~5350MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5032.76	47.22	-26.78	74	42.52	33.13	8.21	36.64	319	8	P	H
		5060.76	36.99	-17.01	54	32.3	33.08	8.24	36.63	319	8	A	H
	*	5260	98.52	-	-	93.9	32.84	8.39	36.61	319	8	P	H
	*	5260	90.37	-	-	85.75	32.84	8.39	36.61	319	8	A	H
		5442.15	46.82	-27.18	74	42.11	32.8	8.5	36.59	319	8	P	H
		5350.17	36.82	-17.18	54	32.19	32.8	8.43	36.6	319	8	A	H
		5130.48	47.13	-26.87	74	42.48	32.97	8.3	36.62	100	45	P	V
		5132.16	37.15	-16.85	54	32.49	32.97	8.31	36.62	100	45	A	V
	*	5260	102.53	-	-	97.91	32.84	8.39	36.61	100	45	P	V
	*	5260	93.04	-	-	88.42	32.84	8.39	36.61	100	45	A	V
		5353.32	47.74	-26.26	74	43.11	32.8	8.43	36.6	100	45	P	V
		5350.38	37.45	-16.55	54	32.82	32.8	8.43	36.6	100	45	A	V
802.11ax HE20 Full CH 60 5300MHz		5030.72	46.01	-27.99	74	41.3	33.14	8.21	36.64	329	8	P	H
		5079.68	37.01	-16.99	54	32.34	33.04	8.26	36.63	329	8	A	H
	*	5300	99.46	-	-	94.85	32.8	8.41	36.6	329	8	P	H
	*	5300	90.83	-	-	86.22	32.8	8.41	36.6	329	8	A	H
		5359.38	48.93	-25.07	74	44.3	32.8	8.43	36.6	329	8	P	H
		5350.38	38.55	-15.45	54	33.92	32.8	8.43	36.6	329	8	A	H
		5033.28	46.58	-27.42	74	41.88	33.13	8.21	36.64	100	45	P	V
		5106.56	37.04	-16.96	54	32.4	32.99	8.28	36.63	100	45	A	V
	*	5300	100.06	-	-	95.45	32.8	8.41	36.6	100	45	P	V
	*	5300	92.6	-	-	87.99	32.8	8.41	36.6	100	45	A	V
	5358.3	51.88	-22.12	74	47.25	32.8	8.43	36.6	100	45	P	V	
	5350.56	40.66	-13.34	54	36.03	32.8	8.43	36.6	100	45	A	V	



802.11ax HE20 Full CH 64 5320MHz	*	5320	98.58	-	-	93.96	32.8	8.42	36.6	400	7	P	H
	*	5320	89.19	-	-	84.57	32.8	8.42	36.6	400	7	A	H
		5350.24	56.69	-17.31	74	52.06	32.8	8.43	36.6	400	7	P	H
		5350.08	45.74	-8.26	54	41.11	32.8	8.43	36.6	400	7	A	H
													H
													H
	*	5320	99.89	-	-	95.27	32.8	8.42	36.6	100	32	P	V
	*	5320	91.47	-	-	86.85	32.8	8.42	36.6	100	32	A	V
		5351.04	59.22	-14.78	74	54.59	32.8	8.43	36.6	100	32	P	V
		5350.08	47.28	-6.72	54	42.65	32.8	8.43	36.6	100	32	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.96	-22.24	68.2	53.68	38.61	12.59	58.92	-	-	P	H	
		15780	54.97	-19.03	74	59.76	37.87	16.02	58.68	100	229	P	H	
		15780	43.89	-10.11	54	48.68	37.87	16.02	58.68	100	229	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	45.56	-22.64	68.2	53.28	38.61	12.59	58.92	-	-	P	V
			15780	58.06	-15.94	74	62.85	37.87	16.02	58.68	100	217	P	V
			15780	45.37	-8.63	54	50.16	37.87	16.02	58.68	100	217	A	V
														V
														V
														V
														V
													V	
													V	



FCC RADIO TEST REPORT

Report No. : FR412915E

WiFi Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 60 5300MHz		10600	44.3	-29.7	74	51.9	38.64	12.64	58.88	-	-	P	H	
		15900	53.54	-20.46	74	58.51	37.67	16.11	58.75	100	227	P	H	
		15900	44.49	-9.51	54	49.46	37.67	16.11	58.75	100	227	A	H	
													H	
													H	
													H	
														H
														H
														H
														H
														H
														H
														V
			10600	45.3	-28.7	74	52.9	38.64	12.64	58.88	-	-	P	V
			15900	55.13	-18.87	74	60.1	37.67	16.11	58.75	100	222	P	V
			15900	46.1	-7.9	54	51.07	37.67	16.11	58.75	100	222	A	V
														V
														V
													V	
													V	
													V	
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 64 5320MHz		10640	44.76	-29.24	74	52.3	38.66	12.66	58.86	-	-	P	H	
		15960	58.32	-15.68	74	63.37	37.57	16.16	58.78	100	128	P	H	
		15960	46.1	-7.9	54	51.15	37.57	16.16	58.78	100	128	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10640	44.79	-29.21	74	52.33	38.66	12.66	58.86	-	-	P	V
			15960	55.52	-18.48	74	60.57	37.57	16.16	58.78	250	93	P	V
			15960	44.13	-9.87	54	49.18	37.57	16.16	58.78	250	93	A	V
														V
														V
														V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 2 5250~5350MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 26/8 CH 64 5320MHz	*	5320	102.18	-	-	97.56	32.8	8.42	36.6	400	341	P	H	
	*	5320	95.88	-	-	91.26	32.8	8.42	36.6	400	341	A	H	
		5362.08	58.28	-15.72	74	53.65	32.8	8.43	36.6	400	341	P	H	
		5361.76	47.75	-6.25	54	43.12	32.8	8.43	36.6	400	341	A	H	
													H	
														H
	*	5320	106.45	-	-	101.83	32.8	8.42	36.6	114	54	P	V	
	*	5320	100.31	-	-	95.69	32.8	8.42	36.6	114	54	A	V	
		5363.68	59.5	-14.5	74	54.86	32.8	8.44	36.6	114	54	P	V	
		5362.24	50.73	-3.27	54	46.1	32.8	8.43	36.6	114	54	A	V	
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 26/8 CH 64 5320MHz		10652	54.73	-19.27	74	62.25	38.66	12.67	58.85	272	248	P	H	
		10652	41.94	-12.06	54	49.46	38.66	12.67	58.85	272	248	A	H	
		15987	62.95	-11.05	74	68.03	37.52	16.19	58.79	100	231	P	H	
		15987	50.7	-3.3	54	55.78	37.52	16.19	58.79	100	231	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10652	52.72	-21.28	74	60.24	38.66	12.67	58.85	100	130	P	V
			10652	41.43	-12.57	54	48.95	38.66	12.67	58.85	100	130	A	V
			15987	61.48	-12.52	74	66.56	37.52	16.19	58.79	222	217	P	V
			15987	50.37	-3.63	54	55.45	37.52	16.19	58.79	222	217	A	V
														V
														V
													V	
													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 52 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 52/40 CH 64 5320MHz	*	5320	102.31	-	-	97.69	32.8	8.42	36.6	341	358	P	H	
	*	5320	94.27	-	-	89.65	32.8	8.42	36.6	341	358	A	H	
		5358.4	66.13	-7.87	74	61.5	32.8	8.43	36.6	341	358	P	H	
		5357.6	46.09	-7.91	54	41.46	32.8	8.43	36.6	341	358	A	H	
													H	
													H	
	*	5320	104.68	-	-	100.06	32.8	8.42	36.6	122	46	46	P	V
	*	5320	97.27	-	-	92.65	32.8	8.42	36.6	122	46	46	A	V
		5356.8	69.04	-4.96	74	64.41	32.8	8.43	36.6	122	46	46	P	V
		5357.28	51.31	-2.69	54	46.68	32.8	8.43	36.6	122	46	46	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 2 5250~5350MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	99.7	-	-	95.08	32.8	8.42	36.6	316	360	P	H
	*	5320	90.96	-	-	86.34	32.8	8.42	36.6	316	360	A	H
		5351.52	66.06	-7.94	74	61.43	32.8	8.43	36.6	316	360	P	H
		5350.72	48.89	-5.11	54	44.26	32.8	8.43	36.6	316	360	A	H
													H
													H
	*	5320	101.71	-	-	97.09	32.8	8.42	36.6	173	47	P	V
	*	5320	93.63	-	-	89.01	32.8	8.42	36.6	173	47	A	V
		5351.84	64.52	-9.48	74	59.89	32.8	8.43	36.6	173	47	P	V
		5350.08	51.1	-2.9	54	46.47	32.8	8.43	36.6	173	47	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5128.64	46.97	-27.03	74	42.32	32.97	8.3	36.62	315	8	P	H
		5144.96	38.04	-15.96	54	33.38	32.96	8.32	36.62	315	8	A	H
	*	5270	96.63	-	-	92.01	32.83	8.4	36.61	315	8	P	H
	*	5270	88.51	-	-	83.89	32.83	8.4	36.61	315	8	A	H
		5352	51.57	-22.43	74	46.94	32.8	8.43	36.6	315	8	P	H
		5350.32	40.78	-13.22	54	36.15	32.8	8.43	36.6	315	8	A	H
		5148.48	48.42	-25.58	74	43.77	32.95	8.32	36.62	100	45	P	V
		5149.12	38.69	-15.31	54	34.04	32.95	8.32	36.62	100	45	A	V
	*	5270	98.25	-	-	93.63	32.83	8.4	36.61	100	45	P	V
	*	5270	90.12	-	-	85.5	32.83	8.4	36.61	100	45	A	V
		5364.96	54.1	-19.9	74	49.46	32.8	8.44	36.6	100	45	P	V
		5351.04	43.75	-10.25	54	39.12	32.8	8.43	36.6	100	45	A	V
802.11ax HE40 Full CH 62 5310MHz		5000.68	47.35	-26.65	74	42.61	33.2	8.18	36.64	355	12	P	H
		5032.3	37.58	-16.42	54	32.87	33.14	8.21	36.64	355	12	A	H
	*	5310	93.14	-	-	88.53	32.8	8.41	36.6	355	12	P	H
	*	5310	85.52	-	-	80.91	32.8	8.41	36.6	355	12	A	H
		5351.04	59.32	-14.68	74	54.69	32.8	8.43	36.6	355	12	P	H
		5350.56	49.2	-4.8	54	44.57	32.8	8.43	36.6	355	12	A	H
		5006.12	47.73	-26.27	74	42.99	33.19	8.19	36.64	100	33	P	V
		5030.94	37.49	-16.51	54	32.78	33.14	8.21	36.64	100	33	A	V
	*	5310	95.74	-	-	91.13	32.8	8.41	36.6	100	33	P	V
	*	5310	87.26	-	-	82.65	32.8	8.41	36.6	100	33	A	V
	5350.08	60.07	-13.93	74	55.44	32.8	8.43	36.6	100	33	P	V	
	5350.32	51.27	-2.73	54	46.64	32.8	8.43	36.6	100	33	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	43.63	-24.57	68.2	51.32	38.62	12.6	58.91	-	-	P	H
		15810	55.52	-18.48	74	60.36	37.82	16.04	58.7	100	126	P	H
		15810	45.55	-8.45	54	50.39	37.82	16.04	58.7	100	126	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
			10540	43.78	-24.42	68.2	51.47	38.62	12.6	58.91	-	-	P
		15810	52.49	-21.51	74	57.33	37.82	16.04	58.7	229	119	P	V
		15810	43.68	-10.32	54	48.52	37.82	16.04	58.7	229	119	A	V
													V
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WIFI Ant.	Note	Frequency (MHz)	Level (dB μ V/m)	Margin (dB)	Limit Line (dB μ V/m)	Read Level (dB μ V)	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 62 5310MHz		10620	43.4	-30.6	74	50.96	38.65	12.66	58.87	-	-	P	H	
		15930	52.84	-21.16	74	57.84	37.62	16.14	58.76	100	126	P	H	
		15930	43.11	-10.89	54	48.11	37.62	16.14	58.76	100	126	A	H	
													H	
													H	
													H	
													H	
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													H	
													H	
			10620	43.99	-30.01	74	51.55	38.65	12.66	58.87	-	-	P	V
			15930	50.5	-23.5	74	55.5	37.62	16.14	58.76	227	119	P	V
			15930	41.81	-12.19	54	46.81	37.62	16.14	58.76	227	119	A	V
														V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5102	46.47	-27.53	74	41.82	33	8.28	36.63	400	7	P	H
		5097.92	37.48	-16.52	54	32.84	33	8.27	36.63	400	7	A	H
	*	5290	89.45	-	-	84.84	32.81	8.41	36.61	400	7	P	H
	*	5290	82.12	-	-	77.51	32.81	8.41	36.61	400	7	A	H
		5350	61.17	-12.83	74	56.54	32.8	8.43	36.6	400	7	P	H
		5350	49.99	-4.01	54	45.36	32.8	8.43	36.6	400	7	A	H
		5149.94	48.29	-25.71	74	43.64	32.95	8.32	36.62	100	33	P	V
		5148.58	38.38	-15.62	54	33.73	32.95	8.32	36.62	100	33	A	V
	*	5290	94.01	-	-	89.4	32.81	8.41	36.61	100	33	P	V
	*	5290	85.01	-	-	80.4	32.81	8.41	36.61	100	33	A	V
		5353.08	63.44	-10.56	74	58.81	32.8	8.43	36.6	100	33	P	V
		5350.44	51.94	-2.06	54	47.31	32.8	8.43	36.6	100	33	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	44.16	-24.04	68.2	51.8	38.63	12.62	58.89	-	-	P	H
		15870	50.58	-23.42	74	55.5	37.72	16.09	58.73	100	126	P	H
		15870	41.04	-12.96	54	45.96	37.72	16.09	58.73	100	126	A	H
													H
													H
													H
													H
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													H
													H
													H
			10580	44.8	-23.4	68.2	52.44	38.63	12.62	58.89	-	-	P
		15870	49.98	-24.02	74	54.9	37.72	16.09	58.73	228	118	P	V
		15870	40.55	-13.45	54	45.47	37.72	16.09	58.73	228	118	A	V
													V
													V
													V
													V
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Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5457.27	55.72	-18.28	74	51	32.8	8.51	36.59	400	188	P	H	
		5469.85	60.52	-7.68	68.2	55.77	32.8	8.53	36.58	400	188	P	H	
		5459.31	42.89	-11.11	54	38.15	32.8	8.52	36.58	400	188	A	H	
	*	5500	99.5	-	-	94.72	32.8	8.56	36.58	400	188	P	H	
	*	5500	91.96	-	-	87.18	32.8	8.56	36.58	400	188	A	H	
														H
			5459.65	57.31	-16.69	74	52.57	32.8	8.52	36.58	100	226	P	V
			5470	63.01	-5.19	68.2	58.26	32.8	8.53	36.58	100	226	P	V
			5459.99	44.24	-9.76	54	39.5	32.8	8.52	36.58	100	226	A	V
	*		5500	102.44	-	-	97.66	32.8	8.56	36.58	100	226	P	V
	*		5500	95.14	-	-	90.36	32.8	8.56	36.58	100	226	A	V
														V
802.11a CH 116 5580MHz		5456.25	46.63	-27.37	74	41.91	32.8	8.51	36.59	331	351	P	H	
		5460.75	45.92	-22.28	68.2	41.18	32.8	8.52	36.58	331	351	P	H	
		5455.6	36.7	-17.3	54	31.98	32.8	8.51	36.59	331	351	A	H	
	*	5580	103.29	-	-	98.25	32.96	8.65	36.57	331	351	P	H	
	*	5580	96.11	-	-	91.07	32.96	8.65	36.57	331	351	A	H	
			5743.265	47.25	-20.95	68.2	41.29	33.72	8.79	36.55	331	351	P	H
			5452.25	45.76	-28.24	74	41.04	32.8	8.51	36.59	100	45	P	V
			5466.75	45.86	-22.34	68.2	41.12	32.8	8.52	36.58	100	45	P	V
			5459.92	37	-17	54	32.26	32.8	8.52	36.58	100	45	A	V
	*		5580	103.72	-	-	98.68	32.96	8.65	36.57	100	45	P	V
	*		5580	96.78	-	-	91.74	32.96	8.65	36.57	100	45	A	V
			5760.59	48.15	-20.05	68.2	42.09	33.8	8.81	36.55	100	45	P	V



802.11a CH 140 5700MHz	*	5700	100.76	-	-	95.06	33.5	8.76	36.56	400	205	P	H
	*	5700	93.97	-	-	88.27	33.5	8.76	36.56	400	205	A	H
		5726.675	63.93	-4.27	68.2	58.07	33.63	8.78	36.55	400	205	P	H
													H
													H
													H
	*	5700	102.5	-	-	96.8	33.5	8.76	36.56	100	229	P	V
	*	5700	95.76	-	-	90.06	33.5	8.76	36.56	100	229	A	V
		5727.95	65.1	-3.1	68.2	59.23	33.64	8.78	36.55	100	229	P	V
													V
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													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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	51.72	-22.28	74	58.69	38.8	12.91	58.68	100	245	P	H	
		11000	40.42	-13.58	54	47.39	38.8	12.91	58.68	100	245	A	H	
		16500	48.32	-19.88	68.2	53.77	37.6	16.2	59.25	-	-	P	H	
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													H	
			11000	49.39	-24.61	74	56.36	38.8	12.91	58.68	400	134	P	V
			11000	38.1	-15.9	54	45.07	38.8	12.91	58.68	400	134	A	V
			16500	45.55	-22.65	68.2	51	37.6	16.2	59.25	-	-	P	V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 116 5580MHz		11160	47.17	-26.83	74	53.85	38.85	12.98	58.51	-	-	P	H
		16740	52.08	-16.12	68.2	57.51	37.65	16.2	59.28	100	79	P	H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			11160	54.27	-19.73	74	60.95	38.85	12.98	58.51	100	226	P
		11160	44.03	-9.97	54	50.71	38.85	12.98	58.51	100	226	A	V
		16740	53.74	-14.46	68.2	59.17	37.65	16.2	59.28	100	216	P	V
													V
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WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 140 5700MHz		11400	46.67	-27.33	74	52.93	38.92	13.08	58.26	-	-	P	H
		17100	48.64	-19.56	68.2	53.62	38.09	16.22	59.29	-	-	P	H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
			11400	47.25	-26.75	74	53.51	38.92	13.08	58.26	-	-	P
		17100	48.69	-19.51	68.2	53.67	38.09	16.22	59.29	-	-	P	V
													V
													V
													V
													V
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													V
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													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11n HT20 CH 100 5500MHz		5458.97	54.02	-19.98	74	49.29	32.8	8.51	36.58	399	178	P	H	
		5465.77	62.17	-6.03	68.2	57.43	32.8	8.52	36.58	399	178	P	H	
		5459.82	45.77	-8.23	54	41.03	32.8	8.52	36.58	399	178	A	H	
	*	5500	98.07	-	-	93.29	32.8	8.56	36.58	399	178	P	H	
	*	5500	90.79	-	-	86.01	32.8	8.56	36.58	399	178	A	H	
														H
			5459.99	56.69	-17.31	74	51.95	32.8	8.52	36.58	100	220	P	V
			5469.85	64.9	-3.3	68.2	60.15	32.8	8.53	36.58	100	220	P	V
			5459.99	45.93	-8.07	54	41.19	32.8	8.52	36.58	100	220	A	V
	*		5500	100.15	-	-	95.37	32.8	8.56	36.58	100	220	P	V
	*		5500	92.92	-	-	88.14	32.8	8.56	36.58	100	220	A	V
													V	
802.11n HT20 CH 140 5700MHz	*	5700	101.03	-	-	95.33	33.5	8.76	36.56	400	183	P	H	
	*	5700	94.14	-	-	88.44	33.5	8.76	36.56	400	183	A	H	
			5726.75	64.18	-4.02	68.2	58.32	33.63	8.78	36.55	400	183	P	H
														H
														H
														H
	*		5700	101.66	-	-	95.96	33.5	8.76	36.56	113	229	P	V
	*		5700	94.5	-	-	88.8	33.5	8.76	36.56	113	229	A	V
			5725.175	64.96	-3.24	68.2	59.1	33.63	8.78	36.55	113	229	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11n HT20 CH 116 5580MHz		11160	45.57	-28.43	74	52.25	38.85	12.98	58.51	-	-	P	H	
		16740	50.57	-17.63	68.2	56	37.65	16.2	59.28	100	81	P	H	
													H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
													H	
			11160	46.32	-27.68	74	53	38.85	12.98	58.51	-	-	P	V
			16740	50.94	-17.26	68.2	56.37	37.65	16.2	59.28	100	215	P	V
														V
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Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT20 CH 100 5500MHz		5455.23	56.1	-17.9	74	51.38	32.8	8.51	36.59	400	179	P	H	
		5469.34	61.92	-6.28	68.2	57.17	32.8	8.53	36.58	400	179	P	H	
		5459.14	46.07	-7.93	54	41.33	32.8	8.52	36.58	400	179	A	H	
	*	5500	97.96	-	-	93.18	32.8	8.56	36.58	400	179	P	H	
	*	5500	90.62	-	-	85.84	32.8	8.56	36.58	400	179	A	H	
														H
			5457.95	57.59	-16.41	74	52.87	32.8	8.51	36.59	100	228	P	V
			5464.75	63.25	-4.95	68.2	58.51	32.8	8.52	36.58	100	228	P	V
			5459.99	47.2	-6.8	54	42.46	32.8	8.52	36.58	100	228	A	V
	*		5500	101.2	-	-	96.42	32.8	8.56	36.58	100	228	P	V
	*		5500	94.17	-	-	89.39	32.8	8.56	36.58	100	228	A	V
													V	
802.11ac VHT20 CH 140 5700MHz	*	5700	101.33	-	-	95.63	33.5	8.76	36.56	400	184	P	H	
	*	5700	94.19	-	-	88.49	33.5	8.76	36.56	400	184	A	H	
			5726.15	66.34	-1.86	68.2	60.48	33.63	8.78	36.55	400	184	P	H
														H
														H
														H
	*		5700	102.09	-	-	96.39	33.5	8.76	36.56	100	231	P	V
	*		5700	94.93	-	-	89.23	33.5	8.76	36.56	100	231	A	V
			5726.45	66.45	-1.75	68.2	60.59	33.63	8.78	36.55	100	231	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 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT20 CH 116 5580MHz		11160	45.73	-28.27	74	52.41	38.85	12.98	58.51	-	-	P	H	
		16740	50.33	-17.87	68.2	55.76	37.65	16.2	59.28	100	81	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11160	46.61	-27.39	74	53.29	38.85	12.98	58.51	-	-	P	V
			16740	51.27	-16.93	68.2	56.7	37.65	16.2	59.28	100	216	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	



**Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11ac VHT40 CH 102 5510MHz		5460.04	57.98	-10.22	68.2	53.24	32.8	8.52	36.58	398	155	P	H
		5469.91	63.42	-4.78	68.2	58.67	32.8	8.53	36.58	398	155	P	H
		5459.2	46.49	-7.51	54	41.75	32.8	8.52	36.58	398	155	A	H
	*	5510	94.8	-	-	89.99	32.82	8.57	36.58	398	155	P	H
	*	5510	87.39	-	-	82.58	32.82	8.57	36.58	398	155	A	H
		5727.515	47.31	-20.89	68.2	41.44	33.64	8.78	36.55	398	155	P	H
		5460.04	61.92	-6.28	68.2	57.18	32.8	8.52	36.58	105	230	P	V
		5469.7	65.04	-3.16	68.2	60.29	32.8	8.53	36.58	105	230	P	V
		5460	47.1	-6.9	54	42.36	32.8	8.52	36.58	105	230	A	V
	*	5510	95.57	-	-	90.76	32.82	8.57	36.58	105	230	P	V
	*	5510	88.38	-	-	83.57	32.82	8.57	36.58	105	230	A	V
		5761.535	47.77	-20.43	68.2	41.7	33.81	8.81	36.55	105	230	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



**Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT40 CH 110 5550MHz		11100	44.91	-29.09	74	51.7	38.83	12.95	58.57	-	-	P	H	
		16650	45.83	-22.37	68.2	51.27	37.63	16.2	59.27	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11100	45.2	-28.8	74	51.99	38.83	12.95	58.57	-	-	P	V
			16650	45	-23.2	68.2	50.44	37.63	16.2	59.27	-	-	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	
													V	



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11ac VHT80 CH 106 5530MHz		5448.67	59.82	-14.18	74	55.11	32.8	8.5	36.59	116	176	P	H
		5465.23	60.75	-7.45	68.2	56.01	32.8	8.52	36.58	116	176	P	H
		5456.03	45.26	-8.74	54	40.54	32.8	8.51	36.59	116	176	A	H
	*	5530	92.65	-	-	87.78	32.86	8.59	36.58	116	176	P	H
	*	5530	85.34	-	-	80.47	32.86	8.59	36.58	116	176	A	H
		5729.72	49.17	-19.03	68.2	43.29	33.65	8.78	36.55	116	176	P	H
		5459.02	59.95	-14.05	74	55.22	32.8	8.51	36.58	100	229	P	V
		5465.46	63.05	-5.15	68.2	58.31	32.8	8.52	36.58	100	229	P	V
		5459.71	47.55	-6.45	54	42.81	32.8	8.52	36.58	100	229	A	V
	*	5530	94.71	-	-	89.84	32.86	8.59	36.58	100	229	P	V
	*	5530	87.65	-	-	82.78	32.86	8.59	36.58	100	229	A	V
		5736.65	48	-20.2	68.2	42.08	33.68	8.79	36.55	100	229	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)	
802.11ac VHT80 CH 122 5610MHz		11220	45.71	-28.29	74	52.29	38.87	13	58.45	-	-	P	H	
		16830	46.05	-22.15	68.2	51.47	37.67	16.2	59.29	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
	802.11ac VHT80 CH 122 5610MHz		11220	47.15	-26.85	74	53.73	38.87	13	58.45	-	-	P	V
			16830	46.04	-22.16	68.2	51.46	37.67	16.2	59.29	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Band 3 5470~5725MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5459.65	59.52	-14.48	74	54.78	32.8	8.52	36.58	400	6	P	H
		5468.83	61.63	-6.57	68.2	56.88	32.8	8.53	36.58	400	6	P	H
		5459.99	46.32	-7.68	54	41.58	32.8	8.52	36.58	400	6	A	H
	*	5500	100.77	-	-	95.99	32.8	8.56	36.58	400	6	P	H
	*	5500	91.76	-	-	86.98	32.8	8.56	36.58	400	6	A	H
		5459.14	60.43	-13.57	74	55.69	32.8	8.52	36.58	100	49	P	V
		5468.83	61.9	-6.3	68.2	57.15	32.8	8.53	36.58	100	49	P	V
		5459.82	46.6	-7.4	54	41.86	32.8	8.52	36.58	100	49	A	V
	*	5500	101.06	-	-	96.28	32.8	8.56	36.58	100	49	P	V
	*	5500	92.76	-	-	87.98	32.8	8.56	36.58	100	49	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5445.25	45.99	-28.01	74	41.28	32.8	8.5	36.59	400	344	P	H
		5460.75	45.29	-22.91	68.2	40.55	32.8	8.52	36.58	400	344	P	H
		5457.28	36.73	-17.27	54	32.01	32.8	8.51	36.59	400	344	A	H
	*	5580	102.84	-	-	97.8	32.96	8.65	36.57	400	344	P	H
	*	5580	92.39	-	-	87.35	32.96	8.65	36.57	400	344	A	H
		5745.155	48.85	-19.35	68.2	42.88	33.73	8.79	36.55	400	344	P	H
		5382.25	45.96	-28.04	74	41.31	32.8	8.44	36.59	288	44	P	V
		5462.25	46.29	-21.91	68.2	41.55	32.8	8.52	36.58	288	44	P	V
		5458	36.84	-17.16	54	32.12	32.8	8.51	36.59	288	44	A	V
	*	5580	100.99	-	-	95.95	32.96	8.65	36.57	288	44	P	V
	*	5580	93.22	-	-	88.18	32.96	8.65	36.57	288	44	A	V
		5731.925	47.69	-20.51	68.2	41.8	33.66	8.78	36.55	288	44	P	V



802.11ax HE20 Full CH 140 5700MHz	*	5700	101.36	-	-	95.66	33.5	8.76	36.56	400	8	P	H
	*	5700	92.38	-	-	86.68	33.5	8.76	36.56	400	8	A	H
		5725.925	62.46	-5.74	68.2	56.6	33.63	8.78	36.55	400	8	P	H
													H
													H
													H
	*	5700	100.72	-	-	95.02	33.5	8.76	36.56	100	40	P	V
	*	5700	92.53	-	-	86.83	33.5	8.76	36.56	100	40	A	V
		5725.325	62.69	-5.51	68.2	56.83	33.63	8.78	36.55	100	40	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	50.33	-23.67	74	57.3	38.8	12.91	58.68	100	255	P	H	
		11000	40.44	-13.56	54	47.41	38.8	12.91	58.68	100	255	A	H	
		16500	52.87	-15.33	68.2	58.32	37.6	16.2	59.25	100	296	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11000	48.3	-25.7	74	55.27	38.8	12.91	58.68	397	116	P	V
			11000	38.71	-15.29	54	45.68	38.8	12.91	58.68	397	116	A	V
			16500	46.46	-21.74	68.2	51.91	37.6	16.2	59.25	-	-	P	V
														V
														V
														V
														V
														V
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 116 5580MHz		11160	46.58	-27.42	74	53.26	38.85	12.98	58.51	-	-	P	H
		16740	46.29	-21.91	68.2	51.72	37.65	16.2	59.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			11160	47.01	-26.99	74	53.69	38.85	12.98	58.51	-	-	P
		16740	46.98	-21.22	68.2	52.41	37.65	16.2	59.28	-	-	P	V
													V
													V
													V
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													V



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 140 5700MHz		11400	46.11	-27.89	74	52.37	38.92	13.08	58.26	-	-	P	H	
		17100	52.14	-16.06	68.2	57.12	38.09	16.22	59.29	100	298	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
			11400	45.94	-28.06	74	52.2	38.92	13.08	58.26	-	-	P	V
			17100	51.77	-16.43	68.2	56.75	38.09	16.22	59.29	245	131	P	V
													V	
													V	
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													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 3 5470~5725MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 26/0 CH 100 5260MHz		5457.95	68.62	-5.38	74	63.9	32.8	8.51	36.59	400	327	P	H	
		5470	59.63	-8.57	68.2	54.88	32.8	8.53	36.58	400	327	P	H	
		5459.31	51.92	-2.08	54	47.18	32.8	8.52	36.58	400	327	A	H	
	*	5500	105.42	-	-	100.64	32.8	8.56	36.58	400	327	P	H	
	*	5500	98.45	-	-	93.67	32.8	8.56	36.58	400	327	A	H	
														H
			5457.44	66.85	-7.15	74	62.13	32.8	8.51	36.59	316	21	P	V
			5460.16	63.7	-4.5	68.2	58.96	32.8	8.52	36.58	316	21	P	V
			5458.12	51.13	-2.87	54	46.41	32.8	8.51	36.59	316	21	A	V
	*		5500	106.68	-	-	101.9	32.8	8.56	36.58	316	21	P	V
	*		5500	101.21	-	-	96.43	32.8	8.56	36.58	316	21	A	V
														V
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	109.72	-	-	104.02	33.5	8.76	36.56	329	360	P	H	
	*	5700	101.76	-	-	96.06	33.5	8.76	36.56	329	360	A	H	
		5727.125	61.56	-6.64	68.2	55.69	33.64	8.78	36.55	329	360	P	H	
														H
														H
														H
	*	5700	110.69	-	-	104.99	33.5	8.76	36.56	100	44	P	V	
	*	5700	102.86	-	-	97.16	33.5	8.76	36.56	100	44	A	V	
			5726.975	62.15	-6.05	68.2	56.29	33.63	8.78	36.55	100	44	P	V
														V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 26/0 CH 100 5500MHz		10982	54.82	-19.18	74	61.82	38.79	12.9	58.69	354	77	P	H	
		10982	42.92	-11.08	54	49.92	38.79	12.9	58.69	354	77	A	H	
		16471	59.77	-8.43	68.2	65.21	37.59	16.19	59.22	262	210	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10982	58.42	-15.58	74	65.42	38.79	12.9	58.69	265	226	P	V
			10982	46.36	-7.64	54	53.36	38.79	12.9	58.69	265	226	A	V
		16471	58.51	-9.69	68.2	63.95	37.59	16.19	59.22	100	108	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 26/4 CH 116 5580MHz		11158	54.54	-19.46	74	61.22	38.85	12.98	58.51	400	92	P	H	
		11158	41.42	-12.58	54	48.1	38.85	12.98	58.51	400	92	A	H	
		16735	57.43	-10.77	68.2	62.86	37.65	16.2	59.28	311	215	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
													H	
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													H	
			11158	57.86	-16.14	74	64.54	38.85	12.98	58.51	272	223	P	V
			11158	44.5	-9.5	54	51.18	38.85	12.98	58.51	272	223	A	V
		16735	58.56	-9.64	68.2	63.99	37.65	16.2	59.28	100	106	P	V	
													V	
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													V	
													V	



WiFi Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
s802.11ax HE20		11422	46.55	-27.45	74	52.76	38.93	13.09	58.23	-	-	P	H
		17120	55.12	-13.08	68.2	60.01	38.17	16.23	59.29	300	213	P	H
													H
													H
													H
													H
													H
													H
													H
													H
Partial 26/8 CH 140 5700MHz		11422	57.41	-16.59	74	63.62	38.93	13.09	58.23	264	222	P	V
		11422	42.44	-11.56	54	48.65	38.93	13.09	58.23	264	222	A	V
		17120	60.22	-7.98	68.2	65.11	38.17	16.23	59.29	100	105	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 3 5470~5725MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 52/37 CH 100 5500MHz		5458.8	56.6	-17.4	74	51.87	32.8	8.51	36.58	350	360	P	H	
		5462.03	64.28	-3.92	68.2	59.54	32.8	8.52	36.58	350	360	P	H	
		5459.65	42.56	-11.44	54	37.82	32.8	8.52	36.58	350	360	A	H	
	*	5500	103.77	-	-	98.99	32.8	8.56	36.58	350	360	P	H	
	*	5500	96.91	-	-	92.13	32.8	8.56	36.58	350	360	A	H	
														H
			5458.63	68.96	-5.04	74	64.23	32.8	8.51	36.58	119	45	P	V
			5464.07	64.84	-3.36	68.2	60.1	32.8	8.52	36.58	119	45	P	V
			5459.14	49.11	-4.89	54	44.37	32.8	8.52	36.58	119	45	A	V
	*		5500	107.67	-	-	102.89	32.8	8.56	36.58	119	45	P	V
	*		5500	100.12	-	-	95.34	32.8	8.56	36.58	119	45	A	V
													V	
802.11ax HE20 Partial 52/40 CH 140 5700MHz	*	5700	106.24	-	-	100.54	33.5	8.76	36.56	381	360	P	H	
	*	5700	100.44	-	-	94.74	33.5	8.76	36.56	381	360	A	H	
			5725.925	62.33	-5.87	68.2	56.47	33.63	8.78	36.55	381	360	P	H
														H
														H
														H
	*		5700	106.49	-	-	100.79	33.5	8.76	36.56	100	40	P	V
	*		5700	99.98	-	-	94.28	33.5	8.76	36.56	100	40	A	V
			5725.925	63.59	-4.61	68.2	57.73	33.63	8.78	36.55	100	40	P	V
														V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 5470~5725MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5459.48	53.06	-20.94	74	48.32	32.8	8.52	36.58	398	360	P	H	
		5469.17	60.78	-7.42	68.2	56.03	32.8	8.53	36.58	398	360	P	H	
		5459.65	40.16	-13.84	54	35.42	32.8	8.52	36.58	398	360	A	H	
	*	5500	101.99	-	-	97.21	32.8	8.56	36.58	398	360	P	H	
	*	5500	94.26	-	-	89.48	32.8	8.56	36.58	398	360	A	H	
														H
			5459.99	57.96	-16.04	74	53.22	32.8	8.52	36.58	100	45	P	V
			5468.66	62.86	-5.34	68.2	58.11	32.8	8.53	36.58	100	45	P	V
			5459.31	43.32	-10.68	54	38.58	32.8	8.52	36.58	100	45	A	V
	*		5500	105.45	-	-	100.67	32.8	8.56	36.58	100	45	P	V
	*		5500	97.07	-	-	92.29	32.8	8.56	36.58	100	45	A	V
														V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	103.24	-	-	97.54	33.5	8.76	36.56	269	0	P	H	
	*	5700	95.93	-	-	90.23	33.5	8.76	36.56	269	0	A	H	
			5725.25	64.3	-3.9	68.2	58.44	33.63	8.78	36.55	269	0	P	H
														H
														H
														H
	*		5700	105.06	-	-	99.36	33.5	8.76	36.56	262	34	P	V
	*		5700	97.68	-	-	91.98	33.5	8.76	36.56	262	34	A	V
			5729.15	65.18	-3.02	68.2	59.3	33.65	8.78	36.55	262	34	P	V
														V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5458.15	62.11	-11.89	74	57.39	32.8	8.51	36.59	400	4	P	H
		5469.07	65.84	-2.36	68.2	61.09	32.8	8.53	36.58	400	4	P	H
		5460	49.2	-4.8	54	44.46	32.8	8.52	36.58	400	4	A	H
	*	5510	97.17	-	-	92.36	32.82	8.57	36.58	400	4	P	H
	*	5510	88.15	-	-	83.34	32.82	8.57	36.58	400	4	A	H
		5730.665	47.83	-20.37	68.2	41.95	33.65	8.78	36.55	400	4	P	H
		5459.83	64.18	-9.82	74	59.44	32.8	8.52	36.58	100	42	P	V
		5468.23	65.95	-2.25	68.2	61.2	32.8	8.53	36.58	100	42	P	V
		5460	49.71	-4.29	54	44.97	32.8	8.52	36.58	100	42	A	V
	*	5510	97.53	-	-	92.72	32.82	8.57	36.58	100	42	P	V
	*	5510	89.38	-	-	84.57	32.82	8.57	36.58	100	42	A	V
		5748.935	46.45	-21.75	68.2	40.46	33.74	8.8	36.55	100	42	P	V
802.11ax HE40 Full CH 110 5550MHz		5425.68	46.5	-27.5	74	41.81	32.8	8.48	36.59	343	352	P	H
		5460	45.28	-22.92	68.2	40.54	32.8	8.52	36.58	343	352	P	H
		5450.32	37.45	-16.55	54	32.73	32.8	8.51	36.59	343	352	A	H
	*	5550	96.6	-	-	91.66	32.9	8.61	36.57	343	352	P	H
	*	5550	87.11	-	-	82.17	32.9	8.61	36.57	343	352	A	H
		5752.085	49.62	-18.58	68.2	43.61	33.76	8.8	36.55	343	352	P	H
		5452.08	46.82	-27.18	74	42.1	32.8	8.51	36.59	318	40	P	V
		5463.3	46.58	-21.62	68.2	41.84	32.8	8.52	36.58	318	40	P	V
		5456.04	37.52	-16.48	54	32.8	32.8	8.51	36.59	318	40	A	V
	*	5550	98.96	-	-	94.02	32.9	8.61	36.57	318	40	P	V
	*	5550	89.28	-	-	84.34	32.9	8.61	36.57	318	40	A	V
		5740.745	47.14	-21.06	68.2	41.2	33.7	8.79	36.55	318	40	P	V



802.11ax HE40 Full CH 134 5670MHz		5441.7	45.22	-28.78	74	40.51	32.8	8.5	36.59	313	0	P	H
		5466.9	45.56	-22.64	68.2	40.82	32.8	8.52	36.58	313	0	P	H
		5455.35	36.92	-17.08	54	32.2	32.8	8.51	36.59	313	0	A	H
	*	5670	102.67	-	-	97.15	33.35	8.73	36.56	313	0	P	H
	*	5670	94.06	-	-	88.54	33.35	8.73	36.56	313	0	A	H
		5725	62.4	-5.8	68.2	56.55	33.62	8.78	36.55	313	0	P	H
		5452.55	44.81	-29.19	74	40.09	32.8	8.51	36.59	100	45	P	V
		5465.15	44.04	-24.16	68.2	39.3	32.8	8.52	36.58	100	45	P	V
		5457.45	36.79	-17.21	54	32.07	32.8	8.51	36.59	100	45	A	V
	*	5670	100.65	-	-	95.13	33.35	8.73	36.56	100	45	P	V
	*	5670	92.3	-	-	86.78	33.35	8.73	36.56	100	45	A	V
		5734.2	62.18	-6.02	68.2	56.28	33.67	8.78	36.55	100	45	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.49	-28.51	74	52.42	38.81	12.92	58.66	-	-	P	H	
		16530	46.55	-21.65	68.2	51.99	37.61	16.2	59.25	-	-	P	H	
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													H	
			11020	46.29	-27.71	74	53.22	38.81	12.92	58.66	-	-	P	V
			16530	46.37	-21.83	68.2	51.81	37.61	16.2	59.25	-	-	P	V
													V	
													V	
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WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 110 5550MHz		11100	45.66	-28.34	74	52.45	38.83	12.95	58.57	-	-	P	H	
		16650	46.77	-21.43	68.2	52.21	37.63	16.2	59.27	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11100	45.48	-28.52	74	52.27	38.83	12.95	58.57	-	-	P	V
			16650	45.42	-22.78	68.2	50.86	37.63	16.2	59.27	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 134 5670MHz		11380	46.48	-27.52	74	52.78	38.91	13.07	58.28	-	-	P	H
		17070	47.34	-20.86	68.2	52.46	37.97	16.21	59.3	-	-	P	H
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													H
													H
													H
													H
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													H
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													H
													H
													H
			11380	47	-27	74	53.3	38.91	13.07	58.28	-	-	P
		17070	46.91	-21.29	68.2	52.03	37.97	16.21	59.3	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
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													V
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													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5457.41	62.11	-11.89	74	57.39	32.8	8.51	36.59	379	0	P	H
		5464.08	63.45	-4.75	68.2	58.71	32.8	8.52	36.58	379	0	P	H
		5459.25	49.18	-4.82	54	44.44	32.8	8.52	36.58	379	0	A	H
	*	5530	93.71	-	-	88.84	32.86	8.59	36.58	379	0	P	H
	*	5530	85.58	-	-	80.71	32.86	8.59	36.58	379	0	A	H
		5727.2	49.31	-18.89	68.2	43.44	33.64	8.78	36.55	379	0	P	H
		5458.56	64.59	-9.41	74	59.86	32.8	8.51	36.58	100	53	P	V
		5466.84	63.07	-5.13	68.2	58.33	32.8	8.52	36.58	100	53	P	V
		5458.79	50.75	-3.25	54	46.02	32.8	8.51	36.58	100	53	A	V
	*	5530	94.85	-	-	89.98	32.86	8.59	36.58	100	53	P	V
	*	5530	86.9	-	-	82.03	32.86	8.59	36.58	100	53	A	V
		5734.76	50.1	-18.1	68.2	44.2	33.67	8.78	36.55	100	53	P	V
802.11ax HE80 Full CH 122 5610MHz		5355.89	46.06	-27.94	74	41.43	32.8	8.43	36.6	352	356	P	H
		5460.67	45.79	-22.41	68.2	41.05	32.8	8.52	36.58	352	356	P	H
		5459.12	37.6	-16.4	54	32.86	32.8	8.52	36.58	352	356	A	H
	*	5610	93.83	-	-	88.67	33.05	8.68	36.57	352	356	P	H
	*	5610	86.45	-	-	81.29	33.05	8.68	36.57	352	356	A	H
		5731.925	51.42	-16.78	68.2	45.53	33.66	8.78	36.55	352	356	P	H
		5401.77	46.05	-27.95	74	41.39	32.8	8.45	36.59	297	42	P	V
		5466.87	47.47	-20.73	68.2	42.73	32.8	8.52	36.58	297	42	P	V
		5459.12	37.94	-16.06	54	33.2	32.8	8.52	36.58	297	42	A	V
	*	5610	95.77	-	-	90.61	33.05	8.68	36.57	297	42	P	V
	*	5610	87.26	-	-	82.1	33.05	8.68	36.57	297	42	A	V
	5731.925	53.65	-14.55	68.2	47.76	33.66	8.78	36.55	297	42	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.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	45.46	-28.54	74	52.33	38.82	12.93	58.62	-	-	P	H	
		16590	46	-22.2	68.2	51.44	37.62	16.2	59.26	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11060	45.79	-28.21	74	52.66	38.82	12.93	58.62	-	-	P	V
			16590	45.86	-22.34	68.2	51.3	37.62	16.2	59.26	-	-	P	V
														V
														V
														V
														V
														V
													V	



WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 122 5610MHz		11220	45.83	-28.17	74	52.41	38.87	13	58.45	-	-	P	H
		16830	45.31	-22.89	68.2	50.73	37.67	16.2	59.29	-	-	P	H
													H
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													H
													H
													H
													H
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.											



Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5415.52	45.6	-28.4	74	40.92	32.8	8.47	36.59	384	354	P	H
		5463.49	45.95	-22.25	68.2	41.21	32.8	8.52	36.58	384	354	P	H
		5433.85	36.55	-17.45	54	31.85	32.8	8.49	36.59	384	354	A	H
	*	5720	105.8	-	-	99.98	33.6	8.77	36.55	384	354	P	H
	*	5720	98.5	-	-	92.68	33.6	8.77	36.55	384	354	A	H
		5898.5	47.56	-20.64	68.2	40.99	34.2	8.9	36.53	384	354	P	H
		5451.01	45.2	-28.8	74	40.48	32.8	8.51	36.59	100	34	P	V
		5466.22	45.57	-22.63	68.2	40.83	32.8	8.52	36.58	100	34	P	V
		5458.03	36.58	-17.42	54	31.86	32.8	8.51	36.59	100	34	A	V
	*	5720	105.47	-	-	99.65	33.6	8.77	36.55	100	34	P	V
	*	5720	98.09	-	-	92.27	33.6	8.77	36.55	100	34	A	V
		5851.5	47.29	-20.91	68.2	40.86	34.1	8.87	36.54	100	34	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.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	51.75	-22.25	74	57.93	38.93	13.1	58.21	100	249	P	H	
		11440	41.29	-12.71	54	47.47	38.93	13.1	58.21	100	249	A	H	
		17160	53.34	-14.86	68.2	58.07	38.32	16.23	59.28	100	251	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11440	52.55	-21.45	74	58.73	38.93	13.1	58.21	249	149	P	V
			11440	41.34	-12.66	54	47.52	38.93	13.1	58.21	249	149	A	V
			17160	52.7	-15.5	68.2	57.43	38.32	16.23	59.28	247	117	P	V
														V
														V
														V
														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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5375.74	45.81	-28.19	74	41.16	32.8	8.44	36.59	341	356	P	H
		5460.76	45.98	-22.22	68.2	41.24	32.8	8.52	36.58	341	356	P	H
		5459.2	36.54	-17.46	54	31.8	32.8	8.52	36.58	341	356	A	H
	*	5720	104.48	-	-	98.66	33.6	8.77	36.55	341	356	P	H
	*	5720	93.99	-	-	88.17	33.6	8.77	36.55	341	356	A	H
		5938	48.68	-19.52	68.2	42.17	34.12	8.92	36.53	341	356	P	H
		5422.93	47.76	-26.24	74	43.07	32.8	8.48	36.59	301	40	P	V
		5463.88	47	-21.2	68.2	42.26	32.8	8.52	36.58	301	40	P	V
		5452.18	36.48	-17.52	54	31.76	32.8	8.51	36.59	301	40	A	V
	*	5720	102.58	-	-	96.76	33.6	8.77	36.55	301	40	P	V
	*	5720	95.14	-	-	89.32	33.6	8.77	36.55	301	40	A	V
		5884	49.58	-18.62	68.2	43.05	34.17	8.89	36.53	301	40	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.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	45.61	-28.39	74	51.79	38.93	13.1	58.21	-	-	P	H	
		17160	46.87	-21.33	68.2	51.6	38.32	16.23	59.28	-	-	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
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													H	
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													H	
													H	
													H	
			11440	46.75	-27.25	74	52.93	38.93	13.1	58.21	-	-	P	V
			17160	49.08	-19.12	68.2	53.81	38.32	16.23	59.28	-	-	P	V
													V	
													V	
													V	
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													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5366.38	45.69	-28.31	74	41.05	32.8	8.44	36.6	348	355	P	H
		5466.22	45.49	-22.71	68.2	40.75	32.8	8.52	36.58	348	355	P	H
		5454.91	36.84	-17.16	54	32.12	32.8	8.51	36.59	348	355	A	H
	*	5710	100.96	-	-	95.2	33.55	8.76	36.55	348	355	P	H
	*	5710	89.64	-	-	83.88	33.55	8.76	36.55	348	355	A	H
		5934.75	48.89	-19.31	68.2	42.37	34.13	8.92	36.53	348	355	P	H
		5458.03	45.47	-28.53	74	40.75	32.8	8.51	36.59	304	39	P	V
		5467.39	44.7	-23.5	68.2	39.96	32.8	8.52	36.58	304	39	P	V
		5453.35	36.91	-17.09	54	32.19	32.8	8.51	36.59	304	39	A	V
	*	5710	101.08	-	-	95.32	33.55	8.76	36.55	304	39	P	V
	*	5710	91.56	-	-	85.8	33.55	8.76	36.55	304	39	A	V
		5909.5	48.88	-19.32	68.2	42.32	34.18	8.91	36.53	304	39	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	46.61	-27.39	74	52.82	38.93	13.09	58.23	-	-	P	H	
		17130	46.88	-21.32	68.2	51.73	38.21	16.22	59.28	-	-	P	H	
													H	
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													H	
													H	
			11420	46.82	-27.18	74	53.03	38.93	13.09	58.23	-	-	P	V
			17130	47.94	-20.26	68.2	52.79	38.21	16.22	59.28	-	-	P	V
													V	
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Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5401.09	46.52	-27.48	74	41.86	32.8	8.45	36.59	365	358	P	H
		5464.66	44.82	-23.38	68.2	40.08	32.8	8.52	36.58	365	358	P	H
		5443.21	37.04	-16.96	54	32.33	32.8	8.5	36.59	365	358	A	H
	*	5690	95.34	-	-	89.7	33.45	8.75	36.56	365	358	P	H
	*	5690	86.9	-	-	81.26	33.45	8.75	36.56	365	358	A	H
		5902	48.12	-20.08	68.2	41.55	34.2	8.9	36.53	365	358	P	H
		5436.58	46.55	-27.45	74	41.85	32.8	8.49	36.59	301	44	P	V
		5465.83	44.86	-23.34	68.2	40.12	32.8	8.52	36.58	301	44	P	V
		5456.08	37.33	-16.67	54	32.61	32.8	8.51	36.59	301	44	A	V
	*	5690	97.03	-	-	91.39	33.45	8.75	36.56	301	44	P	V
	*	5690	87.98	-	-	82.34	33.45	8.75	36.56	301	44	A	V
	5933.5	48.75	-19.45	68.2	42.23	34.13	8.92	36.53	301	44	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.24	-28.76	74	51.54	38.91	13.07	58.28	-	-	P	H	
		17070	45.89	-22.31	68.2	51.01	37.97	16.21	59.3	-	-	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
			11380	45.33	-28.67	74	51.63	38.91	13.07	58.28	-	-	P	V
			17070	45.59	-22.61	68.2	50.71	37.97	16.21	59.3	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Emission above 18GHz
5GHz WIFI 802.11ac VHT20 (SHF@ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
5GHz 802.11ac VHT20 SHF		39565	47.75	-26.25	74	59.96	44.51	-0.3	56.42	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
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													H	
													H	
			39927.5	47.99	-26.01	74	59.71	44.49	-0.22	55.99	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Emission below 1GHz

5GHz WIFI 802.11ac VHT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
5GHz 802.11ac VHT20 LF		31.62	27.9	-12.1	40	35.46	24.03	0.73	32.32	-	-	P	H	
		65.82	24.36	-15.64	40	43.53	12.14	1.07	32.38	-	-	P	H	
		102.54	29.1	-14.4	43.5	44.06	16.08	1.32	32.36	-	-	P	H	
		131.16	27.23	-16.27	43.5	40.59	17.56	1.44	32.36	-	-	P	H	
		193.44	27.23	-16.27	43.5	43.04	14.69	1.84	32.34	-	-	P	H	
		338.4	28.87	-17.13	46	39.13	19.88	2.23	32.37	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			30	24.15	-15.85	40	31.18	24.64	0.72	32.39	-	-	P	V
			64.38	27.48	-12.52	40	46.72	12.11	1.07	32.42	-	-	P	V
			94.8	29.98	-13.52	43.5	45.9	15.21	1.29	32.42	-	-	P	V
			172.56	24.24	-19.26	43.5	39.41	15.47	1.76	32.4	-	-	P	V
			716	31.4	-14.6	46	34.22	26.27	3.2	32.29	-	-	P	V
			924.8	31.4	-14.6	46	30.4	28.56	3.68	31.24	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	

Remark

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



Note symbol

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



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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 :	Daniel Lee, Quentin Liu, and Bigshow Wang	Temperature :	21.0~23.4°C
		Relative Humidity :	47~59%

Note symbol

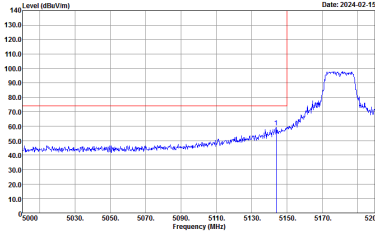
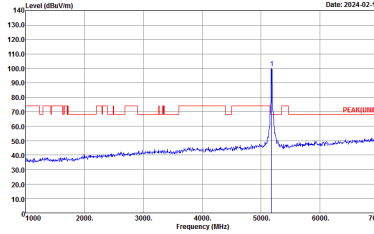
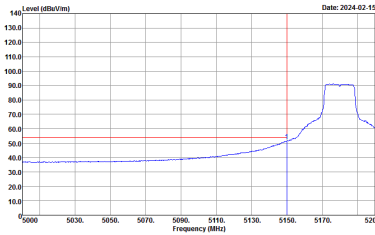
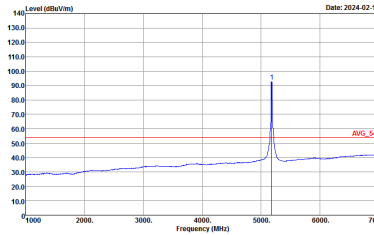
-L	Low channel location
-R	High channel location



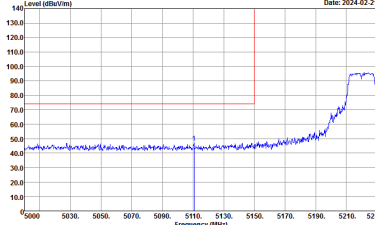
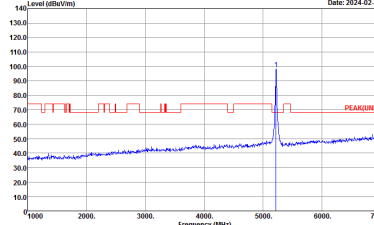
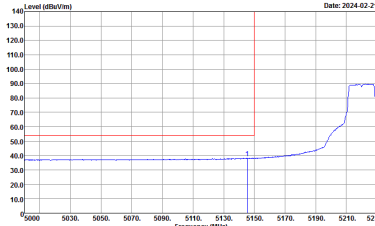
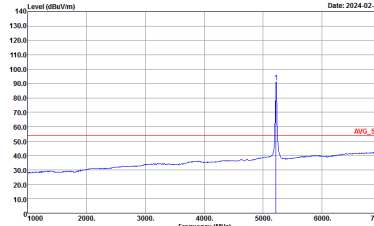
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). Each cell contains a spectral plot (Horizontal and Fundamental) with associated site and condition details.

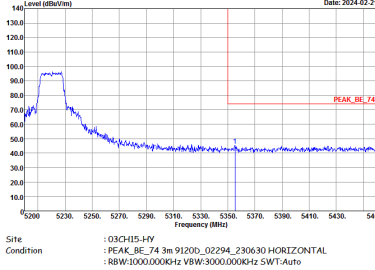
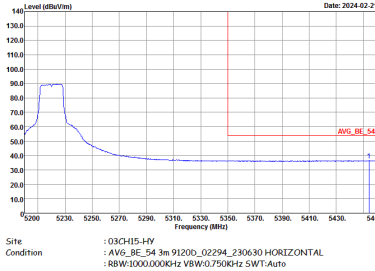


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

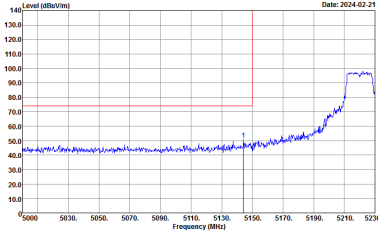
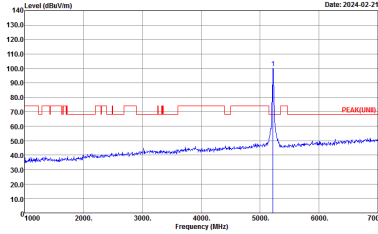
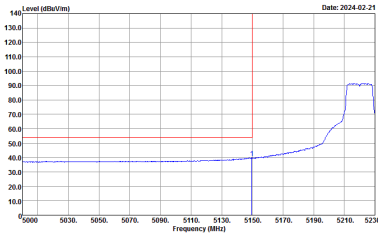
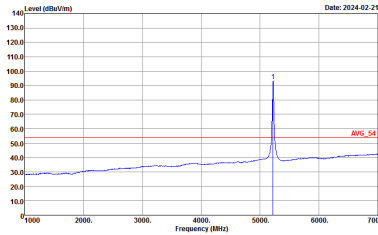


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

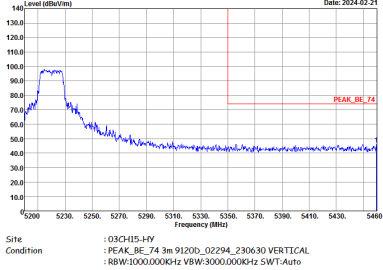
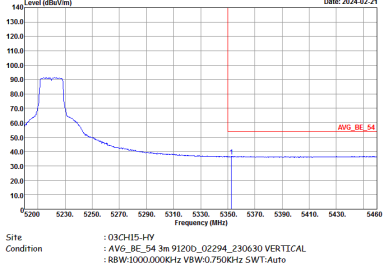


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

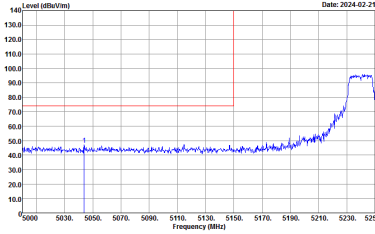
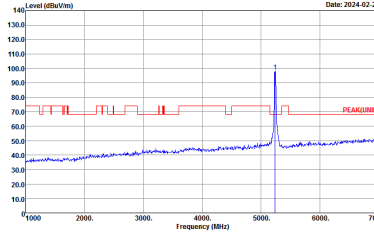
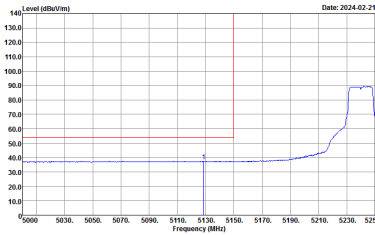
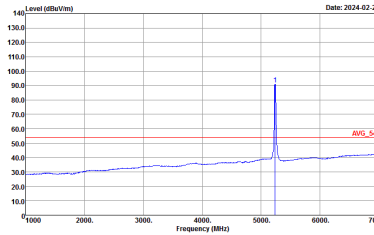


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Vertical	Fundamental
Peak	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

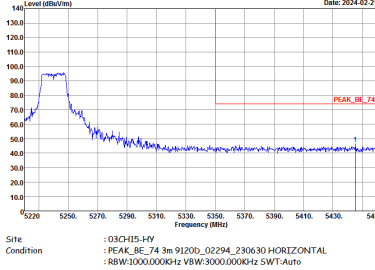
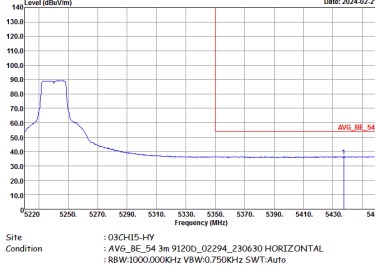


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

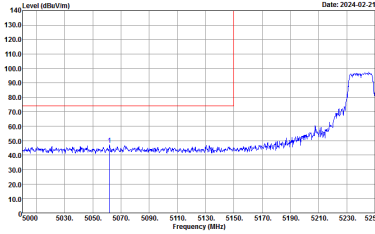
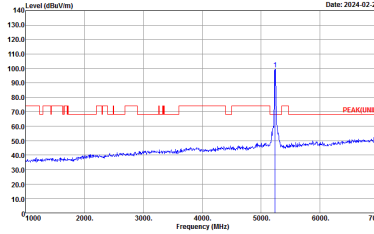
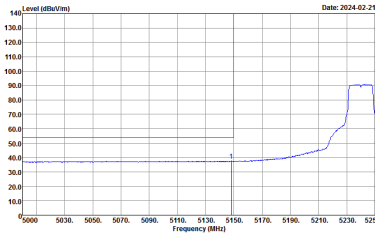
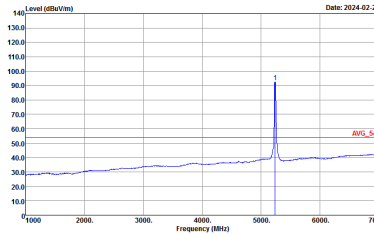


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

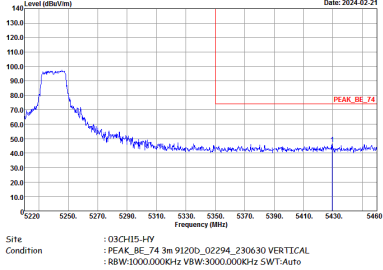
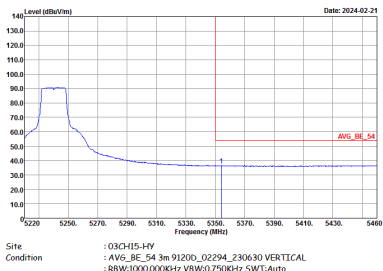


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



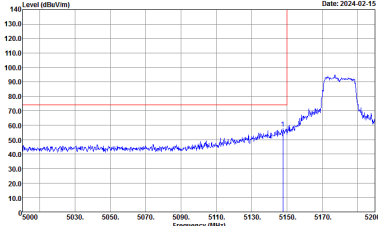
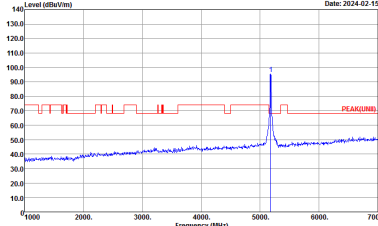
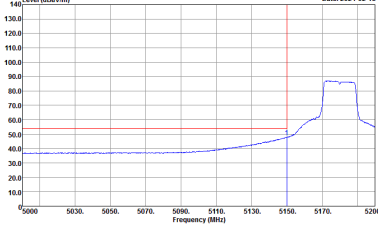
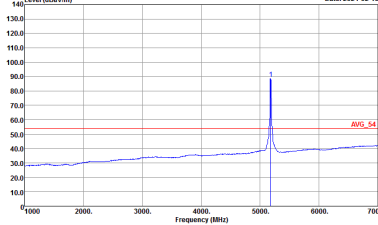
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



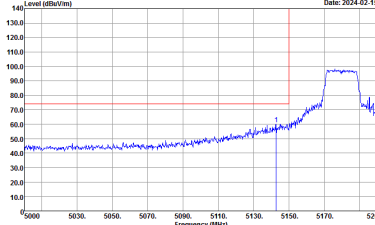
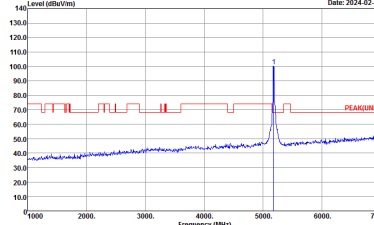
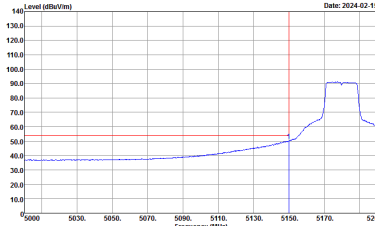
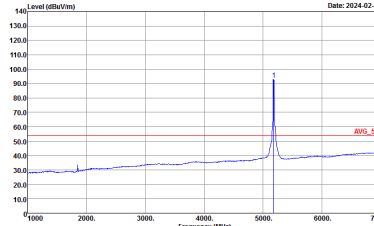
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWF:Auto</p>	Left blank



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

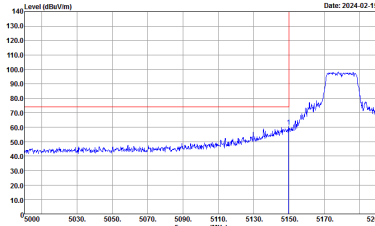
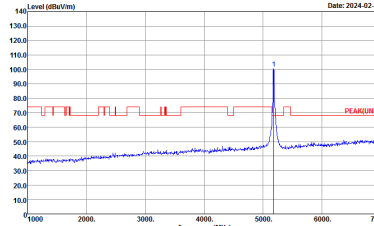
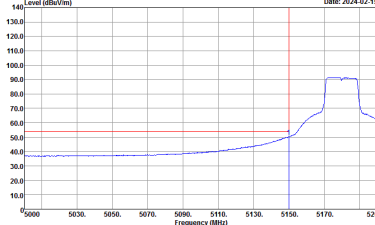
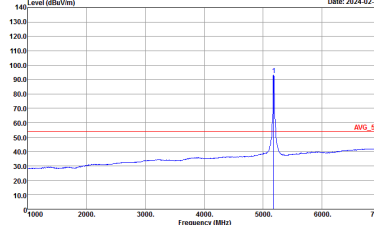
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



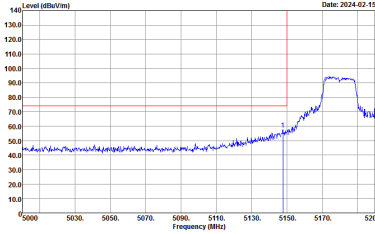
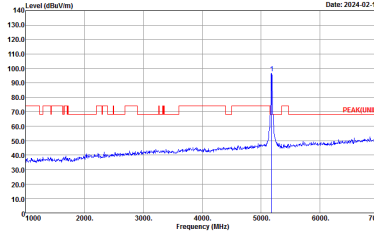
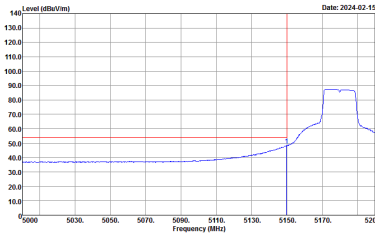
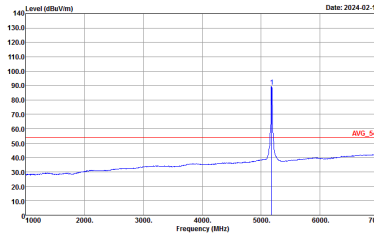
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



**Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



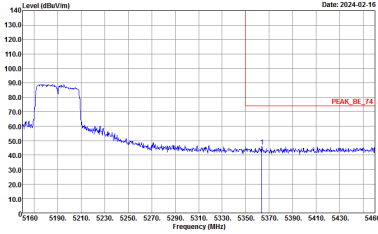
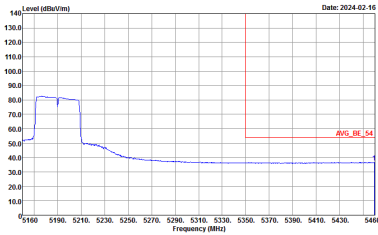
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 5180 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 5000 to 5200 MHz. A red vertical line marks the peak at 5180 MHz.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 5180 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5180 MHz.</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 5000 to 5200 MHz. A red vertical line marks the peak at 5180 MHz.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5180 MHz.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



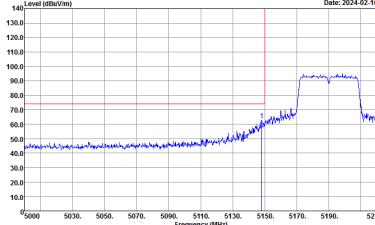
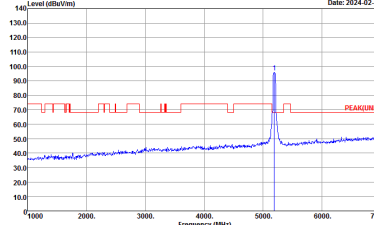
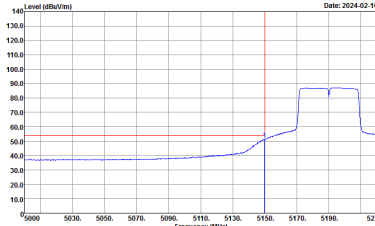
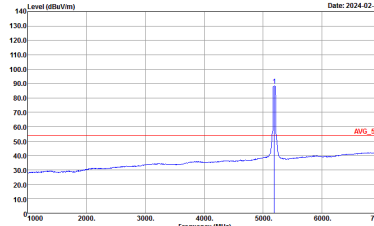
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). Each cell contains a graph (Horizontal or Fundamental) and technical details like Site Condition and Date.

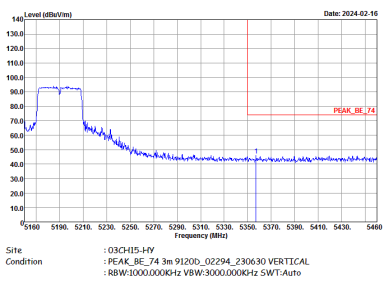
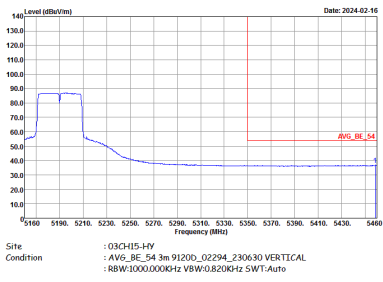


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWF:Auto</p>	Left blank



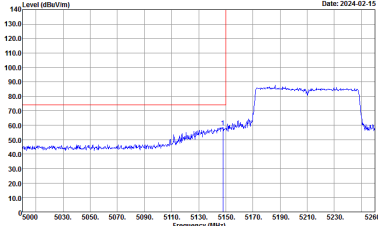
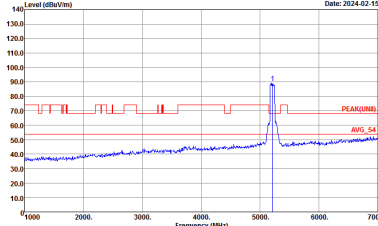
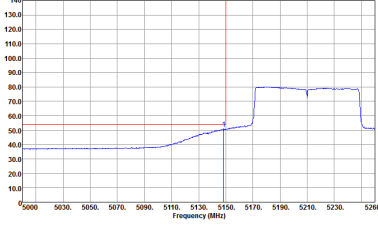
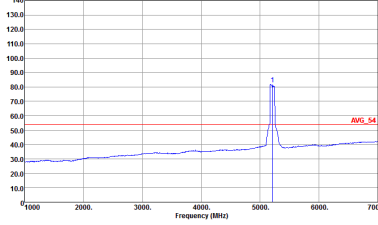
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>



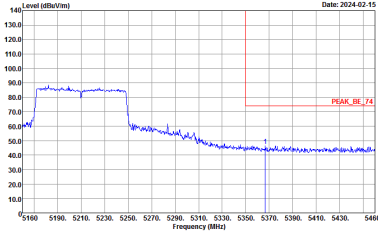
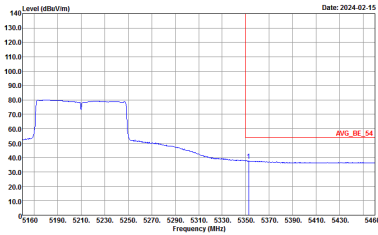
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:820KHz SWF:Auto</p>	Left blank



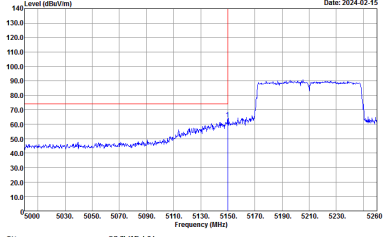
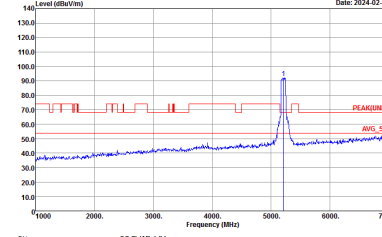
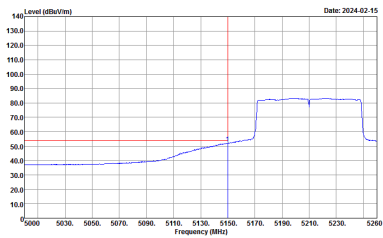
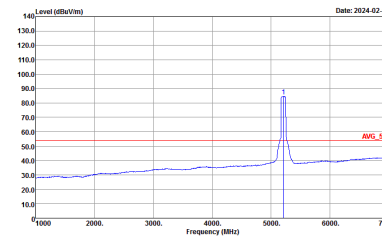
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-4Y : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-4Y : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-4Y : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.910KHz SWT:Auto</p>	 <p>Date: 2024-02-15</p> <p>Site Condition : 03CH15-4Y : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.910KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-15</p> <p>Site : 03CH15-HY Condition : -PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Date: 2024-02-15</p> <p>Site : 03CH15-HY Condition : -AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:910KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:910KHz SWT:Auto</p>



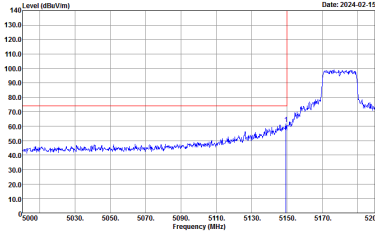
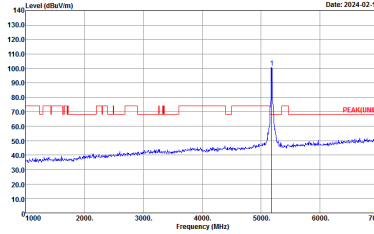
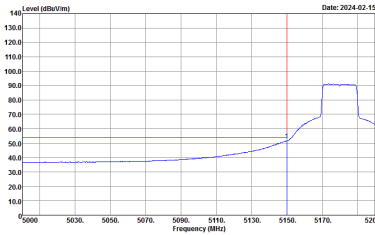
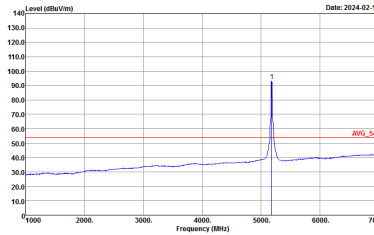
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



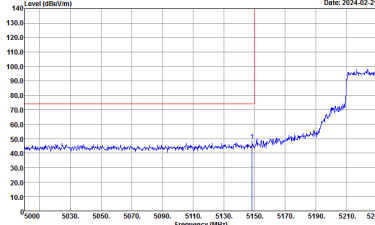
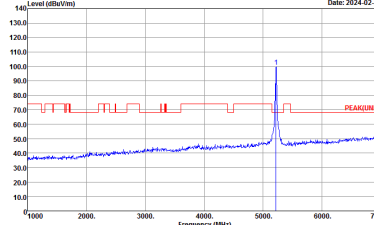
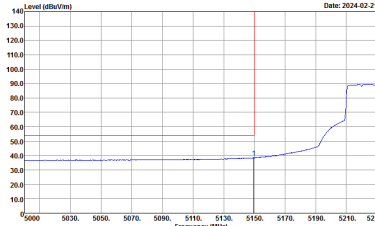
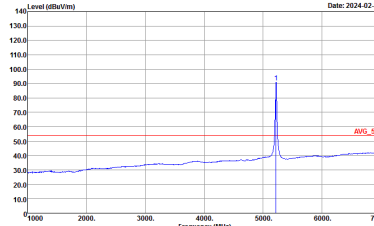
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). Each cell contains a spectral plot (Horizontal and Fundamental) with associated site and condition details.

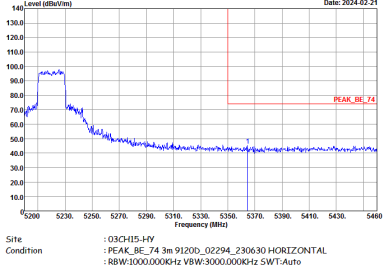
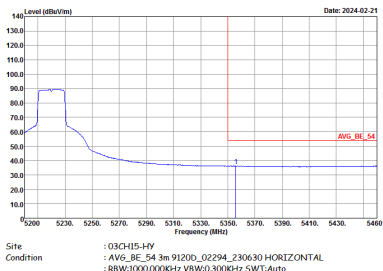


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_F_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

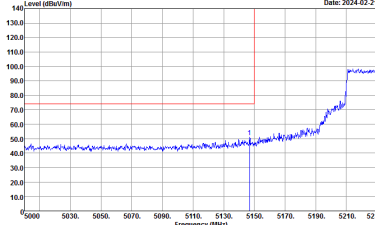
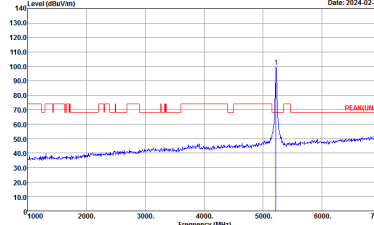
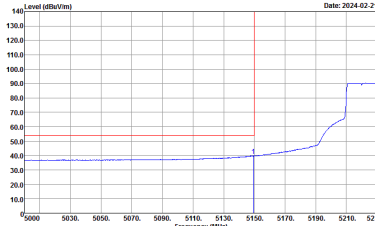
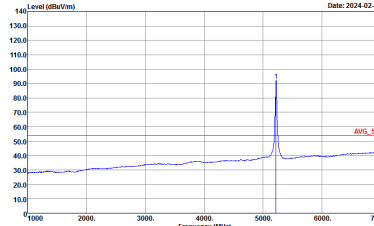


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

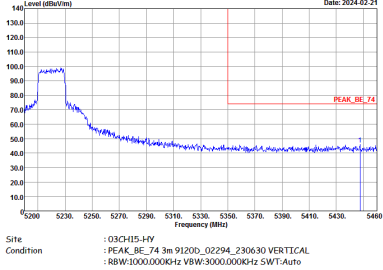
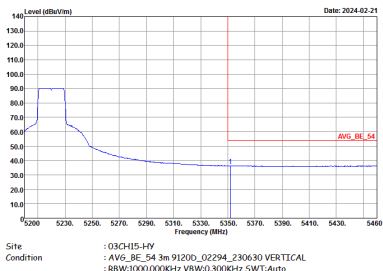


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

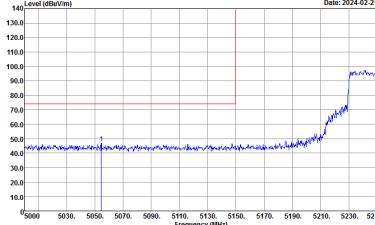
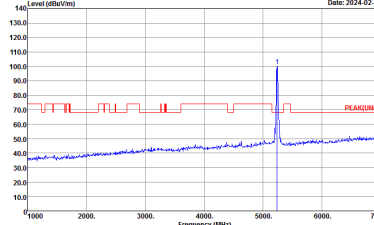
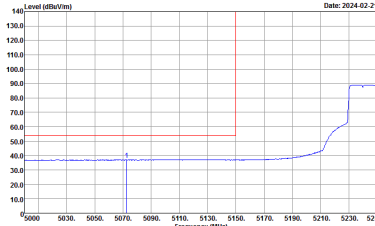
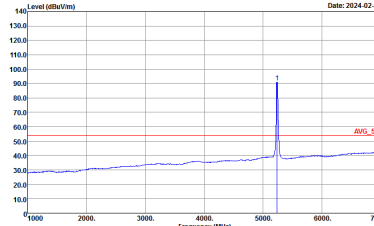


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
	Vertical	Fundamental
Peak	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-21</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

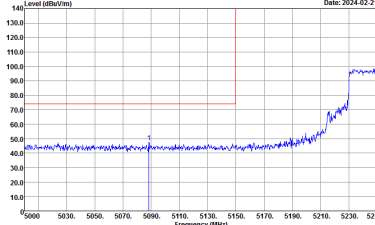
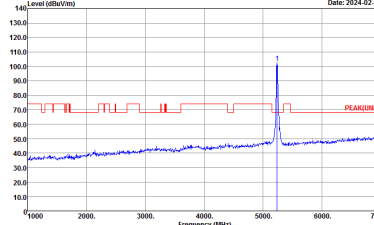
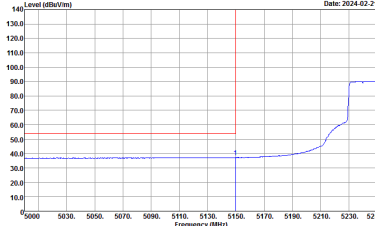
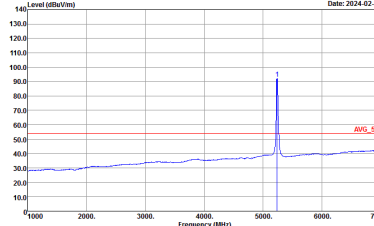


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>

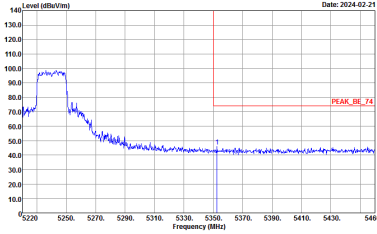
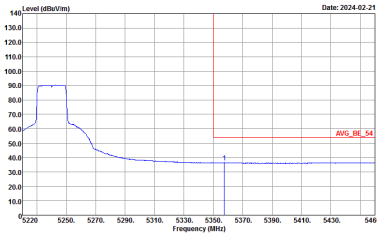


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



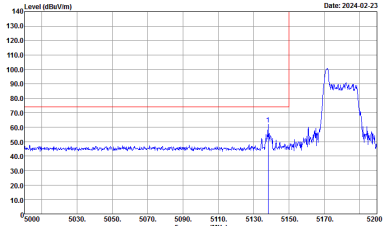
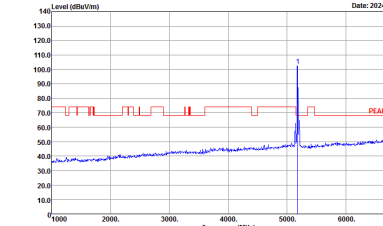
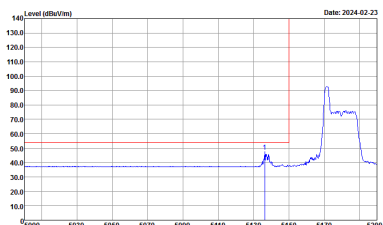
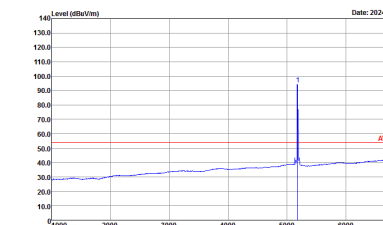
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



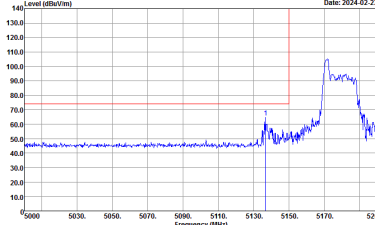
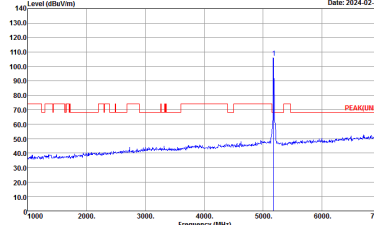
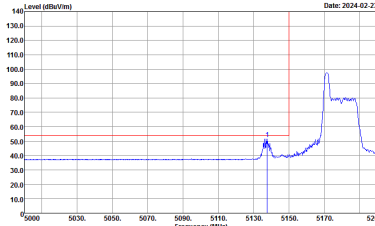
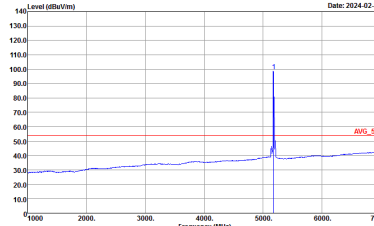
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
	Vertical	Fundamental
Peak	 <p>Date: 2024-02-21</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Date: 2024-02-21</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

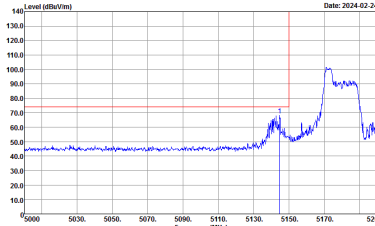
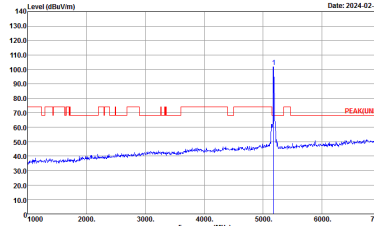
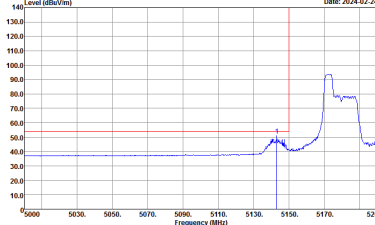
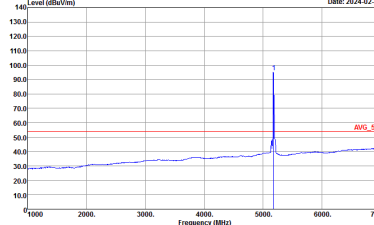
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
Peak	Horizontal  <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Fundamental  <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	Avg.  <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>	Fundamental  <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>



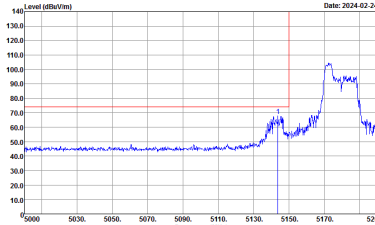
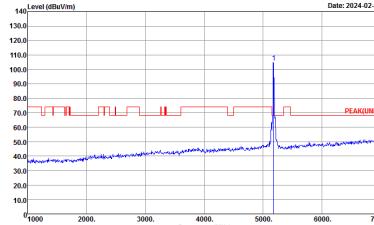
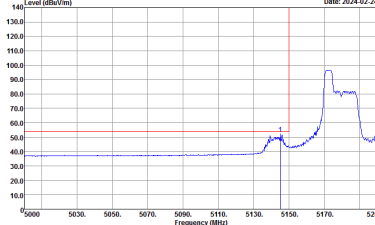
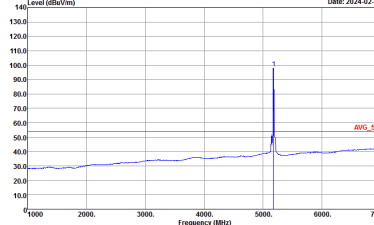
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Date: 2024-02-23</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-23</p> <p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-23</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>	 <p>Date: 2024-02-23</p> <p>Site : 03CH15-HY Condition : AVG_F_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>



Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

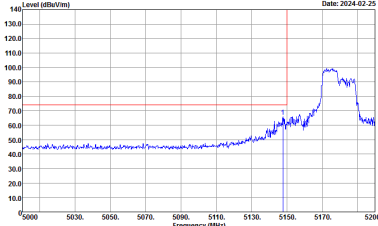
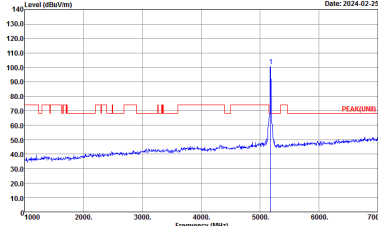
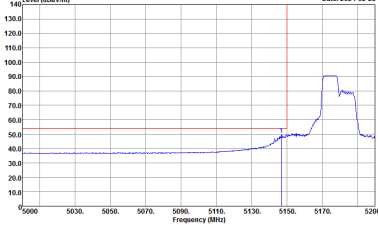
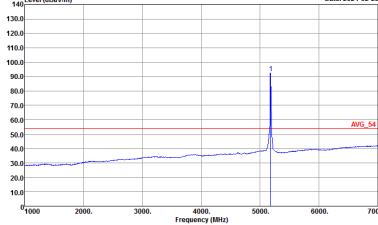
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	
	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



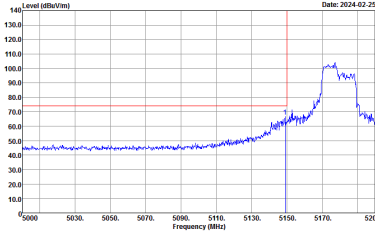
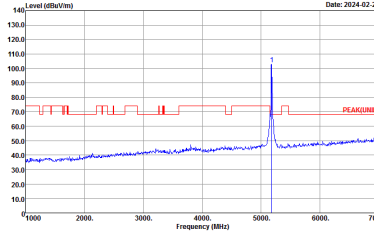
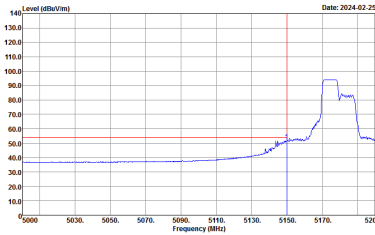
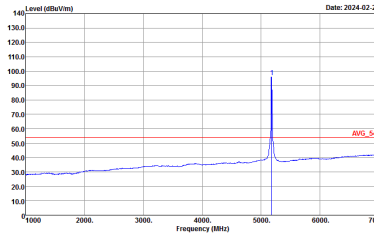
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



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	
	Horizontal	Fundamental
Peak	 <p>Date: 2024-02-25</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-25</p> <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-25</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>	 <p>Date: 2024-02-25</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>



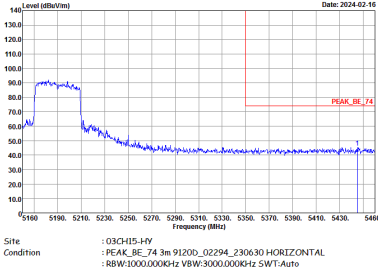
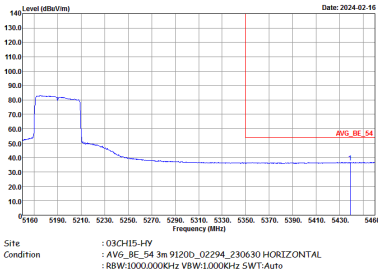
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>



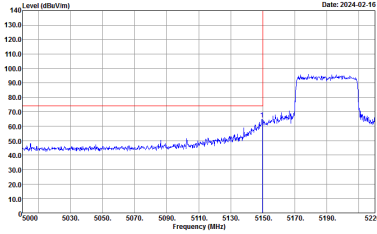
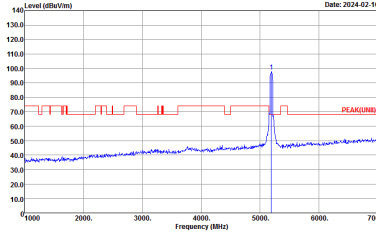
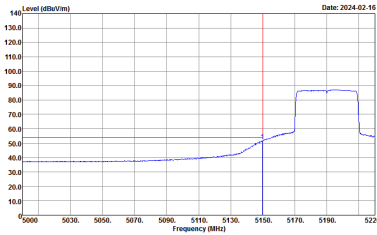
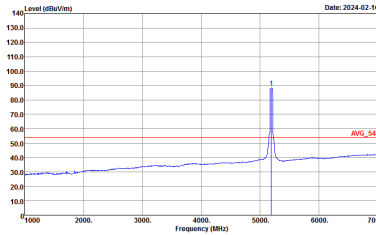
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). Each cell contains a spectral plot for 'Horizontal' and 'Fundamental' views. The plots show Level (dBuV/m) vs Frequency (MHz) with various parameters like Site, Condition, and Date.

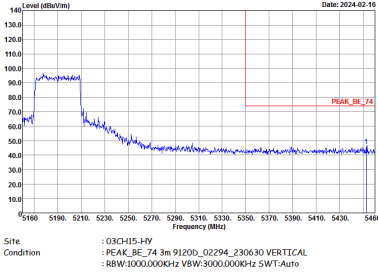
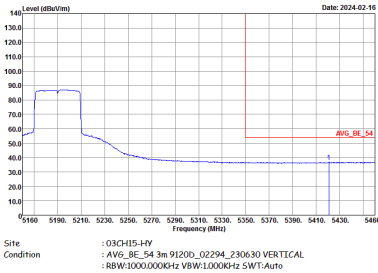


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

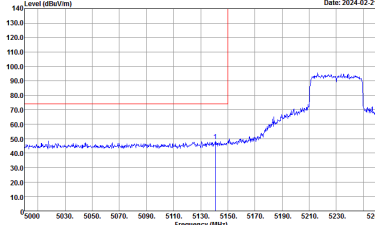
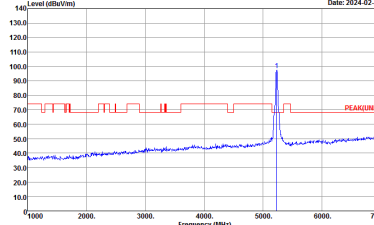
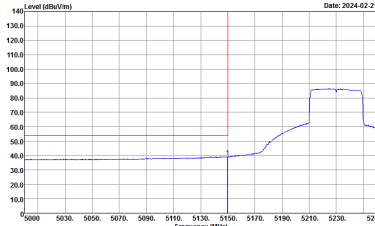
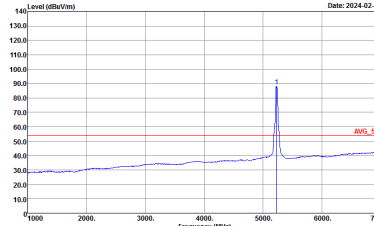


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
	Vertical	Fundamental
Peak	 <p>Date: 2024-02-16</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-02-16</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-16</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Date: 2024-02-16</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



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

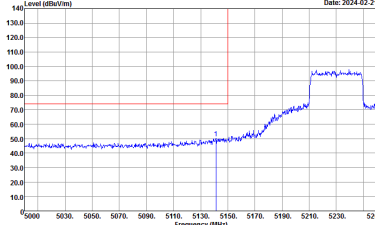
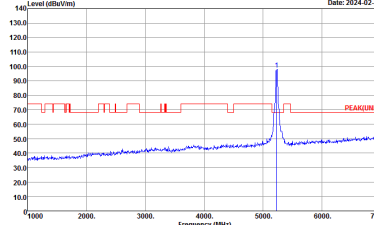
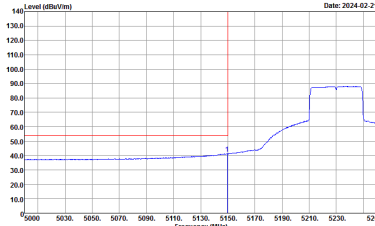
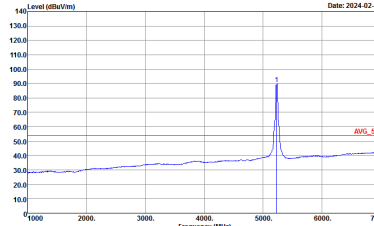


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



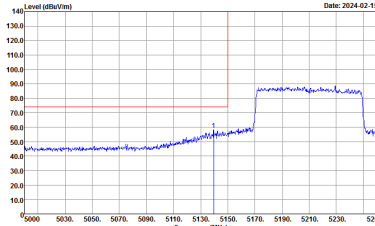
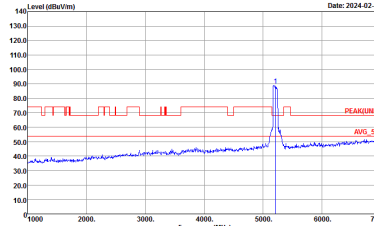
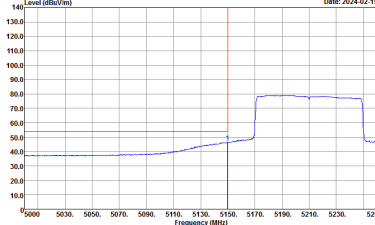
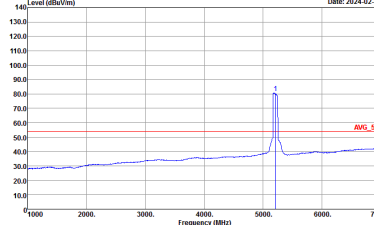
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



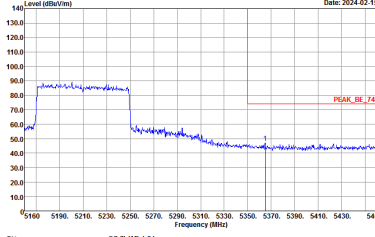
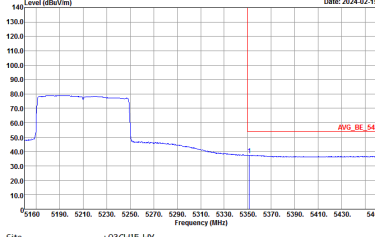
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	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	
	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : -AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank