FCC RADIO TEST REPORT

FCC ID	:	**A4RG8HHN**
Equipment	:	**Phone**
Model Name	:	**G8HHN**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jul. 12, 2023 and testing was performed from Jul. 14, 2023 to Dec. 05, 2023. 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

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History of this test report

Report No.	Version	Description	Issue Date
FR380306E	01	Initial issue of report	Nov. 23, 2023
FR380306E	02	1. Add Channel and Partial RU Power 2. Revise test date, Test Configuration of Equipment Under Test, section 2.2, appendix A, appendix C and appendix D This report is an updated version, replacing the report issued on Nov. 23, 2023.	Dec. 06, 2023
FR380306E	03	1. Revise appendix A and Test Mode This report is an updated version, replacing the report issued on Dec. 06, 2023.	Dec. 08, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	Emission 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	1.57 dB under the limit at 5725.00 MHz
3.5	15.207	AC Conducted Emission	Pass	18.61 dB under the limit at 0.44 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: William Chen

Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx and GNSS Rx. **Antenna Type** WLAN: **<Ant. 4>:** ILA Antenna **<Ant. 3>:** IFA Antenna

EUT Information List	
S/N	**Performed Test Item**
38011JEKB00248 36151JEKB10167	RF Conducted Measurement
36161JEKB08227 38031JEKB01519	Radiated Spurious Emission
38031JEKB01575	Conducted Emission

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 4:-3.10 Ant. 3:-3.40
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 4:-2.50 Ant. 3: -3.50
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 4:-2.50 Ant. 3:-3.00
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 4:-2.20 Ant. 3:-3.10

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

1.1.1 Antenna Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

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

	Ant 4 (dBi)	Ant 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-3.10	-3.40	-3.10	-0.24	0.00	0.00
Band II	-2.50	-3.50	-2.50	0.02	0.00	0.00
Band III	-2.50	-3.00	-2.50	0.26	0.00	0.00
Band IV	-2.20	-3.10	-2.20	0.37	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT4}= -3.10Bi; G_{ANT3}= -3.40dBi

Directional gain of power measurement = max(-3.10, -3.40) + 0 = -3.10 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-3.10 dBi / 20) + 10^ (-3.40 dBi / 20)] ^ 2 } / 2 }

= -0.24 dBi

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

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, 03CH22-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.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

Note:

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

2.2 Test Mode

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 partial RU modes in HE40/HE80 are covered by modes in HE20 because the power setting is identical.

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 SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

Except for 802.11n HT20 in UNII-3 band, the power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

MIMO Mode

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

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 5G NR n5 Link + WLAN (5GHz) Link + Bluetooth on + NFC on + USB Cable 3 (Charging from AC Adapter 2) + Handset mode ; Battery < 50%
Remark: **1.** For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 3. **2.** During the preliminary test, both charging modes (Adapter mode and WPT Client mode) were verified. It is determined that the adaptor mode is the worst case for official test.	

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

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

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

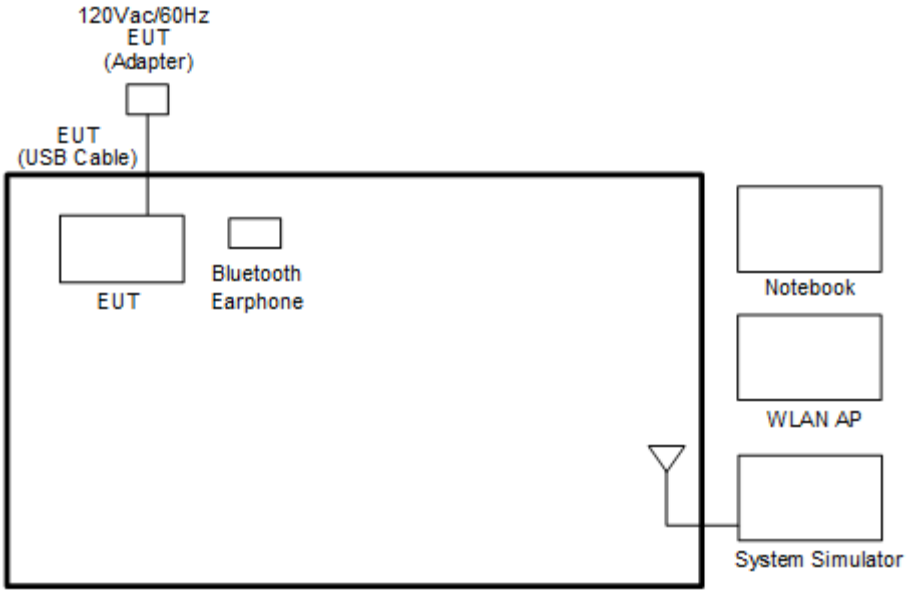
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

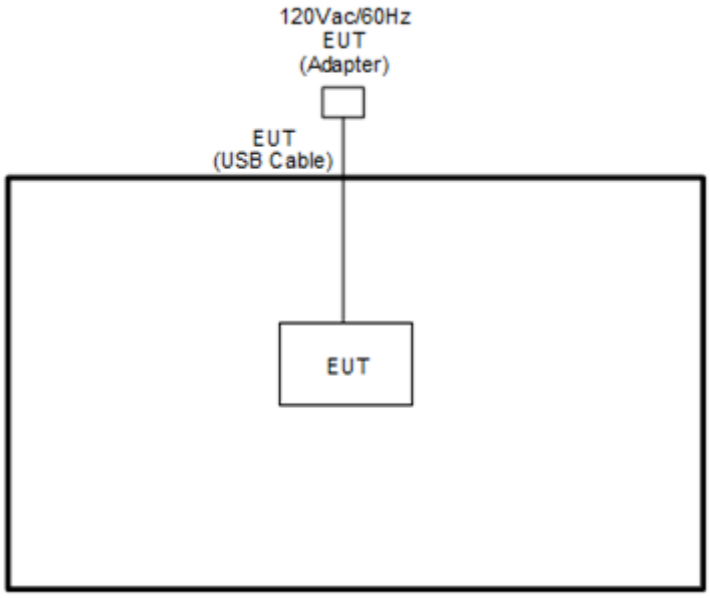
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “CMD v.10.0.18362.1256” 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 Emission Bandwidth and 99% Occupied Bandwidth Measurement

3.1.1 Description of Emission Bandwidth and 99% Occupied Bandwidth

26dB and 99% Occupied bandwidth are reporting only.
The minimum 6 dB bandwidth shall be at least 500 kHz for the band 5.725-5.85 GHz.

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.

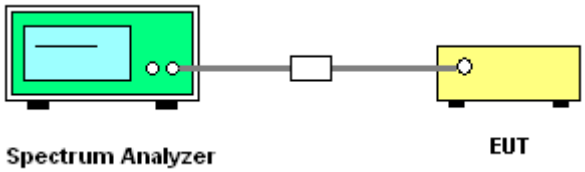
3.1.2 Measuring Instruments

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) ≥ 3 * RBW.
8. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW) ≥ 3 * RBW. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
9. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth and 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.

For the band 5.725–5.85 GHz:

■ the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

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

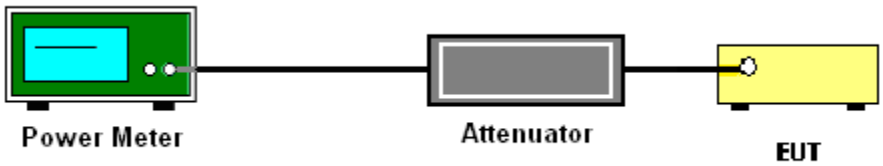
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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.

For the band 5.725–5.85 GHz:

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

 # 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 ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

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

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

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

For the band 5.725–5.85 GHz:

 # Method SA-2 #

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

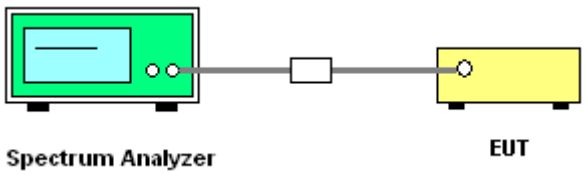
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number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

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

   Method (c): Measure and add 10 log(N_{ANT}) dB.

   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

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.

For transmitters operating in the 5.725-5.85 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

$$E=\frac{1000000\sqrt{30P}}{3}\ \mu V/m$$, 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) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

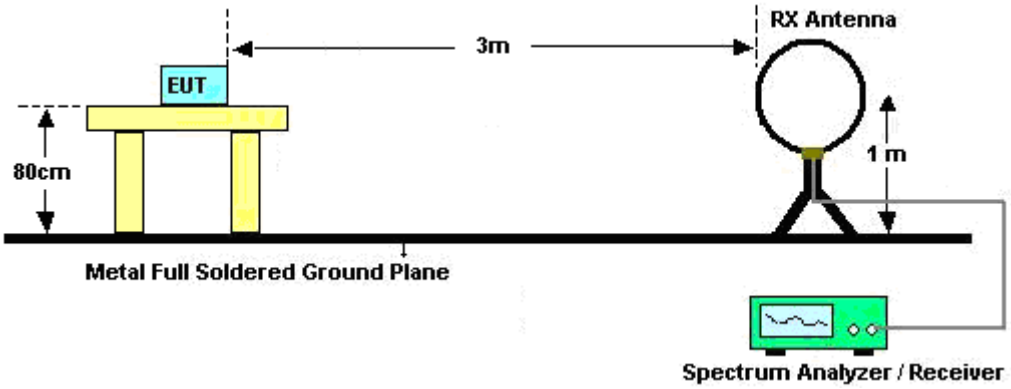
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

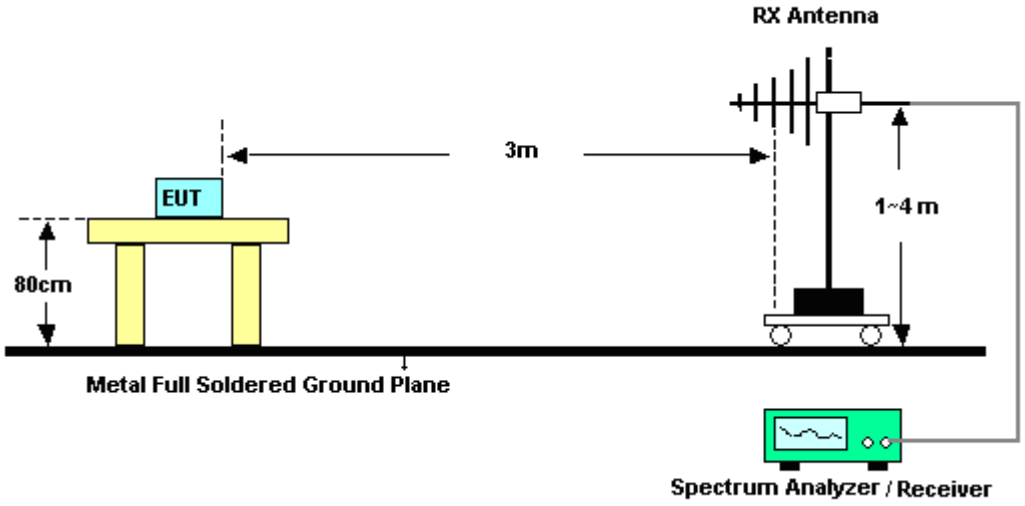
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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

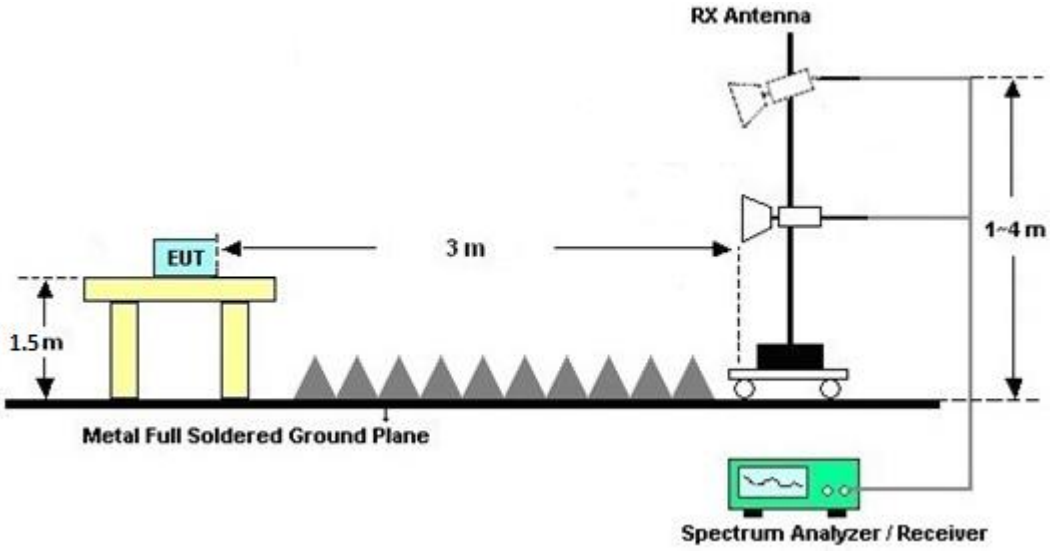
For radiated emissions below 30MHz



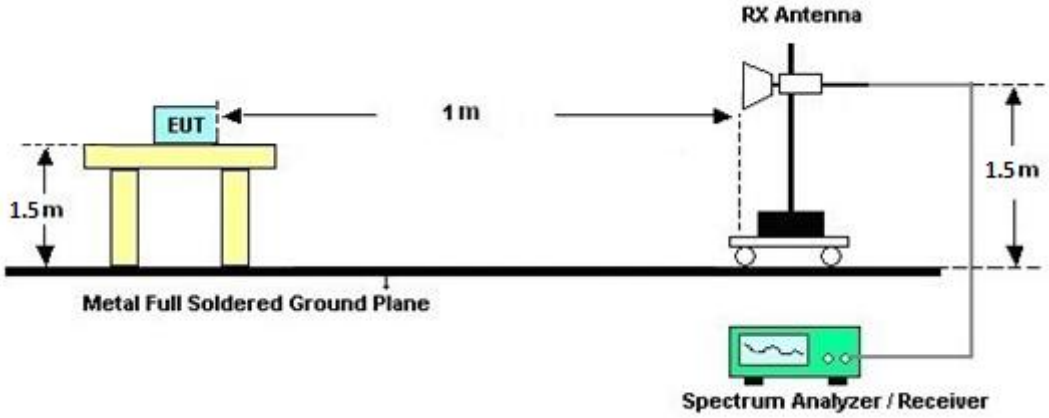
For radiated emissions from 30MHz to 1GHz



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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

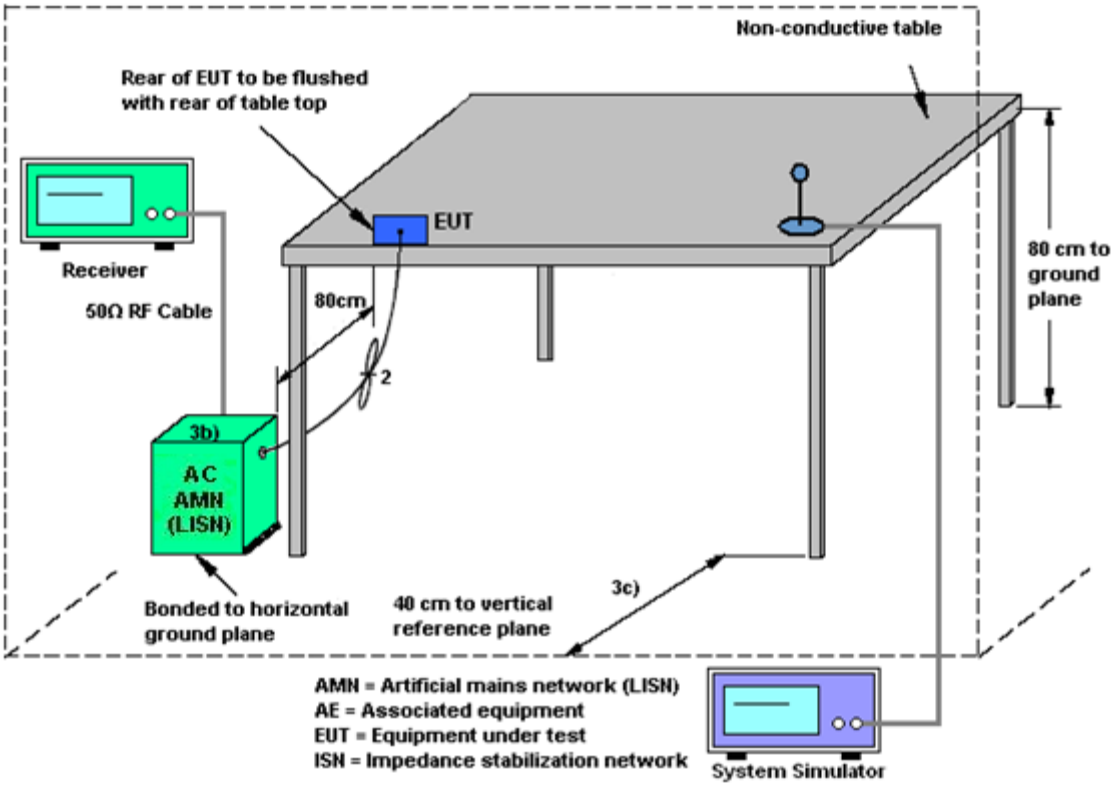
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9kHz~30MHz	Feb. 28, 2023	Jul. 26, 2023~ Dec. 05, 2023	Feb. 27, 2024	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Oct. 04, 2022	Jul. 26, 2023~ Dec. 05, 2023	Oct. 03, 2023	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Jul. 26, 2023~ Dec. 05, 2023	Feb. 04, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	Jul. 26, 2023~ Dec. 05, 2023	Jul. 14, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 12, 2023	Jul. 26, 2023~ Dec. 05, 2023	Jul. 11, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jul. 10, 2023	Jul. 26, 2023~ Dec. 05, 2023	Jul. 09, 2024	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 29, 2022	Jul. 26, 2023~ Dec. 05, 2023	Sep. 28, 2023	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jul. 26, 2023~ Dec. 05, 2023	Sep. 27, 2024	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 27, 2023	Jul. 26, 2023~ Dec. 05, 2023	Jun. 26, 2024	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Jul. 26, 2023~ Dec. 05, 2023	Jul. 05, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211559	N/A	Nov. 17, 2022	Jul. 26, 2023~ Dec. 05, 2023	Nov. 16, 2023	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Jul. 26, 2023~ Dec. 05, 2023	Oct. 29, 2024	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 26, 2023~ Dec. 05, 2023	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 26, 2023~ Dec. 05, 2023	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 26, 2023~ Dec. 05, 2023	N/A	Radiation (03CH22-HY)
Software	Audix	E3 6.09824_2019122	RK-002347	N/A	N/A	Jul. 26, 2023~ Dec. 05, 2023	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Jul. 26, 2023~ Dec. 05, 2023	Mar. 06, 2024	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,804611/2,804615/2	N/A	Oct. 25, 2022	Jul. 26, 2023~ Dec. 05, 2023	Oct. 24, 2023	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,804611/2,804615/2	N/A	Oct. 24, 2023	Jul. 26, 2023~ Dec. 05, 2023	Oct. 23, 2024	Radiation (03CH22-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Sep. 28, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Sep. 28, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 24, 2023	Sep. 28, 2023	Feb. 23, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Jul. 14, 2023~ Nov. 16, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 17, 2023~ Dec. 01, 2023	Nov. 06, 2024	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 07, 2023~ Dec. 01, 2023	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Jul. 14, 2023~ Dec. 01, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 26, 2022	Jul. 14, 2023~ Dec. 01, 2023	Dec. 25, 2023	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.46 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.92 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.42 dB**

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.40 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.38 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu/Derek Hsu/Willy Chang	Temperature:	21~25	°C
Test Date:	2023/7/14~2023/12/1	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO													
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	17.83	17.08	28.37	26.75	-		22.33		-	
11a	6Mbps	2	44	5220	33.97	31.47	51.10	46.63	-		23.01			
11a	6Mbps	2	48	5240	19.73	18.88	36.32	34.48	-		22.76			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	36	5180	13.90	13.80	16.86	24.00		-3.10		Pass
11a	6Mbps	2	40	5200	17.70	17.60	20.66	24.00		-3.10		Pass
11a	6Mbps	2	44	5220	18.70	19.00	21.86	24.00		-3.10		Pass
11a	6Mbps	2	48	5240	16.00	16.40	19.21	24.00		-3.10		Pass
HT20	MCS0	2	36	5180	13.30	13.80	16.57	24.00		-3.10		Pass
HT20	MCS0	2	40	5200	16.90	17.20	20.06	24.00		-3.10		Pass
HT20	MCS0	2	44	5220	17.90	17.90	20.91	24.00		-3.10		Pass
HT20	MCS0	2	48	5240	15.60	15.90	18.76	24.00		-3.10		Pass
HT40	MCS0	2	38	5190	11.90	11.20	14.57	24.00		-3.10	-	Pass
HT40	MCS0	2	46	5230	16.40	16.50	19.46	24.00		-3.10		Pass
VHT20	MCS0	2	36	5180	13.30	13.80	16.57	24.00		-3.10		Pass
VHT20	MCS0	2	40	5200	16.90	17.20	20.06	24.00		-3.10		Pass
VHT20	MCS0	2	44	5220	17.90	17.90	20.91	24.00		-3.10		Pass
VHT20	MCS0	2	48	5240	15.60	15.90	18.76	24.00		-3.10		Pass
VHT40	MCS0	2	38	5190	11.90	11.20	14.57	24.00		-3.10		Pass
VHT40	MCS0	2	46	5230	16.40	16.50	19.46	24.00		-3.10		Pass
VHT80	MCS0	2	42	5210	12.40	11.60	15.03	24.00		-3.10		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	0.29	0.29	-		5.14	11.00		-0.24		-	Pass
11a	6Mbps	2	40	5200	0.29	0.29			6.40	11.00		-0.24			Pass
11a	6Mbps	2	44	5220	0.29	0.29			9.59	11.00		-0.24			Pass
11a	6Mbps	2	48	5240	0.29	0.29			7.69	11.00		-0.24			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO														
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	52	5260	35.76	32.97	49.72	47.47	23.98		30.00		23.98		
11a	6Mbps	2	60	5300	26.42	23.58	40.66	37.12	23.98		30.00		23.98		-
11a	6Mbps	2	64	5320	19.33	18.23	32.15	31.30	23.61		29.61		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	18.90	18.50	21.71	23.98		-2.50		30	Pass
11a	6Mbps	2	60	5300	17.30	17.10	20.21	23.98		-2.50		30	Pass
11a	6Mbps	2	64	5320	13.30	13.20	16.26	23.98		-2.50		30	Pass
HT20	MCS0	2	52	5260	18.40	18.20	21.31	23.98		-2.50		30	Pass
HT20	MCS0	2	60	5300	16.00	16.40	19.21	23.98		-2.50		30	Pass
HT20	MCS0	2	64	5320	14.20	14.20	17.21	23.98		-2.50		30	Pass
HT40	MCS0	2	54	5270	15.40	15.50	18.46	23.98		-2.50		30	Pass
HT40	MCS0	2	62	5310	11.90	11.60	14.76	23.98		-2.50		30	Pass
VHT20	MCS0	2	52	5260	18.40	18.20	21.31	23.98		-2.50		30	Pass
VHT20	MCS0	2	60	5300	16.00	16.40	19.21	23.98		-2.50		30	Pass
VHT20	MCS0	2	64	5320	14.20	14.20	17.21	23.98		-2.50		30	Pass
VHT40	MCS0	2	54	5270	15.40	15.50	18.46	23.98		-2.50		30	Pass
VHT40	MCS0	2	62	5310	11.90	11.60	14.76	23.98		-2.50		30	Pass
VHT80	MCS0	2	58	5290	12.40	11.80	15.12	23.98		-2.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	0.29	0.29	-		10.66	11.00		0.02		-	Pass
11a	6Mbps	2	60	5300	0.29	0.29			9.21	11.00		0.02			Pass
11a	6Mbps	2	64	5320	0.29	0.29			5.10	11.00		0.02			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	100	5500	18.68	17.88	32.39	29.99	23.52		29.52		23.98		----	----
11a	6Mbps	2	116	5580	28.42	26.92	43.96	41.62	23.98		30.00		23.98		----	----
11a	6Mbps	2	140	5700	17.13	16.78	21.95	21.82	23.25		29.25		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	144	5720	18.09	18.99	26.94	26.82	23.57		29.57		23.98		2.65	3.2

6dB Bandwidth Limit > 500kHz	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	14.00	13.90	16.96	23.98		-2.50		30	Pass
11a	6Mbps	2	104	5520	18.00	18.30	21.16	23.98		-2.50		30	Pass
11a	6Mbps	2	116	5580	19.40	19.10	22.26	23.98		-2.50		30	Pass
11a	6Mbps	2	136	5680	17.60	17.70	20.66	23.98		-2.50		30	Pass
11a	6Mbps	2	140	5700	13.00	12.60	15.81	23.98		-2.50		30	Pass
HT20	MCS0	2	100	5500	13.40	13.00	16.21	23.98		-2.50		30	Pass
HT20	MCS0	2	104	5520	17.60	17.90	20.76	23.98		-2.50		30	Pass
HT20	MCS0	2	116	5580	18.90	18.70	21.81	23.98		-2.50		30	Pass
HT20	MCS0	2	136	5680	16.90	17.20	20.06	23.98		-2.50		30	Pass
HT20	MCS0	2	140	5700	13.50	12.60	16.08	23.98		-2.50		30	Pass
HT40	MCS0	2	102	5510	13.30	13.30	16.31	23.98		-2.50		30	Pass
HT40	MCS0	2	110	5550	16.40	16.90	19.67	23.98		-2.50		30	Pass
HT40	MCS0	2	134	5670	16.70	16.60	19.66	23.98		-2.50		30	Pass
VHT20	MCS0	2	100	5500	13.40	13.00	16.21	23.98		-2.50		30	Pass
VHT20	MCS0	2	104	5520	17.60	17.90	20.76	23.98		-2.50		30	Pass
VHT20	MCS0	2	116	5580	18.90	18.70	21.81	23.98		-2.50		30	Pass
VHT20	MCS0	2	136	5680	16.90	17.20	20.06	23.98		-2.50		30	Pass
VHT20	MCS0	2	140	5700	13.50	12.60	16.08	23.98		-2.50		30	Pass
VHT40	MCS0	2	102	5510	13.30	13.30	16.31	23.98		-2.50		30	Pass
VHT40	MCS0	2	110	5550	16.40	16.90	19.67	23.98		-2.50		30	Pass
VHT40	MCS0	2	134	5670	16.70	16.60	19.66	23.98		-2.50		30	Pass
VHT80	MCS0	2	106	5530	12.80	13.00	15.91	23.98		-2.50		30	Pass
VHT80	MCS0	2	122	5610	15.80	15.90	18.86	23.98		-2.50		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	19.50	19.00	22.27	23.98		-2.50		30	Pass
HT20	MCS0	2	144	5720	18.90	18.10	21.53	23.98		-2.50		30	Pass
HT40	MCS0	2	142	5710	17.90	17.30	20.62	23.98		-2.50		30	Pass
VHT20	MCS0	2	144	5720	18.90	18.10	21.53	23.98		-2.50		30	Pass
VHT40	MCS0	2	142	5710	17.90	17.30	20.62	23.98		-2.50		30	Pass
VHT80	MCS0	2	138	5690	17.90	17.70	20.81	23.98		-2.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	0.29	0.29			6.10	11.00		0.26			Pass
11a	6Mbps	2	104	5520	0.29	0.29			9.75	11.00		0.26			Pass
11a	6Mbps	2	116	5580	0.29	0.29	-		10.83	11.00		0.26		-	Pass
11a	6Mbps	2	136	5680	0.29	0.29			9.33	11.00		0.26			Pass
11a	6Mbps	2	140	5700	0.29	0.29			4.82	11.00		0.26			Pass

U-NII-2C straddle channel MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	0.29	0.29	-		10.94	11.00		0.26		-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	19.28	19.08	31.20	23.34	-		22.81		-	-
HE20	MCS0	2	44	5220	Full	36.46	35.06	50.70	47.82	-		23.01			
HE20	MCS0	2	48	5240	Full	19.63	19.48	34.64	33.68	-		22.90			
HE40	MCS0	2	38	5190	Full	37.86	37.76	41.52	41.16	-		23.01			
HE40	MCS0	2	46	5230	Full	39.96	39.16	85.80	77.04	-		23.01			
HE80	MCS0	2	42	5210	Full	76.84	76.72	81.60	81.60	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	13.40	13.90	16.67	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	26/0	4.80	4.40	7.61	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	52/37	7.90	7.90	10.91	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	106/53	10.50	10.50	13.51	24.00		-3.10			Pass
HE20	MCS0	2	40	5200	Full	17.00	17.30	20.16	24.00		-3.10			Pass
HE20	MCS0	2	40	5200	26/0	8.40	8.00	11.21	24.00		-3.10			Pass
HE20	MCS0	2	40	5200	52/37	11.30	10.80	14.07	24.00		-3.10			Pass
HE20	MCS0	2	40	5200	106/53	14.50	14.30	17.41	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	Full	18.00	18.00	21.01	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	26/4	11.70	10.70	14.24	24.00		-3.10		-	Pass
HE20	MCS0	2	44	5220	52/38	12.90	12.80	15.86	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	106/53	15.80	15.80	18.81	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	Full	15.70	16.00	18.86	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	26/8	7.70	7.50	10.61	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	52/40	10.50	10.50	13.51	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	106/54	13.60	13.90	16.76	24.00		-3.10			Pass
HE40	MCS0	2	38	5190	Full	12.00	11.30	14.67	24.00		-3.10			Pass
HE40	MCS0	2	46	5230	Full	16.50	16.60	19.56	24.00		-3.10			Pass
HE80	MCS0	2	42	5210	Full	12.50	11.70	15.13	24.00		-3.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	0.40	0.40			5.37	11.00		-0.24			Pass
HE20	MCS0	2	36	5180	26/0	0.48	0.46			4.94	11.00		-0.24			Pass
HE20	MCS0	2	36	5180	52/37	0.52	0.53			5.29	11.00		-0.24			Pass
HE20	MCS0	2	36	5180	106/53	0.59	0.59			4.88	11.00		-0.24			Pass
HE20	MCS0	2	40	5200	Full	0.40	0.40			8.53	11.00		-0.24			Pass
HE20	MCS0	2	40	5200	26/0	0.48	0.46			8.14	11.00		-0.24			Pass
HE20	MCS0	2	40	5200	52/37	0.52	0.53			8.15	11.00		-0.24			Pass
HE20	MCS0	2	40	5200	106/53	0.59	0.59			8.14	11.00		-0.24			Pass
HE20	MCS0	2	44	5220	Full	0.40	0.40			9.51	11.00		-0.24			Pass
HE20	MCS0	2	44	5220	26/4	0.48	0.46	-		9.46	11.00		-0.24		-	Pass
HE20	MCS0	2	44	5220	52/38	0.52	0.53			9.30	11.00		-0.24			Pass
HE20	MCS0	2	44	5220	106/53	0.59	0.59			9.24	11.00		-0.24			Pass
HE20	MCS0	2	48	5240	Full	0.40	0.40			7.29	11.00		-0.24			Pass
HE20	MCS0	2	48	5240	26/8	0.48	0.46			7.25	11.00		-0.24			Pass
HE20	MCS0	2	48	5240	52/40	0.52	0.53			7.22	11.00		-0.24			Pass
HE20	MCS0	2	48	5240	106/54	0.59	0.59			7.25	11.00		-0.24			Pass
HE40	MCS0	2	38	5190	Full	0.40	0.41			0.40	11.00		-0.24			Pass
HE40	MCS0	2	46	5230	Full	0.40	0.41			5.12	11.00		-0.24			Pass
HE80	MCS0	2	42	5210	Full	0.54	0.55			-2.76	11.00		-0.24			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	52	5260	Full	36.96	34.37	54.48	49.20	23.98		30.00		23.98		
HE20	MCS0	2	60	5300	Full	34.77	31.17	53.46	45.60	23.98		30.00		23.98		
HE20	MCS0	2	64	5320	Full	19.28	19.18	30.96	28.86	23.83		29.83		23.98		
HE40	MCS0	2	54	5270	Full	40.36	38.86	78.96	82.08	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.66	41.40	41.04	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.84	76.72	81.60	81.36	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	52	5260	Full	18.50	18.30	21.41	23.98		-2.50		30	Pass
HE20	MCS0	2	52	5260	26/0	10.40	9.40	12.94	23.98		-2.50		30	Pass
HE20	MCS0	2	52	5260	52/37	12.70	12.30	15.51	23.98		-2.50		30	Pass
HE20	MCS0	2	52	5260	106/53	15.60	15.40	18.51	23.98		-2.50		30	Pass
HE20	MCS0	2	60	5300	Full	16.10	16.50	19.31	23.98		-2.50		30	Pass
HE20	MCS0	2	60	5300	26/4	8.80	8.40	11.61	23.98		-2.50		30	Pass
HE20	MCS0	2	60	5300	52/38	10.40	9.40	12.94	23.98		-2.50		30	Pass
HE20	MCS0	2	60	5300	106/53	13.50	13.50	16.51	23.98		-2.50		30	Pass
HE20	MCS0	2	64	5320	Full	14.30	14.30	17.31	23.98		-2.50		30	Pass
HE20	MCS0	2	64	5320	26/8	4.90	4.90	7.91	23.98		-2.50		30	Pass
HE20	MCS0	2	64	5320	52/40	8.00	8.00	11.01	23.98		-2.50		30	Pass
HE20	MCS0	2	64	5320	106/54	10.70	10.40	13.56	23.98		-2.50		30	Pass
HE40	MCS0	2	54	5270	Full	15.50	15.60	18.56	23.98		-2.50		30	Pass
HE40	MCS0	2	62	5310	Full	12.00	11.70	14.86	23.98		-2.50		30	Pass
HE80	MCS0	2	58	5290	Full	12.50	11.70	15.13	23.98		-2.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	52	5260	Full	0.40	0.40			9.55	11.00		0.02			Pass
HE20	MCS0	2	52	5260	26/0	0.48	0.46			9.40	11.00		0.02			Pass
HE20	MCS0	2	52	5260	52/37	0.52	0.53			9.40	11.00		0.02			Pass
HE20	MCS0	2	52	5260	106/53	0.59	0.59			9.53	11.00		0.02			Pass
HE20	MCS0	2	60	5300	Full	0.40	0.40			7.79	11.00		0.02			Pass
HE20	MCS0	2	60	5300	26/4	0.48	0.46			7.72	11.00		0.02			Pass
HE20	MCS0	2	60	5300	52/38	0.52	0.53			7.25	11.00		0.02			Pass
HE20	MCS0	2	60	5300	106/53	0.59	0.59		-	7.57	11.00		0.02		-	Pass
HE20	MCS0	2	64	5320	Full	0.40	0.40			6.14	11.00		0.02			Pass
HE20	MCS0	2	64	5320	26/8	0.48	0.46			5.47	11.00		0.02			Pass
HE20	MCS0	2	64	5320	52/40	0.52	0.53			5.68	11.00		0.02			Pass
HE20	MCS0	2	64	5320	106/54	0.59	0.59			5.14	11.00		0.02			Pass
HE40	MCS0	2	54	5270	Full	0.40	0.41			3.47	11.00		0.02			Pass
HE40	MCS0	2	62	5310	Full	0.40	0.41			0.07	11.00		0.02			Pass
HE80	MCS0	2	58	5290	Full	0.54	0.55			-2.67	11.00		0.02			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
HE20	MCS0	2	100	5500	Full	19.28	19.23	31.80	25.92	23.84		29.84		23.98		----	----
HE20	MCS0	2	116	5580	Full	26.82	27.37	46.02	46.32	23.98		30.00		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.93	21.24	21.36	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.06	37.96	54.48	42.12	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	41.86	38.96	77.52	70.80	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.46	38.26	57.12	58.92	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.96	76.84	82.32	82.08	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.56	77.56	141.84	131.04	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
HE20	MCS0	2	144	5720	Full	16.94	17.49	25.58	26.30	23.29		29.29		23.98		4.05	2.65
HE40	MCS0	2	142	5710	Full	34.28	34.58	53.76	54.48	23.98		30.00		23.98		3.81	3.9
HE80	MCS0	2	138	5690	Full	73.72	73.72	93.08	110.12	23.98		30.00		23.98		3.72	3.4

6dB Bandwidth Limit > 500kHz	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	100	5500	Full	13.50	13.10	16.31	23.98		-2.50		30	Pass
HE20	MCS0	2	100	5500	26/0	8.10	18.00	7.72	23.98		-2.50		30	Pass
HE20	MCS0	2	100	5500	52/37	8.10	7.50	10.82	23.98		-2.50		30	Pass
HE20	MCS0	2	100	5500	106/53	10.60	10.00	13.32	23.98		-2.50		30	Pass
HE20	MCS0	2	104	5520	Full	17.70	18.00	20.86	23.98		-2.50		30	Pass
HE20	MCS0	2	104	5520	26/0	12.40	18.60	11.42	23.98		-2.50		30	Pass
HE20	MCS0	2	104	5520	52/37	12.40	11.70	15.07	23.98		-2.50		30	Pass
HE20	MCS0	2	104	5520	106/53	14.90	14.90	17.91	23.98		-2.50		30	Pass
HE20	MCS0	2	116	5580	Full	19.00	18.60	21.81	23.98		-2.50		30	Pass
HE20	MCS0	2	116	5580	26/4	12.20	10.80	14.57	23.98		-2.50		30	Pass
HE20	MCS0	2	116	5580	52/38	13.40	12.70	16.07	23.98		-2.50		30	Pass
HE20	MCS0	2	116	5580	106/53	16.30	16.00	19.16	23.98		-2.50		30	Pass
HE20	MCS0	2	136	5680	Full	17.00	17.30	20.16	23.98		-2.50		30	Pass
HE20	MCS0	2	136	5680	26/8	8.40	6.90	10.72	23.98		-2.50		30	Pass
HE20	MCS0	2	136	5680	52/40	11.10	10.00	13.60	23.98		-2.50		30	Pass
HE20	MCS0	2	136	5680	106/54	14.10	13.70	16.91	23.98		-2.50		30	Pass
HE20	MCS0	2	140	5700	Full	13.50	12.70	16.13	23.98		-2.50		30	Pass
HE20	MCS0	2	140	5700	26/8	4.30	2.90	6.67	23.98		-2.50		30	Pass
HE20	MCS0	2	140	5700	52/40	7.20	6.40	9.83	23.98		-2.50		30	Pass
HE20	MCS0	2	140	5700	106/54	10.20	9.40	12.83	23.98		-2.50		30	Pass
HE40	MCS0	2	102	5510	Full	13.40	13.40	16.41	23.98		-2.50		30	Pass
HE40	MCS0	2	110	5550	Full	16.50	17.00	19.77	23.98		-2.50		30	Pass
HE40	MCS0	2	134	5670	Full	16.80	16.70	19.76	23.98		-2.50		30	Pass
HE80	MCS0	2	106	5530	Full	12.90	13.10	16.01	23.98		-2.50		30	Pass
HE80	MCS0	2	122	5610	Full	15.90	16.00	18.96	23.98		-2.50		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full	19.00	18.20	21.63	23.98		-2.50		30	Pass
HE20	MCS0	2	144	5720	26/8	11.30	10.00	13.71	23.98		-2.50		30	Pass
HE20	MCS0	2	144	5720	52/40	13.60	12.50	16.10	23.98		-2.50		30	Pass
HE20	MCS0	2	144	5720	106/54	16.70	15.70	19.24	23.98		-2.50		30	Pass
HE40	MCS0	2	142	5710	Full	18.00	17.40	20.72	23.98		-2.50		30	Pass
HE80	MCS0	2	138	5690	Full	18.00	17.80	20.91	23.98		-2.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	100	5500	Full	0.40	0.40			5.38	11.00		0.26			Pass
HE20	MCS0	2	100	5500	26/0	0.48	0.46			4.92	11.00		0.26			Pass
HE20	MCS0	2	100	5500	52/37	0.52	0.53			5.15	11.00		0.26			Pass
HE20	MCS0	2	100	5500	106/53	0.59	0.59			4.50	11.00		0.26			Pass
HE20	MCS0	2	104	5520	Full	0.40	0.40			8.80	11.00		0.26			Pass
HE20	MCS0	2	104	5520	26/0	0.48	0.46			8.41	11.00		0.26			Pass
HE20	MCS0	2	104	5520	52/37	0.52	0.53			8.54	11.00		0.26			Pass
HE20	MCS0	2	104	5520	106/53	0.59	0.59			8.52	11.00		0.26			Pass
HE20	MCS0	2	116	5580	Full	0.40	0.40			9.74	11.00		0.26			Pass
HE20	MCS0	2	116	5580	26/8	0.48	0.46			9.66	11.00		0.26			Pass
HE20	MCS0	2	116	5580	52/40	0.52	0.53			9.39	11.00		0.26			Pass
HE20	MCS0	2	116	5580	106/54	0.59	0.59			9.56	11.00		0.26			Pass
HE20	MCS0	2	136	5680	Full	0.40	0.40	-		8.00	11.00		0.26		-	Pass
HE20	MCS0	2	136	5680	26/8	0.48	0.46			7.52	11.00		0.26			Pass
HE20	MCS0	2	136	5680	52/40	0.52	0.53			7.66	11.00		0.26			Pass
HE20	MCS0	2	136	5680	106/54	0.59	0.59			7.80	11.00		0.26			Pass
HE20	MCS0	2	140	5700	Full	0.40	0.40			4.72	11.00		0.26			Pass
HE20	MCS0	2	140	5700	26/8	0.48	0.46			4.25	11.00		0.26			Pass
HE20	MCS0	2	140	5700	52/40	0.52	0.53			4.37	11.00		0.26			Pass
HE20	MCS0	2	140	5700	106/54	0.59	0.59			4.51	11.00		0.26			Pass
HE40	MCS0	2	102	5510	Full	0.40	0.41			1.62	11.00		0.26			Pass
HE40	MCS0	2	110	5550	Full	0.40	0.41			5.55	11.00		0.26			Pass
HE40	MCS0	2	134	5670	Full	0.40	0.41			4.91	11.00		0.26			Pass
HE80	MCS0	2	106	5530	Full	0.54	0.55			-1.01	11.00		0.26			Pass
HE80	MCS0	2	122	5610	Full	0.54	0.55			2.39	11.00		0.26			Pass

U-NII-2C straddle channel MIMO															
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full	0.40	0.40			9.90	11.00		0.26			Pass
HE20	MCS0	2	144	5720	26/8	0.48	0.46			9.88	11.00		0.26			Pass
HE20	MCS0	2	144	5720	52/40	0.52	0.53			9.64	11.00		0.26			Pass
HE20	MCS0	2	144	5720	106/54	0.59	0.59	-		9.80	11.00		0.26		-	Pass
HE40	MCS0	2	142	5710	Full	0.40	0.41			5.87	11.00		0.26			Pass
HE80	MCS0	2	138	5690	Full	0.54	0.55			3.28	11.00		0.26			Pass

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	149	5745	23.98	28.17	39.12	43.62	15.80	15.25	0.5	Pass
11a	6Mbps	2	157	5785	23.88	27.57	39.06	43.68	15.55	16.15	0.5	Pass
11a	6Mbps	2	165	5825	24.68	27.27	39.12	43.68	15.40	15.20	0.5	Pass
HT20	MCS0	2	149	5745	44.66	41.46	48.42	47.46	17.65	16.90	0.5	Pass
HT20	MCS0	2	157	5785	43.96	41.76	45.90	46.44	16.80	17.10	0.5	Pass
HT20	MCS0	2	165	5825	33.57	35.46	47.16	46.92	17.60	16.40	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	149	5745	19.40	18.90	22.17	30.00		-2.20		Pass
11a	6Mbps	2	157	5785	19.40	18.60	22.03	30.00		-2.20		Pass
11a	6Mbps	2	165	5825	19.50	19.00	22.27	30.00		-2.20		Pass
HT20	MCS0	2	149	5745	20.00	19.90	22.96	30.00		-2.20		Pass
HT20	MCS0	2	157	5785	20.00	19.70	22.86	30.00		-2.20		Pass
HT20	MCS0	2	165	5825	20.00	19.70	22.86	30.00		-2.20		Pass
HT40	MCS0	2	151	5755	17.90	17.50	20.71	30.00		-2.20		Pass
HT40	MCS0	2	159	5795	17.90	17.30	20.62	30.00		-2.20		Pass
VHT20	MCS0	2	149	5745	18.90	18.40	21.67	30.00		-2.20		Pass
VHT20	MCS0	2	157	5785	19.00	18.50	21.77	30.00		-2.20		Pass
VHT20	MCS0	2	165	5825	18.90	18.20	21.57	30.00		-2.20		Pass
VHT40	MCS0	2	151	5755	17.90	17.50	20.71	30.00		-2.20		Pass
VHT40	MCS0	2	159	5795	17.90	17.30	20.62	30.00		-2.20		Pass
VHT80	MCS0	2	155	5775	18.00	17.20	20.63	30.00		-2.20		Pass

Report Number : FR380306E

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	149	5745	0.29	0.29	2.22		4.83	5.31	8.32	30.00		0.37		Pass
11a	6Mbps	2	157	5785	0.29	0.29	2.22		4.66	4.85	7.86	30.00		0.37		Pass
11a	6Mbps	2	165	5825	0.29	0.29	2.22		4.82	5.30	8.31	30.00		0.37		Pass
HT20	MCS0	2	149	5745	0.31	0.31	2.22		5.29	5.48	8.49	30.00		0.37		Pass
HT20	MCS0	2	157	5785	0.31	0.31	2.22		4.85	5.40	8.41	30.00		0.37		Pass
HT20	MCS0	2	165	5825	0.31	0.31	2.22		5.17	5.49	8.50	30.00		0.37		Pass

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

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

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	149	5745	Full	23.18	26.97	41.16	47.16	18.40	16.85	0.5	Pass
HE20	MCS0	2	157	5785	Full	21.98	26.97	37.14	45.48	17.95	16.40	0.5	Pass
HE20	MCS0	2	165	5825	Full	22.83	25.12	41.22	40.62	17.80	18.10	0.5	Pass
HE40	MCS0	2	151	5755	Full	39.26	41.66	74.52	83.52	37.89	37.71	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.56	39.36	66.72	67.92	37.71	36.99	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.32	77.32	116.64	124.56	76.32	76.32	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	149	5745	Full	19.00	18.50	21.77	30.00		-2.20		Pass
HE20	MCS0	2	149	5745	26/0	11.20	10.50	13.87	30.00		-2.20		Pass
HE20	MCS0	2	149	5745	52/37	14.00	14.10	17.06	30.00		-2.20		Pass
HE20	MCS0	2	149	5745	106/53	17.10	16.90	20.01	30.00		-2.20		Pass
HE20	MCS0	2	157	5785	Full	19.00	18.60	21.81	30.00		-2.20		Pass
HE20	MCS0	2	157	5785	26/4	11.40	11.10	14.26	30.00		-2.20		Pass
HE20	MCS0	2	157	5785	52/38	14.30	13.90	17.11	30.00		-2.20		Pass
HE20	MCS0	2	157	5785	106/53	17.10	16.80	19.96	30.00		-2.20		Pass
HE20	MCS0	2	165	5825	Full	19.00	18.30	21.67	30.00		-2.20		Pass
HE20	MCS0	2	165	5825	26/8	11.60	10.90	14.27	30.00		-2.20		Pass
HE20	MCS0	2	165	5825	52/40	14.10	13.70	16.91	30.00		-2.20		Pass
HE20	MCS0	2	165	5825	106/54	17.20	16.60	19.92	30.00		-2.20		Pass
HE40	MCS0	2	151	5755	Full	18.00	17.60	20.81	30.00		-2.20		Pass
HE40	MCS0	2	159	5795	Full	18.00	17.40	20.72	30.00		-2.20		Pass
HE80	MCS0	2	155	5775	Full	18.00	17.30	20.67	30.00		-2.20		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	149	5745	Full	0.40	0.40	2.22		4.01	4.52	7.53	30.00		0.37		Pass
HE20	MCS0	2	149	5745	26/0	0.48	0.46	2.22		4.44	3.83	7.45	30.00		0.37		Pass
HE20	MCS0	2	149	5745	52/37	0.52	0.53	2.22		3.95	4.32	7.33	30.00		0.37		Pass
HE20	MCS0	2	149	5745	106/53	0.59	0.59	2.22		4.34	4.45	7.46	30.00		0.37		Pass
HE20	MCS0	2	157	5785	Full	0.40	0.40	2.22		3.73	4.04	7.05	30.00		0.37		Pass
HE20	MCS0	2	157	5785	26/4	0.48	0.46	2.22		3.63	3.80	6.81	30.00		0.37		Pass
HE20	MCS0	2	157	5785	52/38	0.52	0.53	2.22		3.48	3.82	6.83	30.00		0.37		Pass
HE20	MCS0	2	157	5785	106/53	0.59	0.59	2.22		3.76	3.93	6.94	30.00		0.37		Pass
HE20	MCS0	2	165	5825	Full	0.40	0.40	2.22		3.91	4.34	7.35	30.00		0.37		Pass
HE20	MCS0	2	165	5825	26/8	0.48	0.46	2.22		4.24	4.27	7.28	30.00		0.37		Pass
HE20	MCS0	2	165	5825	52/40	0.52	0.53	2.22		3.73	3.97	6.98	30.00		0.37		Pass
HE20	MCS0	2	165	5825	106/54	0.59	0.59	2.22		4.25	4.21	7.26	30.00		0.37		Pass
HE40	MCS0	2	151	5755	Full	0.40	0.41	2.22		-0.03	0.41	3.42	30.00		0.37		Pass
HE40	MCS0	2	159	5795	Full	0.40	0.41	2.22		-0.05	0.10	3.11	30.00		0.37		Pass
HE80	MCS0	2	155	5775	Full	0.54	0.55	2.22		-3.04	-2.97	0.04	30.00		0.37		Pass

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

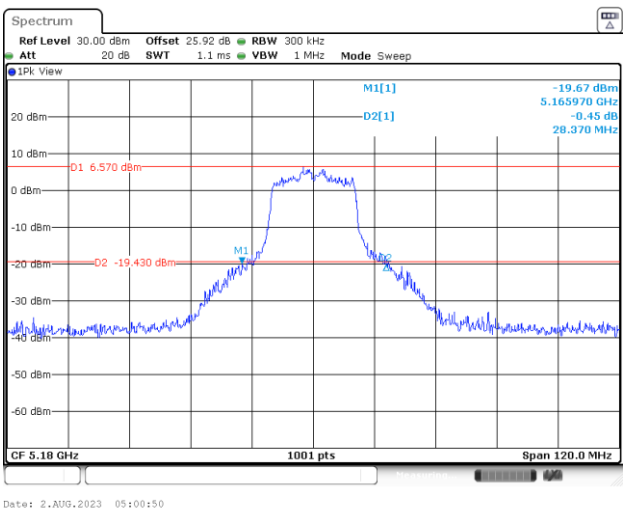
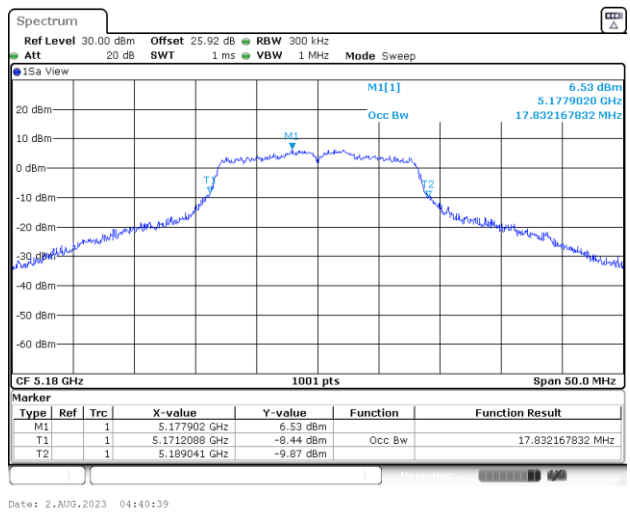
Test Result of 26dB & 99% Occupied Bandwidth

MIMO <Ant. 4+3>

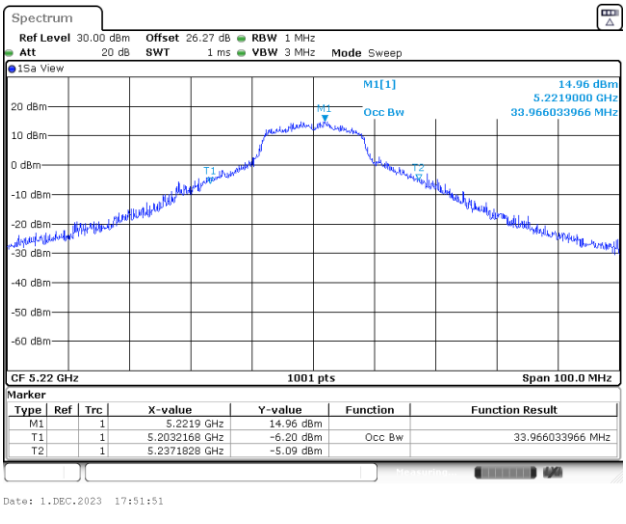
<For Band 1~3>

<802.11a>

Channel 36

26dB Bandwidth	99% Occupied Bandwidth
	

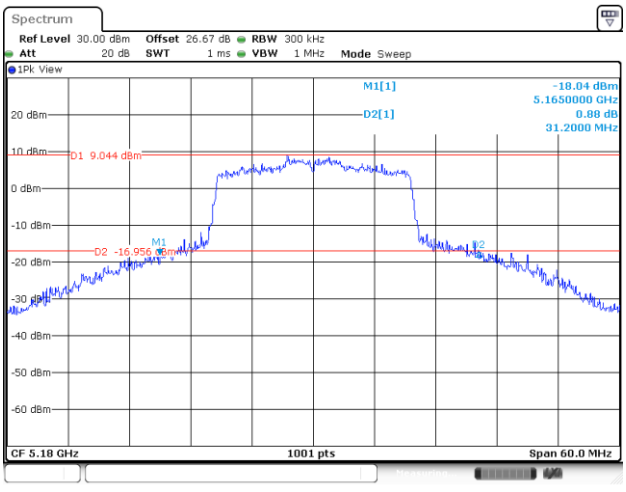
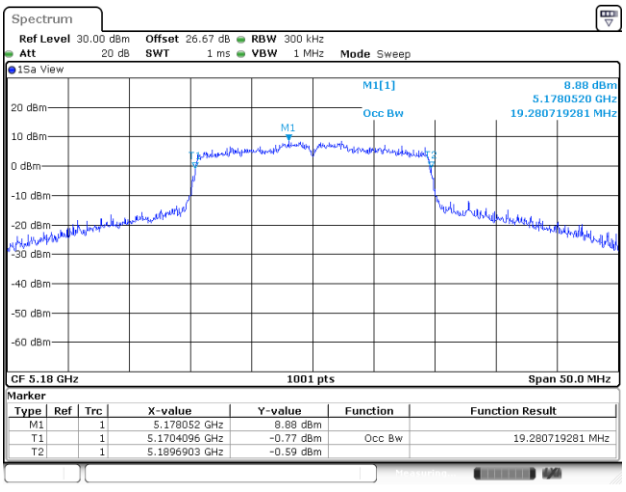
Channel 44

99% Occupied Bandwidth


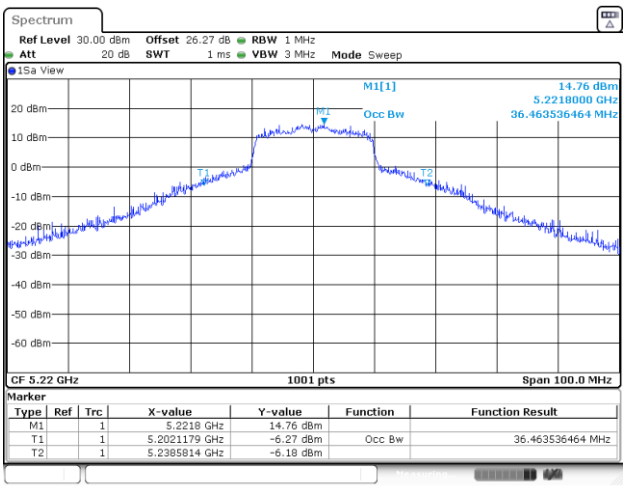
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

Channel 36

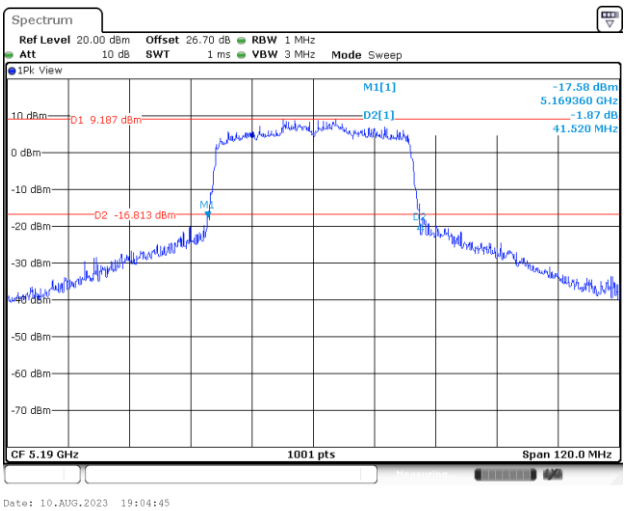
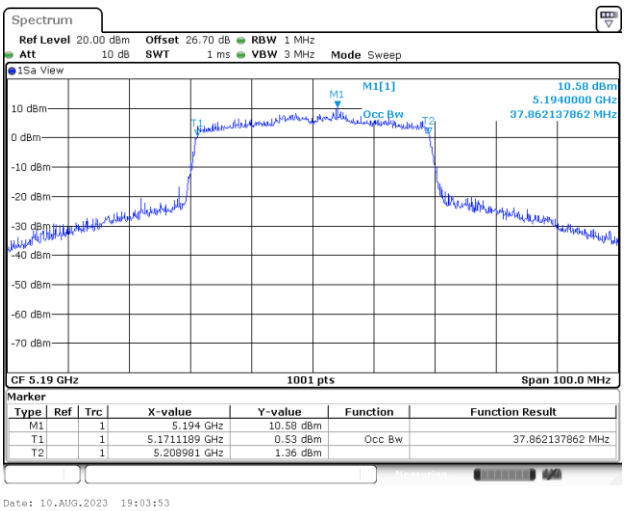
26dB Bandwidth	99% Occupied Bandwidth
	

Channel 44

99% Occupied Bandwidth


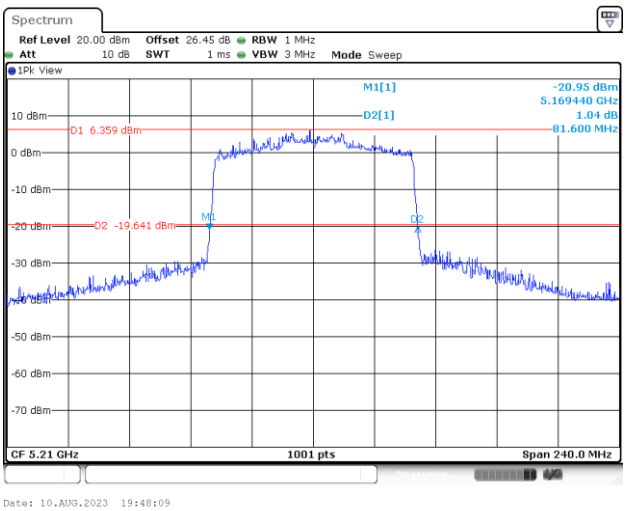
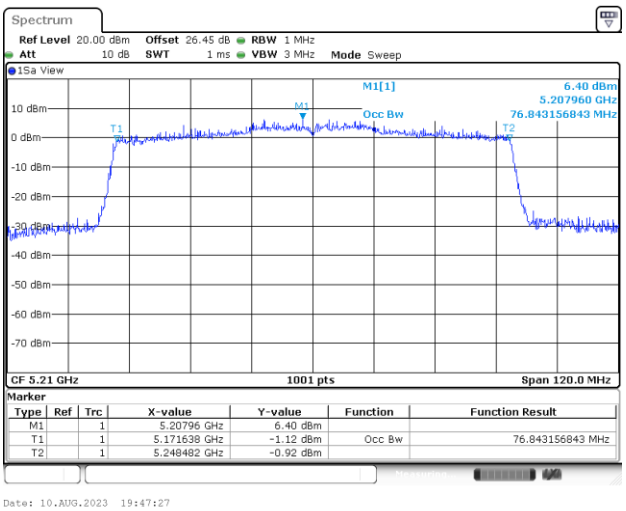
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

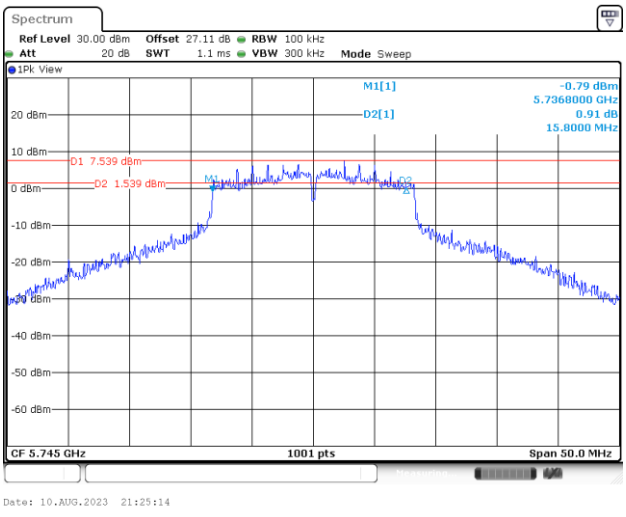
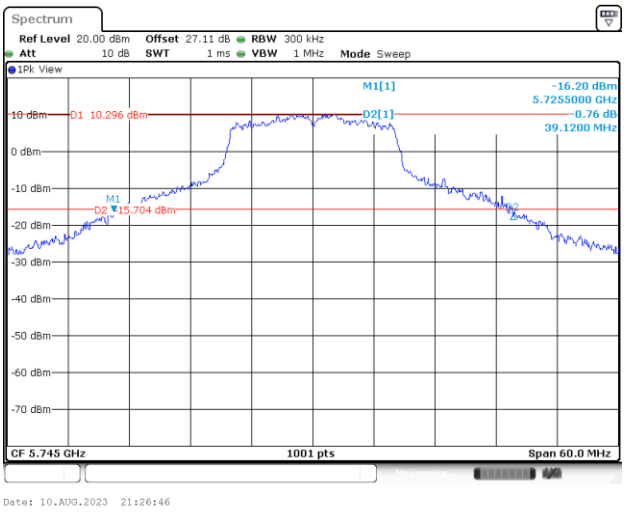
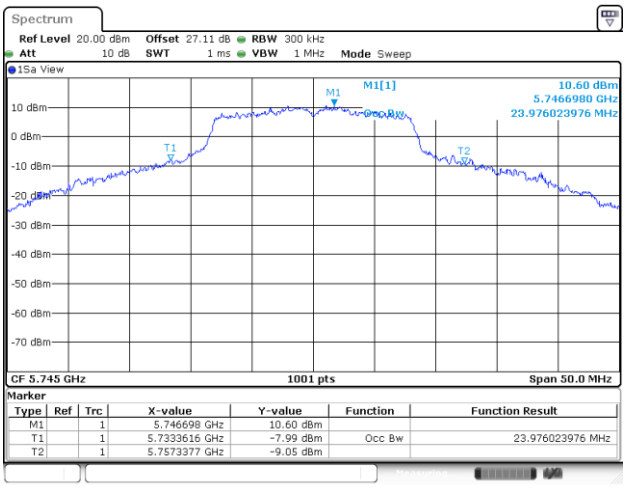
<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

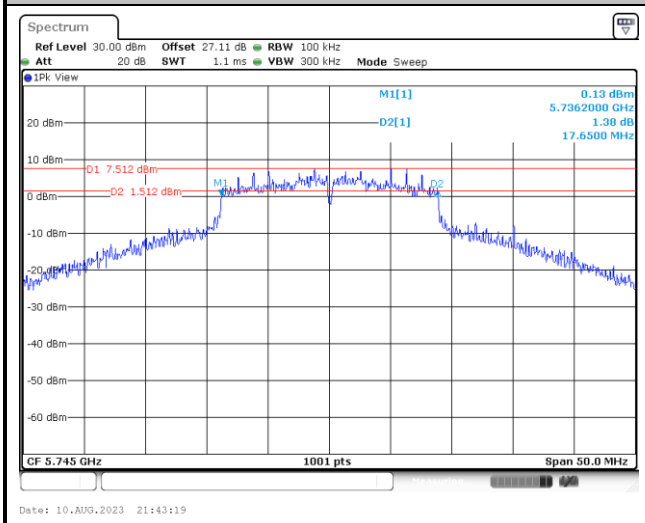
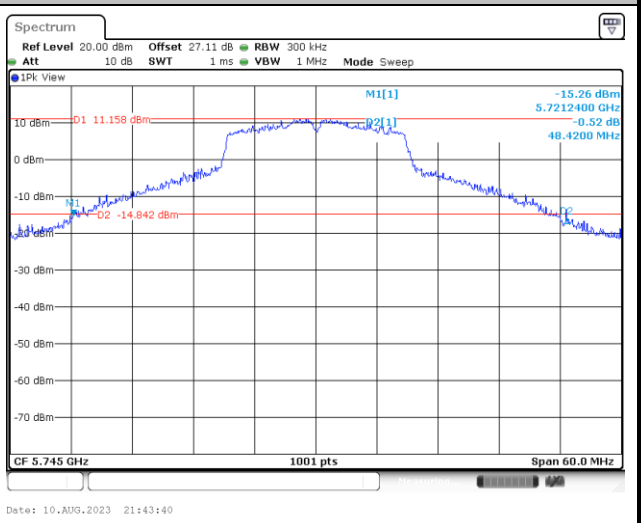
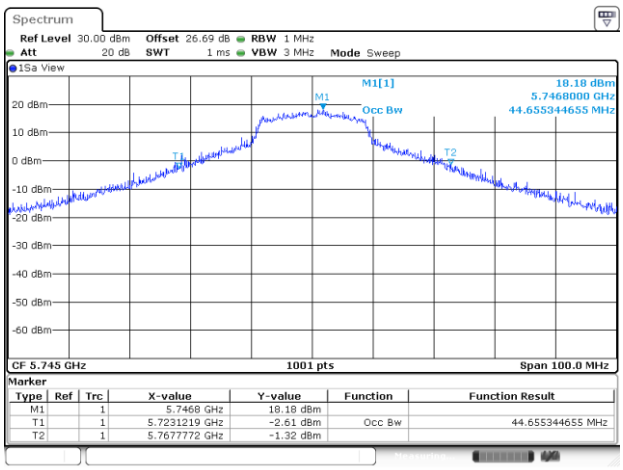
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For Band 4>

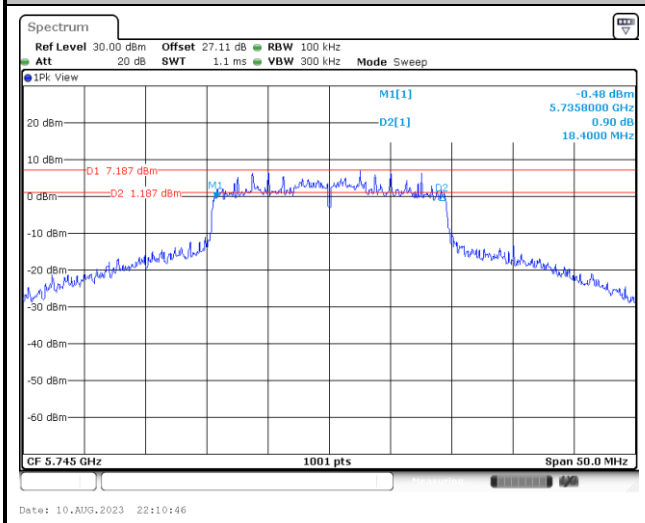
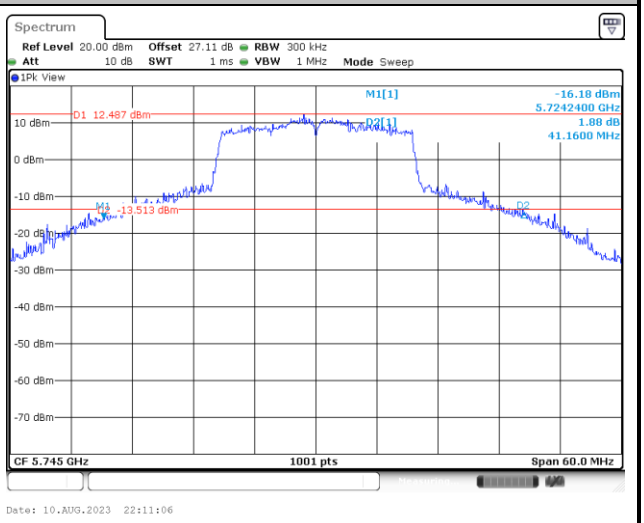
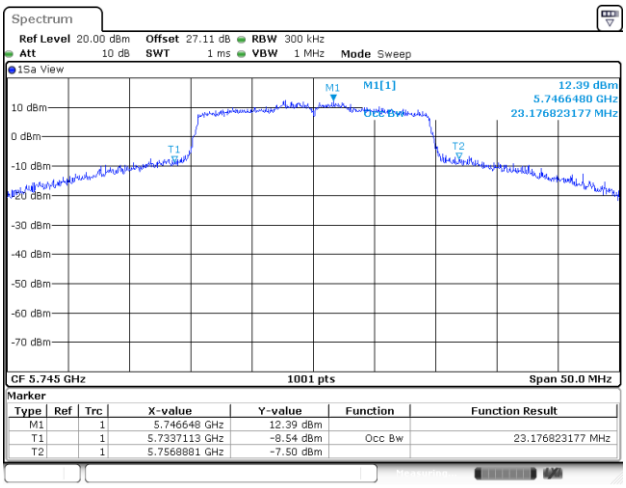
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

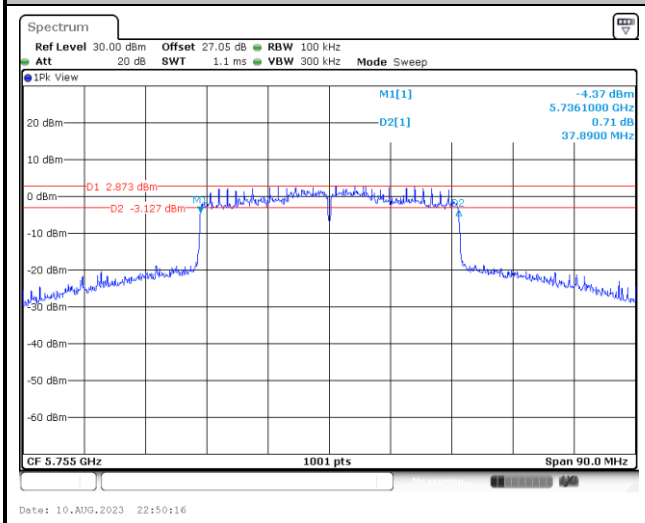
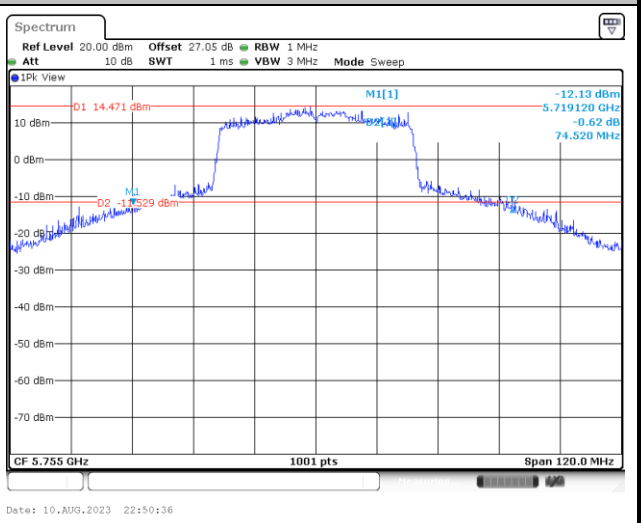
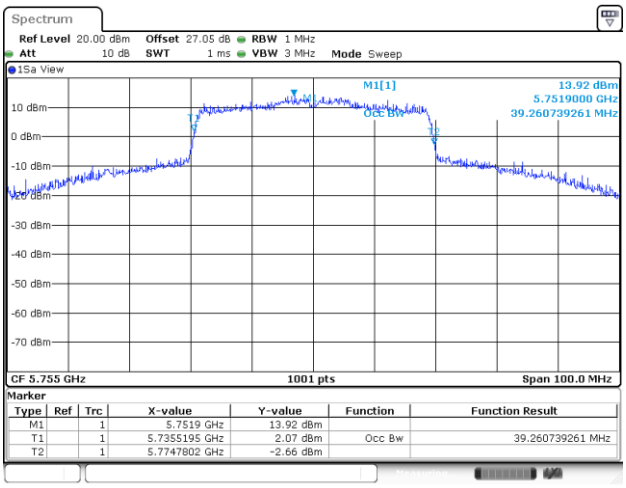
<802.11an HT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

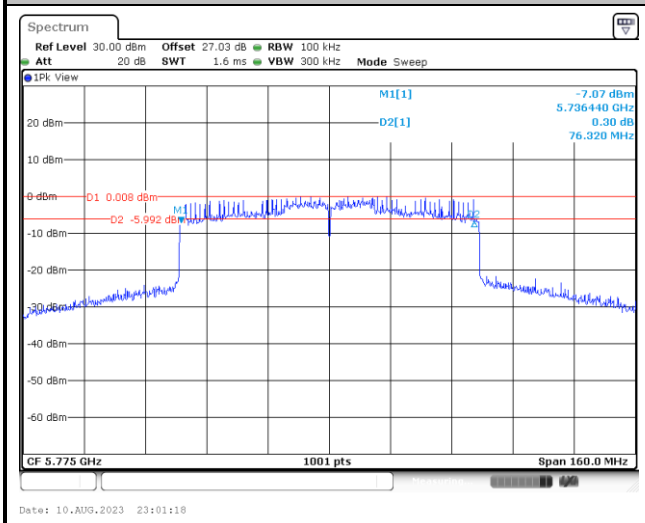
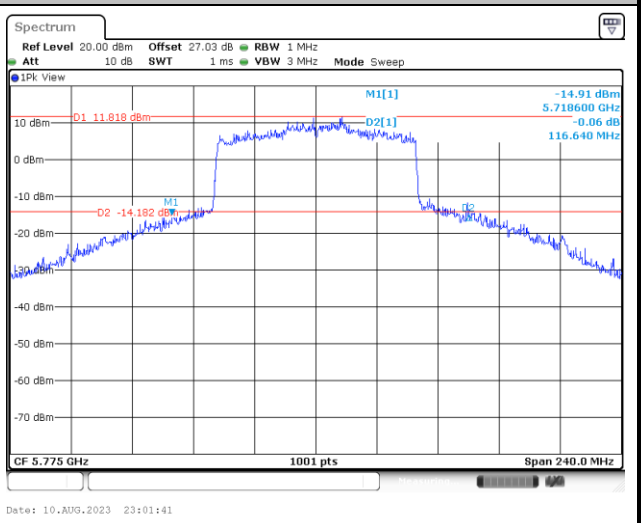
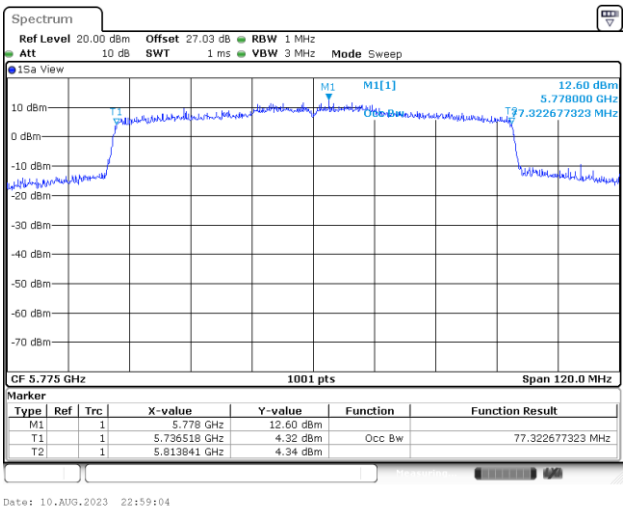
<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

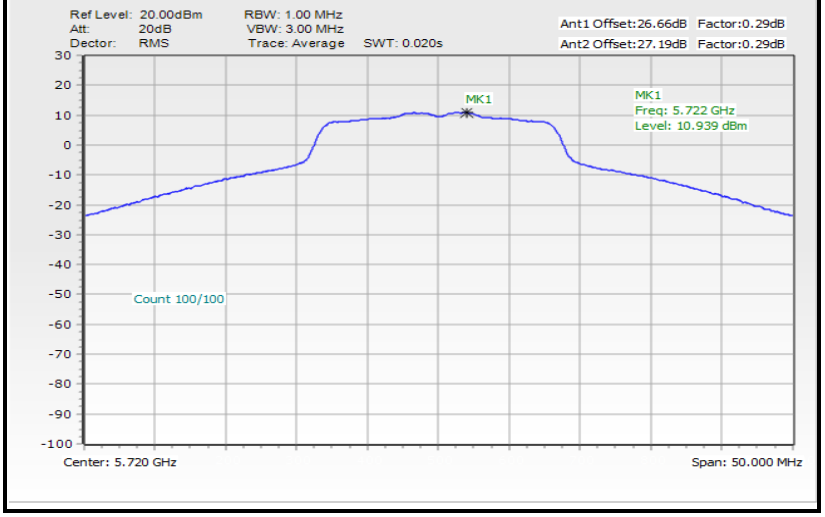
<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

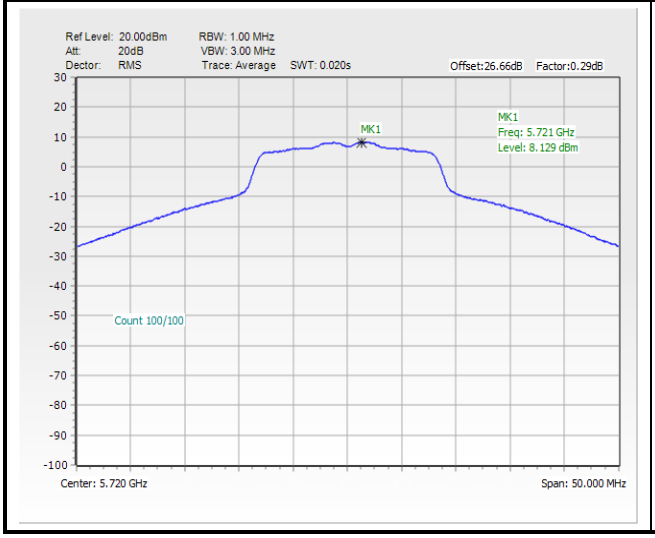
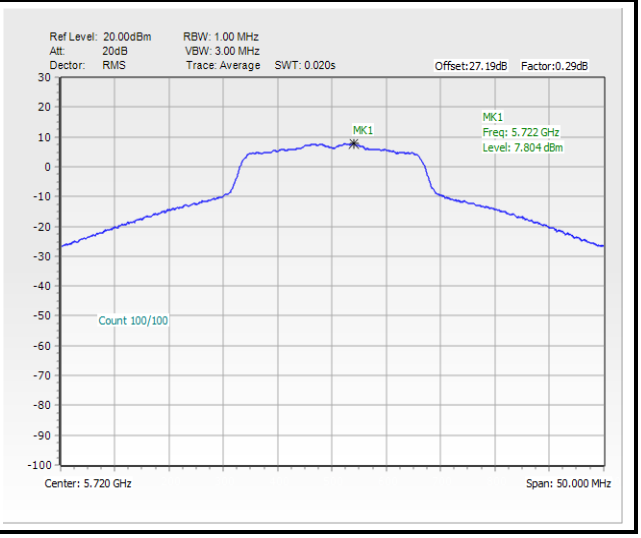
Test Result of Power Spectral Density

<For Band 1~3>

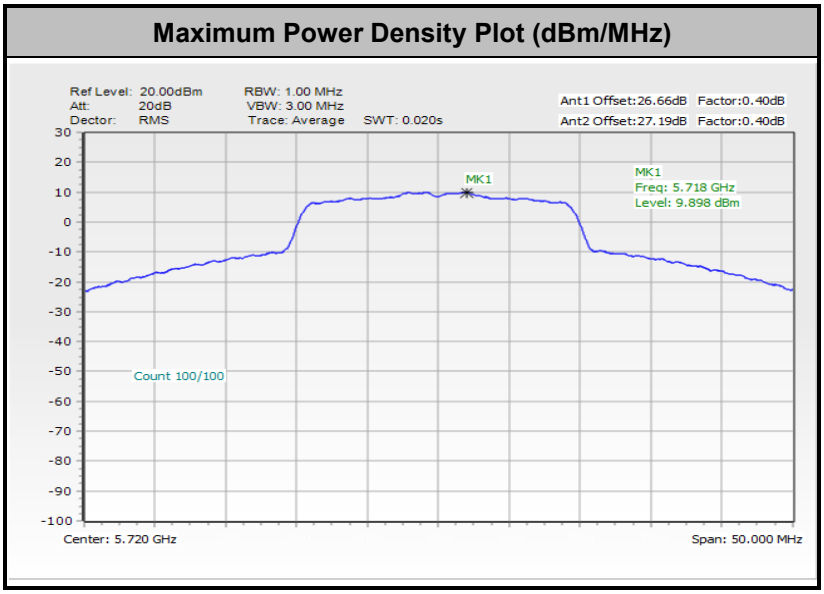
<802.11a>

Maximum Power Density Plot (dBm/MHz)


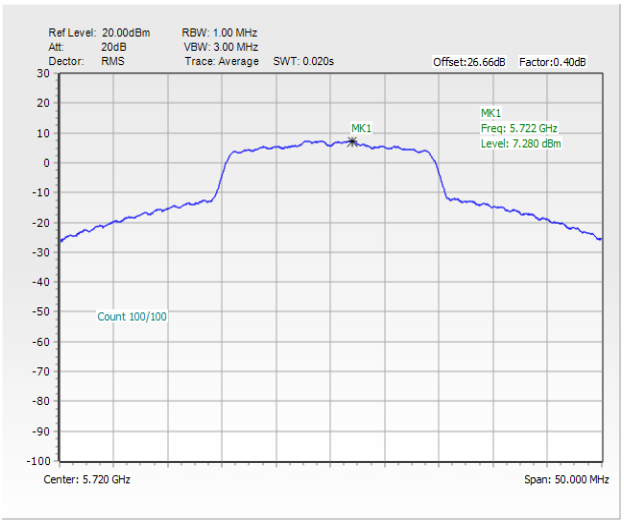
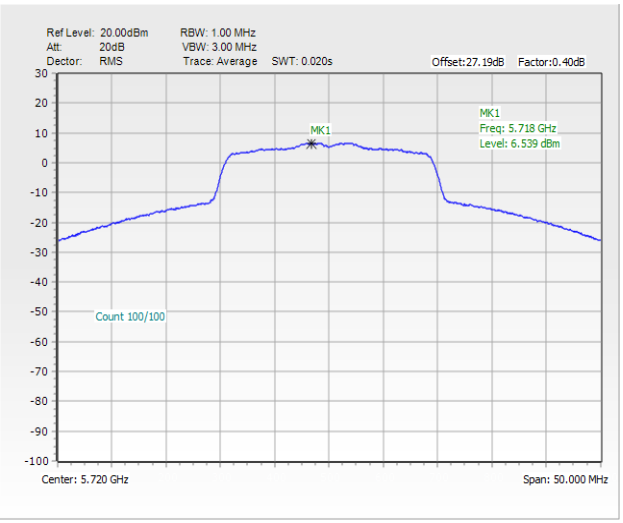
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

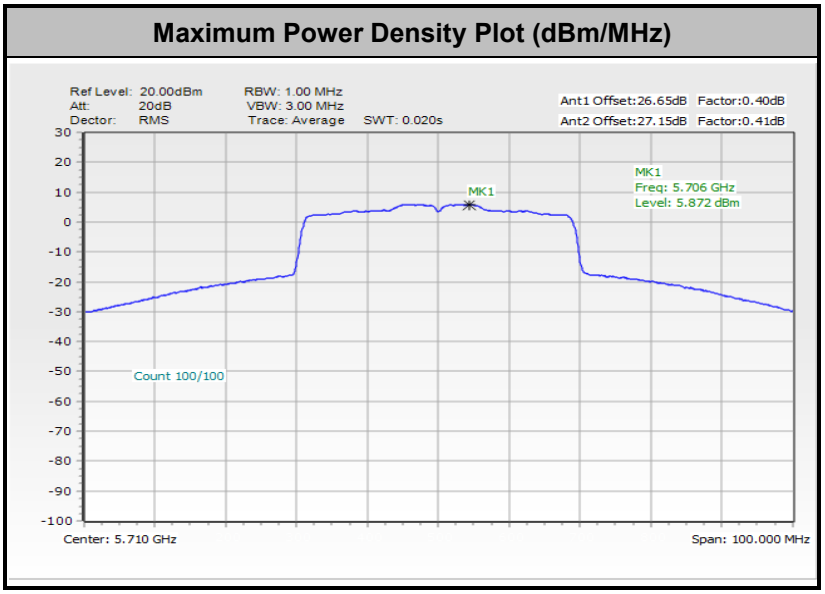
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


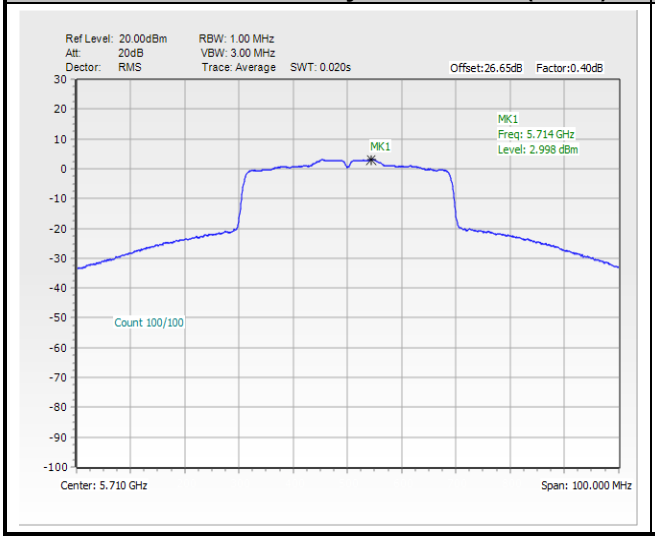
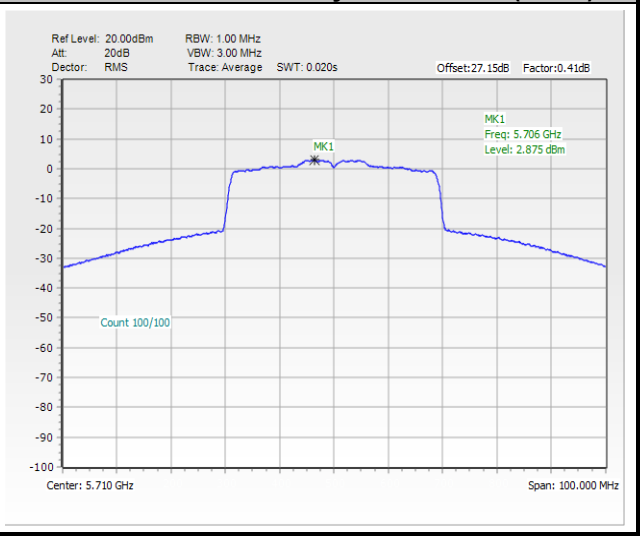
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

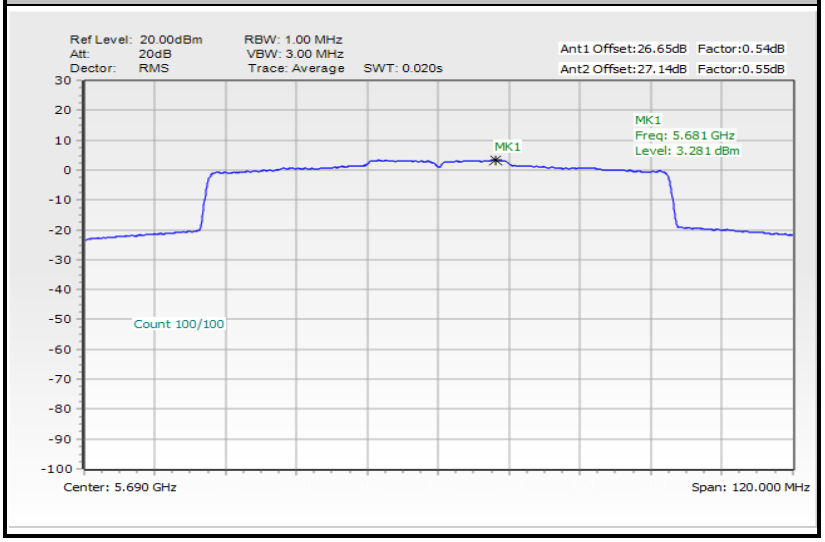
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


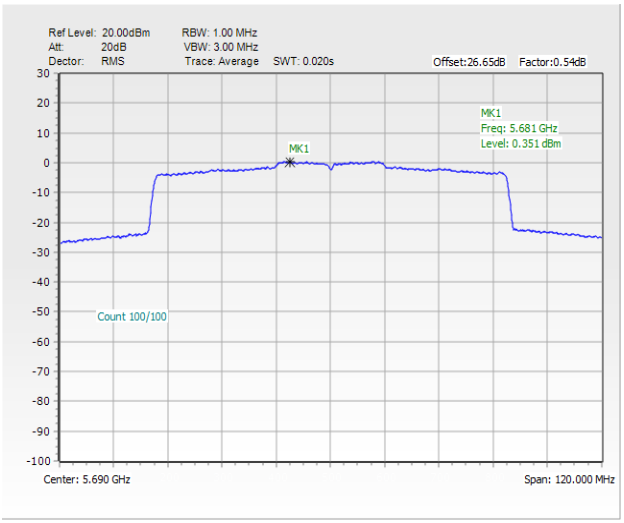
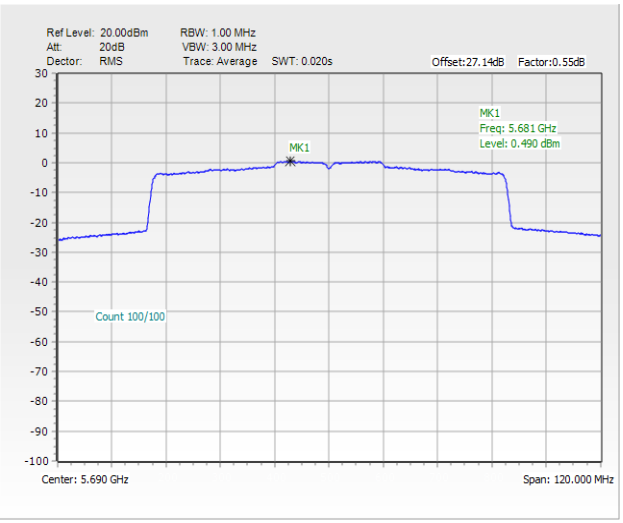
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE80>

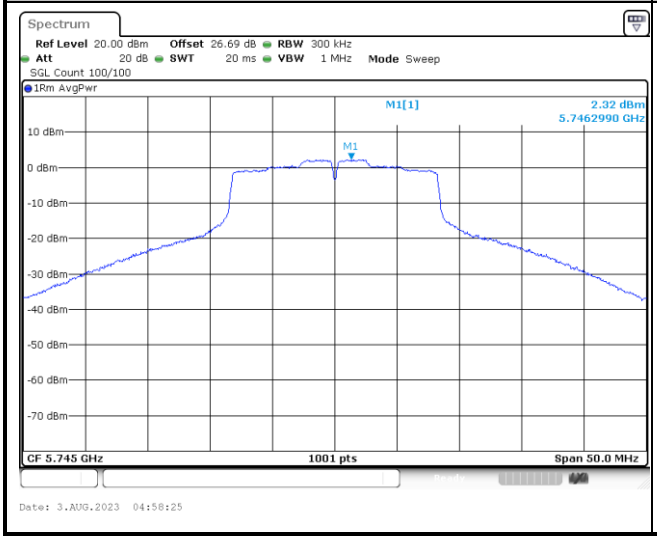
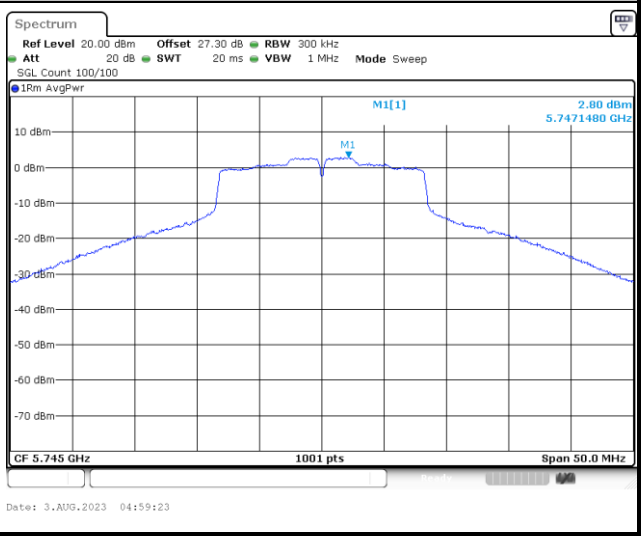
Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

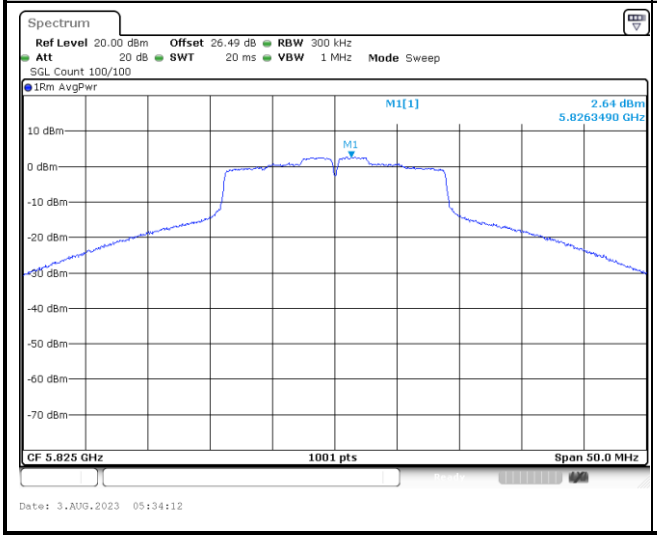
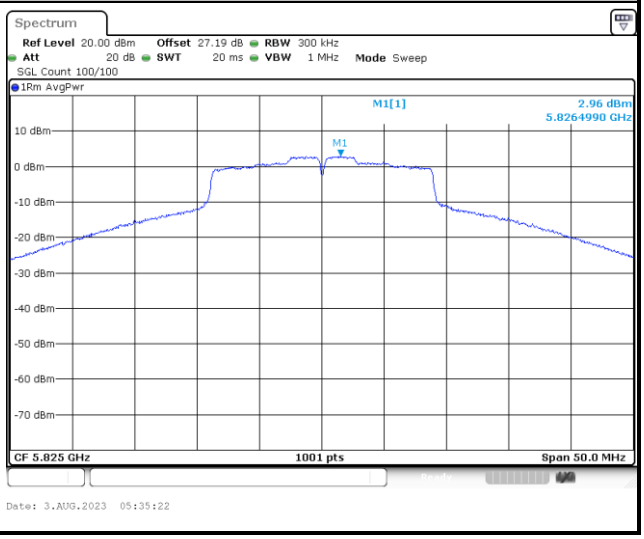
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<For Band 4>

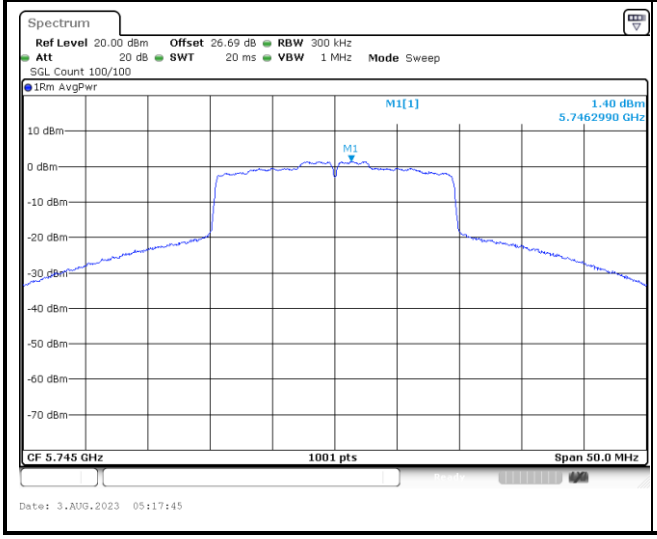
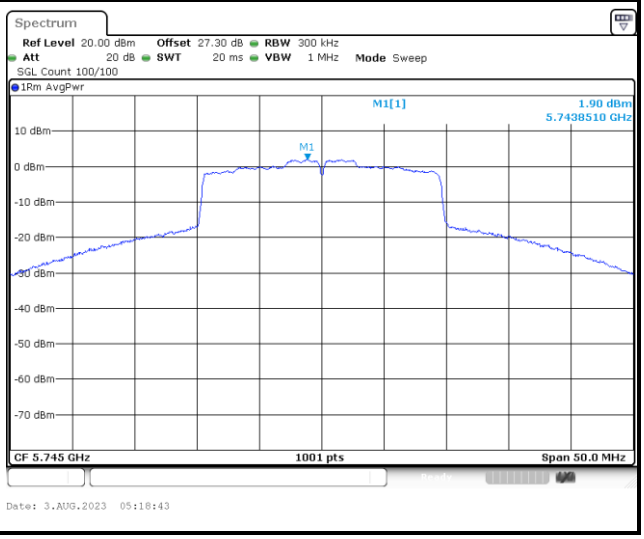
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 4	**MIMO Ant. 3**
	

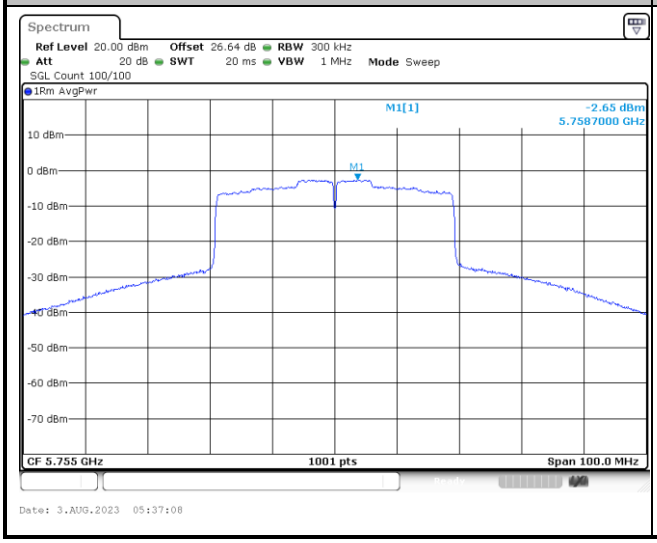
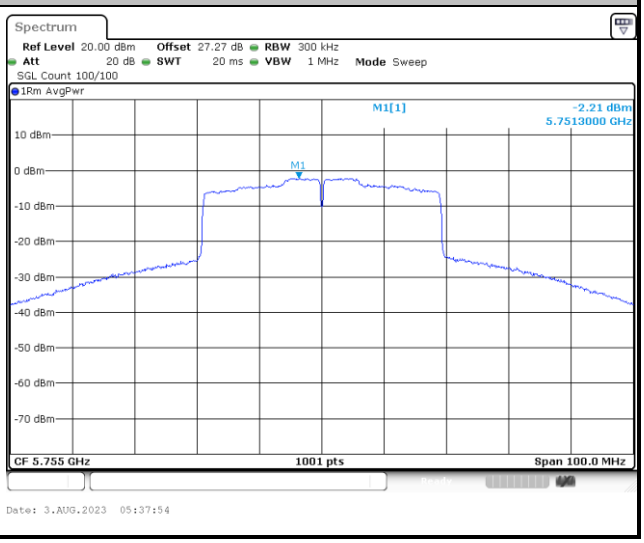
<802.11an HT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 4	**MIMO Ant. 3**
	

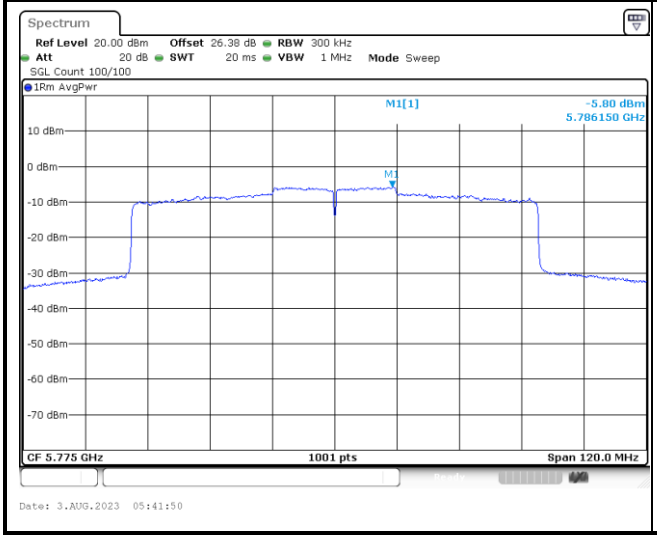
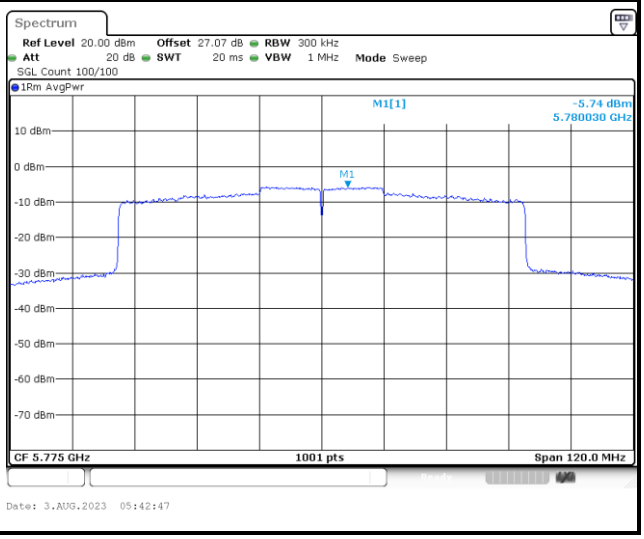
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 4	**MIMO Ant. 3**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 4	**MIMO Ant. 3**
	

<802.11ax HE80>

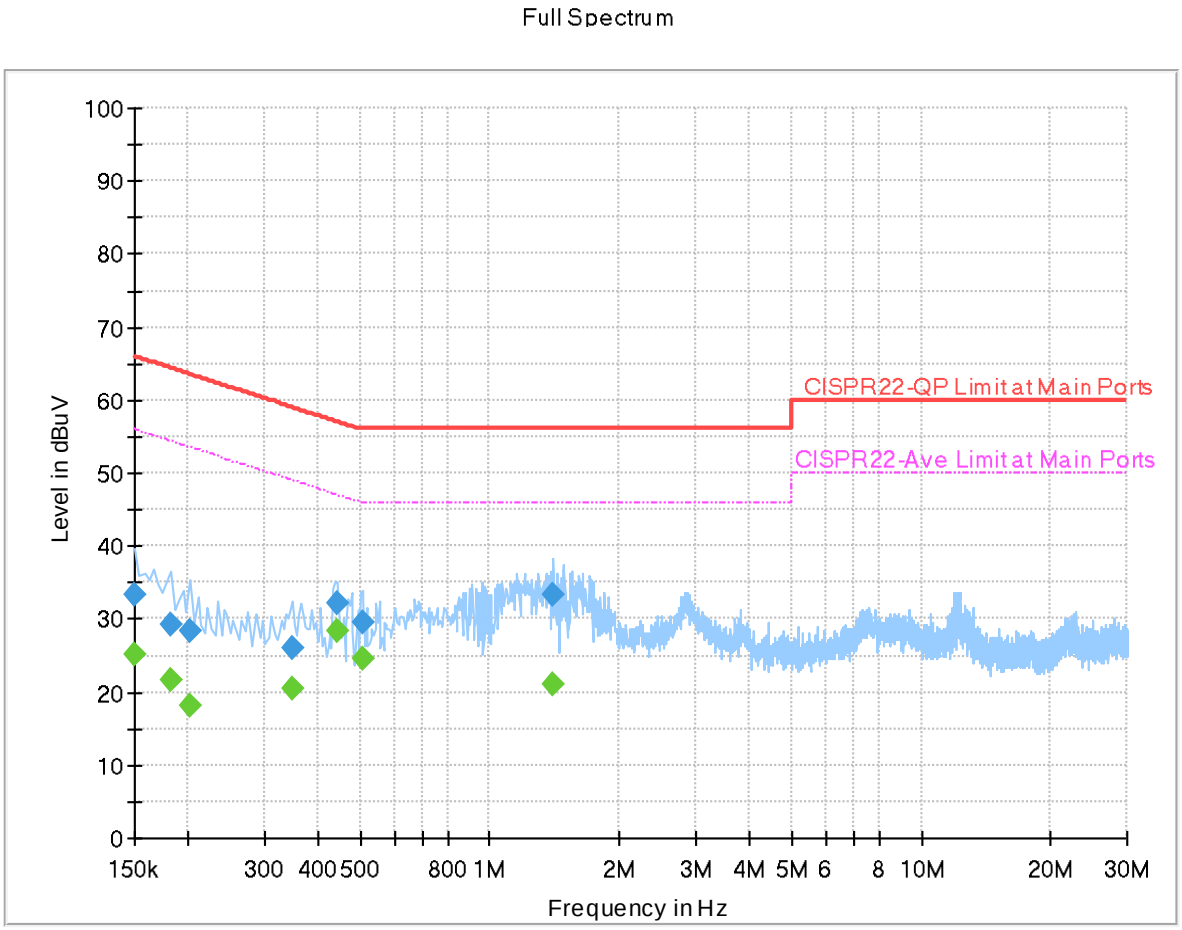
Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 4	**MIMO Ant. 3**
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.4~26.7℃
		Relative Humidity :	62.3~67.1%

EUT Information

Report NO :	380306
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

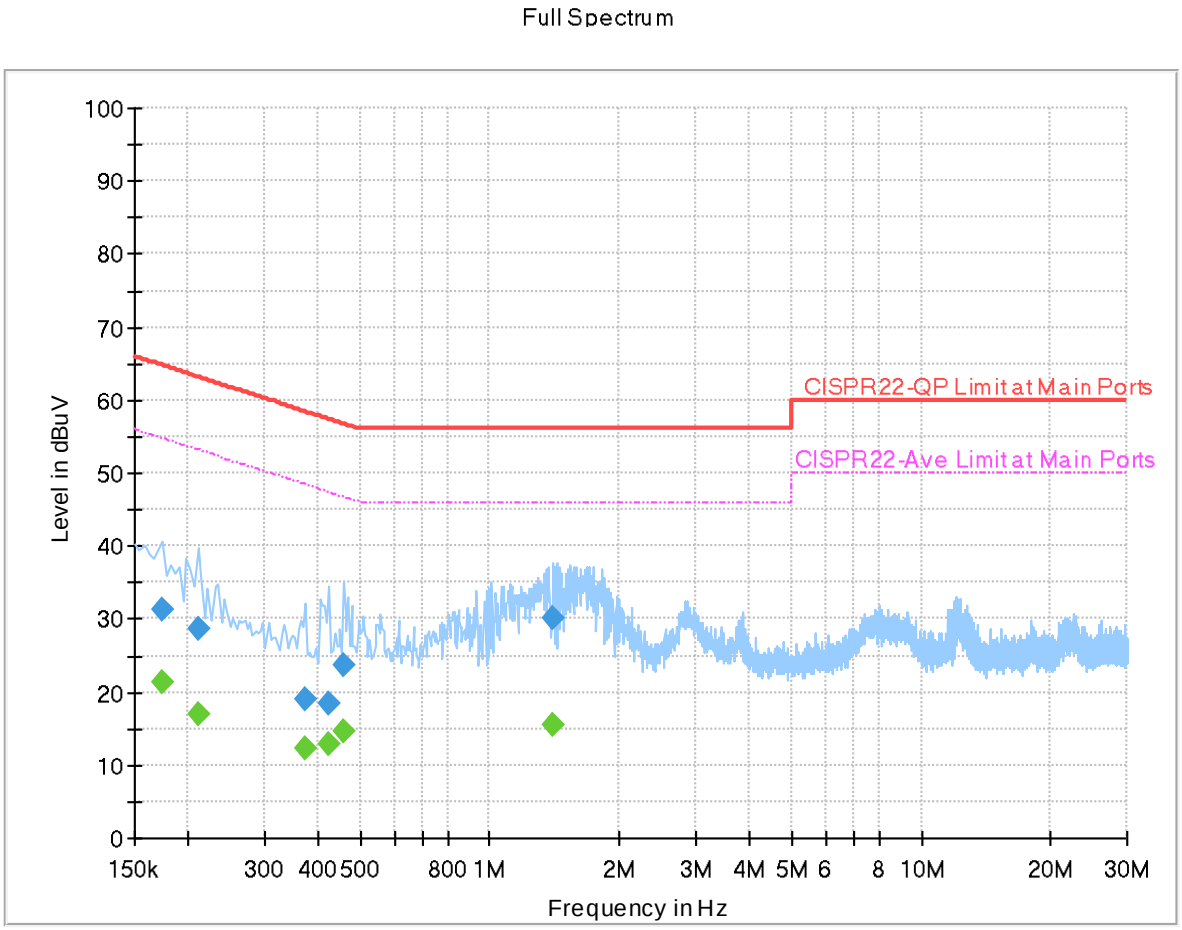


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	25.24	56.00	30.76	L1	OFF	19.9
0.150000	33.19	---	66.00	32.81	L1	OFF	19.9
0.182000	---	21.64	54.39	32.75	L1	OFF	19.9
0.182000	29.30	---	64.39	35.09	L1	OFF	19.9
0.202000	---	17.99	53.53	35.54	L1	OFF	19.9
0.202000	28.30	---	63.53	35.23	L1	OFF	19.9
0.350000	---	20.34	48.96	28.62	L1	OFF	19.9
0.350000	25.97	---	58.96	32.99	L1	OFF	19.9
0.442000	---	28.41	47.02	18.61	L1	OFF	20.0
0.442000	32.22	---	57.02	24.80	L1	OFF	20.0
0.506000	---	24.67	46.00	21.33	L1	OFF	20.0
0.506000	29.39	---	56.00	26.61	L1	OFF	20.0
1.406000	---	20.96	46.00	25.04	L1	OFF	20.0
1.406000	33.41	---	56.00	22.59	L1	OFF	20.0

EUT Information

Report NO :	380306
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	---	21.39	54.77	33.38	N	OFF	19.9
0.174000	31.18	---	64.77	33.59	N	OFF	19.9
0.210000	---	17.01	53.21	36.20	N	OFF	19.9
0.210000	28.66	---	63.21	34.55	N	OFF	19.9
0.374000	---	12.38	48.41	36.03	N	OFF	19.9
0.374000	19.07	---	58.41	39.34	N	OFF	19.9
0.422000	---	12.92	47.41	34.49	N	OFF	20.0
0.422000	18.32	---	57.41	39.09	N	OFF	20.0
0.458000	---	14.73	46.73	32.00	N	OFF	20.0
0.458000	23.65	---	56.73	33.08	N	OFF	20.0
1.406000	---	15.39	46.00	30.61	N	OFF	20.0
1.406000	30.08	---	56.00	25.92	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Bank Lin and Lu Wen-Kai	Temperature :	20~25°C
		Relative Humidity :	55~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.5	64.24	-9.76	74	51.51	32.5	14.01	33.78	100	119	P	H
		5150	52.09	-1.91	54	39.36	32.5	14.01	33.78	100	119	A	H
	*	5180	107.46	-	-	94.69	32.56	14.03	33.82	100	119	P	H
	*	5180	100.81	-	-	88.04	32.56	14.03	33.82	100	119	A	H
													H
													H
		5149.5	61.51	-12.49	74	48.78	32.5	14.01	33.78	100	284	P	V
		5149.76	51.09	-2.91	54	38.36	32.5	14.01	33.78	100	284	A	V
	*	5180	106.69	-	-	93.92	32.56	14.03	33.82	100	284	P	V
	*	5180	99.92	-	-	87.15	32.56	14.03	33.82	100	284	A	V
													V
													V
802.11a CH 40 5200MHz		5149.24	60.77	-13.23	74	49.21	32.5	12.75	33.69	109	123	P	H
		5149.5	49.82	-4.18	54	38.26	32.5	12.75	33.69	109	123	A	H
	*	5200	108.8	-	-	97.12	32.6	12.85	33.77	109	123	P	H
	*	5200	101.89	-	-	90.21	32.6	12.85	33.77	109	123	A	H
		5368.21	49.02	-24.98	74	37.47	32.5	13.08	34.03	109	123	P	H
		5443.54	39.53	-14.47	54	27.92	32.59	13.17	34.15	109	123	A	H
		5149.76	58.62	-15.38	74	47.06	32.5	12.75	33.69	100	277	P	V
		5150	49.48	-4.52	54	37.92	32.5	12.75	33.69	100	277	A	V
	*	5200	107.43	-	-	95.75	32.6	12.85	33.77	100	277	P	V
	*	5200	100.94	-	-	89.26	32.6	12.85	33.77	100	277	A	V
		5397.91	48.62	-25.38	74	37.08	32.5	13.12	34.08	100	277	P	V
		5460.01	39.47	-14.53	54	27.79	32.66	13.2	34.18	100	277	A	V

802.11a CH 44 5220MHz		5148.72	58.84	-15.16	74	46.11	32.5	14.01	33.78	100	64	P	H
		5149.24	48.1	-5.9	54	35.37	32.5	14.01	33.78	100	64	A	H
	*	5220	111.14	-	-	98.36	32.6	14.06	33.88	100	64	P	H
	*	5220	104.03	-	-	91.25	32.6	14.06	33.88	100	64	A	H
		5374.96	49.29	-24.71	74	36.79	32.5	14.12	34.12	100	64	P	H
		5459.74	40.71	-13.29	54	28.12	32.66	14.18	34.25	100	64	A	H
		5150	53.88	-20.12	74	41.15	32.5	14.01	33.78	140	83	P	V
		5150	48.06	-5.94	54	35.33	32.5	14.01	33.78	140	83	A	V
	*	5220	109	-	-	96.22	32.6	14.06	33.88	140	83	P	V
	*	5220	103.68	-	-	90.9	32.6	14.06	33.88	140	83	A	V
		5434.36	49.65	-24.35	74	37.13	32.57	14.16	34.21	140	83	P	V
		5453.8	40.63	-13.37	54	28.08	32.62	14.17	34.24	140	83	A	V
802.11a CH 48 5240MHz		5148.46	56.93	-17.07	74	44.2	32.5	14.01	33.78	281	119	P	H
		5147.94	46.33	-7.67	54	33.59	32.5	14.01	33.77	281	119	A	H
	*	5240	110.74	-	-	97.98	32.6	14.07	33.91	281	119	P	H
	*	5240	104.88	-	-	92.12	32.6	14.07	33.91	281	119	A	H
		5355.52	51.4	-22.6	74	38.88	32.5	14.11	34.09	281	119	P	H
		5350.66	42.52	-11.48	54	29.99	32.5	14.11	34.08	281	119	A	H
		5148.2	58.07	-15.93	74	45.34	32.5	14.01	33.78	102	92	P	V
		5148.2	45.37	-8.63	54	32.64	32.5	14.01	33.78	102	92	A	V
	*	5240	112.05	-	-	99.29	32.6	14.07	33.91	102	92	P	V
	*	5240	105.2	-	-	92.44	32.6	14.07	33.91	102	92	A	V
		5353.36	50.59	-23.41	74	38.07	32.5	14.11	34.09	102	92	P	V
		5350.93	42.66	-11.34	54	30.13	32.5	14.11	34.08	102	92	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. 4+3	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)
		10360	50.19	-18.01	68.2	31.92	37.46	20.06	39.25	-	-	P	H
		15540	53.72	-20.28	74	32.78	41.26	24.21	44.53	-	-	P	H
		15540	45.17	-8.83	54	24.23	41.26	24.21	44.53	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 36 5180MHz		10360	50.31	-17.89	68.2	32.04	37.46	20.06	39.25	-	-	P	V
		15540	53.51	-20.49	74	32.57	41.26	24.21	44.53	-	-	P	V
		15540	45.24	-8.76	54	24.3	41.26	24.21	44.53	-	-	A	V
													V
													V
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													V
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WIFI Ant. 4+3	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)
		10440	50.71	-17.49	68.2	32.67	37.22	20.18	39.36	-	-	P	H
		15660	54.46	-19.54	74	33.77	41.22	24.2	44.73	-	-	P	H
		15660	44.8	-9.2	54	24.11	41.22	24.2	44.73	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	49.2	-19	68.2	31.16	37.22	20.18	39.36	-	-	P	V
		15660	53.82	-20.18	74	33.13	41.22	24.2	44.73	-	-	P	V
		15660	44.76	-9.24	54	24.07	41.22	24.2	44.73	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	50.45	-17.75	68.2	32.42	37.2	20.25	39.42	-	-	P	H
		15720	53.27	-20.73	74	32.53	41.38	24.19	44.83	-	-	P	H
		15720	44.96	-9.04	54	24.22	41.38	24.19	44.83	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	49.58	-18.62	68.2	31.55	37.2	20.25	39.42	-	-	P	V
		15720	53.2	-20.8	74	32.46	41.38	24.19	44.83	-	-	P	V
		15720	44.81	-9.19	54	24.07	41.38	24.19	44.83	-	-	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 Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5148.72	61.27	-12.73	74	48.54	32.5	14.01	33.78	259	121	P	H
		5148.72	52.25	-1.75	54	39.52	32.5	14.01	33.78	259	121	A	H
	*	5180	106.49	-	-	93.72	32.56	14.03	33.82	259	121	P	H
	*	5180	100.11	-	-	87.34	32.56	14.03	33.82	259	121	A	H
802.11ax													H
HE20 Full													H
CH 36		5149.76	59.78	-14.22	74	47.05	32.5	14.01	33.78	100	272	P	V
5180MHz		5150	52.22	-1.78	54	39.49	32.5	14.01	33.78	100	272	A	V
	*	5180	106.38	-	-	93.61	32.56	14.03	33.82	100	272	P	V
	*	5180	98.65	-	-	85.88	32.56	14.03	33.82	100	272	A	V
													V
													V
		5139.88	60.57	-13.43	74	49	32.52	12.73	33.68	110	119	P	H
		5149.24	51.3	-2.7	54	39.74	32.5	12.75	33.69	110	119	A	H
	*	5200	107.68	-	-	96	32.6	12.85	33.77	110	119	P	H
	*	5200	100.65	-	-	88.97	32.6	12.85	33.77	110	119	A	H
802.11ax		5437.06	48.97	-25.03	74	37.37	32.57	13.17	34.14	110	119	P	H
HE20 Full		5460.01	39.79	-14.21	54	28.11	32.66	13.2	34.18	110	119	A	H
CH 40		5150	59.06	-14.94	74	47.5	32.5	12.75	33.69	100	273	P	V
5200MHz		5150	49.93	-4.07	54	38.37	32.5	12.75	33.69	100	273	A	V
	*	5200	105.55	-	-	93.87	32.6	12.85	33.77	100	273	P	V
	*	5200	99.49	-	-	87.81	32.6	12.85	33.77	100	273	A	V
		5363.35	48.83	-25.17	74	37.29	32.5	13.07	34.03	100	273	P	V
		5456.77	39.58	-14.42	54	27.92	32.64	13.19	34.17	100	273	A	V

		5144.82	59.8	-14.2	74	47.05	32.51	14.01	33.77	240	183	P	H
		5149.5	52.24	-1.76	54	39.51	32.5	14.01	33.78	240	183	A	H
	*	5220	110.42	-	-	97.64	32.6	14.06	33.88	240	183	P	H
	*	5220	102.66	-	-	89.88	32.6	14.06	33.88	240	183	A	H
802.11ax		5433.28	48.76	-25.24	74	36.24	32.57	14.16	34.21	240	183	P	H
HE20 Full		5351.2	41.08	-12.92	54	28.55	32.5	14.11	34.08	240	183	A	H
CH 44		5128.96	58.75	-15.25	74	45.96	32.54	14	33.75	120	84	P	V
5220MHz		5148.72	51.89	-2.11	54	39.16	32.5	14.01	33.78	120	84	A	V
	*	5220	108.44	-	-	95.66	32.6	14.06	33.88	120	84	P	V
	*	5220	102.74	-	-	89.96	32.6	14.06	33.88	120	84	A	V
		5351.74	50.1	-23.9	74	37.57	32.5	14.11	34.08	120	84	P	V
		5350.12	42.37	-11.63	54	29.84	32.5	14.11	34.08	120	84	A	V
		5148.2	56.53	-17.47	74	43.8	32.5	14.01	33.78	269	61	P	H
		5148.72	48.12	-5.88	54	35.39	32.5	14.01	33.78	269	61	A	H
	*	5240	110.87	-	-	98.11	32.6	14.07	33.91	269	61	P	H
	*	5240	104.14	-	-	91.38	32.6	14.07	33.91	269	61	A	H
802.11ax		5350.39	51.71	-22.29	74	39.18	32.5	14.11	34.08	269	61	P	H
HE20 Full		5350.39	44.86	-9.14	54	32.33	32.5	14.11	34.08	269	61	A	H
CH 48		5147.68	55.74	-18.26	74	43	32.5	14.01	33.77	101	82	P	V
5240MHz		5148.72	46.44	-7.56	54	33.71	32.5	14.01	33.78	101	82	A	V
	*	5240	109.2	-	-	96.44	32.6	14.07	33.91	101	82	P	V
	*	5240	103.43	-	-	90.67	32.6	14.07	33.91	101	82	A	V
		5353.36	50.76	-23.24	74	38.24	32.5	14.11	34.09	101	82	P	V
		5351.47	43.68	-10.32	54	31.15	32.5	14.11	34.08	101	82	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. 4+3	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)
		10360	49.84	-18.36	68.2	31.57	37.46	20.06	39.25	-	-	P	H
		15540	55.09	-18.91	74	34.15	41.26	24.21	44.53	-	-	P	H
		15540	44.82	-9.18	54	23.88	41.26	24.21	44.53	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	50.35	-17.85	68.2	32.08	37.46	20.06	39.25	-	-	P	V
5180MHz		15540	54.6	-19.4	74	33.66	41.26	24.21	44.53	-	-	P	V
		15540	44.76	-9.24	54	23.82	41.26	24.21	44.53	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10440	50.28	-17.92	68.2	32.24	37.22	20.18	39.36	-	-	P	H
		15660	53.44	-20.56	74	32.75	41.22	24.2	44.73	-	-	P	H
		15660	44.81	-9.19	54	24.12	41.22	24.2	44.73	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	50.22	-17.98	68.2	32.18	37.22	20.18	39.36	-	-	P	V
5220MHz		15660	53.37	-20.63	74	32.68	41.22	24.2	44.73	-	-	P	V
		15660	44.44	-9.56	54	23.75	41.22	24.2	44.73	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10480	50.59	-17.61	68.2	32.56	37.2	20.25	39.42	-	-	P	H
		15720	54.08	-19.92	74	33.34	41.38	24.19	44.83	-	-	P	H
		15720	44.62	-9.38	54	23.88	41.38	24.19	44.83	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	50.32	-17.88	68.2	32.29	37.2	20.25	39.42	-	-	P	V
5240MHz		15720	55.4	-18.6	74	34.66	41.38	24.19	44.83	-	-	P	V
		15720	44.52	-9.48	54	23.78	41.38	24.19	44.83	-	-	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. 1+2	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		5143.52	51.23	-22.77	74	39.66	32.51	12.74	33.68	100	67	P	H
		5109.98	41.44	-12.56	54	29.82	32.58	12.67	33.63	100	67	A	H
	*	5180	104.59	-	-	92.96	32.56	12.81	33.74	100	67	P	H
	*	5180	97.18	-	-	85.55	32.56	12.81	33.74	100	67	A	H
													H
													H
		5146.12	51.16	-22.84	74	39.6	32.51	12.74	33.69	400	83	P	V
		5096.2	41.38	-12.62	54	29.76	32.59	12.64	33.61	400	83	A	V
	*	5180	103.29	-	-	91.66	32.56	12.81	33.74	400	83	P	V
	*	5180	96.29	-	-	84.66	32.56	12.81	33.74	400	83	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 52 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5149.24	54.56	-19.44	74	43	32.5	12.75	33.69	116	60	P	H
		5147.16	41.82	-12.18	54	30.26	32.51	12.74	33.69	116	60	A	H
	*	5180	105.03	-	-	93.4	32.56	12.81	33.74	116	60	P	H
802.11ax	*	5180	97.62	-	-	85.99	32.56	12.81	33.74	116	60	A	H
HE20													H
Partial													H
52/37		5146.9	51.39	-22.61	74	39.83	32.51	12.74	33.69	400	84	P	V
CH 36		5098.54	41.58	-12.42	54	29.94	32.6	12.65	33.61	400	84	A	V
5180MHz	*	5180	106.25	-	-	94.62	32.56	12.81	33.74	400	84	P	V
	*	5180	96.35	-	-	84.72	32.56	12.81	33.74	400	84	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. 1+2	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)
		5148.46	56.54	-17.46	74	44.98	32.5	12.75	33.69	112	64	P	H
		5149.24	43.19	-10.81	54	31.63	32.5	12.75	33.69	112	64	A	H
	*	5180	104.42	-	-	92.79	32.56	12.81	33.74	112	64	P	H
802.11ax	*	5180	96.55	-	-	84.92	32.56	12.81	33.74	112	64	A	H
HE20													H
Partial													H
106/53		5149.24	56.02	-17.98	74	44.46	32.5	12.75	33.69	400	83	P	V
CH 36		5149.76	42.63	-11.37	54	31.07	32.5	12.75	33.69	400	83	A	V
5180MHz	*	5180	103.63	-	-	92	32.56	12.81	33.74	400	83	P	V
	*	5180	96.24	-	-	84.61	32.56	12.81	33.74	400	83	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. 4+3	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)
		5149.5	62.71	-11.29	74	49.98	32.5	14.01	33.78	200	191	P	H
		5149.76	49.79	-4.21	54	37.06	32.5	14.01	33.78	200	191	A	H
	*	5190	102.01	-	-	89.23	32.58	14.04	33.84	200	191	P	H
	*	5190	93.98	-	-	81.2	32.58	14.04	33.84	200	191	A	H
802.11ax		5460.01	49.61	-24.39	74	37.02	32.66	14.18	34.25	200	191	P	H
HE40 Full		5453.53	40.55	-13.45	54	28	32.62	14.17	34.24	200	191	A	H
CH 38		5150	60.59	-13.41	74	47.86	32.5	14.01	33.78	165	94	P	V
5190MHz		5150	49.45	-4.55	54	36.72	32.5	14.01	33.78	165	94	A	V
	*	5190	101.27	-	-	88.49	32.58	14.04	33.84	165	94	P	V
	*	5190	93.24	-	-	80.46	32.58	14.04	33.84	165	94	A	V
		5451.91	50.55	-23.45	74	38.01	32.61	14.17	34.24	165	94	P	V
		5459.74	40.64	-13.36	54	28.05	32.66	14.18	34.25	165	94	A	V
		5148.98	58.67	-15.33	74	45.94	32.5	14.01	33.78	112	63	P	H
		5149.76	51.1	-2.9	54	38.37	32.5	14.01	33.78	112	63	A	H
	*	5230	107.23	-	-	94.47	32.6	14.06	33.9	112	63	P	H
	*	5230	98.96	-	-	86.2	32.6	14.06	33.9	112	63	A	H
802.11ax		5358.49	52.13	-21.87	74	39.61	32.5	14.11	34.09	112	63	P	H
HE40 Full		5350.66	44.37	-9.63	54	31.84	32.5	14.11	34.08	112	63	A	H
CH 46		5147.42	58.84	-15.16	74	46.09	32.51	14.01	33.77	388	80	P	V
5230MHz		5149.76	51.49	-2.51	54	38.76	32.5	14.01	33.78	388	80	A	V
	*	5230	106.26	-	-	93.5	32.6	14.06	33.9	388	80	P	V
	*	5230	96.51	-	-	83.75	32.6	14.06	33.9	388	80	A	V
		5350.66	52.52	-21.48	74	39.99	32.5	14.11	34.08	388	80	P	V
		5350.39	43.07	-10.93	54	30.54	32.5	14.11	34.08	388	80	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. 4+3	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)
		10380	51.52	-16.68	68.2	33.33	37.38	20.09	39.28	-	-	P	H
		15570	54.01	-19.99	74	33.18	41.2	24.21	44.58	-	-	P	H
		15570	44.66	-9.34	54	23.83	41.2	24.21	44.58	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	50.36	-17.84	68.2	32.17	37.38	20.09	39.28	-	-	P	V
5190MHz		15570	54.67	-19.33	74	33.84	41.2	24.21	44.58	-	-	P	V
		15570	44.62	-9.38	54	23.79	41.2	24.21	44.58	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10460	50.43	-17.77	68.2	32.4	37.2	20.22	39.39	-	-	P	H
		15690	54.08	-19.92	74	33.39	41.28	24.19	44.78	-	-	P	H
		15690	44.59	-9.41	54	23.9	41.28	24.19	44.78	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	50.88	-17.32	68.2	32.85	37.2	20.22	39.39	-	-	P	V
5230MHz		15690	54.01	-19.99	74	33.32	41.28	24.19	44.78	-	-	P	V
		15690	44.46	-9.54	54	23.77	41.28	24.19	44.78	-	-	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 HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5133.62	60.79	-13.21	74	48.01	32.53	14	33.75	248	121	P	H
		5148.58	49.98	-4.02	54	37.25	32.5	14.01	33.78	248	121	A	H
	*	5210	100.98	-	-	88.2	32.6	14.05	33.87	248	121	P	H
	*	5210	91.83	-	-	79.05	32.6	14.05	33.87	248	121	A	H
802.11ax		5356	54.55	-19.45	74	42.03	32.5	14.11	34.09	248	121	P	H
HE80 Full		5450.64	41.84	-12.16	54	29.3	32.6	14.17	34.23	248	121	A	H
CH 42		5149.94	56.84	-17.16	74	44.11	32.5	14.01	33.78	400	82	P	V
5210MHz		5147.9	47.78	-6.22	54	35.04	32.5	14.01	33.77	400	82	A	V
	*	5210	98.12	-	-	85.34	32.6	14.05	33.87	400	82	P	V
	*	5210	89.41	-	-	76.63	32.6	14.05	33.87	400	82	A	V
		5443.88	54.11	-19.89	74	41.57	32.59	14.17	34.22	400	82	P	V
		5420.22	41.98	-12.02	54	29.48	32.54	14.15	34.19	400	82	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. 4+3	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)
		10420	49.86	-18.34	68.2	31.78	37.26	20.15	39.33	-	-	P	H
		15630	54.23	-19.77	74	33.51	41.2	24.2	44.68	-	-	P	H
		15630	44.59	-9.41	54	23.87	41.2	24.2	44.68	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	49.87	-18.33	68.2	31.79	37.26	20.15	39.33	-	-	P	V
5210MHz		15630	53.58	-20.42	74	32.86	41.2	24.2	44.68	-	-	P	V
		15630	44.5	-9.5	54	23.78	41.2	24.2	44.68	-	-	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 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	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		5146.2	55.33	-18.67	74	42.58	32.51	14.01	33.77	302	64	P	H
		5147.56	45.36	-8.64	54	32.62	32.5	14.01	33.77	302	64	A	H
	*	5260	110.57	-	-	97.87	32.58	14.07	33.95	302	64	P	H
	*	5260	103.93	-	-	91.23	32.58	14.07	33.95	302	64	A	H
		5352.24	58.15	-15.85	74	45.63	32.5	14.11	34.09	302	64	P	H
		5351.04	49.58	-4.42	54	37.05	32.5	14.11	34.08	302	64	A	H
		5140.42	54.62	-19.38	74	41.85	32.52	14.01	33.76	118	90	P	V
		5149.94	45.3	-8.7	54	32.57	32.5	14.01	33.78	118	90	A	V
	*	5260	111.44	-	-	98.74	32.58	14.07	33.95	118	90	P	V
	*	5260	104.24	-	-	91.54	32.58	14.07	33.95	118	90	A	V
		5351.52	58.24	-15.76	74	45.71	32.5	14.11	34.08	118	90	P	V
		5351.28	49.65	-4.35	54	37.12	32.5	14.11	34.08	118	90	A	V
802.11a CH 60 5300MHz		5045.76	51.9	-22.1	74	39.07	32.52	13.93	33.62	100	116	P	H
		5005.46	42.71	-11.29	54	29.69	32.68	13.9	33.56	100	116	A	H
	*	5300	110.32	-	-	97.74	32.5	14.09	34.01	100	116	P	H
	*	5300	104	-	-	91.42	32.5	14.09	34.01	100	116	A	H
		5352.82	59.83	-14.17	74	47.31	32.5	14.11	34.09	100	116	P	H
		5350.93	51.93	-2.07	54	39.4	32.5	14.11	34.08	100	116	A	H
		5081.9	52.63	-21.37	74	39.78	32.56	13.96	33.67	109	272	P	V
		5005.98	42.62	-11.38	54	29.6	32.68	13.9	33.56	109	272	A	V
	*	5300	109.99	-	-	97.41	32.5	14.09	34.01	109	272	P	V
	*	5300	103.21	-	-	90.63	32.5	14.09	34.01	109	272	A	V
		5352.28	58.94	-15.06	74	46.42	32.5	14.11	34.09	109	272	P	V
		5351.47	51.26	-2.74	54	38.73	32.5	14.11	34.08	109	272	A	V

802.11a CH 64 5320MHz	*	5320	107.23	-	-	94.67	32.5	14.1	34.04	100	62	P	H
	*	5320	100.86	-	-	88.3	32.5	14.1	34.04	100	62	A	H
		5350.08	62.97	-11.03	74	50.44	32.5	14.11	34.08	100	62	P	H
		5350.08	51.52	-2.48	54	38.99	32.5	14.11	34.08	100	62	A	H
													H
													H
	*	5320	106.16	-	-	93.6	32.5	14.1	34.04	100	278	P	V
	*	5320	99.26	-	-	86.7	32.5	14.1	34.04	100	278	A	V
		5350.24	64.21	-9.79	74	51.68	32.5	14.11	34.08	100	278	P	V
		5350.08	51.11	-2.89	54	38.58	32.5	14.11	34.08	100	278	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. 4+3	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)
		10520	49.21	-18.99	68.2	31.12	37.24	20.31	39.46	-	-	P	H
		15780	54.57	-19.43	74	33.83	41.5	24.18	44.94	-	-	P	H
		15780	44.79	-9.21	54	24.05	41.5	24.18	44.94	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 52 5260MHz		10520	50.36	-17.84	68.2	32.27	37.24	20.31	39.46	-	-	P	V
		15780	54.67	-19.33	74	33.93	41.5	24.18	44.94	-	-	P	V
		15780	44.71	-9.29	54	23.97	41.5	24.18	44.94	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10600	50.59	-23.41	74	32.26	37.4	20.44	39.51	-	-	P	H
		10600	41.14	-12.86	54	22.81	37.4	20.44	39.51	-	-	A	H
		15900	53.23	-20.77	74	32.9	41.3	24.17	45.14	-	-	P	H
		15900	44.25	-9.75	54	23.92	41.3	24.17	45.14	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz		10600	50.4	-23.6	74	32.07	37.4	20.44	39.51	-	-	P	V
		10600	40.87	-13.13	54	22.54	37.4	20.44	39.51	-	-	A	V
		15900	53.59	-20.41	74	33.26	41.3	24.17	45.14	-	-	P	V
		15900	44.25	-9.75	54	23.92	41.3	24.17	45.14	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	50.62	-23.38	74	32.17	37.48	20.5	39.53	-	-	P	H
		10640	41.48	-12.52	54	23.03	37.48	20.5	39.53	-	-	A	H
		15960	53.34	-20.66	74	33.2	41.22	24.16	45.24	-	-	P	H
		15960	44.21	-9.79	54	24.07	41.22	24.16	45.24	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10640	50.56	-23.44	74	32.11	37.48	20.5	39.53	-	-	P	V
		10640	41.48	-12.52	54	23.03	37.48	20.5	39.53	-	-	A	V
		15960	54.46	-19.54	74	34.32	41.22	24.16	45.24	-	-	P	V
		15960	44.3	-9.7	54	24.16	41.22	24.16	45.24	-	-	A	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. 4+3	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)
		5148.92	55.9	-18.1	74	43.17	32.5	14.01	33.78	270	123	P	H
		5148.58	44.9	-9.1	54	32.17	32.5	14.01	33.78	270	123	A	H
	*	5260	110.99	-	-	98.29	32.58	14.07	33.95	270	123	P	H
	*	5260	104.04	-	-	91.34	32.58	14.07	33.95	270	123	A	H
802.11ax		5360.88	54.1	-19.9	74	41.59	32.5	14.11	34.1	270	123	P	H
HE20 Full		5350.8	46.76	-7.24	54	34.23	32.5	14.11	34.08	270	123	A	H
CH 52		5146.2	54.22	-19.78	74	41.47	32.51	14.01	33.77	115	92	P	V
5260MHz		5148.92	44.4	-9.6	54	31.67	32.5	14.01	33.78	115	92	A	V
	*	5260	109.31	-	-	96.61	32.58	14.07	33.95	115	92	P	V
	*	5260	103.35	-	-	90.65	32.58	14.07	33.95	115	92	A	V
		5350.32	54.81	-19.19	74	42.28	32.5	14.11	34.08	115	92	P	V
		5350.08	46.32	-7.68	54	33.79	32.5	14.11	34.08	115	92	A	V
		5032.3	51.18	-22.82	74	38.29	32.57	13.92	33.6	100	122	P	H
		5011.22	42.71	-11.29	54	29.71	32.66	13.91	33.57	100	122	A	H
	*	5300	109.52	-	-	96.94	32.5	14.09	34.01	100	122	P	H
	*	5300	101.17	-	-	88.59	32.5	14.09	34.01	100	122	A	H
802.11ax		5354.4	59.97	-14.03	74	47.45	32.5	14.11	34.09	100	122	P	H
HE20 Full		5350.08	51.87	-2.13	54	39.34	32.5	14.11	34.08	100	122	A	H
CH 60		5079.56	52.03	-21.97	74	39.18	32.56	13.96	33.67	400	85	P	V
5300MHz		5014.96	42.77	-11.23	54	29.79	32.64	13.91	33.57	400	85	A	V
	*	5300	105.64	-	-	93.06	32.5	14.09	34.01	400	85	P	V
	*	5300	98	-	-	85.42	32.5	14.09	34.01	400	85	A	V
		5350.56	60.56	-13.44	74	48.03	32.5	14.11	34.08	400	85	P	V
		5350.56	50.41	-3.59	54	37.88	32.5	14.11	34.08	400	85	A	V

	*	5320	106.23	-	-	93.67	32.5	14.1	34.04	101	62	P	H
	*	5320	99.85	-	-	87.29	32.5	14.1	34.04	101	62	A	H
		5351.84	63.4	-10.6	74	50.87	32.5	14.11	34.08	101	62	P	H
		5351.84	52.23	-1.77	54	39.7	32.5	14.11	34.08	101	62	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	106.07	-	-	93.51	32.5	14.1	34.04	100	84	P	V
5320MHz	*	5320	99.13	-	-	86.57	32.5	14.1	34.04	100	84	A	V
		5350.56	63.56	-10.44	74	51.03	32.5	14.11	34.08	100	84	P	V
		5350.72	52.12	-1.88	54	39.59	32.5	14.11	34.08	100	84	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. 4+3	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)
		10520	50.42	-17.78	68.2	32.33	37.24	20.31	39.46	-	-	P	H
		15780	54.55	-19.45	74	33.81	41.5	24.18	44.94	-	-	P	H
		15780	45.34	-8.66	54	24.6	41.5	24.18	44.94	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	49.77	-18.43	68.2	31.68	37.24	20.31	39.46	-	-	P	V
5260MHz		15780	55.28	-18.72	74	34.54	41.5	24.18	44.94	-	-	P	V
		15780	45.37	-8.63	54	24.63	41.5	24.18	44.94	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10600	51.23	-22.77	74	32.9	37.4	20.44	39.51	-	-	P	H
		10600	41.46	-12.54	54	23.13	37.4	20.44	39.51	-	-	A	H
		15900	54.26	-19.74	74	33.93	41.3	24.17	45.14	-	-	P	H
		15900	45.07	-8.93	54	24.74	41.3	24.17	45.14	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	50.82	-23.18	74	32.49	37.4	20.44	39.51	-	-	P	V
5300MHz		10600	41.71	-12.29	54	23.38	37.4	20.44	39.51	-	-	A	V
		15900	55.56	-18.44	74	35.23	41.3	24.17	45.14	-	-	P	V
		15900	45.05	-8.95	54	24.72	41.3	24.17	45.14	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10640	52.01	-21.99	74	33.56	37.48	20.5	39.53	-	-	P	H
		10640	41.66	-12.34	54	23.21	37.48	20.5	39.53	-	-	A	H
		15960	55.98	-18.02	74	35.84	41.22	24.16	45.24	-	-	P	H
		15960	44.63	-9.37	54	24.49	41.22	24.16	45.24	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	51.84	-22.16	74	33.39	37.48	20.5	39.53	-	-	P	V
5320MHz		10640	41.67	-12.33	54	23.22	37.48	20.5	39.53	-	-	A	V
		15960	55.1	-18.9	74	34.96	41.22	24.16	45.24	-	-	P	V
		15960	44.51	-9.49	54	24.37	41.22	24.16	45.24	-	-	A	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. 1+2	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	105.08	-	-	93.53	32.5	13.01	33.96	108	350	P	H
	*	5320	96.39	-	-	84.84	32.5	13.01	33.96	108	350	A	H
		5350.24	54.44	-19.56	74	42.9	32.5	13.05	34.01	108	350	P	H
		5352.32	39.44	-14.56	54	27.89	32.5	13.06	34.01	108	350	A	H
													H
													H
	*	5320	102.75	-	-	91.2	32.5	13.01	33.96	400	90	P	V
	*	5320	95.42	-	-	83.87	32.5	13.01	33.96	400	90	A	V
		5350.4	50.98	-23.02	74	39.44	32.5	13.05	34.01	400	90	P	V
		5448	39.29	-14.71	54	27.67	32.6	13.18	34.16	400	90	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 52 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
	*	5320	106.49	-	-	94.94	32.5	13.01	33.96	108	348	P	H
	*	5320	96.57	-	-	85.02	32.5	13.01	33.96	108	348	A	H
		5350.72	56.21	-17.79	74	44.67	32.5	13.05	34.01	108	348	P	H
802.11ax		5351.2	40.58	-13.42	54	29.04	32.5	13.05	34.01	108	348	A	H
HE20													H
Partial													H
52/40	*	5320	104.69	-	-	93.14	32.5	13.01	33.96	400	86	P	V
CH 64	*	5320	96.3	-	-	84.75	32.5	13.01	33.96	400	86	A	V
5320MHz		5353.12	51.54	-22.46	74	39.99	32.5	13.06	34.01	400	86	P	V
		5351.2	40.37	-13.63	54	28.83	32.5	13.05	34.01	400	86	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. 1+2	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)
	*	5320	104.06	-	-	92.51	32.5	13.01	33.96	100	28	P	H
	*	5320	96.58	-	-	85.03	32.5	13.01	33.96	100	28	A	H
		5351.84	55.91	-18.09	74	44.37	32.5	13.05	34.01	100	28	P	H
802.11ax		5350.08	42.59	-11.41	54	31.05	32.5	13.05	34.01	100	28	A	H
HE20													H
Partial													H
106/54	*	5320	104.68	-	-	93.13	32.5	13.01	33.96	379	80	P	V
CH 64	*	5320	96.22	-	-	84.67	32.5	13.01	33.96	379	80	A	V
5320MHz		5352.48	55.37	-18.63	74	43.82	32.5	13.06	34.01	379	80	P	V
		5350.72	42.61	-11.39	54	31.07	32.5	13.05	34.01	379	80	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. 4+3	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		5148.58	54.21	-19.79	74	41.48	32.5	14.01	33.78	100	63	P	H
		5148.24	43.31	-10.69	54	30.58	32.5	14.01	33.78	100	63	A	H
	*	5270	104.94	-	-	92.26	32.56	14.08	33.96	100	63	P	H
	*	5270	98.45	-	-	85.77	32.56	14.08	33.96	100	63	A	H
		5350.56	60.23	-13.77	74	47.7	32.5	14.11	34.08	100	63	P	H
		5350.08	51	-3	54	38.47	32.5	14.11	34.08	100	63	A	H
		5034	52.68	-21.32	74	39.79	32.56	13.93	33.6	400	90	P	V
		5109.82	42.76	-11.24	54	29.92	32.58	13.98	33.72	400	90	A	V
	*	5270	105.78	-	-	93.1	32.56	14.08	33.96	400	90	P	V
	*	5270	96.66	-	-	83.98	32.56	14.08	33.96	400	90	A	V
		5352.24	57.4	-16.6	74	44.88	32.5	14.11	34.09	400	90	P	V
		5350.08	48.96	-5.04	54	36.43	32.5	14.11	34.08	400	90	A	V
802.11ax HE40 Full CH 62 5310MHz		5032.3	52.45	-21.55	74	39.56	32.57	13.92	33.6	266	58	P	H
		5033.66	42.68	-11.32	54	29.78	32.57	13.93	33.6	266	58	A	H
	*	5310	100.73	-	-	88.16	32.5	14.09	34.02	266	58	P	H
	*	5310	93.07	-	-	80.5	32.5	14.09	34.02	266	58	A	H
		5351.04	58.61	-15.39	74	46.08	32.5	14.11	34.08	266	58	P	H
		5350.8	49.74	-4.26	54	37.21	32.5	14.11	34.08	266	58	A	H
		5067.32	52.19	-21.81	74	39.36	32.53	13.95	33.65	122	80	P	V
		5009.86	42.73	-11.27	54	29.72	32.66	13.91	33.56	122	80	A	V
	*	5310	101.26	-	-	88.69	32.5	14.09	34.02	122	80	P	V
	*	5310	93.47	-	-	80.9	32.5	14.09	34.02	122	80	A	V
		5350.56	59.36	-14.64	74	46.83	32.5	14.11	34.08	122	80	P	V
		5350.32	50.48	-3.52	54	37.95	32.5	14.11	34.08	122	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		10540	49.92	-18.28	68.2	31.77	37.28	20.34	39.47	-	-	P	H
		15810	55.21	-18.79	74	34.54	41.48	24.18	44.99	-	-	P	H
		15810	44.96	-9.04	54	24.29	41.48	24.18	44.99	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	50.45	-17.75	68.2	32.3	37.28	20.34	39.47	-	-	P	V
5270MHz		15810	54.46	-19.54	74	33.79	41.48	24.18	44.99	-	-	P	V
		15810	44.89	-9.11	54	24.22	41.48	24.18	44.99	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		10620	50.94	-23.06	74	32.55	37.44	20.47	39.52	-	-	P	H
		10620	41.51	-12.49	54	23.12	37.44	20.47	39.52	-	-	A	H
		15930	53.76	-20.24	74	33.54	41.24	24.17	45.19	-	-	P	H
		15930	44.49	-9.51	54	24.27	41.24	24.17	45.19	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	51.1	-22.9	74	32.71	37.44	20.47	39.52	-	-	P	V
5310MHz		10620	41.37	-12.63	54	22.98	37.44	20.47	39.52	-	-	A	V
		15930	54.11	-19.89	74	33.89	41.24	24.17	45.19	-	-	P	V
		15930	44.42	-9.58	54	24.2	41.24	24.17	45.19	-	-	A	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. 4+3	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)
		5027	51.9	-22.1	74	38.98	32.59	13.92	33.59	250	115	P	H
		5117.3	43.24	-10.76	54	30.41	32.57	13.99	33.73	250	115	A	H
	*	5290	98.05	-	-	85.43	32.52	14.09	33.99	250	115	P	H
	*	5290	90.86	-	-	78.24	32.52	14.09	33.99	250	115	A	H
802.11ax		5351.52	60.21	-13.79	74	47.68	32.5	14.11	34.08	250	115	P	H
HE80 Full		5351.28	52.08	-1.92	54	39.55	32.5	14.11	34.08	250	115	A	H
CH 58		5066.6	52.13	-21.87	74	39.3	32.53	13.95	33.65	100	86	P	V
5290MHz		5092.4	43.04	-10.96	54	30.18	32.58	13.97	33.69	100	86	A	V
	*	5290	97.87	-	-	85.25	32.52	14.09	33.99	100	86	P	V
	*	5290	90.57	-	-	77.95	32.52	14.09	33.99	100	86	A	V
		5351.04	59.47	-14.53	74	46.94	32.5	14.11	34.08	100	86	P	V
		5351.04	52.38	-1.62	54	39.85	32.5	14.11	34.08	100	86	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. 4+3	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)
		10580	50.01	-18.19	68.2	31.73	37.36	20.41	39.49	-	-	P	H
		15870	54.86	-19.14	74	34.42	41.36	24.17	45.09	-	-	P	H
		15870	44.93	-9.07	54	24.49	41.36	24.17	45.09	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	49.92	-18.28	68.2	31.64	37.36	20.41	39.49	-	-	P	V
5290MHz		15870	54.04	-19.96	74	33.6	41.36	24.17	45.09	-	-	P	V
		15870	44.81	-9.19	54	24.37	41.36	24.17	45.09	-	-	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 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	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		5457.68	60.4	-13.6	74	47.82	32.65	14.18	34.25	124	6	P	H
		5468.08	66.17	-2.03	68.2	53.54	32.71	14.18	34.26	124	6	P	H
		5460	48.54	-5.46	54	35.95	32.66	14.18	34.25	124	6	A	H
	*	5500	108.98	-	-	96.18	32.9	14.21	34.31	124	6	P	H
	*	5500	102.73	-	-	89.93	32.9	14.21	34.31	124	6	A	H
													H
		5456.08	58.87	-15.13	74	46.3	32.64	14.17	34.24	124	91	P	V
		5468.08	63.69	-4.51	68.2	51.06	32.71	14.18	34.26	124	91	P	V
		5459.92	45.7	-8.3	54	33.11	32.66	14.18	34.25	124	91	A	V
	*	5500	109.38	-	-	96.58	32.9	14.21	34.31	124	91	P	V
	*	5500	102.31	-	-	89.51	32.9	14.21	34.31	124	91	A	V
													V
802.11a CH 104 5520MHz		5458.48	60.11	-13.89	74	48.45	32.65	13.19	34.18	100	358	P	H
		5467.6	64.19	-4.01	68.2	52.47	32.71	13.2	34.19	100	358	P	H
		5459.92	50.67	-3.33	54	39	32.66	13.19	34.18	100	358	A	H
	*	5520	110.29	-	-	98.26	33.02	13.27	34.26	100	358	P	H
	*	5520	104.18	-	-	92.15	33.02	13.27	34.26	100	358	A	H
		5748.305	50.94	-17.26	68.2	37.79	33.99	13.59	34.43	100	358	P	H
		5458.48	59.34	-14.66	74	47.68	32.65	13.19	34.18	100	92	P	V
		5470	62.54	-5.66	68.2	50.8	32.72	13.21	34.19	100	92	P	V
		5459.92	48.68	-5.32	54	37.01	32.66	13.19	34.18	100	92	A	V
	*	5520	111.96	-	-	99.93	33.02	13.27	34.26	100	92	P	V
	*	5520	105.31	-	-	93.28	33.02	13.27	34.26	100	92	A	V
		5761.22	50.59	-17.61	68.2	37.42	34	13.61	34.44	100	92	P	V

802.11a CH 116 5580MHz		5448.88	49.11	-24.89	74	36.57	32.6	14.17	34.23	109	118	P	H
		5466.88	49.91	-18.29	68.2	37.29	32.7	14.18	34.26	109	118	P	H
		5458	41.2	-12.8	54	28.62	32.65	14.18	34.25	109	118	A	H
	*	5580	113.97	-	-	100.9	33.2	14.27	34.4	109	118	P	H
	*	5580	107.38	-	-	94.31	33.2	14.27	34.4	109	118	A	H
		5743.58	53.21	-14.99	68.2	39.45	33.96	14.39	34.59	109	118	P	H
		5455.36	49.58	-24.42	74	37.02	32.63	14.17	34.24	177	95	P	V
		5462.32	50.99	-17.21	68.2	38.39	32.67	14.18	34.25	177	95	P	V
		5458.96	40.84	-13.16	54	28.26	32.65	14.18	34.25	177	95	A	V
	*	5580	111.65	-	-	98.58	33.2	14.27	34.4	177	95	P	V
	*	5580	104.11	-	-	91.04	33.2	14.27	34.4	177	95	A	V
		5744.21	51.21	-16.99	68.2	37.44	33.97	14.39	34.59	177	95	P	V
802.11a CH 136 5680MHz	*	5680	108.65	-	-	95.92	33.62	13.49	34.38	296	58	P	H
	*	5680	103.24	-	-	90.51	33.62	13.49	34.38	296	58	A	H
		5725.48	65.34	-2.86	68.2	52.34	33.85	13.56	34.41	296	58	P	H
													H
													H
													H
	*	5680	110.26	-	-	97.53	33.62	13.49	34.38	100	92	P	V
	*	5680	103.63	-	-	90.9	33.62	13.49	34.38	100	92	A	V
		5725.48	64.08	-4.12	68.2	51.08	33.85	13.56	34.41	100	92	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

802.11a CH 140 5700MHz	*	5700	107.29	-	-	93.77	33.7	14.36	34.54	100	353	P	H
	*	5700	101.98	-	-	88.46	33.7	14.36	34.54	100	353	A	H
		5726.44	63.53	-4.67	68.2	49.86	33.86	14.38	34.57	100	353	P	H
													H
													H
													H
	*	5700	106.41	-	-	92.89	33.7	14.36	34.54	116	84	P	V
	*	5700	99.99	-	-	86.47	33.7	14.36	34.54	116	84	A	V
		5725	62.77	-5.43	68.2	49.11	33.85	14.38	34.57	116	84	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		11000	51.5	-22.5	74	32.25	37.9	21.08	39.73	-	-	P	H
		11000	42.07	-11.93	54	22.82	37.9	21.08	39.73	-	-	A	H
		16500	54.36	-13.84	68.2	34.32	41.2	24.74	45.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz		11000	51.89	-22.11	74	32.64	37.9	21.08	39.73	-	-	P	V
		11000	42.01	-11.99	54	22.76	37.9	21.08	39.73	-	-	A	V
		16500	53.87	-14.33	68.2	33.83	41.2	24.74	45.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11160	52.71	-21.29	74	33.25	38.34	20.98	39.86	-	-	P	H
		11160	42.26	-11.74	54	22.8	38.34	20.98	39.86	-	-	A	H
		16740	54.67	-13.53	68.2	34.63	40.98	25.01	45.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	53.21	-20.79	74	33.75	38.34	20.98	39.86	-	-	P	V
		11160	42.46	-11.54	54	23	38.34	20.98	39.86	-	-	A	V
		16740	54.18	-14.02	68.2	34.14	40.98	25.01	45.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	52.11	-21.89	74	32.33	39	20.85	40.07	-	-	P	H
		11400	42.75	-11.25	54	22.97	39	20.85	40.07	-	-	A	H
		17100	53.79	-14.41	68.2	33.79	40.7	25.41	46.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	52.23	-21.77	74	32.45	39	20.85	40.07	-	-	P	V
		11400	42.58	-11.42	54	22.8	39	20.85	40.07	-	-	A	V
		17100	53.89	-14.31	68.2	33.89	40.7	25.41	46.11	-	-	P	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 3 - 5470~5725MHz

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

WIFI Ant. 4+3	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)
		5456.72	59.68	-14.32	74	47.1	32.64	14.18	34.24	118	61	P	H
		5466.96	64.24	-3.96	68.2	51.62	32.7	14.18	34.26	118	61	P	H
		5460	47.14	-6.86	54	34.55	32.66	14.18	34.25	118	61	A	H
	*	5500	108.31	-	-	95.51	32.9	14.21	34.31	118	61	P	H
802.11ax	*	5500	101.26	-	-	88.46	32.9	14.21	34.31	118	61	A	H
HE20 Full		5456.08	55.86	-18.14	74	43.29	32.64	14.17	34.24	100	280	P	V
CH 100		5468.08	62.76	-5.44	68.2	50.13	32.71	14.18	34.26	100	280	P	V
5500MHz		5459.92	45.7	-8.3	54	33.11	32.66	14.18	34.25	100	280	A	V
	*	5500	106.35	-	-	93.55	32.9	14.21	34.31	100	280	P	V
	*	5500	99.06	-	-	86.26	32.9	14.21	34.31	100	280	A	V
													V
													V
		5454.4	59.63	-14.37	74	47.98	32.63	13.19	34.17	100	356	P	H
		5466.4	63.55	-4.65	68.2	51.84	32.7	13.2	34.19	100	356	P	H
		5459.92	51.07	-2.93	54	39.4	32.66	13.19	34.18	100	356	A	H
	*	5520	109.86	-	-	97.83	33.02	13.27	34.26	100	356	P	H
802.11ax	*	5520	102.68	-	-	90.65	33.02	13.27	34.26	100	356	A	H
HE20 Full		5743.58	51.16	-17.04	68.2	38.04	33.96	13.59	34.43	100	356	P	H
CH 104		5459.92	59.21	-14.79	74	47.54	32.66	13.19	34.18	100	79	P	V
5520MHz		5467.84	62.68	-5.52	68.2	50.96	32.71	13.2	34.19	100	79	P	V
		5459.92	49.88	-4.12	54	38.21	32.66	13.19	34.18	100	79	A	V
	*	5520	111.21	-	-	99.18	33.02	13.27	34.26	100	79	P	V
	*	5520	103.13	-	-	91.1	33.02	13.27	34.26	100	79	A	V
		5763.425	50.79	-17.41	68.2	37.61	34	13.62	34.44	100	79	P	V

		5444.56	49.83	-24.17	74	37.3	32.59	14.17	34.23	302	28	P	H
		5460.4	48.78	-19.42	68.2	36.19	32.66	14.18	34.25	302	28	P	H
		5458.24	40.81	-13.19	54	28.23	32.65	14.18	34.25	302	28	A	H
	*	5580	112.16	-	-	99.09	33.2	14.27	34.4	302	28	P	H
802.11ax	*	5580	105.84	-	-	92.77	33.2	14.27	34.4	302	28	A	H
HE20 Full		5756.81	50.42	-17.78	68.2	36.62	34	14.4	34.6	302	28	P	H
CH 116		5455.36	49.98	-24.02	74	37.42	32.63	14.17	34.24	101	80	P	V
5580MHz		5461.84	48.74	-19.46	68.2	36.14	32.67	14.18	34.25	101	80	P	V
		5458.48	40.93	-13.07	54	28.35	32.65	14.18	34.25	101	80	A	V
	*	5580	111.58	-	-	98.51	33.2	14.27	34.4	101	80	P	V
	*	5580	105.61	-	-	92.54	33.2	14.27	34.4	101	80	A	V
		5729.72	51.89	-16.31	68.2	38.2	33.88	14.38	34.57	101	80	P	V
	*	5680	113.14	-	-	100.41	33.62	13.49	34.38	238	63	P	H
	*	5680	103.62	-	-	90.89	33.62	13.49	34.38	238	63	A	H
		5725.48	65.91	-2.29	68.2	52.91	33.85	13.56	34.41	238	63	P	H
													H
802.11ax													H
HE20 Full													H
CH 136	*	5680	109.1	-	-	96.37	33.62	13.49	34.38	100	89	P	V
5680MHz	*	5680	101.44	-	-	88.71	33.62	13.49	34.38	100	89	A	V
		5727.08	65.19	-3.01	68.2	52.18	33.86	13.56	34.41	100	89	P	V
													V
													V
													V

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

	*	5700	106.33	-	-	92.81	33.7	14.36	34.54	100	354	P	H
	*	5700	99.2	-	-	85.68	33.7	14.36	34.54	100	354	A	H
		5725.32	66.36	-1.84	68.2	52.7	33.85	14.38	34.57	100	354	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	104.38	-	-	90.86	33.7	14.36	34.54	325	62	P	V
5700MHz	*	5700	97.81	-	-	84.29	33.7	14.36	34.54	325	62	A	V
		5725.72	66.2	-2	68.2	52.54	33.85	14.38	34.57	325	62	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. 4+3	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)
		11000	52.67	-21.33	74	33.42	37.9	21.08	39.73	-	-	P	H
		11000	42.48	-11.52	54	23.23	37.9	21.08	39.73	-	-	A	H
		16500	54.4	-13.8	68.2	34.36	41.2	24.74	45.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	51.78	-22.22	74	32.53	37.9	21.08	39.73	-	-	P	V
5500MHz		11000	42.37	-11.63	54	23.12	37.9	21.08	39.73	-	-	A	V
		16500	54.53	-13.67	68.2	34.49	41.2	24.74	45.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11160	52.72	-21.28	74	33.26	38.34	20.98	39.86	-	-	P	H
		11160	42.54	-11.46	54	23.08	38.34	20.98	39.86	-	-	A	H
		16740	53.65	-14.55	68.2	33.61	40.98	25.01	45.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	52	-22	74	32.54	38.34	20.98	39.86	-	-	P	V
5580MHz		11160	42.5	-11.5	54	23.04	38.34	20.98	39.86	-	-	A	V
		16740	53.86	-14.34	68.2	33.82	40.98	25.01	45.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11400	52.83	-21.17	74	33.05	39	20.85	40.07	-	-	P	H
		11400	42.83	-11.17	54	23.05	39	20.85	40.07	-	-	A	H
		17100	54.19	-14.01	68.2	34.19	40.7	25.41	46.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	53.22	-20.78	74	33.44	39	20.85	40.07	-	-	P	V
5700MHz		11400	42.84	-11.16	54	23.06	39	20.85	40.07	-	-	A	V
		17100	54.17	-14.03	68.2	34.17	40.7	25.41	46.11	-	-	P	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 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	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		5458.16	49.92	-24.08	74	38.25	32.65	13.19	34.17	100	7	P	H
		5464.4	52.7	-15.5	68.2	40.99	32.69	13.2	34.18	100	7	P	H
		5451.28	39.75	-14.25	54	28.12	32.61	13.18	34.16	100	7	A	H
	*	5500	106.26	-	-	94.36	32.9	13.24	34.24	100	7	P	H
	*	5500	99.7	-	-	87.8	32.9	13.24	34.24	100	7	A	H
													H
		5458.48	51.58	-22.42	74	39.92	32.65	13.19	34.18	100	87	P	V
		5466.96	53.49	-14.71	68.2	41.78	32.7	13.2	34.19	100	87	P	V
		5455.6	39.62	-14.38	54	27.97	32.63	13.19	34.17	100	87	A	V
	*	5500	104.72	-	-	92.82	32.9	13.24	34.24	100	87	P	V
	*	5500	97.05	-	-	85.15	32.9	13.24	34.24	100	87	A	V
													V
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	105.22	-	-	92.39	33.7	13.52	34.39	249	62	P	H
	*	5700	98.44	-	-	85.61	33.7	13.52	34.39	249	62	A	H
		5725.48	57.27	-10.93	68.2	44.27	33.85	13.56	34.41	249	62	P	H
													H
													H
													H
	*	5700	103.89	-	-	91.06	33.7	13.52	34.39	118	91	P	V
	*	5700	95.81	-	-	82.98	33.7	13.52	34.39	118	91	A	V
		5732.12	53.59	-14.61	68.2	40.55	33.89	13.57	34.42	118	91	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 52 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5459.12	53.09	-20.91	74	41.43	32.65	13.19	34.18	100	7	P	H
		5466.8	55.2	-13	68.2	43.49	32.7	13.2	34.19	100	7	P	H
		5459.76	40.62	-13.38	54	28.95	32.66	13.19	34.18	100	7	A	H
802.11ax	*	5500	109.07	-	-	97.17	32.9	13.24	34.24	100	7	P	H
HE20	*	5500	100.18	-	-	88.28	32.9	13.24	34.24	100	7	A	H
Partial													H
52/37		5459.9	51.26	-22.74	74	39.59	32.66	13.19	34.18	126	87	P	V
CH 100		5469.2	56.52	-11.68	68.2	44.78	32.72	13.21	34.19	126	87	P	V
5500MHz		5456.56	40.22	-13.78	54	28.56	32.64	13.19	34.17	126	87	A	V
	*	5500	105.28	-	-	93.38	32.9	13.24	34.24	126	87	P	V
	*	5500	97.83	-	-	85.93	32.9	13.24	34.24	126	87	A	V
													V
	*	5700	103.78	-	-	90.95	33.7	13.52	34.39	136	28	P	H
	*	5700	96.83	-	-	84	33.7	13.52	34.39	136	28	A	H
		5725.96	59.79	-8.41	68.2	46.78	33.86	13.56	34.41	136	28	P	H
802.11ax													H
HE20													H
Partial													H
52/40	*	5700	103.41	-	-	90.58	33.7	13.52	34.39	114	90	P	V
CH 140	*	5700	96.08	-	-	83.25	33.7	13.52	34.39	114	90	A	V
5700MHz		5726.44	55.76	-12.44	68.2	42.75	33.86	13.56	34.41	114	90	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. 1+2	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)
		5459.6	55.66	-18.34	74	43.99	32.66	13.19	34.18	116	6	P	H
		5469.84	59	-9.2	68.2	47.26	32.72	13.21	34.19	116	6	P	H
		5459.44	41.52	-12.48	54	29.85	32.66	13.19	34.18	116	6	A	H
802.11ax	*	5500	109.47	-	-	97.57	32.9	13.24	34.24	116	6	P	H
HE20	*	5500	99.43	-	-	87.53	32.9	13.24	34.24	116	6	A	H
Partial													H
106/53		5459.28	54.17	-19.83	74	42.5	32.66	13.19	34.18	115	94	P	V
CH 100		5469.2	58.57	-9.63	68.2	46.83	32.72	13.21	34.19	115	94	P	V
5500MHz		5458.64	40.47	-13.53	54	28.81	32.65	13.19	34.18	115	94	A	V
	*	5500	105.38	-	-	93.48	32.9	13.24	34.24	115	94	P	V
	*	5500	97.09	-	-	85.19	32.9	13.24	34.24	115	94	A	V
													V
	*	5700	105.53	-	-	92.7	33.7	13.52	34.39	246	59	P	H
	*	5700	97.47	-	-	84.64	33.7	13.52	34.39	246	59	A	H
		5726.2	62.18	-6.02	68.2	49.17	33.86	13.56	34.41	246	59	P	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	103.56	-	-	90.73	33.7	13.52	34.39	109	98	P	V
CH 140	*	5700	94.8	-	-	81.97	33.7	13.52	34.39	109	98	A	V
5700MHz		5728.2	59.92	-8.28	68.2	46.9	33.87	13.56	34.41	109	98	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. 4+3	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)
		5457.76	61.69	-12.31	74	49.11	32.65	14.18	34.25	124	62	P	H
		5468.08	66.45	-1.75	68.2	53.82	32.71	14.18	34.26	124	62	P	H
		5459.68	50.26	-3.74	54	37.67	32.66	14.18	34.25	124	62	A	H
	*	5510	106.09	-	-	93.23	32.96	14.22	34.32	124	62	P	H
802.11ax	*	5510	97.61	-	-	84.75	32.96	14.22	34.32	124	62	A	H
HE40 Full		5728.46	53.43	-14.77	68.2	39.75	33.87	14.38	34.57	124	62	P	H
CH 102		5457.52	59.13	-14.87	74	46.55	32.65	14.18	34.25	100	280	P	V
5510MHz		5468.56	63.95	-4.25	68.2	51.32	32.71	14.18	34.26	100	280	P	V
		5459.68	48.63	-5.37	54	36.04	32.66	14.18	34.25	100	280	A	V
	*	5510	103.7	-	-	90.84	32.96	14.22	34.32	100	280	P	V
	*	5510	95.62	-	-	82.76	32.96	14.22	34.32	100	280	A	V
		5748.935	51.17	-17.03	68.2	37.38	33.99	14.39	34.59	100	280	P	V
		5453.92	60.59	-13.41	74	48.04	32.62	14.17	34.24	126	62	P	H
		5466.88	62.6	-5.6	68.2	49.98	32.7	14.18	34.26	126	62	P	H
		5459.68	50.4	-3.6	54	37.81	32.66	14.18	34.25	126	62	A	H
	*	5550	108.61	-	-	95.53	33.2	14.25	34.37	126	62	P	H
802.11ax	*	5550	100.9	-	-	87.82	33.2	14.25	34.37	126	62	A	H
HE40 Full		5751.455	50.61	-17.59	68.2	36.81	34	14.4	34.6	126	62	P	H
CH 110		5456.56	59.43	-14.57	74	46.85	32.64	14.18	34.24	114	275	P	V
5550MHz		5467.6	60.74	-7.46	68.2	48.11	32.71	14.18	34.26	114	275	P	V
		5459.68	48.83	-5.17	54	36.24	32.66	14.18	34.25	114	275	A	V
	*	5550	106.31	-	-	93.23	33.2	14.25	34.37	114	275	P	V
	*	5550	97.74	-	-	84.66	33.2	14.25	34.37	114	275	A	V
		5761.535	50.78	-17.42	68.2	36.99	34	14.4	34.61	114	275	P	V

		5458.85	50.2	-23.8	74	37.62	32.65	14.18	34.25	100	57	P	H
		5462.35	49.48	-18.72	68.2	36.88	32.67	14.18	34.25	100	57	P	H
		5458.85	40.73	-13.27	54	28.15	32.65	14.18	34.25	100	57	A	H
	*	5670	108.75	-	-	95.33	33.58	14.34	34.5	100	57	P	H
802.11ax	*	5670	101.62	-	-	88.2	33.58	14.34	34.5	100	57	A	H
HE40 Full		5728.25	66.59	-1.61	68.2	52.91	33.87	14.38	34.57	100	57	P	H
CH 134		5358.75	49.98	-24.02	74	37.47	32.5	14.11	34.1	100	88	P	V
5670MHz		5462.7	49.3	-18.9	68.2	36.69	32.68	14.18	34.25	100	88	P	V
		5459.2	40.91	-13.09	54	28.32	32.66	14.18	34.25	100	88	A	V
	*	5670	106.3	-	-	92.88	33.58	14.34	34.5	100	88	P	V
	*	5670	99.69	-	-	86.27	33.58	14.34	34.5	100	88	A	V
		5725	66.63	-1.57	68.2	52.97	33.85	14.38	34.57	100	88	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. 4+3	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)
		11020	52.08	-21.92	74	32.79	37.98	21.06	39.75	-	-	P	H
		11020	42.41	-11.59	54	23.12	37.98	21.06	39.75	-	-	A	H
		16530	53.73	-14.47	68.2	33.67	41.2	24.77	45.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	52.45	-21.55	74	33.16	37.98	21.06	39.75	-	-	P	V
5510MHz		11020	42.64	-11.36	54	23.35	37.98	21.06	39.75	-	-	A	V
		16530	53.43	-14.77	68.2	33.37	41.2	24.77	45.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11100	51.6	-22.4	74	32.2	38.2	21.01	39.81	-	-	P	H
		11100	42.54	-11.46	54	23.14	38.2	21.01	39.81	-	-	A	H
		16650	53.38	-14.82	68.2	33.5	40.9	24.91	45.93	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	53.05	-20.95	74	33.65	38.2	21.01	39.81	-	-	P	V
5550MHz		11100	42.36	-11.64	54	22.96	38.2	21.01	39.81	-	-	A	V
		16650	52.88	-15.32	68.2	33	40.9	24.91	45.93	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11340	53.48	-20.52	74	33.74	38.88	20.88	40.02	-	-	P	H
		11340	44.16	-9.84	54	24.42	38.88	20.88	40.02	-	-	A	H
		17010	53.95	-14.25	68.2	33.76	40.88	25.33	46.02	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	54.28	-19.72	74	34.54	38.88	20.88	40.02	-	-	P	V
5670MHz		11340	44.09	-9.91	54	24.35	38.88	20.88	40.02	-	-	A	V
		17010	53.12	-15.08	68.2	32.93	40.88	25.33	46.02	-	-	P	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 3 5470~5725MHz

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

WIFI Ant. 4+3	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)
		5450.56	60.39	-13.61	74	47.85	32.6	14.17	34.23	110	359	P	H
		5469.04	61.83	-6.37	68.2	49.19	32.71	14.19	34.26	110	359	P	H
		5459.92	50.76	-3.24	54	38.17	32.66	14.18	34.25	110	359	A	H
	*	5530	100.66	-	-	87.69	33.08	14.23	34.34	110	359	P	H
802.11ax	*	5530	92.89	-	-	79.92	33.08	14.23	34.34	110	359	A	H
HE80 Full		5729.405	51.27	-16.93	68.2	37.58	33.88	14.38	34.57	110	359	P	H
CH 106		5458.48	58.79	-15.21	74	46.21	32.65	14.18	34.25	100	93	P	V
5530MHz		5467.84	60.76	-7.44	68.2	48.13	32.71	14.18	34.26	100	93	P	V
		5458.72	49.45	-4.55	54	36.87	32.65	14.18	34.25	100	93	A	V
	*	5530	100.33	-	-	87.36	33.08	14.23	34.34	100	93	P	V
	*	5530	92.63	-	-	79.66	33.08	14.23	34.34	100	93	A	V
		5764.055	51.08	-17.12	68.2	37.29	34	14.4	34.61	100	93	P	V
		5452.9	58.8	-15.2	74	46.25	32.62	14.17	34.24	100	353	P	H
		5466.9	61.89	-6.31	68.2	49.27	32.7	14.18	34.26	100	353	P	H
		5458.5	49.58	-4.42	54	37	32.65	14.18	34.25	100	353	A	H
	*	5610	104.29	-	-	91.17	33.26	14.3	34.44	100	353	P	H
802.11ax	*	5610	97.49	-	-	84.37	33.26	14.3	34.44	100	353	A	H
HE80 Full		5725.45	66.55	-1.65	68.2	52.89	33.85	14.38	34.57	100	353	P	H
CH 122		5451.15	57.48	-16.52	74	44.94	32.61	14.17	34.24	100	88	P	V
5610MHz		5465.5	60.56	-7.64	68.2	47.95	32.69	14.18	34.26	100	88	P	V
		5459.9	49.53	-4.47	54	36.94	32.66	14.18	34.25	100	88	A	V
	*	5610	102.57	-	-	89.45	33.26	14.3	34.44	100	88	P	V
	*	5610	96.24	-	-	83.12	33.26	14.3	34.44	100	88	A	V
		5733.15	63.05	-5.15	68.2	49.35	33.9	14.38	34.58	100	88	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. 4+3	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)
		11060	52.19	-21.81	74	32.81	38.12	21.04	39.78	-	-	P	H
		11060	42.45	-11.55	54	23.07	38.12	21.04	39.78	-	-	A	H
		16590	54.14	-14.06	68.2	34.1	41.12	24.84	45.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	51.62	-22.38	74	32.24	38.12	21.04	39.78	-	-	P	V
5530MHz		11060	42.31	-11.69	54	22.93	38.12	21.04	39.78	-	-	A	V
		16590	54.32	-13.88	68.2	34.28	41.12	24.84	45.92	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11220	51.27	-22.73	74	31.65	38.58	20.95	39.91	-	-	P	H
		16830	52.95	-15.25	68.2	32.69	41.1	25.13	45.97	-	-	P	H
		16830	44.25	-9.75	54	23.99	41.1	25.13	45.97	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	52.04	-21.96	74	32.42	38.58	20.95	39.91	-	-	P	V
5610MHz		16830	53.73	-14.47	68.2	33.47	41.1	25.13	45.97	-	-	P	V
		16830	44.61	-9.39	54	24.35	41.1	25.13	45.97	-	-	A	V
													V
													V
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													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 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5415.13	50.05	-23.95	74	37.56	32.53	14.14	34.18	299	28	P	H
		5464.27	47.8	-20.4	68.2	35.19	32.69	14.18	34.26	299	28	P	H
		5453.74	40.36	-13.64	54	27.81	32.62	14.17	34.24	299	28	A	H
	*	5720	114.2	-	-	100.57	33.82	14.37	34.56	299	28	P	H
	*	5720	107.79	-	-	94.16	33.82	14.37	34.56	299	28	A	H
		5850.25	51.39	-16.81	68.2	37.71	33.9	14.49	34.71	299	28	P	H
		5419.03	49.26	-24.74	74	36.76	32.54	14.15	34.19	104	92	P	V
		5462.71	49.61	-18.59	68.2	37	32.68	14.18	34.25	104	92	P	V
		5459.2	40.52	-13.48	54	27.93	32.66	14.18	34.25	104	92	A	V
	*	5720	113.33	-	-	99.7	33.82	14.37	34.56	104	92	P	V
	*	5720	105.99	-	-	92.36	33.82	14.37	34.56	104	92	A	V
		5899.5	51.54	-16.66	68.2	37.77	34	14.54	34.77	104	92	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. 4+3	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	51.4	-22.6	74	31.75	38.92	20.83	40.1	-	-	P	H
		17160	53.94	-14.26	68.2	34.07	40.58	25.47	46.18	-	-	P	H
		17160	44.63	-9.37	54	24.76	40.58	25.47	46.18	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	52.16	-21.84	74	32.51	38.92	20.83	40.1	-	-	P	V
		17160	53.28	-14.92	68.2	33.41	40.58	25.47	46.18	-	-	P	V
		17160	44.54	-9.46	54	24.67	40.58	25.47	46.18	-	-	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 3 - Straddle Channel

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

WIFI Ant. 4+3	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)
		5380.42	48.78	-25.22	74	36.29	32.5	14.12	34.13	293	27	P	H
		5462.71	48.41	-19.79	68.2	35.8	32.68	14.18	34.25	293	27	P	H
		5459.98	40.51	-13.49	54	27.92	32.66	14.18	34.25	293	27	A	H
	*	5720	113.19	-	-	99.56	33.82	14.37	34.56	293	27	P	H
802.11ax	*	5720	105.86	-	-	92.23	33.82	14.37	34.56	293	27	A	H
HE20 Full		5925.25	51.6	-16.6	68.2	37.82	34	14.57	34.79	293	27	P	H
CH 144		5449.84	49.28	-24.72	74	36.74	32.6	14.17	34.23	108	92	P	V
5720MHz		5461.15	48.11	-20.09	68.2	35.51	32.67	14.18	34.25	108	92	P	V
		5459.98	40.43	-13.57	54	27.84	32.66	14.18	34.25	108	92	A	V
	*	5720	112.07	-	-	98.44	33.82	14.37	34.56	108	92	P	V
	*	5720	104.37	-	-	90.74	33.82	14.37	34.56	108	92	A	V
		5902.25	52.04	-16.16	68.2	38.26	34	14.55	34.77	108	92	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. 4+3	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)
		11440	51.42	-22.58	74	31.77	38.92	20.83	40.1	-	-	P	H
		17160	54.35	-13.85	68.2	34.48	40.58	25.47	46.18	-	-	P	H
		17160	44.72	-9.28	54	24.85	40.58	25.47	46.18	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	53.51	-20.49	74	33.86	38.92	20.83	40.1	-	-	P	V
5720MHz		17160	55	-13.2	68.2	35.13	40.58	25.47	46.18	-	-	P	V
		17160	44.6	-9.4	54	24.73	40.58	25.47	46.18	-	-	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 3 - Straddle Channel

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

WIFI Ant. 4+3	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)
		5453.74	49.48	-24.52	74	36.93	32.62	14.17	34.24	100	24	P	H
		5468.56	49.1	-19.1	68.2	36.47	32.71	14.18	34.26	100	24	P	H
		5452.18	40.42	-13.58	54	27.88	32.61	14.17	34.24	100	24	A	H
	*	5710	111.39	-	-	97.81	33.76	14.37	34.55	100	24	P	H
802.11ax	*	5710	101.97	-	-	88.39	33.76	14.37	34.55	100	24	A	H
HE40 Full		5912.25	52.38	-15.82	68.2	38.6	34	14.56	34.78	100	24	P	H
CH 142		5453.35	49.7	-24.3	74	37.15	32.62	14.17	34.24	100	174	P	V
5710MHz		5464.27	48.29	-19.91	68.2	35.68	32.69	14.18	34.26	100	174	P	V
		5459.59	40.43	-13.57	54	27.84	32.66	14.18	34.25	100	174	A	V
	*	5710	105.91	-	-	92.33	33.76	14.37	34.55	100	174	P	V
	*	5710	98.43	-	-	84.85	33.76	14.37	34.55	100	174	A	V
		5875.75	52.88	-15.32	68.2	39.15	33.95	14.52	34.74	100	174	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. 4+3	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)
		11420	52.14	-21.86	74	32.42	38.96	20.84	40.08	-	-	P	H
		17130	54.14	-14.06	68.2	34.21	40.64	25.44	46.15	-	-	P	H
		17130	44.76	-9.24	54	24.83	40.64	25.44	46.15	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	51.98	-22.02	74	32.26	38.96	20.84	40.08	-	-	P	V
5710MHz		17130	54.79	-13.41	68.2	34.86	40.64	25.44	46.15	-	-	P	V
		17130	44.78	-9.22	54	24.85	40.64	25.44	46.15	-	-	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 3 Straddle Channel

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

WIFI Ant. 4+3	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)
		5444.77	51.37	-22.63	74	38.84	32.59	14.17	34.23	100	5	P	H
		5470	52.26	-15.94	68.2	39.61	32.72	14.19	34.26	100	5	P	H
		5458.42	43.84	-10.16	54	31.26	32.65	14.18	34.25	100	5	A	H
	*	5690	108.71	-	-	95.23	33.66	14.35	34.53	100	5	P	H
802.11ax	*	5690	100.37	-	-	86.89	33.66	14.35	34.53	100	5	A	H
HE80 Full		5851.3	59.78	-8.42	68.2	46.1	33.9	14.49	34.71	100	5	P	H
CH 138		5438.14	53.58	-20.42	74	41.06	32.58	14.16	34.22	116	95	P	V
5690MHz		5467	55.1	-13.1	68.2	42.48	32.7	14.18	34.26	116	95	P	V
		5456.47	45.62	-8.38	54	33.04	32.64	14.18	34.24	116	95	A	V
	*	5690	108.19	-	-	94.71	33.66	14.35	34.53	116	95	P	V
	*	5690	98.22	-	-	84.74	33.66	14.35	34.53	116	95	A	V
		5852.2	57.79	-10.41	68.2	44.11	33.9	14.49	34.71	116	95	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. 4+3	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)
		11380	52.18	-21.82	74	32.41	38.96	20.86	40.05	-	-	P	H
		11380	43.22	-10.78	54	23.45	38.96	20.86	40.05	-	-	A	H
		17070	54.76	-13.44	68.2	34.7	40.76	25.38	46.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	51.73	-22.27	74	31.96	38.96	20.86	40.05	-	-	P	V
5690MHz		11380	44.12	-9.88	54	24.35	38.96	20.86	40.05	-	-	A	V
		17070	53.87	-14.33	68.2	33.81	40.76	25.38	46.08	-	-	P	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

WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		39440	52.71	-21.29	74	43	45.78	27.78	63.85	-	-	P	H
		39440	40.88	-13.12	54	31.17	45.78	27.78	63.85	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39384	53.21	-20.79	74	43.68	45.6	27.74	63.81	-	-	P	V
		39384	40.93	-13.07	54	31.4	45.6	27.74	63.81	-	-	A	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

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		30.27	23.28	-16.72	40	30.55	24.61	0.88	32.76	-	-	P	H
		97.77	32.02	-11.48	43.5	47.16	15.81	1.77	32.72	-	-	P	H
		281.1	21.75	-24.25	46	32.69	18.78	2.98	32.7	-	-		H
		559.7	28.26	-17.74	46	30.49	26.37	4.28	32.88	-	-	P	H
		729.1	33.42	-12.58	46	33.6	27.72	4.82	32.72	-	-	P	H
		952.4	35.13	-10.87	46	30.04	30.92	5.55	31.38	-	-	P	H
													H
													H
													H
													H
													H
													H
		34.32	28.87	-11.13	40	37.93	22.73	0.95	32.74	-	-	P	V
		97.23	30.08	-13.42	43.5	45.3	15.74	1.77	32.73	-	-	P	V
		148.8	28.08	-15.42	43.5	41.51	17.12	2.16	32.71	-	-	P	V
		264.63	20.51	-25.49	46	30.25	20.04	2.9	32.68	-	-	P	V
		571.6	29.11	-16.89	46	31.6	26.06	4.31	32.86	-	-	P	V
		949.6	34.85	-11.15	46	29.84	30.88	5.54	31.41	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5646.125	51.94	-16.26	68.2	38.62	33.48	14.32	34.48	100	12	P	H
		5692.7	66.44	-33.38	99.82	52.95	33.67	14.35	34.53	100	12	P	H
		5717.45	76.95	-33.14	110.09	63.34	33.8	14.37	34.56	100	12	P	H
		5724.875	83.63	-38.29	121.92	69.97	33.85	14.38	34.57	100	12	P	H
	*	5745	111.92	-	-	98.15	33.97	14.39	34.59	100	12	P	H
	*	5745	106.28	-	-	92.51	33.97	14.39	34.59	100	12	A	H
													H
802.11a													H
CH 149		5637.575	52.14	-16.06	68.2	38.86	33.43	14.32	34.47	100	92	P	V
5745MHz		5698.325	65.82	-38.15	103.97	52.31	33.69	14.36	34.54	100	92	P	V
		5717.45	77.45	-32.64	110.09	63.84	33.8	14.37	34.56	100	92	P	V
		5723.075	80.3	-37.51	117.81	66.64	33.84	14.38	34.56	100	92	P	V
	*	5745	109.41	-	-	95.64	33.97	14.39	34.59	100	92	P	V
	*	5745	104.75	-	-	90.98	33.97	14.39	34.59	100	92	A	V
													V
													V

WIFI Ant. 4+3	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)
		5644.5	50.84	-17.36	68.2	37.52	33.47	14.32	34.47	100	22	P	H
		5690.75	52.44	-45.94	98.38	38.96	33.66	14.35	34.53	100	22	P	H
		5715.75	59.49	-50.12	109.61	45.89	33.79	14.37	34.56	100	22	P	H
		5724.75	62.5	-59.13	121.63	48.84	33.85	14.38	34.57	100	22	P	H
	*	5785	112.56	-	-	98.77	34	14.42	34.63	100	22	P	H
	*	5785	106.69	-	-	92.9	34	14.42	34.63	100	22	A	H
		5850.75	55.19	-65.3	120.49	41.51	33.9	14.49	34.71	100	22	P	H
		5860	55.16	-54.24	109.4	41.46	33.92	14.5	34.72	100	22	P	H
		5905.25	52.02	-30.76	82.78	38.24	34	14.55	34.77	100	22	P	H
		5940.5	51.37	-16.83	68.2	37.59	34	14.59	34.81	100	22	P	H
													H
802.11a CH 157 5785MHz													H
		5648.5	51.18	-17.02	68.2	37.85	33.49	14.32	34.48	100	92	P	V
		5682.25	53.16	-38.94	92.1	39.7	33.63	14.35	34.52	100	92	P	V
		5719	58.71	-51.81	110.52	45.09	33.81	14.37	34.56	100	92	P	V
		5723.25	57.97	-60.24	118.21	44.31	33.84	14.38	34.56	100	92	P	V
	*	5785	111.88	-	-	98.09	34	14.42	34.63	100	92	P	V
	*	5785	104.82	-	-	91.03	34	14.42	34.63	100	92	A	V
		5853.75	53.99	-59.66	113.65	40.3	33.91	14.49	34.71	100	92	P	V
		5855	52.92	-57.88	110.8	39.23	33.91	14.49	34.71	100	92	P	V
		5901.25	52.43	-33.31	85.74	38.65	34	14.55	34.77	100	92	P	V
		5927	50.91	-17.29	68.2	37.13	34	14.58	34.8	100	92	P	V
													V
													V

WIFI Ant. 4+3	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)
	*	5825	112.59	-	-	98.86	33.95	14.46	34.68	100	21	P	H
	*	5825	105.98	-	-	92.25	33.95	14.46	34.68	100	21	A	H
		5853	76.34	-39.02	115.36	62.65	33.91	14.49	34.71	100	21	P	H
		5855	73.85	-36.95	110.8	60.16	33.91	14.49	34.71	100	21	P	H
		5879.6	60.01	-41.77	101.78	46.27	33.96	14.52	34.74	100	21	P	H
		5929.4	51.84	-16.36	68.2	38.06	34	14.58	34.8	100	21	P	H
													H
802.11a													H
CH 165	*	5825	110.31	-	-	96.58	33.95	14.46	34.68	100	91	P	V
5825MHz	*	5825	105.18	-	-	91.45	33.95	14.46	34.68	100	91	A	V
		5850	77.86	-44.34	122.2	64.18	33.9	14.49	34.71	100	91	P	V
		5855.2	72.64	-38.1	110.74	58.95	33.91	14.49	34.71	100	91	P	V
		5876.2	62.65	-41.66	104.31	48.92	33.95	14.52	34.74	100	91	P	V
		5939.6	52.45	-15.75	68.2	38.67	34	14.59	34.81	100	91	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		11490	52.98	-21.02	74	33.34	38.98	20.8	40.14	-	-	P	H
		17235	54.36	-13.84	68.2	34.5	40.57	25.54	46.25	-	-	P	H
		17235	44.78	-9.22	54	24.92	40.57	25.54	46.25	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 5745MHz		11490	52.18	-21.82	74	32.54	38.98	20.8	40.14	-	-	P	V
		17235	55.19	-13.01	68.2	35.33	40.57	25.54	46.25	-	-	P	V
		17235	44.69	-9.31	54	24.83	40.57	25.54	46.25	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11570	52.44	-21.56	74	32.83	39.06	20.76	40.21	-	-	P	H
		17355	53.84	-14.36	68.2	34.06	40.5	25.66	46.38	-	-	P	H
		17355	44.66	-9.34	54	24.88	40.5	25.66	46.38	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	52.6	-21.4	74	32.99	39.06	20.76	40.21	-	-	P	V
		17355	54.7	-13.5	68.2	34.92	40.5	25.66	46.38	-	-	P	V
		17355	44.73	-9.27	54	24.95	40.5	25.66	46.38	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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 165 5825MHz		11650	52	-22	74	32.57	39	20.71	40.28	-	-	P	H
		17475	53.88	-14.32	68.2	34.01	40.6	25.77	46.5	-	-	P	H
		17475	44.61	-9.39	54	24.74	40.6	25.77	46.5	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	51.34	-22.66	74	31.91	39	20.71	40.28	-	-	P	V
		17475	54.2	-14	68.2	34.33	40.6	25.77	46.5	-	-	P	V
		17475	44.58	-9.42	54	24.71	40.6	25.77	46.5	-	-	A	V
													V
													V
													V
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													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 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5639.15	57.78	-10.42	68.2	44.5	33.43	14.32	34.47	100	8	P	H
		5699.675	73.06	-31.9	104.96	59.54	33.7	14.36	34.54	100	8	P	H
		5719.7	84.87	-25.85	110.72	71.24	33.82	14.37	34.56	100	8	P	H
		5725.1	90.84	-43.36	134.2	77.18	33.85	14.38	34.57	100	8	P	H
	*	5745	112.35	-	-	98.58	33.97	14.39	34.59	100	8	P	H
	*	5745	105.86	-	-	92.09	33.97	14.39	34.59	100	8	A	H
802.11n													H
HT20													H
CH 149		5644.1	59.28	-8.92	68.2	45.97	33.46	14.32	34.47	100	95	P	V
5745MHz		5698.55	72.46	-31.67	104.13	58.95	33.69	14.36	34.54	100	95	P	V
		5716.325	84.82	-24.95	109.77	71.21	33.8	14.37	34.56	100	95	P	V
		5725.1	90.49	-43.71	134.2	76.83	33.85	14.38	34.57	100	95	P	V
	*	5745	111.77	-	-	98	33.97	14.39	34.59	100	95	P	V
	*	5745	104.78	-	-	91.01	33.97	14.39	34.59	100	95	A	V
													V
													V

WIFI Ant. 4+3	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)
		5641.75	53.86	-14.34	68.2	40.56	33.45	14.32	34.47	100	358	P	H
		5698.5	62.93	-41.16	104.09	49.42	33.69	14.36	34.54	100	358	P	H
		5716.25	65.85	-43.9	109.75	52.24	33.8	14.37	34.56	100	358	P	H
		5724.25	65.48	-55.01	120.49	51.82	33.85	14.38	34.57	100	358	P	H
	*	5785	113.16	-	-	99.37	34	14.42	34.63	100	358	P	H
	*	5785	106.15	-	-	92.36	34	14.42	34.63	100	358	A	H
		5851.5	60.9	-57.88	118.78	47.22	33.9	14.49	34.71	100	358	P	H
		5856.25	57.84	-52.61	110.45	44.16	33.91	14.49	34.72	100	358	P	H
		5876.25	53.53	-50.74	104.27	39.8	33.95	14.52	34.74	100	358	P	H
		5928	52.23	-15.97	68.2	38.45	34	14.58	34.8	100	358	P	H
802.11n													H
HT20													H
CH 157		5639.75	52.44	-15.76	68.2	39.15	33.44	14.32	34.47	100	92	P	V
5785MHz		5699	60.07	-44.39	104.46	46.55	33.7	14.36	34.54	100	92	P	V
		5719.25	67.02	-43.57	110.59	53.39	33.82	14.37	34.56	100	92	P	V
		5724.25	71.15	-49.34	120.49	57.49	33.85	14.38	34.57	100	92	P	V
	*	5785	112.31	-	-	98.52	34	14.42	34.63	100	92	P	V
	*	5785	105.19	-	-	91.4	34	14.42	34.63	100	92	A	V
		5850.25	60.48	-61.15	121.63	46.8	33.9	14.49	34.71	100	92	P	V
		5859	59.41	-50.27	109.68	45.71	33.92	14.5	34.72	100	92	P	V
		5879.25	53.76	-48.28	102.04	40.02	33.96	14.52	34.74	100	92	P	V
		5937.5	51.67	-16.53	68.2	37.89	34	14.59	34.81	100	92	P	V
													V
													V

WIFI Ant. 4+3	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)
	*	5825	111.45	-	-	97.72	33.95	14.46	34.68	100	20	P	H
	*	5825	105.5	-	-	91.77	33.95	14.46	34.68	100	20	A	H
		5850	83.92	-38.28	122.2	70.24	33.9	14.49	34.71	100	20	P	H
		5855	78.76	-32.04	110.8	65.07	33.91	14.49	34.71	100	20	P	H
		5875	66.58	-38.62	105.2	52.85	33.95	14.52	34.74	100	20	P	H
		5927.2	52.65	-15.55	68.2	38.87	34	14.58	34.8	100	20	P	H
802.11n													H
HT20													H
CH 165	*	5825	111.02	-	-	97.29	33.95	14.46	34.68	100	85	P	V
5825MHz	*	5825	104.03	-	-	90.3	33.95	14.46	34.68	100	85	A	V
		5850.2	84	-37.74	121.74	70.32	33.9	14.49	34.71	100	85	P	V
		5855	80.45	-30.35	110.8	66.76	33.91	14.49	34.71	100	85	P	V
		5877	70.84	-32.87	103.71	57.11	33.95	14.52	34.74	100	85	P	V
		5938	53.73	-14.47	68.2	39.95	34	14.59	34.81	100	85	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		11490	51.94	-22.06	74	32.3	38.98	20.8	40.14	-	-	P	H
		11490	41.99	-12.01	54	22.35	38.98	20.8	40.14	-	-	A	H
		17235	53.86	-14.34	68.2	34	40.57	25.54	46.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 149		11490	53.33	-20.67	74	33.69	38.98	20.8	40.14	-	-	P	V
5745MHz		11490	41.92	-12.08	54	22.28	38.98	20.8	40.14	-	-	A	V
		17235	54.8	-13.4	68.2	34.94	40.57	25.54	46.25	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11570	52.63	-21.37	74	33.02	39.06	20.76	40.21	-	-	P	H
		11570	41.98	-12.02	54	22.37	39.06	20.76	40.21	-	-	A	H
		17355	53.52	-14.68	68.2	33.74	40.5	25.66	46.38	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 157		11570	53.36	-20.64	74	33.75	39.06	20.76	40.21	-	-	P	V
5785MHz		11570	41.89	-12.11	54	22.28	39.06	20.76	40.21	-	-	A	V
		17355	53.63	-14.57	68.2	33.85	40.5	25.66	46.38	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11650	52.53	-21.47	74	33.1	39	20.71	40.28	-	-	P	H
		11650	41.84	-12.16	54	22.41	39	20.71	40.28	-	-	A	H
		17475	53.15	-15.05	68.2	33.28	40.6	25.77	46.5	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 165		11650	52.96	-21.04	74	33.53	39	20.71	40.28	-	-	P	V
5825MHz		11650	41.61	-12.39	54	22.18	39	20.71	40.28	-	-	A	V
		17475	53.89	-14.31	68.2	34.02	40.6	25.77	46.5	-	-	P	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 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	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 149 5745MHz		5629.475	50.62	-17.58	68.2	38.17	33.38	13.41	34.34	237	59	P	H
		5699.225	53.43	-51.2	104.63	40.6	33.7	13.52	34.39	237	59	P	H
		5712.275	58.7	-49.94	108.64	45.79	33.77	13.54	34.4	237	59	P	H
		5723.75	56.31	-63.04	119.35	43.32	33.84	13.56	34.41	237	59	P	H
	*	5745	111.74	-	-	98.61	33.97	13.59	34.43	237	59	P	H
	*	5745	104.72	-	-	91.59	33.97	13.59	34.43	237	59	A	H
													H
													H
		5601.8	50.36	-17.84	68.2	38.1	33.21	13.37	34.32	126	94	P	V
		5658.725	49.99	-24.69	74.68	37.36	33.53	13.46	34.36	126	94	P	V
		5716.55	57.46	-52.38	109.84	44.52	33.8	13.54	34.4	126	94	P	V
		5722.4	61.26	-55.01	116.27	48.29	33.83	13.55	34.41	126	94	P	V
	*	5745	109.16	-	-	96.03	33.97	13.59	34.43	126	94	P	V
	*	5745	101.99	-	-	88.86	33.97	13.59	34.43	126	94	A	V
													V
													V

WIFI Ant. 1+2	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 165 5825MHz	*	5825	112.68	-	-	99.53	33.95	13.69	34.49	300	59	P	H
	*	5825	105.18	-	-	92.03	33.95	13.69	34.49	300	59	A	H
		5851.6	61.63	-56.92	118.55	48.53	33.9	13.71	34.51	300	59	P	H
		5858.6	58.8	-50.99	109.79	45.68	33.92	13.71	34.51	300	59	P	H
		5878.8	51.44	-50.94	102.38	38.28	33.96	13.73	34.53	300	59	P	H
		5926.4	50.86	-17.34	68.2	37.66	34	13.76	34.56	300	59	P	H
													H
													H
	*	5825	111.1	-	-	97.95	33.95	13.69	34.49	112	94	P	V
	*	5825	102.63	-	-	89.48	33.95	13.69	34.49	112	94	A	V
		5851.8	59.11	-58.99	118.1	46.01	33.9	13.71	34.51	112	94	P	V
		5860.2	52.95	-56.39	109.34	39.83	33.92	13.71	34.51	112	94	P	V
		5922.4	51.79	-18.33	70.12	38.59	34	13.76	34.56	112	94	P	V
		5930.2	51.42	-16.78	68.2	38.23	34	13.76	34.57	112	94	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5613.725	49.53	-18.67	68.2	37.19	33.28	13.39	34.33	261	61	P	H
		5697.425	53.04	-50.26	103.3	40.22	33.69	13.52	34.39	261	61	P	H
		5709.575	63.23	-44.65	107.88	50.34	33.76	13.53	34.4	261	61	P	H
		5720.825	65.59	-47.09	112.68	52.63	33.82	13.55	34.41	261	61	P	H
	*	5745	112.87	-	-	99.74	33.97	13.59	34.43	261	61	P	H
802.11ax	*	5745	105.14	-	-	92.01	33.97	13.59	34.43	261	61	A	H
HE20													H
Partial													H
52/37		5636.675	50.77	-17.43	68.2	38.26	33.42	13.43	34.34	121	94	P	V
CH 149		5698.55	52.59	-51.54	104.13	39.77	33.69	13.52	34.39	121	94	P	V
5745MHz		5717.675	65.03	-45.12	110.15	52.08	33.81	13.55	34.41	121	94	P	V
		5724.425	65.56	-55.33	120.89	52.56	33.85	13.56	34.41	121	94	P	V
	*	5745	109.88	-	-	96.75	33.97	13.59	34.43	121	94	P	V
	*	5745	102.74	-	-	89.61	33.97	13.59	34.43	121	94	A	V
													V
													V

WIFI Ant. 1+2	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)
	*	5825	113.39	-	-	100.24	33.95	13.69	34.49	300	61	P	H
	*	5825	105.15	-	-	92	33.95	13.69	34.49	300	61	A	H
		5855	65.91	-44.89	110.8	52.8	33.91	13.71	34.51	300	61	P	H
		5855	65.91	-44.89	110.8	52.8	33.91	13.71	34.51	300	61	P	H
		5877.6	53.4	-49.87	103.27	40.25	33.96	13.72	34.53	300	61	P	H
802.11ax		5934.6	50.55	-17.65	68.2	37.36	34	13.76	34.57	300	61	P	H
HE20													H
Partial													H
52/40	*	5825	111.25	-	-	98.1	33.95	13.69	34.49	107	94	P	V
CH 165	*	5825	102.95	-	-	89.8	33.95	13.69	34.49	107	94	A	V
5825MHz		5850.8	63.15	-57.23	120.38	50.05	33.9	13.71	34.51	107	94	P	V
		5858.4	61.64	-48.21	109.85	48.52	33.92	13.71	34.51	107	94	P	V
		5880.6	52.31	-48.73	101.04	39.15	33.96	13.73	34.53	107	94	P	V
		5927.2	50.98	-17.22	68.2	37.78	34	13.76	34.56	107	94	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

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

WIFI Ant. 1+2	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)
		5626.325	50.83	-17.37	68.2	38.4	33.36	13.41	34.34	261	61	P	H
		5696.975	62.03	-40.94	102.97	49.21	33.69	13.52	34.39	261	61	P	H
		5716.1	72.72	-36.99	109.71	59.78	33.8	13.54	34.4	261	61	P	H
		5725.1	77.51	-56.69	134.2	64.51	33.85	13.56	34.41	261	61	P	H
	*	5745	113.15	-	-	100.02	33.97	13.59	34.43	261	61	P	H
802.11ax	*	5745	105.02	-	-	91.89	33.97	13.59	34.43	261	61	A	H
HE20													H
Partial													H
106/53		5649.95	50.58	-17.62	68.2	37.99	33.5	13.44	34.35	125	93	P	V
CH 149		5696.3	62.55	-39.92	102.47	49.74	33.69	13.51	34.39	125	93	P	V
5745MHz		5719.475	69.18	-41.47	110.65	56.22	33.82	13.55	34.41	125	93	P	V
		5722.85	74.77	-42.53	117.3	61.79	33.84	13.55	34.41	125	93	P	V
	*	5745	110.1	-	-	96.97	33.97	13.59	34.43	125	93	P	V
	*	5745	102.17	-	-	89.04	33.97	13.59	34.43	125	93	A	V
													V
													V

WIFI Ant. 1+2	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)
	*	5825	111.39	-	-	98.24	33.95	13.69	34.49	283	110	P	H
	*	5825	104.08	-	-	90.93	33.95	13.69	34.49	283	110	A	H
		5850	71.08	-51.12	122.2	57.99	33.9	13.7	34.51	283	110	P	H
		5865.6	65.65	-42.18	107.83	52.52	33.93	13.72	34.52	283	110	P	H
		5878.8	57.76	-44.62	102.38	44.6	33.96	13.73	34.53	283	110	P	H
802.11ax		5936.4	51.3	-16.9	68.2	38.1	34	13.77	34.57	283	110	P	H
HE20													H
Partial													H
106/54	*	5825	110.59	-	-	97.44	33.95	13.69	34.49	107	101	P	V
CH 165	*	5825	102.54	-	-	89.39	33.95	13.69	34.49	107	101	A	V
5825MHz		5850.4	68.19	-53.1	121.29	55.09	33.9	13.71	34.51	107	101	P	V
		5857	64.31	-45.93	110.24	51.2	33.91	13.71	34.51	107	101	P	V
		5879.8	55.69	-45.94	101.63	42.53	33.96	13.73	34.53	107	101	P	V
		5944	51.51	-16.69	68.2	38.32	34	13.77	34.58	107	101	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5646.75	55.21	-12.99	68.2	41.89	33.48	14.32	34.48	100	13	P	H
		5700	67.19	-38.01	105.2	53.67	33.7	14.36	34.54	100	13	P	H
		5720	80.79	-30.01	110.8	67.16	33.82	14.37	34.56	100	13	P	H
		5724.5	83.42	-37.64	121.06	69.76	33.85	14.38	34.57	100	13	P	H
	*	5755	108.72	-	-	94.92	34	14.4	34.6	100	13	P	H
	*	5755	101.9	-	-	88.1	34	14.4	34.6	100	13	A	H
		5853	53.81	-61.55	115.36	40.12	33.91	14.49	34.71	100	13	P	H
		5857.25	53.52	-56.65	110.17	39.83	33.91	14.5	34.72	100	13	P	H
		5885.75	51.62	-45.6	97.22	37.87	33.97	14.53	34.75	100	13	P	H
		5929.75	50.74	-17.46	68.2	36.96	34	14.58	34.8	100	13	P	H
802.11ax													H
HE40 Full													H
CH 151		5650	55.95	-12.25	68.2	42.61	33.5	14.32	34.48	100	86	P	V
5755MHz		5700	67.01	-38.19	105.2	53.49	33.7	14.36	34.54	100	86	P	V
		5718	79.64	-30.6	110.24	66.02	33.81	14.37	34.56	100	86	P	V
		5722.75	83.34	-33.73	117.07	69.68	33.84	14.38	34.56	100	86	P	V
	*	5755	108.62	-	-	94.82	34	14.4	34.6	100	86	P	V
	*	5755	100.61	-	-	86.81	34	14.4	34.6	100	86	A	V
		5851.25	58.09	-61.26	119.35	44.41	33.9	14.49	34.71	100	86	P	V
		5858	54.52	-55.44	109.96	40.82	33.92	14.5	34.72	100	86	P	V
		5891	52.58	-40.75	93.33	38.83	33.98	14.53	34.76	100	86	P	V
		5931	51.19	-17.01	68.2	37.41	34	14.58	34.8	100	86	P	V
													V
													V

WIFI Ant. 4+3	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)
		5628.25	51.64	-16.56	68.2	38.42	33.37	14.31	34.46	100	0	P	H
		5693.75	59.14	-41.45	100.59	45.64	33.67	14.36	34.53	100	0	P	H
		5716.75	63.96	-45.93	109.89	50.35	33.8	14.37	34.56	100	0	P	H
		5723	63.59	-54.05	117.64	49.93	33.84	14.38	34.56	100	0	P	H
	*	5795	108.27	-	-	94.49	34	14.43	34.65	100	0	P	H
	*	5795	101.02	-	-	87.24	34	14.43	34.65	100	0	A	H
		5850.5	65.75	-55.31	121.06	52.07	33.9	14.49	34.71	100	0	P	H
		5855	62.51	-48.29	110.8	48.82	33.91	14.49	34.71	100	0	P	H
		5891.25	57.38	-35.76	93.14	43.63	33.98	14.53	34.76	100	0	P	H
		5931	52.18	-16.02	68.2	38.4	34	14.58	34.8	100	0	P	H
802.11ax													H
HE40 Full													H
CH 159		5620.25	51.84	-16.36	68.2	38.67	33.32	14.3	34.45	100	85	P	V
5795MHz		5690.75	58.62	-39.76	98.38	45.14	33.66	14.35	34.53	100	85	P	V
		5718.5	63.67	-46.71	110.38	50.05	33.81	14.37	34.56	100	85	P	V
		5721.5	65.51	-48.71	114.22	51.86	33.83	14.38	34.56	100	85	P	V
	*	5795	107.12	-	-	93.34	34	14.43	34.65	100	85	P	V
	*	5795	100.65	-	-	86.87	34	14.43	34.65	100	85	A	V
		5850	70.37	-51.83	122.2	56.69	33.9	14.49	34.71	100	85	P	V
		5855.5	66.2	-44.46	110.66	52.52	33.91	14.49	34.72	100	85	P	V
		5875.25	59.88	-45.13	105.01	46.15	33.95	14.52	34.74	100	85	P	V
		5932.75	51.49	-16.71	68.2	37.71	34	14.58	34.8	100	85	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		11510	52.87	-21.13	74	33.22	39.02	20.79	40.16	-	-	P	H
		17265	54.42	-13.78	68.2	34.54	40.6	25.57	46.29	-	-	P	H
		17265	44.44	-9.56	54	24.56	40.6	25.57	46.29	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	51.62	-22.38	74	31.97	39.02	20.79	40.16	-	-	P	V
5755MHz		17265	54.02	-14.18	68.2	34.14	40.6	25.57	46.29	-	-	P	V
		17265	44.5	-9.5	54	24.62	40.6	25.57	46.29	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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)
		11590	52.31	-21.69	74	32.77	39.02	20.75	40.23	-	-	P	H
		17385	54.26	-13.94	68.2	34.49	40.5	25.68	46.41	-	-	P	H
		17385	44.33	-9.67	54	24.56	40.5	25.68	46.41	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	51.11	-22.89	74	31.57	39.02	20.75	40.23	-	-	P	V
5795MHz		17385	54.03	-14.17	68.2	34.26	40.5	25.68	46.41	-	-	P	V
		17385	44.28	-9.72	54	24.51	40.5	25.68	46.41	-	-	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 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5645	63.97	-4.23	68.2	50.66	33.47	14.32	34.48	100	348	P	H
		5692.25	76.84	-22.65	99.49	63.35	33.67	14.35	34.53	100	348	P	H
		5717.75	79.47	-30.7	110.17	65.85	33.81	14.37	34.56	100	348	P	H
		5723	78.59	-39.05	117.64	64.93	33.84	14.38	34.56	100	348	P	H
	*	5775	105.94	-	-	92.15	34	14.41	34.62	100	348	P	H
	*	5775	98.12	-	-	84.33	34	14.41	34.62	100	348	A	H
		5852.75	73.54	-42.39	115.93	59.85	33.91	14.49	34.71	100	348	P	H
		5859.75	73.08	-36.39	109.47	59.38	33.92	14.5	34.72	100	348	P	H
		5877	63.89	-39.82	103.71	50.16	33.95	14.52	34.74	100	348	P	H
		5948.75	55.4	-12.8	68.2	41.62	34	14.6	34.82	100	348	P	H
802.11ax													H
HE80 Full													H
CH 155		5641.25	64.17	-4.03	68.2	50.87	33.45	14.32	34.47	100	91	P	V
5775MHz		5698.5	74.36	-29.73	104.09	60.85	33.69	14.36	34.54	100	91	P	V
		5705.75	78.13	-28.68	106.81	64.58	33.73	14.36	34.54	100	91	P	V
		5723.25	79.79	-38.42	118.21	66.13	33.84	14.38	34.56	100	91	P	V
	*	5775	106.09	-	-	92.3	34	14.41	34.62	100	91	P	V
	*	5775	98.15	-	-	84.36	34	14.41	34.62	100	91	A	V
		5850.5	75.37	-45.69	121.06	61.69	33.9	14.49	34.71	100	91	P	V
		5857.5	74.18	-35.92	110.1	60.48	33.92	14.5	34.72	100	91	P	V
		5877.5	68.14	-35.2	103.34	54.4	33.96	14.52	34.74	100	91	P	V
		5930.25	59.32	-8.88	68.2	45.54	34	14.58	34.8	100	91	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 4+3	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)
		11550	51.47	-22.53	74	31.79	39.1	20.77	40.19	-	-	P	H
		17325	54.09	-14.11	68.2	34.26	40.55	25.63	46.35	-	-	P	H
		17325	44.53	-9.47	54	24.7	40.55	25.63	46.35	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	51.26	-22.74	74	31.58	39.1	20.77	40.19	-	-	P	V
5775MHz		17325	53.86	-14.34	68.2	34.03	40.55	25.63	46.35	-	-	P	V
		17325	44.64	-9.36	54	24.81	40.55	25.63	46.35	-	-	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.

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 **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	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. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

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. Margin (dB)

= Leve(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

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. Margin (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

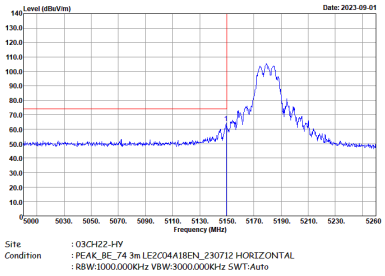
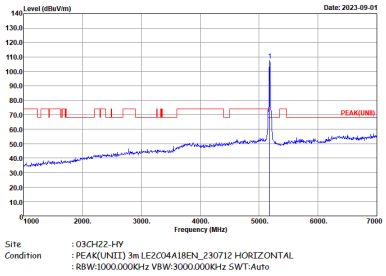
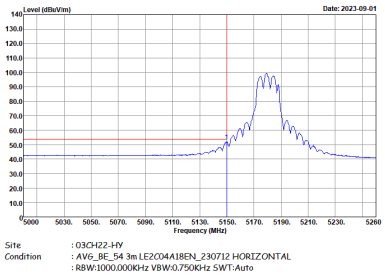
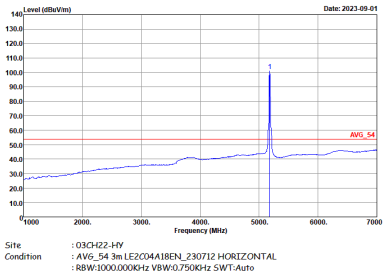
Test Engineer :	Bank Lin and Lu Wen-Kai	**Temperature :**	20~25°C
		Relative Humidity :	55~65%

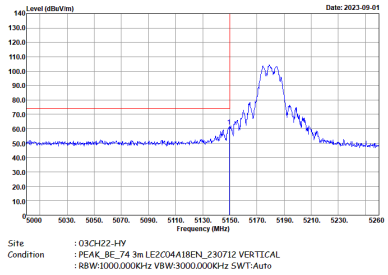
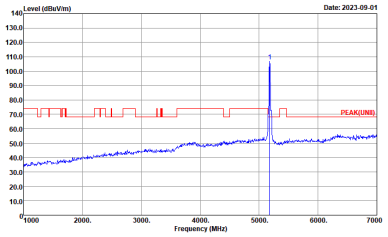
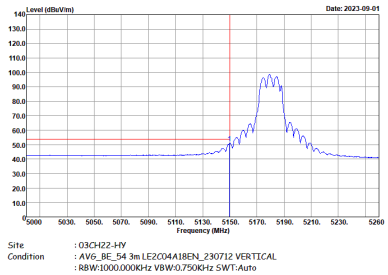
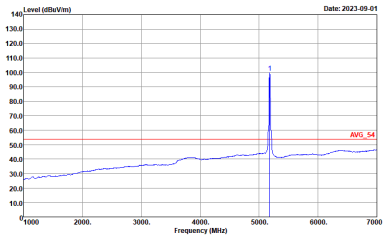
Note symbol

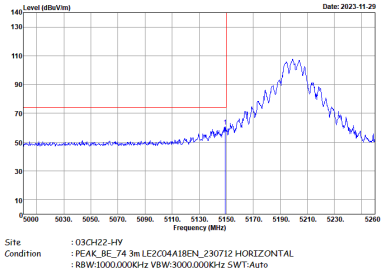
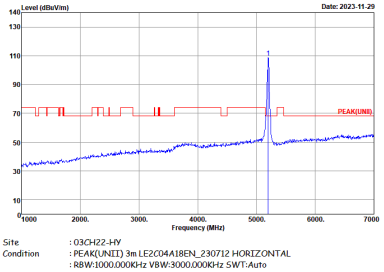
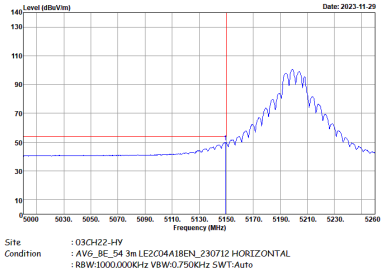
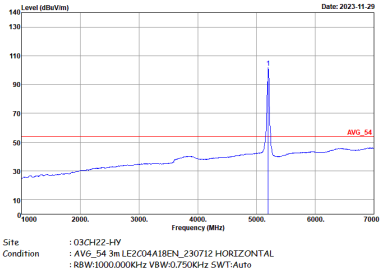
-L	**Low channel location**
-R	**High channel location**

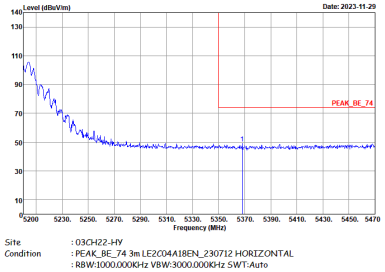
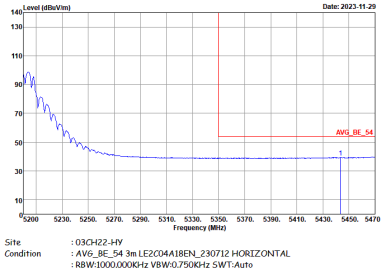
Band 1 - 5150~5250MHz

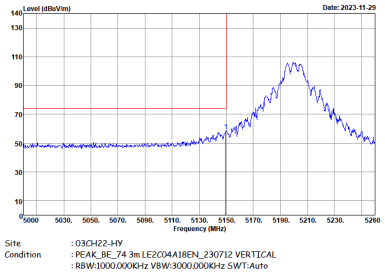
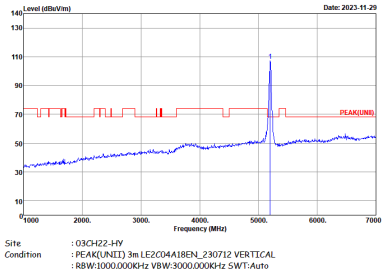
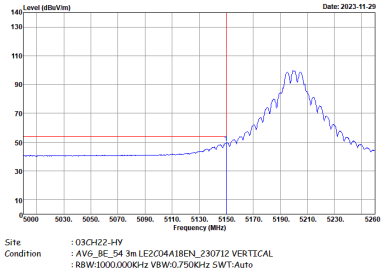
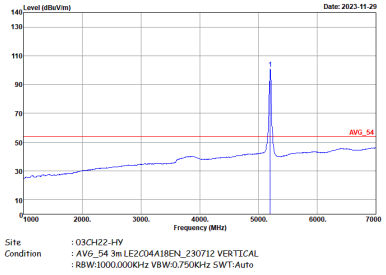
WIFI 802.11a (Band Edge @ 3m)

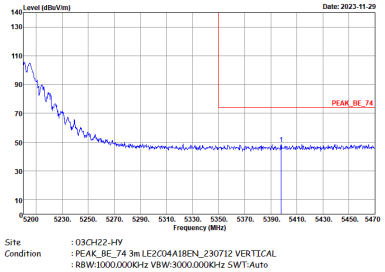
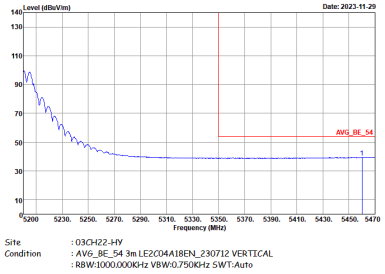
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

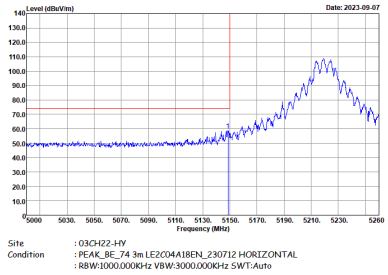
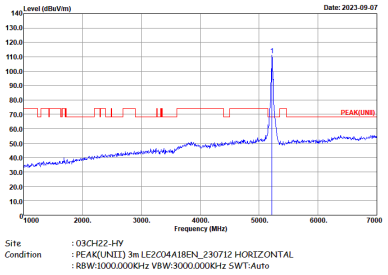
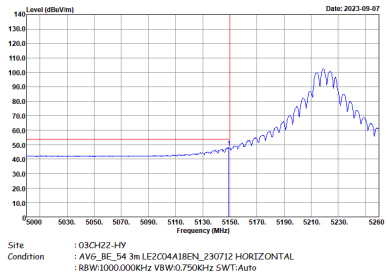
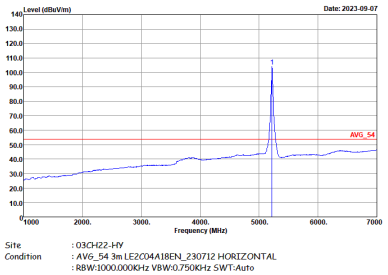
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

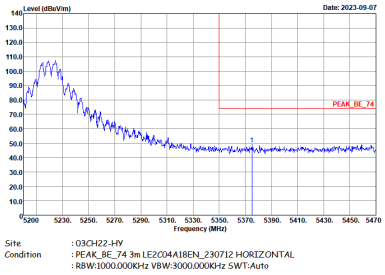
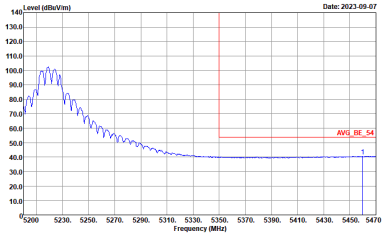
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH40 5200MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNIT) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

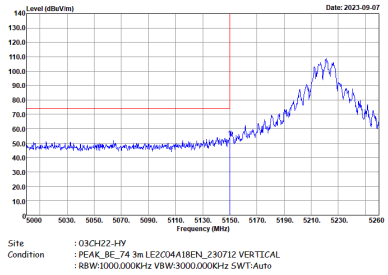
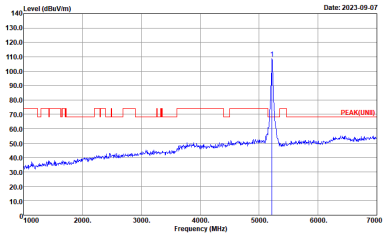
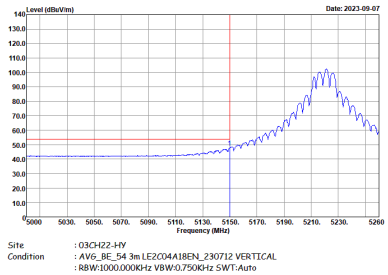
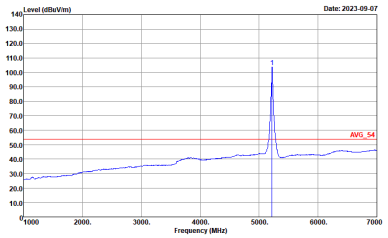
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH40 5200MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

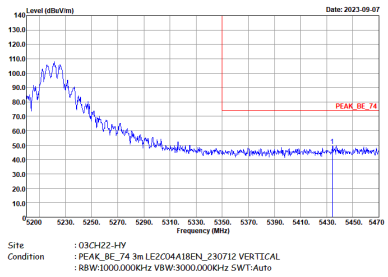
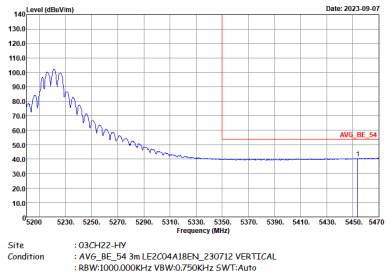
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH40 5200MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

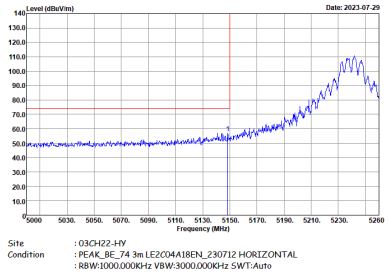
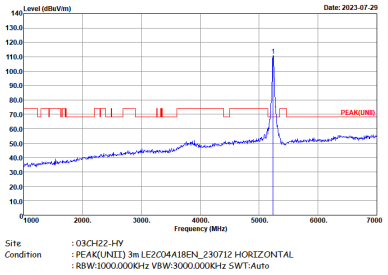
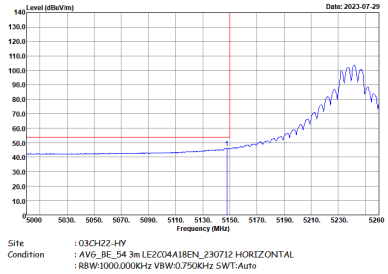
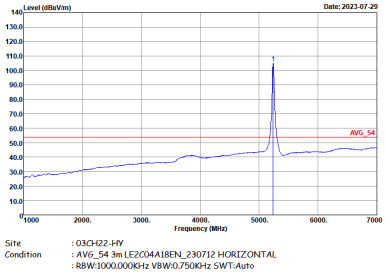
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH40 5200MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

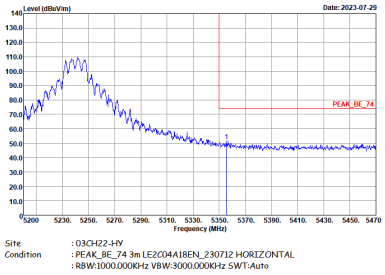
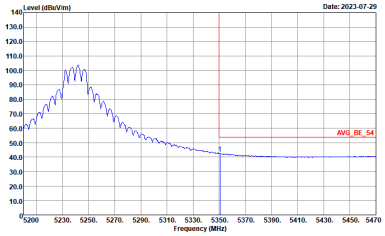
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

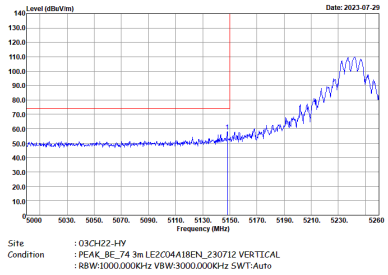
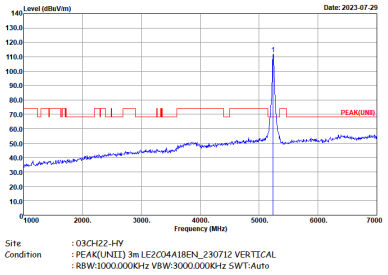
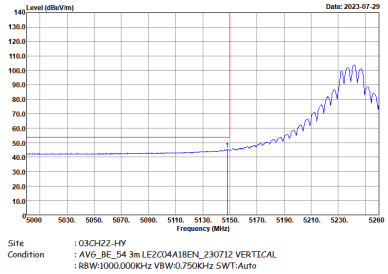
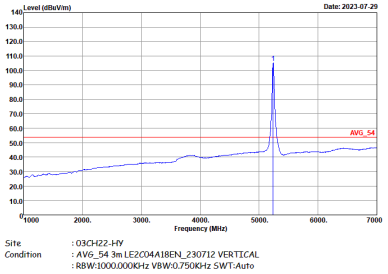
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

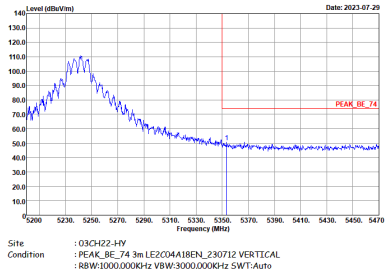
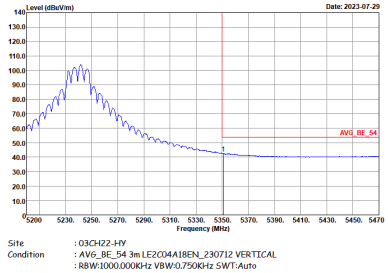
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

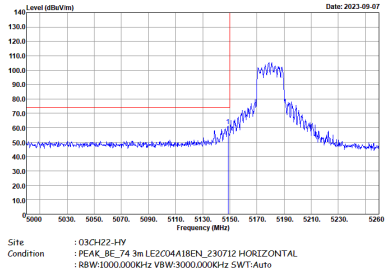
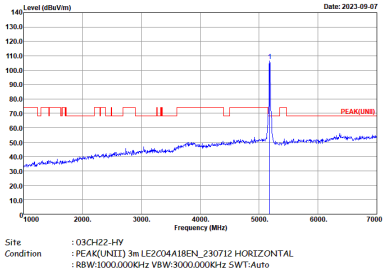
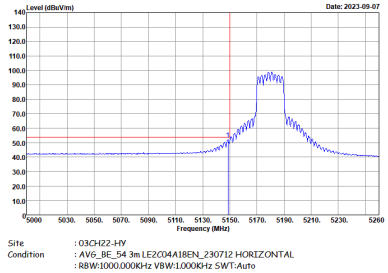
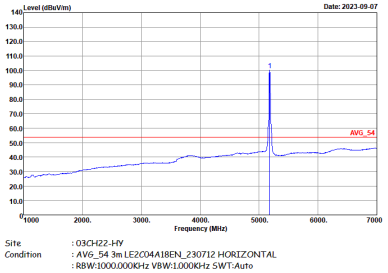
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

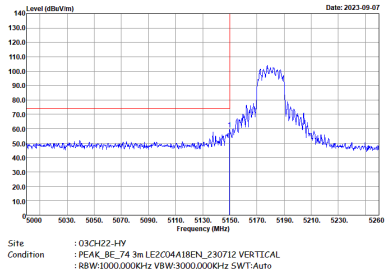
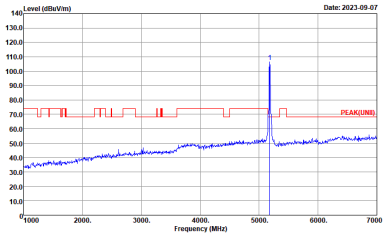
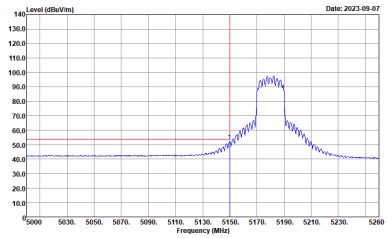
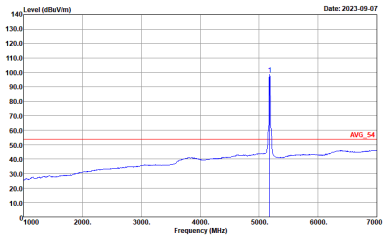
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

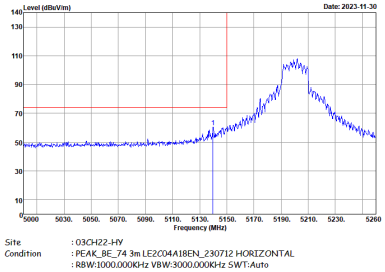
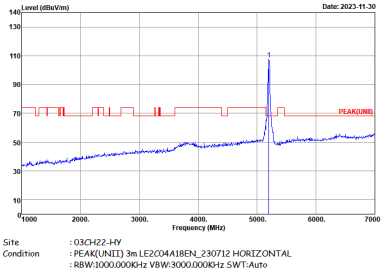
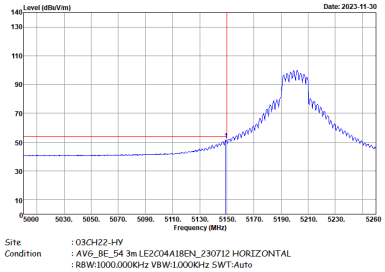
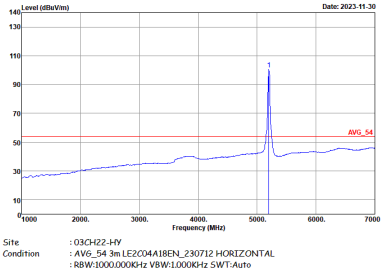
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

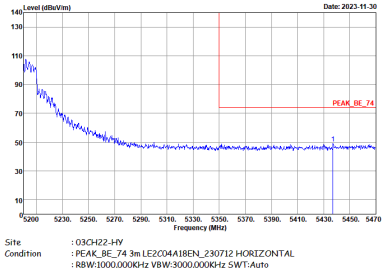
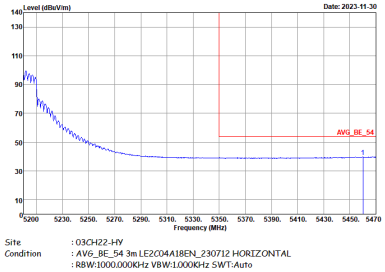
Band 1 5150~5250MHz

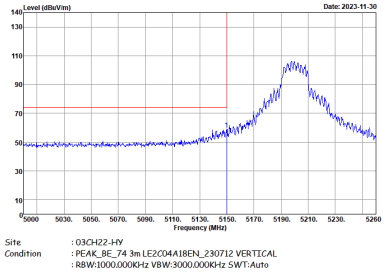
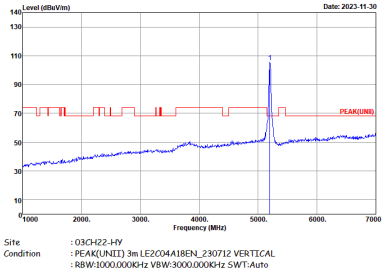
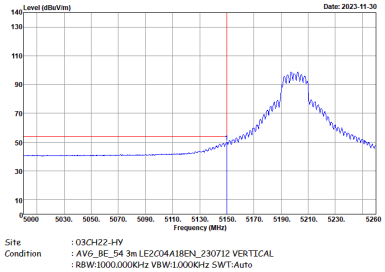
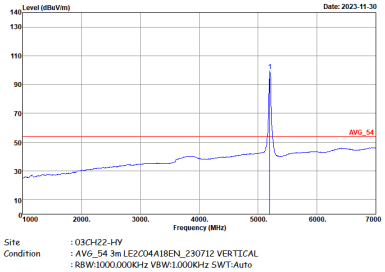
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

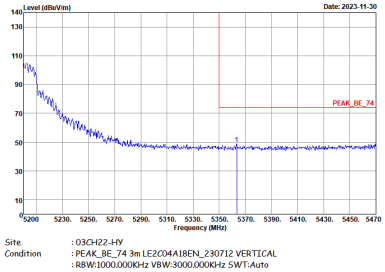
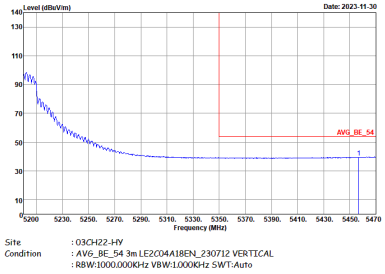
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

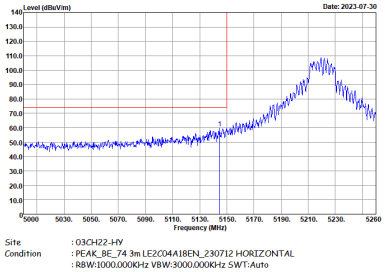
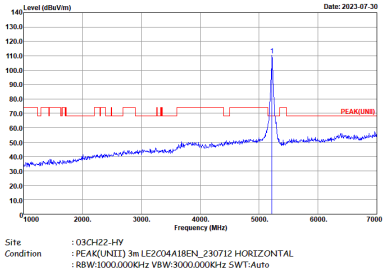
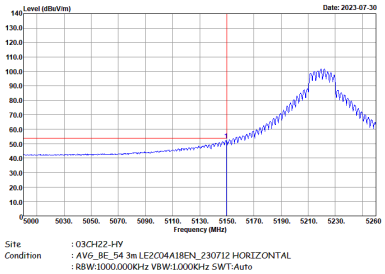
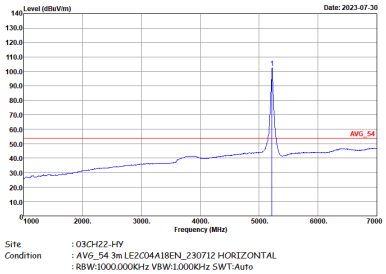
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

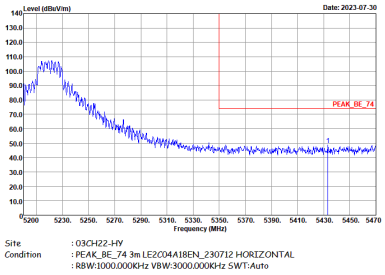
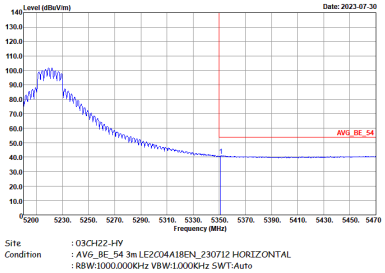
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH40 5200MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

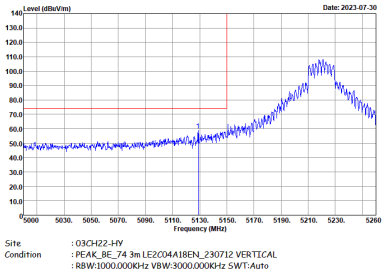
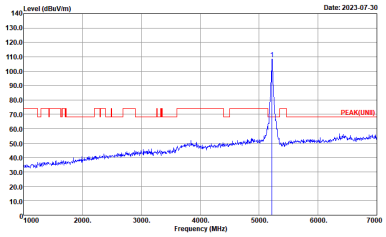
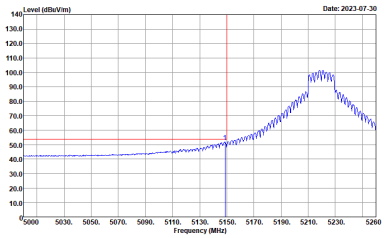
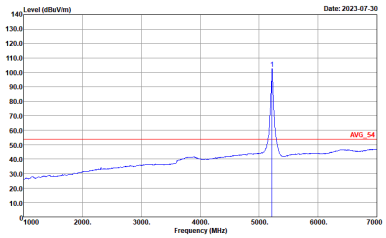
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH40 5200MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

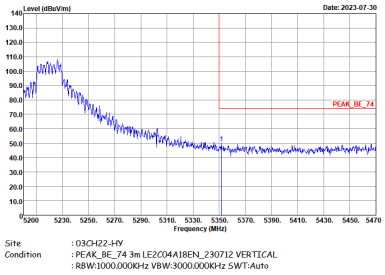
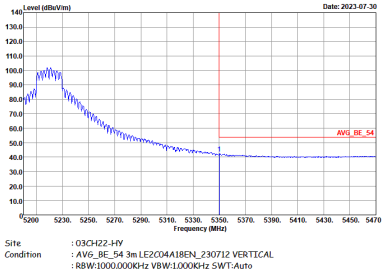
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH40 5200MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

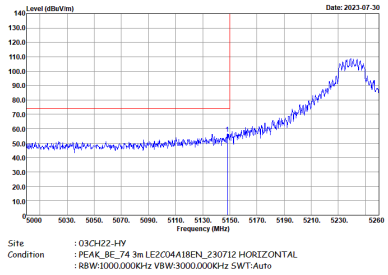
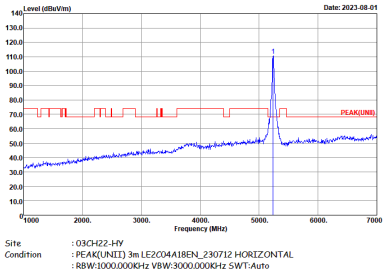
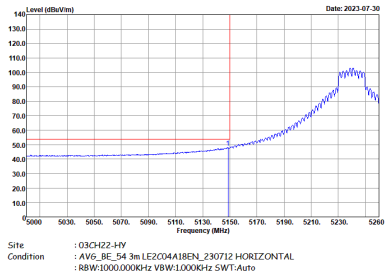
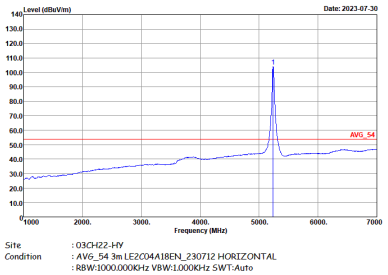
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH40 5200MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

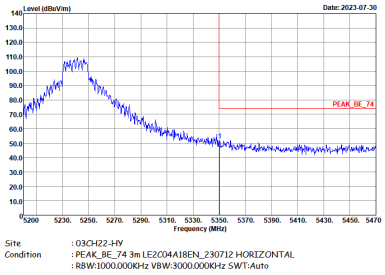
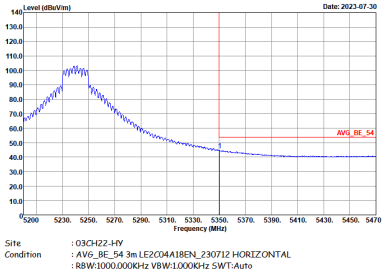
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank