



FCC RADIO TEST REPORT

FCC ID : A4RGKV4X
Equipment : Phone
Model Name : GKV4X
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Aug. 24, 2023 and testing was performed from Jul. 24, 2023 to Dec. 12, 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

Sporton International Inc. Wensan Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FR380307E	01	Initial issue of report	Dec. 13, 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	1.70 dB under the limit at 5150.00 MHz
3.5	15.207	AC Conducted Emission	Pass	22.17 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/manufacture 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
38011JEKB00290	RF Conducted Measurement
38011JEKB00050	Radiated Spurious Emission
38011JEKB00085	Conducted Emission

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 4:-3.60 Ant. 3:-3.40
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 4:-3.30 Ant. 3:-3.50
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 4:-2.90 Ant. 3:-3.00
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 4:-3.70 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 k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 4	Ant 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-3.60	-3.40	-3.40	-0.49	0.00	0.00
Band II	-3.30	-3.50	-3.30	-0.39	0.00	0.00
Band III	-2.90	-3.00	-2.90	0.06	0.00	0.00
Band IV	-3.70	-3.10	-3.10	-0.38	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = -3.60$ Bi; $G_{ANT2} = -3.40$ dBi

Directional gain of power measurement = $\max(-3.60, -3.40) + 0 = -3.40$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(-3.60 \text{ dBi} / 20)} + 10^{(-3.40 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= -0.49 \text{dBi}$$

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, 03CH15-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ 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 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 Z plane with Adapter as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700



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

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

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: - For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 3. - 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

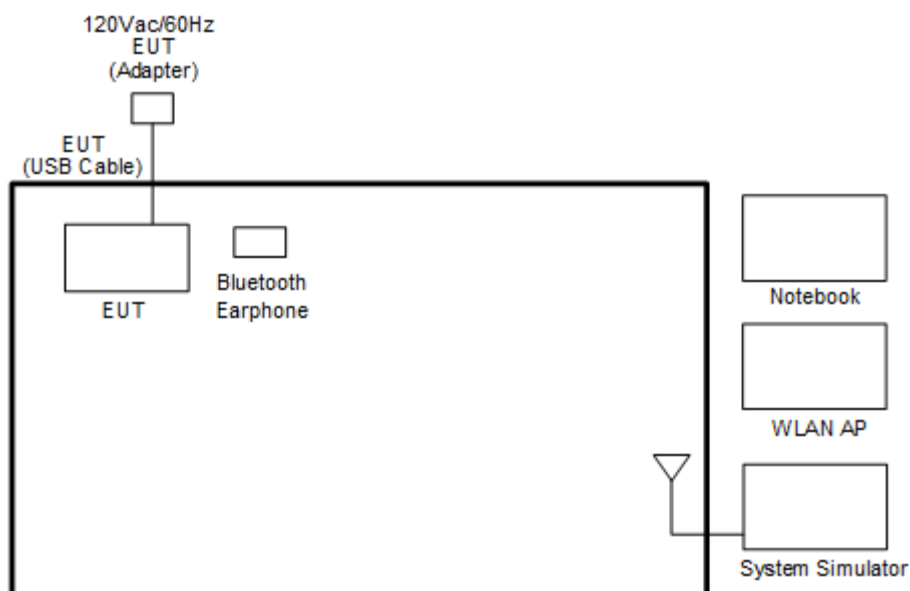
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

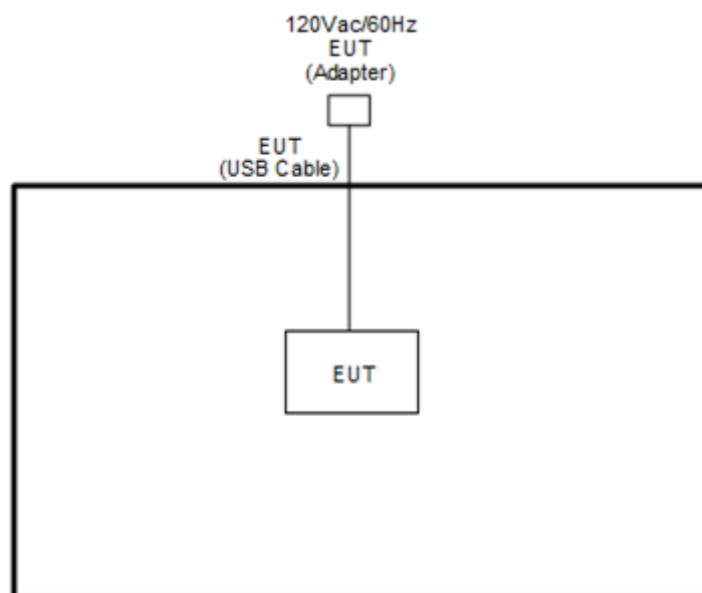
Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

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 “adb command 1.0.40” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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



3 Test Result

3.1 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.

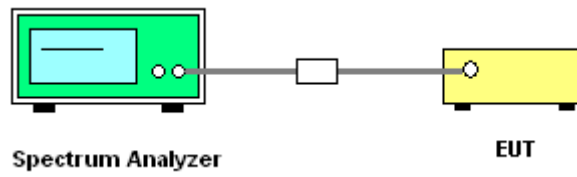
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
8. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW) $\geq 3 * RBW$. 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

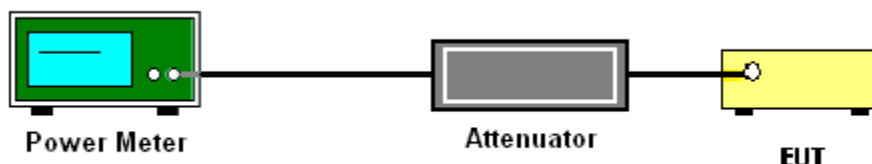
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

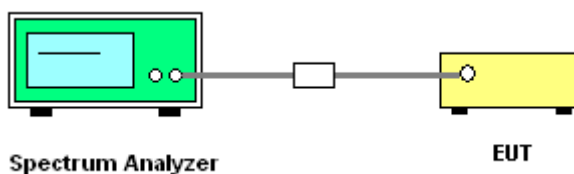
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 300kHz.
 - Set VBW ≥ 1 MHz.
 - Add $10 \log(500 \text{ kHz}/\text{RBW})$ to the measured result, whereas RBW ($< 500 \text{ kHz}$) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
 - Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$.
 - 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 $10 \log(1/0.25) = 6 \text{ dB}$ 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 $10 \log(N_{\text{ANT}})$ 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 $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ 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.

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

- 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

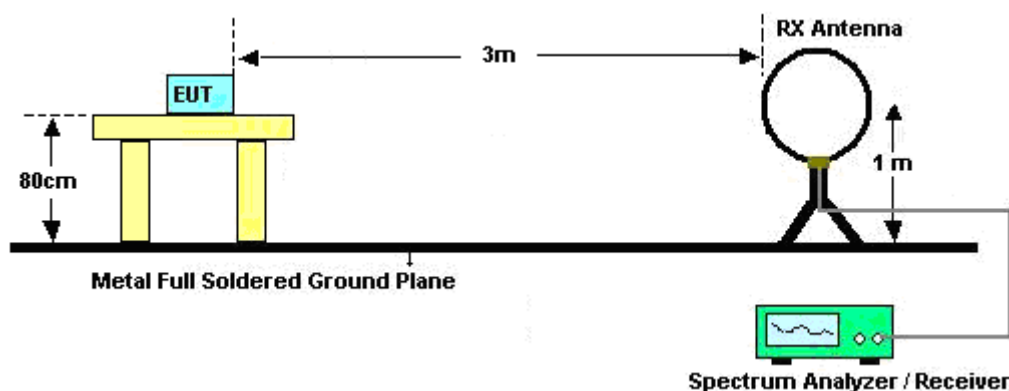
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

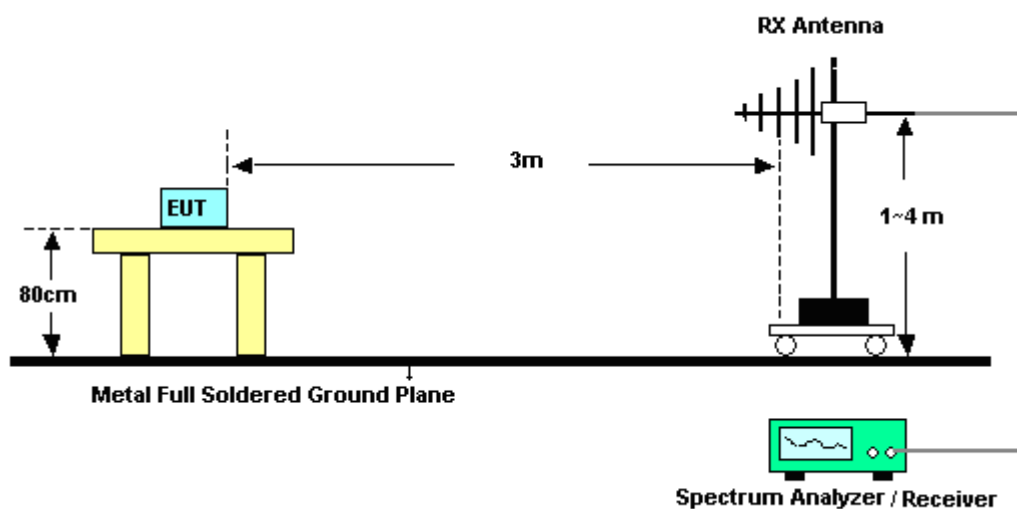
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

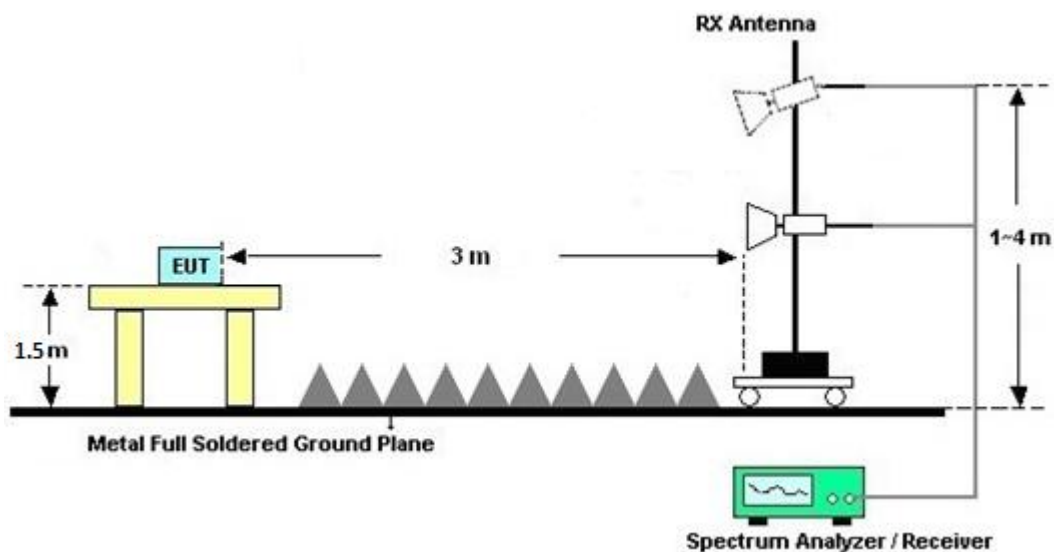
For radiated emissions below 30MHz



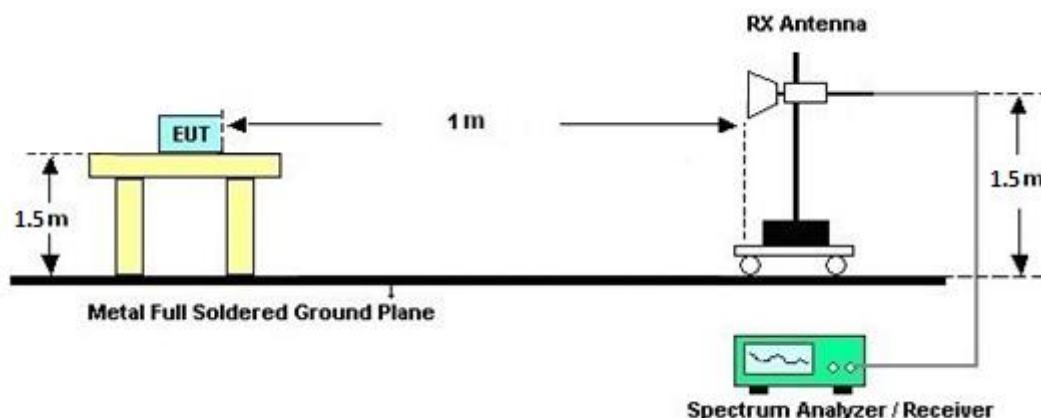
For radiated emissions from 30MHz to 1GHz



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

*Decreases with the logarithm of the frequency.

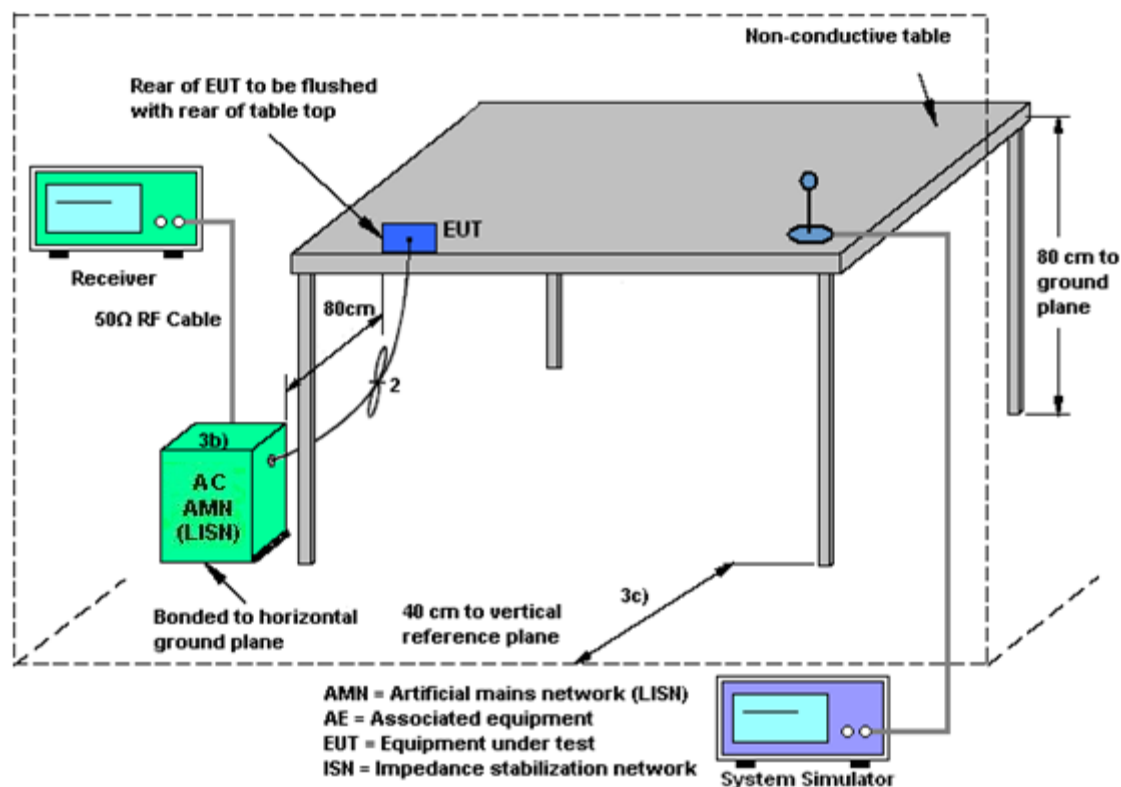
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Jul. 24, 2023~ Nov. 06, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 07, 2023~ Dec. 12, 2023	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Jul. 24, 2023~ Dec. 11, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 37 (NO:167)	10MHz~6GHz	Dec. 01, 2023	Dec. 12, 2023	Nov. 30, 2024	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 28, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 28, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 1, 2022	Sep. 28, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Sep. 28, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 5, 2023	Sep. 28, 2023	Mar. 4, 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)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jul. 31, 2023~ Nov. 01, 2023	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Jul. 31, 2023~ Nov. 01, 2023	Feb. 04, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 23, 2023	Jul. 31, 2023~ Nov. 01, 2023	Mar. 22, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 24, 2022	Jul. 31, 2023~ Nov. 01, 2023	Nov. 23, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	Jul. 31, 2023~ Nov. 01, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 16, 2023	Jul. 31, 2023~ Nov. 01, 2023	Feb. 15, 2024	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Jul. 31, 2023~ Nov. 01, 2023	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Jul. 31, 2023~ Nov. 01, 2023	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 06, 2023	Jul. 31, 2023~ Nov. 01, 2023	Oct. 05, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 20, 2023	Jul. 31, 2023~ Nov. 01, 2023	Mar. 19, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 31, 2023~ Nov. 01, 2023	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 31, 2023~ Nov. 01, 2023	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jul. 31, 2023~ Nov. 01, 2023	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4,5 19228/2,80395 0/2	N/A	Jun. 13, 2023	Jul. 31, 2023~ Nov. 01, 2023	Jun. 12, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530- 6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Jul. 31, 2023~ Nov. 01, 2023	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 07, 2023	Jul. 31, 2023~ Nov. 01, 2023	Jun. 06, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHW2-7100- 10000-18000- 40CC	SN2	10GHz High Pass Filter	Nov. 14, 2022	Jul. 31, 2023~ Nov. 01, 2023	Nov. 13, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Jul. 31, 2023~ Nov. 01, 2023	Jul. 25, 2024	Radiation (03CH15-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.46 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.30 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.20 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.40 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.20 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu/Willy Chang/Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/7/24~2023/12/12	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	17.13	16.78	24.12	21.36	-		22.25		-	
11a	6Mbps	2	44	5220	37.06	32.87	49.80	47.34	-		23.01			
11a	6Mbps	2	48	5240	19.93	18.53	36.72	32.32	-		22.68			

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	13.60	13.70	16.66	24.00		-3.40		-	Pass
11a	6Mbps	2	40	5200	17.40	17.80	20.61	24.00		-3.40			Pass
11a	6Mbps	2	44	5220	18.60	18.40	21.51	24.00		-3.40			Pass
11a	6Mbps	2	48	5240	16.40	16.30	19.36	24.00		-3.40			Pass
HT20	MCS0	2	36	5180	13.50	13.20	16.36	24.00		-3.40			Pass
HT20	MCS0	2	40	5200	16.40	16.80	19.61	24.00		-3.40			Pass
HT20	MCS0	2	44	5220	17.70	17.60	20.66	24.00		-3.40			Pass
HT20	MCS0	2	48	5240	16.00	16.30	19.16	24.00		-3.40			Pass
HT40	MCS0	2	38	5190	11.90	11.40	14.67	24.00		-3.40			Pass
HT40	MCS0	2	46	5230	16.20	16.20	19.21	24.00		-3.40			Pass
VHT20	MCS0	2	36	5180	13.50	13.20	16.36	24.00		-3.40			Pass
VHT20	MCS0	2	40	5200	16.40	16.80	19.61	24.00		-3.40			Pass
VHT20	MCS0	2	44	5220	17.70	17.60	20.66	24.00		-3.40			Pass
VHT20	MCS0	2	48	5240	16.00	16.30	19.16	24.00		-3.40			Pass
VHT40	MCS0	2	38	5190	11.90	11.40	14.67	24.00		-3.40			Pass
VHT40	MCS0	2	46	5230	16.20	16.20	19.21	24.00		-3.40			Pass
VHT80	MCS0	2	42	5210	10.40	10.90	13.67	24.00		-3.40		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	0.30	-		7.12	11.00		-0.49		Pass
11a	6Mbps	2	40	5200	0.29	0.30			10.37	11.00		-0.49		Pass
11a	6Mbps	2	44	5220	0.29	0.30			10.71	11.00		-0.49		Pass
11a	6Mbps	2	48	5240	0.29	0.30			7.80	11.00		-0.49		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	36.56	38.26	49.86	49.26	23.98		30.00		23.98		-
11a	6Mbps	2	60	5300	25.47	22.93	40.02	37.62	23.98		30.00		23.98		
11a	6Mbps	2	64	5320	17.88	17.28	30.00	29.04	23.38		29.38		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	18.50	18.20	21.36	23.98		-3.30		30	Pass
11a	6Mbps	2	60	5300	18.00	17.60	20.81	23.98		-3.30		30	Pass
11a	6Mbps	2	64	5320	13.40	12.90	16.17	23.98		-3.30		30	Pass
HT20	MCS0	2	52	5260	19.00	18.50	21.77	23.98		-3.30		30	Pass
HT20	MCS0	2	60	5300	17.50	17.10	20.31	23.98		-3.30		30	Pass
HT20	MCS0	2	64	5320	13.50	13.00	16.27	23.98		-3.30		30	Pass
HT40	MCS0	2	54	5270	16.50	16.30	19.41	23.98		-3.30		30	Pass
HT40	MCS0	2	62	5310	12.40	12.40	15.41	23.98		-3.30		30	Pass
VHT20	MCS0	2	52	5260	18.90	18.60	21.76	23.98		-3.30		30	Pass
VHT20	MCS0	2	60	5300	17.50	17.10	20.31	23.98		-3.30		30	Pass
VHT20	MCS0	2	64	5320	13.50	13.00	16.27	23.98		-3.30		30	Pass
VHT40	MCS0	2	54	5270	16.50	16.30	19.41	23.98		-3.30		30	Pass
VHT40	MCS0	2	62	5310	12.40	12.40	15.41	23.98		-3.30		30	Pass
VHT80	MCS0	2	58	5290	12.60	12.60	15.61	23.98		-3.30		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	0.30	-		10.39	11.00		-0.39		Pass
11a	6Mbps	2	60	5300	0.29	0.30			10.25	11.00		-0.39		Pass
11a	6Mbps	2	64	5320	0.29	0.30			5.57	11.00		-0.39		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	21.83	19.43	37.62	35.64	23.88		29.88		23.98		----	----
11a	6Mbps	2	116	5580	25.62	24.43	40.08	39.18	23.98		30.00		23.98		----	----
11a	6Mbps	2	140	5700	17.48	17.33	26.70	27.18	23.39		29.39		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	17.44	15.94	24.56	23.60	23.02		29.02		23.98		3	2.65
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	16.70	16.90	19.81	23.98		-2.90		30	Pass
11a	6Mbps	2	104	5520	18.30	18.50	21.41	23.98		-2.90		30	Pass
11a	6Mbps	2	116	5580	18.50	18.10	21.31	23.98		-2.90		30	Pass
11a	6Mbps	2	136	5680	18.40	18.20	21.31	23.98		-2.90		30	Pass
11a	6Mbps	2	140	5700	15.00	14.50	17.77	23.98		-2.90		30	Pass
HT20	MCS0	2	100	5500	17.30	16.80	20.07	23.98		-2.90		30	Pass
HT20	MCS0	2	104	5520	18.40	18.60	21.51	23.98		-2.90		30	Pass
HT20	MCS0	2	116	5580	19.00	18.60	21.81	23.98		-2.90		30	Pass
HT20	MCS0	2	136	5680	17.80	17.90	20.86	23.98		-2.90		30	Pass
HT20	MCS0	2	140	5700	13.40	12.60	16.03	23.98		-2.90		30	Pass
HT40	MCS0	2	102	5510	15.70	15.40	18.56	23.98		-2.90		30	Pass
HT40	MCS0	2	110	5550	17.80	17.20	20.52	23.98		-2.90		30	Pass
HT40	MCS0	2	134	5670	17.40	16.80	20.12	23.98		-2.90		30	Pass
VHT20	MCS0	2	100	5500	17.30	16.80	20.07	23.98		-2.90		30	Pass
VHT20	MCS0	2	104	5520	18.40	18.60	21.51	23.98		-2.90		30	Pass
VHT20	MCS0	2	116	5580	19.00	18.60	21.81	23.98		-2.90		30	Pass
VHT20	MCS0	2	136	5680	17.80	17.90	20.86	23.98		-2.90		30	Pass
VHT20	MCS0	2	140	5700	13.40	12.60	16.03	23.98		-2.90		30	Pass
VHT40	MCS0	2	102	5510	15.70	15.40	18.56	23.98		-2.90		30	Pass
VHT40	MCS0	2	110	5550	17.80	17.20	20.52	23.98		-2.90		30	Pass
VHT40	MCS0	2	134	5670	17.40	16.80	20.12	23.98		-2.90		30	Pass
VHT80	MCS0	2	106	5530	14.00	13.80	16.91	23.98		-2.90		30	Pass
VHT80	MCS0	2	122	5610	16.90	16.80	19.86	23.98		-2.90		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	18.50	17.90	21.22	23.98		-2.90		30	Pass
HT20	MCS0	2	144	5720	19.00	18.30	21.67	23.98		-2.90		30	Pass
HT40	MCS0	2	142	5710	17.90	17.30	20.62	23.98		-2.90		30	Pass
VHT20	MCS0	2	144	5720	18.90	18.30	21.62	23.98		-2.90		30	Pass
VHT40	MCS0	2	142	5710	17.90	17.30	20.62	23.98		-2.90		30	Pass
VHT80	MCS0	2	138	5690	17.90	17.10	20.53	23.98		-2.90		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	0.30	-		9.25	11.00	0.06		-	Pass
11a	6Mbps	2	104	5520	0.29	0.30			10.85	11.00	0.06			Pass
11a	6Mbps	2	116	5580	0.29	0.30			10.85	11.00	0.06			Pass
11a	6Mbps	2	136	5680	0.29	0.30			10.85	11.00	0.06			Pass
11a	6Mbps	2	140	5700	0.29	0.30			8.01	11.00	0.06			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	0.30	-		10.90	11.00		0.06		-	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	18.98	18.93	21.00	21.18	-		22.77		-	-
HE20	MCS0	2	44	5220	Full	26.62	25.47	44.88	44.40	-		23.01			
HE20	MCS0	2	48	5240	Full	19.88	19.53	42.48	35.68	-		22.91			
HE40	MCS0	2	38	5190	Full	37.86	37.86	41.28	41.28	-		23.01			
HE40	MCS0	2	46	5230	Full	38.96	38.56	78.60	74.64	-		23.01			
HE80	MCS0	2	42	5210	Full	76.84	76.84	81.84	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	13.50	13.30	16.41	24.00		-3.40			Pass
HE20	MCS0	2	36	5180	26/0	5.30	4.50	7.93	24.00		-3.40			Pass
HE20	MCS0	2	36	5180	52/37	8.10	7.70	10.91	24.00		-3.40			Pass
HE20	MCS0	2	36	5180	106/53	10.60	10.50	13.56	24.00		-3.40			Pass
HE20	MCS0	2	40	5200	Full	16.50	16.90	19.71	24.00		-3.40			Pass
HE20	MCS0	2	40	5200	26/0	9.10	8.80	11.96	24.00		-3.40			Pass
HE20	MCS0	2	40	5200	52/37	11.20	11.10	14.16	24.00		-3.40			Pass
HE20	MCS0	2	40	5200	106/53	14.20	14.50	17.36	24.00		-3.40			Pass
HE20	MCS0	2	44	5220	Full	17.80	17.70	20.76	24.00		-3.40			Pass
HE20	MCS0	2	44	5220	26/4	10.90	10.30	13.62	24.00		-3.40			Pass
HE20	MCS0	2	44	5220	52/38	12.60	12.30	15.46	24.00		-3.40			Pass
HE20	MCS0	2	44	5220	106/53	15.20	15.20	18.21	24.00		-3.40			Pass
HE20	MCS0	2	48	5240	Full	16.20	16.50	19.36	24.00		-3.40			Pass
HE20	MCS0	2	48	5240	26/8	7.60	7.30	10.46	24.00		-3.40			Pass
HE20	MCS0	2	48	5240	52/40	10.20	9.80	13.01	24.00		-3.40			Pass
HE20	MCS0	2	48	5240	106/54	13.50	13.70	16.61	24.00		-3.40			Pass
HE40	MCS0	2	38	5190	Full	12.00	11.50	14.77	24.00		-3.40			Pass
HE40	MCS0	2	46	5230	Full	16.30	16.30	19.31	24.00		-3.40			Pass
HE80	MCS0	2	42	5210	Full	10.50	11.00	13.77	24.00		-3.40			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	-		5.24	11.00	-0.49			Pass	
HE20	MCS0	2	36	5180	26/0	0.48	0.48			5.04	11.00	-0.49			Pass	
HE20	MCS0	2	36	5180	52/37	0.53	0.52			5.09	11.00	-0.49			Pass	
HE20	MCS0	2	36	5180	106/53	0.58	0.58			5.01	11.00	-0.49			Pass	
HE20	MCS0	2	40	5200	Full	0.40	0.40			8.30	11.00	-0.49			Pass	
HE20	MCS0	2	40	5200	26/0	0.48	0.48			8.16	11.00	-0.49			Pass	
HE20	MCS0	2	40	5200	52/37	0.53	0.52			7.76	11.00	-0.49			Pass	
HE20	MCS0	2	40	5200	106/53	0.58	0.58			7.79	11.00	-0.49			Pass	
HE20	MCS0	2	44	5220	Full	0.40	0.40			9.52	11.00	-0.49			Pass	
HE20	MCS0	2	44	5220	26/4	0.48	0.48			9.29	11.00	-0.49			Pass	
HE20	MCS0	2	44	5220	52/38	0.53	0.52			9.33	11.00	-0.49			Pass	
HE20	MCS0	2	44	5220	106/53	0.58	0.58			9.09	11.00	-0.49			Pass	
HE20	MCS0	2	48	5240	Full	0.40	0.40			7.25	11.00	-0.49			Pass	
HE20	MCS0	2	48	5240	26/8	0.48	0.48			7.19	11.00	-0.49			Pass	
HE20	MCS0	2	48	5240	52/40	0.53	0.52			7.17	11.00	-0.49			Pass	
HE20	MCS0	2	48	5240	106/54	0.58	0.58			6.83	11.00	-0.49			Pass	
HE40	MCS0	2	38	5190	Full	0.40	0.40			0.74	11.00	-0.49			Pass	
HE40	MCS0	2	46	5230	Full	0.40	0.40			5.00	11.00	-0.49			Pass	
HE80	MCS0	2	42	5210	Full	0.54	0.54			-1.25	11.00	-0.49			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	39.86	42.16	56.75	49.24	23.98		30.00		23.98		
HE20	MCS0	2	60	5300	Full	22.73	20.08	37.98	35.70	23.98		30.00		23.98		
HE20	MCS0	2	64	5320	Full	19.23	19.13	30.84	27.90	23.82		29.82		23.98		
HE40	MCS0	2	54	5270	Full	38.76	38.36	71.04	67.80	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.76	37.76	41.16	41.04	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.84	76.84	81.84	81.84	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	19.00	18.70	21.86	23.98		-3.30		30	Pass
HE20	MCS0	2	52	5260	26/0	10.00	9.20	12.63	23.98		-3.30		30	Pass
HE20	MCS0	2	52	5260	52/37	12.40	12.40	15.41	23.98		-3.30		30	Pass
HE20	MCS0	2	52	5260	106/53	14.90	14.60	17.76	23.98		-3.30		30	Pass
HE20	MCS0	2	60	5300	Full	17.50	17.20	20.36	23.98		-3.30		30	Pass
HE20	MCS0	2	60	5300	26/4	10.00	9.70	12.86	23.98		-3.30		30	Pass
HE20	MCS0	2	60	5300	52/38	11.80	11.30	14.57	23.98		-3.30		30	Pass
HE20	MCS0	2	60	5300	106/53	14.50	14.00	17.27	23.98		-3.30		30	Pass
HE20	MCS0	2	64	5320	Full	13.50	13.10	16.31	23.98		-3.30		30	Pass
HE20	MCS0	2	64	5320	26/8	5.00	3.90	7.50	23.98		-3.30		30	Pass
HE20	MCS0	2	64	5320	52/40	7.80	7.10	10.47	23.98		-3.30		30	Pass
HE20	MCS0	2	64	5320	106/54	10.80	10.00	13.43	23.98		-3.30		30	Pass
HE40	MCS0	2	54	5270	Full	16.50	16.40	19.46	23.98		-3.30		30	Pass
HE40	MCS0	2	62	5310	Full	12.50	12.50	15.51	23.98		-3.30		30	Pass
HE80	MCS0	2	58	5290	Full	12.70	12.70	15.71	23.98		-3.30		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	-		9.63	11.00	-0.39		-	Pass	
HE20	MCS0	2	52	5260	26/0	0.48	0.48			9.37	11.00	-0.39			Pass	
HE20	MCS0	2	52	5260	52/37	0.53	0.52			9.54	11.00	-0.39			Pass	
HE20	MCS0	2	52	5260	106/53	0.58	0.58			9.37	11.00	-0.39			Pass	
HE20	MCS0	2	60	5300	Full	0.40	0.40			8.51	11.00	-0.39			Pass	
HE20	MCS0	2	60	5300	26/4	0.48	0.48			8.15	11.00	-0.39			Pass	
HE20	MCS0	2	60	5300	52/38	0.53	0.52			8.48	11.00	-0.39			Pass	
HE20	MCS0	2	60	5300	106/53	0.58	0.58			8.45	11.00	-0.39			Pass	
HE20	MCS0	2	64	5320	Full	0.40	0.40			4.70	11.00	-0.39			Pass	
HE20	MCS0	2	64	5320	26/8	0.48	0.48			4.60	11.00	-0.39			Pass	
HE20	MCS0	2	64	5320	52/40	0.53	0.52			4.62	11.00	-0.39			Pass	
HE20	MCS0	2	64	5320	106/54	0.58	0.58			4.36	11.00	-0.39			Pass	
HE40	MCS0	2	54	5270	Full	0.40	0.40			5.58	11.00	-0.39			Pass	
HE40	MCS0	2	62	5310	Full	0.40	0.40			1.18	11.00	-0.39			Pass	
HE80	MCS0	2	58	5290	Full	0.54	0.54			-0.99	11.00	-0.39			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	19.43	19.23	32.76	31.80	23.84		29.84		23.98		----	----
HE20	MCS0	2	116	5580	Full	28.92	27.32	48.24	46.08	23.98		30.00		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	19.03	21.96	21.30	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.06	37.86	44.40	48.12	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	39.36	38.46	71.16	67.20	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.56	38.46	72.36	68.04	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.96	81.60	81.60	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.32	77.20	101.76	101.04	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	18.84	17.84	27.86	26.78	23.51		29.51		23.98		3	3.9
HE40	MCS0	2	142	5710	Full	34.38	34.18	52.20	48.24	23.98		30.00		23.98		3.81	3.9
HE80	MCS0	2	138	5690	Full	73.60	73.60	95.00	109.88	23.98		30.00		23.98		3.88	3.4

6dB Bandwidth Limit > 500kHz															Pass	
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TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N _{rx}	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	17.40	16.90	20.17	23.98		-2.90		30	Pass
HE20	MCS0	2	100	5500	26/0	8.90	8.50	11.71	23.98		-2.90		30	Pass
HE20	MCS0	2	100	5500	52/37	11.50	11.20	14.36	23.98		-2.90		30	Pass
HE20	MCS0	2	100	5500	106/53	15.00	14.80	17.91	23.98		-2.90		30	Pass
HE20	MCS0	2	104	5520	Full	18.50	18.70	21.61	23.98		-2.90		30	Pass
HE20	MCS0	2	104	5520	26/0	9.70	9.70	12.71	23.98		-2.90		30	Pass
HE20	MCS0	2	104	5520	52/37	13.00	13.30	16.16	23.98		-2.90		30	Pass
HE20	MCS0	2	104	5520	106/53	15.20	16.10	18.68	23.98		-2.90		30	Pass
HE20	MCS0	2	116	5580	Full	19.00	18.70	21.86	23.98		-2.90		30	Pass
HE20	MCS0	2	116	5580	26/4	10.70	10.60	13.66	23.98		-2.90		30	Pass
HE20	MCS0	2	116	5580	52/38	13.00	12.50	15.77	23.98		-2.90		30	Pass
HE20	MCS0	2	116	5580	106/53	15.80	15.60	18.71	23.98		-2.90		30	Pass
HE20	MCS0	2	136	5680	Full	17.90	18.00	20.96	23.98		-2.90		30	Pass
HE20	MCS0	2	136	5680	26/8	9.70	10.20	12.97	23.98		-2.90		30	Pass
HE20	MCS0	2	136	5680	52/40	12.40	12.70	15.56	23.98		-2.90		30	Pass
HE20	MCS0	2	136	5680	106/54	12.70	12.70	15.71	23.98		-2.90		30	Pass
HE20	MCS0	2	140	5700	Full	13.50	12.70	16.13	23.98		-2.90		30	Pass
HE20	MCS0	2	140	5700	26/8	4.50	3.50	7.04	23.98		-2.90		30	Pass
HE20	MCS0	2	140	5700	52/40	7.70	6.50	10.15	23.98		-2.90		30	Pass
HE20	MCS0	2	140	5700	106/54	10.60	9.30	13.01	23.98		-2.90		30	Pass
HE40	MCS0	2	102	5510	Full	15.80	15.50	18.66	23.98		-2.90		30	Pass
HE40	MCS0	2	110	5550	Full	17.90	17.30	20.62	23.98		-2.90		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	16.90	20.22	23.98		-2.90		30	Pass
HE80	MCS0	2	106	5530	Full	14.10	13.90	17.01	23.98		-2.90		30	Pass
HE80	MCS0	2	122	5610	Full	17.00	16.90	19.96	23.98		-2.90		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{rx}	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	18.40	21.72	23.98		-2.90		30	Pass
HE20	MCS0	2	144	5720	26/8	10.60	9.10	12.92	23.98		-2.90		30	Pass
HE20	MCS0	2	144	5720	52/40	13.20	12.30	15.78	23.98		-2.90		30	Pass
HE20	MCS0	2	144	5720	106/54	16.10	15.00	18.60	23.98		-2.90		30	Pass
HE40	MCS0	2	142	5710	Full	18.00	17.40	20.72	23.98		-2.90		30	Pass
HE80	MCS0	2	138	5690	Full	18.00	17.20	20.63	23.98		-2.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	N _{rx}	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	-		8.91	11.00	0.06		-	Pass	
HE20	MCS0	2	100	5500	26/0	0.48	0.48			8.72	11.00	0.06			Pass	
HE20	MCS0	2	100	5500	52/37	0.53	0.52			8.33	11.00	0.06			Pass	
HE20	MCS0	2	100	5500	106/53	0.58	0.58			8.80	11.00	0.06			Pass	
HE20	MCS0	2	104	5520	Full	0.40	0.40			9.49	11.00	0.06			Pass	
HE20	MCS0	2	104	5520	26/0	0.48	0.48			8.98	11.00	0.06			Pass	
HE20	MCS0	2	104	5520	52/37	0.53	0.52			9.13	11.00	0.06			Pass	
HE20	MCS0	2	104	5520	106/53	0.58	0.58			9.25	11.00	0.06			Pass	
HE20	MCS0	2	116	5580	Full	0.40	0.40			9.80	11.00	0.06			Pass	
HE20	MCS0	2	116	5580	26/4	0.48	0.48			9.32	11.00	0.06			Pass	
HE20	MCS0	2	116	5580	52/38	0.53	0.52			9.70	11.00	0.06			Pass	
HE20	MCS0	2	116	5580	106/53	0.58	0.58			9.68	11.00	0.06			Pass	
HE20	MCS0	2	136	5680	Full	0.40	0.40			9.65	11.00	0.06			Pass	
HE20	MCS0	2	136	5680	26/8	0.48	0.48			9.19	11.00	0.06			Pass	
HE20	MCS0	2	136	5680	52/40	0.53	0.52			9.28	11.00	0.06			Pass	
HE20	MCS0	2	136	5680	106/54	0.58	0.58			9.18	11.00	0.06			Pass	
HE20	MCS0	2	140	5700	Full	0.40	0.40			4.43	11.00	0.06			Pass	
HE20	MCS0	2	140	5700	26/8	0.48	0.48			4.37	11.00	0.06			Pass	
HE20	MCS0	2	140	5700	52/40	0.53	0.52			4.39	11.00	0.06			Pass	
HE20	MCS0	2	140	5700	106/54	0.58	0.58			4.02	11.00	0.06			Pass	
HE40	MCS0	2	102	5510	Full	0.40	0.40			4.74	11.00	0.06			Pass	
HE40	MCS0	2	110	5550	Full	0.40	0.40			6.57	11.00	0.06			Pass	
HE40	MCS0	2	134	5670	Full	0.40	0.40			5.93	11.00	0.06			Pass	
HE80	MCS0	2	106	5530	Full	0.54	0.54			-0.22	11.00	0.06			Pass	
HE80	MCS0	2	122	5610	Full	0.54	0.54			2.90	11.00	0.06			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	-		9.82	11.00	0.06	-		Pass
HE20	MCS0	2	144	5720	26/8	0.48	0.48			9.77	11.00	0.06			Pass
HE20	MCS0	2	144	5720	52/40	0.53	0.52			9.73	11.00	0.06			Pass
HE20	MCS0	2	144	5720	106/54	0.58	0.58			9.65	11.00	0.06			Pass
HE40	MCS0	2	142	5710	Full	0.40	0.40			6.35	11.00	0.06			Pass
HE80	MCS0	2	138	5690	Full	0.54	0.54			3.74	11.00	0.06			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	40.56	38.76	44.46	52.56	16.00	16.45	0.5	Pass
11a	6Mbps	2	157	5785	42.26	38.36	44.34	52.74	16.15	16.45	0.5	Pass
11a	6Mbps	2	165	5825	40.56	37.66	44.28	56.58	16.15	16.45	0.5	Pass
HT20	MCS0	2	149	5745	43.96	40.76	47.30	57.91	16.75	17.65	0.5	Pass
HT20	MCS0	2	157	5785	43.06	40.66	46.64	61.69	17.25	16.65	0.5	Pass
HT20	MCS0	2	165	5825	42.56	39.46	45.92	60.57	16.20	17.75	0.5	Pass
HT40	MCS0	2	151	5755	49.15	51.95	82.88	87.84	35.37	36.45	0.5	Pass
HT40	MCS0	2	159	5795	44.96	42.66	85.76	82.56	35.28	35.28	0.5	Pass
VHT80	MCS0	2	155	5775	76.72	76.84	161.28	160.64	75.84	75.52	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	19.70	19.70	22.71	30.00		-3.10		Pass
11a	6Mbps	2	157	5785	19.80	19.50	22.66	30.00		-3.10		Pass
11a	6Mbps	2	165	5825	19.90	19.60	22.76	30.00		-3.10		Pass
HT20	MCS0	2	149	5745	19.60	19.50	22.56	30.00		-3.10		Pass
HT20	MCS0	2	157	5785	19.80	19.50	22.66	30.00		-3.10		Pass
HT20	MCS0	2	165	5825	20.00	19.70	22.86	30.00		-3.10		Pass
HT40	MCS0	2	151	5755	18.00	17.60	20.81	30.00		-3.10		Pass
HT40	MCS0	2	159	5795	17.90	17.40	20.67	30.00		-3.10		Pass
VHT20	MCS0	2	149	5745	18.80	18.50	21.66	30.00		-3.10		Pass
VHT20	MCS0	2	157	5785	18.90	18.50	21.71	30.00		-3.10		Pass
VHT20	MCS0	2	165	5825	19.00	18.50	21.77	30.00		-3.10		Pass
VHT40	MCS0	2	151	5755	18.00	17.60	20.81	30.00		-3.10		Pass
VHT40	MCS0	2	159	5795	17.90	17.40	20.67	30.00		-3.10		Pass
VHT80	MCS0	2	155	5775	18.00	17.30	20.67	30.00		-3.10		Pass

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	0.30	2.22	6.47	6.18	9.48	30.00	-0.38	Pass			
11a	6Mbps	2	157	5785	0.29	0.30	2.22	6.60	6.10	9.61	30.00	-0.38	Pass			
11a	6Mbps	2	165	5825	0.29	0.30	2.22	6.50	6.08	9.51	30.00	-0.38	Pass			
HT20	MCS0	2	149	5745	0.31	0.31	2.22	6.00	5.59	9.01	30.00	-0.38	Pass			
HT20	MCS0	2	157	5785	0.31	0.31	2.22	6.03	5.64	9.04	30.00	-0.38	Pass			
HT20	MCS0	2	165	5825	0.31	0.31	2.22	6.27	5.79	9.28	30.00	-0.38	Pass			
HT40	MCS0	2	151	5755	0.32	0.33	2.22	1.57	1.50	4.58	30.00	-0.38	Pass			
HT40	MCS0	2	159	5795	0.32	0.33	2.22	1.36	1.21	4.37	30.00	-0.38	Pass			
VHT80	MCS0	2	155	5775	0.46	0.46	2.22	-2.12	-1.79	1.22	30.00	-0.38	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	23.68	26.67	38.08	46.12	17.85	16.45	0.5	Pass
HE20	MCS0	2	157	5785	Full	24.63	27.57	43.16	45.18	18.25	15.95	0.5	Pass
HE20	MCS0	2	165	5825	Full	23.48	26.42	37.64	42.70	17.10	15.55	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.86	38.96	70.44	70.56	37.80	36.54	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.86	39.06	71.28	70.56	37.62	37.26	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.44	77.44	127.20	119.28	76.64	76.16	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	18.90	18.60	21.76	30.00		-3.10		Pass
HE20	MCS0	2	149	5745	26/0	10.80	10.40	13.61	30.00		-3.10		Pass
HE20	MCS0	2	149	5745	52/37	14.00	14.00	17.01	30.00		-3.10		Pass
HE20	MCS0	2	149	5745	106/53	16.70	16.80	19.76	30.00		-3.10		Pass
HE20	MCS0	2	157	5785	Full	19.00	18.60	21.81	30.00		-3.10		Pass
HE20	MCS0	2	157	5785	26/4	11.00	10.80	13.91	30.00		-3.10		Pass
HE20	MCS0	2	157	5785	52/38	13.80	13.70	16.76	30.00		-3.10		Pass
HE20	MCS0	2	157	5785	106/53	17.00	16.80	19.91	30.00		-3.10		Pass
HE20	MCS0	2	165	5825	Full	19.00	18.60	21.81	30.00		-3.10		Pass
HE20	MCS0	2	165	5825	26/8	10.90	9.70	13.35	30.00		-3.10		Pass
HE20	MCS0	2	165	5825	52/40	13.90	13.60	16.76	30.00		-3.10		Pass
HE20	MCS0	2	165	5825	106/54	16.80	16.50	19.66	30.00		-3.10		Pass
HE40	MCS0	2	151	5755	Full	18.00	17.70	20.86	30.00		-3.10		Pass
HE40	MCS0	2	159	5795	Full	18.00	17.50	20.77	30.00		-3.10		Pass
HE80	MCS0	2	155	5775	Full	18.00	17.40	20.72	30.00		-3.10		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		4.88	4.53	7.89	30.00		-0.38		Pass
HE20	MCS0	2	149	5745	26/0	0.48	0.48	2.22		4.50	4.27	7.51	30.00		-0.38		Pass
HE20	MCS0	2	149	5745	52/37	0.53	0.52	2.22		4.74	4.60	7.75	30.00		-0.38		Pass
HE20	MCS0	2	149	5745	106/53	0.58	0.58	2.22		4.65	4.47	7.66	30.00		-0.38		Pass
HE20	MCS0	2	157	5785	Full	0.40	0.40	2.22		4.92	4.59	7.93	30.00		-0.38		Pass
HE20	MCS0	2	157	5785	26/4	0.48	0.48	2.22		4.85	4.55	7.86	30.00		-0.38		Pass
HE20	MCS0	2	157	5785	52/38	0.53	0.52	2.22		4.64	4.51	7.65	30.00		-0.38		Pass
HE20	MCS0	2	157	5785	106/53	0.58	0.58	2.22		4.78	4.65	7.79	30.00		-0.38		Pass
HE20	MCS0	2	165	5825	Full	0.40	0.40	2.22		5.13	4.71	8.14	30.00		-0.38		Pass
HE20	MCS0	2	165	5825	26/8	0.48	0.48	2.22		4.71	4.59	7.72	30.00		-0.38		Pass
HE20	MCS0	2	165	5825	52/40	0.53	0.52	2.22		4.82	4.55	7.83	30.00		-0.38		Pass
HE20	MCS0	2	165	5825	106/54	0.58	0.58	2.22		4.88	4.50	7.89	30.00		-0.38		Pass
HE40	MCS0	2	151	5755	Full	0.40	0.40	2.22		1.11	0.67	4.12	30.00		-0.38		Pass
HE40	MCS0	2	159	5795	Full	0.40	0.40	2.22		1.45	0.79	4.46	30.00		-0.38		Pass
HE80	MCS0	2	155	5775	Full	0.54	0.54	2.22		-1.51	-2.44	1.50	30.00		-0.38		Pass

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

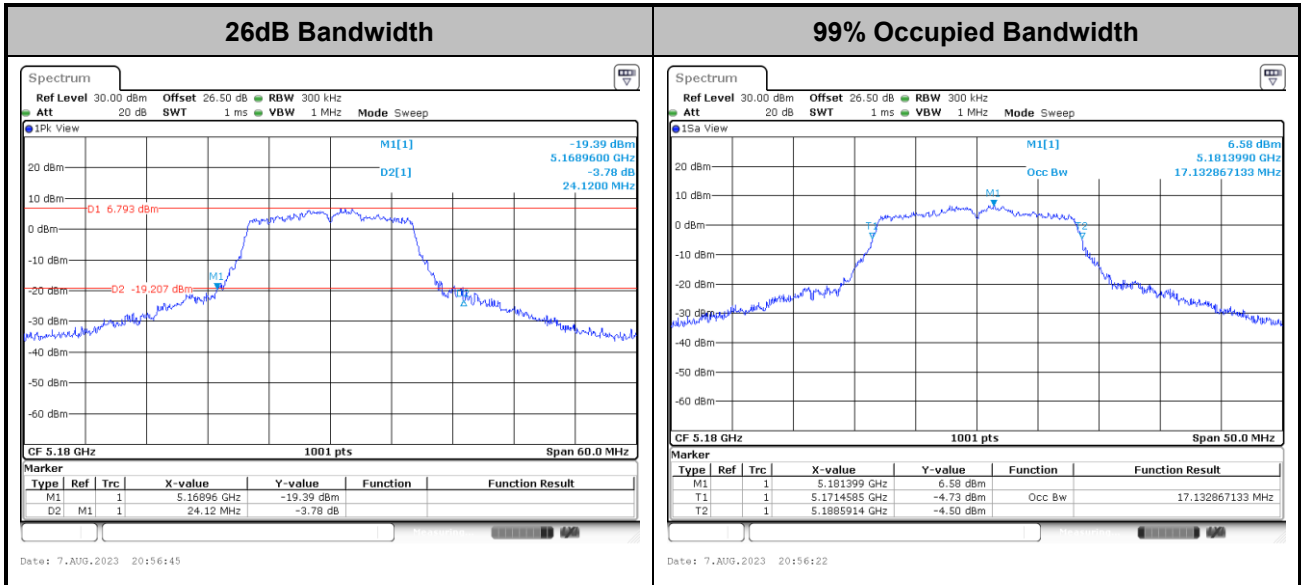
**Test Result of 26dB & 99% Occupied Bandwidth**

<For Band 1~3>

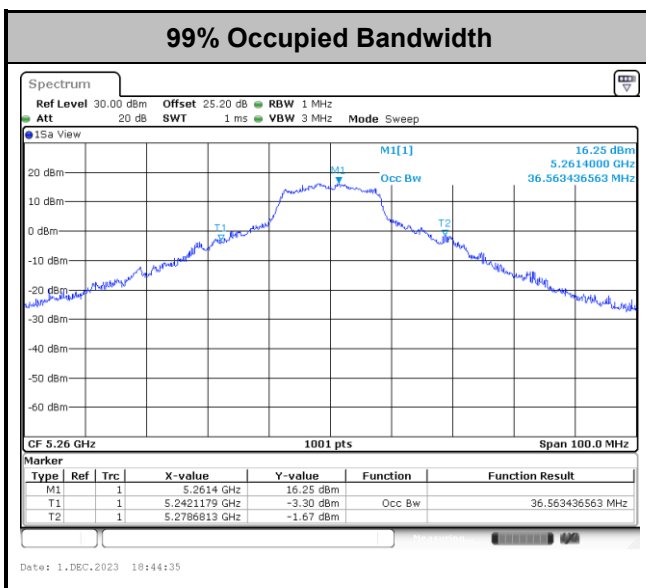
MIMO <Ant. 4+3(4)>

<802.11a>

Channel 36



Channel 52

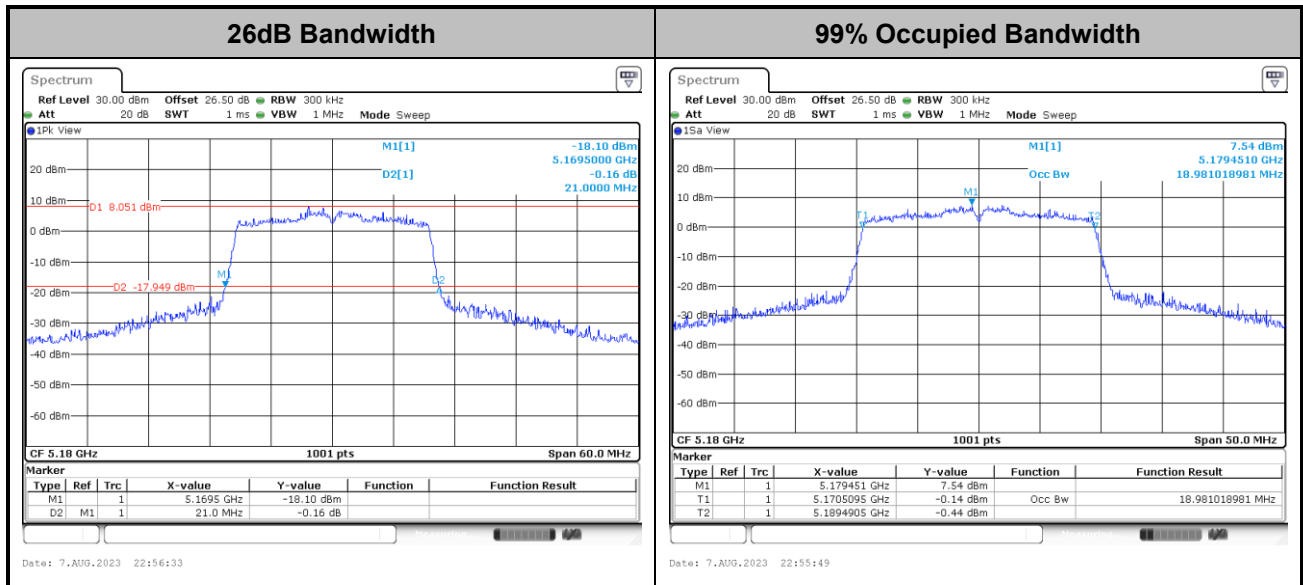


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

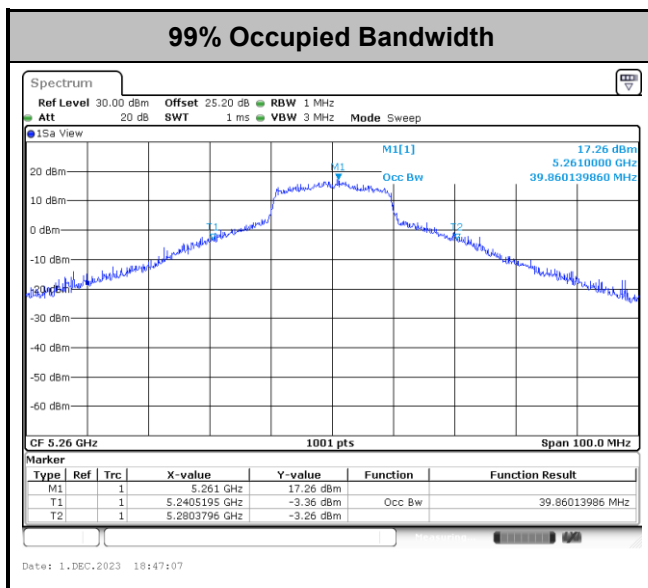


<802.11ax HE20>

Channel 36



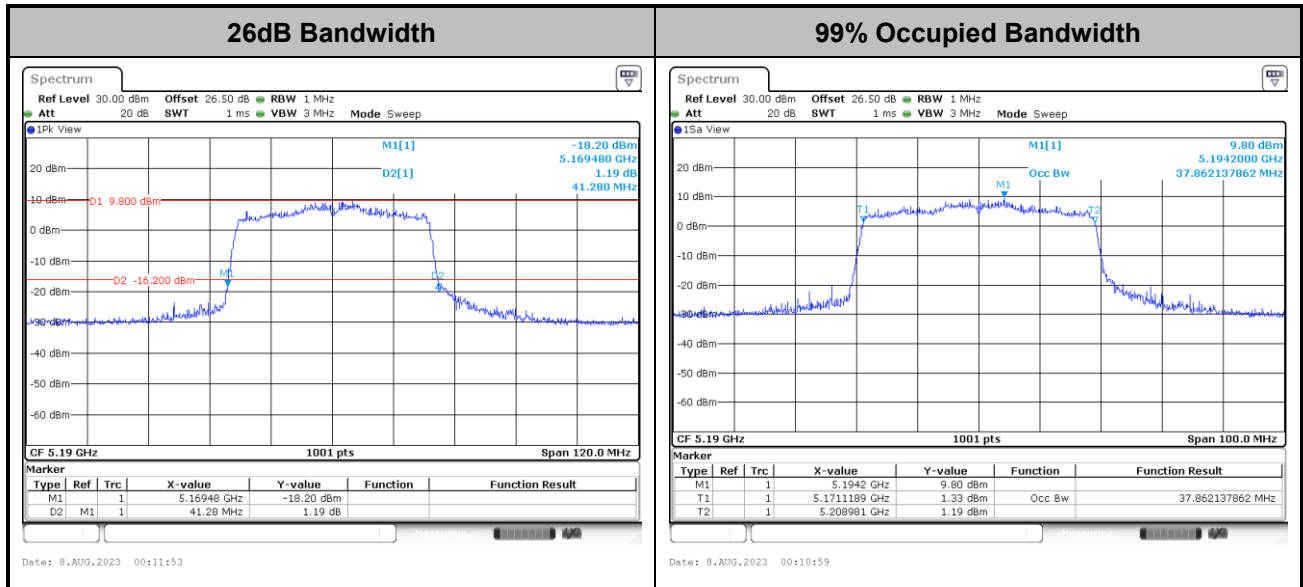
Channel 52



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

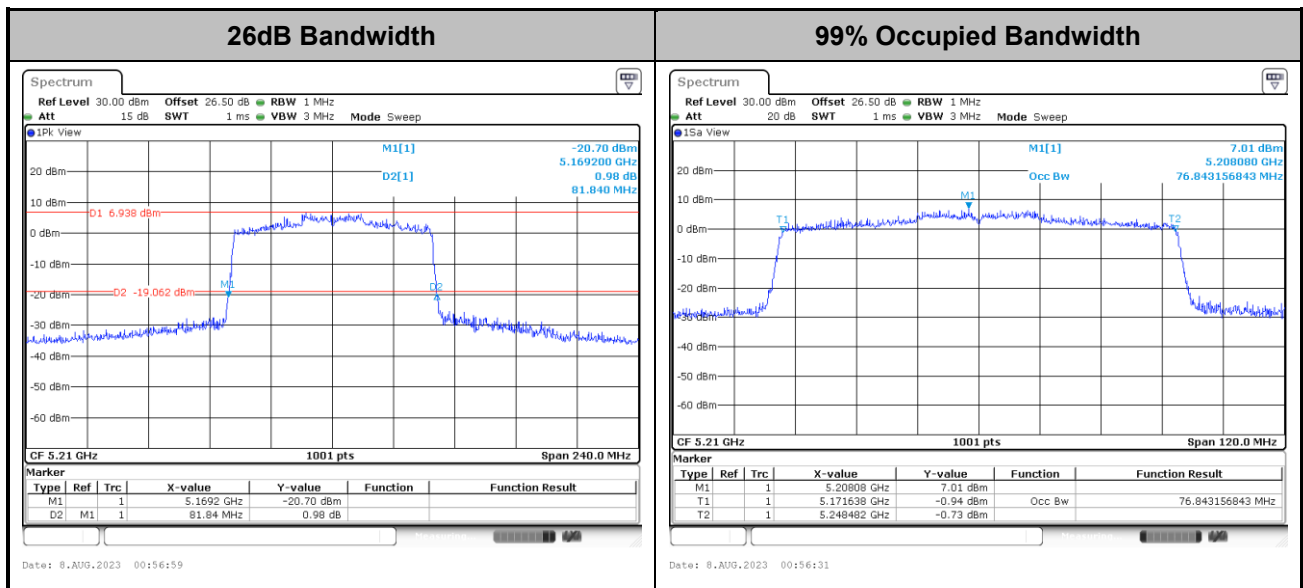


<802.11ax HE40>



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

<802.11ax HE80>



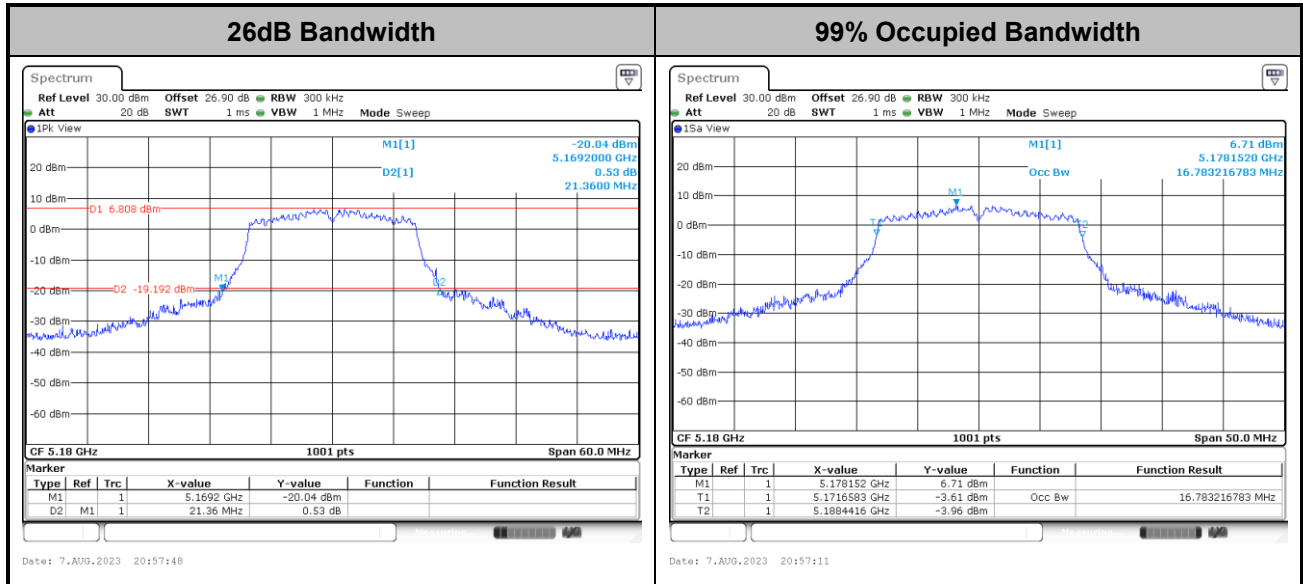
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



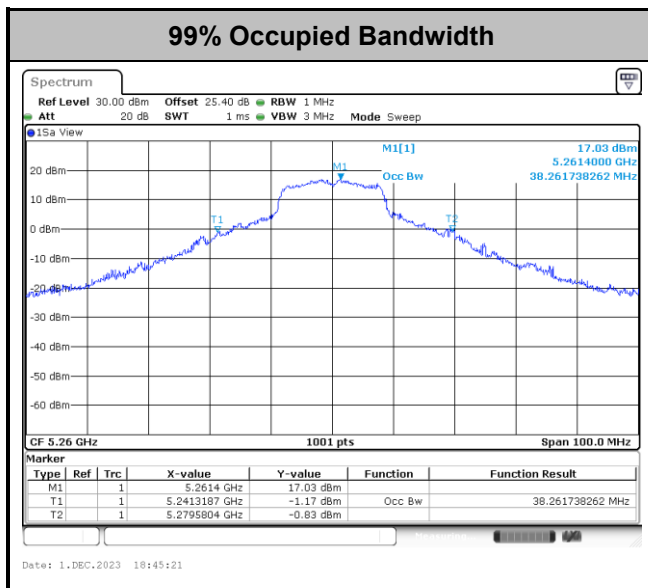
MIMO <Ant. 4+3(3)>

<802.11a>

Channel 36



Channel 52

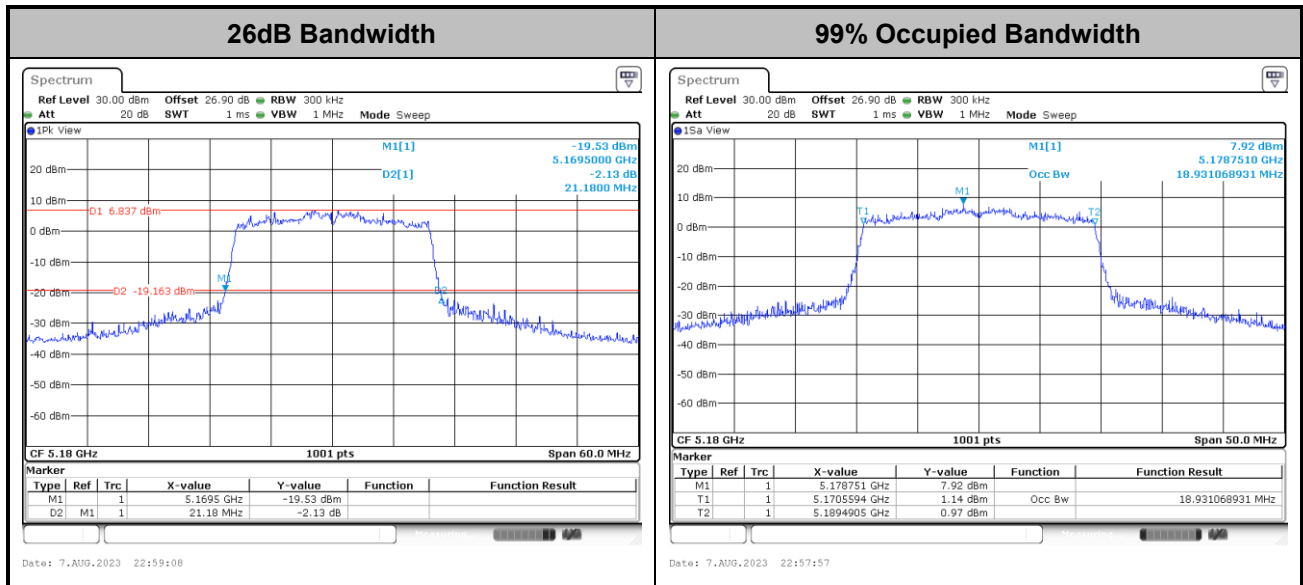


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

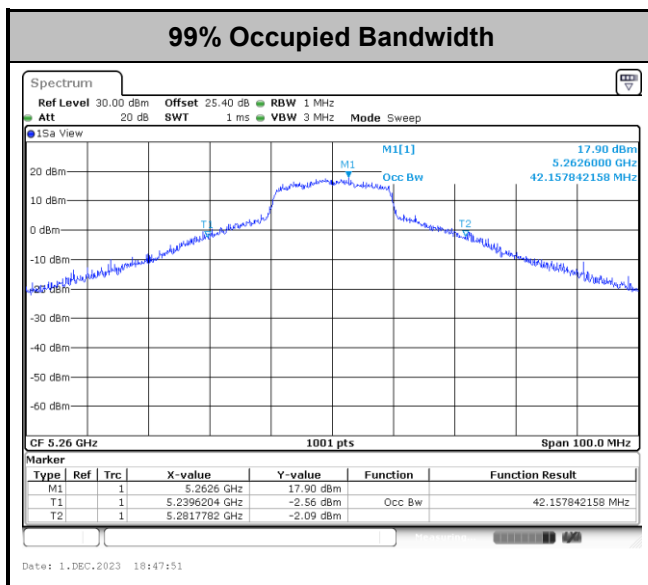


<802.11ax HE20>

Channel 36



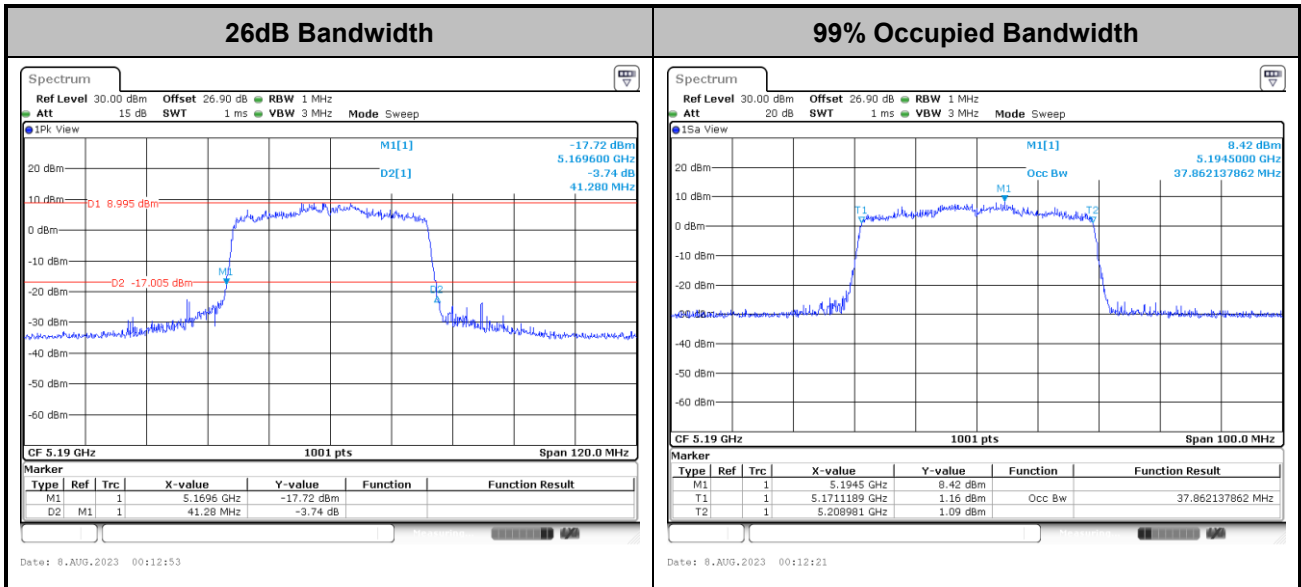
Channel 52



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

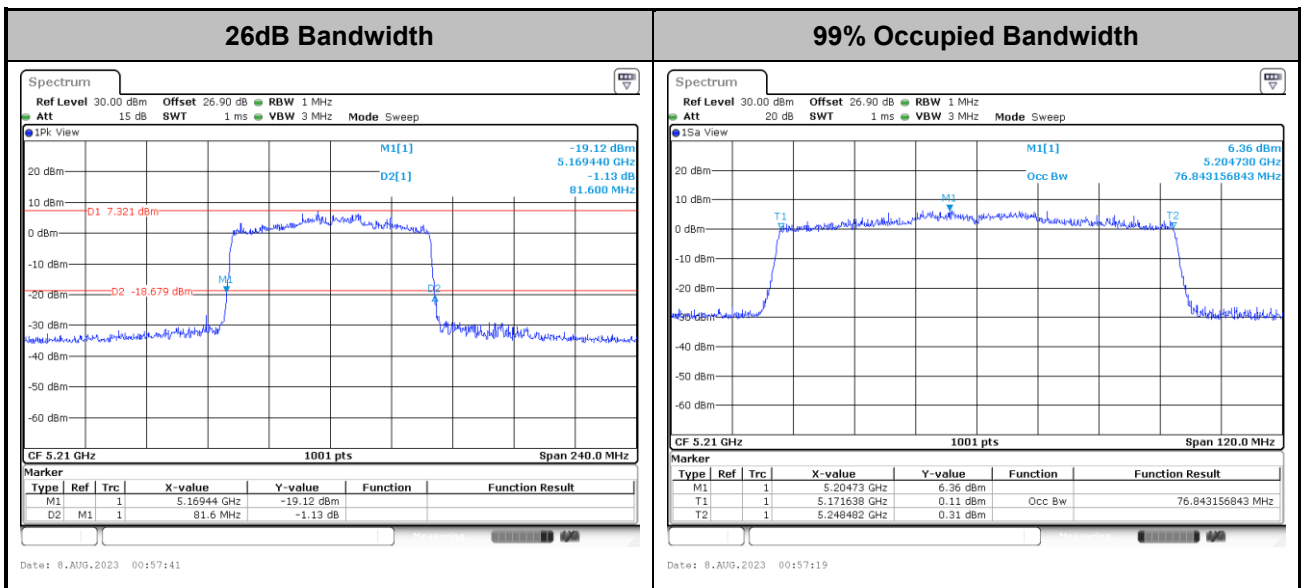


<802.11ax HE40>



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

<802.11ax HE80>



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

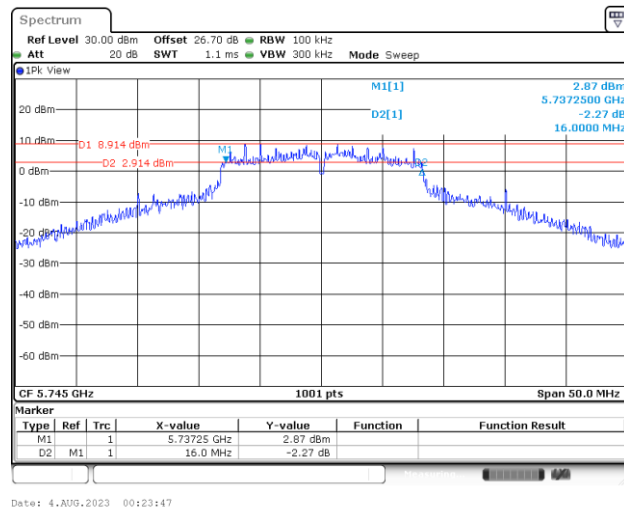


<For Band 4>

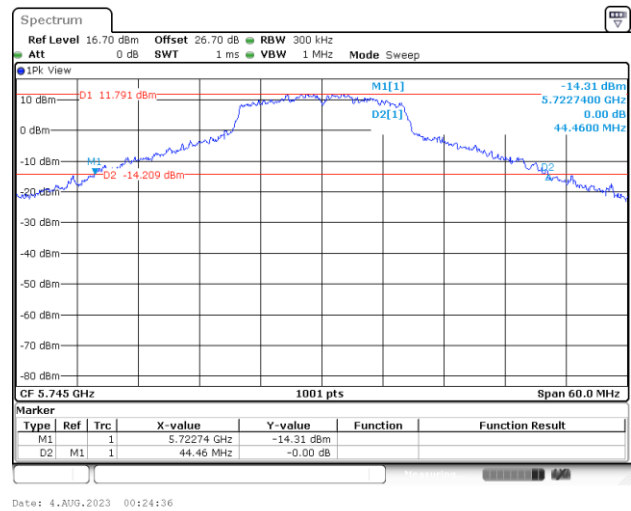
MIMO <Ant. 1+2>

<802.11a>

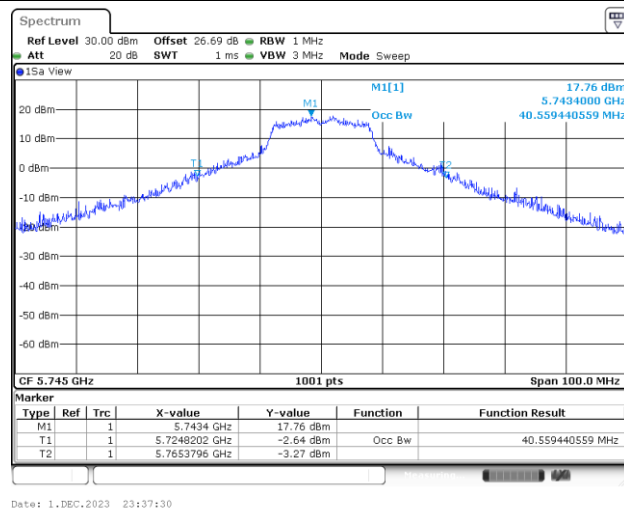
6dB Bandwidth



26dB Bandwidth



99% Occupied Bandwidth

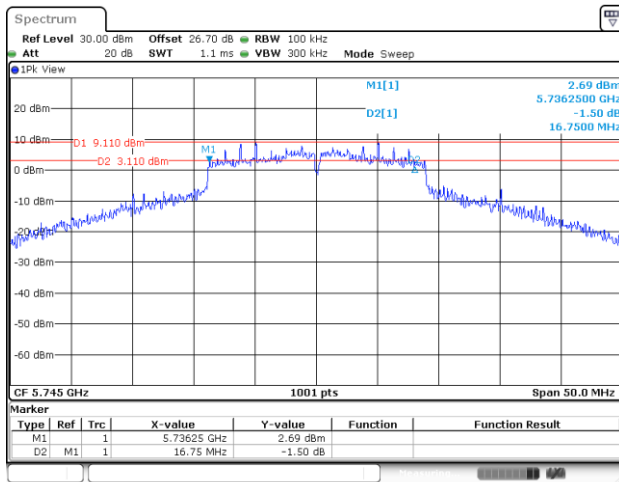


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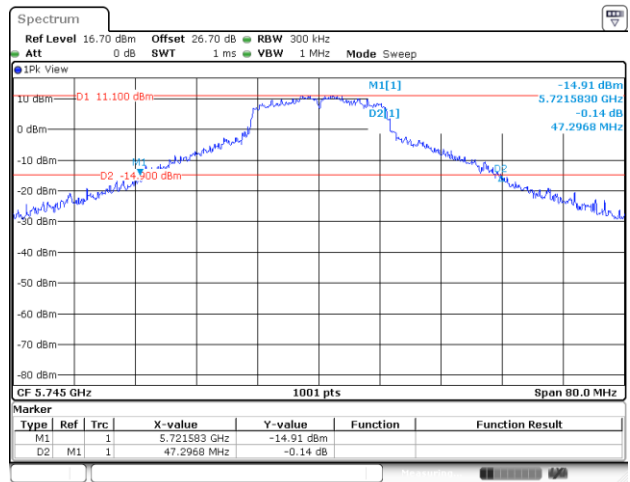


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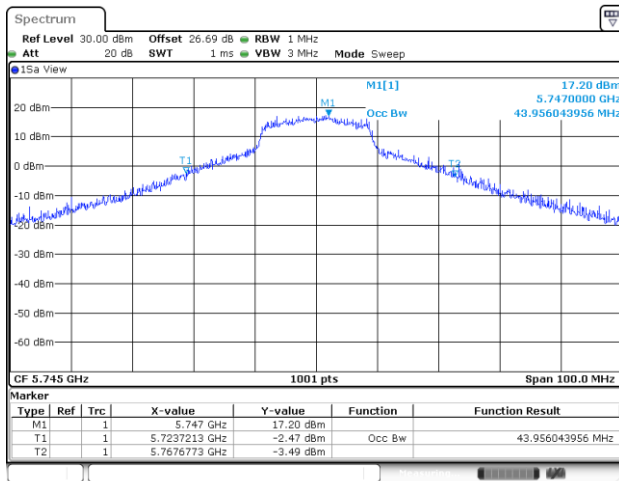
6dB Bandwidth



26dB Bandwidth



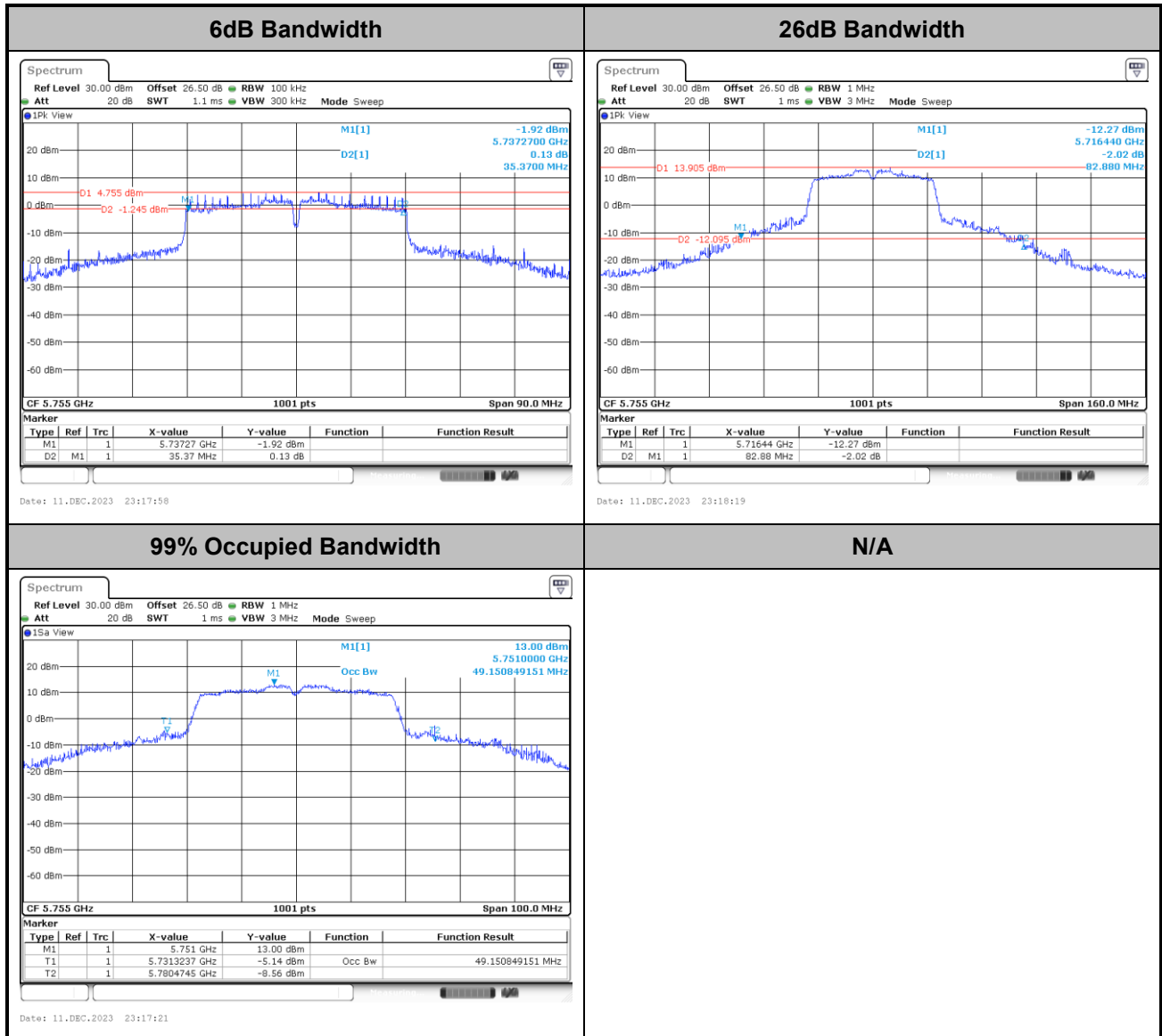
99% Occupied Bandwidth



N/A

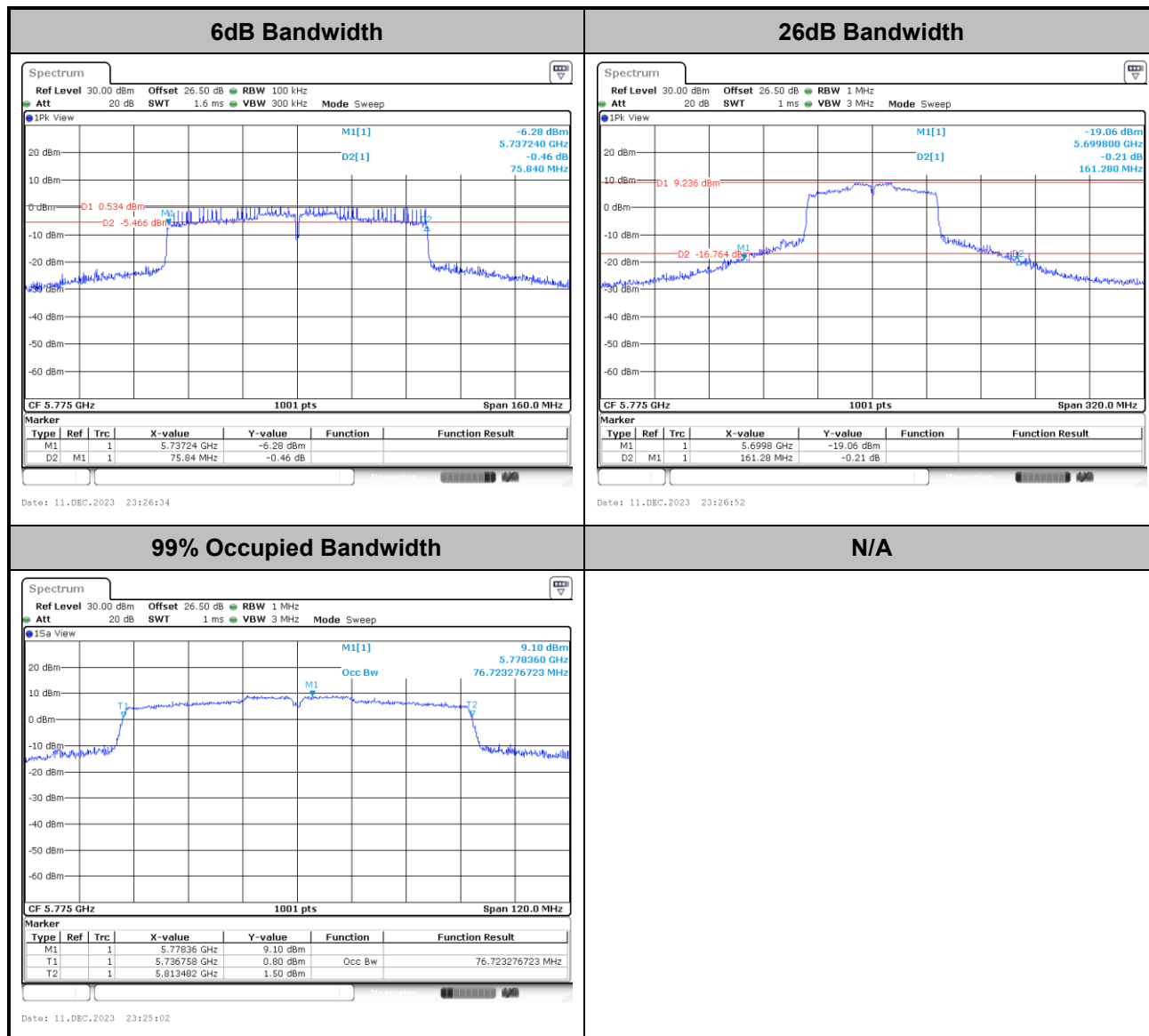


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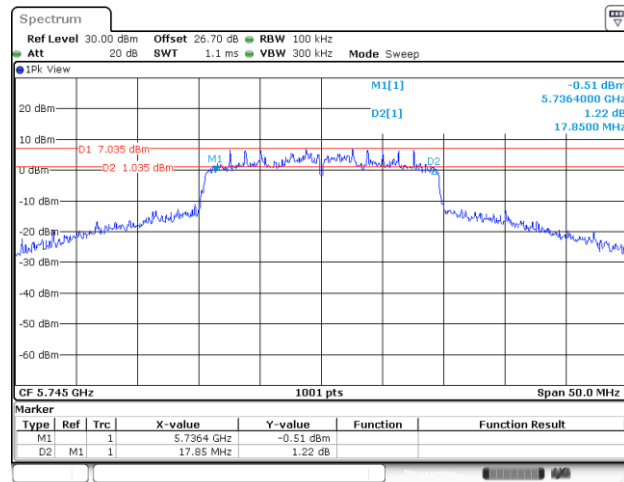
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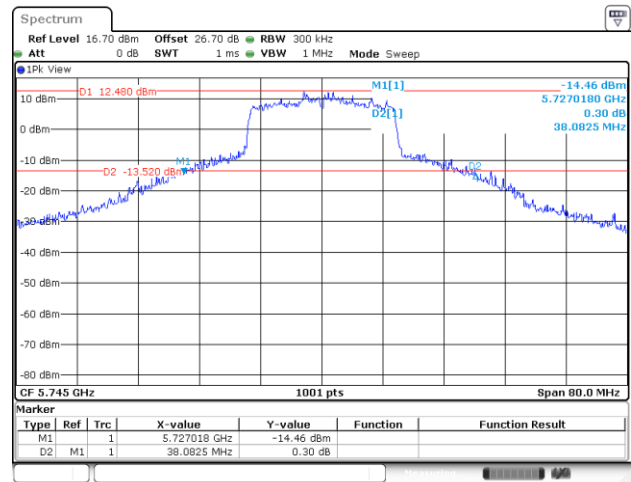


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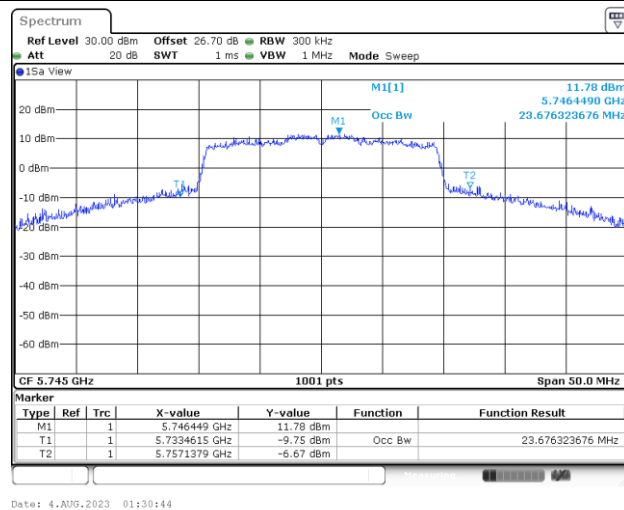
6dB Bandwidth



26dB Bandwidth



99% Occupied Bandwidth

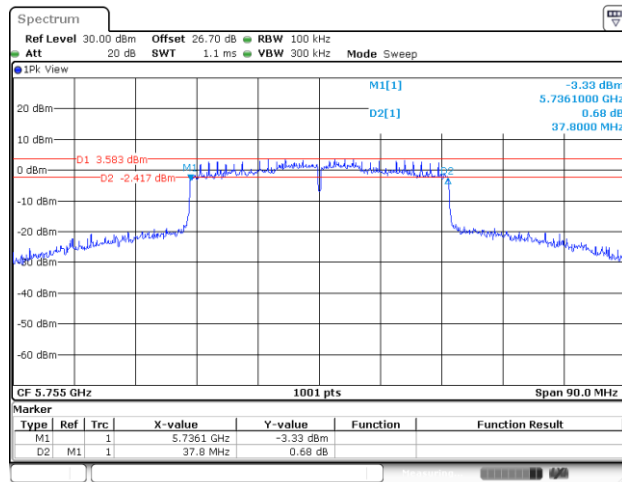


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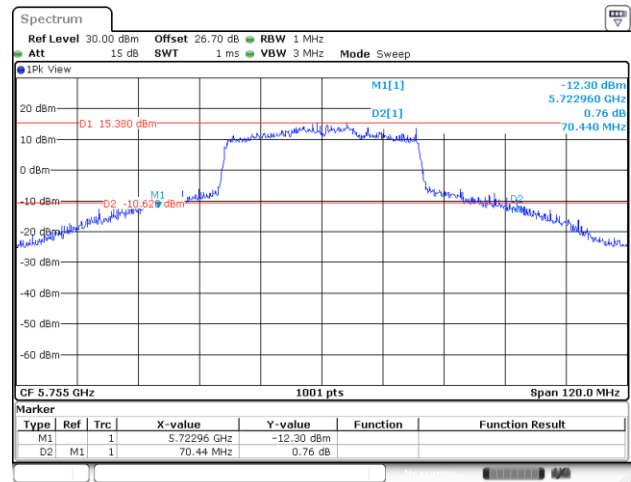


<802.11ax HE40>

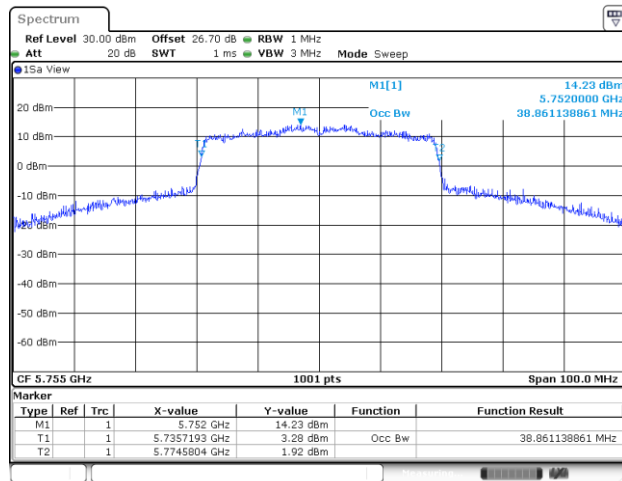
6dB Bandwidth



26dB Bandwidth



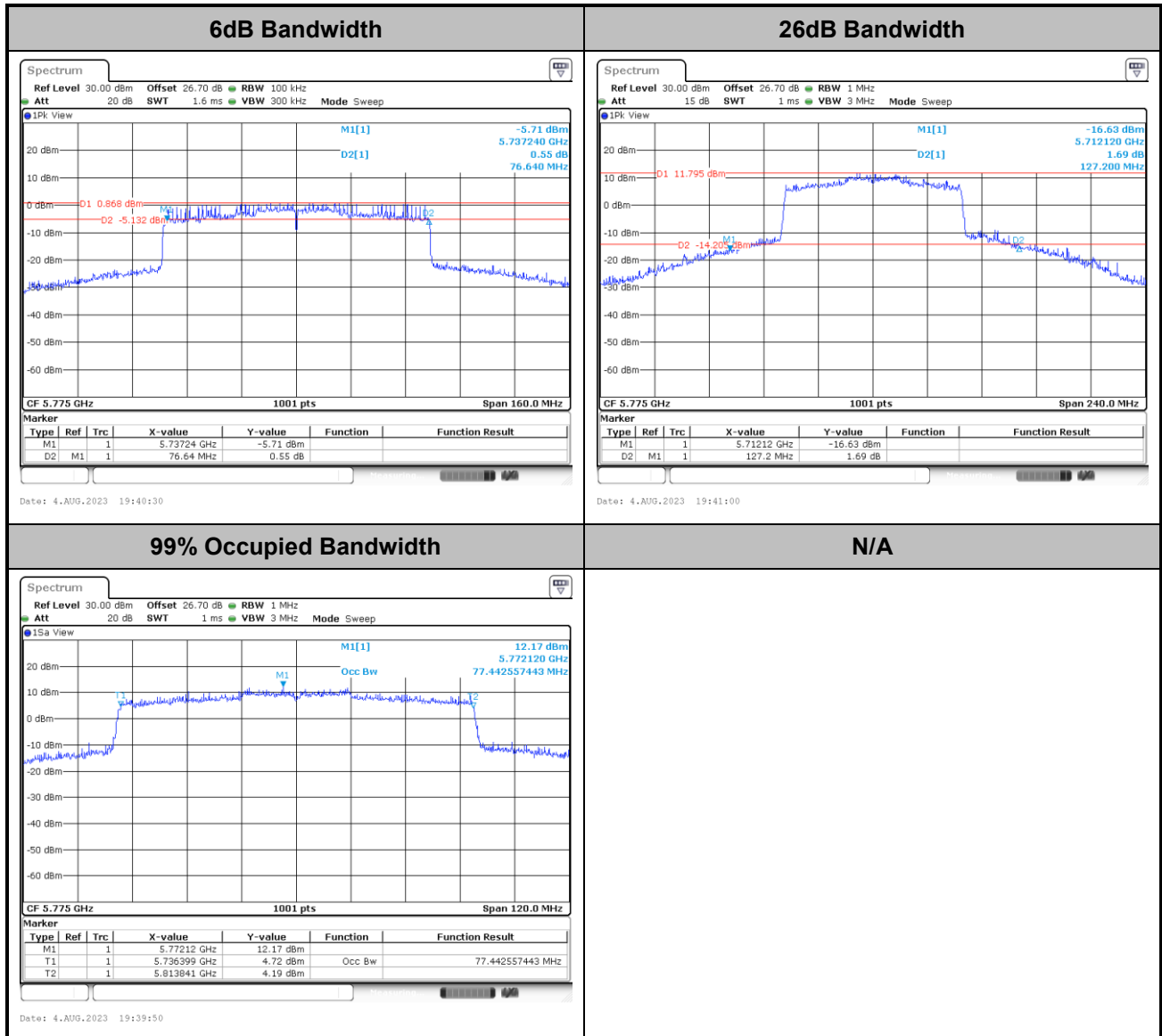
99% Occupied Bandwidth



N/A



<802.11ax HE80>

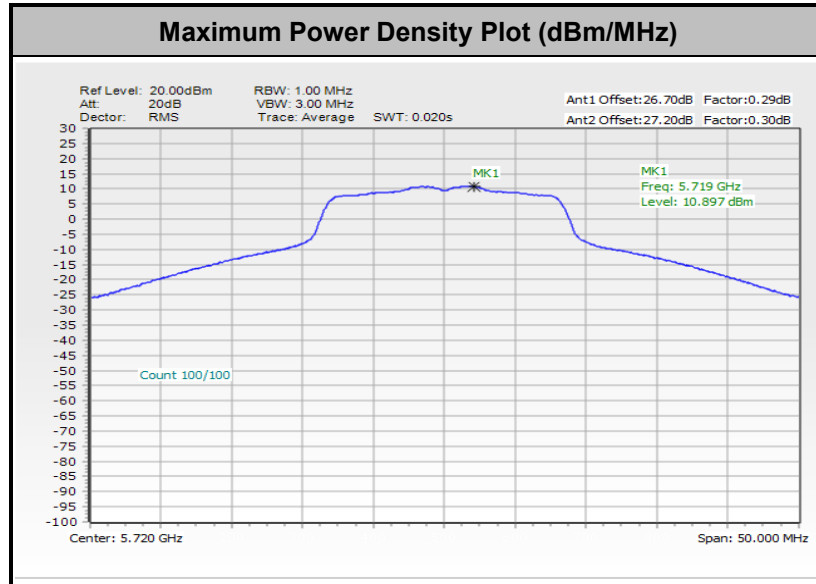




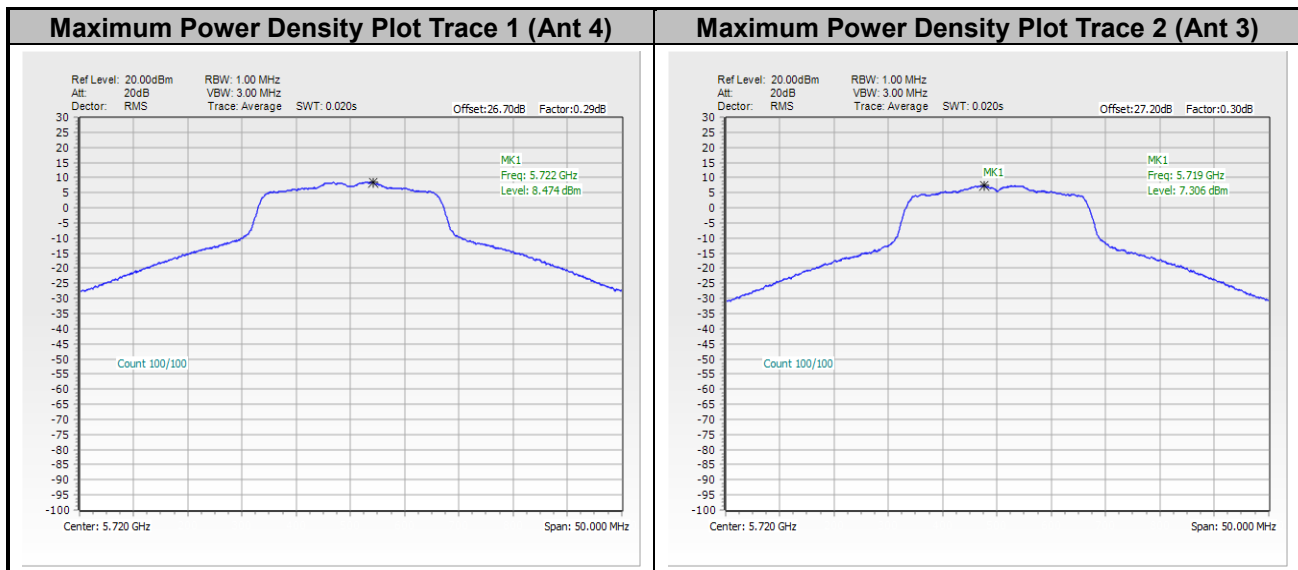
Test Result of Power Spectral Density

<For Band 1~3>

<802.11a>

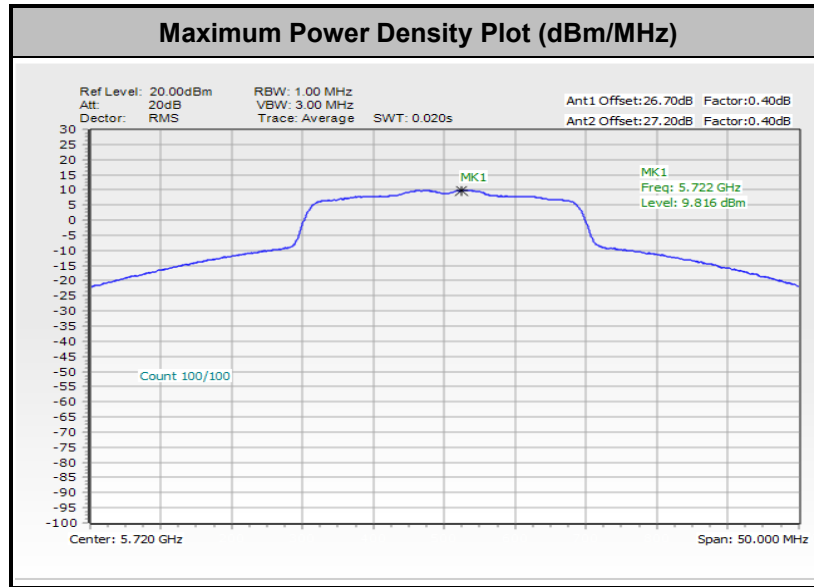


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

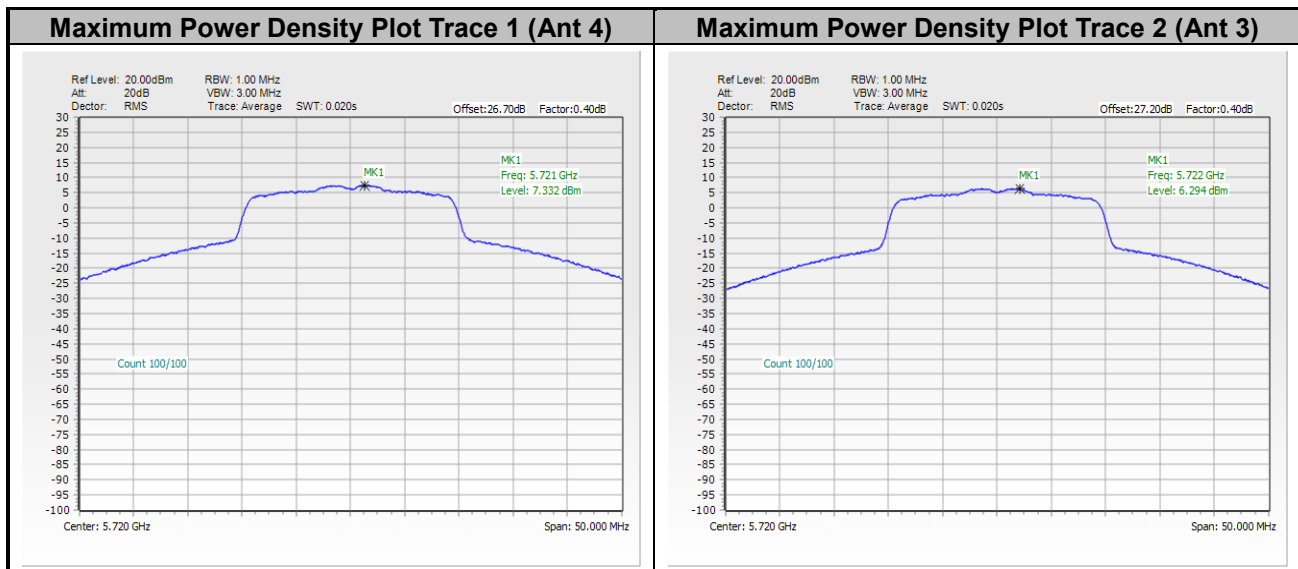




<802.11ax HE20>

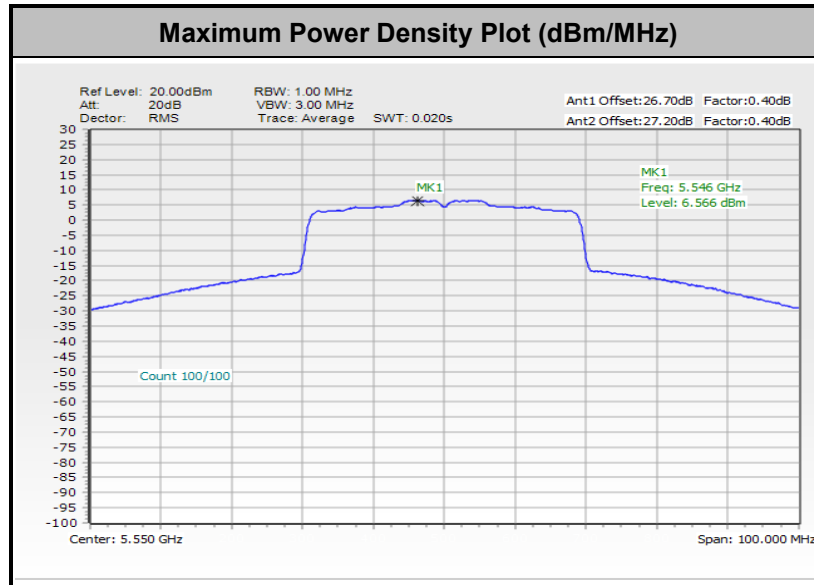


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

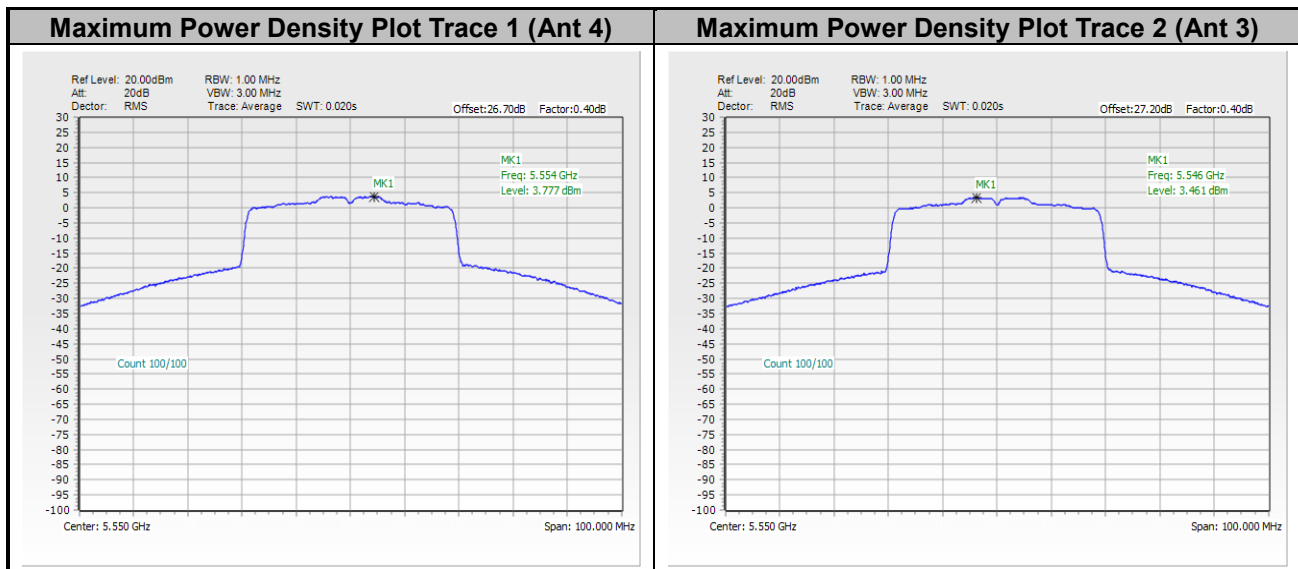




<802.11ax HE40>

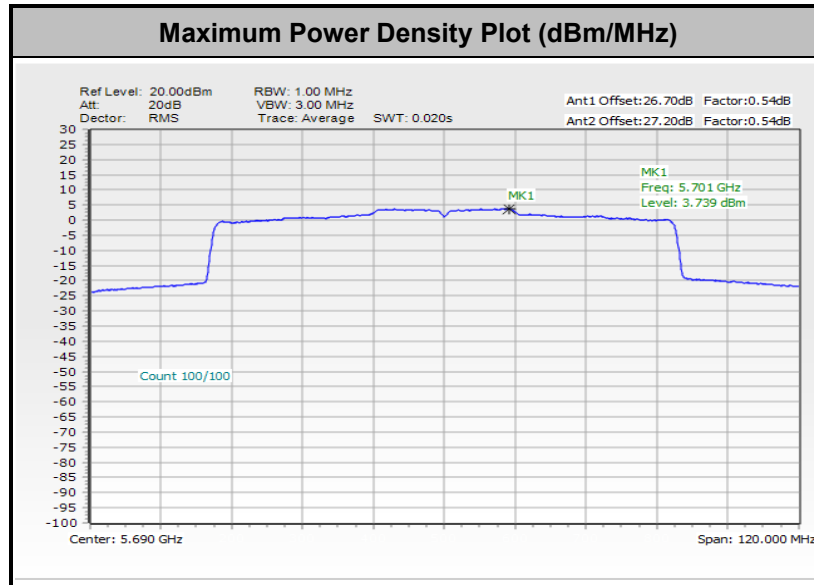


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

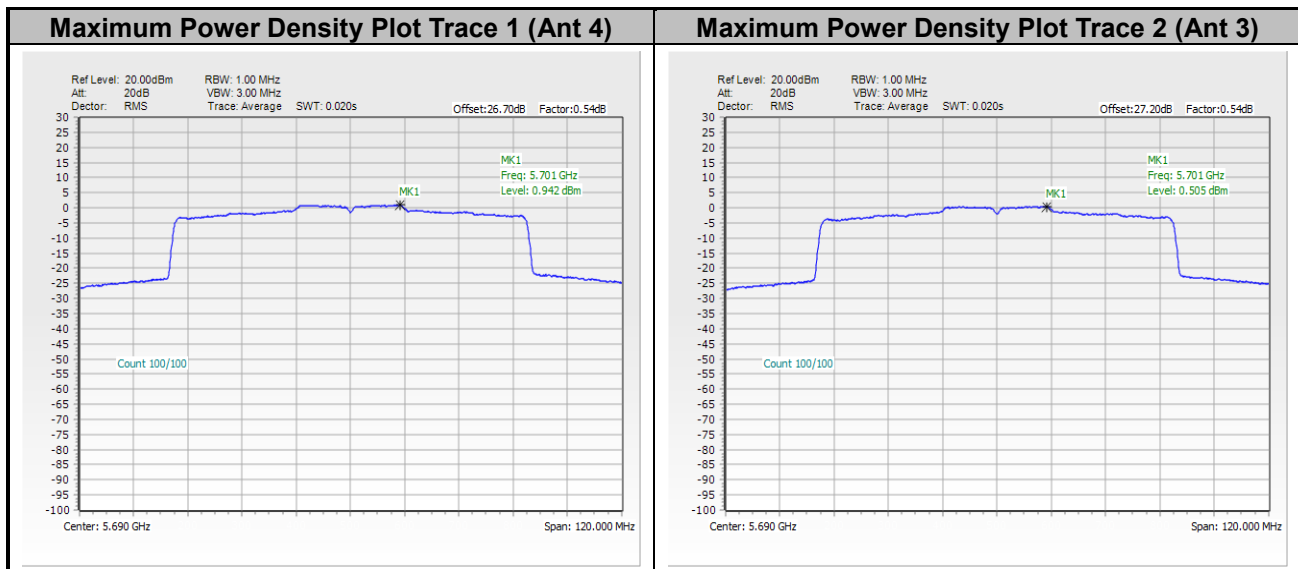




<802.11ax HE80>



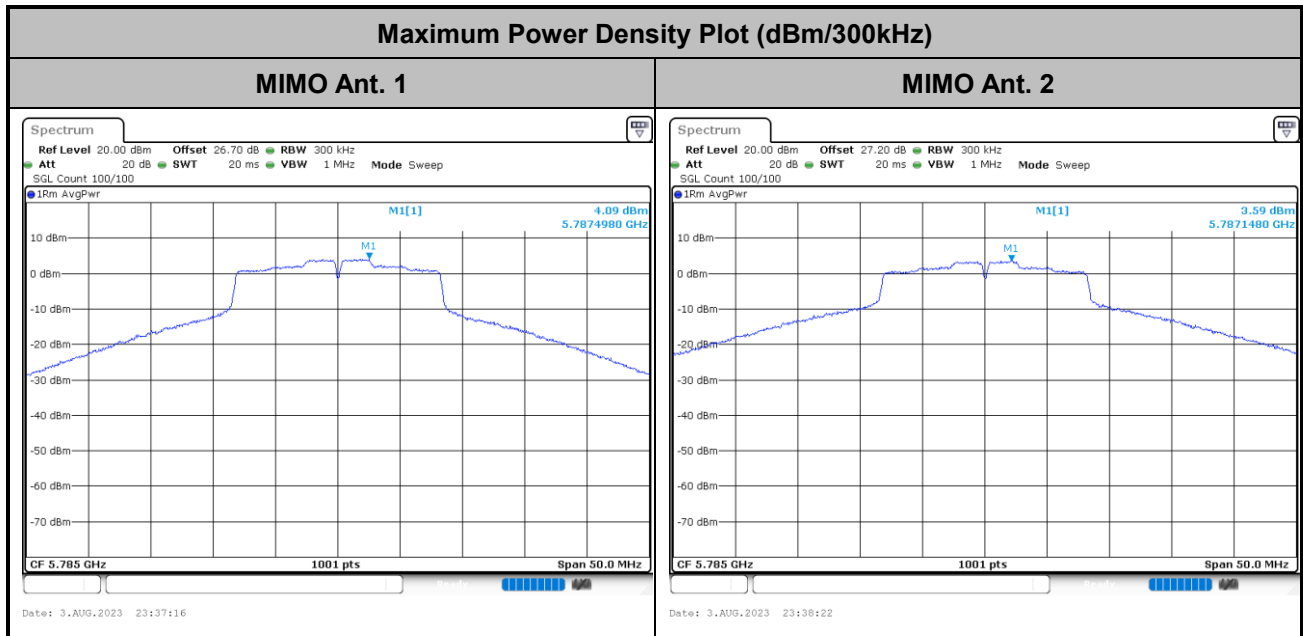
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



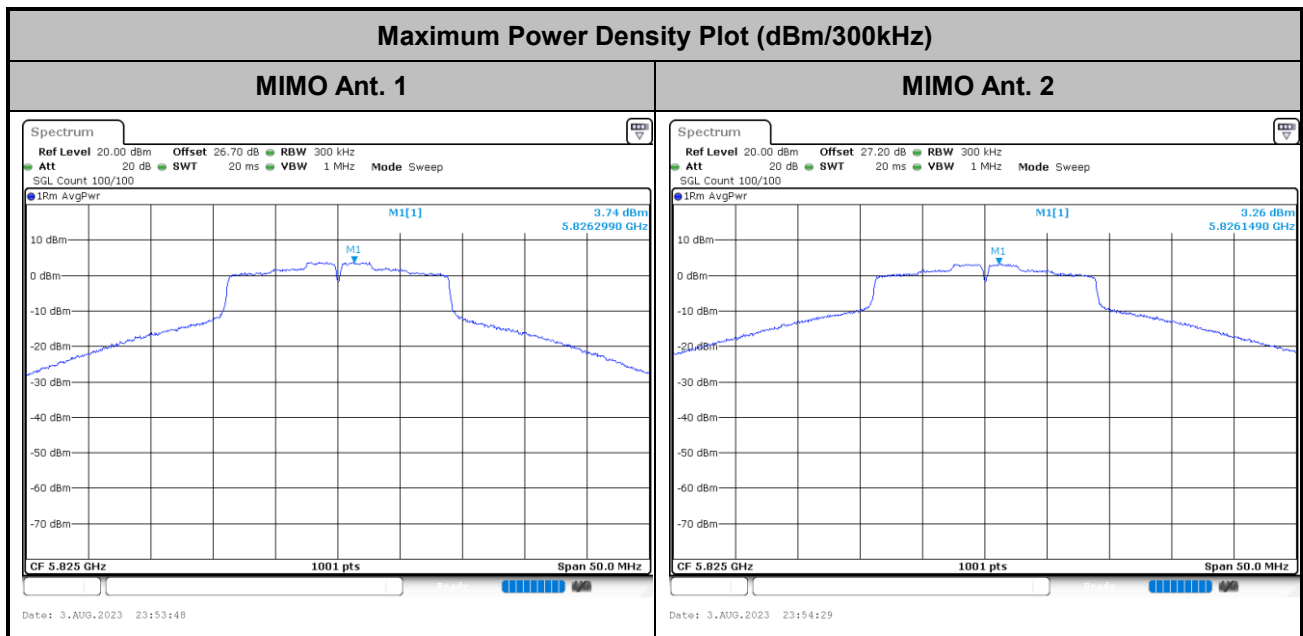


<For Band 4>

<802.11a>

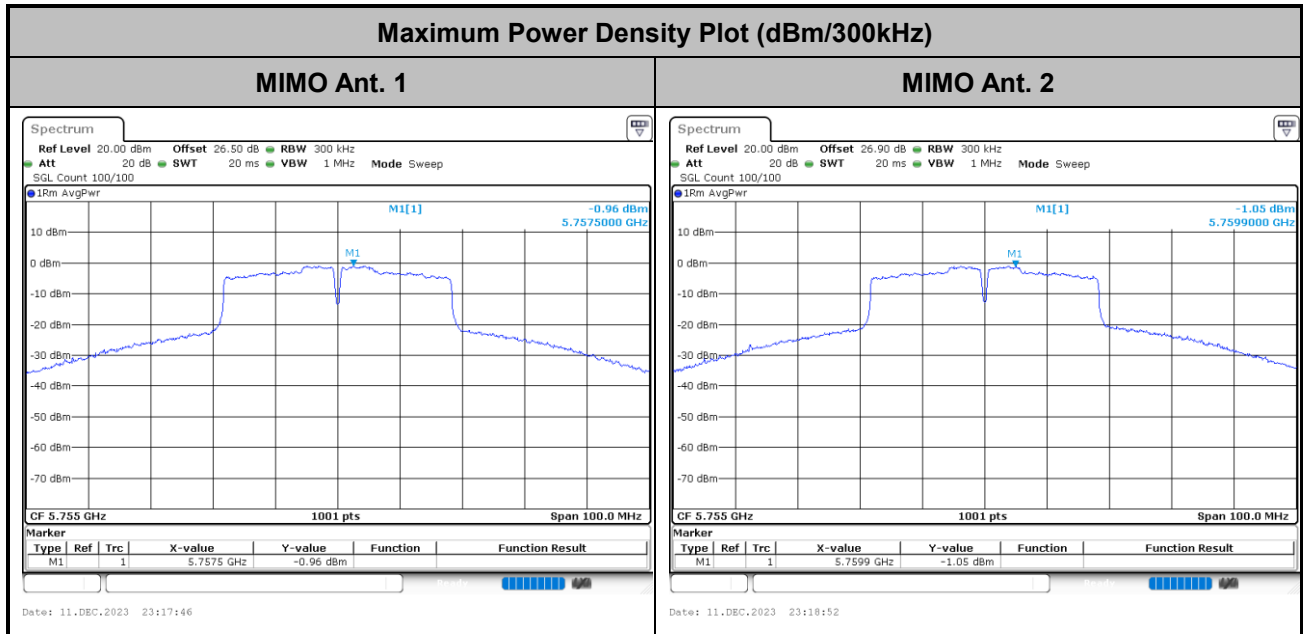


<802.11an HT20>

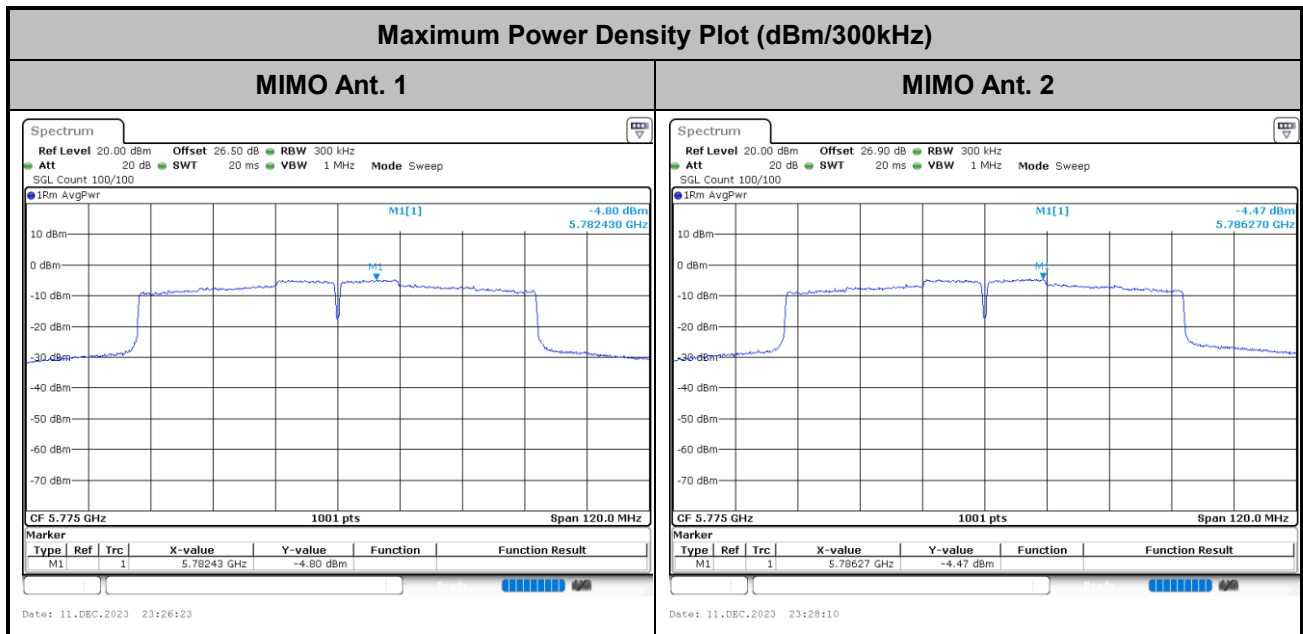




<802.11an HT40>

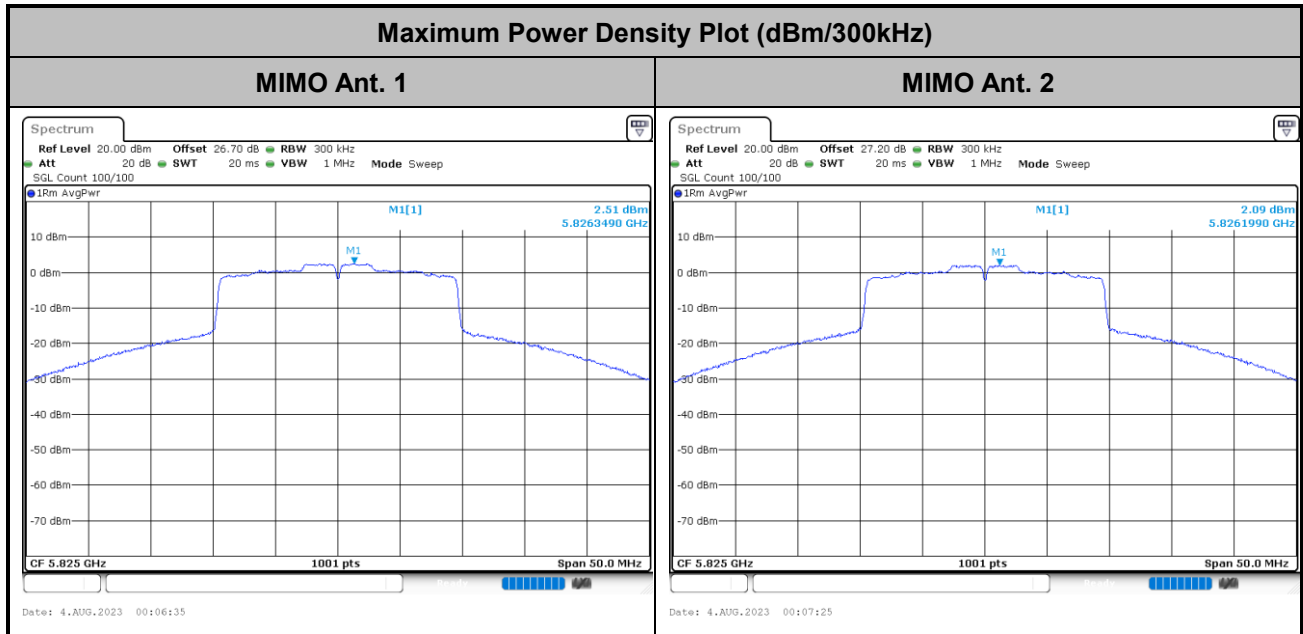


<802.11ac VHT80>

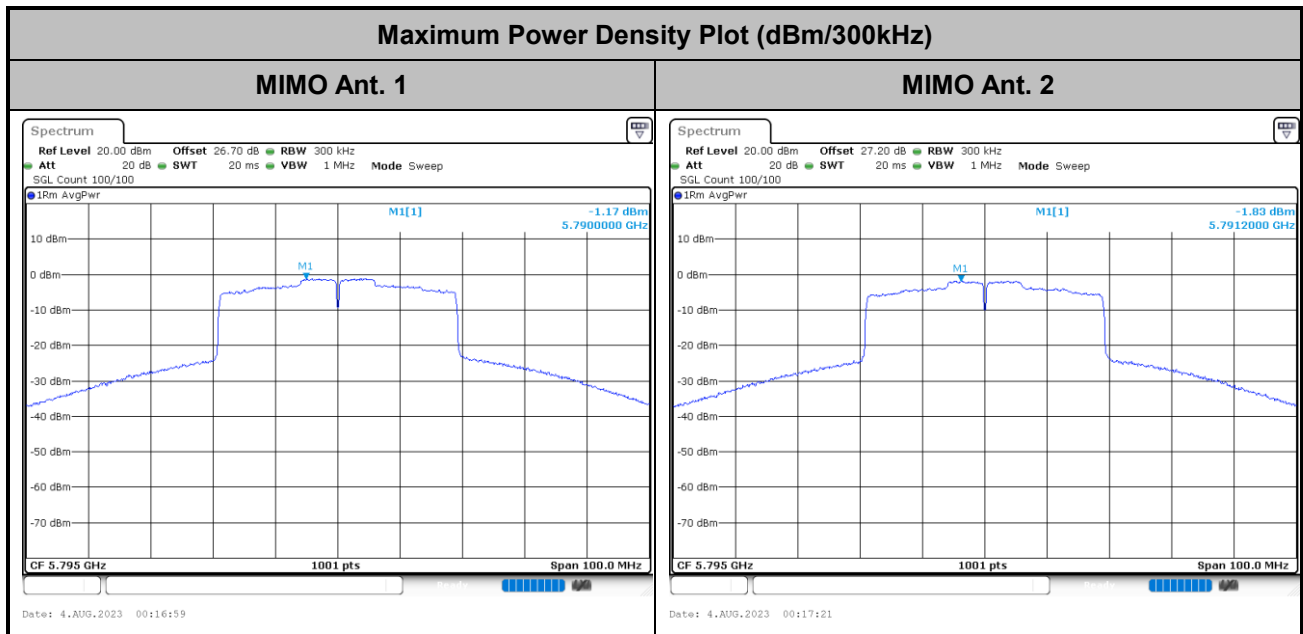




<802.11ax HE20>

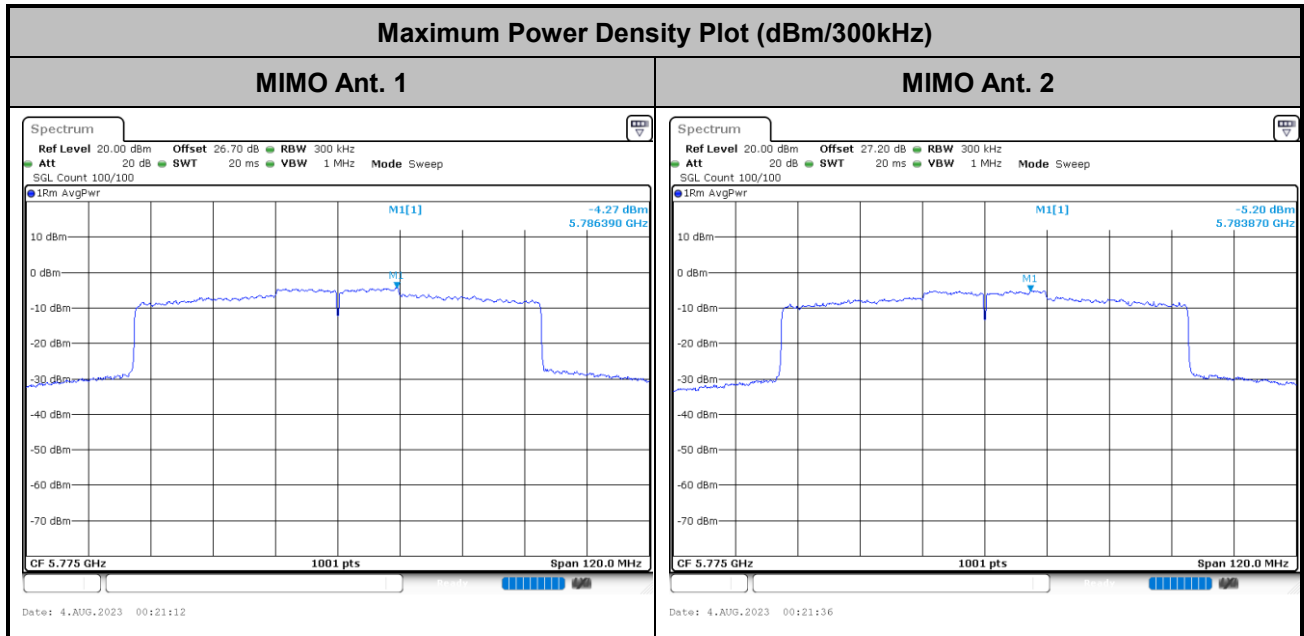


<802.11ax HE40>





<802.11ax HE80>





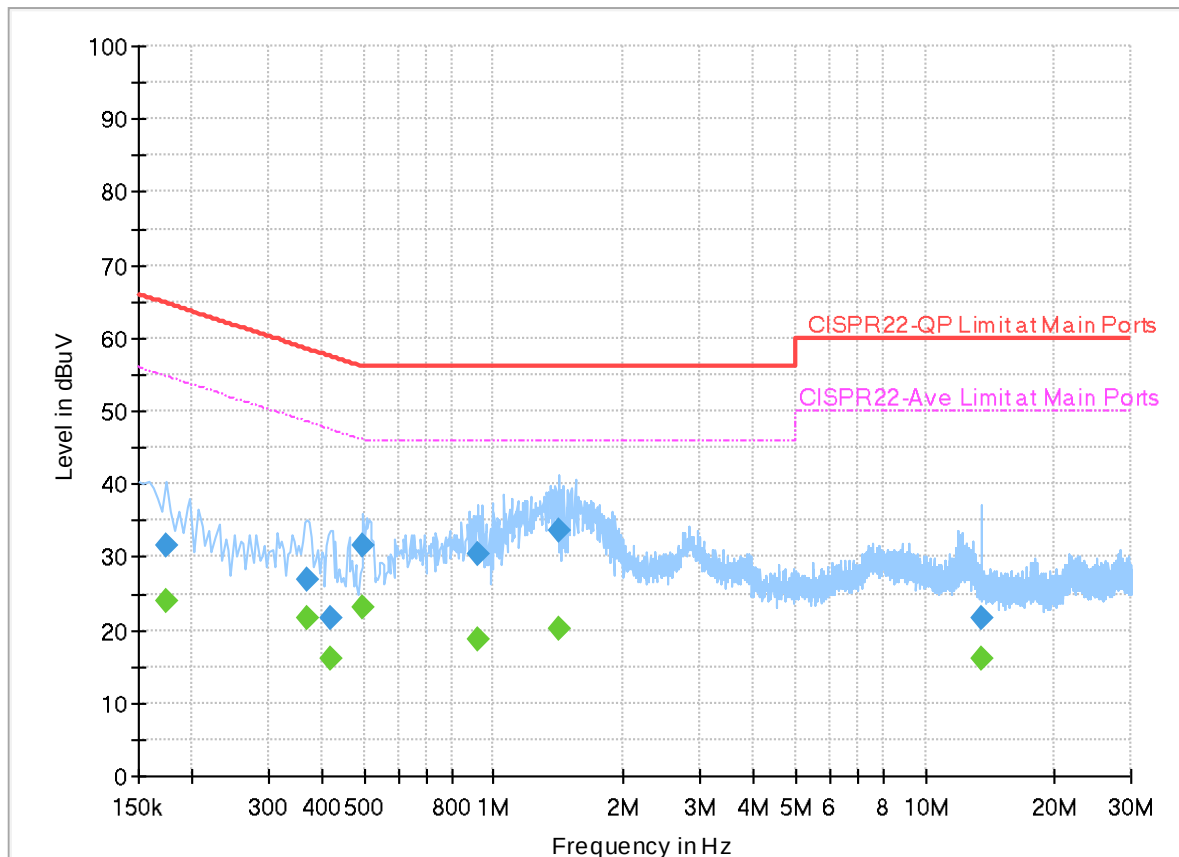
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	23.4~26.7°C
		Relative Humidity :	62.3~67.1%

EUT Information

Report NO : 380307
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



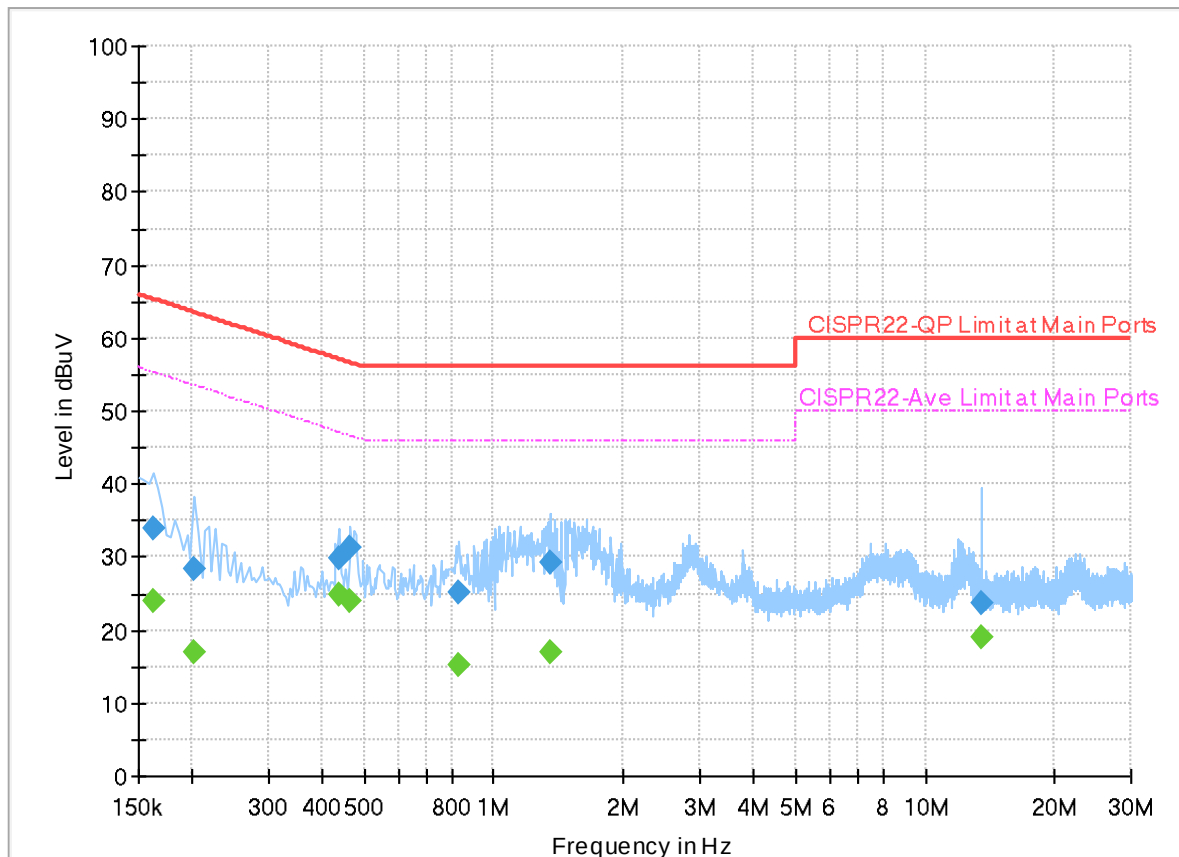
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	---	24.08	54.77	30.69	L1	OFF	19.9
0.174000	31.49	---	64.77	33.28	L1	OFF	19.9
0.370000	---	21.61	48.50	26.89	L1	OFF	19.9
0.370000	26.91	---	58.50	31.59	L1	OFF	19.9
0.418000	---	16.05	47.49	31.44	L1	OFF	20.0
0.418000	21.55	---	57.49	35.94	L1	OFF	20.0
0.498000	---	23.13	46.03	22.90	L1	OFF	20.0
0.498000	31.44	---	56.03	24.59	L1	OFF	20.0
0.918000	---	18.77	46.00	27.23	L1	OFF	20.0
0.918000	30.51	---	56.00	25.49	L1	OFF	20.0
1.414000	---	20.20	46.00	25.80	L1	OFF	20.0
1.414000	33.57	---	56.00	22.43	L1	OFF	20.0
13.566000	---	16.13	50.00	33.87	L1	OFF	20.1
13.566000	21.56	---	60.00	38.44	L1	OFF	20.1

EUT Information

Report NO : 380307
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.162000	---	24.05	55.36	31.31	N	OFF	19.9
0.162000	33.80	---	65.36	31.56	N	OFF	19.9
0.202000	---	16.83	53.53	36.70	N	OFF	19.9
0.202000	28.29	---	63.53	35.24	N	OFF	19.9
0.438000	---	24.93	47.10	22.17	N	OFF	20.0
0.438000	29.96	---	57.10	27.14	N	OFF	20.0
0.466000	---	23.95	46.59	22.64	N	OFF	20.0
0.466000	31.40	---	56.59	25.19	N	OFF	20.0
0.830000	---	15.25	46.00	30.75	N	OFF	20.0
0.830000	25.26	---	56.00	30.74	N	OFF	20.0
1.350000	---	16.93	46.00	29.07	N	OFF	20.0
1.350000	29.20	---	56.00	26.80	N	OFF	20.0
13.562000	---	18.96	50.00	31.04	N	OFF	20.1
13.562000	23.59	---	60.00	36.41	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21.0~26°C
		Relative Humidity :	45~60%



Band 1 - 5150~5250MHz

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.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	60.58	-13.42	74	55.93	32.95	8.32	36.62	243	236	P	H
		5149.8	51.12	-2.88	54	46.47	32.95	8.32	36.62	243	236	A	H
	*	5180	104.02	-	-	99.37	32.92	8.35	36.62	119	234	P	H
	*	5180	97.43	-	-	92.78	32.92	8.35	36.62	119	234	A	H
													H
													H
		5149.6	58.08	-15.92	74	53.43	32.95	8.32	36.62	100	280	P	V
		5150	52.3	-1.7	54	47.65	32.95	8.32	36.62	100	280	A	V
	*	5180	104.84	-	-	100.19	32.92	8.35	36.62	100	280	P	V
	*	5180	98.32	-	-	93.67	32.92	8.35	36.62	100	280	A	V
													V
													V
802.11a CH 40 5200MHz		5148.94	60.32	-13.68	74	55.67	32.95	8.32	36.62	100	242	P	H
		5149.6	50.79	-3.21	54	46.14	32.95	8.32	36.62	100	242	A	H
	*	5200	106.1	-	-	101.45	32.9	8.37	36.62	100	242	P	H
	*	5200	99.77	-	-	95.12	32.9	8.37	36.62	100	242	A	H
													H
													H
		5142.56	60.54	-13.46	74	55.88	32.96	8.32	36.62	100	271	P	V
		5147.84	51.18	-2.82	54	46.53	32.95	8.32	36.62	100	271	A	V
	*	5200	108.63	-	-	103.98	32.9	8.37	36.62	100	271	P	V
	*	5200	101.57	-	-	96.92	32.9	8.37	36.62	100	271	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



802.11a CH 44 5220MHz		5145.82	58.01	-15.99	74	53.36	32.95	8.32	36.62	100	237	P	H
		5148.81	50.98	-3.02	54	46.33	32.95	8.32	36.62	100	237	A	H
	*	5220	110.18	-	-	105.53	32.88	8.38	36.61	100	237	P	H
	*	5220	102.93	-	-	98.28	32.88	8.38	36.61	100	237	A	H
		5367.44	46.77	-27.23	74	42.13	32.8	8.44	36.6	100	237	P	H
		5353.4	39.12	-14.88	54	34.49	32.8	8.43	36.6	100	237	A	H
		5141.68	55.3	-18.7	74	50.65	32.96	8.31	36.62	298	246	P	V
		5147.2	48.57	-5.43	54	43.92	32.95	8.32	36.62	298	246	A	V
	*	5220	105.33	-	-	100.68	32.88	8.38	36.61	298	246	P	V
	*	5220	100.38	-	-	95.73	32.88	8.38	36.61	298	246	A	V
		5451.94	45.31	-28.69	74	40.59	32.8	8.51	36.59	298	246	P	V
		5350.54	38.28	-15.72	54	33.65	32.8	8.43	36.6	298	246	A	V
802.11a CH 48 5240MHz		5148.75	56.02	-17.98	74	51.37	32.95	8.32	36.62	100	234	P	H
		5148.5	45.49	-8.51	54	40.84	32.95	8.32	36.62	100	234	A	H
	*	5240	109.33	-	-	104.69	32.86	8.39	36.61	100	234	P	H
	*	5240	102.97	-	-	98.33	32.86	8.39	36.61	100	234	A	H
		5355.12	49.21	-24.79	74	44.58	32.8	8.43	36.6	100	234	P	H
		5351.28	42.54	-11.46	54	37.91	32.8	8.43	36.6	100	234	A	H
		5144.5	52.04	-21.96	74	47.38	32.96	8.32	36.62	288	243	P	V
		5150	44.33	-9.67	54	39.68	32.95	8.32	36.62	288	243	A	V
	*	5240	105.05	-	-	100.41	32.86	8.39	36.61	288	243	P	V
	*	5240	99.79	-	-	95.15	32.86	8.39	36.61	288	243	A	V
		5350.56	48.08	-25.92	74	43.45	32.8	8.43	36.6	288	243	P	V
		5350.32	40.95	-13.05	54	36.32	32.8	8.43	36.6	288	243	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.49	-21.71	68.2	53.33	38.54	12.48	57.86	-	-	P	H
		15540	49.75	-24.25	74	52.97	38.28	15.82	57.32	-	-	P	H
		15540	40.63	-13.37	54	43.85	38.28	15.82	57.32	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	46.92	-21.28	68.2	53.76	38.54	12.48	57.86	-	-	P	V
		15540	49.54	-24.46	74	52.76	38.28	15.82	57.32	-	-	P	V
		15540	40.49	-13.51	54	43.71	38.28	15.82	57.32	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		10440	46.64	-21.56	68.2	53.35	38.58	12.53	57.82	-	-	P	H
		15660	47.73	-26.27	74	51.1	38.08	15.91	57.36	-	-	P	H
		15660	39.01	-14.99	54	42.38	38.08	15.91	57.36	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	47.71	-20.49	68.2	54.42	38.58	12.53	57.82	-	-	P	V
		15660	48.78	-25.22	74	52.15	38.08	15.91	57.36	-	-	P	V
		15660	40.29	-13.71	54	43.66	38.08	15.91	57.36	-	-	A	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5146.8	58.11	-15.89	74	53.46	32.95	8.32	36.62	100	234	P	H
		5149.4	48.84	-5.16	54	44.19	32.95	8.32	36.62	100	234	A	H
	*	5180	106.07	-	-	101.42	32.92	8.35	36.62	100	234	P	H
	*	5180	98.81	-	-	94.16	32.92	8.35	36.62	100	234	A	H
													H
													H
		5148	54.41	-19.59	74	49.76	32.95	8.32	36.62	400	292	P	V
		5150	44.89	-9.11	54	40.24	32.95	8.32	36.62	400	292	A	V
	*	5180	102.61	-	-	97.96	32.92	8.35	36.62	400	292	P	V
	*	5180	94.62	-	-	89.97	32.92	8.35	36.62	400	292	A	V
													V
													V
802.11ax HE20 Full CH 40 5200MHz		5148.06	56.78	-17.22	74	52.13	32.95	8.32	36.62	100	238	P	H
		5150	48.8	-5.2	54	44.15	32.95	8.32	36.62	100	238	A	H
	*	5200	104.51	-	-	99.86	32.9	8.37	36.62	100	238	P	H
	*	5200	98.45	-	-	93.8	32.9	8.37	36.62	100	238	A	H
													H
													H
		5149.82	58.17	-15.83	74	53.52	32.95	8.32	36.62	100	271	P	V
		5150	50.77	-3.23	54	46.12	32.95	8.32	36.62	100	271	A	V
	*	5200	107	-	-	102.35	32.9	8.37	36.62	100	271	P	V
	*	5200	99.72	-	-	95.07	32.9	8.37	36.62	100	271	A	V
													V
													V



802.11ax HE20 Full CH 44 5220MHz		5142.83	57.27	-16.73	74	52.61	32.96	8.32	36.62	104	234	P	H
		5149.96	49.33	-4.67	54	44.68	32.95	8.32	36.62	104	234	A	H
	*	5220	108.47	-	-	103.82	32.88	8.38	36.61	104	234	P	H
	*	5220	102.12	-	-	97.47	32.88	8.38	36.61	104	234	A	H
		5366.92	47.7	-26.3	74	43.06	32.8	8.44	36.6	104	234	P	H
		5350.54	40.39	-13.61	54	35.76	32.8	8.43	36.6	104	234	A	H
		5148.12	55.37	-18.63	74	50.72	32.95	8.32	36.62	341	246	P	V
		5148.58	47.87	-6.13	54	43.22	32.95	8.32	36.62	341	246	A	V
	*	5220	105.61	-	-	100.96	32.88	8.38	36.61	341	246	P	V
	*	5220	98.6	-	-	93.95	32.88	8.38	36.61	341	246	A	V
		5448.04	45.49	-28.51	74	40.78	32.8	8.5	36.59	341	246	P	V
		5351.32	38.65	-15.35	54	34.02	32.8	8.43	36.6	341	246	A	V
802.11ax HE20 Full CH 48 5240MHz		5147.25	55.85	-18.15	74	51.2	32.95	8.32	36.62	102	231	P	H
		5149.5	47.93	-6.07	54	43.28	32.95	8.32	36.62	102	231	A	H
	*	5240	107.81	-	-	103.17	32.86	8.39	36.61	102	231	P	H
	*	5240	100.99	-	-	96.35	32.86	8.39	36.61	102	231	A	H
		5352.24	51.25	-22.75	74	46.62	32.8	8.43	36.6	102	231	P	H
		5350.08	43.63	-10.37	54	39	32.8	8.43	36.6	102	231	A	H
		5148	53.54	-20.46	74	48.89	32.95	8.32	36.62	302	245	P	V
		5150	46.27	-7.73	54	41.62	32.95	8.32	36.62	302	245	A	V
	*	5240	107.05	-	-	102.41	32.86	8.39	36.61	302	245	P	V
	*	5240	99.28	-	-	94.64	32.86	8.39	36.61	302	245	A	V
		5351.04	51.74	-22.26	74	47.11	32.8	8.43	36.6	302	245	P	V
		5350.08	43.62	-10.38	54	38.99	32.8	8.43	36.6	302	245	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)

[illegible]



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 44 5220MHz		10440	47.73	-20.47	68.2	54.44	38.58	12.53	57.82	-	-	P	H
		15660	49.3	-24.7	74	52.67	38.08	15.91	57.36	-	-	P	H
		15660	40.51	-13.49	54	43.88	38.08	15.91	57.36	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	47.11	-21.09	68.2	53.82	38.58	12.53	57.82	-	-	P	V
		15660	48.28	-25.72	74	51.65	38.08	15.91	57.36	-	-	P	V
		15660	39.49	-14.51	54	42.86	38.08	15.91	57.36	-	-	A	V
													V
													V
													V
													V
													V
													V

[illegible]


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

WIFI Ant. 3+4	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		5148	51.12	-22.88	74	46.47	32.95	8.32	36.62	100	235	P	H
		5147.6	37.91	-16.09	54	33.26	32.95	8.32	36.62	100	235	A	H
	*	5180	103.92	-	-	99.27	32.92	8.35	36.62	100	235	P	H
	*	5180	96.73	-	-	92.08	32.92	8.35	36.62	100	235	A	H
													H
													H
		5145.8	50.54	-23.46	74	45.89	32.95	8.32	36.62	332	249	P	V
		5062.2	37.57	-16.43	54	32.88	33.08	8.24	36.63	332	249	A	V
	*	5180	102.17	-	-	97.52	32.92	8.35	36.62	332	249	P	V
	*	5180	94.12	-	-	89.47	32.92	8.35	36.62	332	249	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 36 5180MHz		5150	54.05	-19.95	74	49.4	32.95	8.32	36.62	100	234	P	H
		5150	38.84	-15.16	54	34.19	32.95	8.32	36.62	100	234	A	H
	*	5180	106.44	-	-	101.79	32.92	8.35	36.62	100	234	P	H
	*	5180	97.07	-	-	92.42	32.92	8.35	36.62	100	234	A	H
													H
													H
		5149	55.49	-18.51	74	50.84	32.95	8.32	36.62	333	250	P	V
		5149.2	38.23	-15.77	54	33.58	32.95	8.32	36.62	333	250	A	V
	*	5180	100.59	-	-	95.94	32.92	8.35	36.62	333	250	P	V
	*	5180	94.42	-	-	89.77	32.92	8.35	36.62	333	250	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5149.8	57.5	-16.5	74	52.85	32.95	8.32	36.62	100	236	P	H
		5149.8	41.72	-12.28	54	37.07	32.95	8.32	36.62	100	236	A	H
	*	5180	105.81	-	-	101.16	32.92	8.35	36.62	100	236	P	H
	*	5180	96.82	-	-	92.17	32.92	8.35	36.62	100	236	A	H
													H
													H
		5150	53.91	-20.09	74	49.26	32.95	8.32	36.62	294	243	P	V
		5150	39.1	-14.9	54	34.45	32.95	8.32	36.62	294	243	A	V
	*	5180	101.29	-	-	96.64	32.92	8.35	36.62	294	243	P	V
	*	5180	94.16	-	-	89.51	32.92	8.35	36.62	294	243	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5146.08	56.14	-17.86	74	51.49	32.95	8.32	36.62	308	240	P	H
		5148.06	44.54	-9.46	54	39.89	32.95	8.32	36.62	308	240	A	H
	*	5190	95.95	-	-	91.3	32.91	8.36	36.62	308	240	P	H
	*	5190	89.16	-	-	84.51	32.91	8.36	36.62	308	240	A	H
		5436.6	45.26	-28.74	74	40.56	32.8	8.49	36.59	308	240	P	H
		5443.8	37.81	-16.19	54	33.1	32.8	8.5	36.59	308	240	A	H
		5149.38	57.35	-16.65	74	52.7	32.95	8.32	36.62	100	274	P	V
		5149.82	46.86	-7.14	54	42.21	32.95	8.32	36.62	100	274	A	V
	*	5190	98.33	-	-	93.68	32.91	8.36	36.62	100	274	P	V
	*	5190	91.44	-	-	86.79	32.91	8.36	36.62	100	274	A	V
		5441.4	45.65	-28.35	74	40.94	32.8	8.5	36.59	100	274	P	V
		5450.7	37.97	-16.03	54	33.25	32.8	8.51	36.59	100	274	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	56.35	-17.65	74	51.7	32.95	8.32	36.62	100	232	P	H
		5148.72	48.67	-5.33	54	44.02	32.95	8.32	36.62	100	232	A	H
	*	5230	100.7	-	-	96.06	32.87	8.38	36.61	100	232	P	H
	*	5230	93.69	-	-	89.05	32.87	8.38	36.61	100	232	A	H
		5353.92	48.25	-25.75	74	43.62	32.8	8.43	36.6	100	232	P	H
		5350.8	41.49	-12.51	54	36.86	32.8	8.43	36.6	100	232	A	H
		5147.16	57.07	-16.93	74	52.42	32.95	8.32	36.62	100	276	P	V
		5150	50.55	-3.45	54	45.9	32.95	8.32	36.62	100	276	A	V
	*	5230	102.25	-	-	97.61	32.87	8.38	36.61	100	276	P	V
	*	5230	95.31	-	-	90.67	32.87	8.38	36.61	100	276	A	V
		5352.62	50.27	-23.73	74	45.64	32.8	8.43	36.6	100	276	P	V
		5350.28	42.37	-11.63	54	37.74	32.8	8.43	36.6	100	276	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)

[illegible]

[illegible]


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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5147.16	58.01	-15.99	74	53.36	32.95	8.32	36.62	100	240	P	H
		5148.98	50.08	-3.92	54	45.43	32.95	8.32	36.62	100	240	A	H
	*	5210	95.39	-	-	90.74	32.89	8.37	36.61	100	240	P	H
	*	5210	87.58	-	-	82.93	32.89	8.37	36.61	100	240	A	H
		5452.2	53.72	-20.28	74	49	32.8	8.51	36.59	100	240	P	H
		5363.4	42.52	-11.48	54	37.88	32.8	8.44	36.6	100	240	A	H
		5145.08	60.05	-13.95	74	55.4	32.95	8.32	36.62	100	275	P	V
		5150	51.25	-2.75	54	46.6	32.95	8.32	36.62	100	275	A	V
	*	5210	96.23	-	-	91.58	32.89	8.37	36.61	100	275	P	V
	*	5210	89.21	-	-	84.56	32.89	8.37	36.61	100	275	A	V
		5438.4	54.7	-19.3	74	50	32.8	8.49	36.59	100	275	P	V
		5453.4	42.27	-11.73	54	37.55	32.8	8.51	36.59	100	275	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)

[illegible]



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 3+4	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		5150	50.78	-23.22	74	46.13	32.95	8.32	36.62	100	237	P	H
		5149.52	42.55	-11.45	54	37.9	32.95	8.32	36.62	100	237	A	H
	*	5260	110.61	-	-	105.99	32.84	8.39	36.61	100	237	P	H
	*	5260	103.19	-	-	98.57	32.84	8.39	36.61	100	237	A	H
		5351.1	55.39	-18.61	74	50.76	32.8	8.43	36.6	100	237	P	H
		5350.66	47.97	-6.03	54	43.34	32.8	8.43	36.6	100	237	A	H
		5146.44	46.54	-27.46	74	41.89	32.95	8.32	36.62	301	304	P	V
		5149.24	39.48	-14.52	54	34.83	32.95	8.32	36.62	301	304	A	V
	*	5260	104.91	-	-	100.29	32.84	8.39	36.61	301	304	P	V
	*	5260	99.63	-	-	95.01	32.84	8.39	36.61	301	304	A	V
		5352.64	52.77	-21.23	74	48.14	32.8	8.43	36.6	301	304	P	V
		5352.2	45.97	-8.03	54	41.34	32.8	8.43	36.6	301	304	A	V
802.11a CH 60 5220MHz		5114.56	47.06	-26.94	74	42.41	32.99	8.29	36.63	254	236	P	H
		5081.28	37.2	-16.8	54	32.53	33.04	8.26	36.63	254	236	A	H
	*	5300	104.85	-	-	100.24	32.8	8.41	36.6	254	236	P	H
	*	5300	100.43	-	-	95.82	32.8	8.41	36.6	254	236	A	H
		5350.74	56.82	-17.18	74	52.19	32.8	8.43	36.6	254	236	P	H
		5351.64	50.82	-3.18	54	46.19	32.8	8.43	36.6	254	236	A	H
		5013.76	45.58	-28.42	74	40.86	33.17	8.19	36.64	101	265	P	V
		5056	37.37	-16.63	54	32.68	33.09	8.23	36.63	101	265	A	V
	*	5300	105.65	-	-	101.04	32.8	8.41	36.6	101	265	P	V
	*	5300	99.87	-	-	95.26	32.8	8.41	36.6	101	265	A	V
		5354.7	58.48	-15.52	74	53.85	32.8	8.43	36.6	101	265	P	V
		5352.18	50.95	-3.05	54	46.32	32.8	8.43	36.6	101	265	A	V



802.11a CH 64 5320MHz	*	5320	102.77	-	-	98.15	32.8	8.42	36.6	100	237	P	H
	*	5320	97.08	-	-	92.46	32.8	8.42	36.6	100	237	A	H
		5350.24	57.44	-16.56	74	52.81	32.8	8.43	36.6	100	237	P	H
		5350.08	50.88	-3.12	54	46.25	32.8	8.43	36.6	100	237	A	H
													H
													H
	*	5320	102.62	-	-	98	32.8	8.42	36.6	125	284	P	V
	*	5320	96.42	-	-	91.8	32.8	8.42	36.6	125	284	A	V
		5350.08	58.14	-15.86	74	53.51	32.8	8.43	36.6	125	284	P	V
		5350.08	49.34	-4.66	54	44.71	32.8	8.43	36.6	125	284	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.03	-21.17	68.2	53.62	38.61	12.59	57.79	-	-	P	H
		15780	48.92	-25.08	74	52.44	37.87	16.02	57.41	-	-	P	H
		15780	40.13	-13.87	54	43.65	37.87	16.02	57.41	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	47.37	-20.83	68.2	53.96	38.61	12.59	57.79	-	-	P	V
		15780	48.57	-25.43	74	52.09	37.87	16.02	57.41	-	-	P	V
		15780	39.78	-14.22	54	43.3	37.87	16.02	57.41	-	-	A	V
													V
													V
													V
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WIFI Ant. 3+4	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)
i802.11a CH 60 5300MHz		10600	47.51	-26.49	74	53.97	38.64	12.64	57.74	-	-	P	H
		15900	49.23	-24.77	74	52.91	37.67	16.11	57.46	-	-	P	H
		15900	40.44	-13.56	54	44.12	37.67	16.11	57.46	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	47.77	-26.23	74	54.23	38.64	12.64	57.74	-	-	P	V
		15900	48.87	-25.13	74	52.55	37.67	16.11	57.46	-	-	P	V
		15900	40.08	-13.92	54	43.76	37.67	16.11	57.46	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	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	48.29	-25.71	74	54.69	38.66	12.66	57.72	-	-	P	H
		10640	39.5	-14.5	54	45.9	38.66	12.66	57.72	-	-	A	H
		15960	47.41	-26.59	74	51.16	37.57	16.16	57.48	-	-	P	H
		15960	38.62	-15.38	54	42.37	37.57	16.16	57.48	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	48.28	-25.72	74	54.68	38.66	12.66	57.72	-	-	P	V
		10640	39.49	-14.51	54	45.89	38.66	12.66	57.72	-	-	A	V
		15960	48.09	-25.91	74	51.84	37.57	16.16	57.48	-	-	P	V
		15960	39.3	-14.7	54	43.05	37.57	16.16	57.48	-	-	A	V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 2 5250~5350MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5142.24	53.96	-20.04	74	49.3	32.96	8.32	36.62	111	236	P	H
		5150	44.18	-9.82	54	39.53	32.95	8.32	36.62	111	236	A	H
	*	5260	110.17	-	-	105.55	32.84	8.39	36.61	111	236	P	H
	*	5260	102.43	-	-	97.81	32.84	8.39	36.61	111	236	A	H
		5350	57.43	-16.57	74	52.8	32.8	8.43	36.6	111	236	P	H
		5350	49.97	-4.03	54	45.34	32.8	8.43	36.6	111	236	A	H
		5144.76	50.78	-23.22	74	46.12	32.96	8.32	36.62	302	244	P	V
		5148.68	42.96	-11.04	54	38.31	32.95	8.32	36.62	302	244	A	V
	*	5260	106.93	-	-	102.31	32.84	8.39	36.61	302	244	P	V
	*	5260	99.26	-	-	94.64	32.84	8.39	36.61	302	244	A	V
		5356.6	54.93	-19.07	74	50.3	32.8	8.43	36.6	302	244	P	V
		5350.22	47.86	-6.14	54	43.23	32.8	8.43	36.6	302	244	A	V
802.11ax HE20 Full CH 60 5300MHz		5124.8	46.84	-27.16	74	42.19	32.98	8.3	36.63	100	237	P	H
		5150	37.52	-16.48	54	32.87	32.95	8.32	36.62	100	237	A	H
	*	5300	108.24	-	-	103.63	32.8	8.41	36.6	100	237	P	H
	*	5300	101.93	-	-	97.32	32.8	8.41	36.6	100	237	A	H
		5352.18	59.01	-14.99	74	54.38	32.8	8.43	36.6	100	237	P	H
		5351.82	49.75	-4.25	54	45.12	32.8	8.43	36.6	100	237	A	H
		5133.12	45.86	-28.14	74	41.2	32.97	8.31	36.62	332	305	P	V
		5005.12	37.46	-16.54	54	32.73	33.19	8.18	36.64	332	305	A	V
	*	5300	104.23	-	-	99.62	32.8	8.41	36.6	332	305	P	V
	*	5300	97.25	-	-	92.64	32.8	8.41	36.6	332	305	A	V
		5351.64	56.45	-17.55	74	51.82	32.8	8.43	36.6	332	305	P	V
		5351.1	46.5	-7.5	54	41.87	32.8	8.43	36.6	332	305	A	V



802.11ax HE20 Full CH 64 5320MHz	*	5320	101.49	-	-	96.87	32.8	8.42	36.6	100	236	P	H
	*	5320	95.13	-	-	90.51	32.8	8.42	36.6	100	236	A	H
		5351.2	58.6	-15.4	74	53.97	32.8	8.43	36.6	100	236	P	H
		5350.08	51.1	-2.9	54	46.47	32.8	8.43	36.6	100	236	A	H
													H
													H
	*	5320	103.45	-	-	98.83	32.8	8.42	36.6	100	271	P	V
	*	5320	95.92	-	-	91.3	32.8	8.42	36.6	100	271	A	V
		5351.52	58.49	-15.51	74	53.86	32.8	8.43	36.6	100	271	P	V
		5350.08	50.71	-3.29	54	46.08	32.8	8.43	36.6	100	271	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)

[illegible]



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 60 5300MHz		10600	48.19	-25.81	74	54.65	38.64	12.64	57.74	-	-	P	H
		10600	39.4	-14.6	54	45.86	38.64	12.64	57.74	-	-	A	H
		15900	49.9	-24.1	74	53.58	37.67	16.11	57.46	-	-	P	H
		15900	41.11	-12.89	54	44.79	37.67	16.11	57.46	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	48.1	-25.9	74	54.56	38.64	12.64	57.74	-	-	P	V
		10600	39.31	-14.69	54	45.77	38.64	12.64	57.74	-	-	A	V
		15900	50.56	-23.44	74	54.24	37.67	16.11	57.46	-	-	P	V
		15900	41.77	-12.23	54	45.45	37.67	16.11	57.46	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 3+4	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	100.07	-	-	95.45	32.8	8.42	36.6	100	236	P	H
	*	5320	93.38	-	-	88.76	32.8	8.42	36.6	100	236	A	H
		5351.52	50.63	-23.37	74	46	32.8	8.43	36.6	100	236	P	H
		5352.64	36.9	-17.1	54	32.27	32.8	8.43	36.6	100	236	A	H
													H
													H
	*	5320	98.06	-	-	93.44	32.8	8.42	36.6	312	241	P	V
	*	5320	91.12	-	-	86.5	32.8	8.42	36.6	312	241	A	V
		5353.12	48.03	-25.97	74	43.4	32.8	8.43	36.6	312	241	P	V
		5449.92	36.84	-17.16	54	32.13	32.8	8.5	36.59	312	241	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/40 CH 64 5320MHz	*	5320	100.96	-	-	96.34	32.8	8.42	36.6	100	235	P	H
	*	5320	93.87	-	-	89.25	32.8	8.42	36.6	100	235	A	H
		5350.24	53.98	-20.02	74	49.35	32.8	8.43	36.6	100	235	P	H
		5354.72	37.44	-16.56	54	32.81	32.8	8.43	36.6	100	235	A	H
													H
													H
	*	5320	98.98	-	-	94.36	32.8	8.42	36.6	312	241	P	V
	*	5320	90.97	-	-	86.35	32.8	8.42	36.6	312	241	A	V
		5350.4	50.97	-23.03	74	46.34	32.8	8.43	36.6	312	241	P	V
		5351.04	37.21	-16.79	54	32.58	32.8	8.43	36.6	312	241	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz	*	5320	102.55	-	-	97.93	32.8	8.42	36.6	100	234	P	H
	*	5320	94.05	-	-	89.43	32.8	8.42	36.6	100	234	A	H
		5350.24	55.76	-18.24	74	51.13	32.8	8.43	36.6	100	234	P	H
		5350.08	39.86	-14.14	54	35.23	32.8	8.43	36.6	100	234	A	H
													H
													H
	*	5320	98.32	-	-	93.7	32.8	8.42	36.6	310	242	P	V
	*	5320	91.07	-	-	86.45	32.8	8.42	36.6	310	242	A	V
		5351.36	52.9	-21.1	74	48.27	32.8	8.43	36.6	310	242	P	V
		5350.08	38.27	-15.73	54	33.64	32.8	8.43	36.6	310	242	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. 3+4	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		5149.12	49.96	-24.04	74	45.31	32.95	8.32	36.62	100	235	P	H
		5150	40.39	-13.61	54	35.74	32.95	8.32	36.62	100	235	A	H
	*	5270	100.11	-	-	95.49	32.83	8.4	36.61	100	235	P	H
	*	5270	94.55	-	-	89.93	32.83	8.4	36.61	100	235	A	H
		5351.52	57.6	-16.4	74	52.97	32.8	8.43	36.6	100	235	P	H
		5351.28	50.56	-3.44	54	45.93	32.8	8.43	36.6	100	235	A	H
		5140.16	49.21	-24.79	74	44.56	32.96	8.31	36.62	100	271	P	V
		5150	40.68	-13.32	54	36.03	32.95	8.32	36.62	100	271	A	V
	*	5270	102.97	-	-	98.35	32.83	8.4	36.61	100	271	P	V
	*	5270	96.22	-	-	91.6	32.83	8.4	36.61	100	271	A	V
		5352.48	59.42	-14.58	74	54.79	32.8	8.43	36.6	100	271	P	V
		5350.32	51.55	-2.45	54	46.92	32.8	8.43	36.6	100	271	A	V
802.11ax HE40 Full CH 62 5310MHz		5056.1	46.35	-27.65	74	41.66	33.09	8.23	36.63	100	235	P	H
		5022.44	37.71	-16.29	54	32.99	33.16	8.2	36.64	100	235	A	H
	*	5310	98.3	-	-	93.69	32.8	8.41	36.6	100	235	P	H
	*	5310	91	-	-	86.39	32.8	8.41	36.6	100	235	A	H
		5352.48	58.39	-15.61	74	53.76	32.8	8.43	36.6	100	235	P	H
		5351.76	50.73	-3.27	54	46.1	32.8	8.43	36.6	100	235	A	H
		5121.72	45.97	-28.03	74	41.32	32.98	8.3	36.63	100	276	P	V
		5145.52	37.68	-16.32	54	33.03	32.95	8.32	36.62	100	276	A	V
	*	5310	98.21	-	-	93.6	32.8	8.41	36.6	100	276	P	V
	*	5310	92.1	-	-	87.49	32.8	8.41	36.6	100	276	A	V
		5355.12	57.86	-16.14	74	53.23	32.8	8.43	36.6	100	276	P	V
		5350.08	50.98	-3.02	54	46.35	32.8	8.43	36.6	100	276	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		10540	47.61	-20.59	68.2	54.17	38.62	12.6	57.78	-	-	P	H
		15810	48.53	-25.47	74	52.09	37.82	16.04	57.42	-	-	P	H
		15810	39.74	-14.26	54	43.3	37.82	16.04	57.42	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10540	46.83	-21.37	68.2	53.39	38.62	12.6	57.78	-	-	P	V
		15810	48.72	-25.28	74	52.28	37.82	16.04	57.42	-	-	P	V
		15810	39.93	-14.07	54	43.49	37.82	16.04	57.42	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	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 62 5310MHz		10620	47.35	-26.65	74	53.77	38.65	12.66	57.73	-	-	P	H
		15930	47.48	-26.52	74	51.19	37.62	16.14	57.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10620	47.4	-26.6	74	53.82	38.65	12.66	57.73	-	-	P	V
		15930	47.83	-26.17	74	51.54	37.62	16.14	57.47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												


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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5136	46.55	-27.45	74	41.9	32.96	8.31	36.62	100	237	P	H
		5143.14	38.64	-15.36	54	33.98	32.96	8.32	36.62	100	237	A	H
	*	5290	95.31	-	-	90.7	32.81	8.41	36.61	100	237	P	H
	*	5290	87.32	-	-	82.71	32.81	8.41	36.61	100	237	A	H
		5358.8	58.78	-15.22	74	54.15	32.8	8.43	36.6	100	237	P	H
		5353.74	49.5	-4.5	54	44.87	32.8	8.43	36.6	100	237	A	H
		5140.42	46.88	-27.12	74	42.23	32.96	8.31	36.62	100	277	P	V
		5148.58	39	-15	54	34.35	32.95	8.32	36.62	100	277	A	V
	*	5290	96.28	-	-	91.67	32.81	8.41	36.61	100	277	P	V
	*	5290	88.35	-	-	83.74	32.81	8.41	36.61	100	277	A	V
		5357.7	58.79	-15.21	74	54.16	32.8	8.43	36.6	100	277	P	V
		5350.66	50.8	-3.2	54	46.17	32.8	8.43	36.6	100	277	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)

[illegible]



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 3+4	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		5459.82	57.38	-16.62	74	52.64	32.8	8.52	36.58	217	240	P	H
		5469.17	63.17	-5.03	68.2	58.42	32.8	8.53	36.58	217	240	P	H
		5459.99	52	-2	54	47.26	32.8	8.52	36.58	217	240	A	H
	*	5500	108.62	-	-	103.84	32.8	8.56	36.58	217	240	P	H
	*	5500	102.39	-	-	97.61	32.8	8.56	36.58	217	240	A	H
													H
		5459.82	59.15	-14.85	74	54.41	32.8	8.52	36.58	100	284	P	V
		5470	62.33	-5.87	68.2	57.58	32.8	8.53	36.58	100	284	P	V
		5459.82	49.54	-4.46	54	44.8	32.8	8.52	36.58	100	284	A	V
	*	5500	106.96	-	-	102.18	32.8	8.56	36.58	100	284	P	V
	*	5500	100.71	-	-	95.93	32.8	8.56	36.58	100	284	A	V
													V
802.11a CH 104 5520MHz		5455.64	59.48	-14.52	74	54.76	32.8	8.51	36.59	239	0	P	H
		5467.99	61.93	-6.27	68.2	57.19	32.8	8.52	36.58	239	0	P	H
		5460	49.75	-4.25	54	45.01	32.8	8.52	36.58	239	0	A	H
	*	5520	107.46	-	-	102.62	32.84	8.58	36.58	239	0	P	H
	*	5520	101.6	-	-	96.76	32.84	8.58	36.58	239	0	A	H
													H
		5458.49	57.34	-16.66	74	52.61	32.8	8.51	36.58	100	294	P	V
		5469.13	63.78	-4.42	68.2	59.03	32.8	8.53	36.58	100	294	P	V
		5458.68	47.71	-6.29	54	42.98	32.8	8.51	36.58	100	294	A	V
	*	5520	107.95	-	-	103.11	32.84	8.58	36.58	100	294	P	V
	*	5520	101.31	-	-	96.47	32.84	8.58	36.58	100	294	A	V
													V



802.11a CH 116 5580MHz		5455.64	48.89	-25.11	74	44.17	32.8	8.51	36.59	105	240	P	H
		5465.75	51.55	-16.65	68.2	46.81	32.8	8.52	36.58	105	240	P	H
		5459.44	42.12	-11.88	54	37.38	32.8	8.52	36.58	105	240	A	H
	*	5580	109.81	-	-	104.77	32.96	8.65	36.57	105	240	P	H
	*	5580	104.48	-	-	99.44	32.96	8.65	36.57	105	240	A	H
		5727.83	46.79	-21.41	68.2	40.92	33.64	8.78	36.55	105	240	P	H
		5451.25	49.74	-24.26	74	45.02	32.8	8.51	36.59	322	265	P	V
		5460.75	48.55	-19.65	68.2	43.81	32.8	8.52	36.58	322	265	P	V
		5459.68	40.81	-13.19	54	36.07	32.8	8.52	36.58	322	265	A	V
	*	5580	109.43	-	-	104.39	32.96	8.65	36.57	322	265	P	V
	*	5580	103.57	-	-	98.53	32.96	8.65	36.57	322	265	A	V
		5728.145	47.25	-20.95	68.2	41.38	33.64	8.78	36.55	322	265	P	V



802.11a CH 136 5680MHz	*	5680	106.77	-	-	101.19	33.4	8.74	36.56	100	235	P	H
	*	5680	100.52	-	-	94.94	33.4	8.74	36.56	100	235	A	H
		5726.145	65.57	-2.63	68.2	59.71	33.63	8.78	36.55	100	235	P	H
													H
													H
													H
	*	5680	105.24	-	-	99.66	33.4	8.74	36.56	302	305	P	V
	*	5680	99.52	-	-	93.94	33.4	8.74	36.56	302	305	A	V
		5728.235	63.67	-4.53	68.2	57.8	33.64	8.78	36.55	302	305	P	V
													V
													V
													V
802.11a CH 140 5700MHz	*	5700	107.07	-	-	101.37	33.5	8.76	36.56	107	242	P	H
	*	5700	101.4	-	-	95.7	33.5	8.76	36.56	107	242	A	H
		5727.5	65.18	-3.02	68.2	59.31	33.64	8.78	36.55	107	242	P	H
													H
													H
													H
	*	5700	103.27	-	-	97.57	33.5	8.76	36.56	135	273	P	V
	*	5700	97.56	-	-	91.86	33.5	8.76	36.56	135	273	A	V
		5725.1	64.49	-3.71	68.2	58.63	33.63	8.78	36.55	135	273	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.34	-26.66	74	53.13	38.8	12.91	57.5	-	-	P	H
		16500	48.78	-19.42	68.2	52.78	37.6	16.2	57.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	47.33	-26.67	74	53.12	38.8	12.91	57.5	-	-	P	V
		16500	49.31	-18.89	68.2	53.31	37.6	16.2	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	46.89	-27.11	74	52.43	38.85	12.98	57.37	-	-	P	H
		16740	50.12	-18.08	68.2	54.21	37.65	16.2	57.94	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	46.81	-27.19	74	52.35	38.85	12.98	57.37	-	-	P	V
		16740	49.71	-18.49	68.2	53.8	37.65	16.2	57.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 3 - 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5458.63	57.71	-16.29	74	52.98	32.8	8.51	36.58	100	276	P	H
		5468.32	62.53	-5.67	68.2	57.78	32.8	8.53	36.58	100	276	P	H
		5459.99	48.46	-5.54	54	43.72	32.8	8.52	36.58	100	276	A	H
	*	5500	108.76	-	-	103.98	32.8	8.56	36.58	100	276	P	H
	*	5500	100.55	-	-	95.77	32.8	8.56	36.58	100	276	A	H
		5459.82	57.96	-16.04	74	53.22	32.8	8.52	36.58	342	323	P	V
		5469.85	63.88	-4.32	68.2	59.13	32.8	8.53	36.58	342	323	P	V
		5459.65	50.95	-3.05	54	46.21	32.8	8.52	36.58	342	323	A	V
	*	5500	104.19	-	-	99.41	32.8	8.56	36.58	342	323	P	V
	*	5500	97.68	-	-	92.9	32.8	8.56	36.58	342	323	A	V
													V
													V
802.11ax HE20 Full CH 104 5520MHz		5460.01	58.7	-9.5	68.2	53.96	32.8	8.52	36.58	100	234	P	H
		5464.19	62.74	-5.46	68.2	58	32.8	8.52	36.58	100	234	P	H
		5459.44	48.52	-5.48	54	43.78	32.8	8.52	36.58	100	234	A	H
	*	5520	106.67	-	-	101.83	32.84	8.58	36.58	100	234	P	H
	*	5520	99.23	-	-	94.39	32.84	8.58	36.58	100	234	A	H
													H
		5456.97	56.69	-17.31	74	51.97	32.8	8.51	36.59	392	360	P	V
		5467.23	62.06	-6.14	68.2	57.32	32.8	8.52	36.58	392	360	P	V
		5457.54	47.2	-6.8	54	42.48	32.8	8.51	36.59	392	360	A	V
	*	5520	104.38	-	-	99.54	32.84	8.58	36.58	392	360	P	V
	*	5520	96.37	-	-	91.53	32.84	8.58	36.58	392	360	A	V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 116 5580MHz		5459.5	46.61	-27.39	74	41.87	32.8	8.52	36.58	100	237	P	H
		5463	47.54	-20.66	68.2	42.8	32.8	8.52	36.58	100	237	P	H
		5459.44	39.47	-14.53	54	34.73	32.8	8.52	36.58	100	237	A	H
	*	5580	108.35	-	-	103.31	32.96	8.65	36.57	100	237	P	H
	*	5580	102.33	-	-	97.29	32.96	8.65	36.57	100	237	A	H
		5755.235	45.05	-23.15	68.2	39.02	33.78	8.8	36.55	100	237	P	H
		5450.75	45.79	-28.21	74	41.07	32.8	8.51	36.59	359	273	P	V
		5469.5	45.54	-22.66	68.2	40.79	32.8	8.53	36.58	359	273	P	V
		5459.44	38.72	-15.28	54	33.98	32.8	8.52	36.58	359	273	A	V
	*	5580	109.74	-	-	104.7	32.96	8.65	36.57	359	273	P	V
	*	5580	102.64	-	-	97.6	32.96	8.65	36.57	359	273	A	V
802.11ax HE20 Full CH 136 5680MHz		5749.25	45.4	-22.8	68.2	39.4	33.75	8.8	36.55	359	273	P	V
	*	5680	107.02	-	-	101.44	33.4	8.74	36.56	100	246	P	H
	*	5680	99.89	-	-	94.31	33.4	8.74	36.56	100	246	A	H
		5725.67	65	-3.2	68.2	59.14	33.63	8.78	36.55	100	246	P	H
													H
													H
													H
	*	5680	102.98	-	-	97.4	33.4	8.74	36.56	369	332	P	V
	*	5680	96.77	-	-	91.19	33.4	8.74	36.56	369	332	A	V
		5725.29	64.6	-3.6	68.2	58.74	33.63	8.78	36.55	369	332	P	V
													V
													V
													V



802.11ax HE20 Full CH 140 5700MHz	*	5700	105.78	-	-	100.08	33.5	8.76	36.56	100	238	P	H
	*	5700	98.11	-	-	92.41	33.5	8.76	36.56	100	238	A	H
		5725.025	64.47	-3.73	68.2	58.61	33.63	8.78	36.55	100	238	P	H
													H
													H
													H
	*	5700	104.5	-	-	98.8	33.5	8.76	36.56	382	293	P	V
	*	5700	98.29	-	-	92.59	33.5	8.76	36.56	382	293	A	V
		5725.25	65.84	-2.36	68.2	59.98	33.63	8.78	36.55	382	293	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	47.91	-26.09	74	53.7	38.8	12.91	57.5	-	-	P	H
		16500	48.48	-19.72	68.2	52.48	37.6	16.2	57.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	46.92	-27.08	74	52.71	38.8	12.91	57.5	-	-	P	V
		16500	49.17	-19.03	68.2	53.17	37.6	16.2	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 100 5260MHz		5457.1	49.92	-24.08	74	45.2	32.8	8.51	36.59	100	252	P	H
		5469.85	51.86	-16.34	68.2	47.11	32.8	8.53	36.58	100	252	P	H
		5438.91	36.93	-17.07	54	32.23	32.8	8.49	36.59	100	252	A	H
	*	5500	102.26	-	-	97.48	32.8	8.56	36.58	100	252	P	H
	*	5500	95.02	-	-	90.24	32.8	8.56	36.58	100	252	A	H
													H
		5457.61	48.22	-25.78	74	43.5	32.8	8.51	36.59	260	269	P	V
		5469.68	52.07	-16.13	68.2	47.32	32.8	8.53	36.58	260	269	P	V
		5456.59	37.12	-16.88	54	32.4	32.8	8.51	36.59	260	269	A	V
	*	5500	102.62	-	-	97.84	32.8	8.56	36.58	260	269	P	V
	*	5500	96.33	-	-	91.55	32.8	8.56	36.58	260	269	A	V
													V
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	99.99	-	-	94.29	33.5	8.76	36.56	100	240	P	H
	*	5700	93.09	-	-	87.39	33.5	8.76	36.56	100	240	A	H
		5725.325	52.97	-15.23	68.2	47.11	33.63	8.78	36.55	100	240	P	H
													H
													H
													H
	*	5700	99.18	-	-	93.48	33.5	8.76	36.56	266	257	P	V
	*	5700	91.93	-	-	86.23	33.5	8.76	36.56	266	257	A	V
		5727.425	51.17	-17.03	68.2	45.3	33.64	8.78	36.55	266	257	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 100 5500MHz		5457.44	50.09	-23.91	74	45.37	32.8	8.51	36.59	100	251	P	H
		5466.45	53.6	-14.6	68.2	48.86	32.8	8.52	36.58	100	251	P	H
		5459.14	37.11	-16.89	54	32.37	32.8	8.52	36.58	100	251	A	H
	*	5500	104.24	-	-	99.46	32.8	8.56	36.58	100	251	P	H
	*	5500	94.76	-	-	89.98	32.8	8.56	36.58	100	251	A	H
													H
		5459.48	51.19	-22.81	74	46.45	32.8	8.52	36.58	269	265	P	V
		5466.96	52.76	-15.44	68.2	48.02	32.8	8.52	36.58	269	265	P	V
		5458.8	37.12	-16.88	54	32.39	32.8	8.51	36.58	269	265	A	V
	*	5500	102.52	-	-	97.74	32.8	8.56	36.58	269	265	P	V
	*	5500	95.98	-	-	91.2	32.8	8.56	36.58	269	265	A	V
													V
802.11ax HE20 Partial 52/40 CH 140 5700MHz	*	5700	100.39	-	-	94.69	33.5	8.76	36.56	103	239	P	H
	*	5700	93.88	-	-	88.18	33.5	8.76	36.56	103	239	A	H
		5727.5	55.89	-12.31	68.2	50.02	33.64	8.78	36.55	103	239	P	H
													H
													H
													H
	*	5700	98.7	-	-	93	33.5	8.76	36.56	283	252	P	V
	*	5700	92.26	-	-	86.56	33.5	8.76	36.56	283	252	A	V
		5725.55	55	-13.2	68.2	49.14	33.63	8.78	36.55	283	252	P	V
													V
Remark													V
													V
													V
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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5459.82	54.59	-19.41	74	49.85	32.8	8.52	36.58	100	236	P	H
		5469.34	59.74	-8.46	68.2	54.99	32.8	8.53	36.58	100	236	P	H
		5457.61	39.22	-14.78	54	34.5	32.8	8.51	36.59	100	236	A	H
	*	5500	103.35	-	-	98.57	32.8	8.56	36.58	100	236	P	H
	*	5500	96.08	-	-	91.3	32.8	8.56	36.58	100	236	A	H
													H
		5459.48	51.44	-22.56	74	46.7	32.8	8.52	36.58	305	269	P	V
		5470	57.71	-10.49	68.2	52.96	32.8	8.53	36.58	305	269	P	V
		5459.48	38.58	-15.42	54	33.84	32.8	8.52	36.58	305	269	A	V
	*	5500	104.81	-	-	100.03	32.8	8.56	36.58	305	269	P	V
	*	5500	96.72	-	-	91.94	32.8	8.56	36.58	305	269	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	100.84	-	-	95.14	33.5	8.76	36.56	100	237	P	H
	*	5700	94.11	-	-	88.41	33.5	8.76	36.56	100	237	A	H
		5725.025	58.63	-9.57	68.2	52.77	33.63	8.78	36.55	100	237	P	H
													H
													H
													H
	*	5700	99.51	-	-	93.81	33.5	8.76	36.56	250	251	P	V
	*	5700	92.21	-	-	86.51	33.5	8.76	36.56	250	251	A	V
		5725.1	55.8	-12.4	68.2	49.94	33.63	8.78	36.55	250	251	P	V
													V
Remark													V
													V
													V
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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5459.62	59.21	-14.79	74	54.47	32.8	8.52	36.58	100	246	P	H
		5469.07	63.21	-4.99	68.2	58.46	32.8	8.53	36.58	100	246	P	H
		5458.99	51.7	-2.3	54	46.97	32.8	8.51	36.58	100	246	A	H
	*	5510	105.37	-	-	100.56	32.82	8.57	36.58	100	246	P	H
	*	5510	97.84	-	-	93.03	32.82	8.57	36.58	100	246	A	H
		5730.35	46.6	-21.6	68.2	40.72	33.65	8.78	36.55	100	246	P	H
		5458.36	57.48	-16.52	74	52.75	32.8	8.51	36.58	353	258	P	V
		5468.23	63.61	-4.59	68.2	58.86	32.8	8.53	36.58	353	258	P	V
		5460	50.54	-3.46	54	45.8	32.8	8.52	36.58	353	258	A	V
	*	5510	100.49	-	-	95.68	32.82	8.57	36.58	353	258	P	V
	*	5510	94.72	-	-	89.91	32.82	8.57	36.58	353	258	A	V
		5759.96	45.02	-23.18	68.2	38.96	33.8	8.81	36.55	353	258	P	V
802.11ax HE40 Full CH 110 5550MHz		5454.06	58.52	-15.48	74	53.8	32.8	8.51	36.59	100	240	P	H
		5469.24	59.48	-8.72	68.2	54.73	32.8	8.53	36.58	100	240	P	H
		5460	48.38	-5.62	54	43.64	32.8	8.52	36.58	100	240	A	H
	*	5550	106.77	-	-	101.83	32.9	8.61	36.57	100	240	P	H
	*	5550	99.33	-	-	94.39	32.9	8.61	36.57	100	240	A	H
		5756.18	45.72	-22.48	68.2	39.69	33.78	8.8	36.55	100	240	P	H
		5452.52	52.43	-21.57	74	47.71	32.8	8.51	36.59	382	265	P	V
		5467.7	55.33	-12.87	68.2	50.59	32.8	8.52	36.58	382	265	P	V
		5459.34	45.29	-8.71	54	40.55	32.8	8.52	36.58	382	265	A	V
	*	5550	105.25	-	-	100.31	32.9	8.61	36.57	382	265	P	V
	*	5550	98.14	-	-	93.2	32.9	8.61	36.57	382	265	A	V
		5743.895	45.94	-22.26	68.2	39.98	33.72	8.79	36.55	382	265	P	V



802.11ax HE40 Full CH 134 5670MHz		5373.45	45.88	-28.12	74	41.24	32.8	8.44	36.6	100	243	P	H
		5469	44.44	-23.76	68.2	39.69	32.8	8.53	36.58	100	243	P	H
		5457.45	37.95	-16.05	54	33.23	32.8	8.51	36.59	100	243	A	H
	*	5670	105.16	-	-	99.64	33.35	8.73	36.56	100	243	P	H
	*	5670	98.76	-	-	93.24	33.35	8.73	36.56	100	243	A	H
		5725.975	63.4	-4.8	68.2	57.54	33.63	8.78	36.55	100	243	P	H
		5373.45	45.47	-28.53	74	40.83	32.8	8.44	36.6	366	262	P	V
		5460.95	44.03	-24.17	68.2	39.29	32.8	8.52	36.58	366	262	P	V
		5455.35	37.65	-16.35	54	32.93	32.8	8.51	36.59	366	262	A	V
	*	5670	100.17	-	-	94.65	33.35	8.73	36.56	366	262	P	V
	*	5670	93.29	-	-	87.77	33.35	8.73	36.56	366	262	A	V
		5728.425	56.68	-11.52	68.2	50.81	33.64	8.78	36.55	366	262	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		11020	49.05	-24.95	74	54.8	38.81	12.92	57.48	-	-	P	H
		11020	40.49	-13.51	54	46.24	38.81	12.92	57.48	-	-	P	H
		16530	47.62	-20.58	68.2	51.63	37.61	16.2	57.82	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11020	47.96	-26.04	74	53.71	38.81	12.92	57.48	-	-	P	V
		16530	48.27	-19.93	68.2	52.28	37.61	16.2	57.82	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5454.42	57.17	-16.83	74	52.45	32.8	8.51	36.59	100	245	P	H
		5461.78	59.85	-8.35	68.2	55.11	32.8	8.52	36.58	100	245	P	H
		5459.25	49.8	-4.2	54	45.06	32.8	8.52	36.58	100	245	A	H
	*	5530	99.78	-	-	94.91	32.86	8.59	36.58	100	245	P	H
	*	5530	92.29	-	-	87.42	32.86	8.59	36.58	100	245	A	H
		5732.87	50.3	-17.9	68.2	44.41	33.66	8.78	36.55	100	245	P	H
		5459.94	53.46	-20.54	74	48.72	32.8	8.52	36.58	331	259	P	V
		5470	57.09	-11.11	68.2	52.34	32.8	8.53	36.58	331	259	P	V
		5459.94	48.01	-5.99	54	43.27	32.8	8.52	36.58	331	259	A	V
	*	5530	97.4	-	-	92.53	32.86	8.59	36.58	331	259	P	V
	*	5530	89.6	-	-	84.73	32.86	8.59	36.58	331	259	A	V
		5730.035	49.85	-18.35	68.2	43.97	33.65	8.78	36.55	331	259	P	V
802.11ax HE80 Full CH 122 5610MHz		5458.19	59.85	-14.15	74	55.13	32.8	8.51	36.59	100	233	P	H
		5468.42	60.54	-7.66	68.2	55.79	32.8	8.53	36.58	100	233	P	H
		5459.43	52.08	-1.92	54	47.34	32.8	8.52	36.58	100	233	A	H
	*	5610	101.7	-	-	96.54	33.05	8.68	36.57	100	233	P	H
	*	5610	94.44	-	-	89.28	33.05	8.68	36.57	100	233	A	H
		5725.94	61.02	-7.18	68.2	55.16	33.63	8.78	36.55	100	233	P	H
		5459.5	54.94	-19.06	74	50.2	32.8	8.52	36.58	354	255	P	V
		5468.42	56.94	-11.26	68.2	52.19	32.8	8.53	36.58	354	255	P	V
		5460	48.38	-5.62	54	43.64	32.8	8.52	36.58	354	255	A	V
	*	5610	97.1	-	-	91.94	33.05	8.68	36.57	354	255	P	V
	*	5610	91.45	-	-	86.29	33.05	8.68	36.57	354	255	A	V
		5735.075	53.24	-14.96	68.2	47.33	33.68	8.78	36.55	354	255	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		11060	48.58	-25.42	74	54.28	38.82	12.93	57.45	-	-	P	H
		11060	38.79	-15.21	54	44.49	38.82	12.93	57.45	-	-	A	H
		16590	48.08	-20.12	68.2	52.11	37.62	16.2	57.85	-	-	P	H
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		11060	48.04	-25.96	74	53.74	38.82	12.93	57.45	-	-	P	V
		11060	39.15	-14.85	54	44.85	38.82	12.93	57.45	-	-	A	V
		16590	47.93	-20.27	68.2	51.96	37.62	16.2	57.85	-	-	P	V
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													V



Report No. : FR380307E

[illegible]

**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.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5368.33	46.2	-27.8	74	41.56	32.8	8.44	36.6	100	243	P	H
		5464.66	45.49	-22.71	68.2	40.75	32.8	8.52	36.58	100	243	P	H
		5450.62	37.72	-16.28	54	33	32.8	8.51	36.59	100	243	A	H
	*	5720	109.39	-	-	103.57	33.6	8.77	36.55	100	243	P	H
	*	5720	103.79	-	-	97.97	33.6	8.77	36.55	100	243	A	H
		5850.75	47.29	-20.91	68.2	40.86	34.1	8.87	36.54	100	243	P	H
		5351.17	46.25	-27.75	74	41.62	32.8	8.43	36.6	361	263	P	V
		5468.95	45.16	-23.04	68.2	40.41	32.8	8.53	36.58	361	263	P	V
		5459.98	37.69	-16.31	54	32.95	32.8	8.52	36.58	361	263	A	V
	*	5720	109.42	-	-	103.6	33.6	8.77	36.55	361	263	P	V
	*	5720	104.03	-	-	98.21	33.6	8.77	36.55	361	263	A	V
		5949.25	47.64	-20.56	68.2	41.14	34.1	8.93	36.53	361	263	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)

[illegible]



Band 3 - Straddle Channel

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5352.73	46.09	-27.91	74	41.46	32.8	8.43	36.6	100	240	P	H
		5464.66	44.84	-23.36	68.2	40.1	32.8	8.52	36.58	100	240	P	H
		5446.72	37.78	-16.22	54	33.07	32.8	8.5	36.59	100	240	A	H
	*	5720	110.21	-	-	104.39	33.6	8.77	36.55	100	240	P	H
	*	5720	102.17	-	-	96.35	33.6	8.77	36.55	100	240	A	H
		5865	47.75	-20.45	68.2	41.28	34.13	8.88	36.54	100	240	P	H
		5413.18	45.72	-28.28	74	41.05	32.8	8.46	36.59	379	262	P	V
		5465.83	44.59	-23.61	68.2	39.85	32.8	8.52	36.58	379	262	P	V
		5457.25	37.72	-16.28	54	33	32.8	8.51	36.59	379	262	A	V
	*	5720	108.48	-	-	102.66	33.6	8.77	36.55	379	262	P	V
	*	5720	102.69	-	-	96.87	33.6	8.77	36.55	379	262	A	V
		5887	47.46	-20.74	68.2	40.93	34.17	8.89	36.53	379	262	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)

[illegible]


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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5413.96	45.11	-28.89	74	40.43	32.8	8.47	36.59	100	242	P	H
		5463.49	44.01	-24.19	68.2	39.27	32.8	8.52	36.58	100	242	P	H
		5441.65	37.78	-16.22	54	33.07	32.8	8.5	36.59	100	242	A	H
	*	5710	106.18	-	-	100.42	33.55	8.76	36.55	100	242	P	H
	*	5710	98.86	-	-	93.1	33.55	8.76	36.55	100	242	A	H
		5911.25	48.32	-19.88	68.2	41.76	34.18	8.91	36.53	100	242	P	H
		5354.68	45.8	-28.2	74	41.17	32.8	8.43	36.6	343	267	P	V
		5459.98	44.17	-29.83	74	39.43	32.8	8.52	36.58	343	267	P	V
		5458.81	37.84	-16.16	54	33.11	32.8	8.51	36.58	343	267	A	V
	*	5710	105.17	-	-	99.41	33.55	8.76	36.55	343	267	P	V
	*	5710	98.34	-	-	92.58	33.55	8.76	36.55	343	267	A	V
		5852	47.06	-21.14	68.2	40.63	34.1	8.87	36.54	343	267	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)

[illegible]


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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5432.68	58.69	-15.31	74	53.99	32.8	8.49	36.59	100	241	P	H
		5469.73	56.02	-12.18	68.2	51.27	32.8	8.53	36.58	100	241	P	H
		5458.42	49.61	-4.39	54	44.88	32.8	8.51	36.58	100	241	A	H
	*	5690	102.88	-	-	97.24	33.45	8.75	36.56	100	241	P	H
	*	5690	96	-	-	90.36	33.45	8.75	36.56	100	241	A	H
		5881	63.71	-4.49	68.2	57.19	34.16	8.89	36.53	100	241	P	H
		5449.84	50.96	-23.04	74	46.25	32.8	8.5	36.59	329	267	P	V
		5467	51.56	-16.64	68.2	46.82	32.8	8.52	36.58	329	267	P	V
		5448.28	43.47	-10.53	54	38.76	32.8	8.5	36.59	329	267	A	V
	*	5690	102.49	-	-	96.85	33.45	8.75	36.56	329	267	P	V
	*	5690	95.53	-	-	89.89	33.45	8.75	36.56	329	267	A	V
		5853.7	56.83	-11.37	68.2	50.39	34.11	8.87	36.54	329	267	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)

[illegible]

Emission above 18GHz

WIFI 802.11a (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.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a SHF		39824	47.11	-26.89	74	59.02	44.52	-0.42	56.01	-	-	P	H
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Emission below 1GHz

WIFI 802.11a (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.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		53.58	26.98	-13.02	40	45.66	12.81	0.96	32.45	-	-	P	H
		87.96	26.42	-13.58	40	43.1	14.48	1.25	32.41	-	-	P	H
		191.28	20.47	-23.03	43.5	36.07	14.95	1.84	32.39	-	-	P	H
		417.77	23.3	-22.7	46	30.65	22.6	2.45	32.4	-	-	P	H
		561.55	26.93	-19.07	46	30.37	26.1	2.9	32.44	-	-	P	H
		898.09	33.55	-12.45	46	32.63	28.78	3.61	31.47	-	-	P	H
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		52.68	32.64	-7.36	40	51	13.14	0.95	32.45	-	-	P	V
		95.52	24.24	-19.26	43.5	39.99	15.38	1.29	32.42	-	-	P	V
		168.06	20.91	-22.59	43.5	35.69	15.89	1.73	32.4	-	-	P	V
		420.14	22.94	-23.06	46	30.15	22.73	2.46	32.4	-	-	P	V
		721.92	28.63	-17.37	46	30.74	26.96	3.21	32.28	-	-	P	V
		866.49	32.2	-13.8	46	31.35	29.02	3.52	31.69	-	-	P	V
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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.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5646.6	54.85	-13.35	68.2	49.47	33.23	8.71	36.56	101	245	P	H
		5693.4	66.3	-34.03	100.33	60.64	33.47	8.75	36.56	101	245	P	H
		5720	78.68	-32.12	110.8	72.86	33.6	8.77	36.55	101	245	P	H
		5721	83.59	-29.49	113.08	77.77	33.6	8.77	36.55	101	245	P	H
	*	5745	109.97	-	-	104.01	33.72	8.79	36.55	101	245	P	H
	*	5745	104.22	-	-	98.26	33.72	8.79	36.55	101	245	A	H
													H
													H
		5647.6	50.47	-17.73	68.2	45.08	33.24	8.71	36.56	321	261	P	V
		5696	65.67	-36.58	102.25	60	33.48	8.75	36.56	321	261	P	V
		5718.2	78.44	-31.86	110.3	72.63	33.59	8.77	36.55	321	261	P	V
		5723	81.9	-35.74	117.64	76.06	33.62	8.77	36.55	321	261	P	V
	*	5745	109.94	-	-	103.98	33.72	8.79	36.55	321	261	P	V
	*	5745	104.66	-	-	98.7	33.72	8.79	36.55	321	261	A	V
													V
													V



WIFI Ant. 3+4	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 157 5785MHz		5643	47.5	-20.7	68.2	42.13	33.22	8.71	36.56	100	276	P	H
		5700	54.92	-50.28	105.2	49.22	33.5	8.76	36.56	100	276	P	H
		5718.8	59.67	-50.79	110.46	53.86	33.59	8.77	36.55	100	276	P	H
		5722.6	61.96	-54.77	116.73	56.13	33.61	8.77	36.55	100	276	P	H
	*	5785	110.19	-	-	103.99	33.92	8.83	36.55	100	276	P	H
	*	5785	103.95	-	-	97.75	33.92	8.83	36.55	100	276	A	H
		5851.19	58.89	-60.6	119.49	52.46	34.1	8.87	36.54	100	276	P	H
		5856.725	58.65	-51.67	110.32	52.21	34.11	8.87	36.54	100	276	P	H
		5874.97	56.01	-49.2	105.21	49.52	34.15	8.88	36.54	100	276	P	H
		5926.22	48.08	-20.12	68.2	41.54	34.15	8.92	36.53	100	276	P	H
													H
													H
		5638.8	46.76	-21.44	68.2	41.43	33.19	8.7	36.56	334	260	P	V
		5697	51.7	-51.29	102.99	46.02	33.49	8.75	36.56	334	260	P	V
		5718.8	57.59	-52.87	110.46	51.78	33.59	8.77	36.55	334	260	P	V
		5723.4	59.16	-59.39	118.55	53.32	33.62	8.77	36.55	334	260	P	V
	*	5785	109.82	-	-	103.62	33.92	8.83	36.55	334	260	P	V
	*	5785	104.56	-	-	98.36	33.92	8.83	36.55	334	260	A	V
		5849.96	57.48	-76.72	134.2	51.05	34.1	8.87	36.54	334	260	P	V
		5865.335	56.47	-51.43	107.9	50	34.13	8.88	36.54	334	260	P	V
		5875.38	53.51	-51.41	104.92	47	34.15	8.89	36.53	334	260	P	V
		5926.425	48.1	-20.1	68.2	41.56	34.15	8.92	36.53	334	260	P	V
													V
													V



WIFI Ant. 3+4	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	*	5825	110.47	-	-	104.1	34.05	8.86	36.54	102	276	P	H
	*	5825	104	-	-	97.63	34.05	8.86	36.54	102	276	A	H
		5851.6	82.74	-35.81	118.55	76.31	34.1	8.87	36.54	102	276	P	H
		5856.4	78.68	-31.73	110.41	72.24	34.11	8.87	36.54	102	276	P	H
		5876.8	66.05	-37.81	103.86	59.54	34.15	8.89	36.53	102	276	P	H
		5928.6	53.64	-14.56	68.2	47.11	34.14	8.92	36.53	102	276	P	H
													H
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	*	5825	111.81	-	-	105.44	34.05	8.86	36.54	314	260	P	V
	*	5825	105.07	-	-	98.7	34.05	8.86	36.54	314	260	A	V
		5851.4	80.27	-38.74	119.01	73.84	34.1	8.87	36.54	314	260	P	V
		5855.4	76.2	-34.49	110.69	69.76	34.11	8.87	36.54	314	260	P	V
		5875.6	66.1	-38.65	104.75	59.59	34.15	8.89	36.53	314	260	P	V
		5925.8	52.15	-16.05	68.2	45.61	34.15	8.92	36.53	314	260	P	V
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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. 3+4	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 149 5745MHz		11490	47.56	-26.44	74	52.61	38.95	13.11	57.11	-	-	P	H
		17235	49.89	-18.31	68.2	52.98	38.62	16.25	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.27	-26.73	74	52.32	38.95	13.11	57.11	-	-	P	V
		11490	38.88	-15.12	54	43.93	38.95	13.11	57.11	-	-	A	V
		17235	49.98	-18.22	68.2	53.07	38.62	16.25	57.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 3+4	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 157 5785MHz		11570	47.34	-26.66	74	52.28	38.97	13.15	57.06	-	-	P	H
		17355	49.67	-18.53	68.2	52.21	39.08	16.27	57.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.96	-26.04	74	52.9	38.97	13.15	57.06	-	-	P	V
		17355	50.63	-17.57	68.2	53.17	39.08	16.27	57.89	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 3+4	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	47.32	-26.68	74	52.16	38.99	13.18	57.01	-	-	P	H
		17475	53.65	-14.55	68.2	55.61	39.55	16.3	57.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	47.9	-26.1	74	52.74	38.99	13.18	57.01	-	-	P	V
		17475	52.91	-15.29	68.2	54.87	39.55	16.3	57.81	-	-	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 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5634.6	45.56	-22.64	68.2	40.25	33.17	8.7	36.56	100	238	P	H
		5698	52.93	-50.8	103.73	47.25	33.49	8.75	36.56	100	238	P	H
		5718	62.15	-48.09	110.24	56.34	33.59	8.77	36.55	100	238	P	H
		5725	73.39	-48.81	122.2	67.54	33.62	8.78	36.55	100	238	P	H
	*	5745	106.05	-	-	100.09	33.72	8.79	36.55	100	238	P	H
	*	5745	100.54	-	-	94.58	33.72	8.79	36.55	100	238	A	H
													H
													H
		5622.2	46.8	-21.4	68.2	41.57	33.11	8.69	36.57	321	262	P	V
		5699.4	51.86	-52.9	104.76	46.17	33.5	8.75	36.56	321	262	P	V
		5718.6	62.05	-48.36	110.41	56.24	33.59	8.77	36.55	321	262	P	V
		5723.8	68.63	-50.83	119.46	62.78	33.62	8.78	36.55	321	262	P	V
	*	5745	106.09	-	-	100.13	33.72	8.79	36.55	321	262	P	V
	*	5745	100.45	-	-	94.49	33.72	8.79	36.55	321	262	A	V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5625.8	46	-22.2	68.2	40.74	33.13	8.69	36.56	100	276	P	H
		5670.2	45.03	-38.16	83.19	39.51	33.35	8.73	36.56	100	276	P	H
		5714.4	45.81	-63.42	109.23	40.02	33.57	8.77	36.55	100	276	P	H
		5722.6	45.99	-70.74	116.73	40.16	33.61	8.77	36.55	100	276	P	H
	*	5785	106.07	-	-	99.87	33.92	8.83	36.55	100	276	P	H
	*	5785	99.77	-	-	93.57	33.92	8.83	36.55	100	276	A	H
		5850.37	51.01	-70.35	121.36	44.58	34.1	8.87	36.54	100	276	P	H
		5864.72	47.39	-60.69	108.08	40.92	34.13	8.88	36.54	100	276	P	H
		5909.82	48.23	-31.17	79.4	41.67	34.18	8.91	36.53	100	276	P	H
		5938.11	47.88	-20.32	68.2	41.37	34.12	8.92	36.53	100	276	P	H
													H
													H
		5647.2	45.1	-23.1	68.2	39.71	33.24	8.71	36.56	300	260	P	V
		5689.8	45.75	-51.93	97.68	40.11	33.45	8.75	36.56	300	260	P	V
		5700.2	45.88	-59.38	105.26	40.18	33.5	8.76	36.56	300	260	P	V
		5724.2	47.44	-72.94	120.38	41.59	33.62	8.78	36.55	300	260	P	V
	*	5785	106.82	-	-	100.62	33.92	8.83	36.55	300	260	P	V
	*	5785	100.26	-	-	94.06	33.92	8.83	36.55	300	260	A	V
		5851.6	48.8	-69.75	118.55	42.37	34.1	8.87	36.54	300	260	P	V
		5859.595	47.82	-61.69	109.51	41.36	34.12	8.88	36.54	300	260	P	V
		5920.48	47.33	-24.2	71.53	40.79	34.16	8.91	36.53	300	260	P	V
		5944.465	47.21	-20.99	68.2	40.7	34.11	8.93	36.53	300	260	P	V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz	*	5825	105.06	-	-	98.69	34.05	8.86	36.54	100	277	P	H
	*	5825	98.71	-	-	92.34	34.05	8.86	36.54	100	277	A	H
		5852.2	62.59	-54.59	117.18	56.16	34.1	8.87	36.54	100	277	P	H
		5857	57.98	-52.26	110.24	51.54	34.11	8.87	36.54	100	277	P	H
		5878	49.58	-53.39	102.97	43.06	34.16	8.89	36.53	100	277	P	H
		5949.4	48.52	-19.68	68.2	42.02	34.1	8.93	36.53	100	277	P	H
													H
													H
	*	5825	106.48	-	-	100.11	34.05	8.86	36.54	313	262	P	V
	*	5825	100.59	-	-	94.22	34.05	8.86	36.54	313	262	A	V
		5853.2	63.74	-51.16	114.9	57.3	34.11	8.87	36.54	313	262	P	V
		5855	60.92	-49.88	110.8	54.48	34.11	8.87	36.54	313	262	P	V
		5875	53.47	-51.73	105.2	46.96	34.15	8.89	36.53	313	262	P	V
		5928.2	48.55	-19.65	68.2	42.02	34.14	8.92	36.53	313	262	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	47.86	-26.14	74	52.91	38.95	13.11	57.11	-	-	P	H
		17235	50.45	-17.75	68.2	53.54	38.62	16.25	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.88	-26.12	74	52.93	38.95	13.11	57.11	-	-	P	V
		17235	49.98	-18.22	68.2	53.07	38.62	16.25	57.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		11570	47.95	-26.05	74	52.89	38.97	13.15	57.06	-	-	P	H
		17355	49.95	-18.25	68.2	52.49	39.08	16.27	57.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.91	-26.09	74	52.85	38.97	13.15	57.06	-	-	P	V
		17355	50.28	-17.92	68.2	52.82	39.08	16.27	57.89	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]


Band 4 5725~5850MHz
WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant. 3+4	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		5609.8	47.69	-20.51	68.2	42.53	33.05	8.68	36.57	100	238	P	H
		5696.8	49.77	-53.07	102.84	44.1	33.48	8.75	36.56	100	238	P	H
		5719.2	57.73	-52.85	110.58	51.91	33.6	8.77	36.55	100	238	P	H
		5721.2	59.08	-54.46	113.54	53.25	33.61	8.77	36.55	100	238	P	H
	*	5745	107.96	-	-	102	33.72	8.79	36.55	100	238	P	H
	*	5745	100.34	-	-	94.38	33.72	8.79	36.55	100	238	A	H
													H
													H
		5648.6	46.85	-21.35	68.2	41.46	33.24	8.71	36.56	325	252	P	V
		5697.2	49.43	-53.71	103.14	43.75	33.49	8.75	36.56	325	252	P	V
		5719.8	59.09	-51.65	110.74	53.27	33.6	8.77	36.55	325	252	P	V
		5722	59.88	-55.48	115.36	54.05	33.61	8.77	36.55	325	252	P	V
	*	5745	108.48	-	-	102.52	33.72	8.79	36.55	325	252	P	V
	*	5745	100.51	-	-	94.55	33.72	8.79	36.55	325	252	A	V
													V
													V



WIFI Ant. 3+4	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	105.95	-	-	99.58	34.05	8.86	36.54	100	245	P	H
	*	5825	99.2	-	-	92.83	34.05	8.86	36.54	100	245	A	H
		5850	58.39	-63.81	122.2	51.96	34.1	8.87	36.54	100	245	P	H
		5855.4	55.59	-55.1	110.69	49.15	34.11	8.87	36.54	100	245	P	H
		5919.6	48.76	-23.42	72.18	42.22	34.16	8.91	36.53	100	245	P	H
		5949.8	48.31	-19.89	68.2	41.81	34.1	8.93	36.53	100	245	P	H
													H
													H
	*	5825	108.24	-	-	101.87	34.05	8.86	36.54	298	255	P	V
	*	5825	100.87	-	-	94.5	34.05	8.86	36.54	298	255	A	V
		5850.4	59.06	-62.23	121.29	52.63	34.1	8.87	36.54	298	255	P	V
		5856.8	56.85	-53.45	110.3	50.41	34.11	8.87	36.54	298	255	P	V
		5881	49.98	-50.76	100.74	43.46	34.16	8.89	36.53	298	255	P	V
		5937	48.28	-19.92	68.2	41.76	34.13	8.92	36.53	298	255	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5637.6	47.25	-20.95	68.2	41.92	33.19	8.7	36.56	103	243	P	H
		5697.4	52.5	-50.78	103.28	46.82	33.49	8.75	36.56	103	243	P	H
		5719.2	61.48	-49.1	110.58	55.66	33.6	8.77	36.55	103	243	P	H
		5725	65.86	-56.34	122.2	60.01	33.62	8.78	36.55	103	243	P	H
	*	5745	107.67	-	-	101.71	33.72	8.79	36.55	103	243	P	H
	*	5745	100.35	-	-	94.39	33.72	8.79	36.55	103	243	A	H
													H
													H
		5642.6	47.34	-20.86	68.2	41.98	33.21	8.71	36.56	321	258	P	V
		5700	51.83	-53.37	105.2	46.13	33.5	8.76	36.56	321	258	P	V
		5718.4	63.21	-47.14	110.35	57.4	33.59	8.77	36.55	321	258	P	V
		5723.4	63.4	-55.15	118.55	57.56	33.62	8.77	36.55	321	258	P	V
	*	5745	106.55	-	-	100.59	33.72	8.79	36.55	321	258	P	V
	*	5745	99.65	-	-	93.69	33.72	8.79	36.55	321	258	A	V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	107.09	-	-	100.72	34.05	8.86	36.54	100	248	P	H
	*	5825	99.12	-	-	92.75	34.05	8.86	36.54	100	248	A	H
		5852.6	62.02	-54.25	116.27	55.58	34.11	8.87	36.54	100	248	P	H
		5856.2	58.64	-51.82	110.46	52.2	34.11	8.87	36.54	100	248	P	H
		5877.8	49.48	-53.64	103.12	42.96	34.16	8.89	36.53	100	248	P	H
		5939	49.4	-18.8	68.2	42.89	34.12	8.92	36.53	100	248	P	H
													H
													H
	*	5825	108.14	-	-	101.77	34.05	8.86	36.54	294	253	P	V
	*	5825	101.09	-	-	94.72	34.05	8.86	36.54	294	253	A	V
		5850.4	63.52	-57.77	121.29	57.09	34.1	8.87	36.54	294	253	P	V
		5856	62.84	-47.68	110.52	56.4	34.11	8.87	36.54	294	253	P	V
		5875	50.93	-54.27	105.2	44.42	34.15	8.89	36.53	294	253	P	V
		5943.2	48.23	-19.97	68.2	41.72	34.11	8.93	36.53	294	253	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5623.4	47.47	-20.73	68.2	42.23	33.12	8.69	36.57	100	238	P	H
		5695.4	58.62	-43.19	101.81	52.95	33.48	8.75	36.56	100	238	P	H
		5719.8	67.42	-43.32	110.74	61.6	33.6	8.77	36.55	100	238	P	H
		5724.4	71.33	-49.5	120.83	65.48	33.62	8.78	36.55	100	238	P	H
	*	5745	108.42	-	-	102.46	33.72	8.79	36.55	100	238	P	H
	*	5745	100.32	-	-	94.36	33.72	8.79	36.55	100	238	A	H
													H
													H
		5624.6	48.52	-19.68	68.2	43.28	33.12	8.69	36.57	279	258	P	V
		5696	57.5	-44.75	102.25	51.83	33.48	8.75	36.56	279	258	P	V
		5716.4	68.1	-41.69	109.79	62.3	33.58	8.77	36.55	279	258	P	V
		5723.8	69.73	-49.73	119.46	63.88	33.62	8.78	36.55	279	258	P	V
	*	5745	106.7	-	-	100.74	33.72	8.79	36.55	279	258	P	V
	*	5745	98.73	-	-	92.77	33.72	8.79	36.55	279	258	A	V
													V
													V



WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	106.27	-	-	99.9	34.05	8.86	36.54	100	246	P	H
	*	5825	99.39	-	-	93.02	34.05	8.86	36.54	100	246	A	H
		5851	65.49	-54.43	119.92	59.06	34.1	8.87	36.54	100	246	P	H
		5855.6	64.45	-46.18	110.63	58.01	34.11	8.87	36.54	100	246	P	H
		5878	54.6	-48.37	102.97	48.08	34.16	8.89	36.53	100	246	P	H
		5927	49.35	-18.85	68.2	42.81	34.15	8.92	36.53	100	246	P	H
													H
													H
	*	5825	107.07	-	-	100.7	34.05	8.86	36.54	293	251	P	V
	*	5825	100.01	-	-	93.64	34.05	8.86	36.54	293	251	A	V
		5850	69.19	-53.01	122.2	62.76	34.1	8.87	36.54	293	251	P	V
		5856	64.77	-45.75	110.52	58.33	34.11	8.87	36.54	293	251	P	V
		5875.2	54.54	-50.51	105.05	48.03	34.15	8.89	36.53	293	251	P	V
		5939.6	49.24	-18.96	68.2	42.73	34.12	8.92	36.53	293	251	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. 3+4	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 151 5755MHz		5647.945	52.07	-16.13	68.2	46.68	33.24	8.71	36.56	100	278	P	H
		5695.03	64.94	-36.6	101.54	59.27	33.48	8.75	36.56	100	278	P	H
		5718.25	78.86	-31.45	110.31	73.05	33.59	8.77	36.55	100	278	P	H
		5723.625	79.78	-39.29	119.07	73.93	33.62	8.78	36.55	100	278	P	H
	*	5755	104.93	-	-	98.9	33.78	8.8	36.55	100	278	P	H
	*	5755	97.95	-	-	91.92	33.78	8.8	36.55	100	278	A	H
		5853.7	56.42	-57.34	113.76	49.98	34.11	8.87	36.54	100	278	P	H
		5857.975	56.43	-53.54	109.97	49.98	34.12	8.87	36.54	100	278	P	H
		5881.6	52.31	-47.99	100.3	45.79	34.16	8.89	36.53	100	278	P	H
		5929.75	47.75	-20.45	68.2	41.22	34.14	8.92	36.53	100	278	P	H
													H
													H
		5648.59	53.01	-15.19	68.2	47.62	33.24	8.71	36.56	275	262	P	V
		5693.31	65.04	-35.23	100.27	59.38	33.47	8.75	36.56	275	262	P	V
		5718.68	78.86	-31.57	110.43	73.05	33.59	8.77	36.55	275	262	P	V
		5721.475	82.51	-31.65	114.16	76.68	33.61	8.77	36.55	275	262	P	V
	*	5755	106.32	-	-	100.29	33.78	8.8	36.55	275	262	P	V
	*	5755	98.55	-	-	92.52	33.78	8.8	36.55	275	262	A	V
		5851.675	55.32	-63.06	118.38	48.89	34.1	8.87	36.54	275	262	P	V
		5858.65	56.83	-52.95	109.78	50.37	34.12	8.88	36.54	275	262	P	V
		5883.85	51.53	-47.1	98.63	45	34.17	8.89	36.53	275	262	P	V
		5930.65	48.43	-19.77	68.2	41.9	34.14	8.92	36.53	275	262	P	V
													V
													V



WIFI Ant. 3+4	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 159 5795MHz		5648.375	48.34	-19.86	68.2	42.95	33.24	8.71	36.56	100	275	P	H
		5699.9	53.88	-51.25	105.13	48.19	33.5	8.75	36.56	100	275	P	H
		5713.175	57.23	-51.66	108.89	51.44	33.57	8.77	36.55	100	275	P	H
		5723.075	58.35	-59.46	117.81	52.51	33.62	8.77	36.55	100	275	P	H
	*	5795	104.76	-	-	98.49	33.97	8.84	36.54	100	275	P	H
	*	5795	98.07	-	-	91.8	33.97	8.84	36.54	100	275	A	H
		5850.78	67.85	-52.57	120.42	61.42	34.1	8.87	36.54	100	275	P	H
		5855.29	67.65	-43.07	110.72	61.21	34.11	8.87	36.54	100	275	P	H
		5875.175	61.73	-43.34	105.07	55.22	34.15	8.89	36.53	100	275	P	H
		5925.81	51.97	-16.23	68.2	45.43	34.15	8.92	36.53	100	275	P	H
													H
													H
		5638.7	47.47	-20.73	68.2	42.14	33.19	8.7	36.56	300	260	P	V
		5699.675	52.97	-51.99	104.96	47.28	33.5	8.75	36.56	300	260	P	V
		5716.325	57.37	-52.4	109.77	51.57	33.58	8.77	36.55	300	260	P	V
		5721.05	59.68	-53.51	113.19	53.85	33.61	8.77	36.55	300	260	P	V
	*	5795	107.26	-	-	100.99	33.97	8.84	36.54	300	260	P	V
	*	5795	98.7	-	-	92.43	33.97	8.84	36.54	300	260	A	V
		5851.19	67.32	-52.17	119.49	60.89	34.1	8.87	36.54	300	260	P	V
		5863.49	66.94	-41.48	108.42	60.47	34.13	8.88	36.54	300	260	P	V
		5875.995	61.72	-42.74	104.46	55.21	34.15	8.89	36.53	300	260	P	V
		5929.295	50.61	-17.59	68.2	44.08	34.14	8.92	36.53	300	260	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

[illegible]

WIFI Ant. 3+4	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 159 5795MHz		11590	47.79	-26.21	74	52.7	38.98	13.16	57.05	-	-	P	H
		17385	51.95	-16.25	68.2	54.34	39.2	16.28	57.87	-	-	P	H
													H
													H
													H
													H
													H
													H
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													H
		11590	47.98	-26.02	74	52.89	38.98	13.16	57.05	-	-	P	V
		17385	52.39	-15.81	68.2	54.78	39.2	16.28	57.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5647.7	61.79	-6.41	68.2	56.4	33.24	8.71	36.56	100	275	P	H
		5697.875	73.96	-29.67	103.63	68.28	33.49	8.75	36.56	100	275	P	H
		5711.15	74.48	-33.84	108.32	68.71	33.56	8.76	36.55	100	275	P	H
		5720.6	76	-36.17	112.17	70.18	33.6	8.77	36.55	100	275	P	H
	*	5775	102.29	-	-	96.14	33.88	8.82	36.55	100	275	P	H
	*	5775	95.3	-	-	89.15	33.88	8.82	36.55	100	275	A	H
		5850.325	75.98	-45.48	121.46	69.55	34.1	8.87	36.54	100	275	P	H
		5871.25	73.72	-32.53	106.25	67.24	34.14	8.88	36.54	100	275	P	H
		5875.75	67.98	-36.66	104.64	61.47	34.15	8.89	36.53	100	275	P	H
		5936.05	60.03	-8.17	68.2	53.51	34.13	8.92	36.53	100	275	P	H
													H
													H
		5647.7	60.25	-7.95	68.2	54.86	33.24	8.71	36.56	300	259	P	V
		5692.025	72.83	-26.49	99.32	67.18	33.46	8.75	36.56	300	259	P	V
		5713.4	75.23	-33.72	108.95	69.44	33.57	8.77	36.55	300	259	P	V
		5723.075	76.52	-41.29	117.81	70.68	33.62	8.77	36.55	300	259	P	V
	*	5775	103.13	-	-	96.98	33.88	8.82	36.55	300	259	P	V
	*	5775	95.9	-	-	89.75	33.88	8.82	36.55	300	259	A	V
		5853.025	76.25	-39.05	115.3	69.81	34.11	8.87	36.54	300	259	P	V
		5858.2	75.52	-34.38	109.9	69.07	34.12	8.87	36.54	300	259	P	V
		5876.65	71.23	-32.74	103.97	64.72	34.15	8.89	36.53	300	259	P	V
		5928.175	61.31	-6.89	68.2	54.78	34.14	8.92	36.53	300	259	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												