FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC78A1**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**TC78A1**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jul. 15, 2022 and testing was performed from Aug. 08, 2022 to Oct. 11, 2022. 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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Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Product Specification of Equipment Under Test 9
1.3 Modification of EUT 11
1.4 Testing Location 12
1.5 Applicable Standards 12
2 Test Configuration of Equipment Under Test **13**
2.1 Carrier Frequency and Channel 13
2.2 Test Mode 15
2.3 Connection Diagram of Test System 19
2.4 Support Unit used in test configuration and system 20
2.5 EUT Operation Test Setup 20
2.6 Measurement Results Explanation Example 20
3 Test Result **21**
3.1 26dB & 99% Occupied Bandwidth Measurement 21
3.2 Maximum Conducted Output Power Measurement 27
3.3 Power Spectral Density Measurement 30
3.4 Unwanted Emissions Measurement 41
3.5 AC Conducted Emission Measurement 48
3.6 Antenna Requirements 50
4 List of Measuring Equipment **51**
5 Uncertainty of Evaluation **52**
Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission
Appendix D. Radiated Spurious Emission Plots
Appendix E. Duty Cycle Plots
Appendix F. Setup Photographs

History of this test report

Report No.	Version	Description	Issue Date
FR271554E	01	Initial issue of report	Oct. 21, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.23 dB under the limit at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	18.92 dB under the limit at 0.182 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

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

Reviewed by: Wei Chen

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC78A1
FCC ID	UZ7TC78A1
Sample 1	SE5500 + Premium config
Sample 2	SE4770 + Base config
Sample 3	SE5500 + Base config
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV2
SW Version	athena_A11_userdebug_GMS_RelKey_2022-07-14-1733_product_SE
FW Version	FUSION_QA_4_1.2.0.001_R
MFD	11JUN22
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1X	**Brand Name**	Zebra	**Part Number**	BT-000442-0020
Battery 1.5X	**Brand Name**	Zebra	**Part Number**	BT-000442-0820
Wireless Battery	**Brand Name**	Zebra	**Part Number**	BT-000442-002A
USB TYPE A to TYPE C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
USB TYPE C to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
USB TYPE C Earphone	**Brand Name**	Zebra	**Part Number**	HPST-USBC-PTT1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-NGTC5-ELEC-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	**Brand Name**	Zebra	**Part Number**	SG-NGTC5EXO1-01

1.1.1 Antenna Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

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

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

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

	Ant 9 (dBi)	Ant 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.83	1.02	3.83	5.55	0.00	0.00
Band II	3.83	1.47	3.83	5.74	0.00	0.00
Band III	3.11	1.43	3.11	5.32	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT9}= 3.83dBi; G_{ANT8}=1.02dBi

Directional gain of power measurement = max(3.83, 1.02) + 0 = 3.83 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.83 dBi / 20) + 10^ (1.02 dBi / 20)] ^ 2 } / 2 }

= 5.55 dBi

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

<TXBF Modes>

The EUT supports beamforming modes , then

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

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

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

	Ant 9 (dBi)	Ant 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.83	1.02	5.55	5.55	0.00	0.00
Band II	3.83	1.47	5.74	5.74	0.00	0.00
Band III	3.11	1.43	5.32	5.32	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (3.83 dBi / 20) + 10^ (1.02 dBi / 20)] ^ 2 } / 2 }

= 5.55 dBi

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

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 9+8>** 802.11a: 19.31 dBm / 0.0853 W 802.11n HT20: 19.26 dBm / 0.0843 W 802.11n HT40: 19.26 dBm / 0.0843 W 802.11ac VHT20: 19.26 dBm / 0.0843 W 802.11ac VHT40: 19.26 dBm / 0.0843 W 802.11ac VHT80: 16.42 dBm / 0.0439 W 802.11ac VHT160: 15.42 dBm / 0.0348 W 802.11ax HE20: 19.36 dBm / 0.0863 W 802.11ax HE40: 19.36 dBm / 0.0863 W 802.11ax HE80: 16.52 dBm / 0.0449 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 9+8>** 802.11a: 19.16 dBm / 0.0824 W 802.11n HT20: 19.02 dBm / 0.0798 W 802.11n HT40: 19.11 dBm / 0.0815 W 802.11ac VHT20: 19.02 dBm / 0.0798 W 802.11ac VHT40: 19.11 dBm / 0.0815 W 802.11ac VHT80: 15.97 dBm / 0.0395 W 802.11ax HE20: 19.12 dBm / 0.0817 W 802.11ax HE40: 19.21dBm / 0.0834 W 802.11ax HE80: 16.07 dBm / 0.0405 W 802.11ax HE160: 15.52 dBm / 0.0356 W **<5500 MHz ~ 5720 MHz** **MIMO <Ant. 9+8>** 802.11a: 18.82 dBm / 0.0762 W 802.11n HT20: 18.57 dBm / 0.0719 W 802.11n HT40: 18.67 dBm / 0.0736 W 802.11ac VHT20: 18.57 dBm / 0.0719 W 802.11ac VHT40: 18.67 dBm / 0.0736 W 802.11ac VHT80: 17.77 dBm / 0.0598 W 802.11ac VHT160: 15.82 dBm / 0.0382 W 802.11ax HE20: 18.67 dBm / 0.0736 W 802.11ax HE40: 18.77 dBm / 0.0753 W 802.11ax HE80: 17.87 dBm / 0.0612 W 802.11ax HE160: 15.92 dBm / 0.0391 W

Product Specification is subject to this standard	
Maximum Output Power to Antenna <TXBF Mode>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 9+8>** 802.11ax HE20: 19.22 dBm / 0.0836 W 802.11ax HE40: 18.51 dBm / 0.0710 W 802.11ax HE80: 16.36 dBm / 0.0433 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 9+8>** 802.11ax HE20: 19.11 dBm / 0.0815 W 802.11ax HE40: 19.16 dBm / 0.0824 W 802.11ax HE80: 15.33 dBm / 0.0341W 802.11ax HE160: 15.31dBm / 0.0340 W **<5500 MHz ~ 5720 MHz** **MIMO <Ant. 9+8>** 802.11ax HE20: 18.17 dBm / 0.0656 W 802.11ax HE40: 18.61 dBm / 0.0726 W 802.11ax HE80: 17.32 dBm / 0.0540 W 802.11ax HE160: 15.71dBm / 0.0372 W
99% Occupied Bandwidth <CDD Mode>	**MIMO <Ant. 9>** 802.11a: 26.58 MHz 802.11ax HE20: 23.38 MHz 802.11ax HE40: 38.36 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.56MHz **MIMO <Ant. 8>** 802.11a: 32.42 MHz 802.11ax HE20: 26.42 MHz 802.11ax HE40: 38.76 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.56MHz

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Mode></td><td>MIMO <Ant. 9>
802.11ax HE20: 19.38 MHz
802.11ax HE40: 39.06 MHz
802.11ax HE80: 77.80 MHz
802.11ax HE160: 157.52 MHz
MIMO <Ant. 8>
802.11ax HE20: 19.68 MHz
802.11ax HE40: 40.26 MHz
802.11ax HE80: 77.80 MHz
802.11ax HE160: 157.76 MHz</td></tr>
<tr><td>Antenna Type</td><td>Ant. 9 : PIFA Antenna
Ant. 8 : PIFA Antenna</td></tr>
<tr><td rowspan="3">Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 9 : 3.83 dBi
Ant. 8 : 1.02 dBi</td></tr>
<tr><td><5260 MHz ~ 5320 MHz>
Ant. 9 : 3.83 dBi
Ant. 8 : 1.47 dBi</td></tr>
<tr><td><5500 MHz ~ 5720 MHz>
Ant. 9 : 3.11 dBi
Ant. 8 : 1.43 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)
802.11ax: OFDMA
(BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table>
<tr><th></th><th>Ant. 9</th><th>Ant. 8</th></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ax TXBF</td><td>V</td><td>V</td></tr>
</table></td></tr>
</table>

Remark:

1. MIMO Ant. 9+8 Directional Gain is a calculated result from MIMO Ant. 9 and MIMO Ant. 8. The formula used in calculation is documented in section 1.1.1.
2. Power of MIMO Ant. 9 + Ant. 8 is a calculated result from sum of the power MIMO Ant. 9 and MIMO Ant. 8.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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, 03CH16-HY

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

FCC designation No.: TW1190 and TW3786

1.5 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

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

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

Note:

1. The above Frequency and Channel 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.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

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

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

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

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.

CDD Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

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

TXBF Mode

Modulation	Data Rate
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	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 : WCDMA Band V Link + Bluetooth Link + WLAN (5GHz) Link + GPS Rx + USB TYPE A to TYPE C cable (Charging from AC Adapter) + Battery 1X for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 1X and Sample 1	

<CDD Mode>

<Sample 1>

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

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

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

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

BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

<Sample 2>

Ch. #		Band II：5250-5350 MHz
		802.11a
L	Low	-
M	Middle	-
H	High	64
Straddle		-

Ch. #		Band III：5470-5725MHz
		802.11ax HE40
L	Low	-
M	Middle	-
H	High	134
Straddle		-

Ch. #		Band I：5150-5250 MHz
		802.11ax HE80
L	Low	-
M	Middle	42
H	High	-
Straddle		-

<TXBF Mode>

<Sample 1>

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

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

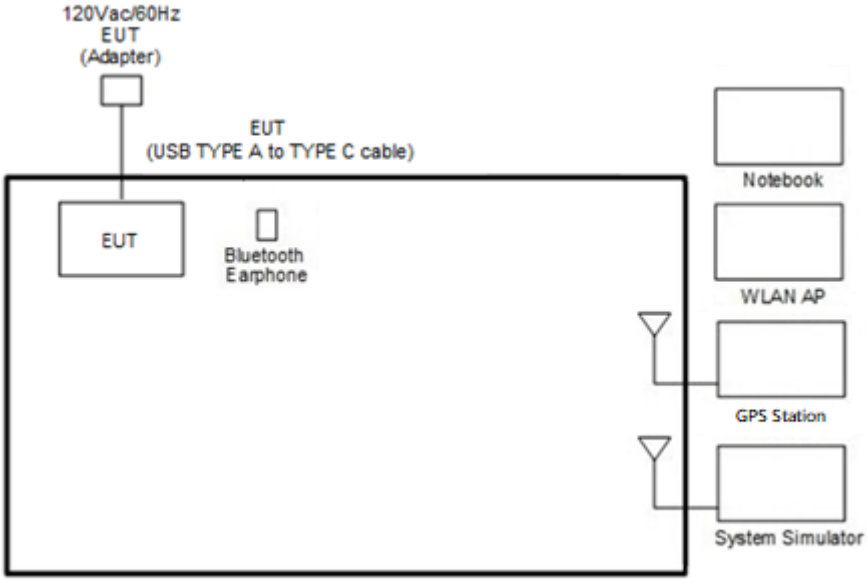
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

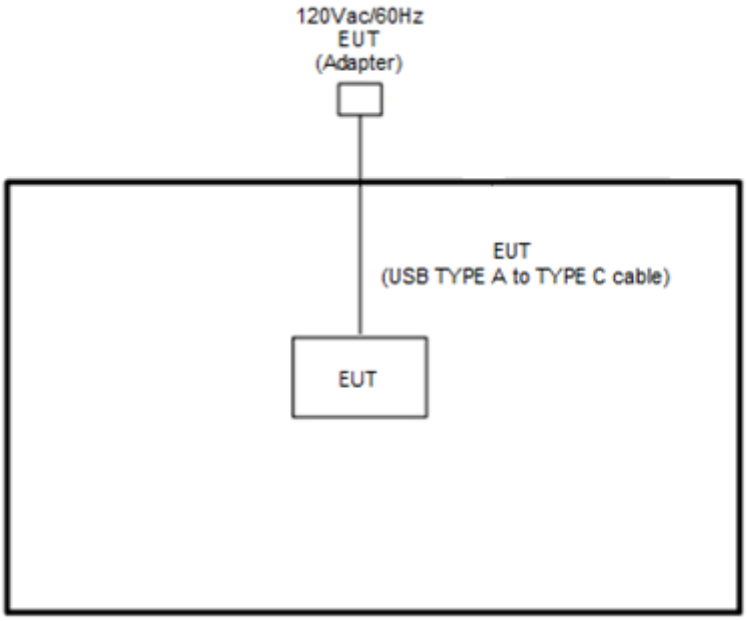
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
5.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.00197.0” was installed in EUT 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “iperf-3.1.3-win64 / Command v10.0.17134.1304” software tool was used to enable the EUT to transmit signals continuously.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

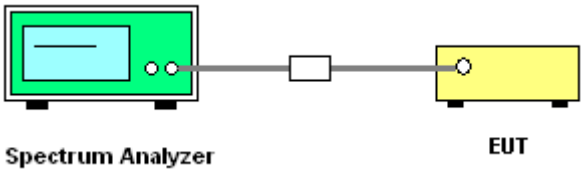
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup

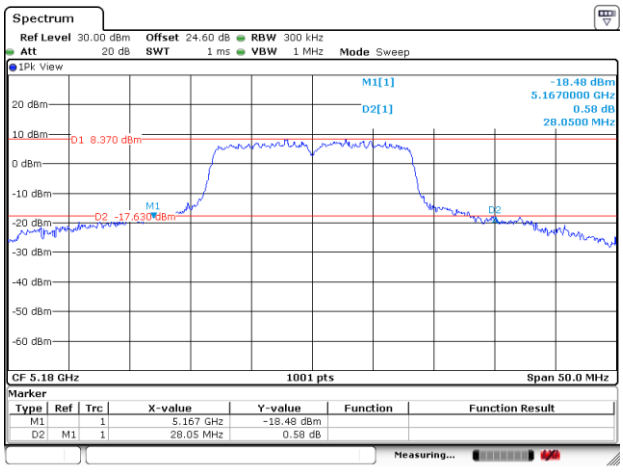
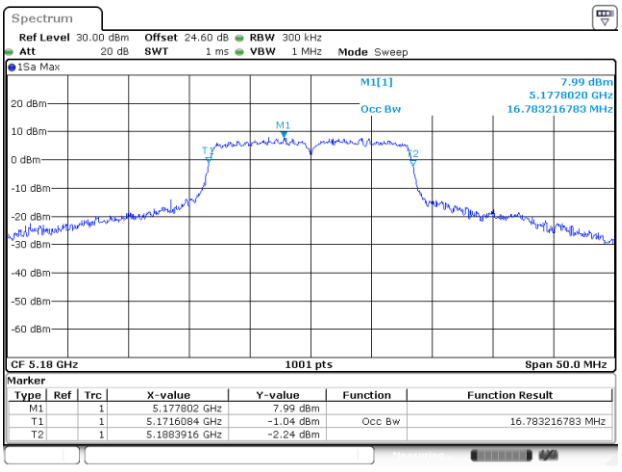


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

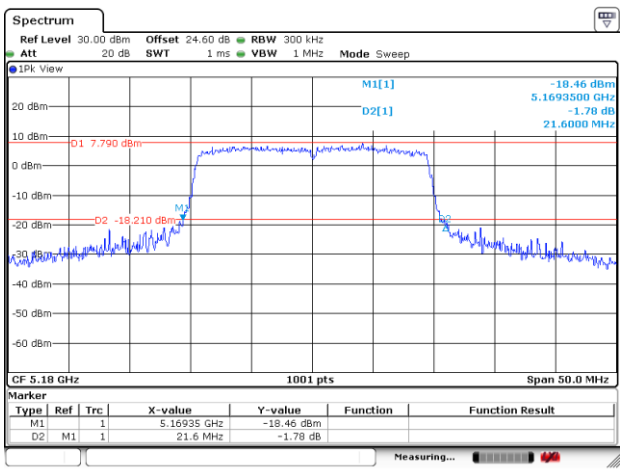
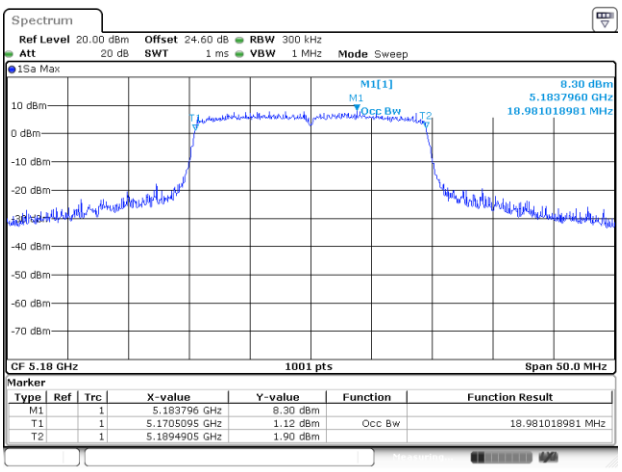
<CDD Mode>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

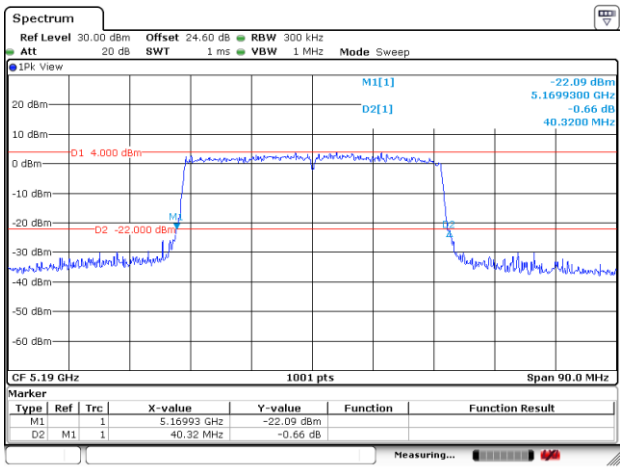
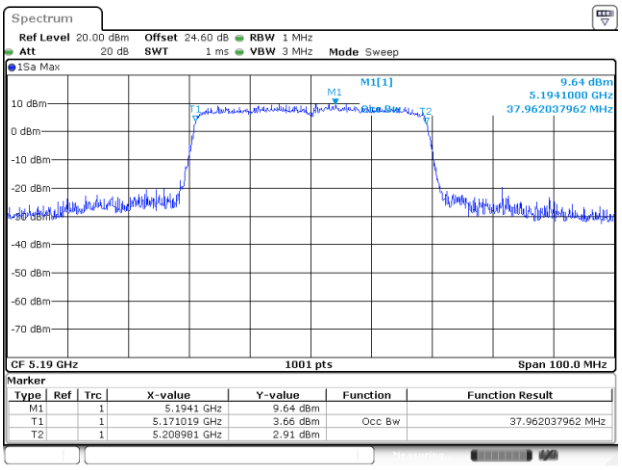
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

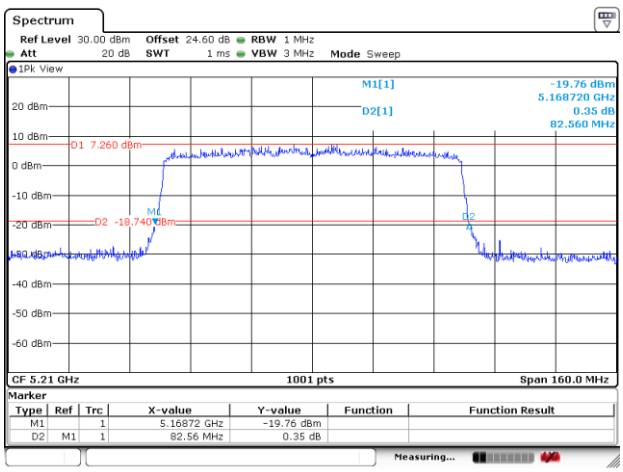
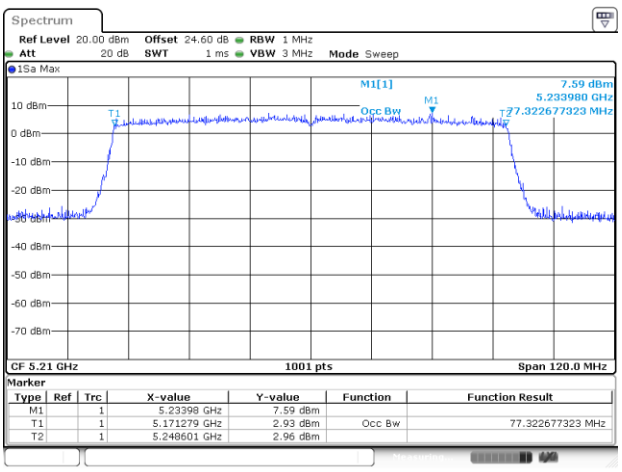
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

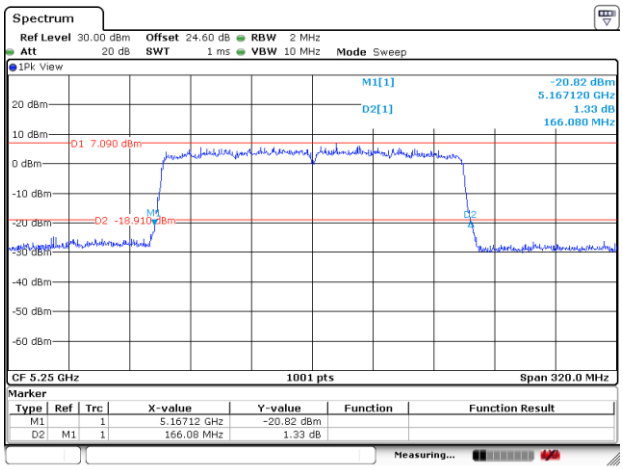
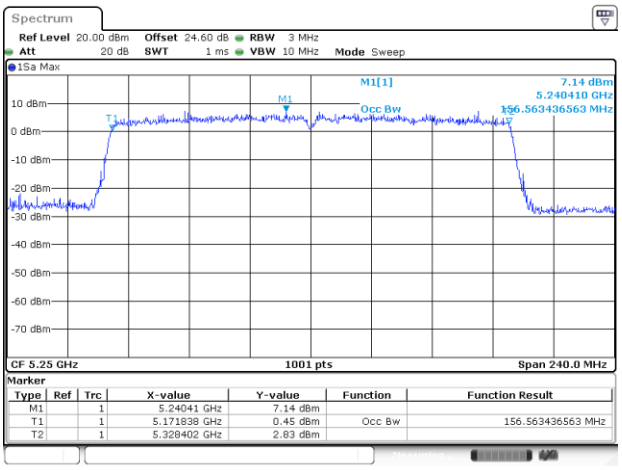
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

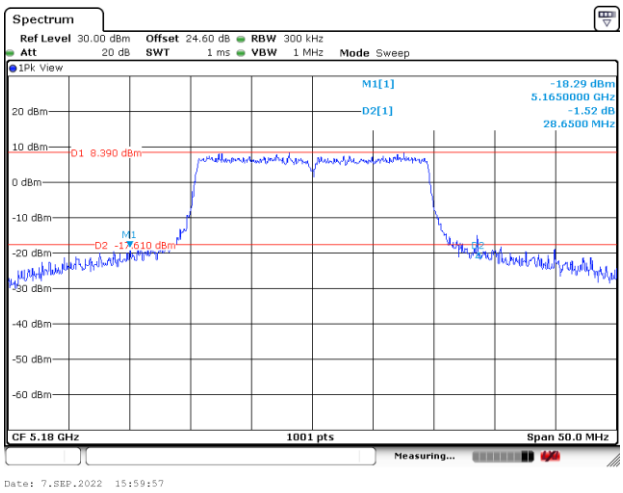
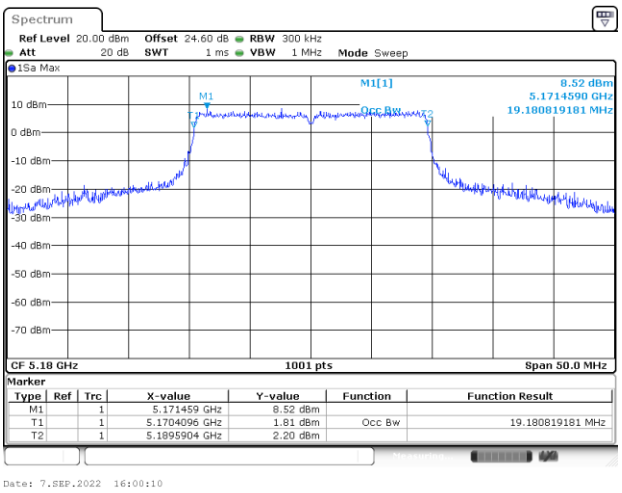
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

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

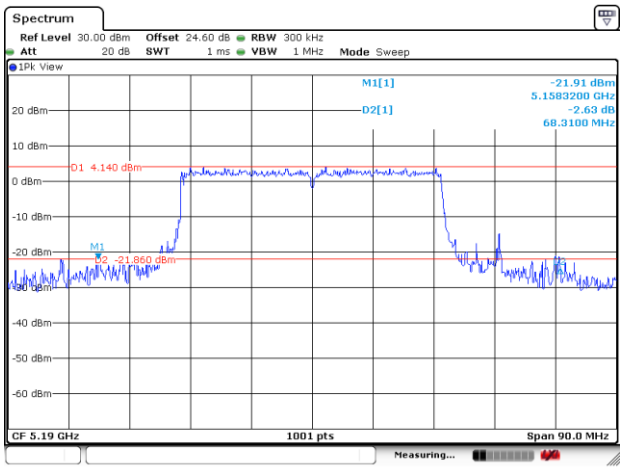
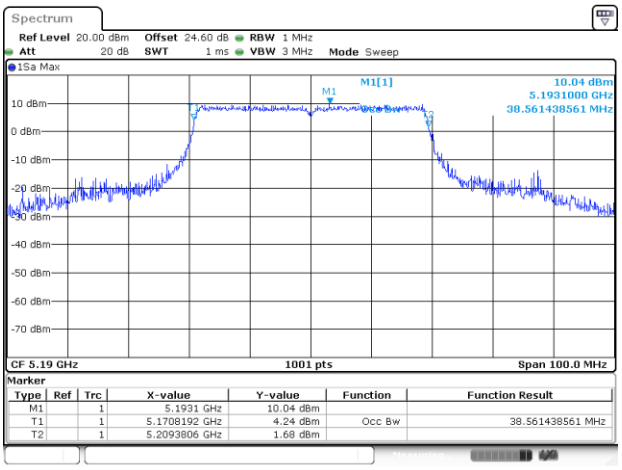
<TXBF Modes>

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

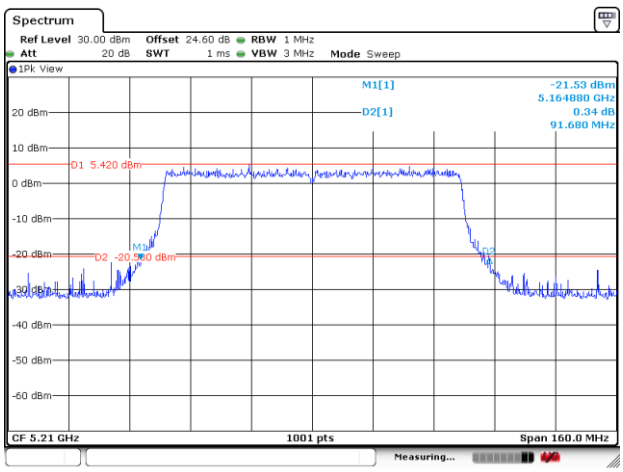
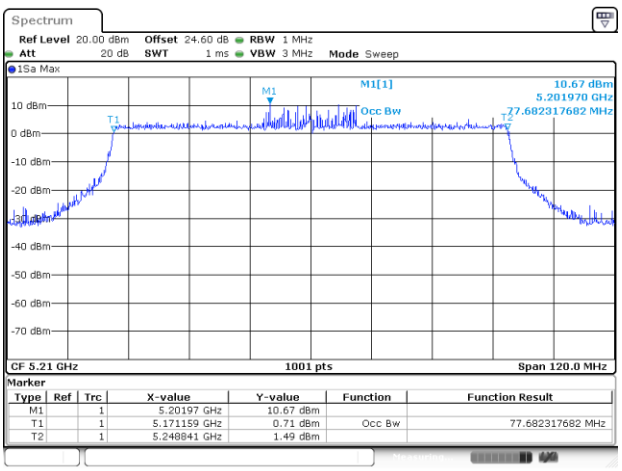
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

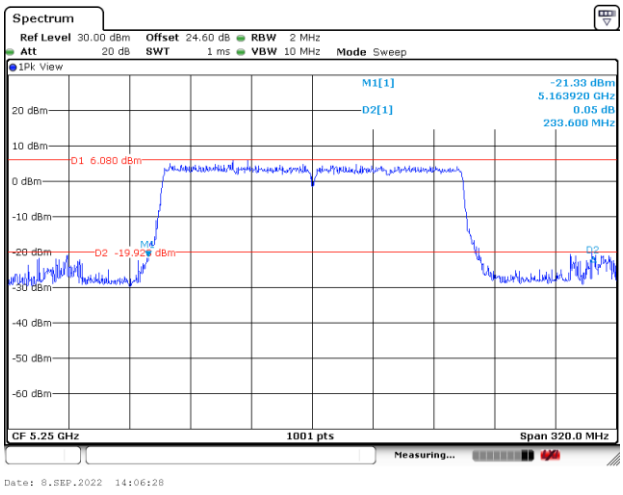
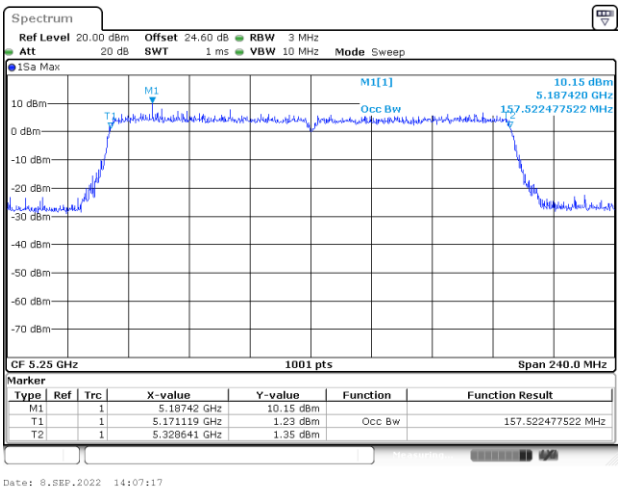
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

<CDD Modes>

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

<TXBF Modes>

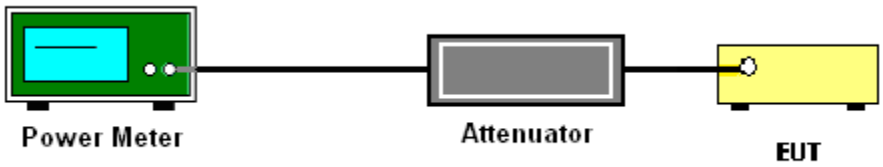
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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.

<CDD Modes>

 # Method SA-2 #

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

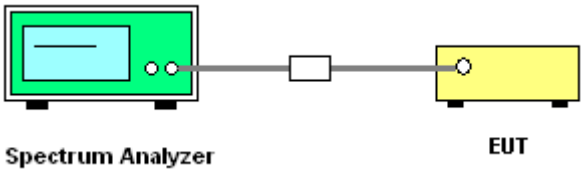
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



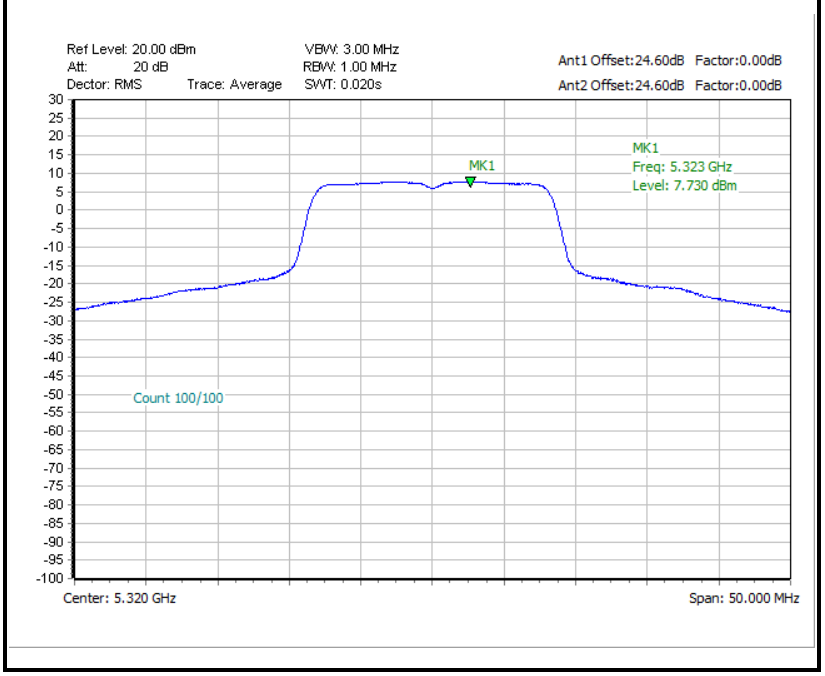
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<CDD Modes>

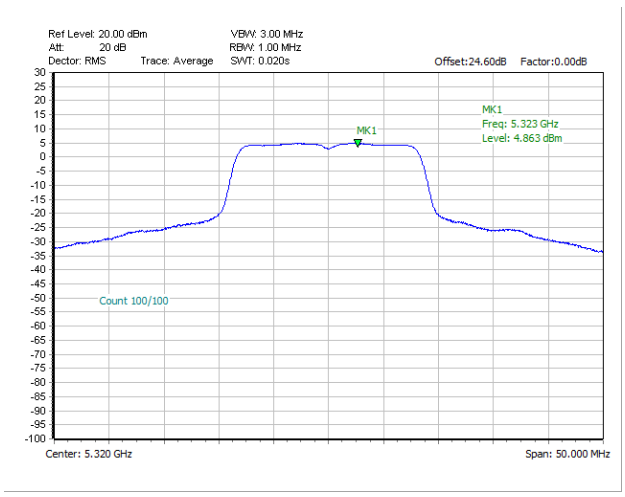
<802.11a>

Maximum Power Density Plot (dBm/MHz)

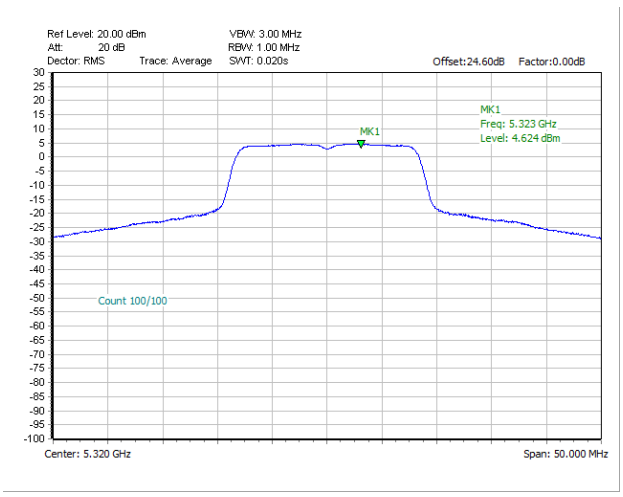


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)

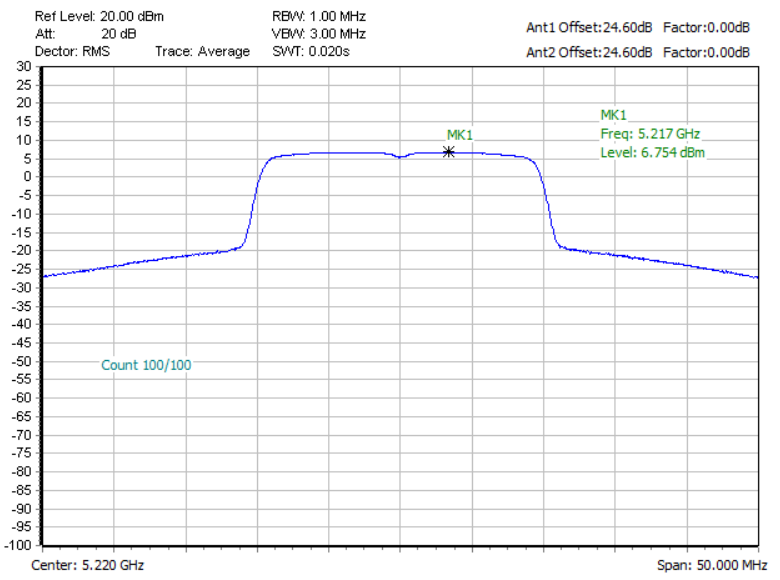


Maximum Power Density Plot Trace 2 (Ant 8)

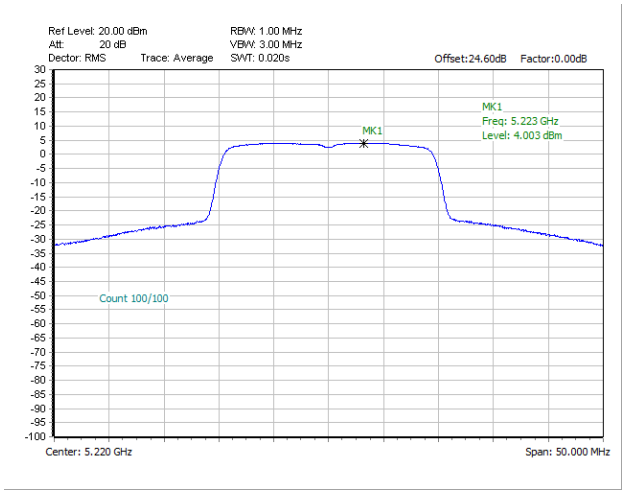
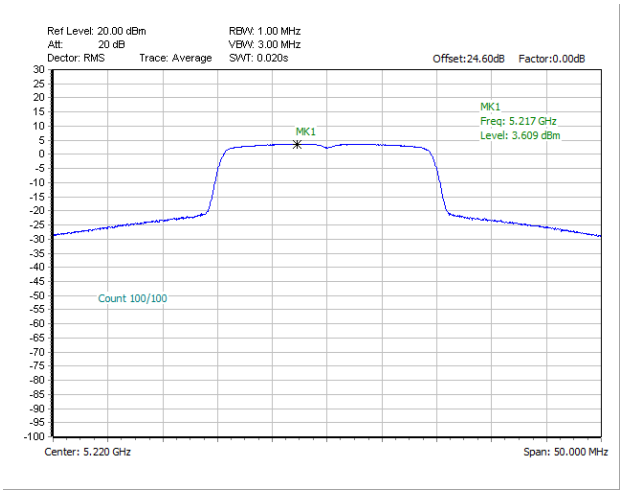


<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

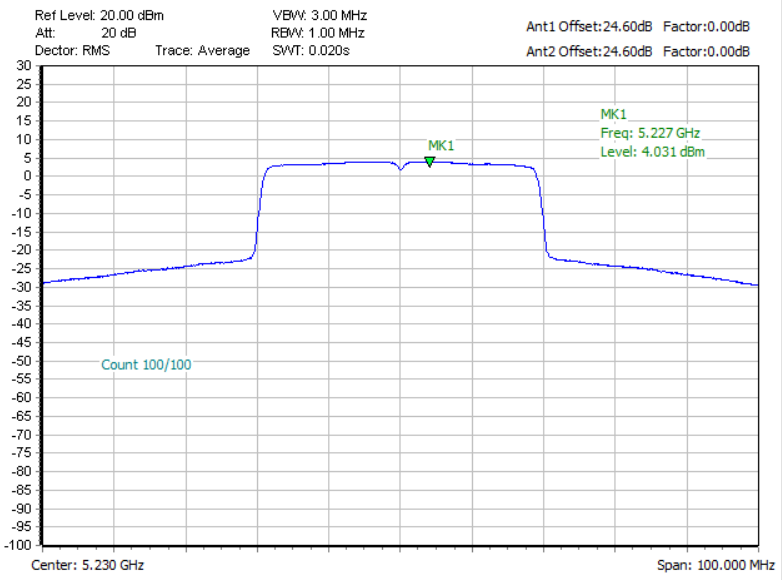


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)	Maximum Power Density Plot Trace 2 (Ant 8)
	

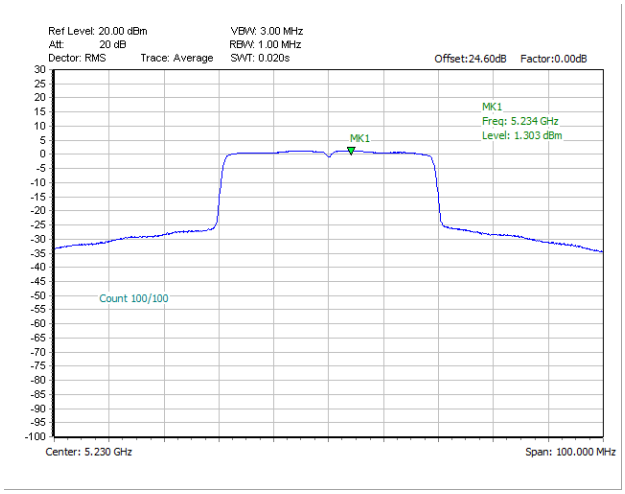
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

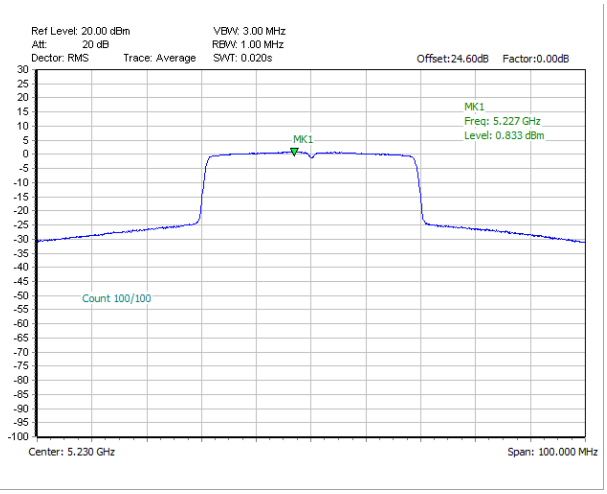


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)

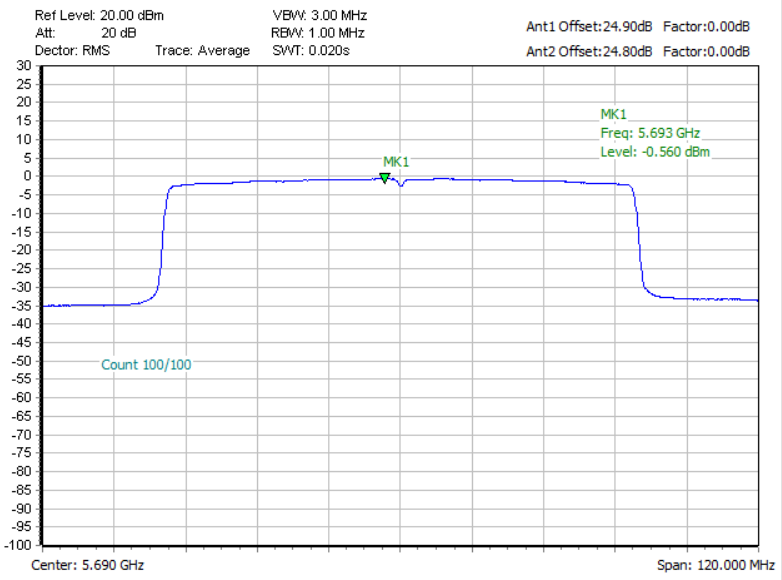


Maximum Power Density Plot Trace 2 (Ant 8)



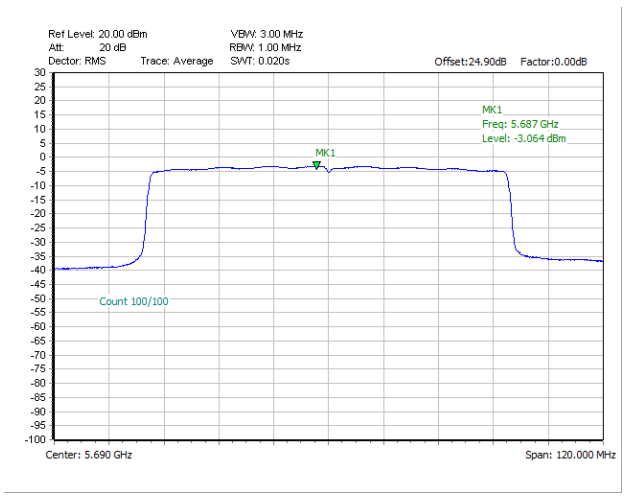
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

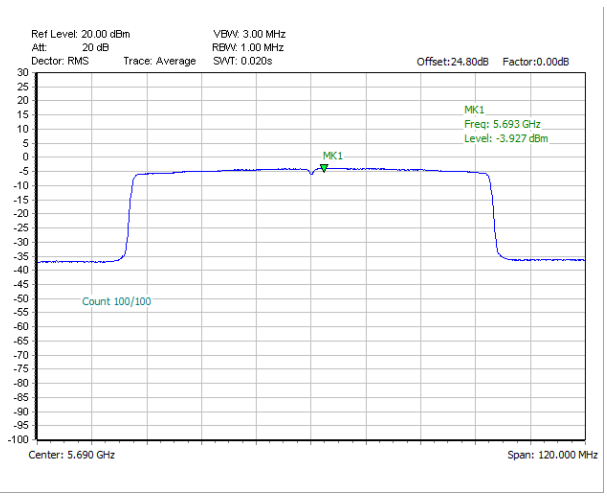


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)

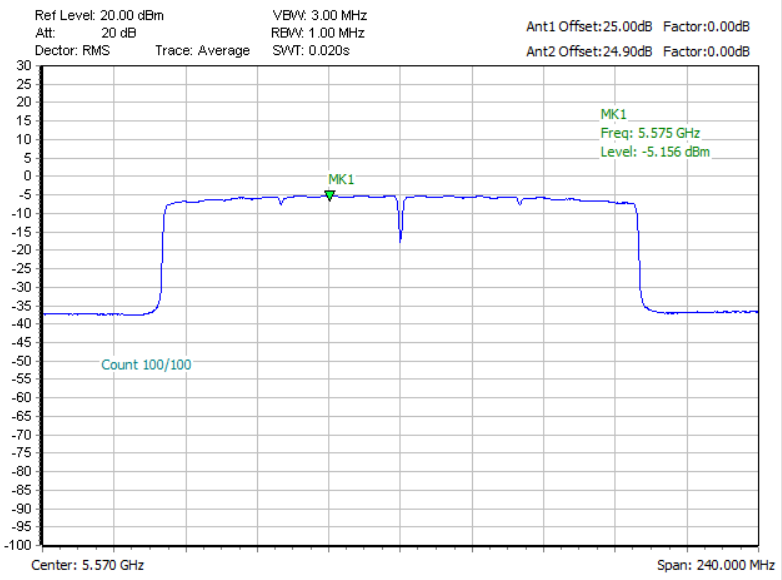


Maximum Power Density Plot Trace 2 (Ant 8)



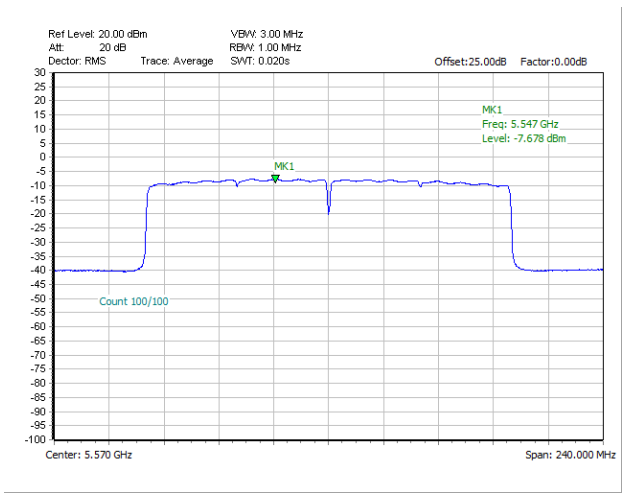
<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)

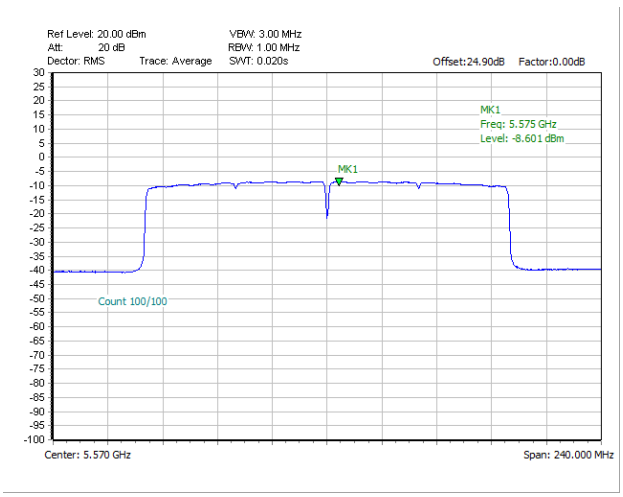


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)



Maximum Power Density Plot Trace 2 (Ant 8)

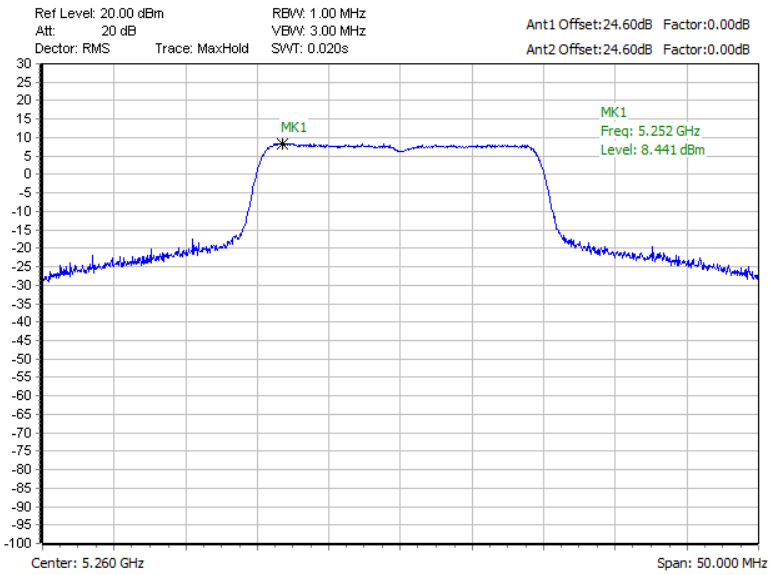


Note: Average Power Density (dB) = Measured value+ Duty Factor

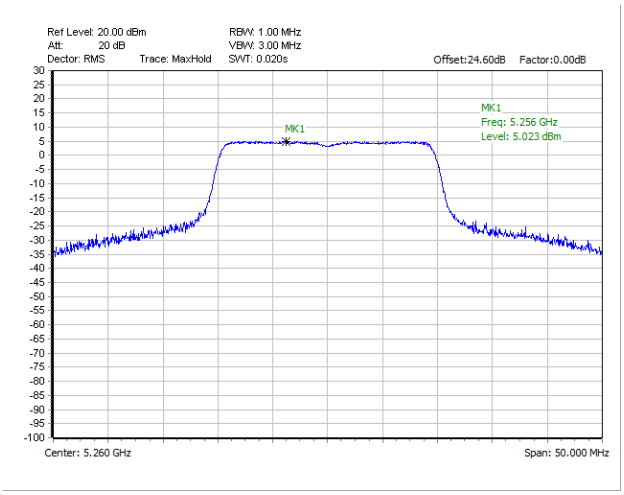
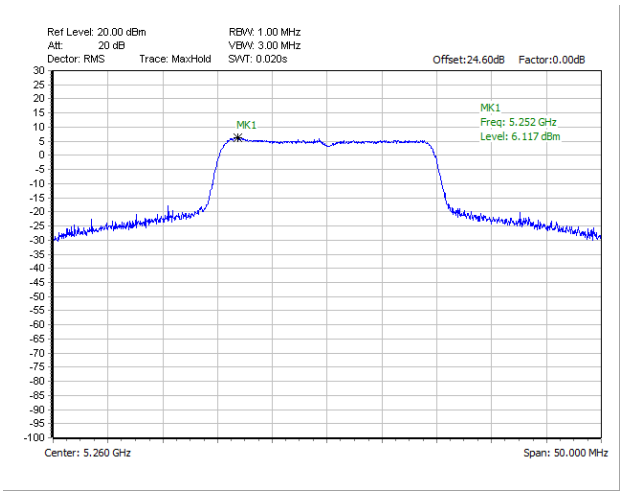
<TXBF Modes>

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

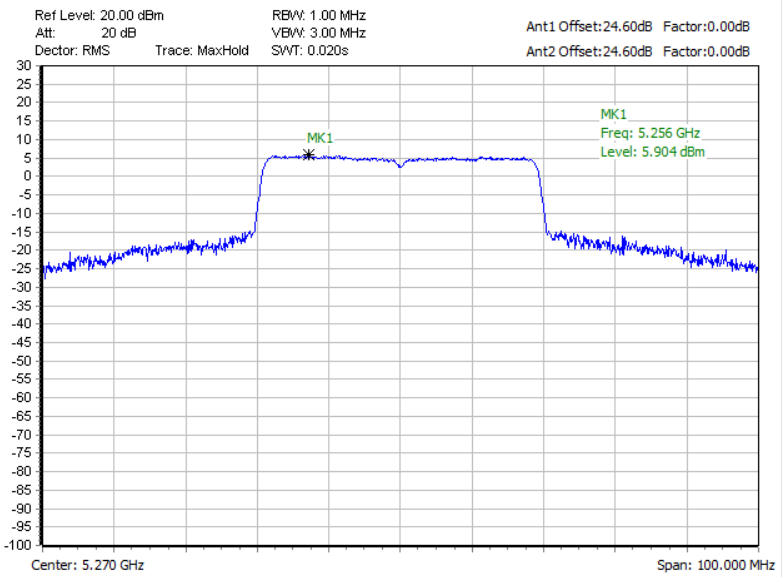


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

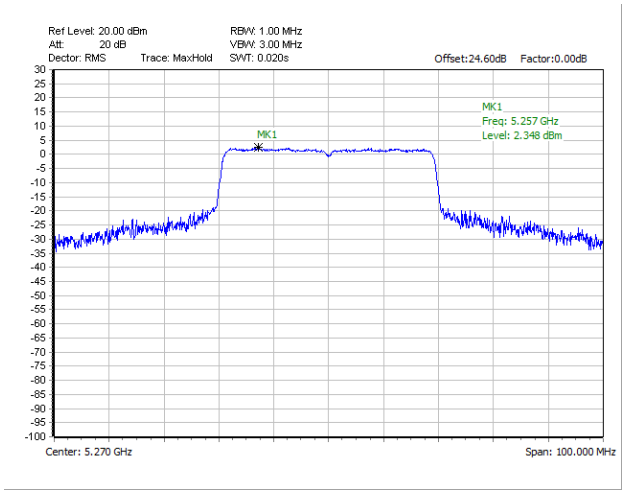
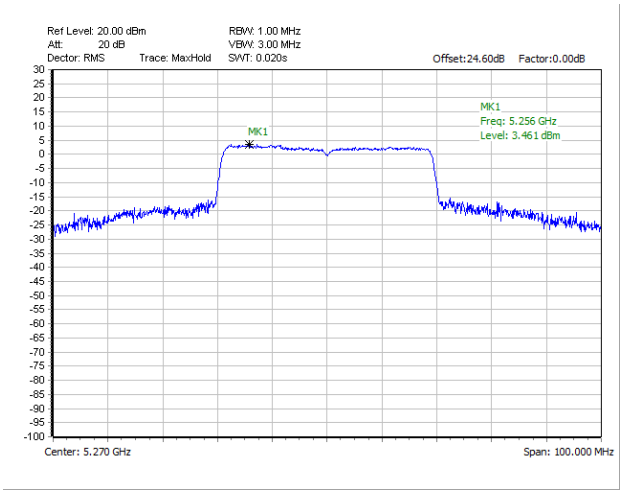
Maximum Power Density Plot Trace 1 (Ant 9)	Maximum Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

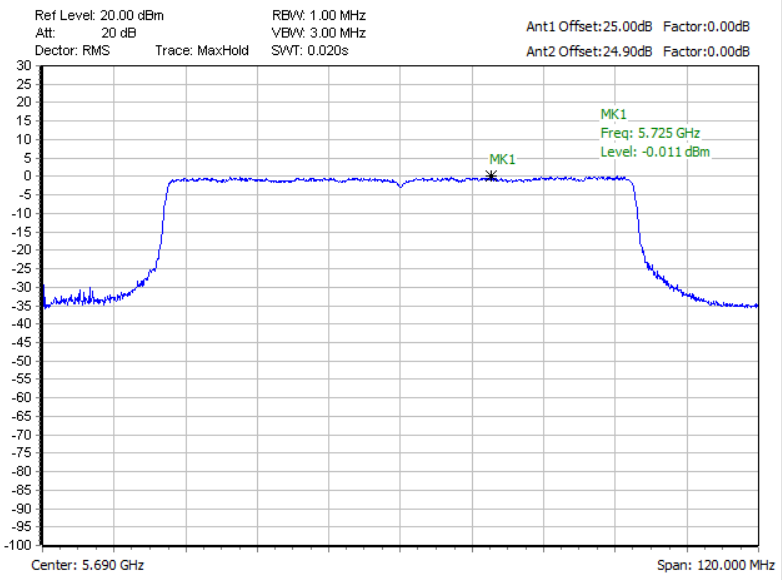


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)	Maximum Power Density Plot Trace 2 (Ant 8)
	

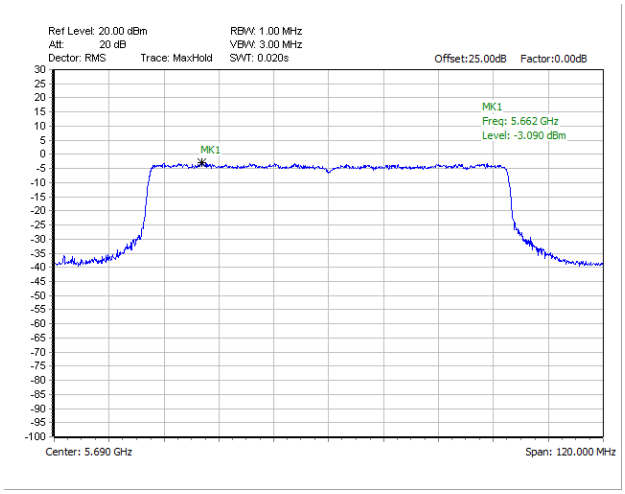
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

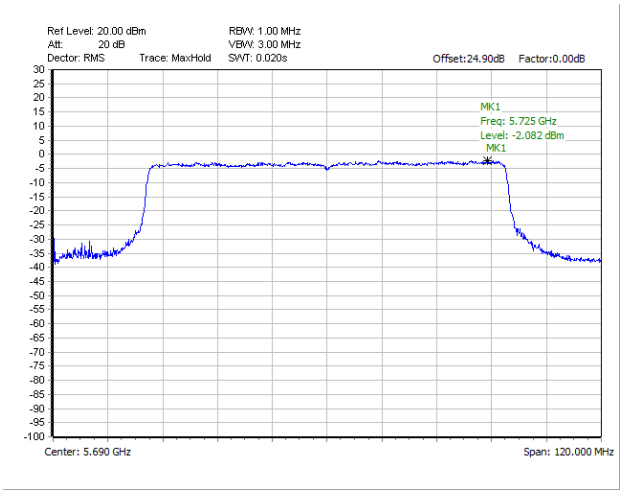


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)

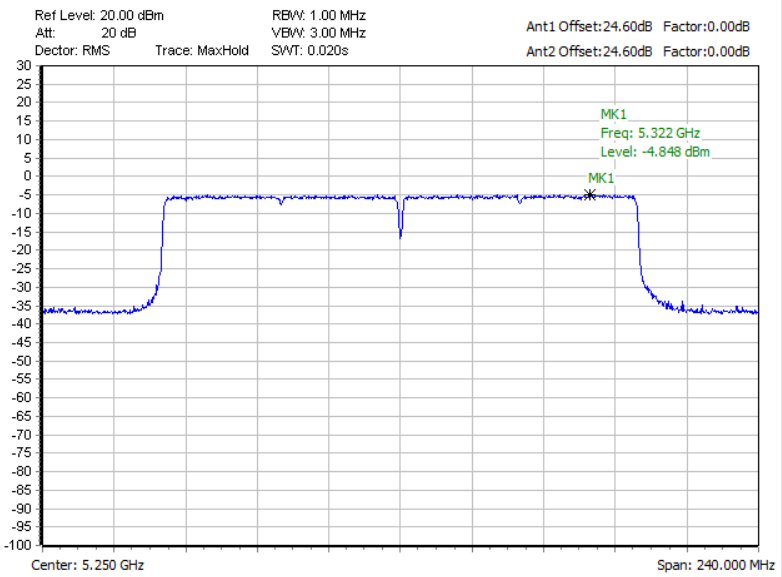


Maximum Power Density Plot Trace 2 (Ant 8)



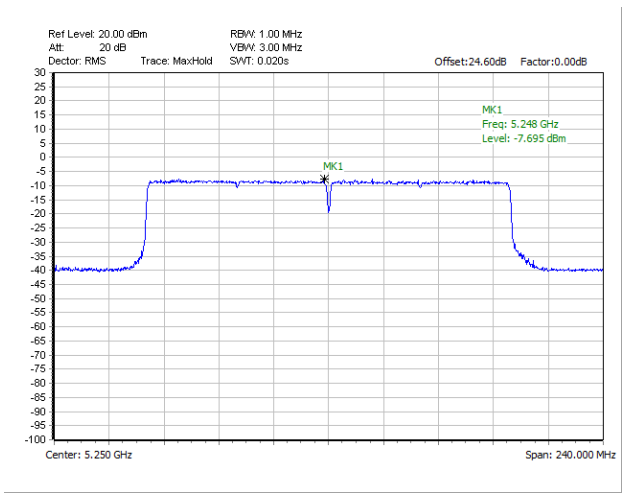
<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)

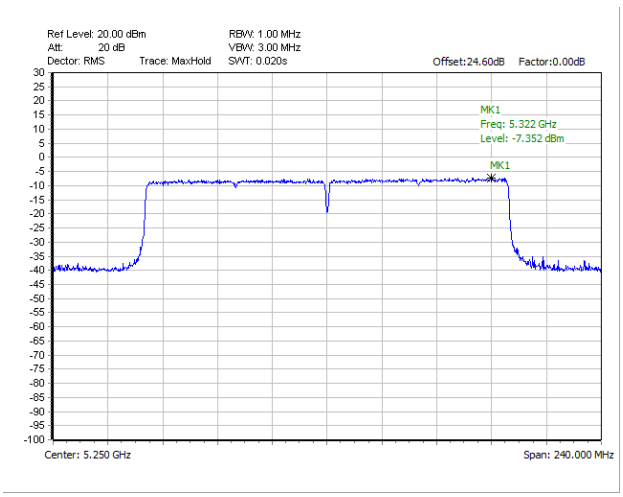


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 9)



Maximum Power Density Plot Trace 2 (Ant 8)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

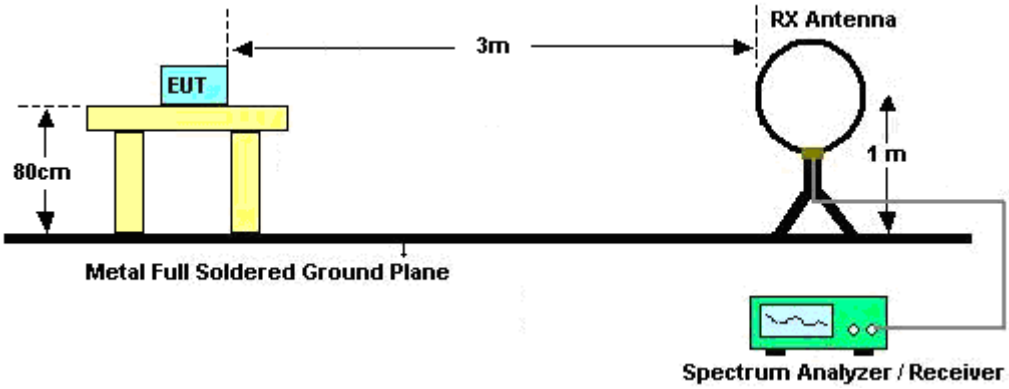
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

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

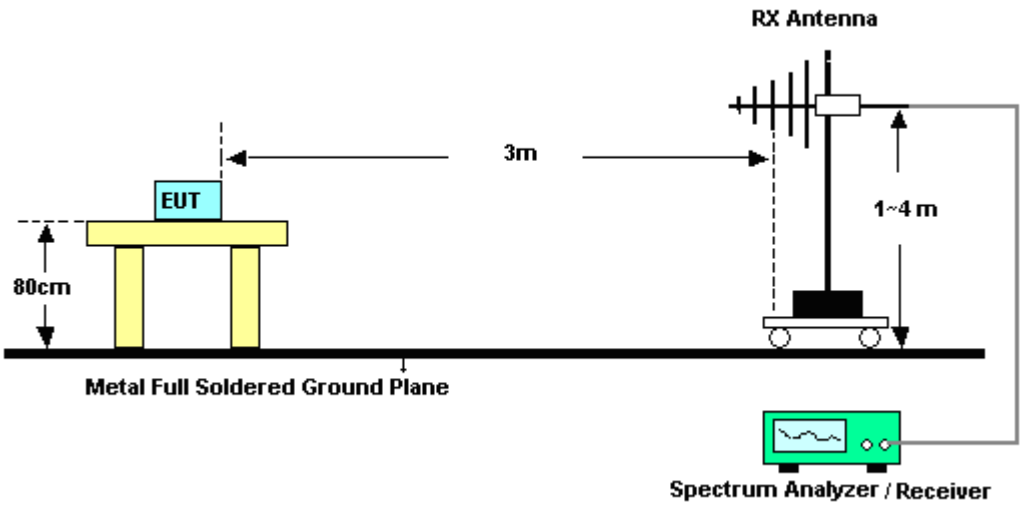
3.4.4 Test Setup

For radiated emissions below 30MHz

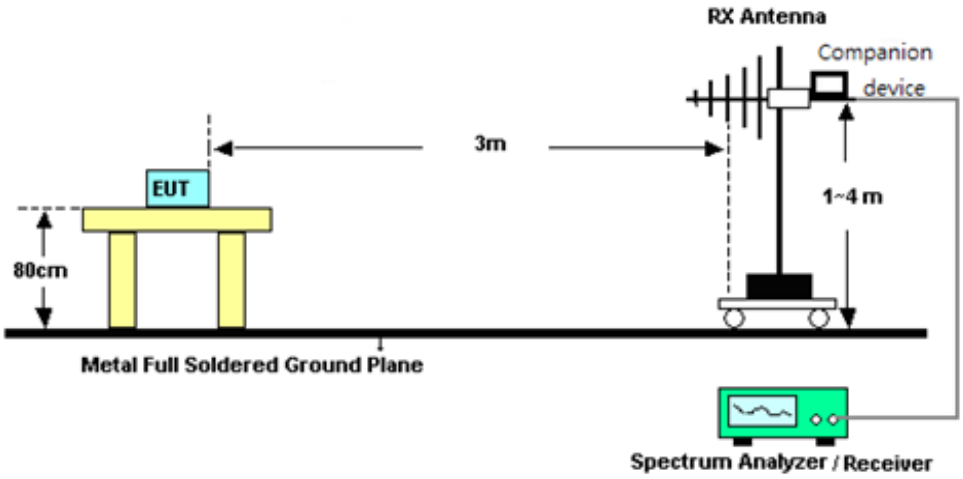


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

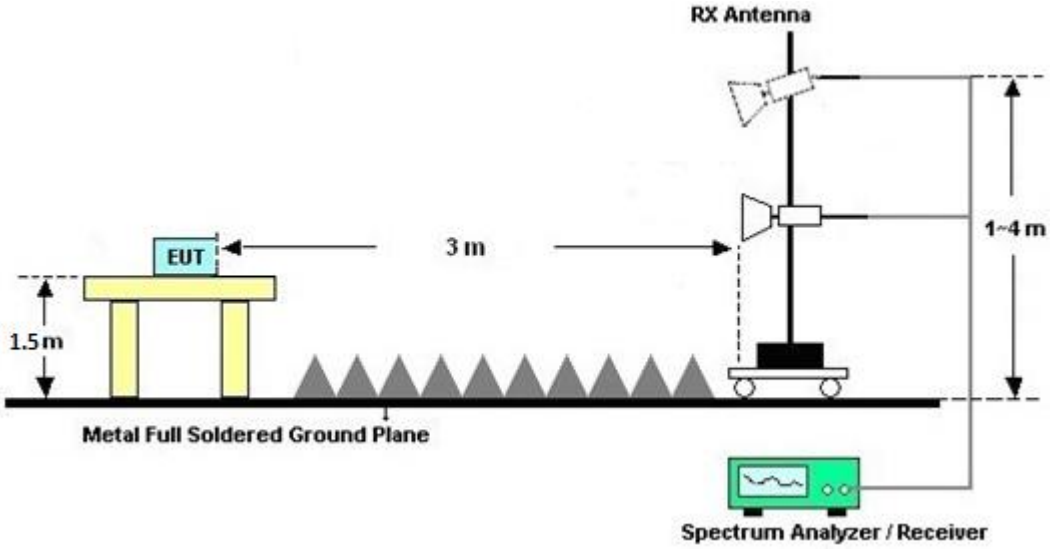


<TXBF Modes>

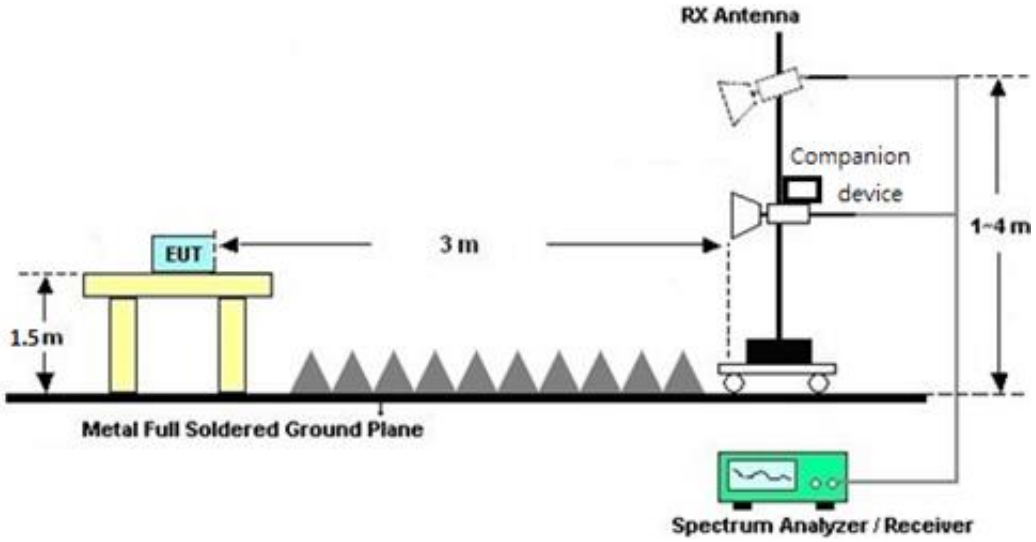


For radiated test from 1GHz to 18GHz

<CDD Mode>

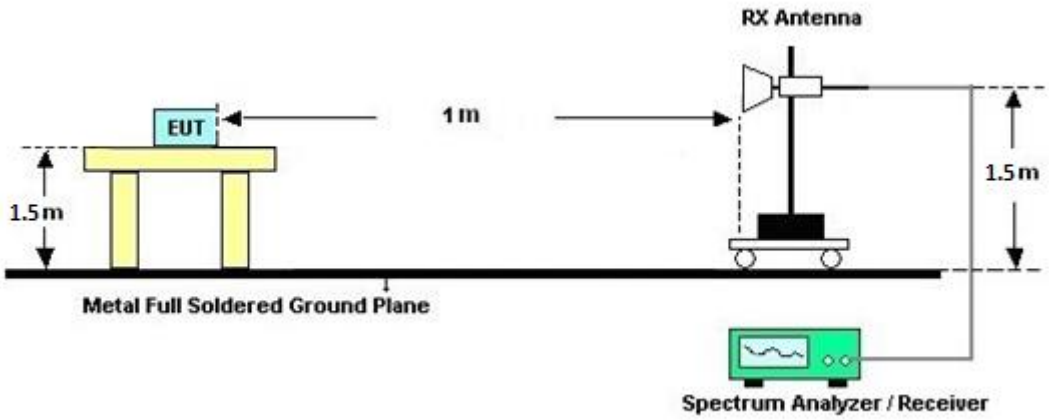


<TXBF Modes>

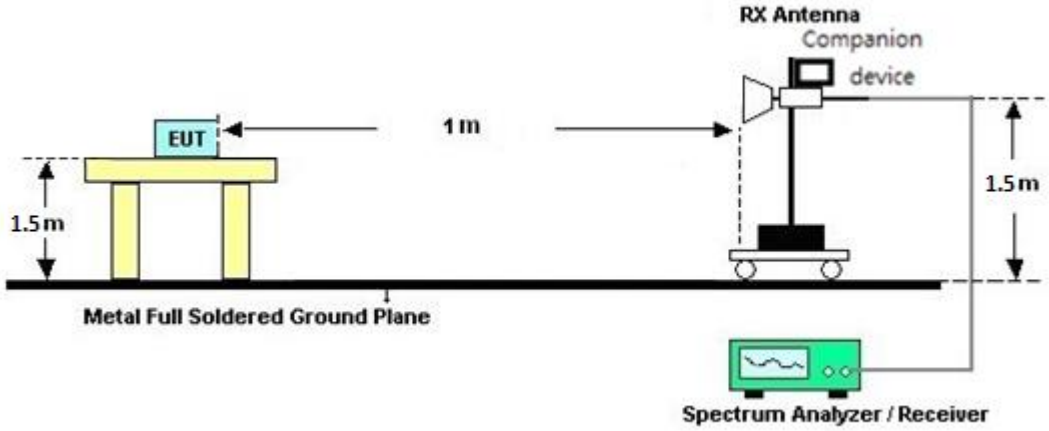


For radiated test above 18GHz

<CDD Mode>



<TXBF Modes>



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

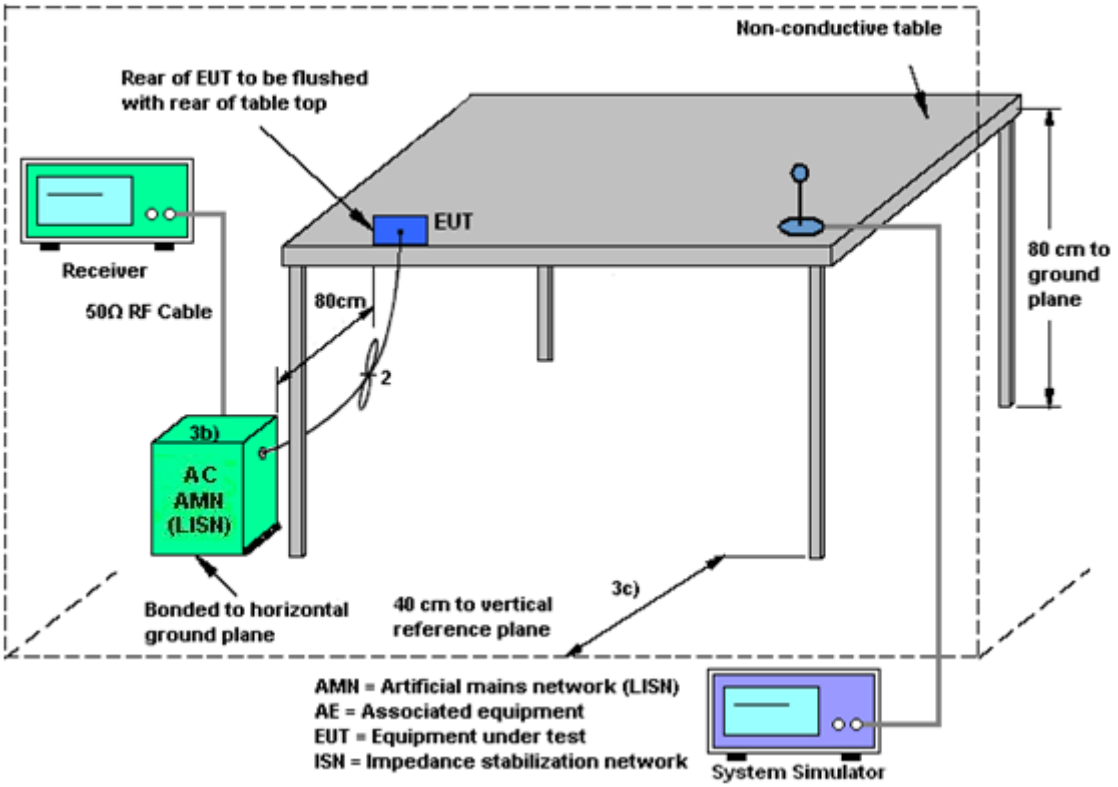
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16. 2021	Aug. 08, 2022~ Oct. 11, 2022	Nov. 15. 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Aug. 08, 2022~ Oct. 11, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Aug. 08, 2022~ Oct. 11, 2022	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 15, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Aug. 15, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Aug. 15, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Aug. 15, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 15, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Aug. 15, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Aug. 15, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Aug. 10, 2022~ Sep. 07, 2022	May 12, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Aug. 10, 2022~ Sep. 07, 2022	Dec. 23, 2022	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 30, 2021	Aug. 10, 2022~ Sep. 07, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Aug. 10, 2022~ Sep. 07, 2022	Jul. 03, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 09, 2021	Aug. 10, 2022~ Sep. 07, 2022	Oct. 08, 2022	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Aug. 10, 2022~ Sep. 07, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 10, 2022	Aug. 10, 2022~ Sep. 07, 2022	Mar. 09, 2023	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Aug. 10, 2022~ Sep. 07, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 27, 2021	Aug. 10, 2022~ Sep. 07, 2022	Dec. 26, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Aug. 10, 2022~ Sep. 07, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Aug. 10, 2022~ Sep. 07, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	N/A	Aug. 09, 2022	Aug. 10, 2022~ Sep. 07, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Aug. 10, 2022~ Sep. 07, 2022	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 10, 2022~ Sep. 07, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 10, 2022~ Sep. 07, 2022	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 10, 2022~ Sep. 07, 2022	N/A	Radiation (03CH16-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.1 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.8 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.8 dB

Appendix A. Test Result of Conducted Test Items

<CDD Mode>

Test Engineer:	Ching Chen	Temperature:	21~25	°C
Test Date:	2022/08/08-2022/10/11	Relative Humidity:	51~54	%

Report Number : FR271554E

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	36	5180	16.78	17.13	28.05	32.85	23.25		22.25			
11a	6Mbps	2	44	5220	24.83	27.87	39.95	48.60	23.98		23.01			
11a	6Mbps	2	48	5240	24.08	27.52	45.20	49.10	23.98		23.01			

Report Number : FR271554E

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	36	5180	16.50	16.10	19.31	24.00		3.83			Pass
11a	6Mbps	2	44	5220	16.10	15.70	18.91	24.00		3.83			Pass
11a	6Mbps	2	48	5240	16.50	16.10	19.31	24.00		3.83			Pass
HT20	MCS0	2	36	5180	14.90	14.30	17.62	24.00		3.83			Pass
HT20	MCS0	2	44	5220	16.40	16.10	19.26	24.00		3.83			Pass
HT20	MCS0	2	48	5240	16.30	15.90	19.11	24.00		3.83			Pass
HT40	MCS0	2	38	5190	14.50	13.90	17.22	24.00		3.83			Pass
HT40	MCS0	2	46	5230	16.40	16.10	19.26	24.00		3.83			Pass
VHT20	MCS0	2	36	5180	14.90	14.30	17.62	24.00		3.83			Pass
VHT20	MCS0	2	44	5220	16.40	16.10	19.26	24.00		3.83			Pass
VHT20	MCS0	2	48	5240	16.30	15.90	19.11	24.00		3.83			Pass
VHT40	MCS0	2	38	5190	14.50	13.90	17.22	24.00		3.83			Pass
VHT40	MCS0	2	46	5230	16.40	16.10	19.26	24.00		3.83			Pass
VHT80	MCS0	2	42	5210	13.70	13.10	16.42	24.00		3.83			Pass
VHT160	MCS0	2	50	5250	12.70	12.10	15.42	24.00		3.83			Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	36	5180			7.30	11.00		5.55			Pass
11a	6Mbps	2	44	5220			6.84	11.00		5.55			Pass
11a	6Mbps	2	48	5240			7.19	11.00		5.55			Pass

Report Number : FR271554E

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	52	5260	20.98	32.42	45.50	56.71	23.98		30.00		23.98		
11a	6Mbps	2	60	5300	21.88	27.32	42.60	44.70	23.98		30.00		23.98		
11a	6Mbps	2	64	5320	17.08	18.83	33.85	36.35	23.33		29.33		23.98		

Report Number : FR271554E

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	52	5260	16.30	15.90	19.11	23.98		3.83		26.99	Pass
11a	6Mbps	2	60	5300	16.40	15.80	19.12	23.98		3.83		26.99	Pass
11a	6Mbps	2	64	5320	16.30	16.00	19.16	23.98		3.83		26.99	Pass
HT20	MCS0	2	52	5260	16.30	15.70	19.02	23.98		3.83		26.99	Pass
HT20	MCS0	2	60	5300	16.20	15.70	18.97	23.98		3.83		26.99	Pass
HT20	MCS0	2	64	5320	15.90	15.30	18.62	23.98		3.83		26.99	Pass
HT40	MCS0	2	54	5270	16.30	15.90	19.11	23.98		3.83		26.99	Pass
HT40	MCS0	2	62	5310	15.90	15.40	18.67	23.98		3.83		26.99	Pass
VHT20	MCS0	2	52	5260	16.30	15.70	19.02	23.98		3.83		26.99	Pass
VHT20	MCS0	2	60	5300	16.20	15.70	18.97	23.98		3.83		26.99	Pass
VHT20	MCS0	2	64	5320	15.90	15.30	18.62	23.98		3.83		26.99	Pass
VHT40	MCS0	2	54	5270	16.30	15.90	19.11	23.98		3.83		26.99	Pass
VHT40	MCS0	2	62	5310	15.90	15.40	18.67	23.98		3.83		26.99	Pass
VHT80	MCS0	2	58	5290	13.30	12.60	15.97	23.98		3.83		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	52	5260			7.18	11.00		5.74			Pass
11a	6Mbps	2	60	5300			7.22	11.00		5.74			Pass
11a	6Mbps	2	64	5320			7.73	11.00		5.74			Pass

Report Number : FR271554E

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
11a	6Mbps	2	100	5500	20.83	22.78	38.00	39.85	23.98		30.00		23.98		----	----
11a	6Mbps	2	116	5580	25.52	25.03	47.15	42.30	23.98		30.00		23.98		----	----
11a	6Mbps	2	140	5700	26.58	16.48	21.75	19.95	23.17		29.17		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
11a	6Mbps	2	144	5720	17.09	17.24	29.50	26.00	23.33		29.33		23.98		3.25	3.25

Report Number : FR271554E

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	100	5500	16.00	15.60	18.81	23.98		3.11		26.99	Pass
11a	6Mbps	2	116	5580	15.80	15.40	18.61	23.98		3.11		26.99	Pass
11a	6Mbps	2	140	5700	16.10	15.50	18.82	23.98		3.11		26.99	Pass
HT20	MCS0	2	100	5500	14.20	13.70	16.97	23.98		3.11		26.99	Pass
HT20	MCS0	2	116	5580	15.60	15.20	18.41	23.98		3.11		26.99	Pass
HT20	MCS0	2	140	5700	12.80	12.50	15.66	23.98		3.11		26.99	Pass
HT40	MCS0	2	102	5510	14.10	13.60	16.87	23.98		3.11		26.99	Pass
HT40	MCS0	2	110	5550	15.90	15.40	18.67	23.98		3.11		26.99	Pass
HT40	MCS0	2	134	5670	14.30	13.80	17.07	23.98		3.11		26.99	Pass
VHT20	MCS0	2	100	5500	14.20	13.70	16.97	23.98		3.11		26.99	Pass
VHT20	MCS0	2	116	5580	15.60	15.20	18.41	23.98		3.11		26.99	Pass
VHT20	MCS0	2	140	5700	12.80	12.50	15.66	23.98		3.11		26.99	Pass
VHT40	MCS0	2	102	5510	14.10	13.60	16.87	23.98		3.11		26.99	Pass
VHT40	MCS0	2	110	5550	15.90	15.40	18.67	23.98		3.11		26.99	Pass
VHT40	MCS0	2	134	5670	14.30	13.80	17.07	23.98		3.11		26.99	Pass
VHT80	MCS0	2	106	5530	13.60	13.10	16.37	23.98		3.11		26.99	Pass
VHT80	MCS0	2	122	5610	14.30	13.80	17.07	23.98		3.11		26.99	Pass
VHT160	MCS0	2	114	5570	13.10	12.50	15.82	23.98		3.11		26.99	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	144	5720	16.10	15.40	18.77	23.98		3.11		26.99	Pass
HT20	MCS0	2	144	5720	15.90	15.20	18.57	23.98		3.11		26.99	Pass
HT40	MCS0	2	142	5710	15.90	15.40	18.67	23.98		3.11		26.99	Pass
VHT20	MCS0	2	144	5720	15.90	15.20	18.57	23.98		3.11		26.99	Pass
VHT40	MCS0	2	142	5710	15.90	15.40	18.67	23.98		3.11		26.99	Pass
VHT80	MCS0	2	138	5690	15.00	14.50	17.77	23.98		3.11		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	100	5500			6.63	11.00		5.32			Pass
11a	6Mbps	2	116	5580			6.50	11.00		5.32			Pass
11a	6Mbps	2	140	5700			6.72	11.00		5.32			Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
11a	6Mbps	2	144	5720			6.61	11.00		5.32			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full	18.98	19.08	21.60	26.60	23.78		22.78			
HE20	MCS0	2	44	5220	Full	22.03	24.43	43.70	46.30	23.98		23.01			
HE20	MCS0	2	48	5240	Full	23.38	26.42	46.60	47.25	23.98		23.01			
HE40	MCS0	2	38	5190	Full	37.96	38.06	40.32	40.14	23.98		23.01			
HE40	MCS0	2	46	5230	Full	38.36	38.76	43.38	58.77	23.98		23.01			
HE80	MCS0	2	42	5210	Full	77.32	77.32	82.56	82.88	23.98		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full	15.00	14.30	17.67	24.00		3.83			Pass
HE20	MCS0	2	36	5180	26/0	5.20	4.60	7.92	24.00		3.83			Pass
HE20	MCS0	2	36	5180	52/37	8.60	7.90	11.27	24.00		3.83			Pass
HE20	MCS0	2	36	5180	106/53	11.10	10.90	14.01	24.00		3.83			Pass
HE20	MCS0	2	44	5220	Full	16.50	16.20	19.36	24.00		3.83			Pass
HE20	MCS0	2	44	5220	26/4	8.00	8.00	11.01	24.00		3.83			Pass
HE20	MCS0	2	44	5220	52/38	9.70	9.50	12.61	24.00		3.83			Pass
HE20	MCS0	2	44	5220	106/53	13.40	12.50	15.98	24.00		3.83			Pass
HE20	MCS0	2	48	5240	Full	16.40	16.00	19.21	24.00		3.83			Pass
HE20	MCS0	2	48	5240	26/8	7.20	6.70	9.97	24.00		3.83			Pass
HE20	MCS0	2	48	5240	52/40	9.90	9.50	12.71	24.00		3.83			Pass
HE20	MCS0	2	48	5240	106/54	12.80	12.20	15.52	24.00		3.83			Pass
HE40	MCS0	2	38	5190	Full	14.60	14.00	17.32	24.00		3.83			Pass
HE40	MCS0	2	38	5190	242/61	12.30	11.60	14.97	24.00		3.83			Pass
HE40	MCS0	2	46	5230	Full	16.50	16.20	19.36	24.00		3.83			Pass
HE40	MCS0	2	46	5230	242/62	14.30	13.60	16.97	24.00		3.83			Pass
HE80	MCS0	2	42	5210	Full	13.80	13.20	16.52	24.00		3.83			Pass
HE80	MCS0	2	42	5210	484/65	11.60	11.20	14.41	24.00		3.83			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full			5.28	11.00		5.55			Pass
HE20	MCS0	2	36	5180	26/0			4.63	11.00		5.55			Pass
HE20	MCS0	2	36	5180	52/37			4.97	11.00		5.55			Pass
HE20	MCS0	2	36	5180	106/53			4.73	11.00		5.55			Pass
HE20	MCS0	2	44	5220	Full			6.75	11.00		5.55			Pass
HE20	MCS0	2	44	5220	26/4			6.44	11.00		5.55			Pass
HE20	MCS0	2	44	5220	52/38			6.28	11.00		5.55			Pass
HE20	MCS0	2	44	5220	106/53			6.61	11.00		5.55			Pass
HE20	MCS0	2	48	5240	Full			6.53	11.00		5.55			Pass
HE20	MCS0	2	48	5240	26/8			6.44	11.00		5.55			Pass
HE20	MCS0	2	48	5240	52/40			6.31	11.00		5.55			Pass
HE20	MCS0	2	48	5240	106/54			6.13	11.00		5.55			Pass
HE40	MCS0	2	38	5190	Full			1.94	11.00		5.55			Pass
HE40	MCS0	2	38	5190	242/61			1.61	11.00		5.55			Pass
HE40	MCS0	2	46	5230	Full			4.03	11.00		5.55			Pass
HE40	MCS0	2	46	5230	242/62			3.74	11.00		5.55			Pass
HE80	MCS0	2	42	5210	Full			-1.73	11.00		5.55			Pass
HE80	MCS0	2	42	5210	484/65			-2.15	11.00		5.55			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	52	5260	Full	22.78	25.43	46.90	40.56	23.98		30.00		23.98		
HE20	MCS0	2	60	5300	Full	19.43	21.48	33.85	41.85	23.88		29.88		23.98		
HE20	MCS0	2	64	5320	Full	19.03	19.08	27.85	24.35	23.79		29.79		23.98		
HE40	MCS0	2	54	5270	Full	38.36	38.76	50.49	65.52	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	38.16	40.59	40.32	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	77.32	83.36	82.72	23.98		30.00		23.98		
HE160	MCS0	2	50	5250	Full	156.56	156.56	166.08	166.08	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	52	5260	Full	16.40	15.80	19.12	23.98		3.83		26.99	Pass
HE20	MCS0	2	52	5260	26/0	6.70	6.00	9.37	23.98		3.83		26.99	Pass
HE20	MCS0	2	52	5260	52/37	9.70	9.20	12.47	23.98		3.83		26.99	Pass
HE20	MCS0	2	52	5260	106/53	12.80	12.20	15.52	23.98		3.83		26.99	Pass
HE20	MCS0	2	60	5300	Full	16.30	15.80	19.07	23.98		3.83		26.99	Pass
HE20	MCS0	2	60	5300	26/4	7.50	7.30	10.41	23.98		3.83		26.99	Pass
HE20	MCS0	2	60	5300	52/38	9.40	9.20	12.31	23.98		3.83		26.99	Pass
HE20	MCS0	2	60	5300	106/53	12.70	12.20	15.47	23.98		3.83		26.99	Pass
HE20	MCS0	2	64	5320	Full	16.00	15.40	18.72	23.98		3.83		26.99	Pass
HE20	MCS0	2	64	5320	26/8	7.10	6.70	9.91	23.98		3.83		26.99	Pass
HE20	MCS0	2	64	5320	52/40	9.80	9.70	12.76	23.98		3.83		26.99	Pass
HE20	MCS0	2	64	5320	106/54	13.10	12.70	15.91	23.98		3.83		26.99	Pass
HE40	MCS0	2	54	5270	Full	16.40	16.00	19.21	23.98		3.83		26.99	Pass
HE40	MCS0	2	54	5270	242/61	13.60	12.70	16.18	23.98		3.83		26.99	Pass
HE40	MCS0	2	62	5310	Full	16.00	15.50	18.77	23.98		3.83		26.99	Pass
HE40	MCS0	2	62	5310	242/62	13.60	13.10	16.37	23.98		3.83		26.99	Pass
HE80	MCS0	2	58	5290	Full	13.40	12.70	16.07	23.98		3.83		26.99	Pass
HE80	MCS0	2	58	5290	484/66	10.70	10.50	13.61	23.98		3.83		26.99	Pass
HE160	MCS0	2	50	5250	Full	12.80	12.20	15.52	23.98		3.83		26.99	Pass
HE160	MCS0	2	50	5250	996/67	10.40	10.00	13.21	23.98		3.83		26.99	Pass
HE160	MCS0	2	50	5250	996/S67	9.70	9.30	12.51	23.98		3.83		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	52	5260	Full			6.56	11.00		5.74			Pass
HE20	MCS0	2	52	5260	26/0			5.99	11.00		5.74			Pass
HE20	MCS0	2	52	5260	52/37			6.23	11.00		5.74			Pass
HE20	MCS0	2	52	5260	106/53			6.24	11.00		5.74			Pass
HE20	MCS0	2	60	5300	Full			6.49	11.00		5.74			Pass
HE20	MCS0	2	60	5300	26/4			5.97	11.00		5.74			Pass
HE20	MCS0	2	60	5300	52/38			6.13	11.00		5.74			Pass
HE20	MCS0	2	60	5300	106/53			6.21	11.00		5.74			Pass
HE20	MCS0	2	64	5320	Full			6.20	11.00		5.74			Pass
HE20	MCS0	2	64	5320	26/8			5.81	11.00		5.74			Pass
HE20	MCS0	2	64	5320	52/40			5.83	11.00		5.74			Pass
HE20	MCS0	2	64	5320	106/54			5.94	11.00		5.74			Pass
HE40	MCS0	2	54	5270	Full			3.78	11.00		5.74			Pass
HE40	MCS0	2	54	5270	242/61			3.28	11.00		5.74			Pass
HE40	MCS0	2	62	5310	Full			3.56	11.00		5.74			Pass
HE40	MCS0	2	62	5310	242/62			3.10	11.00		5.74			Pass
HE80	MCS0	2	58	5290	Full			-2.24	11.00		5.74			Pass
HE80	MCS0	2	58	5290	484/66			-2.61	11.00		5.74			Pass
HE160	MCS0	2	50	5250	Full			-5.72	11.00		5.74			Pass
HE160	MCS0	2	50	5250	996/67			-5.84	11.00		5.74			Pass
HE160	MCS0	2	50	5250	996/S67			-6.13	11.00		5.74			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
HE20	MCS0	2	100	5500	Full	18.98	18.93	21.65	21.65	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	20.43	22.33	44.45	40.75	23.98		30.00		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.93	18.93	21.20	21.25	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	37.96	40.32	40.32	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.96	40.59	40.50	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.96	38.06	40.32	40.32	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.08	82.88	82.56	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.08	77.32	83.20	82.88	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.56	156.32	167.04	166.72	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
HE20	MCS0	2	144	5720	Full	16.84	15.39	29.25	25.80	22.87		28.87		23.98		4.4	4.3
HE40	MCS0	2	142	5710	Full	34.18	34.08	39.57	35.79	23.98		30.00		23.98		4.08	3.99
HE80	MCS0	2	138	5690	Full	73.60	73.48	76.76	76.28	23.98		30.00		23.98		4.04	4.2

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	100	5500	Full	14.30	13.80	17.07	23.98		3.11		26.99	Pass
HE20	MCS0	2	100	5500	26/0	5.70	5.70	8.71	23.98		3.11		26.99	Pass
HE20	MCS0	2	100	5500	52/37	8.80	8.50	11.66	23.98		3.11		26.99	Pass
HE20	MCS0	2	100	5500	106/53	11.00	11.00	14.01	23.98		3.11		26.99	Pass
HE20	MCS0	2	116	5580	Full	15.70	15.30	18.51	23.98		3.11		26.99	Pass
HE20	MCS0	2	116	5580	26/4	7.30	7.20	10.26	23.98		3.11		26.99	Pass
HE20	MCS0	2	116	5580	52/38	8.60	8.50	11.56	23.98		3.11		26.99	Pass
HE20	MCS0	2	116	5580	106/53	12.10	11.70	14.91	23.98		3.11		26.99	Pass
HE20	MCS0	2	140	5700	Full	12.90	12.60	15.76	23.98		3.11		26.99	Pass
HE20	MCS0	2	140	5700	26/8	4.40	3.80	7.12	23.98		3.11		26.99	Pass
HE20	MCS0	2	140	5700	52/40	7.30	6.90	10.11	23.98		3.11		26.99	Pass
HE20	MCS0	2	140	5700	106/54	10.00	9.90	12.96	23.98		3.11		26.99	Pass
HE40	MCS0	2	102	5510	Full	14.20	13.70	16.97	23.98		3.11		26.99	Pass
HE40	MCS0	2	102	5510	242/61	12.50	11.90	15.22	23.98		3.11		26.99	Pass
HE40	MCS0	2	110	5550	Full	16.00	15.50	18.77	23.98		3.11		26.99	Pass
HE40	MCS0	2	110	5550	242/61	13.90	13.40	16.67	23.98		3.11		26.99	Pass
HE40	MCS0	2	134	5670	Full	14.40	13.90	17.17	23.98		3.11		26.99	Pass
HE40	MCS0	2	134	5670	242/62	11.90	11.70	14.81	23.98		3.11		26.99	Pass
HE80	MCS0	2	106	5530	Full	13.70	13.20	16.47	23.98		3.11		26.99	Pass
HE80	MCS0	2	106	5530	484/65	11.80	11.30	14.57	23.98		3.11		26.99	Pass
HE80	MCS0	2	122	5610	Full	14.40	13.90	17.17	23.98		3.11		26.99	Pass
HE80	MCS0	2	122	5610	484/66	12.00	11.70	14.86	23.98		3.11		26.99	Pass
HE160	MCS0	2	114	5570	Full	13.20	12.60	15.92	23.98		3.11		26.99	Pass
HE160	MCS0	2	114	5570	996/67	11.20	10.40	13.83	23.98		3.11		26.99	Pass
HE160	MCS0	2	114	5570	996/S67	10.40	10.00	13.21	23.98		3.11		26.99	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	144	5720	Full	16.00	15.30	18.67	23.98		3.11		26.99	Pass
HE20	MCS0	2	144	5720	26/8	6.30	5.90	9.11	23.98		3.11		26.99	Pass
HE20	MCS0	2	144	5720	52/40	9.20	8.60	11.92	23.98		3.11		26.99	Pass
HE20	MCS0	2	144	5720	106/54	12.00	11.80	14.91	23.98		3.11		26.99	Pass
HE40	MCS0	2	142	5710	Full	16.00	15.50	18.77	23.98		3.11		26.99	Pass
HE40	MCS0	2	142	5710	242/62	13.00	12.80	15.91	23.98		3.11		26.99	Pass
HE80	MCS0	2	138	5690	Full	15.10	14.60	17.87	23.98		3.11		26.99	Pass
HE80	MCS0	2	138	5690	484/66	12.50	12.40	15.46	23.98		3.11		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	100	5500	Full			4.57	11.00		5.32			Pass
HE20	MCS0	2	100	5500	26/0			4.43	11.00		5.32			Pass
HE20	MCS0	2	100	5500	52/37			4.54	11.00		5.32			Pass
HE20	MCS0	2	100	5500	106/53			4.12	11.00		5.32			Pass
HE20	MCS0	2	116	5580	Full			5.87	11.00		5.32			Pass
HE20	MCS0	2	116	5580	26/4			5.81	11.00		5.32			Pass
HE20	MCS0	2	116	5580	52/38			5.36	11.00		5.32			Pass
HE20	MCS0	2	116	5580	106/53			5.59	11.00		5.32			Pass
HE20	MCS0	2	140	5700	Full			3.40	11.00		5.32			Pass
HE20	MCS0	2	140	5700	26/8			3.28	11.00		5.32			Pass
HE20	MCS0	2	140	5700	52/40			3.37	11.00		5.32			Pass
HE20	MCS0	2	140	5700	106/54			3.23	11.00		5.32			Pass
HE40	MCS0	2	102	5510	Full			1.72	11.00		5.32			Pass
HE40	MCS0	2	102	5510	242/61			1.62	11.00		5.32			Pass
HE40	MCS0	2	110	5550	Full			3.36	11.00		5.32			Pass
HE40	MCS0	2	110	5550	242/61			3.32	11.00		5.32			Pass
HE40	MCS0	2	134	5670	Full			1.99	11.00		5.32			Pass
HE40	MCS0	2	134	5670	242/62			1.49	11.00		5.32			Pass
HE80	MCS0	2	106	5530	Full			-1.64	11.00		5.32			Pass
HE80	MCS0	2	106	5530	484/65			-2.00	11.00		5.32			Pass
HE80	MCS0	2	122	5610	Full			-1.12	11.00		5.32			Pass
HE80	MCS0	2	122	5610	484/66			-1.52	11.00		5.32			Pass
HE160	MCS0	2	114	5570	Full			-5.16	11.00		5.32			Pass
HE160	MCS0	2	114	5570	996/67			-5.30	11.00		5.32			Pass
HE160	MCS0	2	114	5570	996/S67			-5.51	11.00		5.32			Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	144	5720	Full			6.05	11.00		5.32			Pass
HE20	MCS0	2	144	5720	26/8			5.74	11.00		5.32			Pass
HE20	MCS0	2	144	5720	52/40			5.58	11.00		5.32			Pass
HE20	MCS0	2	144	5720	106/54			5.68	11.00		5.32			Pass
HE40	MCS0	2	142	5710	Full			3.29	11.00		5.32			Pass
HE40	MCS0	2	142	5710	242/62			2.89	11.00		5.32			Pass
HE80	MCS0	2	138	5690	Full			-0.56	11.00		5.32			Pass
HE80	MCS0	2	138	5690	484/66			-0.78	11.00		5.32			Pass

<TXBF Mode>

Test Engineer:	Ching Chen	Temperature:	21~25	°C
Test Date:	2022/09/07-2022/10/03	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full	19.18	19.38	28.65	33.85	23.83		22.83			
HE20	MCS0	2	44	5220	Full	19.38	19.68	35.55	41.50	23.87		22.87			
HE20	MCS0	2	48	5240	Full	19.33	19.58	28.05	37.30	23.86		22.86			
HE40	MCS0	2	38	5190	Full	38.56	39.16	68.31	68.94	23.98		23.01			
HE40	MCS0	2	46	5230	Full	39.06	38.96	41.49	52.74	23.98		23.01			
HE80	MCS0	2	42	5210	Full	77.68	77.68	91.68	89.28	23.98		23.01			

Report Number : FR271554E

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full	14.00	14.00	17.01	24.00		5.55			Pass
HE20	MCS0	2	44	5220	Full	15.90	16.50	19.22	24.00		5.55			Pass
HE20	MCS0	2	48	5240	Full	16.00	16.00	19.01	24.00		5.55			Pass
HE40	MCS0	2	38	5190	Full	14.20	14.20	17.21	24.00		5.55			Pass
HE40	MCS0	2	46	5230	Full	15.40	15.60	18.51	24.00		5.55			Pass
HE80	MCS0	2	42	5210	Full	13.20	13.50	16.36	24.00		5.55			Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	36	5180	Full			5.97	11.00		5.55			Pass
HE20	MCS0	2	44	5220	Full			8.40	11.00		5.55			Pass
HE20	MCS0	2	48	5240	Full			8.39	11.00		5.55			Pass
HE40	MCS0	2	38	5190	Full			2.72	11.00		5.55			Pass
HE40	MCS0	2	46	5230	Full			4.35	11.00		5.55			Pass
HE80	MCS0	2	42	5210	Full			-1.01	11.00		5.55			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	52	5260	Full	19.18	19.53	33.15	36.75	23.83		29.83		23.98		
HE20	MCS0	2	60	5300	Full	19.28	19.43	30.55	38.40	23.85		29.85		23.98		
HE20	MCS0	2	64	5320	Full	19.18	19.33	30.25	34.80	23.83		29.83		23.98		
HE40	MCS0	2	54	5270	Full	38.86	38.76	43.20	46.17	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	38.46	38.76	43.38	43.56	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.80	77.68	92.00	89.60	23.98		30.00		23.98		
HE160	MCS0	2	50	5250	Full	157.52	157.76	233.60	237.36	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	52	5260	Full	15.90	16.30	19.11	23.98		5.74		26.99	Pass
HE20	MCS0	2	60	5300	Full	15.90	16.10	19.01	23.98		5.74		26.99	Pass
HE20	MCS0	2	64	5320	Full	15.20	15.20	18.21	23.98		5.74		26.99	Pass
HE40	MCS0	2	54	5270	Full	16.00	16.30	19.16	23.98		5.74		26.99	Pass
HE40	MCS0	2	62	5310	Full	15.40	15.50	18.46	23.98		5.74		26.99	Pass
HE80	MCS0	2	58	5290	Full	11.90	12.70	15.33	23.98		5.74		26.99	Pass
HE160	MCS0	2	50	5250	Full	12.10	12.50	15.31	23.98		5.74		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	52	5260	Full			8.44	11.00		5.74			Pass
HE20	MCS0	2	60	5300	Full			8.14	11.00		5.74			Pass
HE20	MCS0	2	64	5320	Full			7.22	11.00		5.74			Pass
HE40	MCS0	2	54	5270	Full			5.90	11.00		5.74			Pass
HE40	MCS0	2	62	5310	Full			4.20	11.00		5.74			Pass
HE80	MCS0	2	58	5290	Full			-2.02	11.00		5.74			Pass
HE160	MCS0	2	50	5250	Full			-4.85	11.00		5.74			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
HE20	MCS0	2	100	5500	Full	19.18	19.13	23.00	23.20	23.82		29.82		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.28	19.38	36.65	40.60	23.85		29.85		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.23	19.13	23.70	23.15	23.82		29.82		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.76	40.06	54.90	82.35	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	39.06	39.26	73.98	75.69	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.56	40.26	53.46	69.39	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.20	84.64	115.20	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.68	77.80	89.28	92.48	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	157.52	157.52	175.68	168.96	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8
HE20	MCS0	2	144	5720	Full	14.59	14.69	21.40	21.00	22.64		28.64		23.98		4.55	4.6
HE40	MCS0	2	142	5710	Full	34.48	34.38	43.17	46.32	23.98		30.00		23.98		4.17	4.26
HE80	MCS0	2	138	5690	Full	73.96	73.96	105.72	99.00	23.98		30.00		23.98		4.2	4.2

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	100	5500	Full	13.20	13.80	16.52	23.98		5.32		26.99	Pass
HE20	MCS0	2	116	5580	Full	14.90	15.30	18.11	23.98		5.32		26.99	Pass
HE20	MCS0	2	140	5700	Full	12.00	12.90	15.48	23.98		5.32		26.99	Pass
HE40	MCS0	2	102	5510	Full	13.50	14.10	16.82	23.98		5.32		26.99	Pass
HE40	MCS0	2	110	5550	Full	15.50	15.70	18.61	23.98		5.32		26.99	Pass
HE40	MCS0	2	134	5670	Full	13.90	14.30	17.11	23.98		5.32		26.99	Pass
HE80	MCS0	2	106	5530	Full	13.30	13.60	16.46	23.98		5.32		26.99	Pass
HE80	MCS0	2	122	5610	Full	13.30	13.50	16.41	23.98		5.32		26.99	Pass
HE160	MCS0	2	114	5570	Full	12.70	12.70	15.71	23.98		5.32		26.99	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	144	5720	Full	14.80	15.50	18.17	23.98		5.32		26.99	Pass
HE40	MCS0	2	142	5710	Full	15.00	15.50	18.27	23.98		5.32		26.99	Pass
HE80	MCS0	2	138	5690	Full	14.00	14.60	17.32	23.98		5.32		26.99	Pass

Report Number : FR271554E

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	100	5500	Full			5.56	11.00		5.32			Pass
HE20	MCS0	2	116	5580	Full			7.04	11.00		5.32			Pass
HE20	MCS0	2	140	5700	Full			4.11	11.00		5.32			Pass
HE40	MCS0	2	102	5510	Full			2.58	11.00		5.32			Pass
HE40	MCS0	2	110	5550	Full			4.65	11.00		5.32			Pass
HE40	MCS0	2	134	5670	Full			2.78	11.00		5.32			Pass
HE80	MCS0	2	106	5530	Full			-0.65	11.00		5.32			Pass
HE80	MCS0	2	122	5610	Full			-0.79	11.00		5.32			Pass
HE160	MCS0	2	114	5570	Full			-4.88	11.00		5.32			Pass

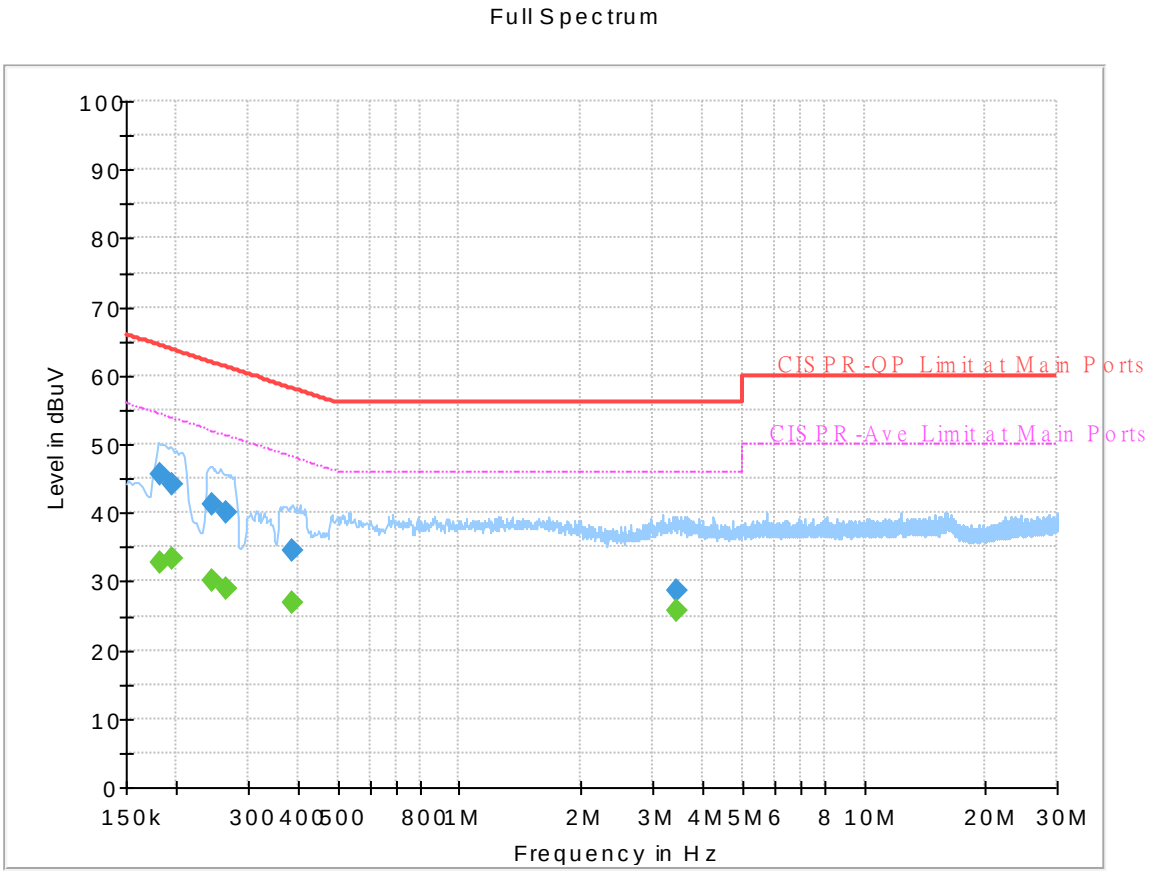
U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	Ant 9	Ant 8		
HE20	MCS0	2	144	5720	Full			7.34	11.00		5.32			Pass
HE40	MCS0	2	142	5710	Full			4.56	11.00		5.32			Pass
HE80	MCS0	2	138	5690	Full			-0.01	11.00		5.32			Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	271554
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

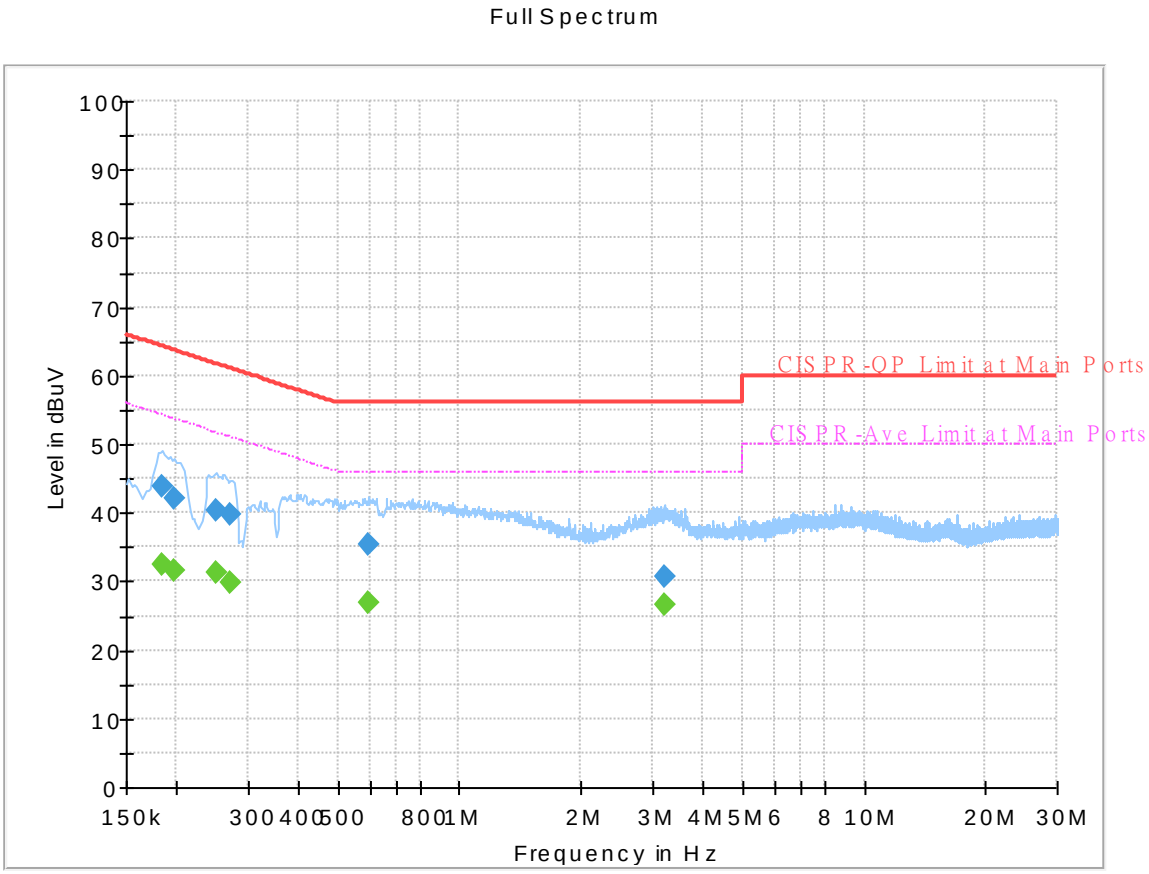


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	32.74	54.42	21.68	L1	OFF	19.8
0.181500	45.50	---	64.42	18.92	L1	OFF	19.8
0.195000	---	33.25	53.82	20.57	L1	OFF	19.8
0.195000	44.25	---	63.82	19.57	L1	OFF	19.8
0.244500	---	30.03	51.94	21.91	L1	OFF	19.8
0.244500	41.36	---	61.94	20.58	L1	OFF	19.8
0.264750	---	28.98	51.28	22.30	L1	OFF	19.8
0.264750	39.95	---	61.28	21.33	L1	OFF	19.8
0.386250	---	26.90	48.14	21.24	L1	OFF	19.8
0.386250	34.36	---	58.14	23.78	L1	OFF	19.8
3.426000	---	25.81	46.00	20.19	L1	OFF	20.0
3.426000	28.62	---	56.00	27.38	L1	OFF	20.0

EUT Information

Report NO :	271554
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.183750	---	32.49	54.31	21.82	N	OFF	19.8
0.183750	43.73	---	64.31	20.58	N	OFF	19.8
0.197250	---	31.48	53.73	22.25	N	OFF	19.8
0.197250	42.03	---	63.73	21.70	N	OFF	19.8
0.251250	---	31.43	51.72	20.29	N	OFF	19.8
0.251250	40.33	---	61.72	21.39	N	OFF	19.8
0.271500	---	29.93	51.07	21.14	N	OFF	19.8
0.271500	39.75	---	61.07	21.32	N	OFF	19.8
0.597750	---	26.78	46.00	19.22	N	OFF	19.8
0.597750	35.38	---	56.00	20.62	N	OFF	19.8
3.198750	---	26.49	46.00	19.51	N	OFF	20.0
3.198750	30.66	---	56.00	25.34	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and Steven Wu	**Temperature :**	18~23°C
		Relative Humidity :	50~65%

<CDD Mode>

<Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.5	64.04	-9.96	74	49.54	33	10.96	29.46	123	344	P	H
		5150	52.24	-1.76	54	37.74	33	10.96	29.46	123	344	A	H
	*	5180	110.75	-	-	96.2	33.06	10.96	29.47	123	344	P	H
	*	5180	103.62	-	-	89.07	33.06	10.96	29.47	123	344	A	H
													H
													H
		5150.02	63.99	-86.01	150	49.49	33	10.96	29.46	102	278	P	V
		5150.02	51.76	-98.24	150	37.26	33	10.96	29.46	102	278	A	V
	*	5180	111.09	-	-	96.54	33.06	10.96	29.47	102	278	P	V
	*	5180	103.91	-	-	89.36	33.06	10.96	29.47	102	278	A	V
													V
													V
802.11a CH 44 5220MHz		5107.38	54.57	-19.43	74	40.05	33	10.96	29.44	100	5	P	H
		5072.28	44.42	-9.58	54	29.79	33.11	10.95	29.43	100	5	A	H
	*	5220	114.54	-	-	99.98	33.06	10.98	29.48	100	5	P	H
	*	5220	106.9	-	-	92.34	33.06	10.98	29.48	100	5	A	H
		5454.68	53.31	-20.69	74	38.8	32.81	11.26	29.56	100	5	P	H
		5401.2	42.54	-11.46	54	28.03	32.9	11.15	29.54	100	5	A	H
		5109.72	54.16	-19.84	74	39.65	33	10.96	29.45	100	279	P	V
		5067.86	43.89	-10.11	54	29.24	33.13	10.95	29.43	100	279	A	V
	*	5220	112.78	-	-	98.22	33.06	10.98	29.48	100	279	P	V
	*	5220	105.3	-	-	90.74	33.06	10.98	29.48	100	279	A	V
		5460	52.12	-21.88	74	37.59	32.82	11.27	29.56	100	279	P	V
		5379.64	42.48	-11.52	54	28.02	32.86	11.13	29.53	100	279	A	V

802.11a CH 48 5240MHz		5135.72	54.64	-19.36	74	40.13	33	10.96	29.45	115	7	P	H
		5091.52	44.09	-9.91	54	29.55	33.03	10.95	29.44	115	7	A	H
	*	5240	114.49	-	-	99.96	33.02	11	29.49	115	7	P	H
	*	5240	106.68	-	-	92.15	33.02	11	29.49	115	7	A	H
		5427.24	52.69	-21.31	74	38.19	32.85	11.2	29.55	115	7	P	H
		5357.24	42.56	-11.44	54	28.16	32.81	11.11	29.52	115	7	A	H
		5035.1	53.75	-20.25	74	39.02	33.2	10.95	29.42	396	280	P	V
		5086.32	43.67	-10.33	54	29.11	33.05	10.95	29.44	396	280	A	V
	*	5240	113.91	-	-	99.38	33.02	11	29.49	396	280	P	V
	*	5240	106.57	-	-	92.04	33.02	11	29.49	396	280	A	V
		5358.08	52.21	-21.79	74	37.8	32.82	11.11	29.52	396	280	P	V
		5350.8	42.44	-11.56	54	28.06	32.8	11.1	29.52	396	280	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. 9+8	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	48.23	-19.97	68.2	59.95	38.92	16.08	66.72	-	-	P	H
		15540	47.51	-26.49	74	55.68	37.92	20.04	66.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	51.9	-16.3	68.2	63.62	38.92	16.08	66.72	-	-	P	V
		15540	47.92	-26.08	74	56.09	37.92	20.04	66.13	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	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	47.6	-20.6	68.2	59.27	38.92	16.15	66.74	-	-	P	H
		15660	47.38	-26.62	74	56.12	37.44	20.1	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	52.79	-15.41	68.2	64.46	38.92	16.15	66.74	-	-	P	V
		15660	47.95	-26.05	74	56.69	37.44	20.1	66.28	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	49.67	-18.53	68.2	61.4	38.84	16.18	66.75	-	-	P	H
		15720	47.42	-26.58	74	56.43	37.22	20.13	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	53.16	-15.04	68.2	64.89	38.84	16.18	66.75	-	-	P	V
		15720	47.62	-26.38	74	56.63	37.22	20.13	66.36	-	-	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 1 5150~5250MHz

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

WIFI Ant. 9+8	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)
		5140.66	68.49	-5.51	74	53.99	33	10.96	29.46	124	6	P	H
		5150	51.8	-2.2	54	37.3	33	10.96	29.46	124	6	A	H
	*	5180	113.15	-	-	98.6	33.06	10.96	29.47	124	6	P	H
	*	5180	102.95	-	-	88.4	33.06	10.96	29.47	124	6	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	69.63	-4.37	74	55.13	33	10.96	29.46	384	278	P	V
5180MHz		5149.5	50.23	-3.77	54	35.73	33	10.96	29.46	384	278	A	V
	*	5180	111.89	-	-	97.34	33.06	10.96	29.47	384	278	P	V
	*	5180	102.51	-	-	87.96	33.06	10.96	29.47	384	278	A	V
													V
													V
		5150	66.82	-7.18	74	52.32	33	10.96	29.46	100	5	P	H
		5148.98	51.2	-2.8	54	36.7	33	10.96	29.46	100	5	A	H
	*	5220	115.81	-	-	101.25	33.06	10.98	29.48	100	5	P	H
	*	5220	105.77	-	-	91.21	33.06	10.98	29.48	100	5	A	H
802.11ax		5431.44	53.81	-20.19	74	39.31	32.84	11.21	29.55	100	5	P	H
HE20 Full		5356.12	41.79	-12.21	54	27.39	32.81	11.11	29.52	100	5	A	H
CH 44		5147.16	64.53	-9.47	74	50.03	33	10.96	29.46	357	279	P	V
5220MHz		5146.64	49.35	-4.65	54	34.85	33	10.96	29.46	357	279	A	V
	*	5220	112.97	-	-	98.41	33.06	10.98	29.48	357	279	P	V
	*	5220	104.27	-	-	89.71	33.06	10.98	29.48	357	279	A	V
		5373.76	54	-20	74	39.55	32.85	11.13	29.53	357	279	P	V
		5351.92	42	-12	54	27.62	32.8	11.1	29.52	357	279	A	V

802.11ax HE20 Full CH 48 5240MHz		5148.2	61.97	-12.03	74	47.47	33	10.96	29.46	100	8	P	H
		5148.72	49.49	-4.51	54	34.99	33	10.96	29.46	100	8	A	H
	*	5240	115.68	-	-	101.15	33.02	11	29.49	100	8	P	H
	*	5240	106.38	-	-	91.85	33.02	11	29.49	100	8	A	H
		5354.16	56.69	-17.31	74	42.29	32.81	11.11	29.52	100	8	P	H
		5355.56	44.88	-9.12	54	30.48	32.81	11.11	29.52	100	8	A	H
		5147.94	60.34	-13.66	74	45.84	33	10.96	29.46	400	284	P	V
		5145.34	47.29	-6.71	54	32.79	33	10.96	29.46	400	284	A	V
	*	5240	115.61	-	-	101.08	33.02	11	29.49	400	284	P	V
	*	5240	105.82	-	-	91.29	33.02	11	29.49	400	284	A	V
		5351.36	58.47	-15.53	74	44.09	32.8	11.1	29.52	400	284	P	V
		5353.04	45.5	-8.5	54	31.1	32.81	11.11	29.52	400	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.02	-21.18	68.2	58.74	38.92	16.08	66.72	-	-	P	H
		15540	47.52	-26.48	74	55.69	37.92	20.04	66.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	50.88	-17.32	68.2	62.6	38.92	16.08	66.72	-	-	P	V
5180MHz		15540	47.43	-26.57	74	55.6	37.92	20.04	66.13	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.9	-20.3	68.2	59.57	38.92	16.15	66.74	-	-	P	H
		15660	47.26	-26.74	74	56	37.44	20.1	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	51.95	-16.25	68.2	63.62	38.92	16.15	66.74	-	-	P	V
5220MHz		15660	47.41	-26.59	74	56.15	37.44	20.1	66.28	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	48.71	-19.49	68.2	60.44	38.84	16.18	66.75	-	-	P	H
		15720	46.9	-27.1	74	55.91	37.22	20.13	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	51.23	-16.97	68.2	62.96	38.84	16.18	66.75	-	-	P	V
5240MHz		15720	47.91	-26.09	74	56.92	37.22	20.13	66.36	-	-	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 1 5150~5250MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5147.94	66.21	-7.79	74	51.71	33	10.96	29.46	116	1	P	H
		5150	50.16	-3.84	54	35.66	33	10.96	29.46	116	1	A	H
	*	5180	118.24	-	-	103.69	33.06	10.96	29.47	116	1	P	H
	*	5180	109.14	-	-	94.59	33.06	10.96	29.47	116	1	A	H
													H
													H
		5149.24	66.93	-7.07	74	52.43	33	10.96	29.46	329	284	P	V
		5150	49.32	-4.68	54	34.82	33	10.96	29.46	329	284	A	V
	*	5180	116.09	-	-	101.54	33.06	10.96	29.47	329	284	P	V
	*	5180	107.13	-	-	92.58	33.06	10.96	29.47	329	284	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. 9+8	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		5146.64	65.74	-8.26	74	51.24	33	10.96	29.46	100	176	P	H
		5147.68	52	-2	54	37.5	33	10.96	29.46	100	176	A	H
	*	5190	108.13	-	-	93.56	33.08	10.96	29.47	100	176	P	H
	*	5190	98.76	-	-	84.19	33.08	10.96	29.47	100	176	A	H
		5410.72	53.09	-20.91	74	38.58	32.88	11.17	29.54	100	176	P	H
		5354.16	41.34	-12.66	54	26.94	32.81	11.11	29.52	100	176	A	H
		5149.5	66.46	-7.54	74	51.96	33	10.96	29.46	100	279	P	V
		5150.02	49.17	-100.83	150	34.67	33	10.96	29.46	100	279	A	V
	*	5190	108.55	-	-	93.98	33.08	10.96	29.47	100	279	P	V
	*	5190	99.15	-	-	84.58	33.08	10.96	29.47	100	279	A	V
		5428.08	52.88	-21.12	74	38.38	32.84	11.21	29.55	100	279	P	V
		5351.64	41.48	-12.52	54	27.1	32.8	11.1	29.52	100	279	A	V
802.11ax HE40 Full CH 46 5230MHz		5145.34	66.84	-7.16	74	52.34	33	10.96	29.46	107	177	P	H
		5145.34	52.03	-1.97	54	37.53	33	10.96	29.46	107	177	A	H
	*	5230	109.88	-	-	95.33	33.04	10.99	29.48	107	177	P	H
	*	5230	100.27	-	-	85.72	33.04	10.99	29.48	107	177	A	H
		5384.96	58.3	-15.7	74	43.82	32.87	11.14	29.53	107	177	P	H
		5356.4	45.38	-8.62	54	30.98	32.81	11.11	29.52	107	177	A	H
		5139.1	61.31	-12.69	74	46.8	33	10.96	29.45	100	280	P	V
		5150	48.08	-5.92	54	33.58	33	10.96	29.46	100	280	A	V
	*	5230	110.5	-	-	95.95	33.04	10.99	29.48	100	280	P	V
	*	5230	101.14	-	-	86.59	33.04	10.99	29.48	100	280	A	V
		5352.76	57.06	-16.94	74	42.66	32.81	11.11	29.52	100	280	P	V
		5353.6	44.6	-9.4	54	30.2	32.81	11.11	29.52	100	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.71	-20.49	68.2	59.39	38.96	16.09	66.73	-	-	P	H
		15570	47.41	-26.59	74	55.67	37.86	20.05	66.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	48.67	-19.53	68.2	60.35	38.96	16.09	66.73	-	-	P	V
5190MHz		15570	47.9	-26.1	74	56.16	37.86	20.05	66.17	-	-	P	V
													V
													V
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													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	47.08	-21.12	68.2	58.78	38.88	16.16	66.74	-	-	P	H
		15690	48.2	-25.8	74	57.15	37.26	20.11	66.32	-	-	P	H
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													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	47.69	-20.51	68.2	59.39	38.88	16.16	66.74	-	-	P	V
5230MHz		15690	47.62	-26.38	74	56.57	37.26	20.11	66.32	-	-	P	V
													V
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Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

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

WIFI Ant. 9+8	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 Partial 242/61 CH 38 5190MHz		5149.76	70.19	-3.81	74	55.69	33	10.96	29.46	116	1	P	H
		5150	51.83	-2.17	54	37.33	33	10.96	29.46	116	1	A	H
	*	5190	113.25	-	-	98.68	33.08	10.96	29.47	116	1	P	H
	*	5190	102.46	-	-	87.89	33.08	10.96	29.47	116	1	A	H
		5371.8	53.45	-20.55	74	39.02	32.84	11.12	29.53	116	1	P	H
		5352.76	41.68	-12.32	54	27.28	32.81	11.11	29.52	116	1	A	H
		5149.5	67.88	-6.12	74	53.38	33	10.96	29.46	119	279	P	V
		5150	50.37	-3.63	54	35.87	33	10.96	29.46	119	279	A	V
	*	5190	111.65	-	-	97.08	33.08	10.96	29.47	119	279	P	V
	*	5190	101.5	-	-	86.93	33.08	10.96	29.47	119	279	A	V
		5454.12	53.48	-20.52	74	38.97	32.81	11.26	29.56	119	279	P	V
		5351.08	41.37	-12.63	54	26.99	32.8	11.1	29.52	119	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 9+8	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		5130.78	64.89	-9.11	74	50.38	33	10.96	29.45	100	6	P	H
		5141.44	52.29	-1.71	54	37.79	33	10.96	29.46	100	6	A	H
	*	5210	105.85	-	-	91.28	33.08	10.97	29.48	100	6	P	H
	*	5210	95.4	-	-	80.83	33.08	10.97	29.48	100	6	A	H
		5392.8	53.87	-20.13	74	39.38	32.89	11.14	29.54	100	6	P	H
		5353.32	42.09	-11.91	54	27.69	32.81	11.11	29.52	100	6	A	H
		5141.7	65.37	-8.63	74	50.87	33	10.96	29.46	100	278	P	V
		5141.44	52.52	-1.48	54	38.02	33	10.96	29.46	100	278	A	V
	*	5210	105.18	-	-	90.61	33.08	10.97	29.48	100	278	P	V
	*	5210	94.41	-	-	79.84	33.08	10.97	29.48	100	278	A	V
		5405.96	54.52	-19.48	74	40.01	32.89	11.16	29.54	100	278	P	V
		5352.2	42.93	-11.07	54	28.55	32.8	11.1	29.52	100	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.85	-21.35	68.2	58.5	38.96	16.13	66.74	-	-	P	H
		15630	46.99	-27.01	74	55.53	37.62	20.08	66.24	-	-	P	H
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													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	47.19	-21.01	68.2	58.84	38.96	16.13	66.74	-	-	P	V
5210MHz		15630	46.64	-27.36	74	55.18	37.62	20.08	66.24	-	-	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 1 5150~5250MHz

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

WIFI Ant. 9+8	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 Partial 484/65 CH 42 5210MHz		5149.76	70.57	-3.43	74	56.07	33	10.96	29.46	114	1	P	H
		5150	52.45	-1.55	54	37.95	33	10.96	29.46	114	1	A	H
	*	5210	105.85	-	-	91.28	33.08	10.97	29.48	114	1	P	H
	*	5210	97.42	-	-	82.85	33.08	10.97	29.48	114	1	A	H
		5364.52	53.26	-20.74	74	38.84	32.83	11.12	29.53	114	1	P	H
		5351.36	41.24	-12.76	54	26.86	32.8	11.1	29.52	114	1	A	H
		5150	67.58	-6.42	74	53.08	33	10.96	29.46	104	278	P	V
		5150	51.93	-2.07	54	37.43	33	10.96	29.46	104	278	A	V
	*	5210	105.14	-	-	90.57	33.08	10.97	29.48	104	278	P	V
	*	5210	96.68	-	-	82.11	33.08	10.97	29.48	104	278	A	V
		5452.72	52.68	-21.32	74	38.16	32.81	11.26	29.55	104	278	P	V
		5353.32	41.31	-12.69	54	26.91	32.81	11.11	29.52	104	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 50 5250MHz		5145.18	60.48	-13.52	74	45.98	33	10.96	29.46	100	202	P	H
		5127.16	50.18	-3.82	54	35.67	33	10.96	29.45	100	202	A	H
	*	5250	106.45	-	-	91.93	33	11.01	29.49	100	202	P	H
	*	5250	96.54	-	-	82.02	33	11.01	29.49	100	202	A	H
		5381.76	59.09	-14.91	74	44.63	32.86	11.13	29.53	100	202	P	H
		5392.32	51.93	-2.07	54	37.45	32.88	11.14	29.54	100	202	A	H
		5126.14	60.1	-13.9	74	45.59	33	10.96	29.45	100	285	P	V
		5126.14	51.86	-2.14	54	37.35	33	10.96	29.45	100	285	A	V
	*	5250	100.61	-	-	86.09	33	11.01	29.49	100	285	P	V
	*	5250	91.42	-	-	76.9	33	11.01	29.49	100	285	A	V
		5363.04	59.38	-14.62	74	44.97	32.83	11.11	29.53	100	285	P	V
		5363.04	51.73	-2.27	54	37.32	32.83	11.11	29.53	100	285	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	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)
		10500	47.03	-21.17	68.2	58.78	38.8	16.2	66.75	-	-	P	H
		15750	47.48	-26.52	74	56.49	37.25	20.14	66.4	-	-	P	H
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													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	47.28	-20.92	68.2	59.03	38.8	16.2	66.75	-	-	P	V
5250MHz		15750	47.72	-26.28	74	56.73	37.25	20.14	66.4	-	-	P	V
													V
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													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

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

WIFI Ant. 9+8	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 HE160 Partial 996/67 CH 50 5250MHz		5132.08	71.91	-2.09	74	57.4	33	10.96	29.45	100	183	P	H
		5128.18	49.37	-4.63	54	34.86	33	10.96	29.45	100	183	A	H
	*	5250	102.23	-	-	87.71	33	11.01	29.49	100	183	P	H
	*	5250	93.07	-	-	78.55	33	11.01	29.49	100	183	A	H
		5391.96	68.78	-5.22	74	54.3	32.88	11.14	29.54	100	183	P	H
		5392.24	46.66	-7.34	54	32.18	32.88	11.14	29.54	100	183	A	H
		5134.68	69.99	-4.01	74	55.48	33	10.96	29.45	100	123	P	V
		5149.5	48.47	-5.53	54	33.97	33	10.96	29.46	100	123	A	V
	*	5250	102.07	-	-	87.55	33	11.01	29.49	100	123	P	V
	*	5250	92.67	-	-	78.15	33	11.01	29.49	100	123	A	V
		5404	67.12	-6.88	74	52.61	32.89	11.16	29.54	100	123	P	V
		5398.68	45.2	-8.8	54	30.69	32.9	11.15	29.54	100	123	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 9+8	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		5075.82	55.03	-18.97	74	40.41	33.1	10.95	29.43	100	5	P	H
		5101.66	44.26	-9.74	54	29.74	33	10.96	29.44	100	5	A	H
	*	5260	114.17	-	-	99.66	32.98	11.02	29.49	100	5	P	H
	*	5260	106.64	-	-	92.13	32.98	11.02	29.49	100	5	A	H
		5413.2	54.18	-19.82	74	39.67	32.87	11.18	29.54	100	5	P	H
		5355.84	43.18	-10.82	54	28.78	32.81	11.11	29.52	100	5	A	H
		5048.62	54.62	-19.38	74	39.9	33.2	10.95	29.43	100	281	P	V
		5107.44	43.99	-10.01	54	29.47	33	10.96	29.44	100	281	A	V
	*	5260	113.62	-	-	99.11	32.98	11.02	29.49	100	281	P	V
	*	5260	105.96	-	-	91.45	32.98	11.02	29.49	100	281	A	V
		5437.68	53.84	-20.16	74	39.34	32.82	11.23	29.55	100	281	P	V
		5351.76	42.96	-11.04	54	28.58	32.8	11.1	29.52	100	281	A	V
802.11a CH 60 5300MHz		5142.46	54.95	-19.05	74	40.45	33	10.96	29.46	108	337	P	H
		5144.84	44.06	-9.94	54	29.56	33	10.96	29.46	108	337	A	H
	*	5300	114.08	-	-	99.63	32.9	11.06	29.51	108	337	P	H
	*	5300	106.63	-	-	92.18	32.9	11.06	29.51	108	337	A	H
		5430.24	55.13	-18.87	74	40.63	32.84	11.21	29.55	108	337	P	H
		5350.08	45.26	-8.74	54	30.88	32.8	11.1	29.52	108	337	A	H
		5112.54	54.33	-19.67	74	39.82	33	10.96	29.45	388	281	P	V
		5145.86	44.12	-9.88	54	29.62	33	10.96	29.46	388	281	A	V
	*	5300	112.69	-	-	98.24	32.9	11.06	29.51	388	281	P	V
	*	5300	105.53	-	-	91.08	32.9	11.06	29.51	388	281	A	V
		5427.12	53.16	-20.84	74	38.66	32.85	11.2	29.55	388	281	P	V
		5353.92	43.69	-10.31	54	29.29	32.81	11.11	29.52	388	281	A	V

802.11a CH 64 5320MHz	*	5320	112.18	-	-	97.76	32.86	11.07	29.51	108	348	P	H
	*	5320	104.66	-	-	90.24	32.86	11.07	29.51	108	348	A	H
		5350.08	64.56	-9.44	74	50.18	32.8	11.1	29.52	108	348	P	H
		5350.08	52.77	-1.23	54	38.39	32.8	11.1	29.52	108	348	A	H
													H
													H
	*	5320	111.64	-	-	97.22	32.86	11.07	29.51	109	283	P	V
	*	5320	104.28	-	-	89.86	32.86	11.07	29.51	109	283	A	V
		5350.4	63.25	-10.75	74	48.87	32.8	11.1	29.52	109	283	P	V
		5350.56	51.84	-2.16	54	37.46	32.8	11.1	29.52	109	283	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. 9+8	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	49.07	-19.13	68.2	60.68	38.88	16.23	66.72	-	-	P	H
		15780	47.57	-26.43	74	56.56	37.28	20.16	66.43	-	-	P	H
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													H
													H
													H
		10520	52	-16.2	68.2	63.61	38.88	16.23	66.72	-	-	P	V
		15780	47.79	-26.21	74	56.78	37.28	20.16	66.43	-	-	P	V
													V
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													V
													V

WIFI Ant. 9+8	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	52.88	-21.12	74	64	39.2	16.3	66.62	100	128	P	H
		10600	41.87	-12.13	54	52.99	39.2	16.3	66.62	100	128	A	H
		15900	45.9	-28.1	74	55.05	37.2	20.23	66.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	56.44	-17.56	74	67.56	39.2	16.3	66.62	100	305	P	V
		10600	45.86	-8.14	54	56.98	39.2	16.3	66.62	100	305	A	V
		15900	46.71	-27.29	74	55.86	37.2	20.23	66.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	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	51.66	-22.34	74	62.7	39.2	16.33	66.57	100	129	P	H
		10640	40.8	-13.2	54	51.84	39.2	16.33	66.57	100	129	A	H
		15960	47.39	-26.61	74	56.65	37.14	20.26	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	54.67	-19.33	74	65.71	39.2	16.33	66.57	104	310	P	V
		10640	45.9	-8.1	54	56.94	39.2	16.33	66.57	104	310	A	V
		15960	46.9	-27.1	74	56.16	37.14	20.26	66.66	-	-	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 2 5250~5350MHz

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

WIFI Ant. 9+8	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		5144.5	55.99	-18.01	74	41.49	33	10.96	29.46	120	5	P	H
		5146.54	44.83	-9.17	54	30.33	33	10.96	29.46	120	5	A	H
	*	5260	116.07	-	-	101.56	32.98	11.02	29.49	120	5	P	H
	*	5260	105.9	-	-	91.39	32.98	11.02	29.49	120	5	A	H
		5350.08	65.75	-8.25	74	51.37	32.8	11.1	29.52	120	5	P	H
		5351.04	47.05	-6.95	54	32.67	32.8	11.1	29.52	120	5	A	H
		5148.92	56.27	-17.73	74	41.77	33	10.96	29.46	395	280	P	V
		5149.94	44.66	-9.34	54	30.16	33	10.96	29.46	395	280	A	V
	*	5260	115.19	-	-	100.68	32.98	11.02	29.49	395	280	P	V
	*	5260	105.24	-	-	90.73	32.98	11.02	29.49	395	280	A	V
		5351.76	60.31	-13.69	74	45.93	32.8	11.1	29.52	395	280	P	V
		5351.76	46.48	-7.52	54	32.1	32.8	11.1	29.52	395	280	A	V
802.11ax HE20 Full CH 60 5300MHz		5136.68	53.19	-20.81	74	38.68	33	10.96	29.45	121	4	P	H
		5147.9	43.13	-10.87	54	28.63	33	10.96	29.46	121	4	A	H
	*	5300	114.23	-	-	99.78	32.9	11.06	29.51	121	4	P	H
	*	5300	104.63	-	-	90.18	32.9	11.06	29.51	121	4	A	H
		5358.72	69.51	-4.49	74	55.1	32.82	11.11	29.52	121	4	P	H
		5351.04	52.56	-1.44	54	38.18	32.8	11.1	29.52	121	4	A	H
		5101.32	54.15	-19.85	74	39.63	33	10.96	29.44	388	283	P	V
		5145.86	43.11	-10.89	54	28.61	33	10.96	29.46	388	283	A	V
	*	5300	114.69	-	-	100.24	32.9	11.06	29.51	388	283	P	V
	*	5300	104.33	-	-	89.88	32.9	11.06	29.51	388	283	A	V
		5350.08	65.86	-8.14	74	51.48	32.8	11.1	29.52	388	283	P	V
		5350.08	51.98	-2.02	54	37.6	32.8	11.1	29.52	388	283	A	V

	*	5320	114.41	-	-	99.99	32.86	11.07	29.51	102	335	P	H
	*	5320	103.41	-	-	88.99	32.86	11.07	29.51	102	335	A	H
		5350.4	71.66	-2.34	74	57.28	32.8	11.1	29.52	102	335	P	H
		5350.08	51.21	-2.79	54	36.83	32.8	11.1	29.52	102	335	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	114.21	-	-	99.79	32.86	11.07	29.51	386	283	P	V
5320MHz	*	5320	102.84	-	-	88.42	32.86	11.07	29.51	386	283	A	V
		5350.08	68.06	-5.94	74	53.68	32.8	11.1	29.52	386	283	P	V
		5350.08	50.51	-3.49	54	36.13	32.8	11.1	29.52	386	283	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.59	-20.61	68.2	59.2	38.88	16.23	66.72	-	-	P	H
		15780	47.85	-26.15	74	56.84	37.28	20.16	66.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	50.7	-17.5	68.2	62.31	38.88	16.23	66.72	-	-	P	V
5260MHz		15780	47.94	-26.06	74	56.93	37.28	20.16	66.43	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.78	-26.22	74	58.9	39.2	16.3	66.62	-	-	P	H
		15900	47.19	-26.81	74	56.34	37.2	20.23	66.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	55.63	-18.37	74	66.75	39.2	16.3	66.62	100	306	P	V
5300MHz		10600	45.33	-8.67	54	56.45	39.2	16.3	66.62	100	306	A	V
		15900	45.98	-28.02	74	55.13	37.2	20.23	66.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.45	-26.55	74	58.49	39.2	16.33	66.57	-	-	P	H
		15960	47.15	-26.85	74	56.41	37.14	20.26	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	53.35	-20.65	74	64.39	39.2	16.33	66.57	100	305	P	V
5320MHz		10640	44.13	-9.87	54	55.17	39.2	16.33	66.57	100	305	A	V
		15960	47.5	-26.5	74	56.76	37.14	20.26	66.66	-	-	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 2 5250~5350MHz

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

WIFI Ant. 9+8	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	117.27	-	-	102.85	32.86	11.07	29.51	100	336	P	H
	*	5320	108.32	-	-	93.9	32.86	11.07	29.51	100	336	A	H
		5350.88	61.71	-12.29	74	47.33	32.8	11.1	29.52	100	336	P	H
		5350.08	46.45	-7.55	54	32.07	32.8	11.1	29.52	100	336	A	H
													H
													H
	*	5320	115.99	-	-	101.57	32.86	11.07	29.51	385	279	P	V
	*	5320	107.55	-	-	93.13	32.86	11.07	29.51	385	279	A	V
		5351.36	60.25	-13.75	74	45.87	32.8	11.1	29.52	385	279	P	V
		5350.08	45.4	-8.6	54	31.02	32.8	11.1	29.52	385	279	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. 9+8	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		5132.94	60.67	-13.33	74	46.16	33	10.96	29.45	105	335	P	H
		5146.54	46.64	-7.36	54	32.14	33	10.96	29.46	105	335	A	H
	*	5270	111.6	-	-	97.11	32.96	11.03	29.5	105	335	P	H
	*	5270	101.39	-	-	86.9	32.96	11.03	29.5	105	335	A	H
		5360.88	67.17	-6.83	74	52.77	32.82	11.11	29.53	105	335	P	H
		5350.08	51.93	-2.07	54	37.55	32.8	11.1	29.52	105	335	A	H
		5138.72	58.11	-15.89	74	43.6	33	10.96	29.45	100	126	P	V
		5148.24	46.42	-7.58	54	31.92	33	10.96	29.46	100	126	A	V
	*	5270	111.15	-	-	96.66	32.96	11.03	29.5	100	126	P	V
	*	5270	100.15	-	-	85.66	32.96	11.03	29.5	100	126	A	V
		5350.08	64.85	-9.15	74	50.47	32.8	11.1	29.52	100	126	P	V
		5350.08	50.37	-3.63	54	35.99	32.8	11.1	29.52	100	126	A	V
802.11ax HE40 Full CH 62 5310MHz		5146.54	54.42	-19.58	74	39.92	33	10.96	29.46	100	351	P	H
		5148.24	43.03	-10.97	54	28.53	33	10.96	29.46	100	351	A	H
	*	5310	110.75	-	-	96.32	32.88	11.06	29.51	100	351	P	H
	*	5310	100.36	-	-	85.93	32.88	11.06	29.51	100	351	A	H
		5350.32	65.94	-8.06	74	51.56	32.8	11.1	29.52	100	351	P	H
		5350.56	51.06	-2.94	54	36.68	32.8	11.1	29.52	100	351	A	H
		5064.6	53.86	-20.14	74	39.2	33.14	10.95	29.43	107	283	P	V
		5149.6	42.93	-11.07	54	28.43	33	10.96	29.46	107	283	A	V
	*	5310	109.27	-	-	94.84	32.88	11.06	29.51	107	283	P	V
	*	5310	99.88	-	-	85.45	32.88	11.06	29.51	107	283	A	V
		5352.48	70.43	-3.57	74	56.05	32.8	11.1	29.52	107	283	P	V
		5352.72	51.98	-2.02	54	37.58	32.81	11.11	29.52	107	283	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46	-22.2	68.2	57.49	38.96	16.25	66.7	-	-	P	H
		15810	45.57	-28.43	74	54.58	37.29	20.17	66.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	46.63	-21.57	68.2	58.12	38.96	16.25	66.7	-	-	P	V
5270MHz		15810	45.79	-28.21	74	54.8	37.29	20.17	66.47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	46.93	-27.07	74	58	39.2	16.32	66.59	-	-	P	H
		15930	45.61	-28.39	74	54.82	37.17	20.24	66.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.55	-26.45	74	58.62	39.2	16.32	66.59	-	-	P	V
5310MHz		15930	45.89	-28.11	74	55.1	37.17	20.24	66.62	-	-	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 HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 9+8	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 Partial 242/62 CH 62 5310MHz		5142.46	54.65	-19.35	74	40.15	33	10.96	29.46	100	336	P	H
		5148.58	42.23	-11.77	54	27.73	33	10.96	29.46	100	336	A	H
	*	5310	112.06	-	-	97.63	32.88	11.06	29.51	100	336	P	H
	*	5310	102.85	-	-	88.42	32.88	11.06	29.51	100	336	A	H
		5350.56	72.04	-1.96	74	57.66	32.8	11.1	29.52	100	336	P	H
		5352	52.33	-1.67	54	37.95	32.8	11.1	29.52	100	336	A	H
		5011.22	54.12	-19.88	74	39.38	33.2	10.95	29.41	100	228	P	V
		5096.9	41.96	-12.04	54	27.44	33.01	10.95	29.44	100	228	A	V
	*	5310	106.93	-	-	92.5	32.88	11.06	29.51	100	228	P	V
	*	5310	98.47	-	-	84.04	32.88	11.06	29.51	100	228	A	V
		5350.08	69.01	-4.99	74	54.63	32.8	11.1	29.52	100	228	P	V
		5350.08	49.39	-4.61	54	35.01	32.8	11.1	29.52	100	228	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 9+8	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		5138.04	53.46	-20.54	74	38.95	33	10.96	29.45	104	356	P	H
		5149.94	42.66	-11.34	54	28.16	33	10.96	29.46	104	356	A	H
	*	5290	104.37	-	-	89.9	32.92	11.05	29.5	104	356	P	H
	*	5290	94.97	-	-	80.5	32.92	11.05	29.5	104	356	A	H
		5360.64	60.83	-13.17	74	46.43	32.82	11.11	29.53	104	356	P	H
		5350.32	50.27	-3.73	54	35.89	32.8	11.1	29.52	104	356	A	H
		5149.26	54.45	-19.55	74	39.95	33	10.96	29.46	108	281	P	V
		5140.08	43.12	-10.88	54	28.61	33	10.96	29.45	108	281	A	V
	*	5290	105.5	-	-	91.03	32.92	11.05	29.5	108	281	P	V
	*	5290	94.34	-	-	79.87	32.92	11.05	29.5	108	281	A	V
		5352.48	62.97	-11.03	74	48.59	32.8	11.1	29.52	108	281	P	V
		5351.52	51.84	-2.16	54	37.46	32.8	11.1	29.52	108	281	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.59	-21.61	68.2	57.84	39.12	16.28	66.65	-	-	P	H
		15870	47.8	-26.2	74	56.91	37.23	20.21	66.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	46.21	-21.99	68.2	57.46	39.12	16.28	66.65	-	-	P	V
5290MHz		15870	46.7	-27.3	74	55.81	37.23	20.21	66.55	-	-	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 Partial 484 (Band Edge @ 3m)

WIFI Ant. 9+8	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 Partial 484/66 CH 58 5290MHz		5132.6	56.84	-17.16	74	42.33	33	10.96	29.45	113	341	P	H
		5139.06	42.32	-11.68	54	27.81	33	10.96	29.45	113	341	A	H
	*	5290	107.86	-	-	93.39	32.92	11.05	29.5	113	341	P	H
	*	5290	98.32	-	-	83.85	32.92	11.05	29.5	113	341	A	H
		5354.64	71.95	-2.05	74	57.55	32.81	11.11	29.52	113	341	P	H
		5350.56	52.46	-1.54	54	38.08	32.8	11.1	29.52	113	341	A	H
		5143.48	55.08	-18.92	74	40.58	33	10.96	29.46	400	288	P	V
		5081.6	41.94	-12.06	54	27.36	33.07	10.95	29.44	400	288	A	V
	*	5290	103.27	-	-	88.8	32.92	11.05	29.5	400	288	P	V
	*	5290	95.38	-	-	80.91	32.92	11.05	29.5	400	288	A	V
		5355.36	69.98	-4.02	74	55.58	32.81	11.11	29.52	400	288	P	V
		5350.56	52.1	-1.9	54	37.72	32.8	11.1	29.52	400	288	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 9+8	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		5459.92	59.02	-14.98	74	44.49	32.82	11.27	29.56	100	316	P	H
		5469.36	66.39	-1.81	68.2	51.82	32.84	11.29	29.56	100	316	P	H
		5460	46.98	-7.02	54	32.45	32.82	11.27	29.56	100	316	A	H
	*	5500	113.82	-	-	99.14	32.9	11.35	29.57	100	316	P	H
	*	5500	106.42	-	-	91.74	32.9	11.35	29.57	100	316	A	H
													H
		5458.32	55.41	-18.59	74	40.88	32.82	11.27	29.56	399	299	P	V
		5466.96	64.32	-3.88	68.2	49.77	32.83	11.28	29.56	399	299	P	V
		5458	44.37	-9.63	54	29.84	32.82	11.27	29.56	399	299	A	V
	*	5500	112.35	-	-	97.67	32.9	11.35	29.57	399	299	P	V
	*	5500	105.08	-	-	90.4	32.9	11.35	29.57	399	299	A	V
													V
802.11a CH 116 5580MHz		5427.52	54.69	-19.31	74	40.19	32.84	11.21	29.55	100	320	P	H
		5466.4	53.13	-15.07	68.2	38.58	32.83	11.28	29.56	100	320	P	H
		5433.28	44.27	-9.73	54	29.77	32.83	11.22	29.55	100	320	A	H
	*	5580	114.6	-	-	99.65	33.02	11.51	29.58	100	320	P	H
	*	5580	107.12	-	-	92.17	33.02	11.51	29.58	100	320	A	H
		5764.37	54.81	-13.39	68.2	38.98	33.69	11.76	29.62	100	320	P	H
		5415.76	54.35	-19.65	74	39.84	32.87	11.18	29.54	346	296	P	V
		5460.16	53.17	-15.03	68.2	38.64	32.82	11.27	29.56	346	296	P	V
		5433.04	43.67	-10.33	54	29.17	32.83	11.22	29.55	346	296	A	V
	*	5580	112.89	-	-	97.94	33.02	11.51	29.58	346	296	P	V
	*	5580	105.76	-	-	90.81	33.02	11.51	29.58	346	296	A	V
		5725.94	54.69	-13.51	68.2	39.09	33.5	11.71	29.61	346	296	P	V

802.11a CH 140 5700MHz	*	5700	113.08	-	-	97.61	33.4	11.68	29.61	101	318	P	H
	*	5700	105.24	-	-	89.77	33.4	11.68	29.61	101	318	A	H
		5727.64	65.97	-2.23	68.2	50.36	33.51	11.71	29.61	101	318	P	H
													H
													H
													H
	*	5700	108.98	-	-	93.51	33.4	11.68	29.61	385	288	P	V
	*	5700	101.68	-	-	86.21	33.4	11.68	29.61	385	288	A	V
		5726.12	62.49	-5.71	68.2	46.89	33.5	11.71	29.61	385	288	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. 9+8	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	48.3	-25.7	74	58.85	38.9	16.65	66.1	100	277	P	H
		11000	39.31	-14.69	54	49.86	38.9	16.65	66.1	100	277	A	H
		16500	48.23	-19.97	68.2	55.63	38.1	20.82	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	51.3	-22.7	74	61.85	38.9	16.65	66.1	100	303	P	V
		11000	41.8	-12.2	54	52.35	38.9	16.65	66.1	100	303	A	V
		16500	49.41	-18.79	68.2	56.81	38.1	20.82	66.32	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	47.89	-26.11	74	58.19	39.06	16.78	66.14	-	-	P	H
		16740	48.31	-19.89	68.2	55.53	38.06	21.09	66.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	47.63	-26.37	74	57.93	39.06	16.78	66.14	-	-	P	V
		16740	49.47	-18.73	68.2	56.69	38.06	21.09	66.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		11400	47.02	-26.98	74	57.05	39.2	16.97	66.2	-	-	P	H
		17100	47.85	-20.35	68.2	54.75	38	21.41	66.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	47.33	-26.67	74	57.36	39.2	16.97	66.2	-	-	P	V
		17100	47.38	-20.82	68.2	54.28	38	21.41	66.31	-	-	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 3 - 5470~5725MHz

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

WIFI Ant. 9+8	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		5455.12	58.42	-15.58	74	43.91	32.81	11.26	29.56	100	319	P	H
		5469.04	64.94	-3.26	68.2	50.37	32.84	11.29	29.56	100	319	P	H
		5460	43.2	-10.8	54	28.67	32.82	11.27	29.56	100	319	A	H
	*	5500	112.26	-	-	97.58	32.9	11.35	29.57	100	319	P	H
	*	5500	102.48	-	-	87.8	32.9	11.35	29.57	100	319	A	H
		5457.68	54.65	-19.35	74	40.12	32.82	11.27	29.56	398	298	P	V
		5467.92	58.99	-9.21	68.2	44.42	32.84	11.29	29.56	398	298	P	V
		5459.92	42.17	-11.83	54	27.64	32.82	11.27	29.56	398	298	A	V
	*	5500	110.82	-	-	96.14	32.9	11.35	29.57	398	298	P	V
	*	5500	101.47	-	-	86.79	32.9	11.35	29.57	398	298	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5456.56	57.96	-16.04	74	43.45	32.81	11.26	29.56	100	310	P	H
		5468.32	62.17	-6.03	68.2	47.6	32.84	11.29	29.56	100	310	P	H
		5459.92	44.93	-9.07	54	30.4	32.82	11.27	29.56	100	310	A	H
	*	5580	116.5	-	-	101.55	33.02	11.51	29.58	100	310	P	H
	*	5580	106.26	-	-	91.31	33.02	11.51	29.58	100	310	A	H
		5739.8	55.38	-12.82	68.2	39.71	33.56	11.72	29.61	100	310	P	H
		5457.04	54.9	-19.1	74	40.39	32.81	11.26	29.56	365	295	P	V
		5460.64	57.08	-11.12	68.2	42.55	32.82	11.27	29.56	365	295	P	V
		5429.2	43.38	-10.62	54	28.88	32.84	11.21	29.55	365	295	A	V
	*	5580	114.47	-	-	99.52	33.02	11.51	29.58	365	295	P	V
	*	5580	104.85	-	-	89.9	33.02	11.51	29.58	365	295	A	V
		5764.685	55.23	-12.97	68.2	39.4	33.69	11.76	29.62	365	295	P	V

802.11ax HE20 Full CH 140 5700MHz	*	5700	112.57	-	-	97.1	33.4	11.68	29.61	101	319	P	H
	*	5700	101.24	-	-	85.77	33.4	11.68	29.61	101	319	A	H
		5725.16	65.73	-2.47	68.2	50.13	33.5	11.71	29.61	101	319	P	H
													H
													H
													H
	*	5700	107.12	-	-	91.65	33.4	11.68	29.61	384	288	P	V
	*	5700	97.82	-	-	82.35	33.4	11.68	29.61	384	288	A	V
		5726.04	59.76	-8.44	68.2	44.16	33.5	11.71	29.61	384	288	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.56	-27.44	74	57.11	38.9	16.65	66.1	-	-	P	H
		16500	48.07	-20.13	68.2	55.47	38.1	20.82	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	47.09	-26.91	74	57.64	38.9	16.65	66.1	-	-	P	V
5500MHz		16500	48.56	-19.64	68.2	55.96	38.1	20.82	66.32	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.52	-26.48	74	57.82	39.06	16.78	66.14	-	-	P	H
		16740	48.28	-19.92	68.2	55.5	38.06	21.09	66.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	47.96	-26.04	74	58.26	39.06	16.78	66.14	-	-	P	V
5580MHz		16740	48.33	-19.87	68.2	55.55	38.06	21.09	66.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	46.35	-27.65	74	56.38	39.2	16.97	66.2	-	-	P	H
		17100	46.62	-21.58	68.2	53.52	38	21.41	66.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	46.82	-27.18	74	56.85	39.2	16.97	66.2	-	-	P	V
5700MHz		17100	46.72	-21.48	68.2	53.62	38	21.41	66.31	-	-	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 3 5470~5725MHz

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

WIFI Ant. 9+8	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		5456.24	56.61	-17.39	74	42.1	32.81	11.26	29.56	100	315	P	H
		5469.36	63.84	-4.36	68.2	49.27	32.84	11.29	29.56	100	315	P	H
		5459.6	43.03	-10.97	54	28.5	32.82	11.27	29.56	100	315	A	H
	*	5500	116.66	-	-	101.98	32.9	11.35	29.57	100	315	P	H
	*	5500	108.39	-	-	93.71	32.9	11.35	29.57	100	315	A	H
													H
		5457.84	53.65	-20.35	74	39.12	32.82	11.27	29.56	100	286	P	V
		5466.64	61.35	-6.85	68.2	46.8	32.83	11.28	29.56	100	286	P	V
		5459.76	41.72	-12.28	54	27.19	32.82	11.27	29.56	100	286	A	V
	*	5500	116.18	-	-	101.5	32.9	11.35	29.57	100	286	P	V
	*	5500	106.97	-	-	92.29	32.9	11.35	29.57	100	286	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	115.65	-	-	100.18	33.4	11.68	29.61	100	321	P	H
	*	5700	106.93	-	-	91.46	33.4	11.68	29.61	100	321	A	H
		5725.16	66.33	-1.87	68.2	50.73	33.5	11.71	29.61	100	321	P	H
													H
													H
													H
	*	5700	115.13	-	-	99.66	33.4	11.68	29.61	100	295	P	V
	*	5700	105.97	-	-	90.5	33.4	11.68	29.61	100	295	A	V
		5725.08	64.13	-4.07	68.2	48.53	33.5	11.71	29.61	100	295	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 9+8	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		5454.4	64.22	-9.78	74	49.71	32.81	11.26	29.56	100	317	P	H
		5461.12	65.52	-2.68	68.2	50.99	32.82	11.27	29.56	100	317	P	H
		5459.92	45.71	-8.29	54	31.18	32.82	11.27	29.56	100	317	A	H
	*	5510	109.96	-	-	95.26	32.9	11.37	29.57	100	317	P	H
	*	5510	99.23	-	-	84.53	32.9	11.37	29.57	100	317	A	H
		5742.95	54.22	-13.98	68.2	38.53	33.57	11.73	29.61	100	317	P	H
		5453.68	63.43	-10.57	74	48.92	32.81	11.26	29.56	399	299	P	V
		5462.32	65.85	-2.35	68.2	51.32	32.82	11.27	29.56	399	299	P	V
		5455.84	45.98	-8.02	54	31.47	32.81	11.26	29.56	399	299	A	V
	*	5510	109.59	-	-	94.89	32.9	11.37	29.57	399	299	P	V
	*	5510	98.96	-	-	84.26	32.9	11.37	29.57	399	299	A	V
		5764.055	54.59	-13.61	68.2	38.77	33.68	11.76	29.62	399	299	P	V
802.11ax HE40 Full CH 110 5550MHz		5458.48	64.65	-9.35	74	50.12	32.82	11.27	29.56	100	319	P	H
		5466.16	66.55	-1.65	68.2	52	32.83	11.28	29.56	100	319	P	H
		5459.92	47.64	-6.36	54	33.11	32.82	11.27	29.56	100	319	A	H
	*	5550	111.9	-	-	97.13	32.9	11.45	29.58	100	319	P	H
	*	5550	101.93	-	-	87.16	32.9	11.45	29.58	100	319	A	H
		5759.96	55.04	-13.16	68.2	39.25	33.66	11.75	29.62	100	319	P	H
		5425.12	60.04	-13.96	74	45.54	32.85	11.2	29.55	392	310	P	V
		5461.36	59.57	-8.63	68.2	45.04	32.82	11.27	29.56	392	310	P	V
		5453.44	44.18	-9.82	54	29.67	32.81	11.26	29.56	392	310	A	V
	*	5550	109.46	-	-	94.69	32.9	11.45	29.58	392	310	P	V
	*	5550	99.86	-	-	85.09	32.9	11.45	29.58	392	310	A	V
		5759.33	54.78	-13.42	68.2	38.99	33.66	11.75	29.62	392	310	P	V

802.11ax HE40 Full CH 134 5670MHz		5430.15	54.07	-19.93	74	39.57	32.84	11.21	29.55	100	324	P	H
		5464.1	52.55	-15.65	68.2	38	32.83	11.28	29.56	100	324	P	H
		5459.9	41.34	-12.66	54	26.81	32.82	11.27	29.56	100	324	A	H
	*	5670	109.67	-	-	94.47	33.16	11.64	29.6	100	324	P	H
	*	5670	99.67	-	-	84.47	33.16	11.64	29.6	100	324	A	H
		5725.275	65.87	-2.33	68.2	50.27	33.5	11.71	29.61	100	324	P	H
		5350.7	53.43	-20.57	74	39.05	32.8	11.1	29.52	100	293	P	V
		5468.65	52.25	-15.95	68.2	37.68	32.84	11.29	29.56	100	293	P	V
		5458.5	41.29	-12.71	54	26.76	32.82	11.27	29.56	100	293	A	V
	*	5670	108.6	-	-	93.4	33.16	11.64	29.6	100	293	P	V
	*	5670	98.75	-	-	83.55	33.16	11.64	29.6	100	293	A	V
		5726.85	60.12	-8.08	68.2	44.51	33.51	11.71	29.61	100	293	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.82	-27.18	74	57.33	38.92	16.67	66.1	-	-	P	H
		16530	48.51	-19.69	68.2	55.88	38.1	20.86	66.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	47.42	-26.58	74	57.93	38.92	16.67	66.1	-	-	P	V
5510MHz		16530	48.05	-20.15	68.2	55.42	38.1	20.86	66.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	47.53	-26.47	74	57.92	39	16.73	66.12	-	-	P	H
		16650	48.53	-19.67	68.2	55.79	38.1	20.99	66.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	46.69	-27.31	74	57.08	39	16.73	66.12	-	-	P	V
5550MHz		16650	49.08	-19.12	68.2	56.34	38.1	20.99	66.35	-	-	P	V
													V
													V
													V
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													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.61	-26.39	74	57.66	39.2	16.93	66.18	-	-	P	H
		17010	47.81	-20.39	68.2	54.85	38	21.37	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	47.01	-26.99	74	57.06	39.2	16.93	66.18	-	-	P	V
5670MHz		17010	47.22	-20.98	68.2	54.26	38	21.37	66.41	-	-	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 3 5470~5725MHz

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

WIFI Ant. 9+8	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 Partial 242/61 CH 102 5510MHz		5457.76	60.18	-13.82	74	45.65	32.82	11.27	29.56	100	320	P	H
		5468.56	66.71	-1.49	68.2	52.14	32.84	11.29	29.56	100	320	P	H
		5459.92	41.87	-12.13	54	27.34	32.82	11.27	29.56	100	320	A	H
	*	5510	109.66	-	-	94.96	32.9	11.37	29.57	100	320	P	H
	*	5510	100.43	-	-	85.73	32.9	11.37	29.57	100	320	A	H
		5759.645	54.66	-13.54	68.2	38.87	33.66	11.75	29.62	100	320	P	H
		5456.32	59.12	-14.88	74	44.61	32.81	11.26	29.56	100	286	P	V
		5468.08	64.59	-3.61	68.2	50.02	32.84	11.29	29.56	100	286	P	V
		5350.24	41.81	-12.19	54	27.43	32.8	11.1	29.52	100	286	A	V
	*	5510	107.47	-	-	92.77	32.9	11.37	29.57	100	286	P	V
	*	5510	98.65	-	-	83.95	32.9	11.37	29.57	100	286	A	V
		5758.07	55.25	-12.95	68.2	39.47	33.65	11.75	29.62	100	286	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5368.9	52.67	-21.33	74	38.24	32.84	11.12	29.53	100	321	P	H
		5462	52.48	-15.72	68.2	37.95	32.82	11.27	29.56	100	321	P	H
		5459.2	41.28	-12.72	54	26.75	32.82	11.27	29.56	100	321	A	H
	*	5670	113.79	-	-	98.59	33.16	11.64	29.6	100	321	P	H
	*	5670	104.35	-	-	89.15	33.16	11.64	29.6	100	321	A	H
		5732.45	66.64	-1.56	68.2	51	33.53	11.72	29.61	100	321	P	H
		5381.15	53.6	-20.4	74	39.14	32.86	11.13	29.53	100	292	P	V
		5460	52.45	-15.75	68.2	37.92	32.82	11.27	29.56	100	292	P	V
		5373.1	40.97	-13.03	54	26.53	32.85	11.12	29.53	100	292	A	V
	*	5670	111.33	-	-	96.13	33.16	11.64	29.6	100	292	P	V
	*	5670	102.72	-	-	87.52	33.16	11.64	29.6	100	292	A	V
		5738.575	63.17	-5.03	68.2	47.51	33.55	11.72	29.61	100	292	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 9+8	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		5459.68	63.81	-10.19	74	49.28	32.82	11.27	29.56	100	308	P	H
		5469.04	65.23	-2.97	68.2	50.66	32.84	11.29	29.56	100	308	P	H
		5459.92	51.93	-2.07	54	37.4	32.82	11.27	29.56	100	308	A	H
	*	5530	105.61	-	-	90.88	32.9	11.41	29.58	100	308	P	H
	*	5530	95.63	-	-	80.9	32.9	11.41	29.58	100	308	A	H
		5728.145	54.82	-13.38	68.2	39.21	33.51	11.71	29.61	100	308	P	H
		5455.36	63.6	-10.4	74	49.09	32.81	11.26	29.56	100	285	P	V
		5465.92	64.05	-4.15	68.2	49.5	32.83	11.28	29.56	100	285	P	V
		5453.92	50.42	-3.58	54	35.91	32.81	11.26	29.56	100	285	A	V
	*	5530	104.93	-	-	90.2	32.9	11.41	29.58	100	285	P	V
	*	5530	94.66	-	-	79.93	32.9	11.41	29.58	100	285	A	V
		5740.745	55.2	-13	68.2	39.52	33.56	11.73	29.61	100	285	P	V
802.11ax HE80 Full CH 122 5610MHz		5453.25	63.21	-10.79	74	48.7	32.81	11.26	29.56	100	318	P	H
		5464.45	65.87	-2.33	68.2	51.32	32.83	11.28	29.56	100	318	P	H
		5453.25	48.77	-5.23	54	34.26	32.81	11.26	29.56	100	318	A	H
	*	5610	107.27	-	-	92.22	33.08	11.56	29.59	100	318	P	H
	*	5610	97.29	-	-	82.24	33.08	11.56	29.59	100	318	A	H
		5732.975	61.48	-6.72	68.2	45.84	33.53	11.72	29.61	100	318	P	H
		5444.5	62.69	-11.31	74	48.19	32.81	11.24	29.55	100	290	P	V
		5464.1	63.33	-4.87	68.2	48.78	32.83	11.28	29.56	100	290	P	V
		5455	48.2	-5.8	54	33.69	32.81	11.26	29.56	100	290	A	V
	*	5610	105.47	-	-	90.42	33.08	11.56	29.59	100	290	P	V
	*	5610	95.83	-	-	80.78	33.08	11.56	29.59	100	290	A	V
		5725.625	61.08	-7.12	68.2	45.48	33.5	11.71	29.61	100	290	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.09	-26.91	74	57.54	38.96	16.7	66.11	-	-	P	H
		16590	48.59	-19.61	68.2	55.9	38.1	20.93	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.92	-26.08	74	58.37	38.96	16.7	66.11	-	-	P	V
5530MHz		16590	49.24	-18.96	68.2	56.55	38.1	20.93	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	47.34	-26.66	74	57.54	39.12	16.83	66.15	-	-	P	H
		16830	47.21	-20.99	68.2	54.47	37.94	21.19	66.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	46.85	-27.15	74	57.05	39.12	16.83	66.15	-	-	P	V
5610MHz		16830	47.77	-20.43	68.2	55.03	37.94	21.19	66.39	-	-	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 3 5470~5725MHz

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

WIFI Ant. 9+8	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 Partial 484/65 CH 106 5530MHz		5459.92	60.82	-13.18	74	46.29	32.82	11.27	29.56	100	318	P	H
		5465.44	66.1	-2.1	68.2	51.55	32.83	11.28	29.56	100	318	P	H
		5459.92	43.43	-10.57	54	28.9	32.82	11.27	29.56	100	318	A	H
	*	5530	105.47	-	-	90.74	32.9	11.41	29.58	100	318	P	H
	*	5530	96.63	-	-	81.9	32.9	11.41	29.58	100	318	A	H
		5744.84	53.9	-14.3	68.2	38.2	33.58	11.73	29.61	100	318	P	H
		5432.32	59.32	-14.68	74	44.82	32.84	11.21	29.55	100	287	P	V
		5466.88	64.5	-3.7	68.2	49.95	32.83	11.28	29.56	100	287	P	V
		5456.08	42.09	-11.91	54	27.58	32.81	11.26	29.56	100	287	A	V
	*	5530	104.02	-	-	89.29	32.9	11.41	29.58	100	287	P	V
	*	5530	95.14	-	-	80.41	32.9	11.41	29.58	100	287	A	V
		5739.8	53.42	-14.78	68.2	37.75	33.56	11.72	29.61	100	287	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5456.08	66.59	-7.41	74	52.08	32.81	11.26	29.56	100	319	P	H
		5467.36	66.55	-1.65	68.2	52	32.83	11.28	29.56	100	319	P	H
		5457.28	43.85	-10.15	54	29.34	32.81	11.26	29.56	100	319	A	H
	*	5610	111.29	-	-	96.24	33.08	11.56	29.59	100	319	P	H
	*	5610	102.47	-	-	87.42	33.08	11.56	29.59	100	319	A	H
		5747.36	62.9	-5.3	68.2	47.19	33.59	11.73	29.61	100	319	P	H
		5457.28	64.8	-9.2	74	50.29	32.81	11.26	29.56	100	291	P	V
		5466.16	62.35	-5.85	68.2	47.8	32.83	11.28	29.56	100	291	P	V
		5457.28	42.9	-11.1	54	28.39	32.81	11.26	29.56	100	291	A	V
	*	5610	109.72	-	-	94.67	33.08	11.56	29.59	100	291	P	V
	*	5610	100.68	-	-	85.63	33.08	11.56	29.59	100	291	A	V
		5752.4	59.86	-8.34	68.2	44.13	33.61	11.74	29.62	100	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 114 5570MHz		5437.36	62.7	-11.3	74	48.2	32.83	11.22	29.55	100	309	P	H
		5461.6	61.21	-6.99	68.2	46.68	32.82	11.27	29.56	100	309	P	H
		5446.24	52	-2	54	37.5	32.81	11.24	29.55	100	309	A	H
	*	5570	101.85	-	-	86.96	32.98	11.49	29.58	100	309	P	H
	*	5570	92.41	-	-	77.52	32.98	11.49	29.58	100	309	A	H
		5742.005	55.1	-13.1	68.2	39.41	33.57	11.73	29.61	100	309	P	H
		5437.36	60.72	-13.28	74	46.22	32.83	11.22	29.55	100	285	P	V
		5465.2	59.34	-8.86	68.2	44.79	32.83	11.28	29.56	100	285	P	V
		5442.4	51.66	-2.34	54	37.16	32.82	11.23	29.55	100	285	A	V
	*	5570	100.57	-	-	85.68	32.98	11.49	29.58	100	285	P	V
	*	5570	90.7	-	-	75.81	32.98	11.49	29.58	100	285	A	V
		5736.65	56.14	-12.06	68.2	40.48	33.55	11.72	29.61	100	285	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	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)
		11140	46.88	-27.12	74	57.21	39.04	16.76	66.13	-	-	P	H
		16710	48.32	-19.88	68.2	55.53	38.09	21.06	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	47.13	-26.87	74	57.46	39.04	16.76	66.13	-	-	P	V
5570MHz		16710	48.11	-20.09	68.2	55.32	38.09	21.06	66.36	-	-	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 3 5470~5725MHz

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

WIFI Ant. 9+8	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 HE160 Partial 996/67 CH 114 5570MHz		5441.44	68.85	-5.15	74	54.35	32.82	11.23	29.55	100	316	P	H
		5461.6	65.74	-2.46	68.2	51.21	32.82	11.27	29.56	100	316	P	H
		5452.24	46.37	-7.63	54	31.87	32.8	11.25	29.55	100	316	A	H
	*	5570	102.93	-	-	88.04	32.98	11.49	29.58	100	316	P	H
	*	5570	93.65	-	-	78.76	32.98	11.49	29.58	100	316	A	H
		5727.83	66.23	-1.97	68.2	50.62	33.51	11.71	29.61	100	316	P	H
		5448.16	67.06	-6.94	74	52.56	32.8	11.25	29.55	100	288	P	V
		5461.6	62.17	-6.03	68.2	47.64	32.82	11.27	29.56	100	288	P	V
		5453.68	45.47	-8.53	54	30.96	32.81	11.26	29.56	100	288	A	V
	*	5570	101.27	-	-	86.38	32.98	11.49	29.58	100	288	P	V
	*	5570	92.07	-	-	77.18	32.98	11.49	29.58	100	288	A	V
		5727.83	64.69	-3.51	68.2	49.08	33.51	11.71	29.61	100	288	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5357.41	53.49	-20.51	74	39.09	32.81	11.11	29.52	100	321	P	H
		5463.88	51.51	-16.69	68.2	36.96	32.83	11.28	29.56	100	321	P	H
		5449.84	43.73	-10.27	54	29.23	32.8	11.25	29.55	100	321	A	H
	*	5720	114.6	-	-	99.03	33.48	11.7	29.61	100	321	P	H
	*	5720	107.26	-	-	91.69	33.48	11.7	29.61	100	321	A	H
		5903.25	55.43	-12.77	68.2	38.89	34.3	11.88	29.64	100	321	P	H
		5456.47	52.9	-21.1	74	38.39	32.81	11.26	29.56	100	299	P	V
		5467.78	50.92	-17.28	68.2	36.35	32.84	11.29	29.56	100	299	P	V
		5442.43	43.65	-10.35	54	29.15	32.82	11.23	29.55	100	299	A	V
	*	5720	113.32	-	-	97.75	33.48	11.7	29.61	100	299	P	V
	*	5720	105.67	-	-	90.1	33.48	11.7	29.61	100	299	A	V
		5880.75	56.72	-11.48	68.2	40.28	34.22	11.86	29.64	100	299	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.55	-26.45	74	57.55	39.2	17.01	66.21	-	-	P	H
		17160	47.59	-20.61	68.2	54.15	38.24	21.44	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	47.72	-26.28	74	57.72	39.2	17.01	66.21	-	-	P	V
		17160	47.7	-20.5	68.2	54.26	38.24	21.44	66.24	-	-	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 3 - Straddle Channel

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

WIFI Ant. 9+8	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		5402.65	54.42	-19.58	74	39.91	32.89	11.16	29.54	101	320	P	H
		5462.32	54.47	-13.73	68.2	39.94	32.82	11.27	29.56	101	320	P	H
		5458.81	41.69	-12.31	54	27.16	32.82	11.27	29.56	101	320	A	H
	*	5720	117.05	-	-	101.48	33.48	11.7	29.61	101	320	P	H
	*	5720	106.4	-	-	90.83	33.48	11.7	29.61	101	320	A	H
		5857.5	61.58	-6.62	68.2	45.24	34.13	11.84	29.63	101	320	P	H
		5452.96	55.52	-18.48	74	41	32.81	11.26	29.55	101	295	P	V
		5464.27	53.41	-14.79	68.2	38.86	32.83	11.28	29.56	101	295	P	V
		5412.4	41.75	-12.25	54	27.24	32.88	11.17	29.54	101	295	A	V
	*	5720	115.27	-	-	99.72	33.46	11.7	29.61	101	295	P	V
	*	5720	105.3	-	-	89.75	33.46	11.7	29.61	101	295	A	V
		5875.25	58.62	-9.58	68.2	42.2	34.2	11.86	29.64	101	295	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.36	-26.64	74	57.36	39.2	17.01	66.21	-	-	P	H
		17160	47	-21.2	68.2	53.56	38.24	21.44	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	47.9	-26.1	74	57.9	39.2	17.01	66.21	-	-	P	V
5720MHz		17160	46.66	-21.54	68.2	53.22	38.24	21.44	66.24	-	-	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 3 - Straddle Channel

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

WIFI Ant. 9+8	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		5392.51	55.31	-18.69	74	40.82	32.89	11.14	29.54	100	318	P	H
		5460	54.41	-13.79	68.2	39.88	32.82	11.27	29.56	100	318	P	H
		5459.98	42.01	-11.99	54	27.48	32.82	11.27	29.56	100	318	A	H
	*	5710	112.62	-	-	97.1	33.44	11.69	29.61	100	318	P	H
	*	5710	102.43	-	-	86.91	33.44	11.69	29.61	100	318	P	H
		5852.75	66.03	-2.17	68.2	49.71	34.11	11.84	29.63	100	318	P	H
		5435.8	56.05	-17.95	74	41.55	32.83	11.22	29.55	100	236	P	V
		5464.66	54.32	-13.88	68.2	39.77	32.83	11.28	29.56	100	236	P	V
		5459.98	41.87	-12.13	54	27.34	32.82	11.27	29.56	100	236	A	V
	*	5710	110.88	-	-	95.36	33.44	11.69	29.61	100	236	P	V
	*	5710	99.69	-	-	84.17	33.44	11.69	29.61	100	236	P	V
		5861.5	61.96	-6.24	68.2	45.6	34.15	11.85	29.64	100	236	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.77	-26.23	74	57.78	39.2	16.99	66.2	-	-	P	H
		17130	46.73	-21.47	68.2	53.46	38.12	21.43	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	47.54	-26.46	74	57.55	39.2	16.99	66.2	-	-	P	V
5710MHz		17130	46.83	-21.37	68.2	53.56	38.12	21.43	66.28	-	-	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 3 Straddle Channel

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

WIFI Ant. 9+8	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		5458.03	63.5	-10.5	74	48.97	32.82	11.27	29.56	100	321	P	H
		5467.39	65.57	-2.63	68.2	51.02	32.83	11.28	29.56	100	321	P	H
		5459.98	46.75	-7.25	54	32.22	32.82	11.27	29.56	100	321	A	H
	*	5690	107.32	-	-	91.94	33.32	11.66	29.6	100	321	P	H
	*	5690	97.6	-	-	82.22	33.32	11.66	29.6	100	321	A	H
		5854.5	65.48	-2.72	68.2	49.15	34.12	11.84	29.63	100	321	P	H
		5440.48	59.46	-14.54	74	44.96	32.82	11.23	29.55	100	294	P	V
		5468.95	58.35	-9.85	68.2	43.78	32.84	11.29	29.56	100	294	P	V
		5458.03	43.04	-10.96	54	28.51	32.82	11.27	29.56	100	294	A	V
	*	5690	105.4	-	-	90.02	33.32	11.66	29.6	100	294	P	V
	*	5690	95.92	-	-	80.54	33.32	11.66	29.6	100	294	A	V
		5854	60.39	-7.81	68.2	44.06	34.12	11.84	29.63	100	294	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.03	-26.97	74	57.06	39.2	16.96	66.19	-	-	P	H
		17070	47.33	-20.87	68.2	54.27	38	21.4	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	46.41	-27.59	74	56.44	39.2	16.96	66.19	-	-	P	V
5690MHz		17070	47.26	-20.94	68.2	54.2	38	21.4	66.34	-	-	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.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		76.56	26.61	-13.39	40	44.55	13.05	1.3	32.29	-	-	P	H
		95.96	29.54	-13.96	43.5	44.87	15.41	1.51	32.25	-	-	P	H
		158.04	28.35	-15.15	43.5	41.95	16.76	1.93	32.29	-	-	P	H
		261.83	23.92	-22.08	46	33.78	20	2.48	32.34	-	-	P	H
		821.52	31.05	-14.95	46	30.66	28.21	4.46	32.28	-	-	P	H
		958.29	34.18	-11.82	46	29.78	30.83	4.83	31.26	-	-	P	H
													H
													H
													H
													H
													H
													H
		38.73	29.62	-10.38	40	40.98	20.15	0.73	32.24	-	-	P	V
		95.96	33.74	-9.76	43.5	49.07	15.41	1.51	32.25	-	-	P	V
		184.23	26.73	-16.77	43.5	42.04	14.88	2.13	32.32	-	-	P	V
		501.42	25.65	-20.35	46	30.73	24.04	3.43	32.55	-	-	P	V
		787.57	30.52	-15.48	46	30.55	28.03	4.36	32.42	-	-	P	V
		957.32	34.06	-11.94	46	29.71	30.79	4.83	31.27	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												

<Sample 2>

Band 1 - 5150~5250MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		5134.42	62.84	-11.16	74	48.33	33	10.96	29.45	246	348	P	H
		5143.26	50.55	-3.45	54	36.05	33	10.96	29.46	246	348	A	H
	*	5210	107.08	-	-	92.51	33.08	10.97	29.48	246	348	P	H
	*	5210	97.44	-	-	82.87	33.08	10.97	29.48	246	348	A	H
		5350.52	54.59	-19.41	74	40.21	32.8	11.1	29.52	246	348	P	H
		5352.2	43.33	-10.67	54	28.95	32.8	11.1	29.52	246	348	A	H
		5142.22	55.26	-18.74	74	40.76	33	10.96	29.46	100	326	P	V
		5141.18	45.3	-8.7	54	30.8	33	10.96	29.46	100	326	A	V
	*	5210	98.8	-	-	84.23	33.08	10.97	29.48	100	326	P	V
	*	5210	88.66	-	-	74.09	33.08	10.97	29.48	100	326	A	V
		5399.52	53.12	-20.88	74	38.61	32.9	11.15	29.54	100	326	P	V
		5351.08	42.11	-11.89	54	27.73	32.8	11.1	29.52	100	326	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.76	-21.44	68.2	58.41	38.96	16.13	66.74	-	-	P	H
		15630	47.59	-26.41	74	56.13	37.62	20.08	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	46.97	-21.23	68.2	58.62	38.96	16.13	66.74	-	-	P	V
5210MHz		15630	47.2	-26.8	74	55.74	37.62	20.08	66.24	-	-	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 802.11a (Band Edge @ 3m)

WIFI Ant. 9+8	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	*	5320	114.09	-	-	99.67	32.86	11.07	29.51	236	357	P	H
	*	5320	106.95	-	-	92.53	32.86	11.07	29.51	236	357	A	H
		5350.24	63.25	-10.75	74	48.87	32.8	11.1	29.52	236	357	P	H
		5350.56	51.56	-2.44	54	37.18	32.8	11.1	29.52	236	357	A	H
													H
													H
	*	5320	106.03	-	-	91.61	32.86	11.07	29.51	100	332	P	V
	*	5320	98.98	-	-	84.56	32.86	11.07	29.51	100	332	A	V
		5350.24	56.03	-17.97	74	41.65	32.8	11.1	29.52	100	332	P	V
		5350.08	47.1	-6.9	54	32.72	32.8	11.1	29.52	100	332	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. 9+8	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	47.61	-26.39	74	58.65	39.2	16.33	66.57	-	-	P	H
		15960	47.01	-26.99	74	56.27	37.14	20.26	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	47.23	-26.77	74	58.27	39.2	16.33	66.57	-	-	P	V
		15960	47.54	-26.46	74	56.8	37.14	20.26	66.66	-	-	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 3 - 5470~5725MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 134 5670MHz		5385	53.29	-20.71	74	38.81	32.87	11.14	29.53	247	308	P	H
		5468.3	53.17	-15.03	68.2	38.6	32.84	11.29	29.56	247	308	P	H
		5458.5	42.07	-11.93	54	27.54	32.82	11.27	29.56	247	308	A	H
	*	5670	111.78	-	-	96.58	33.16	11.64	29.6	247	308	P	H
	*	5670	100.6	-	-	85.4	33.16	11.64	29.6	247	308	A	H
		5728.775	65.69	-2.51	68.2	50.07	33.52	11.71	29.61	247	308	P	H
		5416.85	52.76	-21.24	74	38.25	32.87	11.18	29.54	100	306	P	V
		5465.15	52.98	-15.22	68.2	38.43	32.83	11.28	29.56	100	306	P	V
		5459.9	41.95	-12.05	54	27.42	32.82	11.27	29.56	100	306	A	V
	*	5670	106.82	-	-	91.62	33.16	11.64	29.6	100	306	P	V
	*	5670	97.41	-	-	82.21	33.16	11.64	29.6	100	306	A	V
		5728.775	61.37	-6.83	68.2	45.75	33.52	11.71	29.61	100	306	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.83	-26.17	74	57.88	39.2	16.93	66.18	-	-	P	H
		17010	48.5	-19.7	68.2	55.54	38	21.37	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	46.55	-27.45	74	56.6	39.2	16.93	66.18	-	-	P	V
5670MHz		17010	47.73	-20.47	68.2	54.77	38	21.37	66.41	-	-	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.

<TXBF Mode>

<Sample 1>

Band 1 - 5150~5250MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.98	63.89	-10.11	74	49.39	33	10.96	29.46	100	334	P	H
		5149.5	51.53	-2.47	54	37.03	33	10.96	29.46	100	334	A	H
	*	5180	112.58	-	-	98.03	33.06	10.96	29.47	100	334	P	H
	*	5180	101.42	-	-	86.87	33.06	10.96	29.47	100	334	A	H
													H
													H
		5147.68	59.86	-14.14	74	45.36	33	10.96	29.46	100	240	P	V
		5149.5	48.33	-5.67	54	33.83	33	10.96	29.46	100	240	A	V
	*	5180	107.32	-	-	92.77	33.06	10.96	29.47	100	240	P	V
	*	5180	96.86	-	-	82.31	33.06	10.96	29.47	100	240	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5141.44	66.32	-7.68	74	51.82	33	10.96	29.46	100	334	P	H
		5144.82	49.87	-4.13	54	35.37	33	10.96	29.46	100	334	A	H
	*	5220	113.27	-	-	98.71	33.06	10.98	29.48	100	334	P	H
	*	5220	88.97	-	-	74.41	33.06	10.98	29.48	100	334	A	H
		5369.28	54.31	-19.69	74	39.88	32.84	11.12	29.53	100	334	P	H
		5353.32	42.95	-11.05	54	28.55	32.81	11.11	29.52	100	334	A	H
		5140.14	58.04	-15.96	74	43.53	33	10.96	29.45	400	277	P	V
		5149.24	44.87	-9.13	54	30.37	33	10.96	29.46	400	277	A	V
	*	5220	110.24	-	-	95.68	33.06	10.98	29.48	400	277	P	V
	*	5220	101.06	-	-	86.5	33.06	10.98	29.48	400	277	A	V
		5434.52	53.81	-20.19	74	39.31	32.83	11.22	29.55	400	277	P	V
		5353.6	42.52	-11.48	54	28.12	32.81	11.11	29.52	400	277	A	V

802.11ax HE20 Full CH 48 5240MHz		5150.02	65.39	-84.61	150	50.89	33	10.96	29.46	100	334	P	H
		5148.98	48.52	-5.48	54	34.02	33	10.96	29.46	100	334	A	H
	*	5240	114.41	-	-	99.88	33.02	11	29.49	100	334	P	H
	*	5240	104.55	-	-	90.02	33.02	11	29.49	100	334	A	H
		5350.8	64.22	-9.78	74	49.84	32.8	11.1	29.52	100	334	P	H
		5351.36	45.42	-8.58	54	31.04	32.8	11.1	29.52	100	334	A	H
		5143	59.12	-14.88	74	44.62	33	10.96	29.46	400	279	P	V
		5148.46	45.35	-8.65	54	30.85	33	10.96	29.46	400	279	A	V
	*	5240	112.53	-	-	98	33.02	11	29.49	400	279	P	V
	*	5240	102.7	-	-	88.17	33.02	11	29.49	400	279	A	V
		5353.6	57.88	-16.12	74	43.48	32.81	11.11	29.52	400	279	P	V
		5358.08	44.89	-9.11	54	30.48	32.82	11.11	29.52	400	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	48.32	-19.88	68.2	60.04	38.92	16.08	66.72	-	-	P	H
		15540	47.55	-26.45	74	55.72	37.92	20.04	66.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	51.94	-16.26	68.2	63.66	38.92	16.08	66.72	-	-	P	V
5180MHz		15540	47.87	-26.13	74	56.04	37.92	20.04	66.13	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.99	-20.21	68.2	59.66	38.92	16.15	66.74	-	-	P	H
		15660	47.95	-26.05	74	56.69	37.44	20.1	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	49.86	-18.34	68.2	61.53	38.92	16.15	66.74	-	-	P	V
5220MHz		15660	47.43	-26.57	74	56.17	37.44	20.1	66.28	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	48.65	-19.55	68.2	60.38	38.84	16.18	66.75	-	-	P	H
		15720	47.32	-26.68	74	56.33	37.22	20.13	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	53.39	-14.81	68.2	65.12	38.84	16.18	66.75	-	-	P	V
5240MHz		15720	47.52	-26.48	74	56.53	37.22	20.13	66.36	-	-	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 1 5150~5250MHz

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

WIFI Ant. 9+8	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		5132.34	66.17	-7.83	74	51.66	33	10.96	29.45	100	335	P	H
		5147.42	50.25	-3.75	54	35.75	33	10.96	29.46	100	335	A	H
	*	5190	108.35	-	-	93.78	33.08	10.96	29.47	100	335	P	H
	*	5190	97.34	-	-	82.77	33.08	10.96	29.47	100	335	A	H
		5447.96	54.06	-19.94	74	39.56	32.8	11.25	29.55	100	335	P	H
		5459.72	41.91	-12.09	54	27.38	32.82	11.27	29.56	100	335	A	H
		5004.42	53.26	-20.74	74	38.52	33.2	10.95	29.41	100	273	P	V
		5140.4	47.89	-6.11	54	33.38	33	10.96	29.45	100	273	A	V
	*	5190	103.97	-	-	89.4	33.08	10.96	29.47	100	273	P	V
	*	5190	94.04	-	-	79.47	33.08	10.96	29.47	100	273	A	V
		5418	52.21	-21.79	74	37.7	32.86	11.19	29.54	100	273	P	V
		5436.2	41.74	-12.26	54	27.24	32.83	11.22	29.55	100	273	A	V
802.11ax HE40 Full CH 46 5230MHz		5126.36	69.79	-4.21	74	55.28	33	10.96	29.45	100	318	P	H
		5145.6	52.68	-1.32	54	38.18	33	10.96	29.46	100	318	A	H
	*	5230	108.16	-	-	93.61	33.04	10.99	29.48	100	318	P	H
	*	5230	99.23	-	-	84.68	33.04	10.99	29.48	100	318	A	H
		5356.4	65.6	-8.4	74	51.2	32.81	11.11	29.52	100	318	P	H
		5351.08	47.59	-6.41	54	33.21	32.8	11.1	29.52	100	318	A	H
		5150.02	69.6	-80.4	150	55.1	33	10.96	29.46	100	274	P	V
		5149.5	49.95	-4.05	54	35.45	33	10.96	29.46	100	274	A	V
	*	5230	106.09	-	-	91.54	33.04	10.99	29.48	100	274	P	V
	*	5230	96.79	-	-	82.24	33.04	10.99	29.48	100	274	A	V
		5377.12	58.63	-15.37	74	44.18	32.85	11.13	29.53	100	274	P	V
		5356.4	44.93	-9.07	54	30.53	32.81	11.11	29.52	100	274	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.68	-20.52	68.2	59.36	38.96	16.09	66.73	-	-	P	H
		15570	46.94	-27.06	74	55.2	37.86	20.05	66.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	47.88	-20.32	68.2	59.56	38.96	16.09	66.73	-	-	P	V
5190MHz		15570	47.52	-26.48	74	55.78	37.86	20.05	66.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	47.95	-20.25	68.2	59.65	38.88	16.16	66.74	-	-	P	H
		15690	47.4	-26.6	74	56.35	37.26	20.11	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	48.51	-19.69	68.2	60.21	38.88	16.16	66.74	-	-	P	V
5230MHz		15690	47.37	-26.63	74	56.32	37.26	20.11	66.32	-	-	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 1 5150~5250MHz

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

WIFI Ant. 9+8	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		5147.68	64.43	-9.57	74	49.93	33	10.96	29.46	100	317	P	H
		5150	49.4	-4.6	54	34.9	33	10.96	29.46	100	317	A	H
	*	5210	103.48	-	-	88.91	33.08	10.97	29.48	100	317	P	H
	*	5210	93.42	-	-	78.85	33.08	10.97	29.48	100	317	A	H
		5460	53.81	-20.19	74	39.28	32.82	11.27	29.56	100	317	P	H
		5362.84	42.71	-11.29	54	28.3	32.83	11.11	29.53	100	317	A	H
		5120.38	65.36	-8.64	74	50.85	33	10.96	29.45	100	269	P	V
		5145.08	46.39	-7.61	54	31.89	33	10.96	29.46	100	269	A	V
	*	5210	100.6	-	-	86.03	33.08	10.97	29.48	100	269	P	V
	*	5210	92.32	-	-	77.75	33.08	10.97	29.48	100	269	A	V
		5393.36	52.43	-21.57	74	37.94	32.89	11.14	29.54	100	269	P	V
		5441.24	42.08	-11.92	54	27.58	32.82	11.23	29.55	100	269	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.96	-21.24	68.2	58.61	38.96	16.13	66.74	-	-	P	H
		15630	47.19	-26.81	74	55.73	37.62	20.08	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	47.18	-21.02	68.2	58.83	38.96	16.13	66.74	-	-	P	V
5210MHz		15630	47.24	-26.76	74	55.78	37.62	20.08	66.24	-	-	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 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 50 5250MHz		5127.92	59.39	-14.61	74	44.88	33	10.96	29.45	100	178	P	H
		5115.18	50.8	-3.2	54	36.29	33	10.96	29.45	100	178	A	H
	*	5250	98.79	-	-	84.27	33	11.01	29.49	100	178	P	H
	*	5250	89.32	-	-	74.8	33	11.01	29.49	100	178	A	H
		5403.16	57.7	-16.3	74	43.19	32.89	11.16	29.54	100	178	P	H
		5397.56	48.61	-5.39	54	34.1	32.9	11.15	29.54	100	178	A	H
		5114.14	58.74	-15.26	74	44.23	33	10.96	29.45	350	278	P	V
		5144.04	47.9	-6.1	54	33.4	33	10.96	29.46	350	278	A	V
	*	5250	99.98	-	-	85.46	33	11.01	29.49	350	278	P	V
	*	5250	89.69	-	-	75.17	33	11.01	29.49	350	278	A	V
		5393.64	58.89	-15.11	74	44.4	32.89	11.14	29.54	350	278	P	V
		5393.92	48.06	-5.94	54	33.57	32.89	11.14	29.54	350	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 50 5250MHz		10500	47.28	-20.92	68.2	59.03	38.8	16.2	66.75	-	-	P	V
		15750	47.46	-26.54	74	56.47	37.25	20.14	66.4	-	-	P	V
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10500	46.75	-21.45	68.2	58.5	38.8	16.2	66.75	-	-	P	V
		15750	47.45	-26.55	74	56.46	37.25	20.14	66.4	-	-	P	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. 9+8	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		5128.52	58.71	-15.29	74	44.2	33	10.96	29.45	100	337	P	H
		5147.56	44.89	-9.11	54	30.39	33	10.96	29.46	100	337	A	H
	*	5260	113.83	-	-	99.32	32.98	11.02	29.49	100	337	P	H
	*	5260	104.05	-	-	89.54	32.98	11.02	29.49	100	337	A	H
		5357.04	64.55	-9.45	74	50.15	32.81	11.11	29.52	100	337	P	H
		5351.52	47.83	-6.17	54	33.45	32.8	11.1	29.52	100	337	A	H
		5069.02	53.22	-20.78	74	38.58	33.12	10.95	29.43	400	279	P	V
		5110.84	43.55	-10.45	54	29.04	33	10.96	29.45	400	279	A	V
	*	5260	111.36	-	-	96.85	32.98	11.02	29.49	400	279	P	V
	*	5260	102.16	-	-	87.65	32.98	11.02	29.49	400	279	A	V
		5354.64	62	-12	74	47.6	32.81	11.11	29.52	400	279	P	V
		5350.56	46.39	-7.61	54	32.01	32.8	11.1	29.52	400	279	A	V
802.11ax HE20 Full CH 60 5300MHz		5055.42	54.76	-19.24	74	40.06	33.18	10.95	29.43	110	339	P	H
		5143.14	44.13	-9.87	54	29.63	33	10.96	29.46	110	339	A	H
	*	5300	112.32	-	-	97.87	32.9	11.06	29.51	110	339	P	H
	*	5300	102.53	-	-	88.08	32.9	11.06	29.51	110	339	A	H
		5364.96	67.12	-6.88	74	52.7	32.83	11.12	29.53	110	339	P	H
		5352.24	50.74	-3.26	54	36.36	32.8	11.1	29.52	110	339	A	H
		5051.34	54.78	-19.22	74	40.07	33.19	10.95	29.43	388	281	P	V
		5049.64	43.4	-10.6	54	28.68	33.2	10.95	29.43	388	281	A	V
	*	5300	105.63	-	-	91.18	32.9	11.06	29.51	388	281	P	V
	*	5300	97.26	-	-	82.81	32.9	11.06	29.51	388	281	P	V
		5416.32	53.55	-20.45	74	39.04	32.87	11.18	29.54	388	281	A	V
		5430.24	42.79	-11.21	54	28.29	32.84	11.21	29.55	388	281		V

	*	5320	111.28	-	-	96.86	32.86	11.07	29.51	100	322	P	H
	*	5320	101.24	-	-	86.82	32.86	11.07	29.51	100	322	A	H
		5351.52	61.19	-12.81	74	46.81	32.8	11.1	29.52	100	322	P	H
		5350.72	48.03	-5.97	54	33.65	32.8	11.1	29.52	100	322	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.34	-	-	93.92	32.86	11.07	29.51	386	274	P	V
5320MHz	*	5320	98.22	-	-	83.8	32.86	11.07	29.51	386	274	A	V
		5351.68	53.98	-20.02	74	39.6	32.8	11.1	29.52	386	274	P	V
		5350.08	44.66	-9.34	54	30.28	32.8	11.1	29.52	386	274	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	48.28	-19.92	68.2	59.89	38.88	16.23	66.72	-	-	P	H
		15780	47.58	-26.42	74	56.57	37.28	20.16	66.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	52.94	-15.26	68.2	64.55	38.88	16.23	66.72	-	-	P	V
5260MHz		15780	47.09	-26.91	74	56.08	37.28	20.16	66.43	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.98	-26.02	74	59.1	39.2	16.3	66.62	-	-	P	H
		15900	47.51	-26.49	74	56.66	37.2	20.23	66.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	53.54	-20.46	74	64.66	39.2	16.3	66.62	100	301	P	V
5300MHz		10600	43.61	-10.39	54	54.73	39.2	16.3	66.62	100	301	A	V
		15900	46.73	-27.27	74	55.88	37.2	20.23	66.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.95	-26.05	74	58.99	39.2	16.33	66.57	-	-	P	H
		15960	46.84	-27.16	74	56.1	37.14	20.26	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	54.43	-19.57	74	65.47	39.2	16.33	66.57	100	303	P	V
5320MHz		10640	43.6	-10.4	54	54.64	39.2	16.33	66.57	100	303	A	V
		15960	47.6	-26.4	74	56.86	37.14	20.26	66.66	-	-	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 2 5250~5350MHz

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

WIFI Ant. 9+8	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		5141.1	63.01	-10.99	74	48.51	33	10.96	29.46	110	337	P	H
		5142.46	49.4	-4.6	54	34.9	33	10.96	29.46	110	337	A	H
	*	5270	108.18	-	-	93.69	32.96	11.03	29.5	110	337	P	H
	*	5270	98.24	-	-	83.75	32.96	11.03	29.5	110	337	A	H
		5357.28	67.04	-6.96	74	52.64	32.81	11.11	29.52	110	337	P	H
		5356.08	51.07	-2.93	54	36.67	32.81	11.11	29.52	110	337	A	H
		5123.08	60.21	-13.79	74	45.7	33	10.96	29.45	100	301	P	V
		5143.82	46.54	-7.46	54	32.04	33	10.96	29.46	100	301	A	V
	*	5270	105.13	-	-	90.64	32.96	11.03	29.5	100	301	P	V
	*	5270	94.59	-	-	80.1	32.96	11.03	29.5	100	301	A	V
		5409.36	60.1	-13.9	74	45.59	32.88	11.17	29.54	100	301	P	V
		5353.68	50.73	-3.27	54	36.33	32.81	11.11	29.52	100	301	A	V
802.11ax HE40 Full CH 62 5310MHz		5083.98	54.21	-19.79	74	39.64	33.06	10.95	29.44	108	339	P	H
		5147.22	42.75	-11.25	54	28.25	33	10.96	29.46	108	339	A	H
	*	5310	105.71	-	-	91.28	32.88	11.06	29.51	108	339	P	H
	*	5310	97.01	-	-	82.58	32.88	11.06	29.51	108	339	A	H
		5356.8	67.25	-6.75	74	52.85	32.81	11.11	29.52	108	339	P	H
		5355.84	51.65	-2.35	54	37.25	32.81	11.11	29.52	108	339	A	H
		5149.94	55.05	-18.95	74	40.55	33	10.96	29.46	100	301	P	V
		5147.9	42.58	-11.42	54	28.08	33	10.96	29.46	100	301	A	V
	*	5310	103.76	-	-	89.33	32.88	11.06	29.51	100	301	P	V
	*	5310	93.96	-	-	79.53	32.88	11.06	29.51	100	301	A	V
		5358.48	54	-20	74	39.59	32.82	11.11	29.52	100	301	P	V
		5352.96	51.48	-2.52	54	37.08	32.81	11.11	29.52	100	301	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.61	-20.59	68.2	59.09	38.97	16.25	66.7	-	-	P	H
		15810	46.83	-27.17	74	55.84	37.29	20.17	66.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	47.9	-20.3	68.2	59.39	38.96	16.25	66.7	-	-	P	V
5270MHz		15810	46.76	-27.24	74	55.77	37.29	20.17	66.47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	47.79	-26.21	74	58.86	39.2	16.32	66.59	-	-	P	H
		15930	46.86	-27.14	74	56.07	37.17	20.24	66.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.96	-26.04	74	59.03	39.2	16.32	66.59	-	-	P	V
5310MHz		15930	46.94	-27.06	74	56.15	37.17	20.24	66.62	-	-	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. 9+8	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		5144.5	54.41	-19.59	74	39.91	33	10.96	29.46	106	334	P	H
		5141.44	43.11	-10.89	54	28.61	33	10.96	29.46	106	334	A	H
	*	5290	103.89	-	-	89.42	32.92	11.05	29.5	106	334	P	H
	*	5290	94.88	-	-	80.41	32.92	11.05	29.5	106	334	A	H
		5369.52	63.94	-10.06	74	49.51	32.84	11.12	29.53	106	334	P	H
		5367.36	51.74	-2.26	54	37.32	32.83	11.12	29.53	106	334	A	H
		5068.34	53.5	-20.5	74	38.85	33.13	10.95	29.43	106	304	P	V
		5144.84	43.28	-10.72	54	28.78	33	10.96	29.46	106	304	A	V
	*	5290	102.09	-	-	87.63	32.91	11.05	29.5	106	304	P	V
	*	5290	91.6	-	-	77.14	32.91	11.05	29.5	106	304	A	V
		5359.92	61.14	-12.86	74	46.74	32.82	11.11	29.53	106	304	P	V
		5354.64	48.7	-5.3	54	34.3	32.81	11.11	29.52	106	304	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.92	-20.28	68.2	59.17	39.12	16.28	66.65	-	-	P	H
		15870	47.94	-26.06	74	57.05	37.23	20.21	66.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	47.95	-20.25	68.2	59.2	39.12	16.28	66.65	-	-	P	V
5290MHz		15870	47.9	-26.1	74	57.01	37.23	20.21	66.55	-	-	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 3 - 5470~5725MHz

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

WIFI Ant. 9+8	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		5458.32	53.89	-20.11	74	39.36	32.82	11.27	29.56	101	326	P	H
		5467.92	63.89	-4.31	68.2	49.32	32.84	11.29	29.56	101	326	P	H
		5460	44.93	-9.07	54	30.4	32.82	11.27	29.56	101	326	A	H
	*	5500	112.36	-	-	97.68	32.9	11.35	29.57	101	326	P	H
	*	5500	101.56	-	-	86.88	32.9	11.35	29.57	101	326	A	H
		5451.92	56.1	-17.9	74	41.6	32.8	11.25	29.55	399	294	P	V
		5463.12	58.37	-9.83	68.2	43.82	32.83	11.28	29.56	399	294	P	V
		5458.64	46.17	-7.83	54	31.64	32.82	11.27	29.56	399	294	A	V
	*	5500	109.71	-	-	95.03	32.9	11.35	29.57	399	294	P	V
	*	5500	99.48	-	-	84.8	32.9	11.35	29.57	399	294	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5426.8	54.91	-19.09	74	40.41	32.85	11.2	29.55	101	319	P	H
		5465.68	52.35	-15.85	68.2	37.8	32.83	11.28	29.56	101	319	P	H
		5426.08	43.77	-10.23	54	29.27	32.85	11.2	29.55	101	319	A	H
	*	5580	116.14	-	-	101.19	33.02	11.51	29.58	101	319	P	H
	*	5580	106.35	-	-	91.4	33.02	11.51	29.58	101	319	A	H
		5740.745	53.43	-14.77	68.2	37.75	33.56	11.73	29.61	101	319	P	H
		5380.24	53.89	-20.11	74	39.43	32.86	11.13	29.53	385	295	P	V
		5470	51.51	-16.69	68.2	36.94	32.84	11.29	29.56	385	295	P	V
		5425.84	43.55	-10.45	54	29.05	32.85	11.2	29.55	385	295	A	V
	*	5580	113.09	-	-	98.14	33.02	11.51	29.58	385	295	P	V
	*	5580	104.97	-	-	90.02	33.02	11.51	29.58	385	295	A	V
		5739.485	53.22	-14.98	68.2	37.55	33.56	11.72	29.61	385	295	P	V

802.11ax HE20 Full CH 140 5700MHz	*	5700	110.17	-	-	94.7	33.4	11.68	29.61	110	325	P	H
	*	5700	99.84	-	-	84.37	33.4	11.68	29.61	110	325	A	H
		5725.48	58.71	-9.49	68.2	43.11	33.5	11.71	29.61	110	325	P	H
													H
													H
													H
	*	5700	107.79	-	-	92.32	33.4	11.68	29.61	101	297	P	V
	*	5700	98.12	-	-	82.65	33.4	11.68	29.61	101	297	A	V
		5760.84	55.19	-13.01	68.2	39.39	33.67	11.75	29.62	101	297	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.15	-26.85	74	57.7	38.9	16.65	66.1	-	-	P	H
		16500	48.55	-19.65	68.2	55.95	38.1	20.82	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	47.59	-26.41	74	58.14	38.9	16.65	66.1	-	-	P	V
5500MHz		16500	48.54	-19.66	68.2	55.94	38.1	20.82	66.32	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.46	-26.54	74	57.76	39.06	16.78	66.14	-	-	P	H
		16740	48.84	-19.36	68.2	56.06	38.06	21.09	66.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	49.97	-24.03	74	60.27	39.06	16.78	66.14	263	2	P	V
5580MHz		11160	39.92	-14.08	54	50.22	39.06	16.78	66.14	263	2	A	V
		16740	49.14	-19.06	68.2	56.36	38.06	21.09	66.37	-	-	P	V
													V
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													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.28	-26.72	74	57.31	39.2	16.97	66.2	-	-	P	H
		17100	47.64	-20.56	68.2	54.54	38	21.41	66.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	47.13	-26.87	74	57.16	39.2	16.97	66.2	-	-	P	V
5700MHz		17100	47.93	-20.27	68.2	54.83	38	21.41	66.31	-	-	P	V
													V
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													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 5470~5725MHz

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

WIFI Ant. 9+8	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		5459.68	60.39	-13.61	74	45.86	32.82	11.27	29.56	100	319	P	H
		5470	66.2	-2	68.2	51.63	32.84	11.29	29.56	100	319	P	H
		5440.72	49.47	-4.53	54	34.97	32.82	11.23	29.55	100	319	A	H
	*	5510	110.43	-	-	95.73	32.9	11.37	29.57	100	319	P	H
	*	5510	100.02	-	-	85.32	32.9	11.37	29.57	100	319	A	H
		5759.96	56.3	-11.9	68.2	40.51	33.66	11.75	29.62	100	319	P	H
		5456.08	57.53	-16.47	74	43.02	32.81	11.26	29.56	360	300	P	V
		5470	60.88	-7.32	68.2	46.31	32.84	11.29	29.56	360	300	P	V
		5458.96	48.71	-5.29	54	34.18	32.82	11.27	29.56	360	300	A	V
	*	5510	105.97	-	-	91.27	32.9	11.37	29.57	360	300	P	V
	*	5510	96.44	-	-	81.74	32.9	11.37	29.57	360	300	A	V
		5759.96	55.07	-13.13	68.2	39.28	33.66	11.75	29.62	360	300	P	V
802.11ax HE40 Full CH 110 5550MHz		5456.8	61.26	-12.74	74	46.75	32.81	11.26	29.56	100	319	P	H
		5466.16	63.02	-5.18	68.2	48.47	32.83	11.28	29.56	100	319	P	H
		5459.92	51.72	-2.28	54	37.19	32.82	11.27	29.56	100	319	A	H
	*	5550	114.78	-	-	100.01	32.9	11.45	29.58	100	319	P	H
	*	5550	104.14	-	-	89.37	32.9	11.45	29.58	100	319	A	H
		5759.96	56.57	-11.63	68.2	40.78	33.66	11.75	29.62	100	319	P	H
		5455.6	57.74	-16.26	74	43.23	32.81	11.26	29.56	392	314	P	V
		5465.2	58.87	-9.33	68.2	44.32	32.83	11.28	29.56	392	314	P	V
		5459.92	47.23	-6.77	54	32.7	32.82	11.27	29.56	392	314	A	V
	*	5550	110.69	-	-	95.92	32.9	11.45	29.58	392	314	P	V
	*	5550	99.96	-	-	85.19	32.9	11.45	29.58	392	314	A	V
		5746.73	54.9	-13.3	68.2	39.19	33.59	11.73	29.61	392	314	P	V

802.11ax HE40 Full CH 134 5670MHz		5408.8	52.84	-21.16	74	38.33	32.88	11.17	29.54	100	320	P	H
		5460.6	52.45	-15.75	68.2	37.92	32.82	11.27	29.56	100	320	P	H
		5455.35	42.49	-11.51	54	27.98	32.81	11.26	29.56	100	320	A	H
	*	5670	110.57	-	-	95.37	33.16	11.64	29.6	100	320	P	H
	*	5670	99.33	-	-	84.13	33.16	11.64	29.6	100	320	A	H
		5727.55	58.97	-9.23	68.2	43.36	33.51	11.71	29.61	100	320	P	H
		5421.4	52.81	-21.19	74	38.3	32.86	11.19	29.54	399	318	P	V
		5461.65	52.33	-15.87	68.2	37.8	32.82	11.27	29.56	399	318	P	V
		5451.5	42.39	-11.61	54	27.89	32.8	11.25	29.55	399	318	A	V
	*	5670	104.72	-	-	89.52	33.16	11.64	29.6	399	318	P	V
	*	5670	94.84	-	-	79.64	33.16	11.64	29.6	399	318	A	V
		5725.45	56.45	-11.75	68.2	40.85	33.5	11.71	29.61	399	318	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.81	-26.19	74	58.32	38.92	16.67	66.1	-	-	P	H
		16530	48.61	-19.59	68.2	55.98	38.1	20.86	66.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	47.43	-26.57	74	57.94	38.92	16.67	66.1	-	-	P	V
5510MHz		16530	48.04	-20.16	68.2	55.41	38.1	20.86	66.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	47.85	-26.15	74	58.24	39	16.73	66.12	-	-	P	H
		16650	49.24	-18.96	68.2	56.5	38.1	20.99	66.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	49.91	-24.09	74	60.3	39	16.73	66.12	256	1	P	V
5550MHz		11100	40.08	-13.92	54	50.47	39	16.73	66.12	256	1	A	V
		16650	49.79	-18.41	68.2	57.05	38.1	20.99	66.35	-	-	P	V
													V
													V
													V
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													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.1	-26.9	74	57.15	39.2	16.93	66.18	-	-	P	H
		17010	48.02	-20.18	68.2	55.06	38	21.37	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	47.06	-26.94	74	57.11	39.2	16.93	66.18	-	-	P	V
5670MHz		17010	47.29	-20.91	68.2	54.33	38	21.37	66.41	-	-	P	V
													V
													V
													V
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													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5457.52	62.75	-11.25	74	48.22	32.82	11.27	29.56	100	318	P	H
		5463.04	64.42	-3.78	68.2	49.87	32.83	11.28	29.56	100	318	P	H
		5456.56	50.04	-3.96	54	35.53	32.81	11.26	29.56	100	318	A	H
	*	5530	106.94	-	-	92.21	32.9	11.41	29.58	100	318	P	H
	*	5530	96.15	-	-	81.42	32.9	11.41	29.58	100	318	A	H
		5761.535	54.31	-13.89	68.2	38.51	33.67	11.75	29.62	100	318	P	H
		5448.64	55.97	-18.03	74	41.47	32.8	11.25	29.55	392	298	P	V
		5467.12	57.9	-10.3	68.2	43.35	32.83	11.28	29.56	392	298	P	V
		5438.56	45.29	-8.71	54	30.79	32.82	11.23	29.55	392	298	A	V
	*	5530	103.51	-	-	88.78	32.9	11.41	29.58	392	298	P	V
	*	5530	93.89	-	-	79.16	32.9	11.41	29.58	392	298	A	V
		5759.645	53.79	-14.41	68.2	38	33.66	11.75	29.62	392	298	P	V
802.11ax HE80 Full CH 122 5610MHz		5443.6	59.22	-14.78	74	44.72	32.81	11.24	29.55	100	323	P	H
		5462.8	60.72	-7.48	68.2	46.17	32.83	11.28	29.56	100	323	P	H
		5458	45.91	-8.09	54	31.38	32.82	11.27	29.56	100	323	A	H
	*	5610	107.21	-	-	92.16	33.08	11.56	29.59	100	323	P	H
	*	5610	96.8	-	-	81.75	33.08	11.56	29.59	100	323	A	H
		5761.85	56.34	-11.86	68.2	40.54	33.67	11.75	29.62	100	323	P	H
		5450.08	58.23	-15.77	74	43.73	32.8	11.25	29.55	382	300	P	V
		5467.6	60.11	-8.09	68.2	45.54	32.84	11.29	29.56	382	300	P	V
		5456.56	45.52	-8.48	54	31.01	32.81	11.26	29.56	382	300	A	V
	*	5610	104.27	-	-	89.22	33.08	11.56	29.59	382	300	P	V
	*	5610	94.13	-	-	79.08	33.08	11.56	29.59	382	300	A	V
		5745.47	56.7	-11.5	68.2	41	33.58	11.73	29.61	382	300	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. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.16	-26.84	74	57.61	38.96	16.7	66.11	-	-	P	H
		16590	49.17	-19.03	68.2	56.48	38.1	20.93	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.14	-26.86	74	57.59	38.96	16.7	66.11	-	-	P	V
5530MHz		16590	49.02	-19.18	68.2	56.33	38.1	20.93	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	46.68	-27.32	74	56.88	39.12	16.83	66.15	-	-	P	H
		16830	47.42	-20.78	68.2	54.68	37.94	21.19	66.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	47.69	-26.31	74	57.89	39.12	16.83	66.15	-	-	P	V
5610MHz		16830	47.62	-20.58	68.2	54.88	37.94	21.19	66.39	-	-	P	V
													V
													V
													V
													V
													V
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													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 114 5570MHz		5446.24	61.17	-12.83	74	46.67	32.81	11.24	29.55	100	334	P	H
		5460.16	59.75	-8.45	68.2	45.22	32.82	11.27	29.56	100	334	P	H
		5437.84	52.11	-1.89	54	37.61	32.82	11.23	29.55	100	334	A	H
	*	5570	100.67	-	-	85.78	32.98	11.49	29.58	100	334	P	H
	*	5570	90.08	-	-	75.19	32.98	11.49	29.58	100	334	A	H
		5750.195	55.65	-12.55	68.2	39.93	33.6	11.74	29.62	100	334	P	H
		5435.2	57.01	-16.99	74	42.51	32.83	11.22	29.55	100	146	P	V
		5467.6	56.22	-11.98	68.2	41.65	32.84	11.29	29.56	100	146	P	V
		5429.2	46.72	-7.28	54	32.22	32.84	11.21	29.55	100	146	A	V
	*	5570	95.78	-	-	80.89	32.98	11.49	29.58	100	146	P	V
	*	5570	86.48	-	-	71.59	32.98	11.49	29.58	100	146	A	V
		5730.35	53.95	-14.25	68.2	38.33	33.52	11.71	29.61	100	146	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	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 HE160 Full CH 114 5570MHz		11140	47.56	-26.44	74	57.89	39.04	16.76	66.13	-	-	P	H
		16710	48.46	-19.74	68.2	55.67	38.09	21.06	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11140	47.69	-26.31	74	58.02	39.04	16.76	66.13	-	-	P	V
		16710	49.39	-18.81	68.2	56.6	38.09	21.06	66.36	-	-	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 3 - Straddle Channel

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

WIFI Ant. 9+8	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		5402.65	53.82	-20.18	74	39.31	32.89	11.16	29.54	101	326	P	H
		5464.27	52.06	-16.14	68.2	37.51	32.83	11.28	29.56	101	326	P	H
		5457.64	42.44	-11.56	54	27.91	32.82	11.27	29.56	101	326	A	H
	*	5720	115.33	-	-	99.76	33.48	11.7	29.61	101	326	P	H
	*	5720	106.07	-	-	90.5	33.48	11.7	29.61	101	326	A	H
		5862	55.04	-13.16	68.2	38.68	34.15	11.85	29.64	101	326	P	H
		5437.36	53.06	-20.94	74	38.56	32.83	11.22	29.55	101	300	P	V
		5467.78	52.32	-15.88	68.2	37.75	32.84	11.29	29.56	101	300	P	V
		5422.54	42.78	-11.22	54	28.28	32.85	11.2	29.55	101	300	A	V
	*	5720	113.95	-	-	98.38	33.48	11.7	29.61	101	300	P	V
	*	5720	104.31	-	-	88.74	33.48	11.7	29.61	101	300	A	V
		5879.25	55.85	-12.35	68.2	39.41	34.22	11.86	29.64	101	300	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.54	-26.46	74	57.54	39.2	17.01	66.21	-	-	P	H
		17160	47.97	-20.23	68.2	54.53	38.24	21.44	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	48.88	-25.12	74	58.88	39.2	17.01	66.21	293	0	P	V
5720MHz		11440	38.76	-15.24	54	48.76	39.2	17.01	66.21	293	0	A	V
		17160	48.52	-19.68	68.2	55.08	38.24	21.44	66.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

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

WIFI Ant. 9+8	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		5353.9	53.6	-20.4	74	39.2	32.81	11.11	29.52	100	321	P	H
		5461.54	52.84	-15.36	68.2	38.31	32.82	11.27	29.56	100	321	P	H
		5455.3	42.62	-11.38	54	28.11	32.81	11.26	29.56	100	321	A	H
	*	5710	114.36	-	-	98.84	33.44	11.69	29.61	100	321	P	H
	*	5710	103.24	-	-	87.72	33.44	11.69	29.61	100	321	A	H
		5932.25	55.7	-12.5	68.2	39.15	34.3	11.9	29.65	100	321	P	H
		5385.88	54.44	-19.56	74	39.96	32.87	11.14	29.53	100	293	P	V
		5468.17	52.3	-15.9	68.2	37.73	32.84	11.29	29.56	100	293	P	V
		5451.4	42.38	-11.62	54	27.88	32.8	11.25	29.55	100	293	A	V
	*	5710	111.24	-	-	95.72	33.44	11.69	29.61	100	293	P	V
	*	5710	101.44	-	-	85.92	33.44	11.69	29.61	100	293	A	V
		5886.75	55.62	-12.58	68.2	39.14	34.25	11.87	29.64	100	293	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.22	-26.78	74	57.23	39.2	16.99	66.2	-	-	P	H
		17130	47.77	-20.43	68.2	54.5	38.12	21.43	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	47.71	-26.29	74	57.72	39.2	16.99	66.2	-	-	P	V
5710MHz		17130	47.96	-20.24	68.2	54.69	38.12	21.43	66.28	-	-	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 3 Straddle Channel

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

WIFI Ant. 9+8	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		5415.52	55.3	-18.7	74	40.79	32.87	11.18	29.54	100	321	P	H
		5462.32	57.19	-11.01	68.2	42.66	32.82	11.27	29.56	100	321	P	H
		5459.59	44.82	-9.18	54	30.29	32.82	11.27	29.56	100	321	A	H
	*	5690	110.16	-	-	94.78	33.32	11.66	29.6	100	321	P	H
	*	5690	100.24	-	-	84.86	33.32	11.66	29.6	100	321	A	H
		5851.25	61.61	-6.59	68.2	45.3	34.1	11.84	29.63	100	321	P	H
		5456.47	54	-20	74	39.49	32.81	11.26	29.56	100	296	P	V
		5465.05	53.87	-14.33	68.2	39.32	32.83	11.28	29.56	100	296	P	V
		5457.64	43.83	-10.17	54	29.3	32.82	11.27	29.56	100	296	A	V
	*	5690	109	-	-	93.62	33.32	11.66	29.6	100	296	P	V
	*	5690	98.5	-	-	83.12	33.32	11.66	29.6	100	296	A	V
		5852.25	59.12	-9.08	68.2	42.8	34.11	11.84	29.63	100	296	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.15	-26.85	74	57.18	39.2	16.96	66.19	-	-	P	H
		17070	47.92	-20.28	68.2	54.86	38	21.4	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	47.8	-26.2	74	57.83	39.2	16.96	66.19	-	-	P	V
5690MHz		17070	48.05	-20.15	68.2	54.99	38	21.4	66.34	-	-	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.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and Steven Wu	**Temperature :**	18~23°C
		Relative Humidity :	50~65%

Note symbol

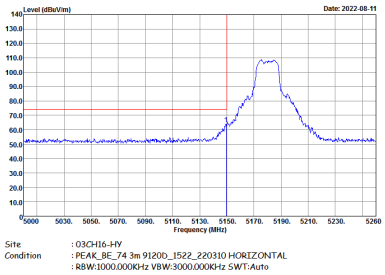
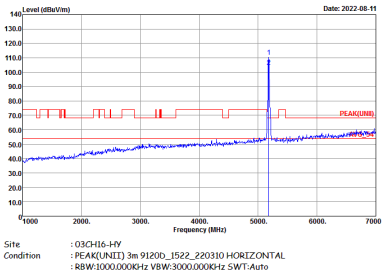
-L	**Low channel location**
-R	**High channel location**

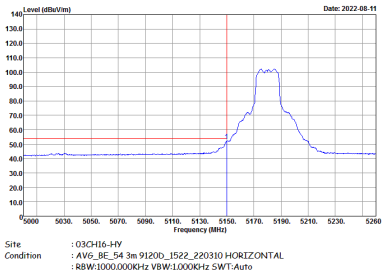
<CDD Mode>

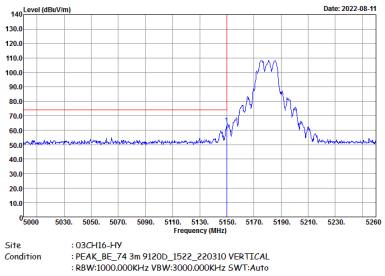
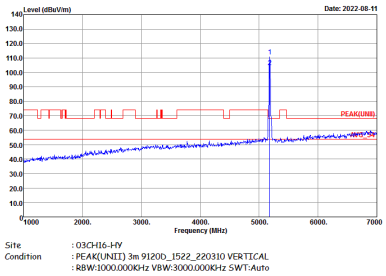
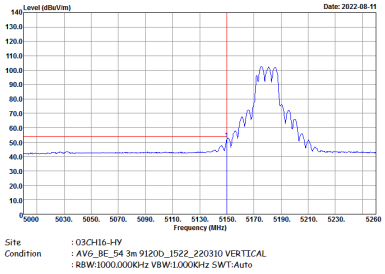
<Sample 1>

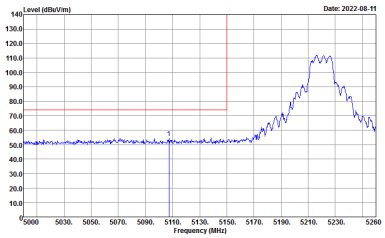
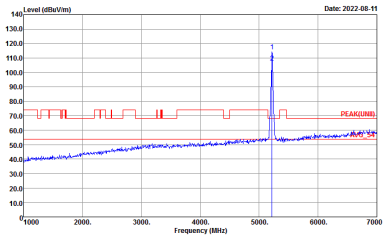
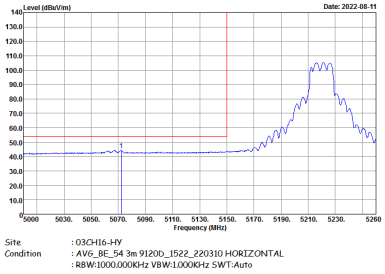
Band 1 - 5150~5250MHz

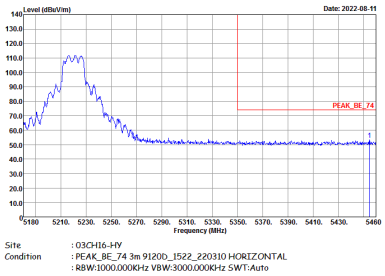
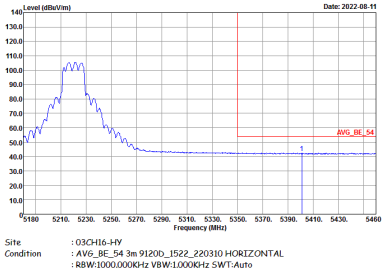
WIFI 802.11a (Band Edge @ 3m)

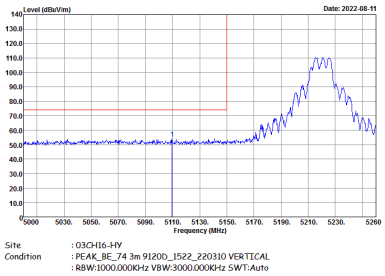
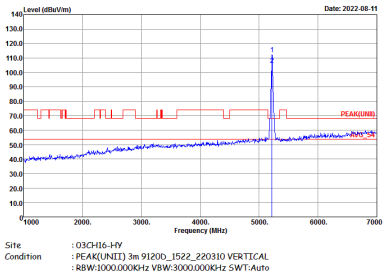
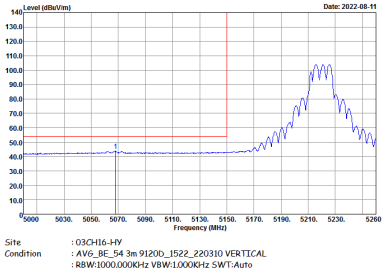
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
9+8	Horizontal	Fundamental
Peak		

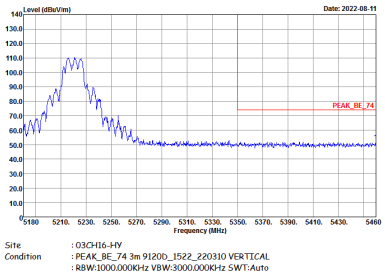
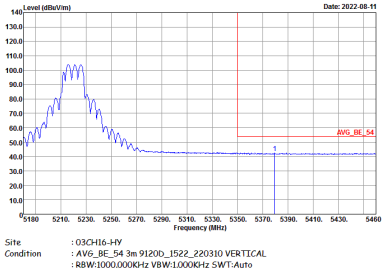
Avg.		Left blank

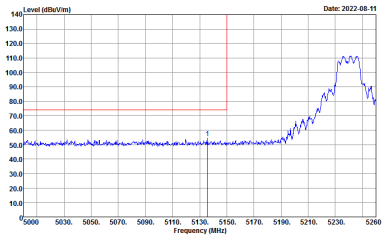
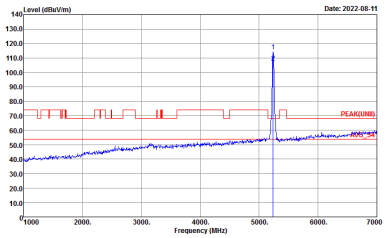
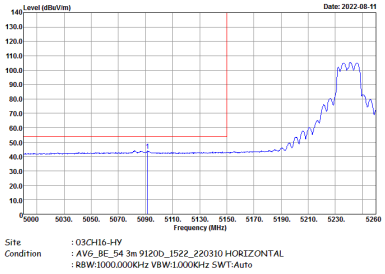
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

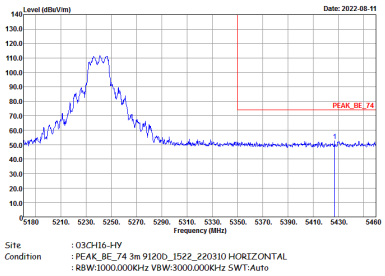
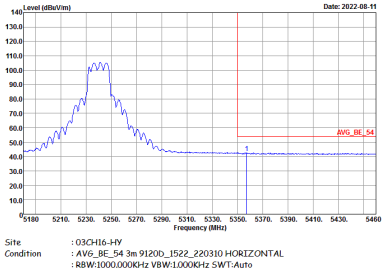
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

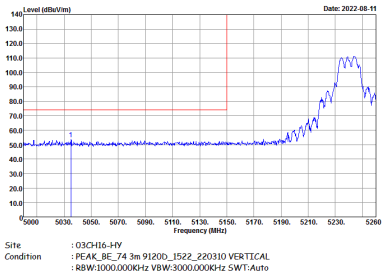
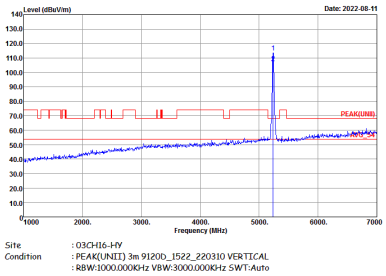
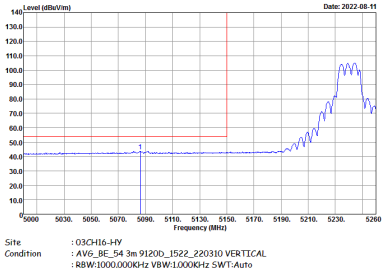
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

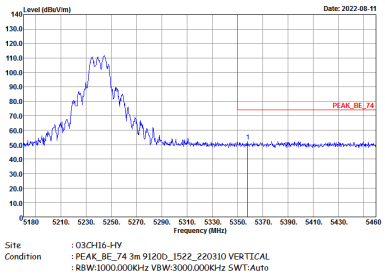
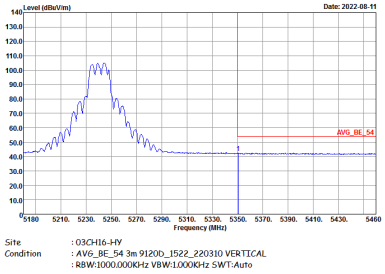
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

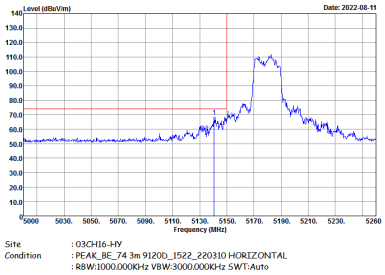
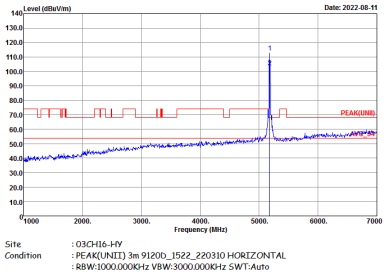
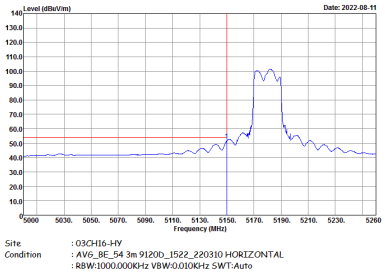
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

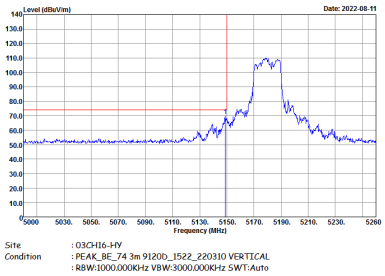
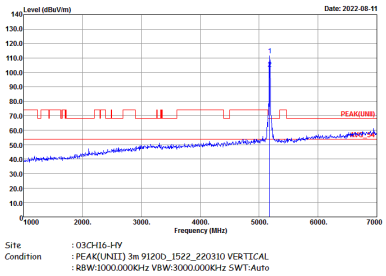
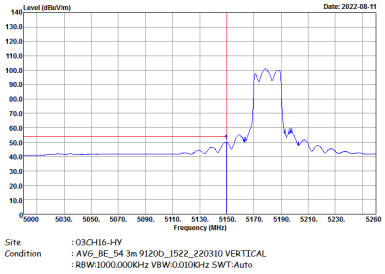
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

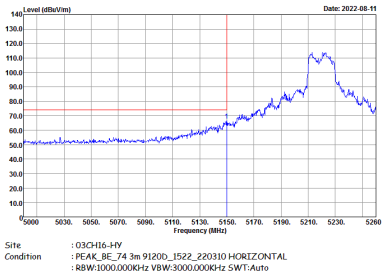
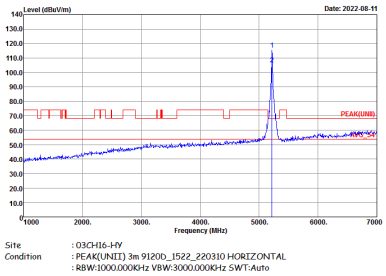
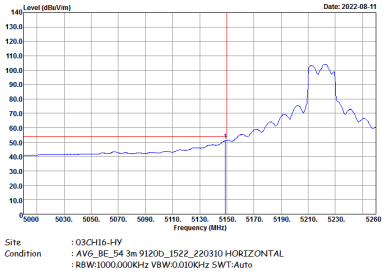
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

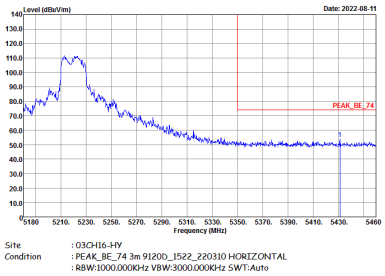
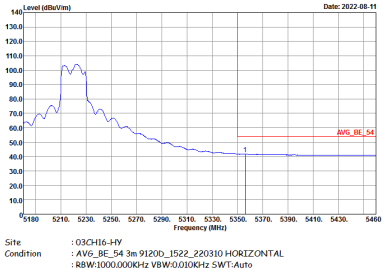
Band 1 5150~5250MHz

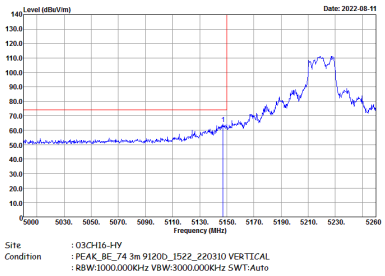
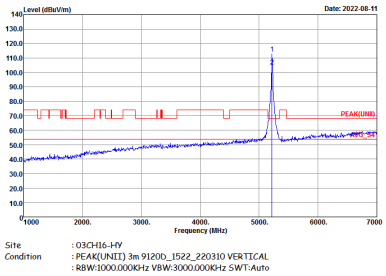
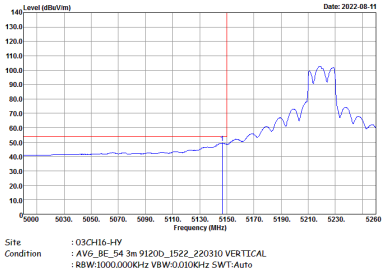
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

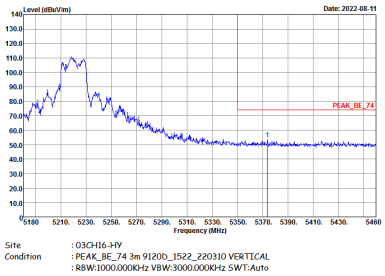
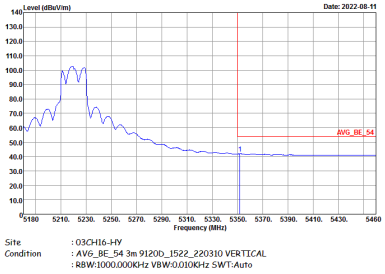
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

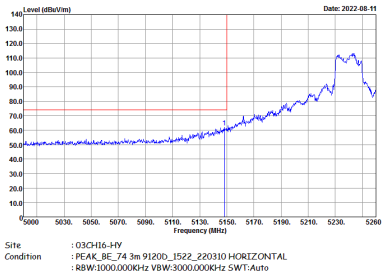
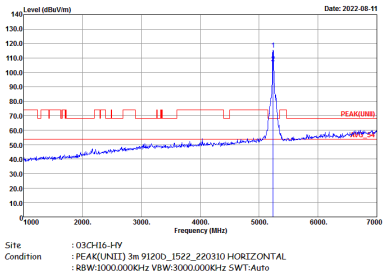
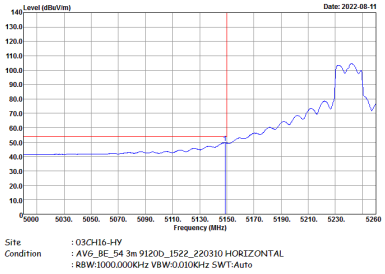
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

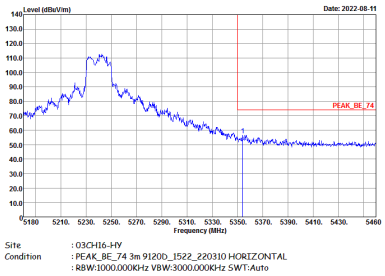
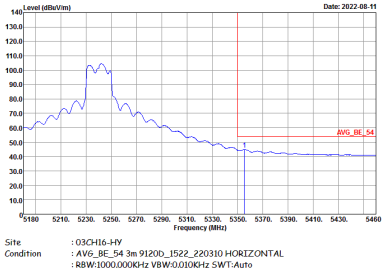
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

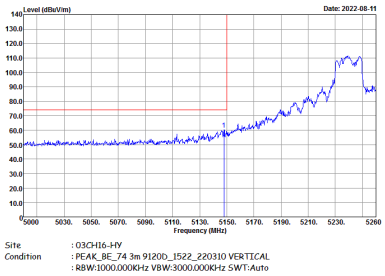
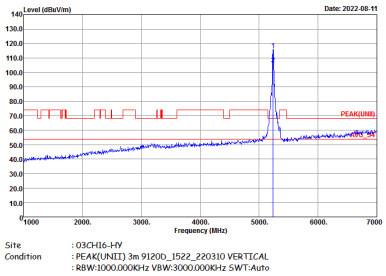
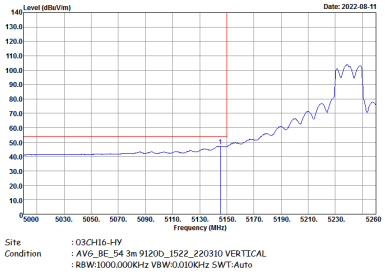
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

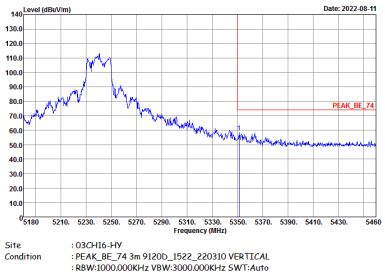
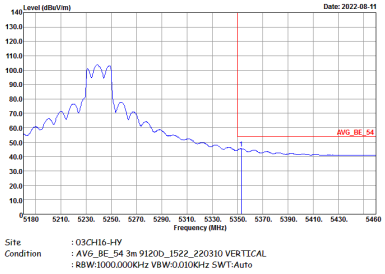
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

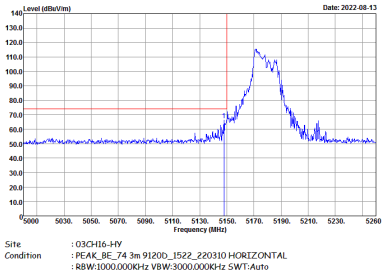
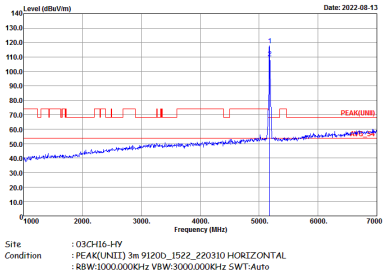
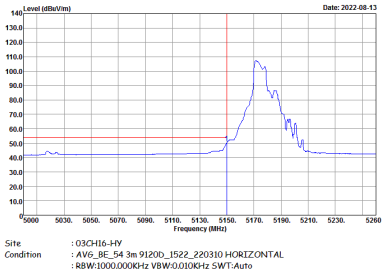
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

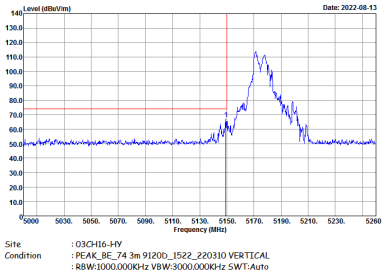
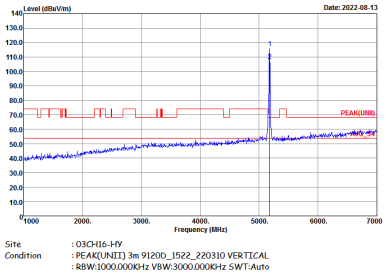
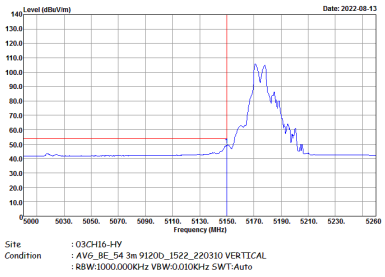
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz

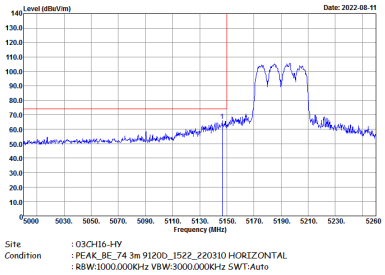
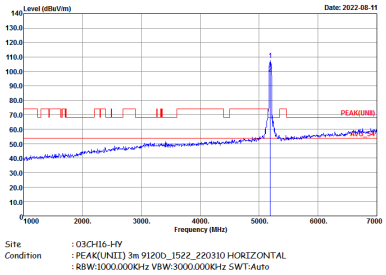
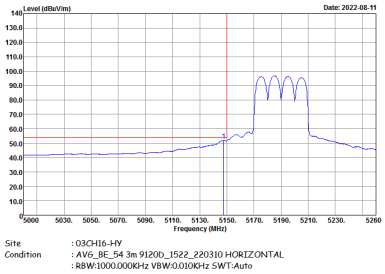
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

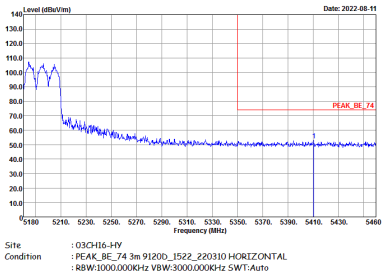
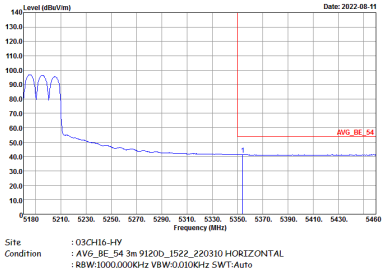
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

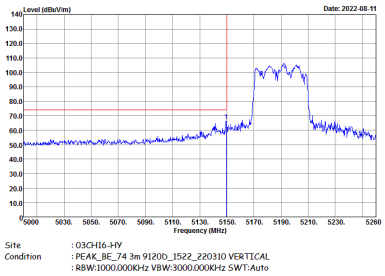
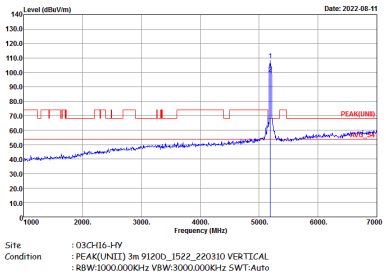
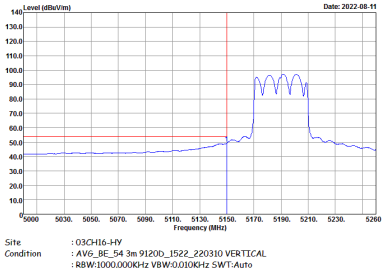
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

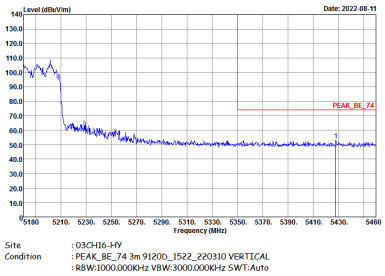
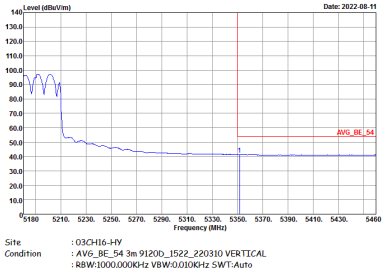
Band 1 5150~5250MHz

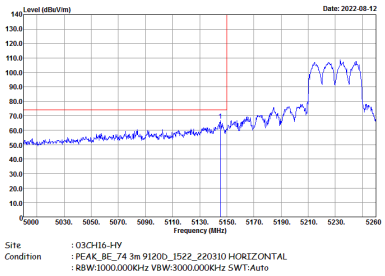
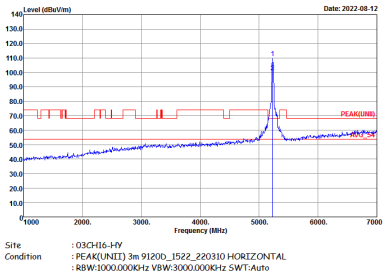
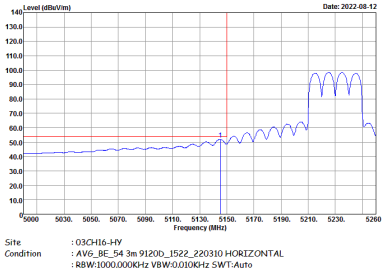
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

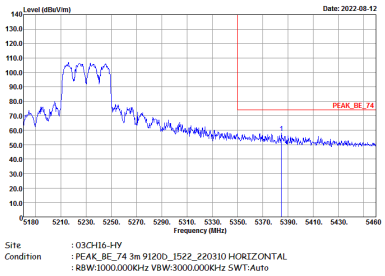
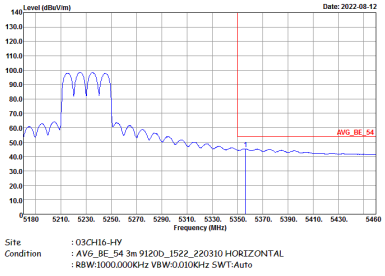
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

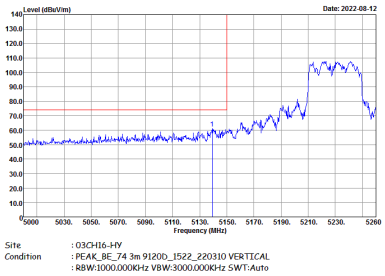
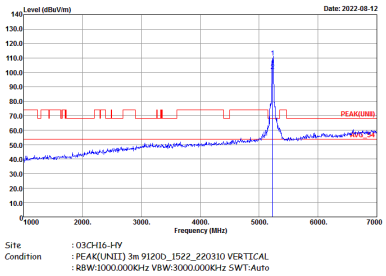
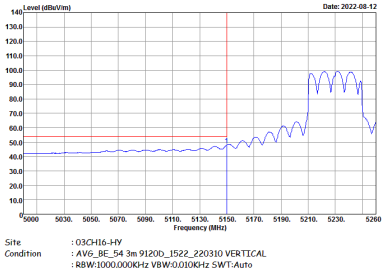
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

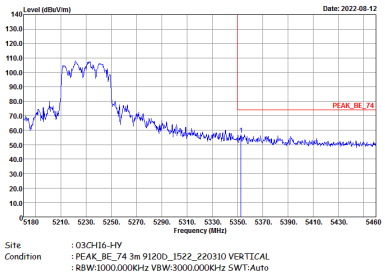
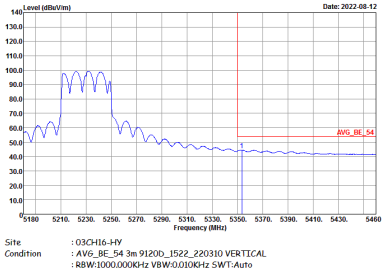
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

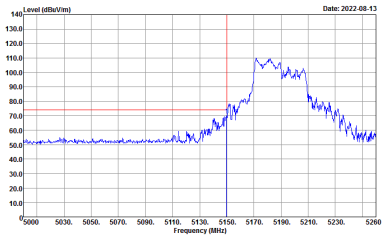
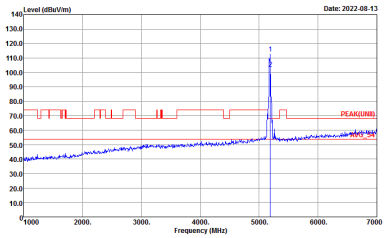
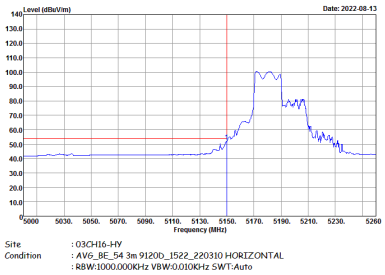
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

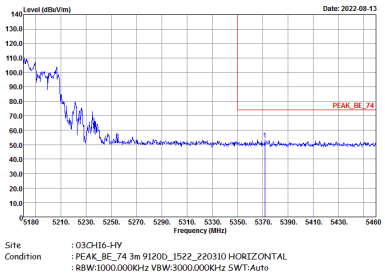
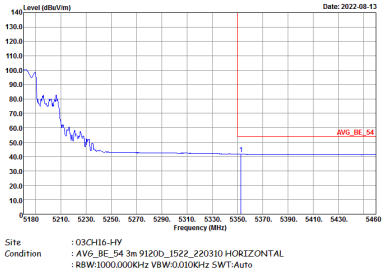
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

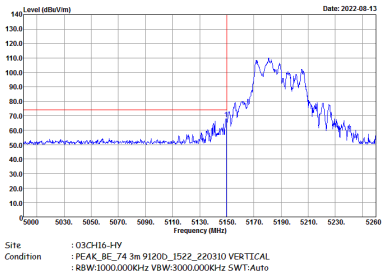
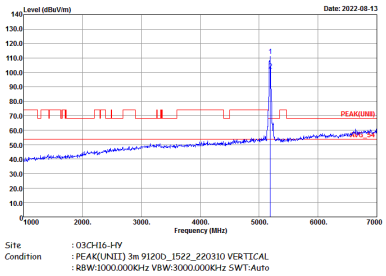
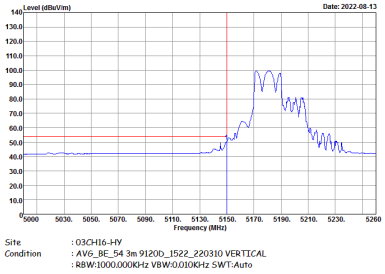
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

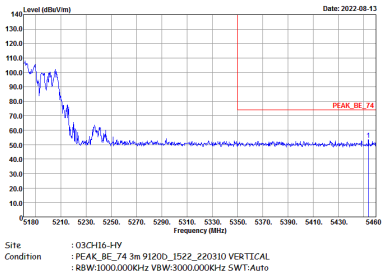
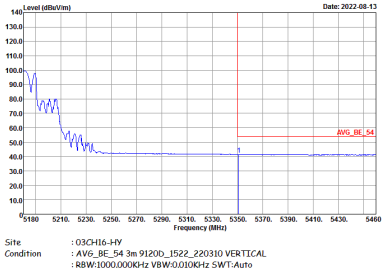
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

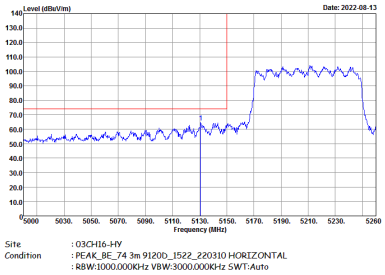
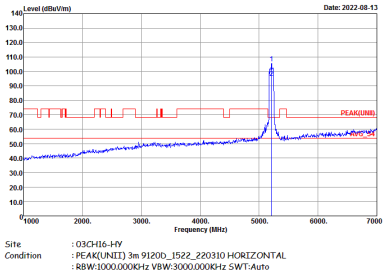
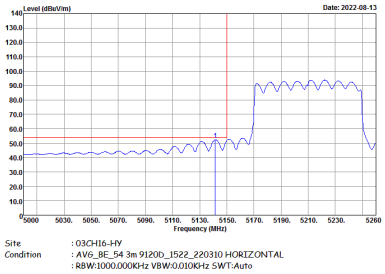
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

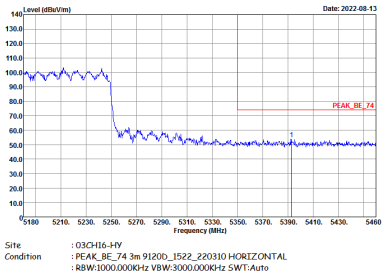
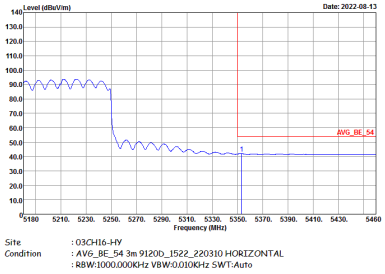
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
9+8	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
9+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank