



FCC RADIO TEST REPORT

FCC ID : UZ7MC945A
Equipment : Mobile Computer
Brand Name : ZEBRA
Model Name : MC945A
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 Nov. 06, 2023 and testing was performed from Nov. 10, 2023 to Jan. 18, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FR3N2802E	01	Initial issue of report	Jan. 31, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.10 dB under the limit at 5350.32 MHz
3.5	15.207	AC Conducted Emission	Pass	17.58 dB under the limit at 0.18 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Rebecca Wu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	MC945A
FCC ID	UZ7MC945A
Sample 1	SE4770 + with Camera
Sample 2	SE5800 + with Camera
Sample 3	SE4770 + without Camera
Sample 4	SE5800 + without Camera
EUT supports Radios application	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	DV2
SW Version	13-10-31.00-TN-U00-PRD-NEM-04
FW Version	FUSION_QA_6_1.1.0.004_T
MFD	10NOV23
EUT Stage	Identical Prototype

Specification of Accessories				
Adapter USB Wall Charger	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US
Battery 1 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000370
Battery 2 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000370B
Earphone USB-C Audio Headset	Brand Name	Zebra	Part Number	HDST-USBC-PTT1-01
USB Cable (Type C to Type A)	Brand Name	Zebra	Part Number	CBL-TC2X-USBC-01
Holster	Brand Name	Zebra	Part Number	SG-MC9X-SHLSTG-01
USB Cable (CUP)	Brand Name	Zebra	Part Number	CBL-MC93-USBCHG-01

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	<5180 MHz ~ 5240 MHz> MIMO <Ant. 6+7> 802.11a: 21.72 dBm / 0.1486 W 802.11n HT20: 21.44 dBm / 0.1393 W 802.11n HT40: 20.81 dBm / 0.1205 W 802.11ac VHT20: 21.44 dBm / 0.1393 W 802.11ac VHT40: 20.91 dBm / 0.1233 W 802.11ac VHT80: 19.48 dBm / 0.0887 W 802.11ac VHT160: 15.34 dBm / 0.0342 W 802.11ax HE20: 21.61 dBm / 0.1449 W 802.11ax HE40: 21.01 dBm / 0.1262 W 802.11ax HE80: 19.58 dBm / 0.0908 W 802.11ax HE160: 15.44 dBm / 0.0350 W <5260 MHz ~ 5320 MHz> MIMO <Ant. 6+7> 802.11a: 21.86 dBm / 0.1535 W 802.11n HT20: 21.61 dBm / 0.1449 W 802.11n HT40: 20.18 dBm / 0.1042 W 802.11ac VHT20: 21.71 dBm / 0.1483 W 802.11ac VHT40: 20.28 dBm / 0.1067 W 802.11ac VHT80: 17.57 dBm / 0.0571 W 802.11ax HE20: 21.81 dBm / 0.1517 W 802.11ax HE40: 20.38 dBm / 0.1091 W 802.11ax HE80: 17.67 dBm / 0.0585 W 802.11ax HE160: 14.61 dBm / 0.0289 W <5500 MHz ~ 5720 MHz> MIMO <Ant. 6+7> 802.11a: 21.81 dBm / 0.1517 W 802.11n HT20: 21.37 dBm / 0.1371 W 802.11n HT40: 21.66 dBm / 0.1466 W 802.11ac VHT20: 21.37 dBm / 0.1371 W 802.11ac VHT40: 21.76 dBm / 0.1500 W 802.11ac VHT80: 21.66 dBm / 0.1466 W 802.11ac VHT160: 16.51 dBm / 0.0448 W 802.11ax HE20: 21.57 dBm / 0.1435 W 802.11ax HE40: 21.86 dBm / 0.1535 W 802.11ax HE80: 21.76 dBm / 0.1500 W 802.11ax HE160: 16.61 dBm / 0.0458 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	MIMO <Ant. 6> 802.11a: 16.43 MHz 802.11ac VHT20: 17.53 MHz 802.11ac VHT40: 37.86 MHz 802.11ac VHT80: 75.16 MHz 802.11ac VHT160: 155.84 MHz 802.11ax HE20: 18.93 MHz 802.11ax HE40: 37.86 MHz 802.11ax HE80: 77.08 MHz 802.11ax HE160: 156.32 MHz MIMO <Ant. 7> 802.11a: 16.38 MHz 802.11ac VHT20: 17.58 MHz 802.11ac VHT40: 38.06 MHz 802.11ac VHT80: 75.16 MHz 802.11ac VHT160: 156.08 MHz 802.11ax HE20: 19.23 MHz 802.11ax HE40: 37.86 MHz 802.11ax HE80: 77.08 MHz 802.11ax HE160: 155.84 MHz
Antenna Type	<5180 MHz ~ 5240 MHz> <Ant. 6>: PIFA Antenna <Ant. 7>: PIFA Antenna <5260 MHz ~ 5320 MHz> <Ant. 6>: PIFA Antenna <Ant. 7>: PIFA Antenna <5500 MHz ~ 5720 MHz> <Ant. 6>: PIFA Antenna <Ant. 7>: PIFA Antenna
Antenna Gain	<5180 MHz ~ 5240 MHz> <Ant. 6>: 2.21 dBi <Ant. 7>: 2.21 dBi <5260 MHz ~ 5320 MHz> <Ant. 6>: 2.64 dBi <Ant. 7>: 2.52 dBi <5500 MHz ~ 5720 MHz> <Ant. 6>: 2.53 dBi <Ant. 7>: 2.30 dBi
Type of Modulation	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)



Product Specification is subject to this standard			
Antenna Function Description		Ant. 6	Ant. 7
	802.11 a/n/ac/ax MIMO	V	V
	802.11ax TXBF	V	V

Remark:

1. MIMO Ant. 6+7 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 7. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 6 + Ant. 7 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 7.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

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

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

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

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 6 (dBi)	Ant 7 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.21	2.21	2.21	5.22	0.00	0.00
Band II	2.64	2.52	2.64	5.59	0.00	0.00
Band III	2.53	2.30	2.53	5.43	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT6} = 2.21$ dBi; $G_{ANT7} = 2.21$ dBi

Directional gain of power measurement = $\max(2.21, 2.21) + 0 = 2.21$ dBi

Directional gain of PSD derived from formula which is

$10 \times \log \{ \{ [10^{(2.21 \text{ dBi} / 20)} + 10^{(2.21 \text{ dBi} / 20)}]^2 / 2 \}$

$= 5.22$ 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 k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 6	Ant 7	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.21	2.21	5.22	5.22	0.00	0.00
Band II	2.64	2.52	5.59	5.59	0.00	0.00
Band III	2.53	2.30	5.43	5.43	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

$$10 \times \log \left\{ \left[10^{(2.21 \text{ dBi} / 20)} + 10^{(2.21 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 5.22 \text{ dBi}$$

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

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 AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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, 03CH20-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 "@^u" are 802.11ac VHT160 and 802.11ax HE160.



2.2 Test Mode

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

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 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 mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

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

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + USB Cable (Type C to Type A) with USB Cable (CUP) (Charging from Adapter USB Wall Charger) + Keypad (53key) + Battery 1 Standard Battery (7000mAh) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 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
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	-	-	-
M	Middle	-	-	-
H	High	-	-	140
Straddle		-	-	-

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

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

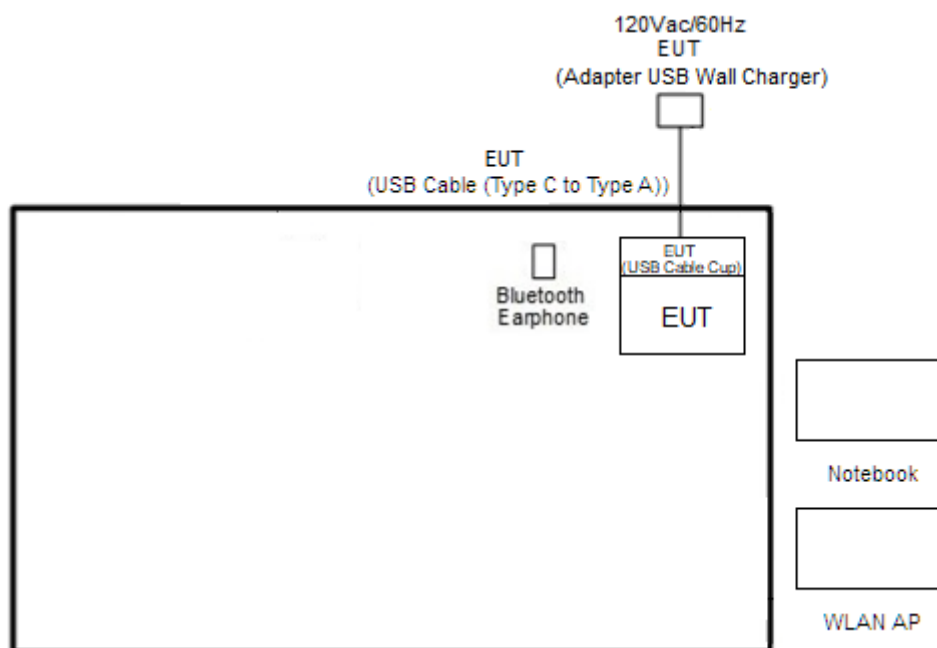
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

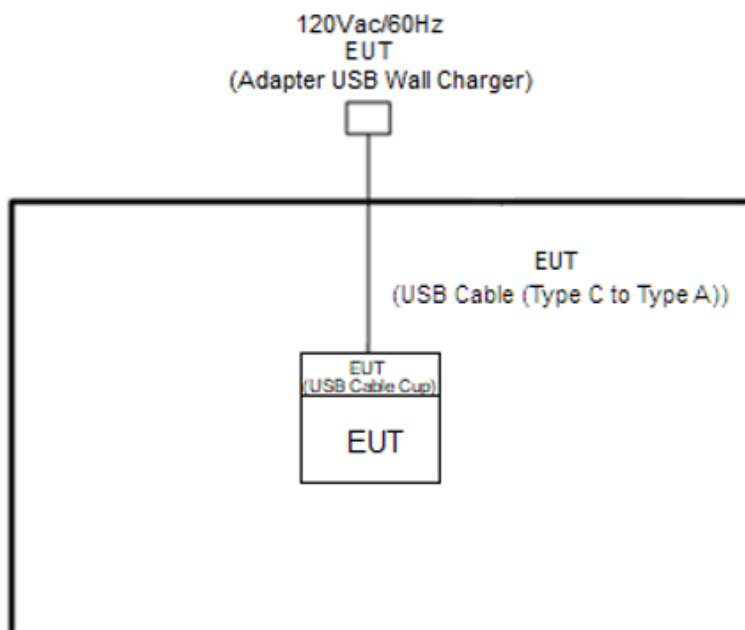
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility "QRCT 4.0.00206.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

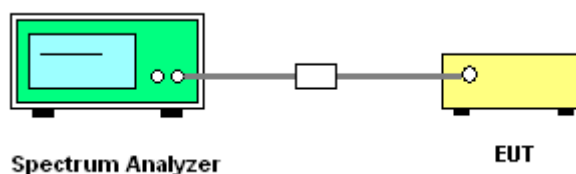
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

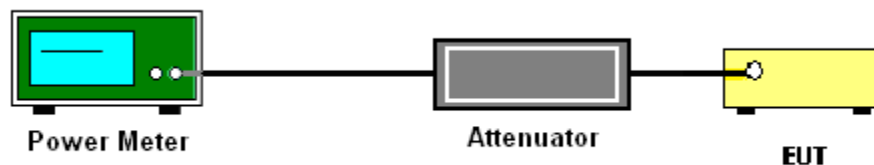
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

Method SA-2

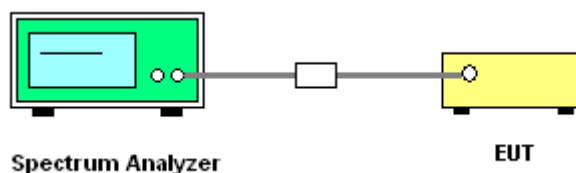
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

EIRP (dBm)	Field Strength at 3m (dB μ V/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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

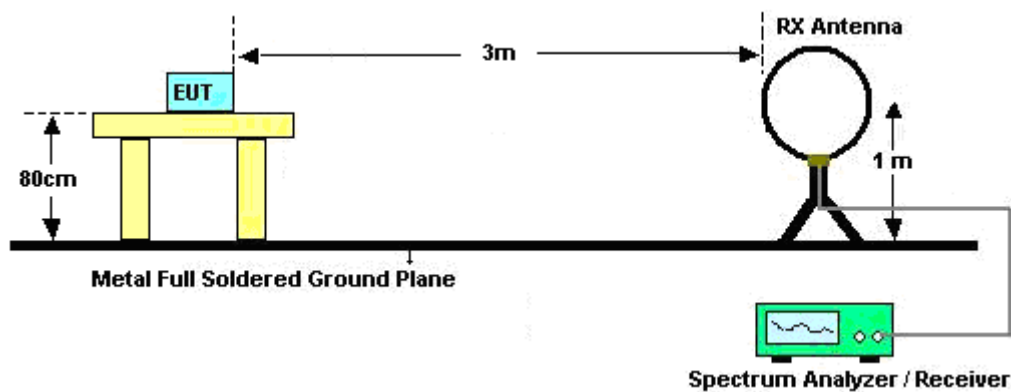
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

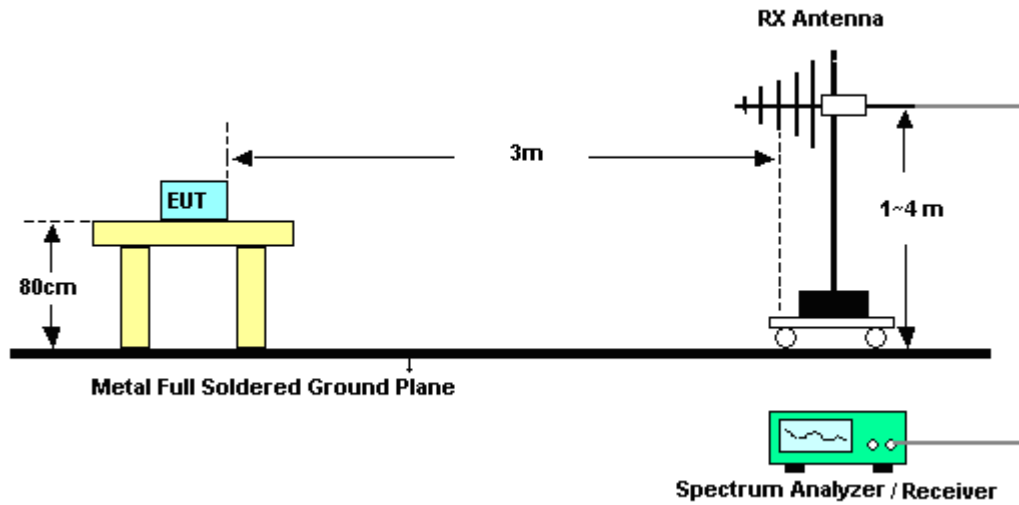
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

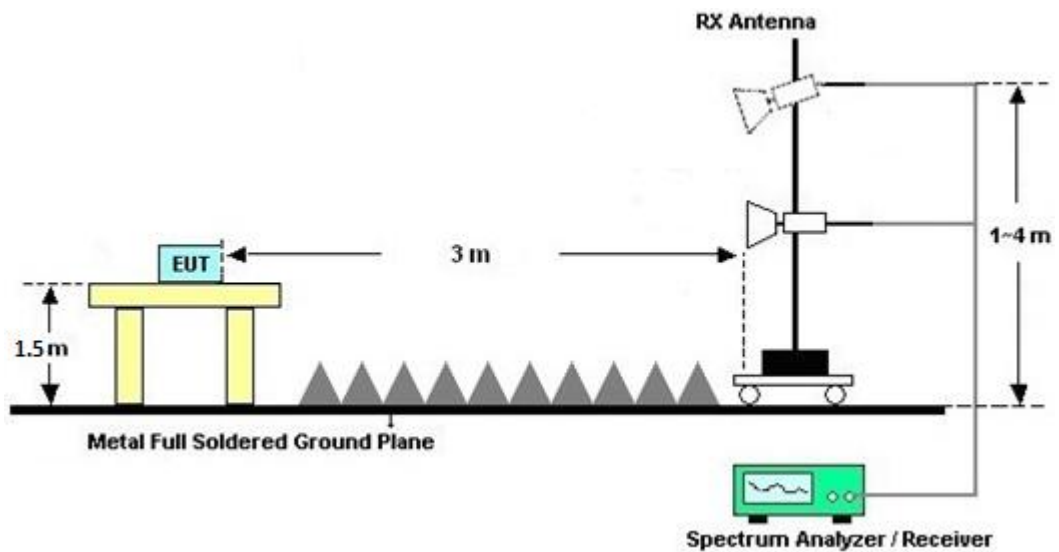
For radiated emissions below 30MHz



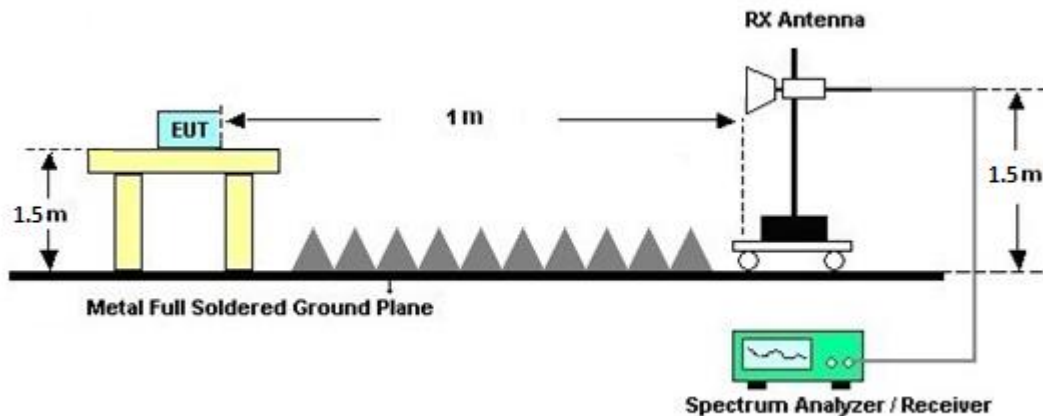
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

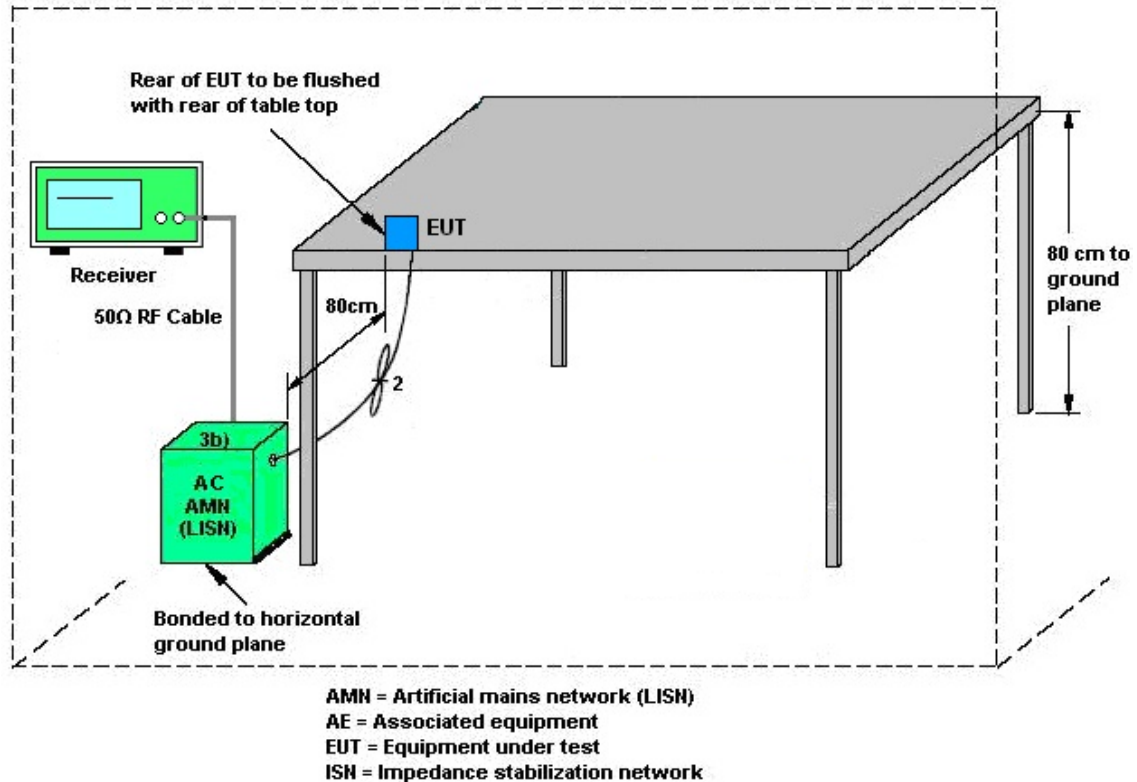
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 06, 2023	Dec. 19, 2023~Jan. 18, 2024	Oct. 05, 2024	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Dec. 19, 2023~Jan. 18, 2024	Sep. 11, 2024	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 06, 2023	Dec. 19, 2023~Jan. 18, 2024	Sep. 05, 2024	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Dec. 19, 2023~Jan. 18, 2024	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 19, 2023~Jan. 18, 2024	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 19, 2023~Jan. 18, 2024	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 12, 2023	Dec. 19, 2023~Jan. 18, 2024	Dec. 11, 2024	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N 1D01N-06	55606 & 08	30MHz~1GHz	Oct. 20, 2023	Dec. 19, 2023~Jan. 18, 2024	Oct. 19, 2024	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz-18GHz	Oct. 30, 2023	Dec. 19, 2023~Jan. 18, 2024	Oct. 29, 2024	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz-40GHz	Jul. 10, 2023	Dec. 19, 2023~Jan. 18, 2024	Jul. 09, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 02, 2023	Dec. 19, 2023~Dec. 31, 2023	Jan. 01, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 01, 2024	Jan. 01, 2024~Jan. 18, 2024	Dec. 31, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 13, 2023	Dec. 19, 2023~Jan. 18, 2024	Nov. 12, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,8040 15/2,804027/2	N/A	Jan. 18, 2023	Dec. 19, 2023~Jan. 16, 2024	Jan. 17, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,8040 15/2,804027/2	N/A	Jan. 17, 2024	Jan. 17, 2024~Jan. 18, 2024	Jan. 16, 2025	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 28, 2023	Dec. 19, 2023~Jan. 18, 2024	Mar. 27, 2024	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Dec. 19, 2023~Jan. 18, 2024	N/A	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 10, 2023~Jan. 16, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015SNO 36	10MHz~6GHz	Aug. 23, 2023	Nov. 10, 2023~Jan. 16, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Nov. 10, 2023~Jan. 16, 2024	Sep. 11, 2024	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 12, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Dec. 12, 2023	Sep. 19, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Dec. 12, 2023	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Dec. 12, 2023	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Dec. 12, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	9kHz-200MHz	Jul. 28, 2023	Dec. 12, 2023	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Dec. 12, 2023	Dec. 28, 2023	Conduction (CO05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.5 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

Test Engineer:	Wei Shun Hung	Temperature:	21~25	°C
Test Date:	2023/11/10 ~ 2024/01/16	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	16.43	16.33	19.68	19.60	-		22.13		-	
11a	6Mbps	2	44	5220	16.33	16.33	19.68	19.52	-		22.13			
11a	6Mbps	2	48	5240	16.33	16.33	19.44	19.20	-		22.13			
VHT20	MCS0	2	36	5180	17.53	17.48	20.40	20.50	-		22.43			
VHT20	MCS0	2	44	5220	17.48	17.58	20.55	21.76	-		22.43			
VHT20	MCS0	2	48	5240	17.48	17.58	20.26	21.05	-		22.43			
VHT40	MCS0	2	38	5190	37.76	37.86	41.50	41.20	-		23.01			
VHT40	MCS0	2	46	5230	37.66	37.96	41.18	41.54	-		23.01			
VHT80	MCS0	2	42	5210	75.04	75.16	81.47	82.27	-		23.01			
VHT160	MCS0	2	50	5250	155.84	156.08	165.22	165.07	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	36	5180	17.80	16.80	20.34	24.00		2.21		Pass
11a	6Mbps	2	44	5220	19.00	18.40	21.72	24.00		2.21		Pass
11a	6Mbps	2	48	5240	18.60	17.50	21.10	24.00		2.21		Pass
HT20	MCS0	2	36	5180	17.90	17.10	20.53	24.00		2.21		Pass
HT20	MCS0	2	44	5220	18.50	18.30	21.41	24.00		2.21		Pass
HT20	MCS0	2	48	5240	18.90	17.90	21.44	24.00		2.21		Pass
HT40	MCS0	2	38	5190	15.70	15.10	18.42	24.00		2.21		Pass
HT40	MCS0	2	46	5230	18.40	17.10	20.81	24.00		2.21		Pass
VHT20	MCS0	2	36	5180	17.90	17.10	20.53	24.00		2.21		Pass
VHT20	MCS0	2	44	5220	18.60	18.20	21.41	24.00		2.21		Pass
VHT20	MCS0	2	48	5240	18.90	17.90	21.44	24.00		2.21		Pass
VHT40	MCS0	2	38	5190	15.80	15.20	18.52	24.00		2.21		Pass
VHT40	MCS0	2	46	5230	18.50	17.20	20.91	24.00		2.21		Pass
VHT80	MCS0	2	42	5210	16.90	16.00	19.48	24.00		2.21		Pass
VHT160	MCS0	2	50	5250	12.80	11.80	15.34	24.00		2.21		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	36	5180	0.67	0.66	-		9.89	11.00	5.22	-		Pass
11a	6Mbps	2	44	5220	0.67	0.66			10.89	11.00	5.22			Pass
11a	6Mbps	2	48	5240	0.67	0.66			10.25	11.00	5.22			Pass
VHT20	MCS0	2	36	5180	0.66	0.66			9.81	11.00	5.22			Pass
VHT20	MCS0	2	44	5220	0.66	0.66			10.24	11.00	5.22			Pass
VHT20	MCS0	2	48	5240	0.66	0.66			10.63	11.00	5.22			Pass
VHT40	MCS0	2	38	5190	0.66	0.66			4.94	11.00	5.22			Pass
VHT40	MCS0	2	46	5230	0.66	0.66			7.36	11.00	5.22			Pass
VHT80	MCS0	2	42	5210	0.67	0.67			2.70	11.00	5.22			Pass
VHT160	MCS0	2	50	5250	0.66	0.66			-3.57	11.00	5.22			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	52	5260	16.38	16.33	19.36	19.20	23.13		29.13		23.83		-
11a	6Mbps	2	60	5300	16.28	16.38	19.52	19.44	23.12		29.12		23.89		
11a	6Mbps	2	64	5320	16.33	16.33	19.36	19.84	23.13		29.13		23.87		
VHT20	MCS0	2	52	5260	17.48	17.53	20.74	20.65	23.43		29.43		23.98		
VHT20	MCS0	2	60	5300	17.43	17.58	20.54	21.10	23.41		29.41		23.98		
VHT20	MCS0	2	64	5320	17.53	17.48	20.50	20.14	23.43		29.43		23.98		
VHT40	MCS0	2	54	5270	37.76	37.86	41.31	41.34	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	37.86	37.76	41.14	41.26	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	74.93	75.16	81.09	81.66	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	18.80	17.90	21.38	23.83		2.64		30	Pass
11a	6Mbps	2	60	5300	19.00	18.70	21.86	23.89		2.64		30	Pass
11a	6Mbps	2	64	5320	17.90	17.20	20.57	23.87		2.64		30	Pass
HT20	MCS0	2	52	5260	18.90	18.00	21.48	23.98		2.64		30	Pass
HT20	MCS0	2	60	5300	18.60	18.60	21.61	23.98		2.64		30	Pass
HT20	MCS0	2	64	5320	17.00	16.40	19.72	23.98		2.64		30	Pass
HT40	MCS0	2	54	5270	17.60	16.70	20.18	23.98		2.64		30	Pass
HT40	MCS0	2	62	5310	16.10	15.00	18.60	23.98		2.64		30	Pass
VHT20	MCS0	2	52	5260	19.00	18.10	21.58	23.98		2.64		30	Pass
VHT20	MCS0	2	60	5300	18.70	18.70	21.71	23.98		2.64		30	Pass
VHT20	MCS0	2	64	5320	17.10	16.50	19.82	23.98		2.64		30	Pass
VHT40	MCS0	2	54	5270	17.70	16.80	20.28	23.98		2.64		30	Pass
VHT40	MCS0	2	62	5310	16.20	15.10	18.70	23.98		2.64		30	Pass
VHT80	MCS0	2	58	5290	14.90	14.20	17.57	23.98		2.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	0.67	0.66	-		10.97	11.00	5.59			Pass	
11a	6Mbps	2	60	5300	0.67	0.66			10.82	11.00	5.59			Pass	
11a	6Mbps	2	64	5320	0.67	0.66			9.84	11.00	5.59			Pass	
VHT20	MCS0	2	52	5260	0.66	0.66			10.48	11.00	5.59			Pass	
VHT20	MCS0	2	60	5300	0.66	0.66			9.70	11.00	5.59		-	Pass	
VHT20	MCS0	2	64	5320	0.66	0.66			8.27	11.00	5.59			Pass	
VHT40	MCS0	2	54	5270	0.66	0.66			6.30	11.00	5.59			Pass	
VHT40	MCS0	2	62	5310	0.66	0.66			3.95	11.00	5.59			Pass	
VHT80	MCS0	2	58	5290	0.67	0.67			1.10	11.00	5.59			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	100	5500	16.33	16.38	19.76	19.44	23.13		29.13		23.89		----	----
11a	6Mbps	2	116	5580	16.28	16.33	19.52	20.00	23.12		29.12		23.90		----	----
11a	6Mbps	2	140	5700	16.33	16.33	19.52	19.52	23.13		29.13		23.90		----	----
VHT20	MCS0	2	100	5500	17.53	17.58	20.54	22.10	23.44		29.44		23.98		----	----
VHT20	MCS0	2	116	5580	17.48	17.48	20.38	20.79	23.43		29.43		23.98		----	----
VHT20	MCS0	2	140	5700	17.48	17.48	20.82	20.83	23.43		29.43		23.98		----	----
VHT40	MCS0	2	102	5510	37.66	37.96	41.14	41.12	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.66	38.06	41.15	42.61	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.76	37.96	41.15	41.44	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.16	74.93	81.60	80.90	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	74.93	75.04	81.34	82.30	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	155.84	155.60	165.46	165.74	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	144	5720	13.15	13.15	14.84	14.76	22.19		28.19		22.69		1.4	2.65
VHT20	MCS0	2	144	5720	13.74	13.79	15.39	15.31	22.38		28.38		22.85		2.47	2.555
VHT40	MCS0	2	142	5710	33.88	35.18	35.86	35.61	23.98		30.00		23.98		2.532	2.55
VHT80	MCS0	2	138	5690	72.52	72.76	75.70	92.89	23.98		30.00		23.98		----	0.04

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	100	5500	19.00	18.20	21.63	23.89		2.53		30	Pass
11a	6Mbps	2	116	5580	18.60	17.80	21.23	23.90		2.53		30	Pass
11a	6Mbps	2	140	5700	17.40	17.80	20.61	23.90		2.53		30	Pass
HT20	MCS0	2	100	5500	18.20	17.60	20.92	23.98		2.53		30	Pass
HT20	MCS0	2	116	5580	18.50	17.80	21.17	23.98		2.53		30	Pass
HT20	MCS0	2	140	5700	16.40	17.00	19.72	23.98		2.53		30	Pass
HT40	MCS0	2	102	5510	17.10	16.20	19.68	23.98		2.53		30	Pass
HT40	MCS0	2	110	5550	18.50	17.60	21.08	23.98		2.53		30	Pass
HT40	MCS0	2	134	5670	17.20	17.30	20.26	23.98		2.53		30	Pass
VHT20	MCS0	2	100	5500	18.30	17.70	21.02	23.98		2.53		30	Pass
VHT20	MCS0	2	116	5580	18.50	17.80	21.17	23.98		2.53		30	Pass
VHT20	MCS0	2	140	5700	16.50	17.10	19.82	23.98		2.53		30	Pass
VHT40	MCS0	2	102	5510	17.20	16.30	19.78	23.98		2.53		30	Pass
VHT40	MCS0	2	110	5550	18.60	17.70	21.18	23.98		2.53		30	Pass
VHT40	MCS0	2	134	5670	17.30	17.40	20.36	23.98		2.53		30	Pass
VHT80	MCS0	2	106	5530	16.20	15.60	18.92	23.98		2.53		30	Pass
VHT80	MCS0	2	122	5610	17.40	17.20	20.31	23.98		2.53		30	Pass
VHT160	MCS0	2	114	5570	13.50	13.50	16.51	23.98		2.53		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	144	5720	18.70	18.90	21.81	22.69		2.53		30	Pass
HT20	MCS0	2	144	5720	18.10	18.60	21.37	23.98		2.53		30	Pass
HT40	MCS0	2	142	5710	18.50	18.80	21.66	23.98		2.53		30	Pass
VHT20	MCS0	2	144	5720	18.10	18.60	21.37	22.85		2.53		30	Pass
VHT40	MCS0	2	142	5710	18.60	18.90	21.76	23.98		2.53		30	Pass
VHT80	MCS0	2	138	5690	18.60	18.70	21.66	23.98		2.53		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	100	5500	0.67	0.66	-		10.87	11.00		5.43		Pass
11a	6Mbps	2	116	5580	0.67	0.66			10.58	11.00		5.43		Pass
11a	6Mbps	2	140	5700	0.67	0.66			9.86	11.00		5.43		Pass
VHT20	MCS0	2	100	5500	0.66	0.66			9.55	11.00		5.43		Pass
VHT20	MCS0	2	116	5580	0.66	0.66			9.32	11.00		5.43		Pass
VHT20	MCS0	2	140	5700	0.66	0.66			8.45	11.00		5.43		Pass
VHT40	MCS0	2	102	5510	0.66	0.66			5.79	11.00		5.43		Pass
VHT40	MCS0	2	110	5550	0.66	0.66			7.05	11.00		5.43		Pass
VHT40	MCS0	2	134	5670	0.66	0.66			6.45	11.00		5.43		Pass
VHT80	MCS0	2	106	5530	0.67	0.67			2.20	11.00		5.43		Pass
VHT80	MCS0	2	122	5610	0.67	0.67			3.90	11.00		5.43		Pass
VHT160	MCS0	2	114	5570	0.66	0.66			-3.05	11.00		5.43		Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	144	5720	0.67	0.66	-		10.94	11.00		5.43		Pass
VHT20	MCS0	2	144	5720	0.66	0.66			10.14	11.00		5.43		Pass
VHT40	MCS0	2	142	5710	0.66	0.66			8.12	11.00		5.43		Pass
VHT80	MCS0	2	138	5690	0.67	0.67			5.75	11.00		5.43		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	18.93	18.88	20.96	21.12	-		22.76		-	-
HE20	MCS0	2	44	5220	Full	18.88	19.23	21.20	29.60	-		22.76			
HE20	MCS0	2	48	5240	Full	18.83	18.88	21.36	21.04	-		22.75			
HE40	MCS0	2	38	5190	Full	37.86	37.86	41.92	41.76	-		23.01			
HE40	MCS0	2	46	5230	Full	37.56	37.76	41.44	41.28	-		23.01			
HE80	MCS0	2	42	5210	Full	76.72	76.96	82.88	82.24	-		23.01			
HE160	MCS0	2	50	5250	Full	155.12	155.60	166.08	164.64	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	18.00	17.20	20.63	24.00		2.21			Pass
HE20	MCS0	2	36	5180	26/0	9.00	9.80	12.43	24.00		2.21			Pass
HE20	MCS0	2	36	5180	52/37	12.00	12.50	15.27	24.00		2.21			Pass
HE20	MCS0	2	36	5180	106/53	14.20	15.20	17.74	24.00		2.21			Pass
HE20	MCS0	2	44	5220	Full	18.70	18.50	21.61	24.00		2.21			Pass
HE20	MCS0	2	44	5220	26/4	11.70	12.50	15.13	24.00		2.21			Pass
HE20	MCS0	2	44	5220	52/38	13.20	14.40	16.85	24.00		2.21			Pass
HE20	MCS0	2	44	5220	106/53	16.60	16.90	19.76	24.00		2.21			Pass
HE20	MCS0	2	48	5240	Full	18.90	18.10	21.53	24.00		2.21			Pass
HE20	MCS0	2	48	5240	26/8	9.50	11.20	13.44	24.00		2.21			Pass
HE20	MCS0	2	48	5240	52/40	12.80	14.00	16.45	24.00		2.21			Pass
HE20	MCS0	2	48	5240	106/54	16.10	17.10	19.64	24.00		2.21			Pass
HE40	MCS0	2	38	5190	Full	15.90	15.30	18.62	24.00		2.21			Pass
HE40	MCS0	2	38	5190	242/61	14.30	15.50	17.95	24.00		2.21			Pass
HE40	MCS0	2	46	5230	Full	18.60	17.30	21.01	24.00		2.21			Pass
HE40	MCS0	2	46	5230	242/62	16.40	16.90	19.67	24.00		2.21			Pass
HE80	MCS0	2	42	5210	Full	17.00	16.10	19.58	24.00		2.21			Pass
HE80	MCS0	2	42	5210	484/65	13.80	14.00	16.91	24.00		2.21			Pass
HE160	MCS0	2	50	5250	Full	12.90	11.90	15.44	24.00		2.21			Pass
HE160	MCS0	2	50	5250	996/67	12.00	12.50	15.27	24.00		2.21			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	36	5180	Full	0.67	0.65			9.39	11.00	5.22			Pass
HE20	MCS0	2	36	5180	26/0	0.63	0.63			9.03	11.00	5.22			Pass
HE20	MCS0	2	36	5180	52/37	0.64	0.64			9.12	11.00	5.22			Pass
HE20	MCS0	2	36	5180	106/53	0.67	0.67			8.64	11.00	5.22			Pass
HE20	MCS0	2	44	5220	Full	0.67	0.65			10.51	11.00	5.22			Pass
HE20	MCS0	2	44	5220	26/4	0.63	0.63			10.35	11.00	5.22			Pass
HE20	MCS0	2	44	5220	52/38	0.64	0.64			10.23	11.00	5.22			Pass
HE20	MCS0	2	44	5220	106/53	0.67	0.67			10.20	11.00	5.22			Pass
HE20	MCS0	2	48	5240	Full	0.67	0.65			10.51	11.00	5.22			Pass
HE20	MCS0	2	48	5240	26/8	0.63	0.63			10.32	11.00	5.22			Pass
HE20	MCS0	2	48	5240	52/40	0.64	0.64			10.28	11.00	5.22			Pass
HE20	MCS0	2	48	5240	106/54	0.67	0.67			10.24	11.00	5.22			Pass
HE40	MCS0	2	38	5190	Full	0.68	0.66			5.24	11.00	5.22			Pass
HE40	MCS0	2	38	5190	242/61	0.66	0.66			5.14	11.00	5.22			Pass
HE40	MCS0	2	46	5230	Full	0.68	0.66			7.24	11.00	5.22			Pass
HE40	MCS0	2	46	5230	242/62	0.66	0.66			6.91	11.00	5.22			Pass
HE80	MCS0	2	42	5210	Full	0.67	0.67		3.17	11.00	5.22			Pass	
HE80	MCS0	2	42	5210	484/65	0.66	0.66		1.03	11.00	5.22			Pass	
HE160	MCS0	2	50	5250	Full	0.69	0.65		-3.96	11.00	5.22			Pass	
HE160	MCS0	2	50	5250	996/67	0.69	0.66		-4.02	11.00	5.22			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	52	5260	Full	18.88	18.83	20.96	20.96	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	Full	18.88	18.98	20.96	25.68	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.83	20.88	21.36	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.66	37.66	41.28	41.28	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.66	41.44	41.44	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.72	77.08	81.92	82.88	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	18.70	18.60	21.66	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	26/0	9.70	11.00	13.41	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	52/37	12.70	14.00	16.41	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	106/53	14.90	17.00	19.09	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	Full	18.80	18.80	21.81	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	26/4	11.20	12.10	14.68	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	52/38	13.00	14.00	16.54	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	106/53	16.50	16.70	19.61	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	Full	17.20	16.60	19.92	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	26/8	8.00	9.40	11.77	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	52/40	11.30	11.60	14.46	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	106/54	13.50	14.50	17.04	23.98		2.64		30	Pass
HE40	MCS0	2	54	5270	Full	17.80	16.90	20.38	23.98		2.64		30	Pass
HE40	MCS0	2	54	5270	242/61	15.20	16.40	18.85	23.98		2.64		30	Pass
HE40	MCS0	2	62	5310	Full	16.30	15.20	18.80	23.98		2.64		30	Pass
HE40	MCS0	2	62	5310	242/62	14.10	14.80	17.47	23.98		2.64		30	Pass
HE80	MCS0	2	58	5290	Full	15.00	14.30	17.67	23.98		2.64		30	Pass
HE80	MCS0	2	58	5290	484/66	13.40	14.60	17.05	23.98		2.64		30	Pass
HE160	MCS0	2	50	5250	996/S67	11.40	11.80	14.61	23.98		2.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass. /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	0.67	0.65	-		10.28	11.00		5.59	-	Pass	
HE20	MCS0	2	52	5260	26/0	0.63	0.63			9.86	11.00		5.59		Pass	
HE20	MCS0	2	52	5260	52/37	0.64	0.64			9.92	11.00		5.59		Pass	
HE20	MCS0	2	52	5260	106/53	0.67	0.67			9.74	11.00		5.59		Pass	
HE20	MCS0	2	60	5300	Full	0.67	0.65			10.14	11.00		5.59		Pass	
HE20	MCS0	2	60	5300	26/4	0.63	0.63			9.72	11.00		5.59		Pass	
HE20	MCS0	2	60	5300	52/38	0.64	0.64			9.79	11.00		5.59		Pass	
HE20	MCS0	2	60	5300	106/53	0.67	0.67			9.87	11.00		5.59		Pass	
HE20	MCS0	2	64	5320	Full	0.67	0.65			8.59	11.00		5.59		Pass	
HE20	MCS0	2	64	5320	26/8	0.63	0.63			8.37	11.00		5.59		Pass	
HE20	MCS0	2	64	5320	52/40	0.64	0.64			7.91	11.00		5.59		Pass	
HE20	MCS0	2	64	5320	106/54	0.67	0.67			7.53	11.00		5.59		Pass	
HE40	MCS0	2	54	5270	Full	0.68	0.66			6.17	11.00		5.59		Pass	
HE40	MCS0	2	54	5270	242/61	0.66	0.66			5.86	11.00		5.59		Pass	
HE40	MCS0	2	62	5310	Full	0.68	0.66			5.07	11.00		5.59		Pass	
HE40	MCS0	2	62	5310	242/62	0.66	0.66			4.38	11.00		5.59		Pass	
HE80	MCS0	2	58	5290	Full	0.67	0.67		1.20	11.00		5.59	Pass			
HE80	MCS0	2	58	5290	484/66	0.66	0.66		0.79	11.00		5.59	Pass			
HE160	MCS0	2	50	5250	996/S67	0.69	0.66		-4.32	11.00		5.59	Pass			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	100	5500	Full	18.88	18.93	21.20	21.36	23.76		29.76		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.83	18.93	20.96	22.00	23.75		29.75		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.88	18.88	21.12	21.04	23.76		29.76		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.76	41.28	41.44	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.66	37.86	41.44	41.76	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.86	41.76	41.28	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.96	76.84	82.56	81.29	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.08	76.96	82.56	82.24	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.32	155.84	167.52	165.12	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	144	5720	Full	14.45	14.45	15.48	15.88	22.60		28.60		22.90		0.95	2.55
HE40	MCS0	2	142	5710	Full	33.89	33.99	35.64	35.80	23.98		30.00		23.98		2.64	2.64
HE80	MCS0	2	138	5690	Full	73.49	73.49	75.96	76.28	23.98		30.00		23.98		0.2	2.76

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	100	5500	Full	18.70	17.80	21.28	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	26/0	10.00	10.40	13.21	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	52/37	12.70	14.00	16.41	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	106/53	13.10	14.40	16.81	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	Full	18.50	18.00	21.27	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	26/4	10.90	11.90	14.44	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	52/38	12.60	13.50	16.08	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	106/53	15.30	16.40	18.90	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	Full	16.60	17.20	19.92	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	26/8	8.10	9.40	11.81	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	52/40	10.80	12.40	14.68	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	106/54	12.20	14.00	16.20	23.98		2.53		30	Pass
HE40	MCS0	2	102	5510	Full	17.30	16.40	19.88	23.98		2.53		30	Pass
HE40	MCS0	2	102	5510	242/61	13.10	13.70	16.42	23.98		2.53		30	Pass
HE40	MCS0	2	110	5550	Full	18.70	17.80	21.28	23.98		2.53		30	Pass
HE40	MCS0	2	110	5550	242/61	17.70	18.00	20.86	23.98		2.53		30	Pass
HE40	MCS0	2	134	5670	Full	17.40	17.50	20.46	23.98		2.53		30	Pass
HE40	MCS0	2	134	5670	242/62	14.20	15.00	17.63	23.98		2.53		30	Pass
HE80	MCS0	2	106	5530	Full	16.30	15.70	19.02	23.98		2.53		30	Pass
HE80	MCS0	2	106	5530	484/65	13.20	14.00	16.63	23.98		2.53		30	Pass
HE80	MCS0	2	122	5610	Full	17.50	17.30	20.41	23.98		2.53		30	Pass
HE80	MCS0	2	122	5610	484/66	11.20	11.50	14.36	23.98		2.53		30	Pass
HE160	MCS0	2	114	5570	Full	13.60	13.60	16.61	23.98		2.53		30	Pass
HE160	MCS0	2	114	5570	996/67	12.20	12.70	15.47	23.98		2.53		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	18.30	18.80	21.57	22.90		2.53		30	Pass
HE20	MCS0	2	144	5720	26/8	10.50	11.40	13.98	22.90		2.53		30	Pass
HE20	MCS0	2	144	5720	52/40	13.20	14.50	16.91	22.90		2.53		30	Pass
HE20	MCS0	2	144	5720	106/54	15.20	17.00	19.20	22.90		2.53		30	Pass
HE40	MCS0	2	142	5710	Full	18.70	19.00	21.86	23.98		2.53		30	Pass
HE40	MCS0	2	142	5710	242/62	17.40	18.40	20.94	23.98		2.53		30	Pass
HE80	MCS0	2	138	5690	Full	18.70	18.80	21.76	23.98		2.53		30	Pass
HE80	MCS0	2	138	5690	484/66	18.00	18.50	21.27	23.98		2.53		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	100	5500	Full	0.67	0.65	-		9.98	11.00		5.43		Pass
HE20	MCS0	2	100	5500	26/0	0.63	0.63			9.48	11.00		5.43		Pass
HE20	MCS0	2	100	5500	52/37	0.64	0.64			9.63	11.00		5.43		Pass
HE20	MCS0	2	100	5500	106/53	0.67	0.67			7.05	11.00		5.43		Pass
HE20	MCS0	2	116	5580	Full	0.67	0.65			9.89	11.00		5.43		Pass
HE20	MCS0	2	116	5580	26/4	0.63	0.63			9.73	11.00		5.43		Pass
HE20	MCS0	2	116	5580	52/38	0.64	0.64			9.68	11.00		5.43		Pass
HE20	MCS0	2	116	5580	106/53	0.67	0.67			9.49	11.00		5.43		Pass
HE20	MCS0	2	140	5700	Full	0.67	0.65			8.60	11.00		5.43		Pass
HE20	MCS0	2	140	5700	26/8	0.63	0.63			8.14	11.00		5.43		Pass
HE20	MCS0	2	140	5700	52/40	0.64	0.64			8.21	11.00		5.43		Pass
HE20	MCS0	2	140	5700	106/54	0.67	0.67			7.15	11.00		5.43		Pass
HE40	MCS0	2	102	5510	Full	0.68	0.66			6.25	11.00		5.43		Pass
HE40	MCS0	2	102	5510	242/61	0.66	0.66			3.67	11.00		5.43		Pass
HE40	MCS0	2	110	5550	Full	0.68	0.66			7.71	11.00		5.43		Pass
HE40	MCS0	2	110	5550	242/61	0.66	0.66			7.55	11.00		5.43		Pass
HE40	MCS0	2	134	5670	Full	0.68	0.66			6.69	11.00		5.43		Pass
HE40	MCS0	2	134	5670	242/62	0.66	0.66			4.73	11.00		5.43		Pass
HE80	MCS0	2	106	5530	Full	0.67	0.67			2.12	11.00		5.43		Pass
HE80	MCS0	2	106	5530	484/65	0.66	0.66			0.76	11.00		5.43		Pass
HE80	MCS0	2	122	5610	Full	0.67	0.67		4.10	11.00		5.43		Pass	
HE80	MCS0	2	122	5610	484/66	0.66	0.66		-1.44	11.00		5.43		Pass	
HE160	MCS0	2	114	5570	Full	0.69	0.65		-2.93	11.00		5.43		Pass	
HE160	MCS0	2	114	5570	996/67	0.69	0.66		-3.30	11.00		5.43		Pass	
HE160	MCS0	2	114	5570	996/S67	0.69	0.66		-3.46	11.00		5.43		Pass	

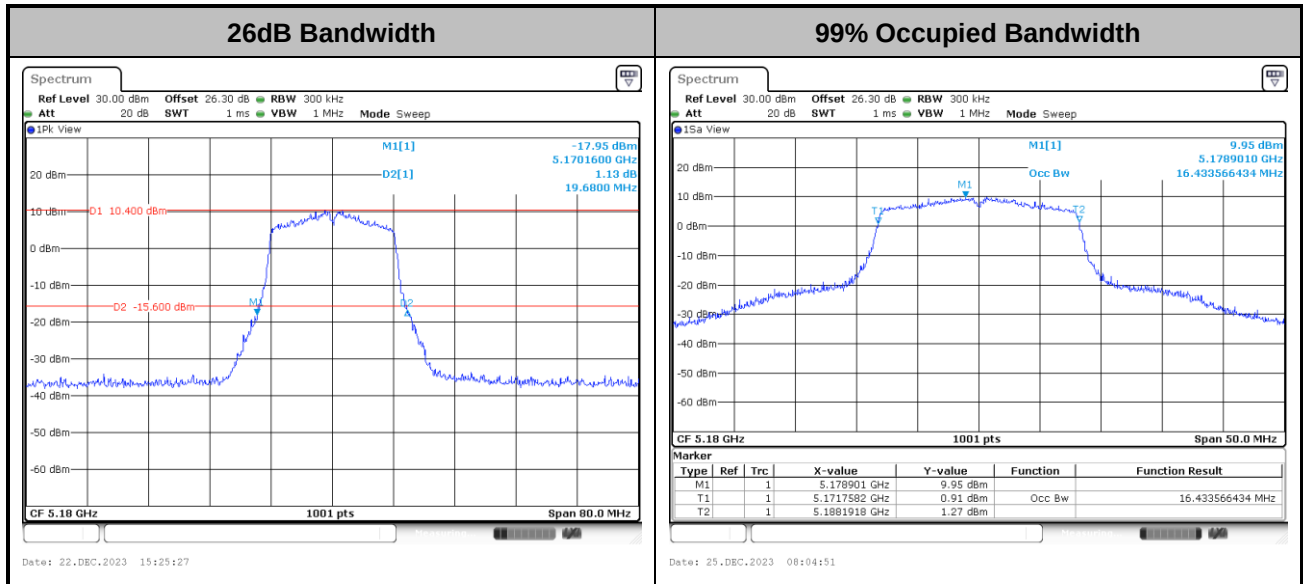
U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	0.67	0.65		10.36	11.00	5.43			Pass		
HE20	MCS0	2	144	5720	26/8	0.63	0.63		10.34	11.00	5.43			Pass		
HE20	MCS0	2	144	5720	52/40	0.64	0.64		10.28	11.00	5.43			Pass		
HE20	MCS0	2	144	5720	106/54	0.67	0.67		10.12	11.00	5.43			Pass		
HE40	MCS0	2	142	5710	Full	0.68	0.66		8.31	11.00	5.43			Pass		
HE40	MCS0	2	142	5710	242/62	0.66	0.66		8.02	11.00	5.43			Pass		
HE80	MCS0	2	138	5690	Full	0.67	0.67		5.58	11.00	5.43			Pass		
HE80	MCS0	2	138	5690	484/66	0.66	0.66		5.25	11.00	5.43			Pass		



Test Result of 26dB & 99% Occupied Bandwidth

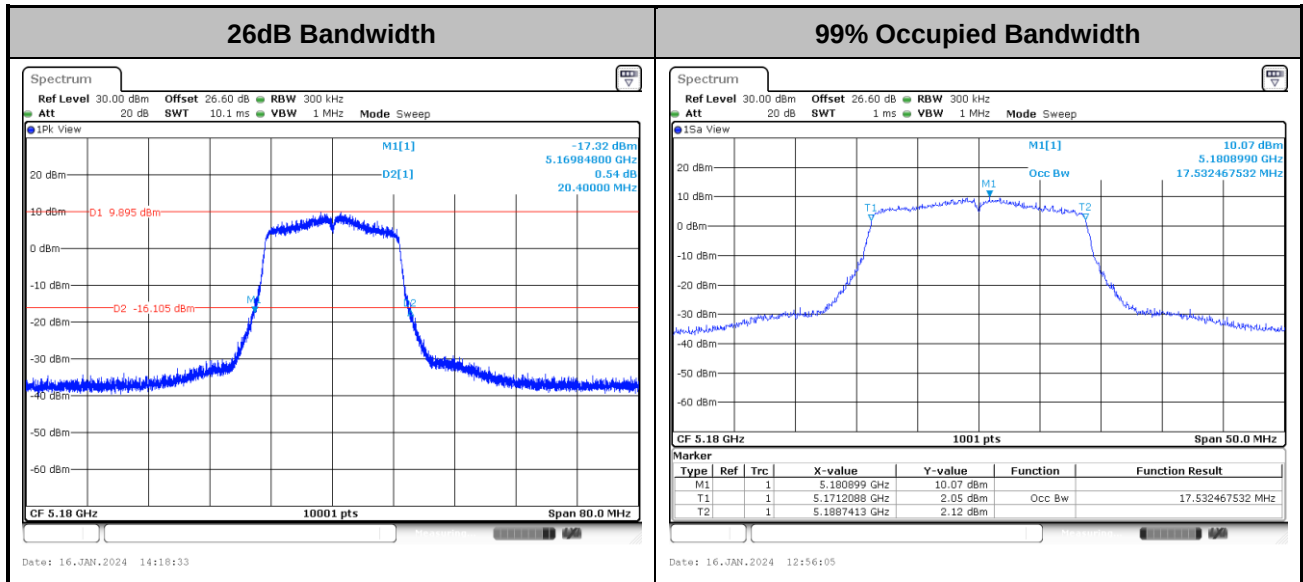
MIMO <Ant. 6+7>

<802.11a>



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

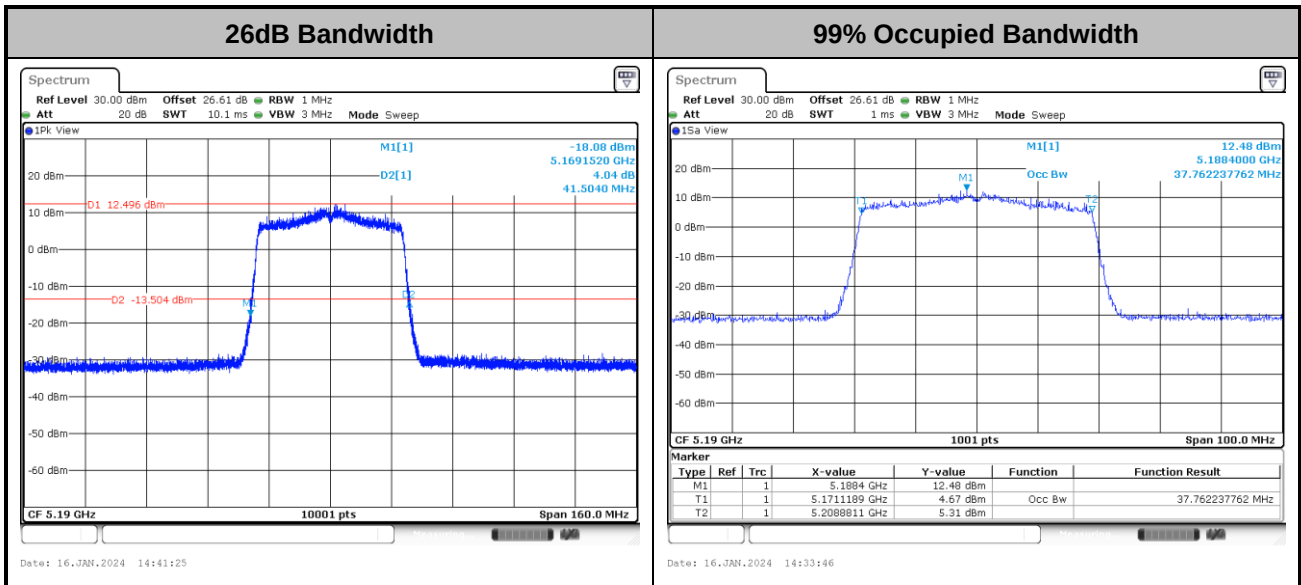
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

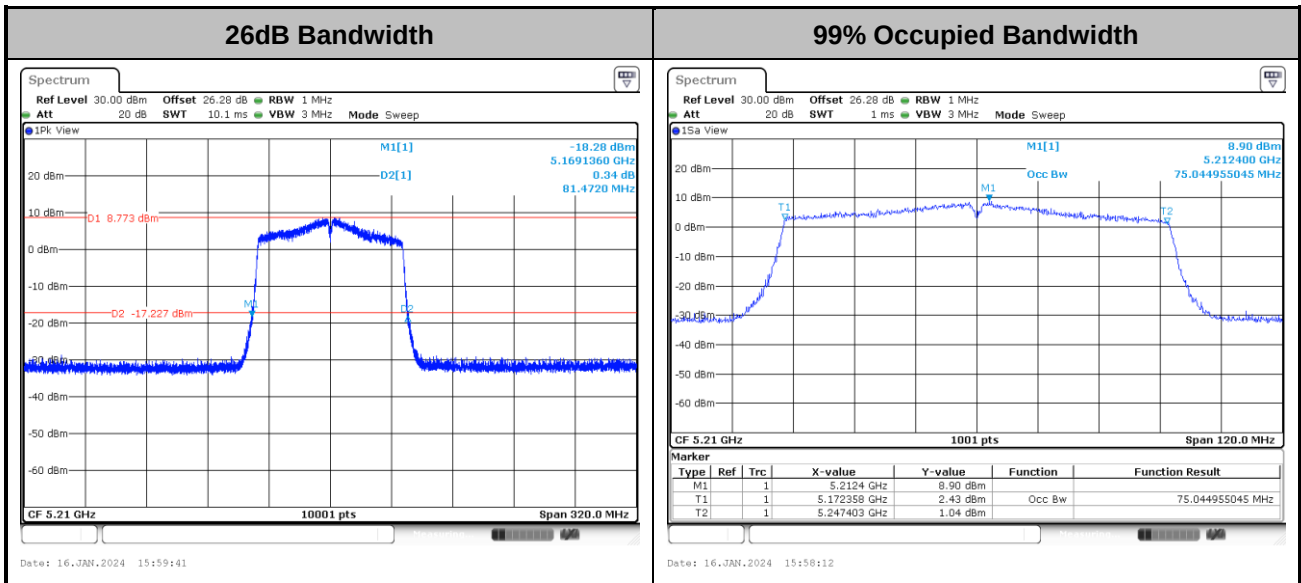


<802.11ac VHT40>



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

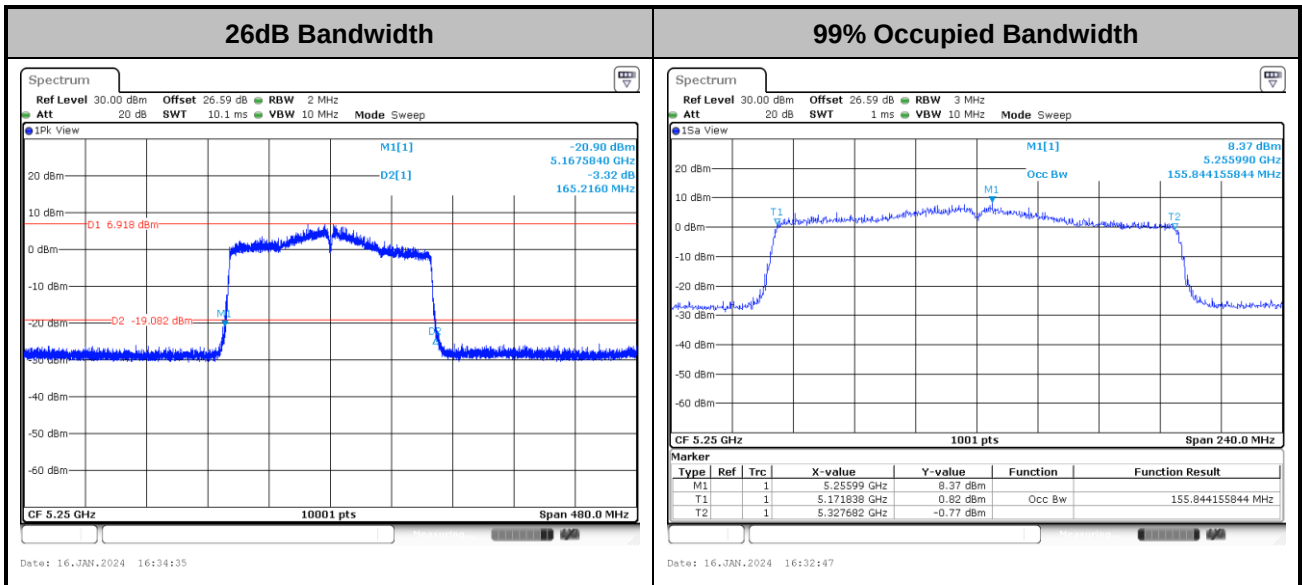
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

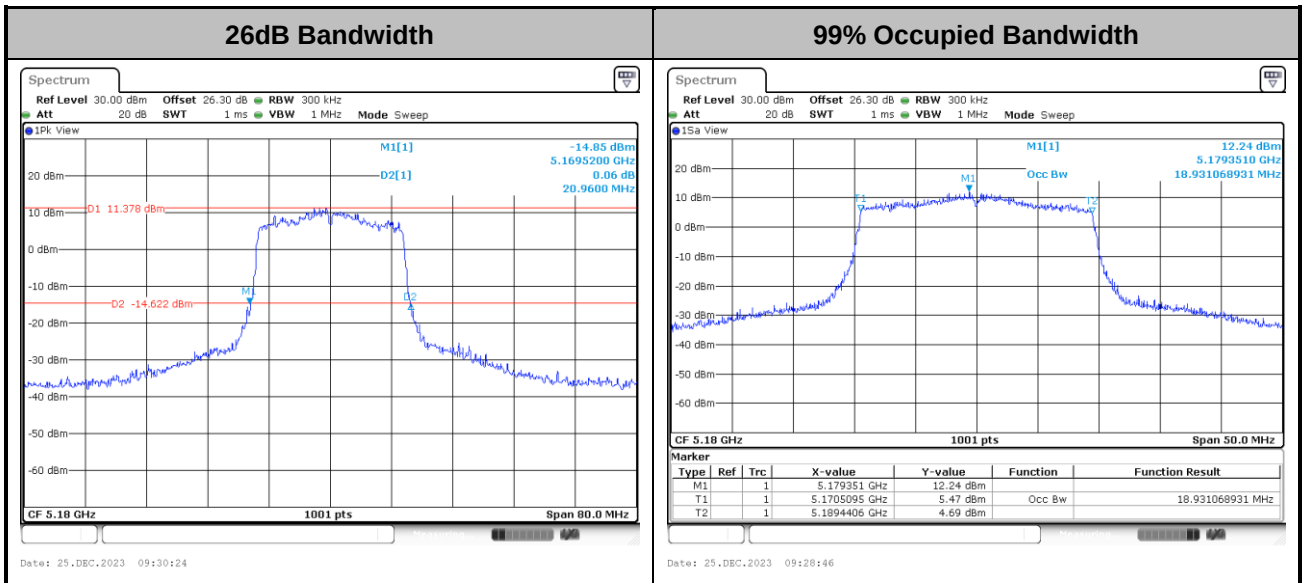


<802.11ac VHT160>



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

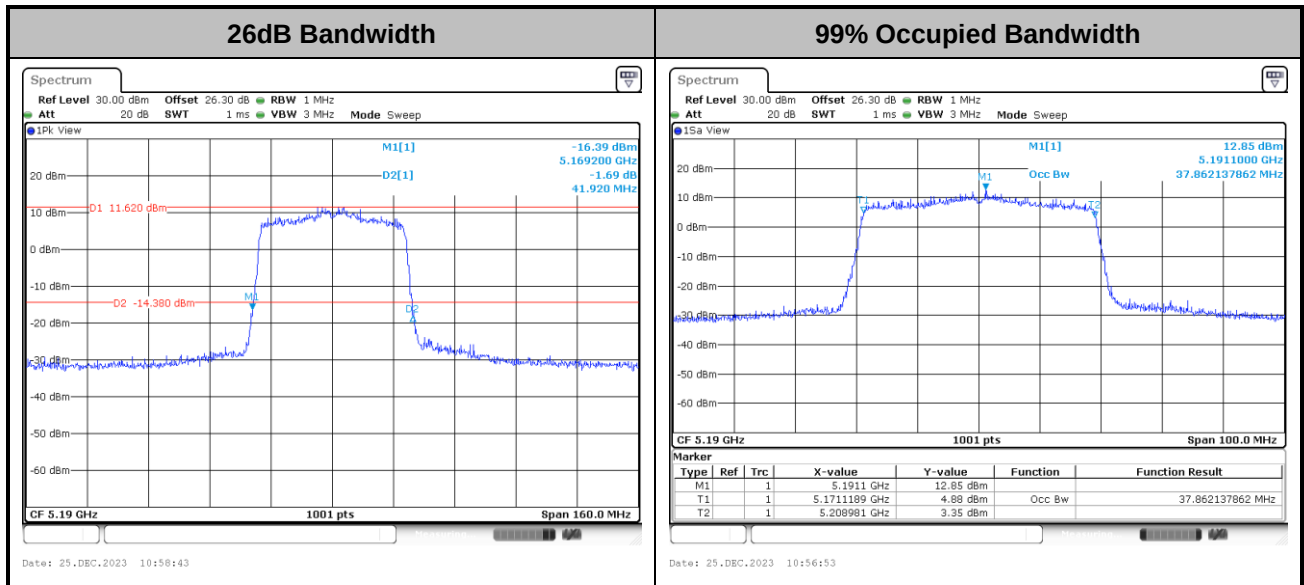
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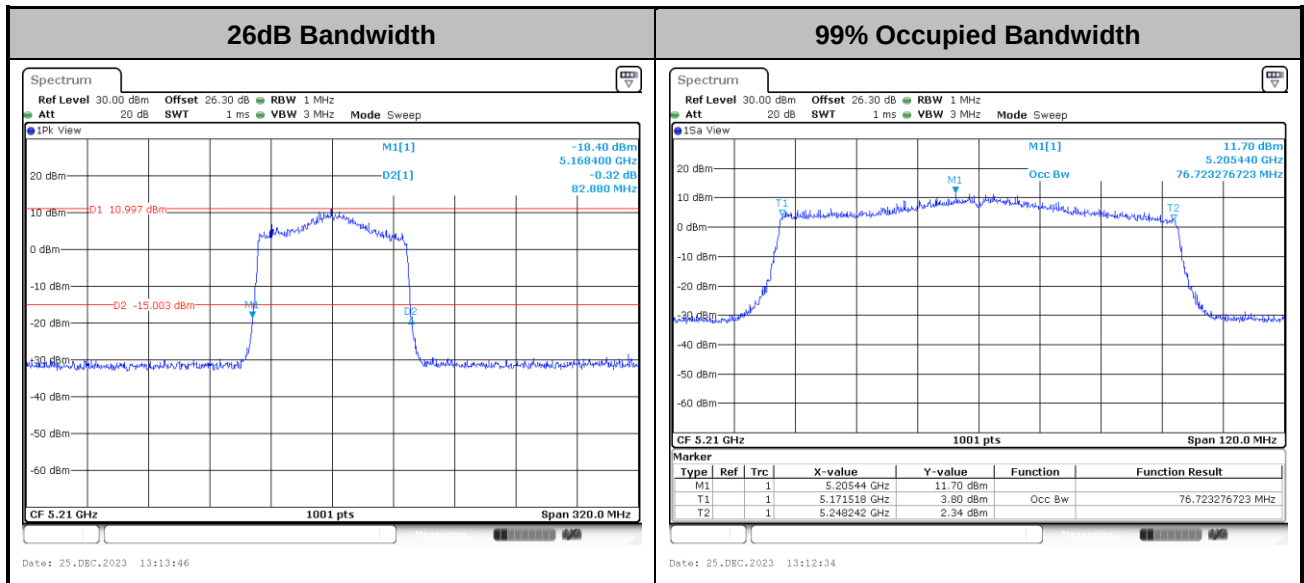
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<802.11ax HE40>

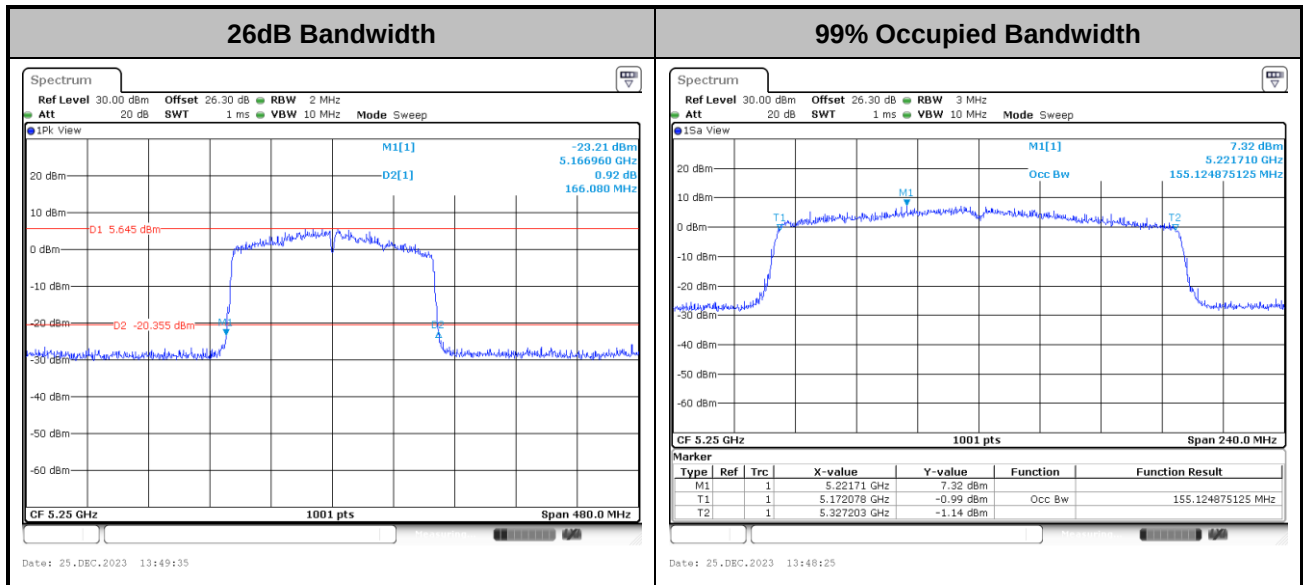


<802.11ax HE80>





<802.11ax HE160>

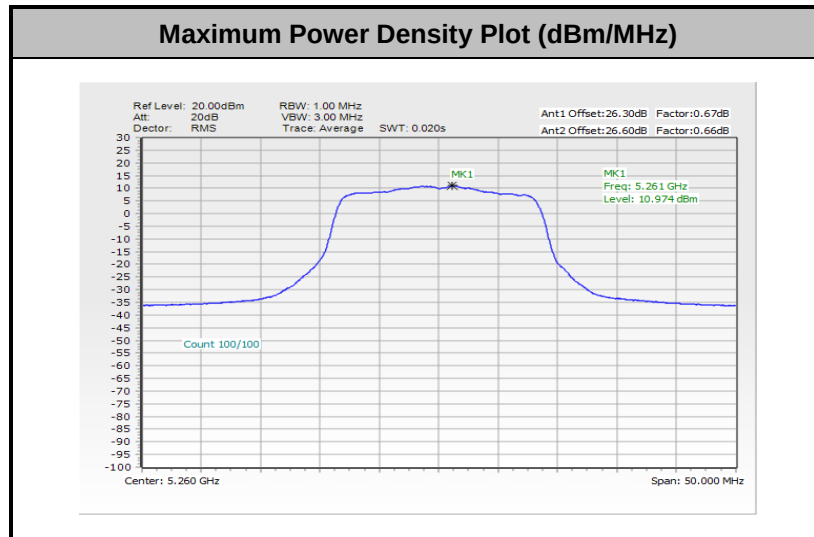


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

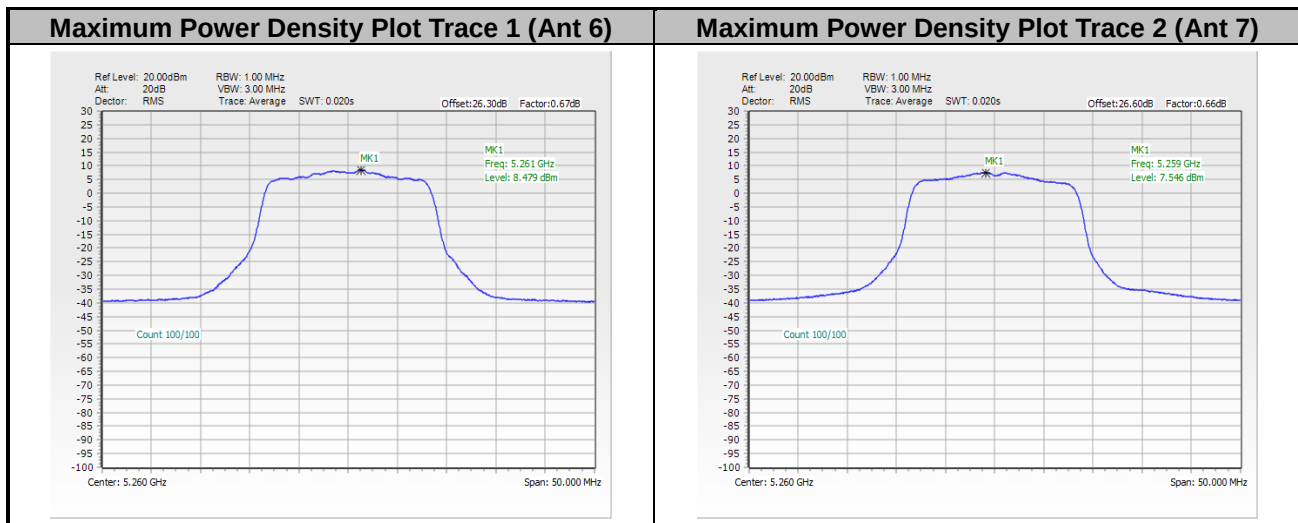


Test Result of Power Spectral Density

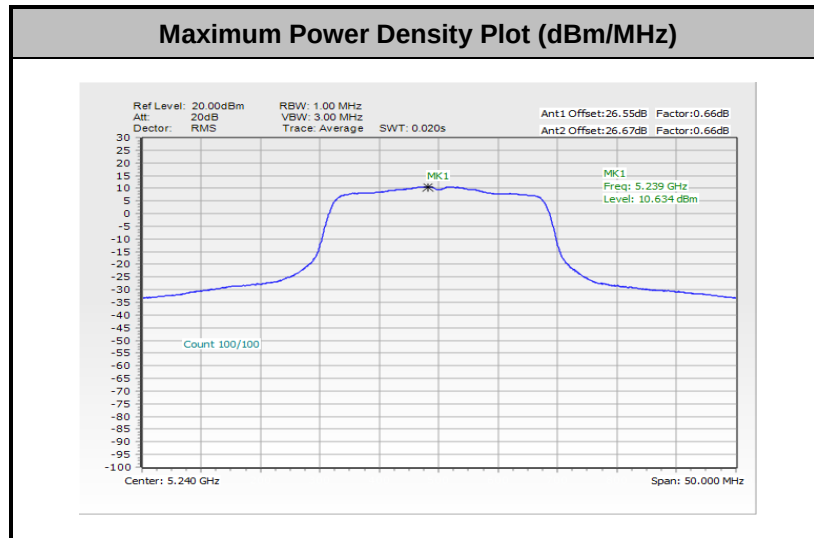
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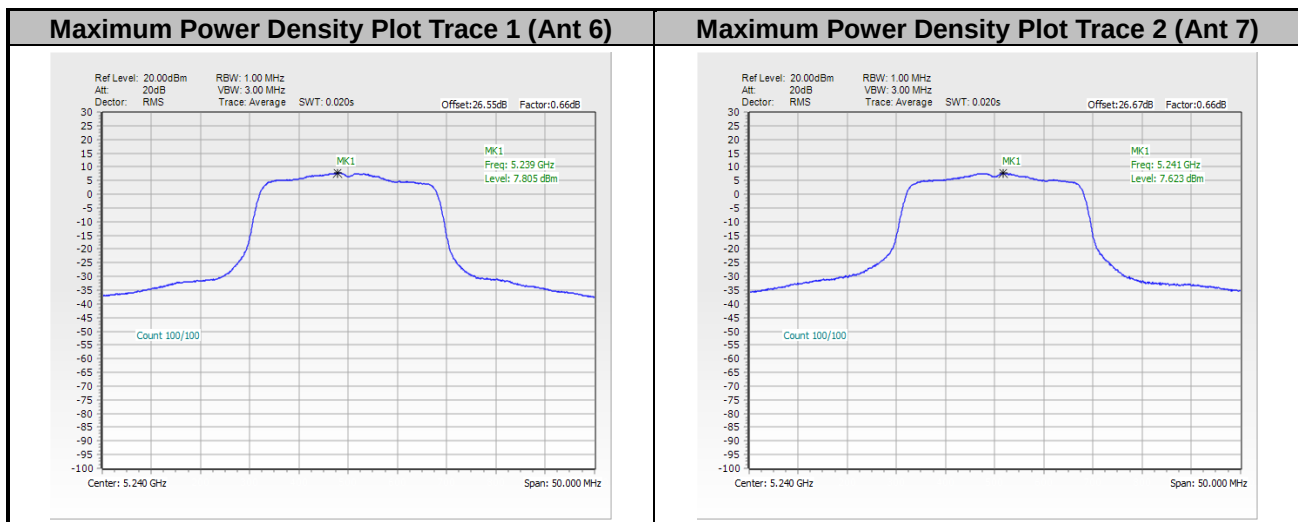
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



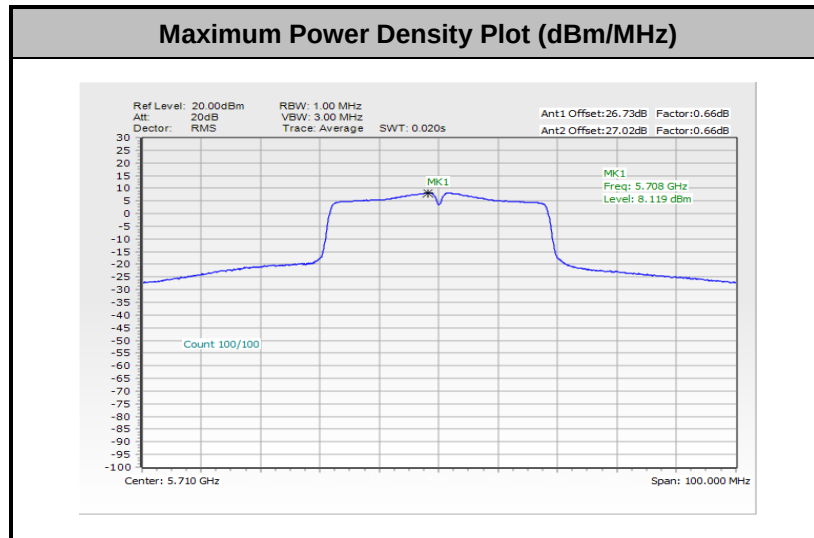
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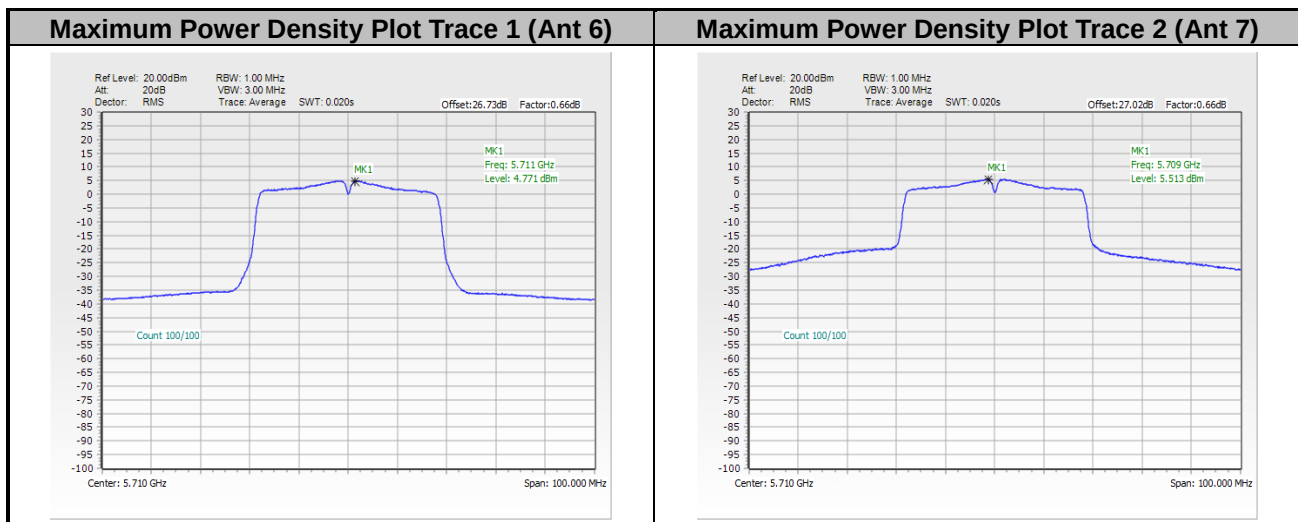
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



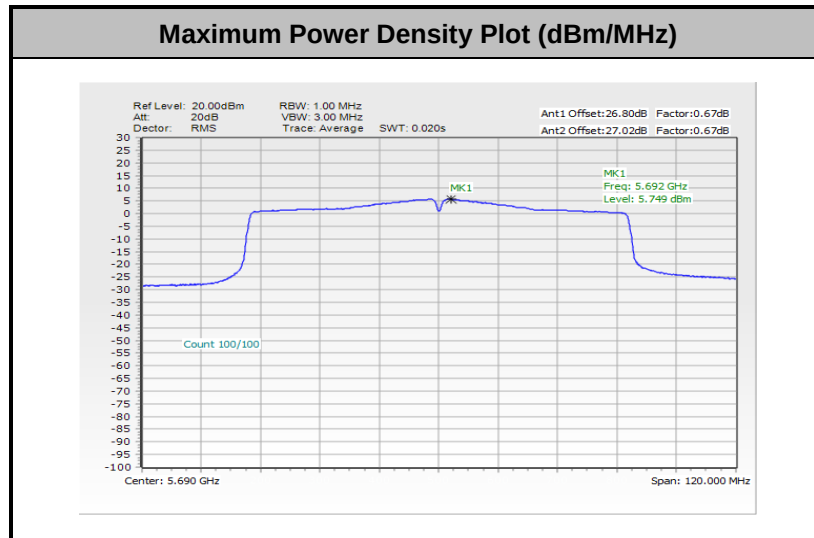
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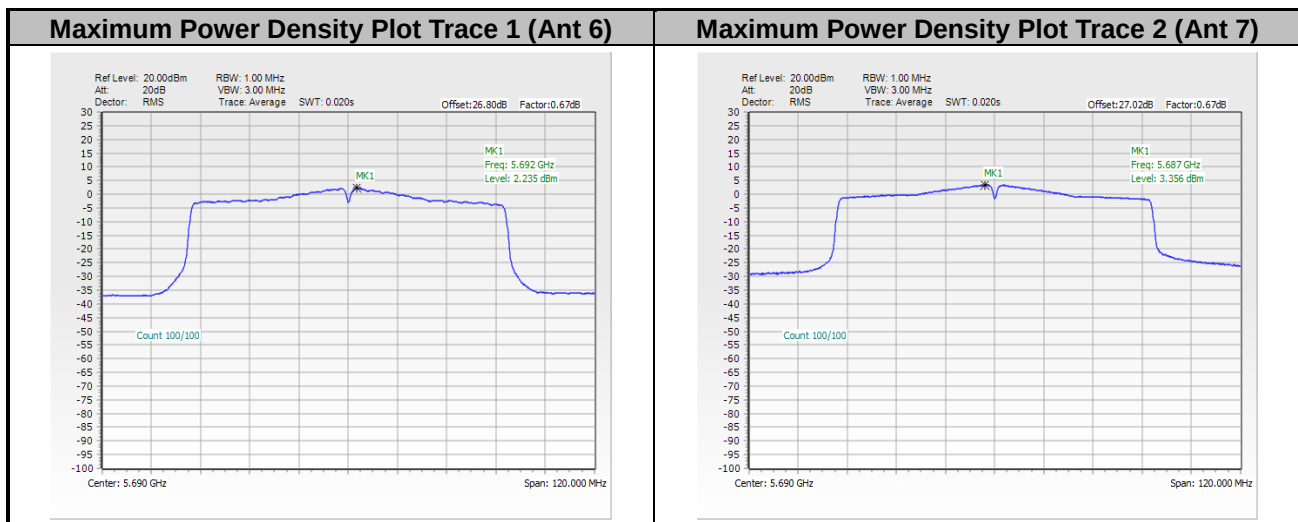
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



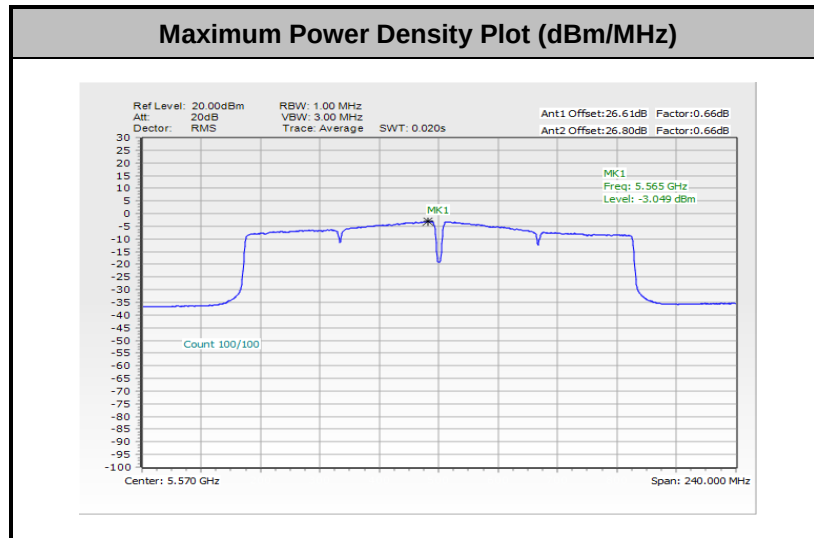
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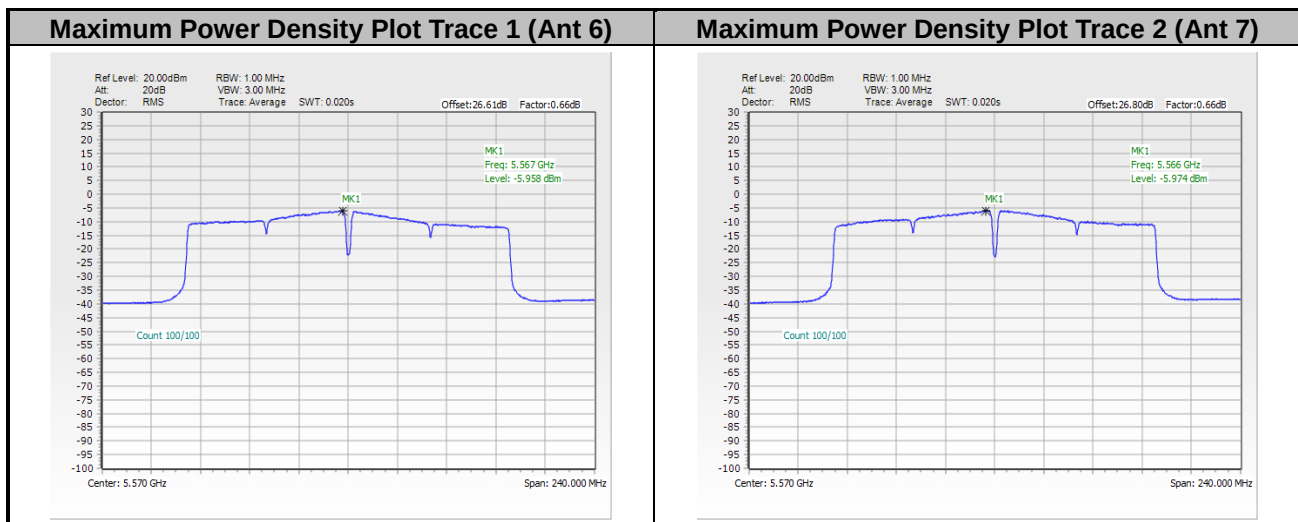
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



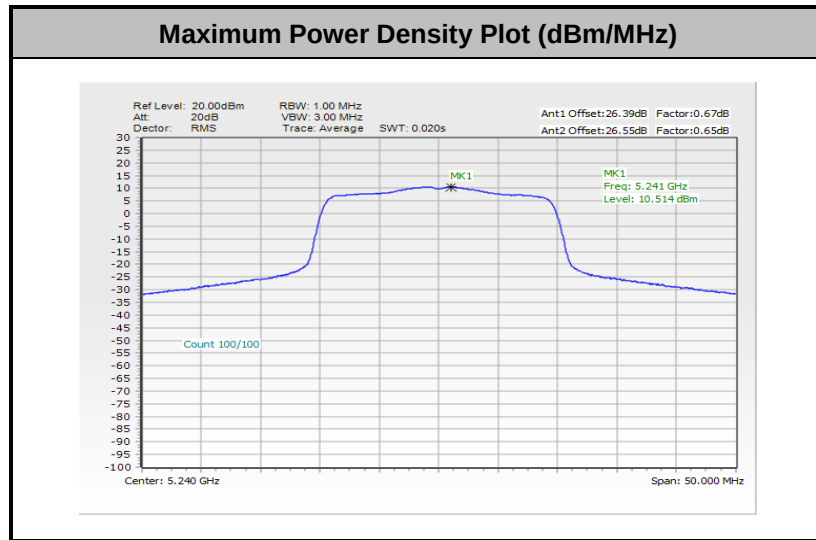
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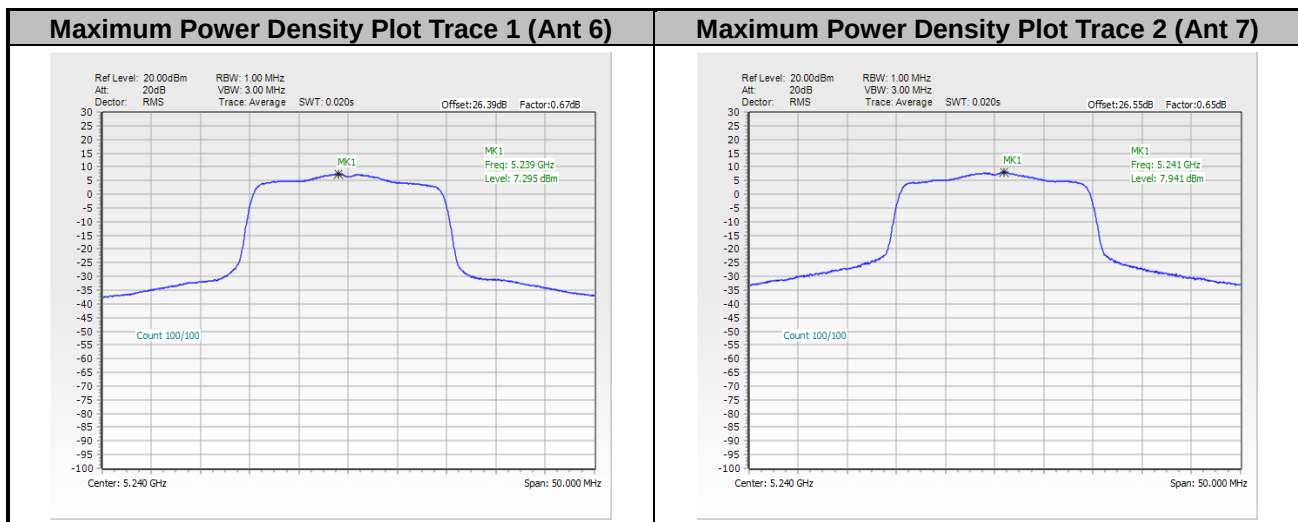
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



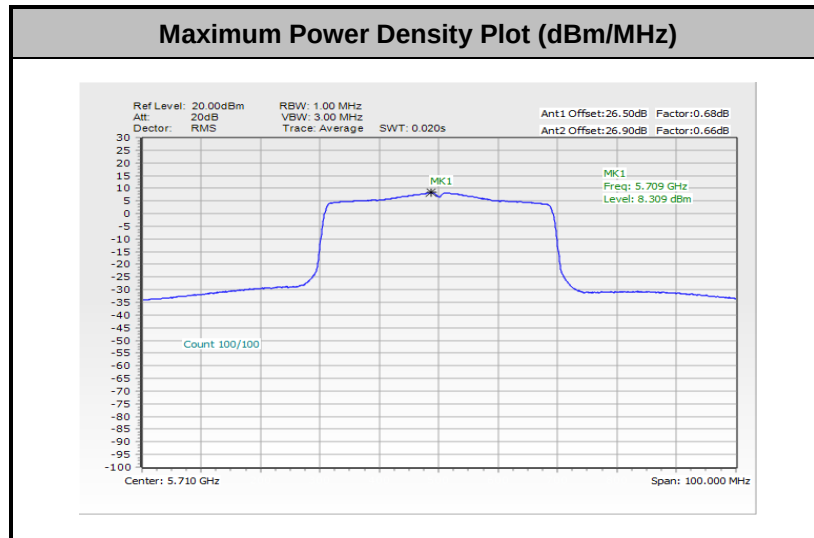
<802.11ax HE20>



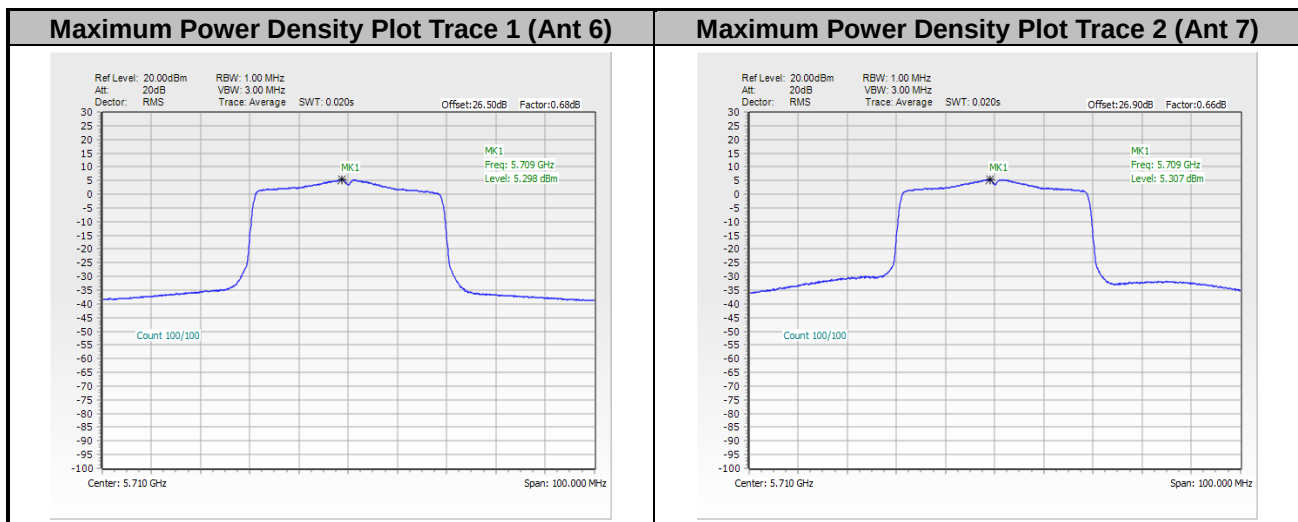
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



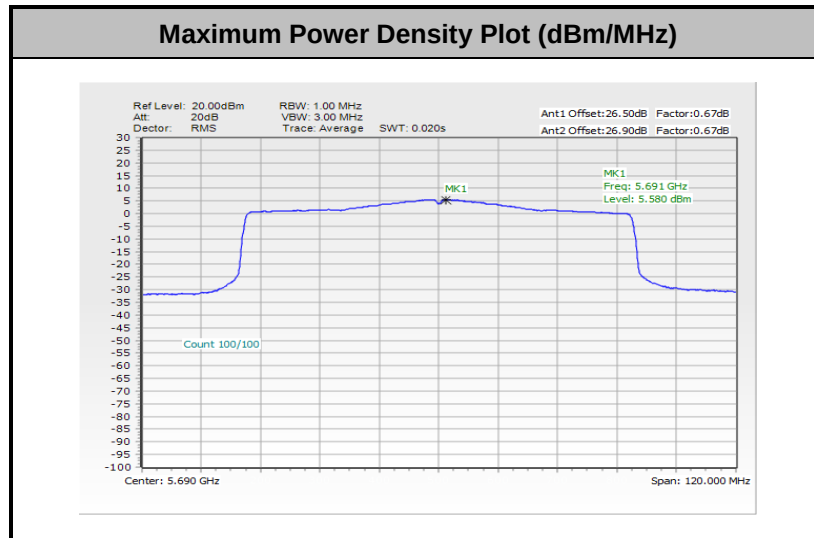
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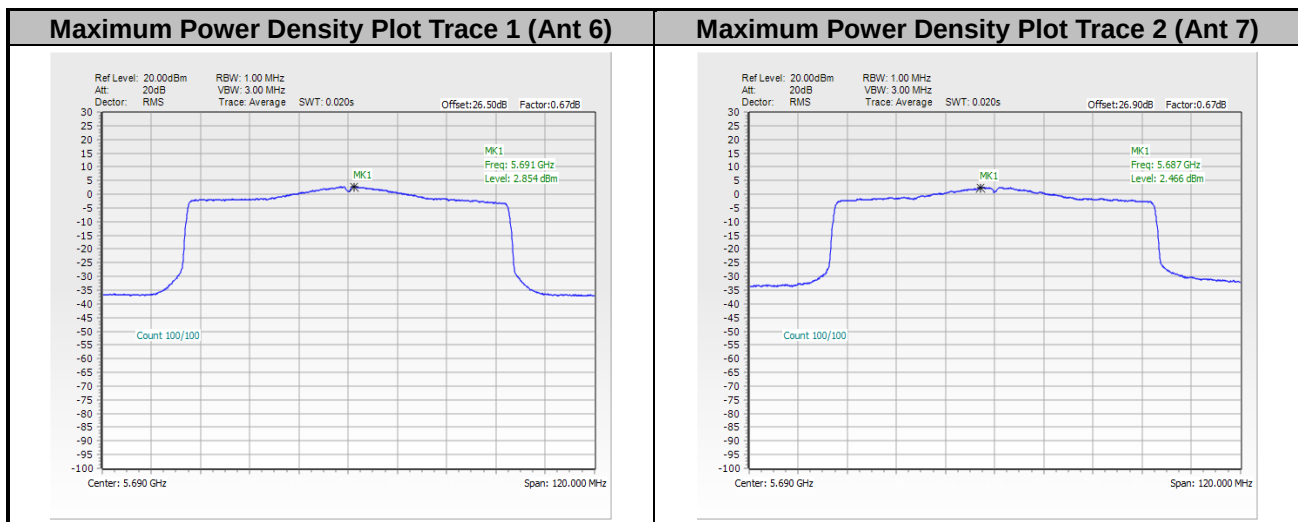
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



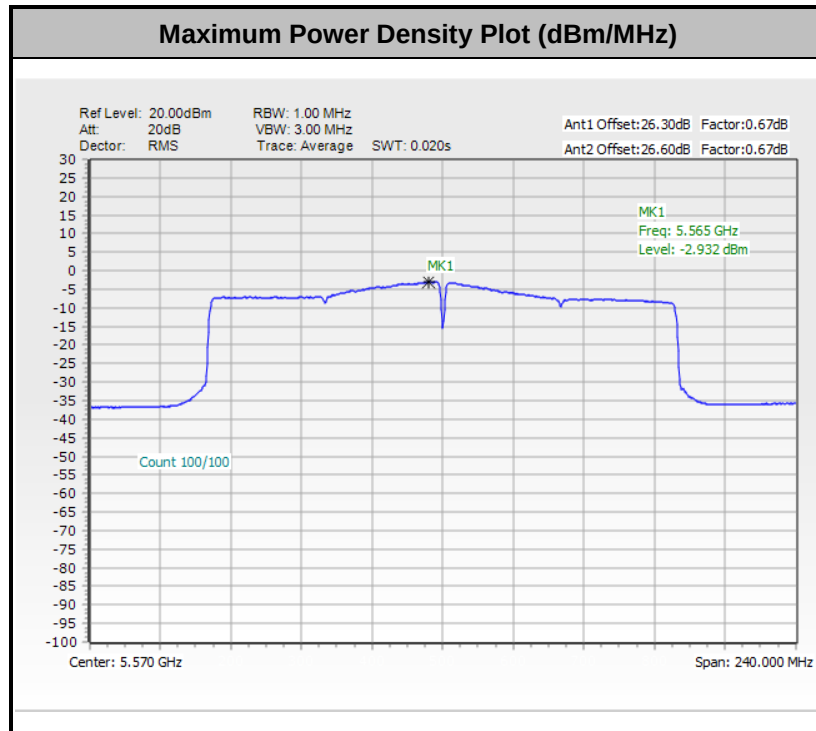
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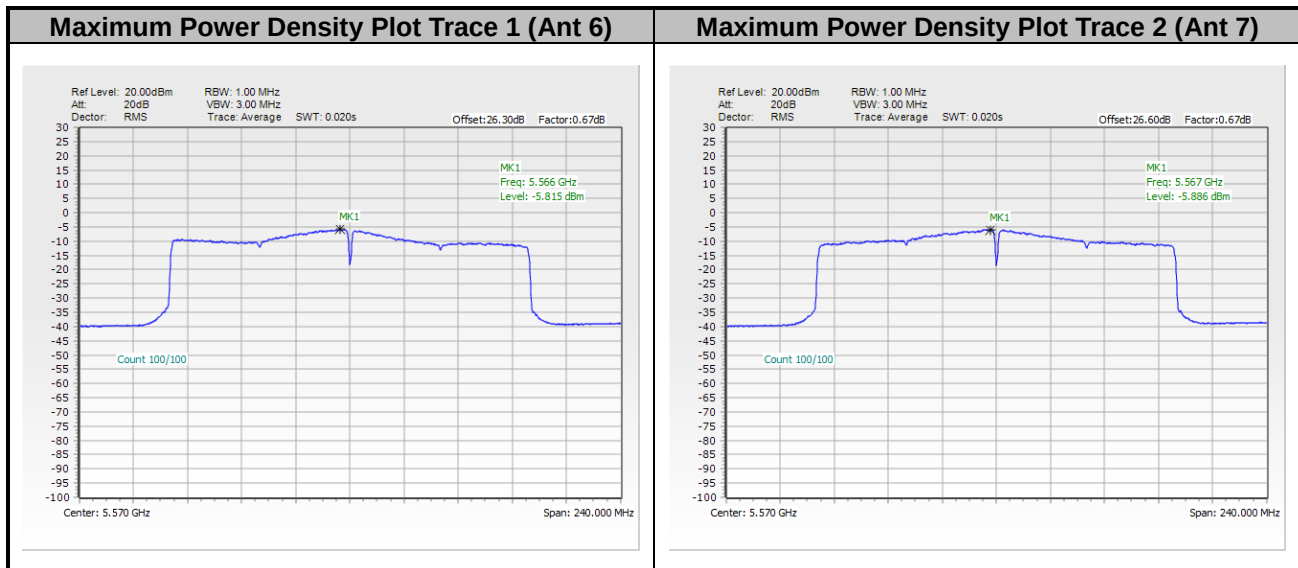
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ax HE160>



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





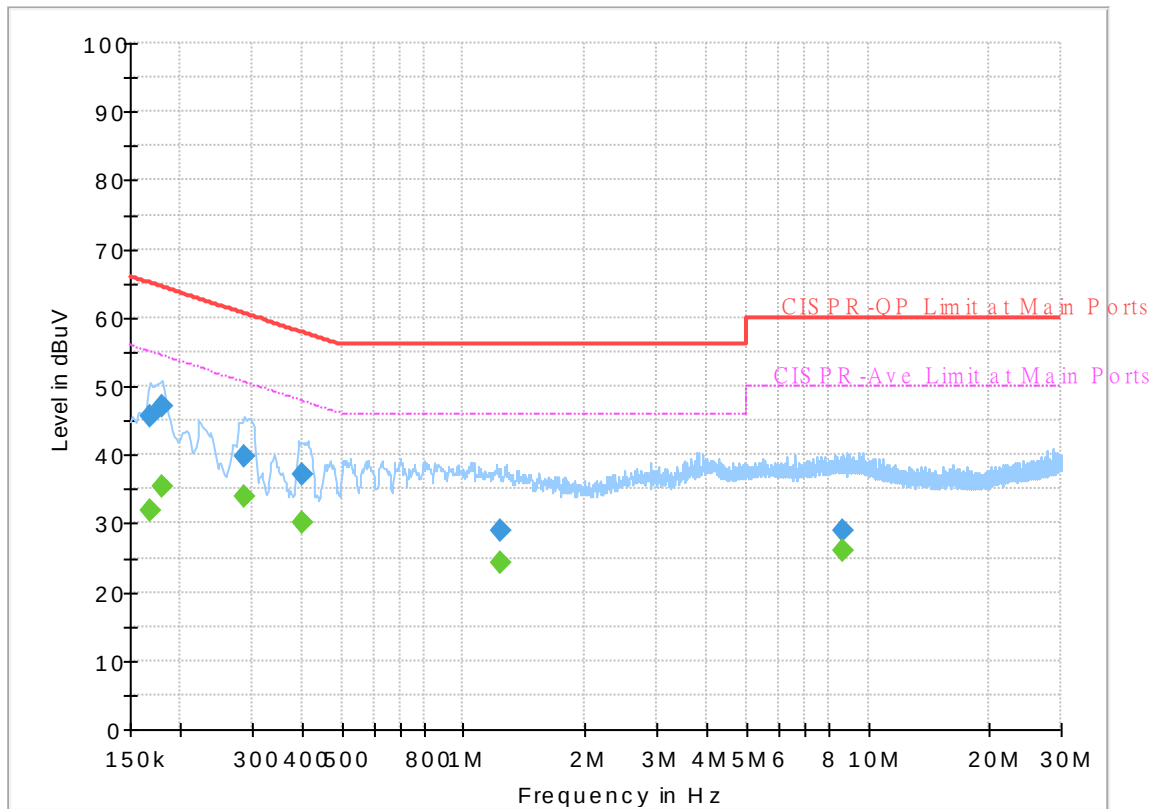
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO : 3N2802
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



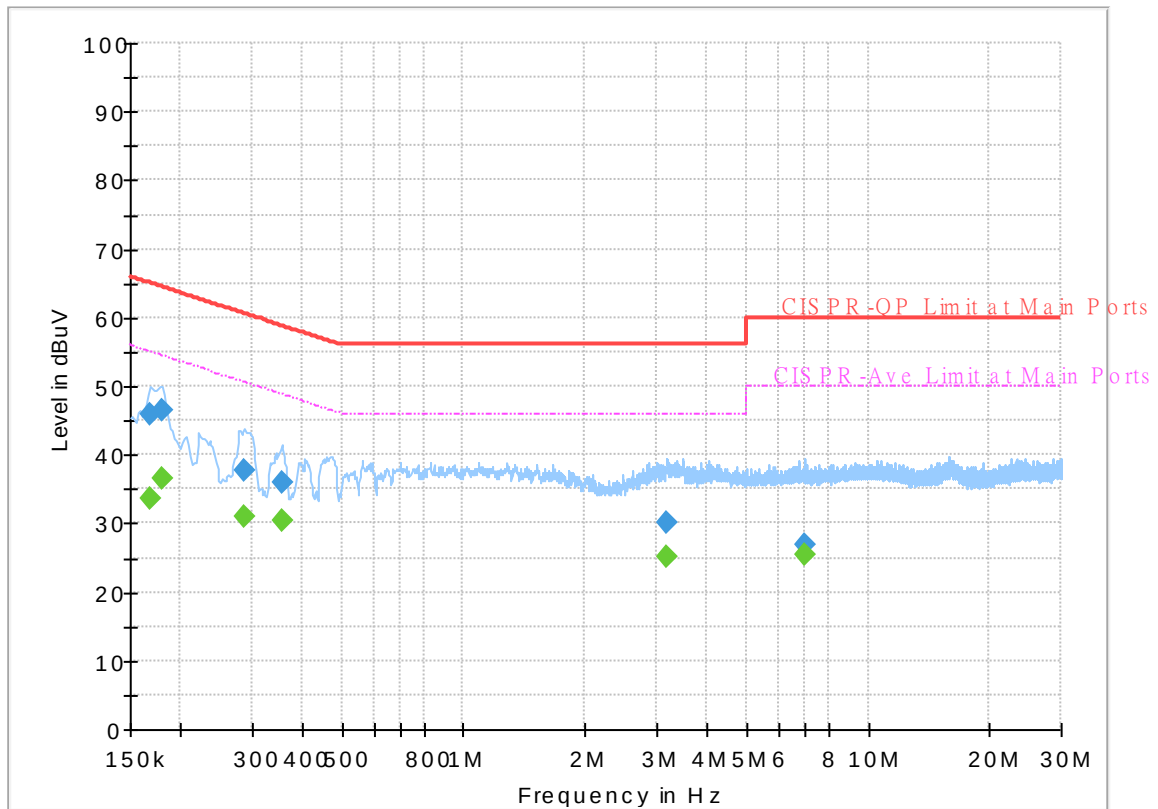
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	31.90	55.06	23.16	L1	OFF	19.9
0.168000	45.68	---	65.06	19.38	L1	OFF	19.9
0.179250	---	35.35	54.52	19.17	L1	OFF	19.9
0.179250	46.94	---	64.52	17.58	L1	OFF	19.9
0.287250	---	34.06	50.60	16.54	L1	OFF	19.9
0.287250	39.85	---	60.60	20.75	L1	OFF	19.9
0.399750	---	30.11	47.86	17.75	L1	OFF	19.9
0.399750	37.16	---	57.86	20.70	L1	OFF	19.9
1.234500	---	24.41	46.00	21.59	L1	OFF	19.9
1.234500	29.08	---	56.00	26.92	L1	OFF	19.9
8.621250	---	26.11	50.00	23.89	L1	OFF	20.1
8.621250	28.83	---	60.00	31.17	L1	OFF	20.1

EUT Information

Report NO : 3N2802
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	33.53	55.06	21.53	N	OFF	19.9
0.168000	45.87	---	65.06	19.19	N	OFF	19.9
0.179250	---	36.46	54.52	18.06	N	OFF	19.9
0.179250	46.48	---	64.52	18.04	N	OFF	19.9
0.287250	---	31.01	50.60	19.59	N	OFF	19.9
0.287250	37.64	---	60.60	22.96	N	OFF	19.9
0.354750	---	30.41	48.85	18.44	N	OFF	19.9
0.354750	36.04	---	58.85	22.81	N	OFF	19.9
3.185250	---	25.15	46.00	20.85	N	OFF	20.0
3.185250	30.12	---	56.00	25.88	N	OFF	20.0
7.010250	---	25.36	50.00	24.64	N	OFF	20.1
7.010250	26.98	---	60.00	33.02	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai, and Howard Huang	Temperature :	19.3~23.4°C
		Relative Humidity :	65.9~70.3%

<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.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5137.8	53.66	-20.34	74	45.65	32.92	12.86	37.77	105	124	P	H
		5150	45.55	-8.45	54	37.57	32.9	12.86	37.78	105	124	A	H
	*	5180	115.24	-	-	107.23	32.96	12.85	37.8	105	124	P	H
	*	5180	108.91	-	-	100.9	32.96	12.85	37.8	105	124	A	H
													H
		5146.9	51.67	-22.33	74	43.68	32.91	12.86	37.78	101	42	P	V
		5150	44.65	-9.35	54	36.67	32.9	12.86	37.78	101	42	A	V
	*	5180	114.67	-	-	106.66	32.96	12.85	37.8	101	42	P	V
	*	5180	108.71	-	-	100.7	32.96	12.85	37.8	101	42	A	V
													V
802.11a CH 44 5220MHz		5141.96	53.01	-20.99	74	45	32.92	12.86	37.77	304	314	P	H
		5147.94	41.97	-12.03	54	33.99	32.9	12.86	37.78	304	314	A	H
	*	5220	117.26	-	-	109.26	32.96	12.87	37.83	304	314	P	H
	*	5220	110.46	-	-	102.46	32.96	12.87	37.83	304	314	A	H
		5365.36	47.25	-26.75	74	39.32	32.76	13.1	37.93	304	314	P	H
		5374.88	38.13	-15.87	54	30.15	32.8	13.12	37.94	304	314	A	H
		5147.42	51.41	-22.59	74	43.42	32.91	12.86	37.78	100	42	P	V
		5149.76	43	-11	54	35.02	32.9	12.86	37.78	100	42	A	V
	*	5220	116.18	-	-	108.18	32.96	12.87	37.83	100	42	P	V
	*	5220	109.58	-	-	101.58	32.96	12.87	37.83	100	42	A	V
		5450.2	47.03	-26.97	74	38.81	33	13.21	37.99	100	42	P	V
		5351.08	37.55	-16.45	54	29.69	32.7	13.08	37.92	100	42	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5110.24	50.21	-23.79	74	42.11	32.98	12.87	37.75	109	109	P	H
		5148.72	40.61	-13.39	54	32.63	32.9	12.86	37.78	100	109	A	H
	*	5240	113.49	-	-	105.51	32.92	12.9	37.84	100	109	P	H
	*	5240	106.85	-	-	98.87	32.92	12.9	37.84	100	109	A	H
		5378.24	47.5	-26.5	74	39.5	32.81	13.13	37.94	100	109	P	H
		5352.2	38.43	-15.57	54	30.56	32.71	13.08	37.92	100	109	A	H
		5135.98	49.85	-24.15	74	41.83	32.93	12.86	37.77	100	46	P	V
		5150	40.78	-13.22	54	32.8	32.9	12.86	37.78	100	46	A	V
	*	5240	114.38	-	-	106.4	32.92	12.9	37.84	100	46	P	V
	*	5240	108.04	-	-	100.06	32.92	12.9	37.84	100	46	A	V
		5366.76	47.75	-26.25	74	39.8	32.77	13.11	37.93	100	46	P	V
		5350.8	37.79	-16.21	54	29.93	32.7	13.08	37.92	100	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	50.85	-17.35	68.2	34.48	38.78	19.01	41.42	-	-	P	H
		15540	52.49	-21.51	74	34.82	38.22	24.19	44.74	100	265	P	H
		15540	42.57	-11.43	54	24.9	38.22	24.19	44.74	100	265	A	H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	50.72	-17.48	68.2	34.35	38.78	19.01	41.42	-	-	P	V
		15540	52.75	-21.25	74	35.08	38.22	24.19	44.74	400	53	P	V
		15540	42.46	-11.54	54	24.79	38.22	24.19	44.74	400	53	A	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	50.69	-17.51	68.2	34.34	38.74	19.08	41.47	-	-	P	H
		15660	52.59	-21.41	74	34.98	37.92	24.31	44.62	100	97	P	H
		15660	42.8	-11.2	54	25.19	37.92	24.31	44.62	100	97	A	H
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													H
													H
													H
													H
													H
													H
													H
													H
		10440	51.12	-17.08	68.2	34.77	38.74	19.08	41.47	-	-	P	V
		15660	52.78	-21.22	74	35.17	37.92	24.31	44.62	200	304	P	V
		15660	42.79	-11.21	54	25.18	37.92	24.31	44.62	200	304	A	V
													V
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													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	50.61	-17.59	68.2	34.2	38.78	19.12	41.49	-	-	P	H
		15720	51.93	-22.07	74	34.32	37.8	24.37	44.56	155	321	P	H
		15720	42.83	-11.17	54	25.22	37.8	24.37	44.56	155	321	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	51.37	-16.83	68.2	34.96	38.78	19.12	41.49	-	-	P	V
		15720	51.4	-22.6	74	33.79	37.8	24.37	44.56	100	254	P	V
		15720	42.94	-11.06	54	25.33	37.8	24.37	44.56	100	254	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5144.82	60.11	-13.89	74	52.11	32.91	12.86	37.77	100	117	P	H
		5150	51.6	-2.4	54	43.62	32.9	12.86	37.78	100	117	A	H
	*	5190	111.87	-	-	103.86	32.98	12.84	37.81	100	117	P	H
	*	5190	104.97	-	-	96.96	32.98	12.84	37.81	100	117	A	H
		5440.68	47.43	-26.57	74	39.24	32.98	13.2	37.99	100	117	P	H
		5451.04	37.52	-16.48	54	29.3	33	13.21	37.99	100	117	A	H
		5141.18	59.61	-14.39	74	51.6	32.92	12.86	37.77	100	42	P	V
		5143.52	49.11	-4.89	54	41.11	32.91	12.86	37.77	100	42	A	V
	*	5190	111.27	-	-	103.26	32.98	12.84	37.81	100	42	P	V
	*	5190	104.94	-	-	96.93	32.98	12.84	37.81	100	42	A	V
		5382.44	47.24	-26.76	74	39.23	32.83	13.13	37.95	100	42	P	V
		5356.4	37.46	-16.54	54	29.57	32.73	13.09	37.93	100	42	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.2	61.03	-12.97	74	53.05	32.9	12.86	37.78	106	121	P	H
		5149.76	50.73	-3.27	54	42.75	32.9	12.86	37.78	106	121	A	H
	*	5180	116.13	-	-	108.12	32.96	12.85	37.8	106	121	P	H
	*	5180	109.34	-	-	101.33	32.96	12.85	37.8	106	121	A	H
													H
													H
		5141.96	55.65	-18.35	74	47.64	32.92	12.86	37.77	100	45	P	V
		5150	48.11	-5.89	54	40.13	32.9	12.86	37.78	100	45	A	V
	*	5180	116.99	-	-	108.98	32.96	12.85	37.8	100	45	P	V
	*	5180	107.75	-	-	99.74	32.96	12.85	37.8	100	45	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5148.2	60.36	-13.64	74	52.38	32.9	12.86	37.78	124	115	P	H
		5150	51.18	-2.82	54	43.2	32.9	12.86	37.78	124	115	A	H
	*	5220	117.09	-	-	109.09	32.96	12.87	37.83	124	115	P	H
	*	5220	109.27	-	-	101.27	32.96	12.87	37.83	124	115	A	H
		5352.55	48.53	-25.47	74	40.66	32.71	13.08	37.92	124	115	P	H
		5350.66	38.47	-15.53	54	30.61	32.7	13.08	37.92	124	115	A	H
		5143.52	59.65	-14.35	74	51.65	32.91	12.86	37.77	100	45	P	V
		5149.24	49.42	-4.58	54	41.44	32.9	12.86	37.78	100	45	A	V
	*	5220	116.59	-	-	108.59	32.96	12.87	37.83	100	45	P	V
	*	5220	108.78	-	-	100.78	32.96	12.87	37.83	100	45	A	V
		5376.04	46.18	-27.82	74	38.2	32.8	13.12	37.94	100	45	P	V
		5350.66	38.09	-15.91	54	30.23	32.7	13.08	37.92	100	45	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		5146.9	50.18	-23.82	74	42.19	32.91	12.86	37.78	100	122	P	H
		5150	42.22	-11.78	54	34.24	32.9	12.86	37.78	100	122	A	H
	*	5240	117.42	-	-	109.44	32.92	12.9	37.84	100	122	P	H
	*	5240	109.27	-	-	101.29	32.92	12.9	37.84	100	122	A	H
		5454.88	46.59	-27.41	74	38.39	32.99	13.21	38	100	122	P	H
		5350.93	38.31	-15.69	54	30.45	32.7	13.08	37.92	100	122	A	H
		5150	49.64	-24.36	74	41.66	32.9	12.86	37.78	100	43	P	V
		5148.72	41.19	-12.81	54	33.21	32.9	12.86	37.78	100	43	A	V
	*	5240	114.98	-	-	107	32.92	12.9	37.84	100	43	P	V
	*	5240	107.8	-	-	99.82	32.92	12.9	37.84	100	43	A	V
		5379.55	46.7	-27.3	74	38.69	32.82	13.13	37.94	100	43	P	V
		5350.93	38.23	-15.77	54	30.37	32.7	13.08	37.92	100	43	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 44 5220MHz		10440	50.76	-17.44	68.2	34.41	38.74	19.08	41.47	-	-	P	H
		15660	52.3	-21.7	74	34.69	37.92	24.31	44.62	300	38	P	H
		15660	42.59	-11.41	54	24.98	37.92	24.31	44.62	300	38	A	H
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		10440	51.09	-17.11	68.2	34.74	38.74	19.08	41.47	-	-	P	V
		15660	51.64	-22.36	74	34.03	37.92	24.31	44.62	181	360	P	V
		15660	42.71	-11.29	54	25.1	37.92	24.31	44.62	181	360	A	V
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WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		10480	50.46	-17.74	68.2	34.05	38.78	19.12	41.49	-	-	P	H
		15720	52.1	-21.9	74	34.49	37.8	24.37	44.56	400	313	P	H
		15720	42.84	-11.16	54	25.23	37.8	24.37	44.56	400	313	A	H
													H
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Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5148.98	69.17	-4.83	74	61.19	32.9	12.86	37.78	100	116	P	H
		5148.2	46.29	-7.71	54	38.31	32.9	12.86	37.78	100	116	A	H
	*	5180	114.91	-	-	106.9	32.96	12.85	37.8	100	116	P	H
	*	5180	107.08	-	-	99.07	32.96	12.85	37.8	100	116	A	H
													H
													H
		5148.46	65.86	-8.14	74	57.88	32.9	12.86	37.78	100	44	P	V
		5149.76	45.3	-8.7	54	37.32	32.9	12.86	37.78	100	44	A	V
	*	5180	115.86	-	-	107.85	32.96	12.85	37.8	100	44	P	V
	*	5180	107.47	-	-	99.46	32.96	12.85	37.8	100	44	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5150	62.67	-11.33	74	54.69	32.9	12.86	37.78	101	121	P	H
		5150	52.56	-1.44	54	44.58	32.9	12.86	37.78	101	121	A	H
	*	5190	111.94	-	-	103.93	32.98	12.84	37.81	101	121	P	H
	*	5190	104.78	-	-	96.77	32.98	12.84	37.81	101	121	A	H
		5435.92	46.05	-27.95	74	37.87	32.97	13.19	37.98	101	121	P	H
		5351.64	37.57	-16.43	54	29.7	32.71	13.08	37.92	101	121	A	H
		5140.92	57.68	-16.32	74	49.67	32.92	12.86	37.77	100	44	P	V
		5143.52	50.02	-3.98	54	42.02	32.91	12.86	37.77	100	44	A	V
	*	5190	109.28	-	-	101.27	32.98	12.84	37.81	100	44	P	V
	*	5190	104.07	-	-	96.06	32.98	12.84	37.81	100	44	A	V
		5378.24	46.41	-27.59	74	38.41	32.81	13.13	37.94	100	44	P	V
		5351.64	37.48	-16.52	54	29.61	32.71	13.08	37.92	100	44	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	62.29	-11.71	74	54.31	32.9	12.86	37.78	100	120	P	H
		5149.5	49.15	-4.85	54	41.17	32.9	12.86	37.78	100	120	A	H
	*	5230	113.13	-	-	105.14	32.94	12.89	37.84	100	120	P	H
	*	5230	106.65	-	-	98.66	32.94	12.89	37.84	100	120	A	H
		5352.48	51.76	-22.24	74	43.89	32.71	13.08	37.92	100	120	P	H
		5351.92	42.34	-11.66	54	34.47	32.71	13.08	37.92	100	120	A	H
		5149.76	61.08	-12.92	74	53.1	32.9	12.86	37.78	100	44	P	V
		5144.56	47.57	-6.43	54	39.57	32.91	12.86	37.77	100	44	A	V
	*	5230	112.51	-	-	104.52	32.94	12.89	37.84	100	44	P	V
	*	5230	105.8	-	-	97.81	32.94	12.89	37.84	100	44	A	V
		5355.28	52.03	-21.97	74	44.15	32.72	13.09	37.93	100	44	P	V
		5353.6	42.15	-11.85	54	34.27	32.71	13.09	37.92	100	44	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	50.41	-17.79	68.2	34.08	38.74	19.02	41.43	-	-	P	H
		15570	52.35	-21.65	74	34.68	38.16	24.22	44.71	200	265	P	H
		15570	42.7	-11.3	54	25.03	38.16	24.22	44.71	200	265	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10380	50.87	-17.33	68.2	34.54	38.74	19.02	41.43	-	-	P	V
		15570	52.69	-21.31	74	35.02	38.16	24.22	44.71	133	360	P	V
		15570	42.76	-11.24	54	25.09	38.16	24.22	44.71	133	360	A	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5145.6	72.48	-1.52	74	64.48	32.91	12.86	37.77	100	115	P	H
		5145.6	50.68	-3.32	54	42.68	32.91	12.86	37.77	100	115	A	H
	*	5190	112.63	-	-	104.62	32.98	12.84	37.81	100	115	P	H
	*	5190	103.73	-	-	95.72	32.98	12.84	37.81	100	115	A	H
		5352.48	49.11	-24.89	74	41.24	32.71	13.08	37.92	100	115	P	H
		5350.8	37.54	-16.46	54	29.68	32.7	13.08	37.92	100	115	A	H
		5147.94	70.05	-3.95	74	62.07	32.9	12.86	37.78	100	46	P	V
		5141.44	49.63	-4.37	54	41.62	32.92	12.86	37.77	100	46	A	V
	*	5190	111.82	-	-	103.81	32.98	12.84	37.81	100	46	P	V
	*	5190	103.69	-	-	95.68	32.98	12.84	37.81	100	46	A	V
		5355	50.67	-23.33	74	42.79	32.72	13.09	37.93	100	46	P	V
		5353.6	37.49	-16.51	54	29.61	32.71	13.09	37.92	100	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5144.3	57.38	-16.62	74	49.38	32.91	12.86	37.77	100	120	P	H
		5148.72	50.42	-3.58	54	42.44	32.9	12.86	37.78	100	120	A	H
	*	5210	111.45	-	-	103.43	32.98	12.86	37.82	100	120	P	H
	*	5210	102.65	-	-	94.63	32.98	12.86	37.82	100	120	A	H
		5383.56	49.6	-24.4	74	41.59	32.83	13.13	37.95	100	120	P	H
		5354.7	41.52	-12.48	54	33.64	32.72	13.09	37.93	100	120	A	H
		5147.94	57.27	-16.73	74	49.29	32.9	12.86	37.78	100	46	P	V
		5150	49.32	-4.68	54	41.34	32.9	12.86	37.78	100	46	A	V
	*	5210	110.01	-	-	101.99	32.98	12.86	37.82	100	46	P	V
	*	5210	101.8	-	-	93.78	32.98	12.86	37.82	100	46	A	V
		5358.34	49.44	-24.56	74	41.55	32.73	13.09	37.93	100	46	P	V
		5357.82	40.84	-13.16	54	32.95	32.73	13.09	37.93	100	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5094.9	63.26	-10.74	74	55.13	32.99	12.88	37.74	100	120	P	H
		5150	49.75	-4.25	54	41.77	32.9	12.86	37.78	100	120	A	H
	*	5210	108.79	-	-	100.77	32.98	12.86	37.82	100	120	P	H
	*	5210	100.77	-	-	92.75	32.98	12.86	37.82	100	120	A	H
		5361.46	55.24	-18.76	74	47.32	32.75	13.1	37.93	100	120	P	H
		5352.01	40.39	-13.61	54	32.52	32.71	13.08	37.92	100	120	A	H
		5146.38	62.06	-11.94	74	54.07	32.91	12.86	37.78	100	43	P	V
		5150	48.25	-5.75	54	40.27	32.9	12.86	37.78	100	43	A	V
	*	5210	109.04	-	-	101.02	32.98	12.86	37.82	100	43	P	V
	*	5210	101.11	-	-	93.09	32.98	12.86	37.82	100	43	A	V
		5355.52	46.64	-27.36	74	38.76	32.72	13.09	37.93	100	43	P	V
		5353.36	39.4	-14.6	54	31.52	32.71	13.09	37.92	100	43	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5118.32	55.62	-18.38	74	47.55	32.96	12.87	37.76	294	348	P	H
		5123.42	48.44	-5.56	54	40.38	32.95	12.87	37.76	294	348	A	H
	*	5250	102.36	-	-	94.39	32.9	12.92	37.85	294	348	P	H
	*	5250	94.98	-	-	87.01	32.9	12.92	37.85	294	348	A	H
		5390.4	55.03	-18.97	74	46.98	32.86	13.14	37.95	294	348	P	H
		5396.16	47.87	-6.13	54	39.8	32.88	13.15	37.96	294	348	A	H
		5125.12	57.11	-16.89	74	49.05	32.95	12.87	37.76	100	51	P	V
		5110.16	48.66	-5.34	54	40.56	32.98	12.87	37.75	100	51	A	V
	*	5250	102.03	-	-	94.06	32.9	12.92	37.85	100	51	P	V
	*	5250	93.98	-	-	86.01	32.9	12.92	37.85	100	51	A	V
		5407.2	53.48	-20.52	74	45.36	32.91	13.17	37.96	100	51	P	V
		5394	46.15	-7.85	54	38.07	32.88	13.15	37.95	100	51	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)

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5089.42	59.81	-14.19	74	51.68	32.98	12.88	37.73	387	354	P	H
		5149.94	48.08	-5.92	54	40.1	32.9	12.86	37.78	387	354	A	H
	*	5250	103.67	-	-	95.7	32.9	12.92	37.85	387	354	P	H
	*	5250	95.82	-	-	87.85	32.9	12.92	37.85	387	354	A	H
		5402.8	63.93	-10.07	74	55.82	32.91	13.16	37.96	387	354	P	H
		5396.04	51.74	-2.26	54	43.67	32.88	13.15	37.96	387	354	A	H
		5137.7	53.52	-20.48	74	45.51	32.92	12.86	37.77	273	33	P	V
		5147.22	42.49	-11.51	54	34.5	32.91	12.86	37.78	273	33	A	V
	*	5250	98.89	-	-	90.92	32.9	12.92	37.85	273	33	P	V
	*	5250	89.93	-	-	81.96	32.9	12.92	37.85	273	33	A	V
		5354.96	60.6	-13.4	74	52.72	32.72	13.09	37.93	273	33	P	V
		5398.9	49.53	-4.47	54	41.43	32.9	13.16	37.96	273	33	A	V
802.11ax HE160 Partial 996/68 CH 50 5250MHz		5117.98	60.38	-13.62	74	52.3	32.96	12.87	37.75	269	352	P	H
		5117.64	45.48	-8.52	54	37.4	32.96	12.87	37.75	269	352	A	H
	*	5250	103.68	-	-	95.71	32.9	12.92	37.85	269	352	P	H
	*	5250	94.69	-	-	86.72	32.9	12.92	37.85	269	352	A	H
		5400.24	67	-7	74	58.9	32.9	13.16	37.96	269	352	P	H
		5398.8	51.32	-2.68	54	43.22	32.9	13.16	37.96	269	352	A	H
		5101.66	57.44	-16.56	74	49.31	33	12.87	37.74	100	6	P	V
		5108.12	40.87	-13.13	54	32.77	32.98	12.87	37.75	100	6	A	V
	*	5250	100.92	-	-	92.95	32.9	12.92	37.85	100	6	P	V
	*	5250	92.05	-	-	84.08	32.9	12.92	37.85	100	6	A	V
		5402.88	64.6	-9.4	74	56.49	32.91	13.16	37.96	100	6	P	V
		5396.16	50.03	-3.97	54	41.96	32.88	13.15	37.96	100	6	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5142.12	49.24	-24.76	74	41.23	32.92	12.86	37.77	300	351	P	H
		5148.58	40.01	-13.99	54	32.03	32.9	12.86	37.78	300	351	A	H
	*	5260	116.97	-	-	108.99	32.9	12.94	37.86	300	351	P	H
	*	5260	110.33	-	-	102.35	32.9	12.94	37.86	300	351	A	H
		5362.8	48.08	-25.92	74	40.16	32.75	13.1	37.93	300	351	P	H
		5351.04	39.61	-14.39	54	31.75	32.7	13.08	37.92	300	351	A	H
		5039.44	48.32	-25.68	74	40.18	32.94	12.9	37.7	100	46	P	V
		5149.6	40.03	-13.97	54	32.05	32.9	12.86	37.78	100	46	A	V
	*	5260	115.36	-	-	107.38	32.9	12.94	37.86	100	46	P	V
	*	5260	108.59	-	-	100.61	32.9	12.94	37.86	100	46	A	V
		5367.12	47.39	-26.61	74	39.44	32.77	13.11	37.93	100	46	P	V
		5350.56	38.79	-15.21	54	30.93	32.7	13.08	37.92	100	46	A	V
802.11a CH 60 5300MHz		5065.96	48.42	-25.58	74	40.32	32.93	12.89	37.72	100	115	P	H
		5149.94	39.6	-14.4	54	31.62	32.9	12.86	37.78	100	115	A	H
	*	5300	115.14	-	-	107.13	32.9	13	37.89	100	115	P	H
	*	5300	108.81	-	-	100.8	32.9	13	37.89	100	115	A	H
		5354.16	60.08	-13.92	74	52.19	32.72	13.09	37.92	100	115	P	H
		5352	49.68	-4.32	54	41.81	32.71	13.08	37.92	100	115	A	H
		5049.64	48.18	-25.82	74	40.1	32.9	12.89	37.71	100	45	P	V
		5140.76	39.48	-14.52	54	31.47	32.92	12.86	37.77	100	45	A	V
	*	5300	115.25	-	-	107.24	32.9	13	37.89	100	45	P	V
	*	5300	109.25	-	-	101.24	32.9	13	37.89	100	45	A	V
		5353.2	59.04	-14.96	74	51.16	32.71	13.09	37.92	100	45	P	V
		5350.32	49.15	-4.85	54	41.29	32.7	13.08	37.92	100	45	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	115.4	-	-	107.45	32.82	13.03	37.9	100	127	P	H
	*	5320	107.87	-	-	99.92	32.82	13.03	37.9	100	127	A	H
		5350.08	55.11	-18.89	74	47.25	32.7	13.08	37.92	100	127	P	H
		5350.08	46.43	-7.57	54	38.57	32.7	13.08	37.92	100	127	A	H
													H
													H
	*	5320	113.17	-	-	105.22	32.82	13.03	37.9	101	47	P	V
	*	5320	106.32	-	-	98.37	32.82	13.03	37.9	101	47	A	V
		5351.28	53.3	-20.7	74	45.43	32.71	13.08	37.92	101	47	P	V
		5352.48	45.38	-8.62	54	37.51	32.71	13.08	37.92	101	47	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		7013	58.33	-9.87	68.2	44.2	36.05	16.44	38.36	237	348	P	H
		10520	50.84	-17.36	68.2	34.35	38.86	19.15	41.52	-	-	P	H
		15780	52.32	-21.68	74	34.59	37.8	24.42	44.49	100	121	P	H
		15780	43.12	-10.88	54	25.39	37.8	24.42	44.49	100	121	A	H
													H
													H
													H
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													H
													H
													H
													H
													H
		7013	54.9	-13.3	68.2	40.77	36.05	16.44	38.36	400	328	P	V
		10520	50.83	-17.37	68.2	34.34	38.86	19.15	41.52	-	-	P	V
		15780	52.44	-21.56	74	34.71	37.8	24.42	44.49	200	334	P	V
		15780	43.25	-10.75	54	25.52	37.8	24.42	44.49	200	334	A	V
													V
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													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 60 5300MHz		7066	57.4	-10.8	68.2	43.09	36.26	16.45	38.4	226	352	P	H
		10600	52.4	-21.6	74	35.66	39.1	19.23	41.59	200	28	P	H
		10600	41.76	-12.24	54	25.02	39.1	19.23	41.59	200	28	A	H
		15900	53.83	-20.17	74	35.76	37.9	24.54	44.37	300	92	P	H
		15900	42.8	-11.2	54	24.73	37.9	24.54	44.37	300	92	A	H
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													H
		7066	55.18	-13.02	68.2	40.87	36.26	16.45	38.4	236	46	P	V
		10600	52.86	-21.14	74	36.12	39.1	19.23	41.59	300	351	P	V
		10600	41.84	-12.16	54	25.1	39.1	19.23	41.59	300	351	A	V
		15900	54.19	-19.81	74	36.12	37.9	24.54	44.37	100	13	P	V
		15900	43.02	-10.98	54	24.95	37.9	24.54	44.37	100	13	A	V
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[illegible]



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 62 5310MHz		5108.12	49.75	-24.25	74	41.65	32.98	12.87	37.75	100	113	P	H
		5144.5	39.72	-14.28	54	31.72	32.91	12.86	37.77	100	113	A	H
	*	5310	108.49	-	-	100.5	32.86	13.02	37.89	100	113	P	H
	*	5310	102.3	-	-	94.31	32.86	13.02	37.89	100	113	A	H
		5350.56	59.74	-14.26	74	51.88	32.7	13.08	37.92	100	113	P	H
		5350.08	52.79	-1.21	54	44.93	32.7	13.08	37.92	100	113	A	H
		5097.58	47.51	-26.49	74	39.37	33	12.88	37.74	100	8	P	V
		5113.56	38.51	-15.49	54	30.42	32.97	12.87	37.75	100	8	A	V
	*	5310	107.95	-	-	99.96	32.86	13.02	37.89	100	8	P	V
	*	5310	101.11	-	-	93.12	32.86	13.02	37.89	100	8	A	V
		5350.32	61.64	-12.36	74	53.78	32.7	13.08	37.92	100	8	P	V
		5350.32	52.9	-1.1	54	45.04	32.7	13.08	37.92	100	8	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 62 5310MHz		7077	58.19	-10.01	68.2	43.84	36.31	16.45	38.41	250	351	P	H
		10620	51.24	-22.76	74	34.5	39.1	19.25	41.61	200	302	P	H
		10620	41.81	-12.19	54	25.07	39.1	19.25	41.61	200	302	A	H
		15930	52.89	-21.11	74	34.73	37.93	24.57	44.34	200	329	P	H
		15930	43	-11	54	24.84	37.93	24.57	44.34	200	329	A	H
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		7077	55.85	-12.35	68.2	41.5	36.31	16.45	38.41	250	46	P	V
		10620	51.58	-22.42	74	34.84	39.1	19.25	41.61	300	331	P	V
		10620	41.96	-12.04	54	25.22	39.1	19.25	41.61	300	331	A	V
		15930	51.61	-22.39	74	33.45	37.93	24.57	44.34	300	8	P	V
		15930	43.05	-10.95	54	24.89	37.93	24.57	44.34	300	8	A	V
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Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5149.26	49.2	-24.8	74	41.22	32.9	12.86	37.78	299	353	P	H
		5148.92	39.6	-14.4	54	31.62	32.9	12.86	37.78	299	353	A	H
	*	5260	116.63	-	-	108.65	32.9	12.94	37.86	299	353	P	H
	*	5260	109.72	-	-	101.74	32.9	12.94	37.86	299	353	A	H
		5365.44	49.51	-24.49	74	41.58	32.76	13.1	37.93	299	353	P	H
		5351.04	39.64	-14.36	54	31.78	32.7	13.08	37.92	299	353	A	H
		5075.14	47.75	-26.25	74	39.64	32.95	12.88	37.72	100	70	P	V
		5149.26	38.89	-15.11	54	30.91	32.9	12.86	37.78	100	70	A	V
	*	5260	114.18	-	-	106.2	32.9	12.94	37.86	100	70	P	V
	*	5260	106.87	-	-	98.89	32.9	12.94	37.86	100	70	A	V
		5350.56	47.49	-26.51	74	39.63	32.7	13.08	37.92	100	70	P	V
		5352.96	37.93	-16.07	54	30.06	32.71	13.08	37.92	100	70	A	V
802.11ax HE20 Full CH 60 5300MHz		5143.14	49.33	-24.67	74	41.33	32.91	12.86	37.77	117	111	P	H
		5143.82	39.1	-14.9	54	31.1	32.91	12.86	37.77	117	111	A	H
	*	5300	114.4	-	-	106.39	32.9	13	37.89	117	111	P	H
	*	5300	107.53	-	-	99.52	32.9	13	37.89	117	111	A	H
		5354.88	66.62	-7.38	74	58.74	32.72	13.09	37.93	117	111	P	H
		5350.8	47.44	-6.56	54	39.58	32.7	13.08	37.92	117	111	A	H
		5038.76	47.94	-26.06	74	39.8	32.94	12.9	37.7	100	9	P	V
		5100.98	38.38	-15.62	54	30.25	33	12.87	37.74	100	9	A	V
	*	5300	114.2	-	-	106.19	32.9	13	37.89	100	9	P	V
	*	5300	106.79	-	-	98.78	32.9	13	37.89	100	9	A	V
		5352.24	61.5	-12.5	74	53.63	32.71	13.08	37.92	100	9	P	V
		5351.04	47.59	-6.41	54	39.73	32.7	13.08	37.92	100	9	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 64 5320MHz	*	5320	112.32	-	-	104.37	32.82	13.03	37.9	137	130	P	H
	*	5320	105.89	-	-	97.94	32.82	13.03	37.9	137	130	A	H
		5350.4	51.55	-22.45	74	43.69	32.7	13.08	37.92	137	130	P	H
		5351.52	43.97	-10.03	54	36.1	32.71	13.08	37.92	137	130	A	H
													H
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	*	5320	111.33	-	-	103.38	32.82	13.03	37.9	100	6	P	V
	*	5320	104.36	-	-	96.41	32.82	13.03	37.9	100	6	A	V
		5351.04	51.78	-22.22	74	43.92	32.7	13.08	37.92	100	6	P	V
		5351.04	43.67	-10.33	54	35.81	32.7	13.08	37.92	100	6	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		7011	58.45	-9.75	68.2	44.33	36.04	16.44	38.36	240	351	P	H
		10520	50.94	-17.26	68.2	34.45	38.86	19.15	41.52	-	-	P	H
		15780	51.18	-22.82	74	33.45	37.8	24.42	44.49	300	331	P	H
		15780	42.61	-11.39	54	24.88	37.8	24.42	44.49	300	331	A	H
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													H
													H
		7011	55.74	-12.46	68.2	41.62	36.04	16.44	38.36	232	43	P	V
		10520	50.35	-17.85	68.2	33.86	38.86	19.15	41.52	-	-	P	V
		15780	52.8	-21.2	74	35.07	37.8	24.42	44.49	100	5	P	V
		15780	42.58	-11.42	54	24.85	37.8	24.42	44.49	100	5	A	V
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WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 60 5300MHz		7066	57.76	-10.44	68.2	43.45	36.26	16.45	38.4	228	351	P	H
		10600	51.85	-22.15	74	35.11	39.1	19.23	41.59	336	14	P	H
		10600	41	-13	54	24.26	39.1	19.23	41.59	336	14	A	H
		15900	52.12	-21.88	74	34.05	37.9	24.54	44.37	390	360	P	H
		15900	41.93	-12.07	54	23.86	37.9	24.54	44.37	390	360	A	H
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													H
													H
													H
		7066	55.6	-12.6	68.2	41.29	36.26	16.45	38.4	227	42	P	V
		10600	50.78	-23.22	74	34.04	39.1	19.23	41.59	201	0	P	V
		10600	41.08	-12.92	54	24.34	39.1	19.23	41.59	201	0	A	V
		15900	51.8	-22.2	74	33.73	37.9	24.54	44.37	300	168	P	V
		15900	41.91	-12.09	54	23.84	37.9	24.54	44.37	300	168	A	V
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Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	111.61	-	-	103.66	32.82	13.03	37.9	200	135	P	H
	*	5320	104.9	-	-	96.95	32.82	13.03	37.9	200	135	A	H
		5350.4	64.49	-9.51	74	56.63	32.7	13.08	37.92	200	135	P	H
		5350.08	42.58	-11.42	54	34.72	32.7	13.08	37.92	200	135	A	H
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	*	5320	114.29	-	-	106.34	32.82	13.03	37.9	100	43	P	V
	*	5320	105.66	-	-	97.71	32.82	13.03	37.9	100	43	A	V
		5350.08	65.19	-8.81	74	57.33	32.7	13.08	37.92	100	43	P	V
		5350.72	43.3	-10.7	54	35.44	32.7	13.08	37.92	100	43	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5145.18	53.25	-20.75	74	45.25	32.91	12.86	37.77	100	118	P	H
		5149.6	43.91	-10.09	54	35.93	32.9	12.86	37.78	100	118	A	H
	*	5270	112.36	-	-	104.37	32.9	12.95	37.86	100	118	P	H
	*	5270	105.4	-	-	97.41	32.9	12.95	37.86	100	118	A	H
		5351.28	54.85	-19.15	74	46.98	32.71	13.08	37.92	100	118	P	H
		5351.52	45.12	-8.88	54	37.25	32.71	13.08	37.92	100	118	A	H
		5144.5	52.1	-21.9	74	44.1	32.91	12.86	37.77	100	44	P	V
		5149.6	43.18	-10.82	54	35.2	32.9	12.86	37.78	100	44	A	V
	*	5270	112.02	-	-	104.03	32.9	12.95	37.86	100	44	P	V
	*	5270	104.74	-	-	96.75	32.9	12.95	37.86	100	44	A	V
		5356.08	54.78	-19.22	74	46.9	32.72	13.09	37.93	100	44	P	V
		5354.64	44.53	-9.47	54	36.65	32.72	13.09	37.93	100	44	A	V
802.11ax HE40 Full CH 62 5310MHz		5132.26	48.58	-25.42	74	40.55	32.94	12.86	37.77	100	127	P	H
		5145.52	39.55	-14.45	54	31.55	32.91	12.86	37.77	100	127	A	H
	*	5310	111.71	-	-	103.72	32.86	13.02	37.89	100	127	P	H
	*	5310	103.99	-	-	96	32.86	13.02	37.89	100	127	A	H
		5350.32	60.84	-13.16	74	52.98	32.7	13.08	37.92	100	127	P	H
		5350.08	52.89	-1.11	54	45.03	32.7	13.08	37.92	100	127	A	H
		5106.08	48.93	-25.07	74	40.82	32.99	12.87	37.75	100	7	P	V
		5124.1	38.44	-15.56	54	30.38	32.95	12.87	37.76	100	7	A	V
	*	5310	109.07	-	-	101.08	32.86	13.02	37.89	100	7	P	V
	*	5310	100.38	-	-	92.39	32.86	13.02	37.89	100	7	A	V
		5351.52	59.95	-14.05	74	52.08	32.71	13.08	37.92	100	7	P	V
		5351.04	51.69	-2.31	54	43.83	32.7	13.08	37.92	100	7	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		7022	59.01	-9.19	68.2	44.85	36.09	16.44	38.37	229	351	P	H
		10540	50.73	-17.47	68.2	34.18	38.92	19.17	41.54	239	350	P	H
		10540	43.76	-10.24	54	27.21	38.92	19.17	41.54	239	350	A	H
		15810	52.33	-21.67	74	34.53	37.81	24.45	44.46	300	156	P	H
		15810	45.35	-8.65	54	27.55	37.81	24.45	44.46	300	156	A	H
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		7022	56.36	-11.84	68.2	42.2	36.09	16.44	38.37	238	44	P	V
		10540	50.63	-17.57	68.2	34.08	38.92	19.17	41.54	200	0	P	V
		10540	43.87	-10.13	54	27.32	38.92	19.17	41.54	200	0	A	V
		15810	52.08	-21.92	74	34.28	37.81	24.45	44.46	200	284	P	V
		15810	45.51	-8.49	54	27.71	37.81	24.45	44.46	200	284	A	V
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Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5146.54	49.29	-24.71	74	41.3	32.91	12.86	37.78	191	131	P	H
		5142.46	38.97	-15.03	54	30.96	32.92	12.86	37.77	191	131	A	H
	*	5310	111.97	-	-	103.98	32.86	13.02	37.89	191	131	P	H
	*	5310	103.28	-	-	95.29	32.86	13.02	37.89	191	131	A	H
		5357.52	70.51	-3.49	74	62.62	32.73	13.09	37.93	191	131	P	H
		5352.24	51.9	-2.1	54	44.03	32.71	13.08	37.92	191	131	A	H
		5135.32	48.91	-25.09	74	40.89	32.93	12.86	37.77	100	6	P	V
		5088.06	38.53	-15.47	54	30.4	32.98	12.88	37.73	100	6	A	V
	*	5310	111.09	-	-	103.1	32.86	13.02	37.89	100	6	P	V
	*	5310	100.87	-	-	92.88	32.86	13.02	37.89	100	6	A	V
		5351.52	69.66	-4.34	74	61.79	32.71	13.08	37.92	100	6	P	V
		5354.64	51.45	-2.55	54	43.57	32.72	13.09	37.93	100	6	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5065.62	49.88	-24.12	74	41.78	32.93	12.89	37.72	100	127	P	H
		5147.9	41.71	-12.29	54	33.73	32.9	12.86	37.78	100	127	A	H
	*	5290	109.45	-	-	101.45	32.9	12.98	37.88	100	127	P	H
	*	5290	100.62	-	-	92.62	32.9	12.98	37.88	100	127	A	H
		5351.04	53.63	-20.37	74	45.77	32.7	13.08	37.92	100	127	P	H
		5351.28	46.71	-7.29	54	38.84	32.71	13.08	37.92	100	127	A	H
		5146.2	49.28	-24.72	74	41.29	32.91	12.86	37.78	100	40	P	V
		5149.94	41.46	-12.54	54	33.48	32.9	12.86	37.78	100	40	A	V
	*	5290	106.3	-	-	98.3	32.9	12.98	37.88	100	40	P	V
	*	5290	99	-	-	91	32.9	12.98	37.88	100	40	A	V
		5353.92	53.69	-20.31	74	45.8	32.72	13.09	37.92	100	40	P	V
		5354.88	45.62	-8.38	54	37.74	32.72	13.09	37.93	100	40	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

[illegible]

**Band 2 5250~5350MHz****WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5113.22	50.39	-23.61	74	42.3	32.97	12.87	37.75	204	130	P	H
		5149.94	41.68	-12.32	54	33.7	32.9	12.86	37.78	204	130	A	H
	*	5290	108.88	-	-	100.88	32.9	12.98	37.88	204	130	P	H
	*	5290	100.12	-	-	92.12	32.9	12.98	37.88	204	130	A	H
		5362.8	64.11	-9.89	74	56.19	32.75	13.1	37.93	204	130	P	H
		5364	50	-4	54	42.07	32.76	13.1	37.93	204	130	A	H
		5119.34	49.03	-24.97	74	40.96	32.96	12.87	37.76	100	9	P	V
		5148.58	39.94	-14.06	54	31.96	32.9	12.86	37.78	100	9	A	V
	*	5290	105.87	-	-	97.87	32.9	12.98	37.88	100	9	P	V
	*	5290	97.3	-	-	89.3	32.9	12.98	37.88	100	9	A	V
		5398.32	60.96	-13.04	74	52.87	32.89	13.16	37.96	100	9	P	V
		5376	52.36	-1.64	54	44.38	32.8	13.12	37.94	100	9	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5456.24	54.96	-19.04	74	46.76	32.99	13.21	38	100	122	P	H
		5470	59.85	-8.35	68.2	51.67	32.96	13.23	38.01	100	122	P	H
		5459.92	45.3	-8.7	54	37.1	32.98	13.22	38	100	122	A	H
	*	5500	115.3	-	-	107.17	32.9	13.26	38.03	100	122	P	H
	*	5500	108.42	-	-	100.29	32.9	13.26	38.03	100	122	A	H
													H
		5456.4	54.2	-19.8	74	46	32.99	13.21	38	100	8	P	V
		5468.56	60.16	-8.04	68.2	51.98	32.96	13.23	38.01	100	8	P	V
		5460	44.89	-9.11	54	36.69	32.98	13.22	38	100	8	A	V
	*	5500	113.37	-	-	105.24	32.9	13.26	38.03	100	8	P	V
	*	5500	107.13	-	-	99	32.9	13.26	38.03	100	8	A	V
													V
802.11a CH 116 5580MHz		5414.8	47.05	-26.95	74	38.92	32.93	13.17	37.97	107	119	P	H
		5469.76	47.44	-20.76	68.2	39.26	32.96	13.23	38.01	107	119	P	H
		5459.44	38.71	-15.29	54	30.51	32.98	13.22	38	107	119	A	H
	*	5580	115.74	-	-	107.34	33.08	13.33	38.01	107	119	P	H
	*	5578	109.9	-	-	101.51	33.07	13.33	38.01	107	119	A	H
		5759.96	47.72	-20.48	68.2	38.28	33.84	13.57	37.97	107	119	P	H
		5456.08	47.3	-26.7	74	39.1	32.99	13.21	38	100	5	P	V
		5469.76	46.18	-22.02	68.2	38	32.96	13.23	38.01	100	5	P	V
		5459.44	38.12	-15.88	54	29.92	32.98	13.22	38	100	5	A	V
	*	5580	113.02	-	-	104.62	33.08	13.33	38.01	100	5	P	V
	*	5580	106.95	-	-	98.55	33.08	13.33	38.01	100	5	A	V
		5760.275	48.56	-19.64	68.2	39.12	33.84	13.57	37.97	100	5	P	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	*	5700	113.7	-	-	104.79	33.4	13.49	37.98	100	120	P	H
	*	5700	107.47	-	-	98.56	33.4	13.49	37.98	100	120	A	H
		5727.16	59.56	-8.64	68.2	50.39	33.62	13.53	37.98	100	120	P	H
													H
													H
													H
	*	5700	111.7	-	-	102.79	33.4	13.49	37.98	100	7	P	V
	*	5700	105.08	-	-	96.17	33.4	13.49	37.98	100	7	A	V
		5726.6	58.74	-9.46	68.2	49.58	33.61	13.53	37.98	100	7	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	50.38	-23.62	74	33.84	38.9	19.6	41.96	387	360	P	H
		11000	41.45	-12.55	54	24.91	38.9	19.6	41.96	387	360	A	H
		16500	53	-15.2	68.2	33.98	38.6	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	50.65	-23.35	74	34.11	38.9	19.6	41.96	177	358	P	V
		11000	41.42	-12.58	54	24.88	38.9	19.6	41.96	177	358	A	V
		16500	52.13	-16.07	68.2	33.11	38.6	24.63	44.21	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	52.44	-21.56	74	35.81	39.06	19.75	42.18	200	357	P	H
		11160	41.44	-12.56	54	24.81	39.06	19.75	42.18	200	357	A	H
		16740	52.23	-15.97	68.2	33.53	38.44	24.63	44.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	52.11	-21.89	74	35.48	39.06	19.75	42.18	100	124	P	V
		11160	41.41	-12.59	54	24.78	39.06	19.75	42.18	100	124	A	V
		16740	52.64	-15.56	68.2	33.94	38.44	24.63	44.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 140 5700MHz	*	5700	111.91	-	-	103	33.4	13.49	37.98	100	100	P	H
	*	5700	105.64	-	-	96.73	33.4	13.49	37.98	100	100	A	H
		5730.04	58.46	-9.74	68.2	49.26	33.64	13.53	37.97	100	100	P	H
													H
													H
													H
	*	5700	110.45	-	-	101.54	33.4	13.49	37.98	100	6	P	V
	*	5700	103.69	-	-	94.78	33.4	13.49	37.98	100	6	A	V
		5725.64	58.38	-9.82	68.2	49.22	33.61	13.53	37.98	100	6	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 140 5700MHz		11400	51.4	-22.6	74	34.54	39.4	19.97	42.51	350	319	P	H
		11400	41.95	-12.05	54	25.09	39.4	19.97	42.51	350	319	A	H
		17100	51.71	-16.49	68.2	33.68	38	24.67	44.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	51.03	-22.97	74	34.17	39.4	19.97	42.51	350	43	P	V
		11400	41.9	-12.1	54	25.04	39.4	19.97	42.51	350	43	A	V
		17100	51.65	-16.55	68.2	33.62	38	24.67	44.64	-	-	P	V
													V
													V
													V
													V
													V
													V



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	59.25	-14.75	74	51.05	32.98	13.22	38	100	108	P	H
		5468.72	65.71	-2.49	68.2	57.53	32.96	13.23	38.01	100	108	P	H
		5460	47.77	-6.23	54	39.57	32.98	13.22	38	100	108	A	H
	*	5500	115.69	-	-	107.56	32.9	13.26	38.03	100	108	P	H
	*	5500	108.08	-	-	99.95	32.9	13.26	38.03	100	108	A	H
		5458.8	58.58	-15.42	74	50.38	32.98	13.22	38	100	5	P	V
		5467.92	64.49	-3.71	68.2	56.32	32.96	13.22	38.01	100	5	P	V
		5459.92	45.25	-8.75	54	37.05	32.98	13.22	38	100	5	A	V
	*	5500	113.9	-	-	105.77	32.9	13.26	38.03	100	5	P	V
	*	5500	106.15	-	-	98.02	32.9	13.26	38.03	100	5	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5436.64	47.2	-26.8	74	39.02	32.97	13.19	37.98	100	123	P	H
		5468.8	47.3	-20.9	68.2	39.12	32.96	13.23	38.01	100	123	P	H
		5459.44	38.53	-15.47	54	30.33	32.98	13.22	38	100	123	A	H
	*	5580	115.86	-	-	107.46	33.08	13.33	38.01	100	123	P	H
	*	5580	108.61	-	-	100.21	33.08	13.33	38.01	100	123	A	H
		5729.09	47.78	-20.42	68.2	38.6	33.63	13.53	37.98	100	123	P	H
		5458	46.06	-27.94	74	37.86	32.98	13.22	38	350	63	P	V
		5467.6	45.49	-22.71	68.2	37.32	32.96	13.22	38.01	350	63	P	V
		5459.68	37.46	-16.54	54	29.26	32.98	13.22	38	350	63	A	V
	*	5580	113.04	-	-	104.64	33.08	13.33	38.01	350	63	P	V
	*	5580	106.21	-	-	97.81	33.08	13.33	38.01	350	63	A	V
		5759.96	49.2	-19	68.2	39.76	33.84	13.57	37.97	350	63	P	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 140 5700MHz	*	5700	113.71	-	-	104.8	33.4	13.49	37.98	100	103	P	H
	*	5700	106.66	-	-	97.75	33.4	13.49	37.98	100	103	A	H
		5726.12	66.73	-1.47	68.2	57.57	33.61	13.53	37.98	100	103	P	H
													H
													H
													H
	*	5700	111.34	-	-	102.43	33.4	13.49	37.98	100	7	P	V
	*	5700	104.71	-	-	95.8	33.4	13.49	37.98	100	7	A	V
		5729.4	65.69	-2.51	68.2	56.49	33.64	13.53	37.97	100	7	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	51.06	-22.94	74	34.52	38.9	19.6	41.96	200	336	P	H
		11000	41.27	-12.73	54	24.73	38.9	19.6	41.96	200	336	A	H
		16500	52.49	-15.71	68.2	33.47	38.6	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	51.48	-22.52	74	34.94	38.9	19.6	41.96	300	330	P	V
		11000	41.28	-12.72	54	24.74	38.9	19.6	41.96	300	330	A	V
		16500	53.84	-14.36	68.2	34.82	38.6	24.63	44.21	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 116 5580MHz		11160	51.1	-22.9	74	34.47	39.06	19.75	42.18	100	330	P	H
		11160	41.42	-12.58	54	24.79	39.06	19.75	42.18	100	330	A	H
		16740	52.63	-15.57	68.2	33.93	38.44	24.63	44.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	51.25	-22.75	74	34.62	39.06	19.75	42.18	400	281	P	V
		11160	41.41	-12.59	54	24.78	39.06	19.75	42.18	400	281	A	V
		16740	53.26	-14.94	68.2	34.56	38.44	24.63	44.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5458.96	59.3	-14.7	74	51.1	32.98	13.22	38	250	336	P	H
		5467.6	63.61	-4.59	68.2	55.44	32.96	13.22	38.01	250	336	P	H
		5460	41.04	-12.96	54	32.84	32.98	13.22	38	250	336	A	H
	*	5500	113.28	-	-	105.15	32.9	13.26	38.03	250	336	P	H
	*	5500	105.71	-	-	97.58	32.9	13.26	38.03	250	336	A	H
													H
		5454.32	59.39	-14.61	74	51.19	32.99	13.21	38	100	8	P	V
		5468.88	63.47	-4.73	68.2	55.29	32.96	13.23	38.01	100	8	P	V
		5460	39.25	-14.75	54	31.05	32.98	13.22	38	100	8	A	V
	*	5500	111.65	-	-	103.52	32.9	13.26	38.03	100	8	P	V
	*	5500	103.82	-	-	95.69	32.9	13.26	38.03	100	8	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	110.45	-	-	101.54	33.4	13.49	37.98	100	120	P	H
	*	5700	103.21	-	-	94.3	33.4	13.49	37.98	100	120	A	H
		5727.48	61.8	-6.4	68.2	52.63	33.62	13.53	37.98	100	120	P	H
													H
													H
													H
	*	5700	110.2	-	-	101.29	33.4	13.49	37.98	100	6	P	V
	*	5700	101.45	-	-	92.54	33.4	13.49	37.98	100	6	A	V
		5726.92	61.56	-6.64	68.2	52.39	33.62	13.53	37.98	100	6	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5459.92	58.1	-15.9	74	49.9	32.98	13.22	38	300	350	P	H
		5469.76	61.97	-6.23	68.2	53.79	32.96	13.23	38.01	300	350	P	H
		5459.92	49.25	-4.75	54	41.05	32.98	13.22	38	300	350	A	H
	*	5510	110.68	-	-	102.55	32.9	13.26	38.03	300	350	P	H
	*	5510	103.67	-	-	95.54	32.9	13.26	38.03	300	350	A	H
		5752.715	48.78	-19.42	68.2	39.38	33.81	13.56	37.97	300	350	P	H
		5448.88	56.22	-17.78	74	48	33	13.21	37.99	100	7	P	V
		5469.76	60.94	-7.26	68.2	52.76	32.96	13.23	38.01	100	7	P	V
		5459.92	46.73	-7.27	54	38.53	32.98	13.22	38	100	7	A	V
	*	5510	111.25	-	-	103.12	32.9	13.26	38.03	100	7	P	V
	*	5510	102.89	-	-	94.76	32.9	13.26	38.03	100	7	A	V
		5745.155	50.21	-17.99	68.2	40.87	33.76	13.55	37.97	100	7	P	V
802.11ax HE40 Full CH 110 5550MHz		5447.2	59.39	-14.61	74	51.19	32.99	13.2	37.99	100	109	P	H
		5466.88	60.65	-7.55	68.2	52.47	32.97	13.22	38.01	100	109	P	H
		5459.68	46.58	-7.42	54	38.38	32.98	13.22	38	100	109	A	H
	*	5550	114.29	-	-	106.11	32.9	13.3	38.02	100	109	P	H
	*	5550	106.11	-	-	97.93	32.9	13.3	38.02	100	109	A	H
		5725	49.23	-18.97	68.2	40.08	33.6	13.53	37.98	100	109	P	H
		5455.6	56.25	-17.75	74	48.05	32.99	13.21	38	100	8	P	V
		5470	59.05	-9.15	68.2	50.87	32.96	13.23	38.01	100	8	P	V
		5459.68	44.87	-9.13	54	36.67	32.98	13.22	38	100	8	A	V
	*	5550	110.05	-	-	101.87	32.9	13.3	38.02	100	8	P	V
	*	5550	103.52	-	-	95.34	32.9	13.3	38.02	100	8	A	V
		5734.445	50.55	-17.65	68.2	41.3	33.68	13.54	37.97	100	8	P	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5446.25	47.68	-26.32	74	39.48	32.99	13.2	37.99	202	119	P	H
		5469.7	47.52	-20.68	68.2	39.34	32.96	13.23	38.01	202	119	P	H
		5455.7	37.91	-16.09	54	29.71	32.99	13.21	38	202	119	A	H
	*	5670	114.48	-	-	105.74	33.28	13.45	37.99	202	119	P	H
	*	5670	104.7	-	-	95.96	33.28	13.45	37.99	202	119	A	H
		5727.375	66.15	-2.05	68.2	56.98	33.62	13.53	37.98	202	119	P	H
		5444.85	46.99	-27.01	74	38.79	32.99	13.2	37.99	107	6	P	V
		5463.4	47.02	-21.18	68.2	38.83	32.97	13.22	38	107	6	P	V
		5458.5	37.86	-16.14	54	29.66	32.98	13.22	38	107	6	A	V
	*	5670	112.31	-	-	103.57	33.28	13.45	37.99	107	6	P	V
	*	5670	103.56	-	-	94.82	33.28	13.45	37.99	107	6	A	V
		5729.475	64.48	-3.72	68.2	55.28	33.64	13.53	37.97	107	6	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)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 110 5550MHz		11100	50.57	-23.43	74	33.97	39	19.7	42.1	200	115	P	H
		11100	41.61	-12.39	54	25.01	39	19.7	42.1	200	115	A	H
		16650	51.83	-16.37	68.2	33.01	38.5	24.63	44.31	-	-	P	H
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		11100	50.45	-23.55	74	33.85	39	19.7	42.1	400	45	P	V
		11100	41.59	-12.41	54	24.99	39	19.7	42.1	400	45	A	V
		16650	52.07	-16.13	68.2	33.25	38.5	24.63	44.31	-	-	P	V
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[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5455.84	61.36	-12.64	74	53.16	32.99	13.21	38	100	115	P	H
		5469.76	64.17	-4.03	68.2	55.99	32.96	13.23	38.01	100	115	P	H
		5456.32	42.43	-11.57	54	34.23	32.99	13.21	38	100	115	A	H
	*	5510	109.36	-	-	101.23	32.9	13.26	38.03	100	115	P	H
	*	5510	102.26	-	-	94.13	32.9	13.26	38.03	100	115	A	H
		5749.25	48.44	-19.76	68.2	39.06	33.79	13.56	37.97	100	115	P	H
		5458.96	58.85	-15.15	74	50.65	32.98	13.22	38	100	5	P	V
		5461.36	62.41	-5.79	68.2	54.21	32.98	13.22	38	100	5	P	V
		5456.08	41.58	-12.42	54	33.38	32.99	13.21	38	100	5	A	V
	*	5510	108.46	-	-	100.33	32.9	13.26	38.03	100	5	P	V
	*	5510	100.58	-	-	92.45	32.9	13.26	38.03	100	5	A	V
		5758.385	48.22	-19.98	68.2	38.79	33.83	13.57	37.97	100	5	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5434.7	47.78	-26.22	74	39.6	32.97	13.19	37.98	100	102	P	H
		5469	46.2	-22	68.2	38.02	32.96	13.23	38.01	100	102	P	H
		5456.4	37.33	-16.67	54	29.13	32.99	13.21	38	100	102	A	H
	*	5670	111.13	-	-	102.39	33.28	13.45	37.99	100	102	P	H
	*	5670	101.54	-	-	92.8	33.28	13.45	37.99	100	102	A	H
		5726.325	66.5	-1.7	68.2	57.34	33.61	13.53	37.98	100	102	P	H
		5402.85	47.84	-26.16	74	39.73	32.91	13.16	37.96	100	4	P	V
		5469.35	46.61	-21.59	68.2	38.43	32.96	13.23	38.01	100	4	P	V
		5450.45	37.22	-16.78	54	29	33	13.21	37.99	100	4	A	V
	*	5670	110.15	-	-	101.41	33.28	13.45	37.99	100	4	P	V
	*	5670	100.98	-	-	92.24	33.28	13.45	37.99	100	4	A	V
		5726.15	63.93	-4.27	68.2	54.77	33.61	13.53	37.98	100	4	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5452.96	61.11	-12.89	74	52.91	32.99	13.21	38	100	105	P	H
		5461.6	61.34	-6.86	68.2	53.14	32.98	13.22	38	100	105	P	H
		5459.92	51.02	-2.98	54	42.82	32.98	13.22	38	100	105	A	H
	*	5530	109.25	-	-	101.09	32.9	13.28	38.02	100	105	P	H
	*	5530	101.21	-	-	93.05	32.9	13.28	38.02	100	105	A	H
		5735.705	49.54	-18.66	68.2	40.28	33.69	13.54	37.97	100	105	P	H
		5456.56	58.55	-15.45	74	50.35	32.99	13.21	38	100	6	P	V
		5460.64	59.47	-8.73	68.2	51.27	32.98	13.22	38	100	6	P	V
		5459.68	48.79	-5.21	54	40.59	32.98	13.22	38	100	6	A	V
	*	5530	107.73	-	-	99.57	32.9	13.28	38.02	100	6	P	V
	*	5530	99.18	-	-	91.02	32.9	13.28	38.02	100	6	A	V
		5728.775	48.44	-19.76	68.2	39.26	33.63	13.53	37.98	100	6	P	V
802.11ax HE80 Full CH 122 5610MHz		5456.05	57.21	-16.79	74	49.01	32.99	13.21	38	100	126	P	H
		5468.65	58.96	-9.24	68.2	50.78	32.96	13.23	38.01	100	126	P	H
		5458.85	46.54	-7.46	54	38.34	32.98	13.22	38	100	126	A	H
	*	5610	112.55	-	-	103.99	33.2	13.36	38	100	126	P	H
	*	5610	103.48	-	-	94.92	33.2	13.36	38	100	126	A	H
		5725.8	62.63	-5.57	68.2	53.47	33.61	13.53	37.98	100	126	P	H
		5456.05	57.93	-16.07	74	49.73	32.99	13.21	38	100	5	P	V
		5463.05	59.09	-9.11	68.2	50.9	32.97	13.22	38	100	5	P	V
		5458.85	46.52	-7.48	54	38.32	32.98	13.22	38	100	5	A	V
	*	5610	108.46	-	-	99.9	33.2	13.36	38	100	5	P	V
	*	5610	100.81	-	-	92.25	33.2	13.36	38	100	5	A	V
		5741.725	60.04	-8.16	68.2	50.73	33.73	13.55	37.97	100	5	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)

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5455.36	64.05	-9.95	74	55.85	32.99	13.21	38	100	112	P	H
		5464.96	63.46	-4.74	68.2	55.27	32.97	13.22	38	100	112	P	H
		5455.12	47.6	-6.4	54	39.4	32.99	13.21	38	100	112	A	H
	*	5530	108.59	-	-	100.43	32.9	13.28	38.02	100	112	P	H
	*	5530	100.02	-	-	91.86	32.9	13.28	38.02	100	112	A	H
		5747.045	50.44	-17.76	68.2	41.07	33.78	13.56	37.97	100	112	P	H
		5442.64	62.12	-11.88	74	53.92	32.99	13.2	37.99	100	10	P	V
		5465.44	61.14	-7.06	68.2	52.96	32.97	13.22	38.01	100	10	P	V
		5455.36	46.27	-7.73	54	38.07	32.99	13.21	38	100	10	A	V
	*	5530	105.65	-	-	97.49	32.9	13.28	38.02	100	10	P	V
	*	5530	97.2	-	-	89.04	32.9	13.28	38.02	100	10	A	V
		5749.88	49.63	-18.57	68.2	40.24	33.8	13.56	37.97	100	10	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5429.1	50.53	-23.47	74	42.36	32.96	13.19	37.98	100	97	P	H
		5469	52.76	-15.44	68.2	44.58	32.96	13.23	38.01	100	97	P	H
		5459.2	39.12	-14.88	54	30.92	32.98	13.22	38	100	97	A	H
	*	5610	105.29	-	-	96.73	33.2	13.36	38	100	97	P	H
	*	5610	96.94	-	-	88.38	33.2	13.36	38	100	97	A	H
		5728.95	62.47	-5.73	68.2	53.29	33.63	13.53	37.98	100	97	P	H
		5424.2	51.85	-22.15	74	43.7	32.95	13.18	37.98	100	7	P	V
		5460.25	54.14	-14.06	68.2	45.94	32.98	13.22	38	100	7	P	V
		5458.85	39.6	-14.4	54	31.4	32.98	13.22	38	100	7	A	V
	*	5610	105.25	-	-	96.69	33.2	13.36	38	100	7	P	V
	*	5610	97.11	-	-	88.55	33.2	13.36	38	100	7	A	V
		5727.9	60.91	-7.29	68.2	51.74	33.62	13.53	37.98	100	7	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5453.6	58.51	-15.49	74	50.31	32.99	13.21	38	100	54	P	H
		5464.1	57.53	-10.67	68.2	49.34	32.97	13.22	38	100	54	P	H
		5453.25	50.45	-3.55	54	42.25	32.99	13.21	38	100	54	A	H
	*	5570	104.84	-	-	96.51	33.02	13.32	38.01	100	54	P	H
	*	5570	95.82	-	-	87.49	33.02	13.32	38.01	100	54	A	H
		5725.31	62.29	-5.91	68.2	53.14	33.6	13.53	37.98	100	54	P	H
		5443.45	55.17	-18.83	74	46.97	32.99	13.2	37.99	400	75	P	V
		5461.3	55.37	-12.83	68.2	47.17	32.98	13.22	38	400	75	P	V
		5459.55	47.54	-6.46	54	39.34	32.98	13.22	38	400	75	A	V
	*	5570	99.61	-	-	91.28	33.02	13.32	38.01	400	75	P	V
	*	5570	92.18	-	-	83.85	33.02	13.32	38.01	400	75	A	V
		5741.06	58.98	-9.22	68.2	49.67	33.73	13.55	37.97	400	75	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)

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5438.9	65.25	-8.75	74	57.06	32.98	13.2	37.99	100	111	P	H
		5462	63.06	-5.14	68.2	54.86	32.98	13.22	38	100	111	P	H
		5443.8	48.95	-5.05	54	40.75	32.99	13.2	37.99	100	111	A	H
	*	5570	103.41	-	-	95.08	33.02	13.32	38.01	100	111	P	H
	*	5570	95.84	-	-	87.51	33.02	13.32	38.01	100	111	A	H
		5726.885	66.7	-1.5	68.2	57.53	33.62	13.53	37.98	100	111	P	H
		5439.95	63.19	-10.81	74	55	32.98	13.2	37.99	100	9	P	V
		5466.2	60.95	-7.25	68.2	52.77	32.97	13.22	38.01	100	9	P	V
		5444.15	47.13	-6.87	54	38.93	32.99	13.2	37.99	100	9	A	V
	*	5570	103.08	-	-	94.75	33.02	13.32	38.01	100	9	P	V
	*	5570	93.61	-	-	85.28	33.02	13.32	38.01	100	9	A	V
		5726.57	64.93	-3.27	68.2	55.77	33.61	13.53	37.98	100	9	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5394.46	47.11	-26.89	74	39.03	32.88	13.15	37.95	100	56	P	H
		5463.88	46.56	-21.64	68.2	38.37	32.97	13.22	38	100	56	P	H
		5457.64	37.66	-16.34	54	29.47	32.98	13.21	38	100	56	A	H
	*	5720	116.81	-	-	107.71	33.56	13.52	37.98	100	56	P	H
	*	5720	109.72	-	-	100.62	33.56	13.52	37.98	100	56	A	H
		5885	50.47	-17.73	68.2	40.37	34.3	13.74	37.94	100	56	P	H
		5381.59	47.25	-26.75	74	39.23	32.83	13.13	37.94	388	79	P	V
		5469.34	45.38	-22.82	68.2	37.2	32.96	13.23	38.01	388	79	P	V
		5449.06	37.31	-16.69	54	29.09	33	13.21	37.99	388	79	A	V
	*	5720	115.67	-	-	106.57	33.56	13.52	37.98	388	79	P	V
	*	5720	108.86	-	-	99.76	33.56	13.52	37.98	388	79	A	V
		5871.5	49.96	-18.24	68.2	39.88	34.3	13.72	37.94	388	79	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	52.33	-21.67	74	35.61	39.28	20.01	42.57	400	66	P	H
		11440	41.66	-12.34	54	24.94	39.28	20.01	42.57	400	66	A	H
		17160	51.84	-16.36	68.2	33.9	37.94	24.7	44.7	-	-	P	H
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													H
													H
													H
													H
		11440	51.87	-22.13	74	35.15	39.28	20.01	42.57	200	273	P	V
		11440	41.71	-12.29	54	24.99	39.28	20.01	42.57	200	273	A	V
		17160	51.84	-16.36	68.2	33.9	37.94	24.7	44.7	-	-	P	V
													V
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													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5450.62	46.43	-27.57	74	38.21	33	13.21	37.99	102	123	P	H
		5469.73	46.2	-22	68.2	38.02	32.96	13.23	38.01	102	123	P	H
		5457.25	37.14	-16.86	54	28.94	32.99	13.21	38	102	123	A	H
	*	5720	114.91	-	-	105.81	33.56	13.52	37.98	102	123	P	H
	*	5720	109.08	-	-	99.98	33.56	13.52	37.98	102	123	A	H
		5930.75	48.16	-20.04	68.2	37.99	34.3	13.8	37.93	102	123	P	H
		5383.54	47.14	-26.86	74	39.13	32.83	13.13	37.95	365	76	P	V
		5470	46.17	-22.03	68.2	37.99	32.96	13.23	38.01	365	76	P	V
		5459.2	36.99	-17.01	54	28.79	32.98	13.22	38	365	76	A	V
	*	5720	114.4	-	-	105.3	33.56	13.52	37.98	365	76	P	V
	*	5720	107.91	-	-	98.81	33.56	13.52	37.98	365	76	A	V
		5918.75	49.18	-19.02	68.2	39.03	34.3	13.78	37.93	365	76	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5378.08	46.39	-27.61	74	38.4	32.81	13.12	37.94	400	54	P	H
		5459.98	45.52	-28.48	74	37.32	32.98	13.22	38	400	54	P	H
		5456.47	37.43	-16.57	54	29.23	32.99	13.21	38	400	54	A	H
	*	5710	108.41	-	-	99.41	33.48	13.5	37.98	400	54	P	H
	*	5710	103.6	-	-	94.6	33.48	13.5	37.98	400	54	A	H
		5869.25	49.92	-18.28	68.2	39.84	34.3	13.72	37.94	400	54	P	H
		5368.72	45.96	-28.04	74	38.02	32.77	13.11	37.94	388	78	P	V
		5467.78	45.25	-22.95	68.2	37.08	32.96	13.22	38.01	388	78	P	V
		5454.13	37.76	-16.24	54	29.56	32.99	13.21	38	388	78	A	V
	*	5710	113.16	-	-	104.16	33.48	13.5	37.98	388	78	P	V
	*	5710	107.23	-	-	98.23	33.48	13.5	37.98	388	78	A	V
		5859.25	53.46	-14.74	68.2	43.39	34.3	13.71	37.94	388	78	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

[illegible]



Band 3 Straddle Channel

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5440.87	49.7	-24.3	74	41.51	32.98	13.2	37.99	234	54	P	H
		5465.83	49.93	-18.27	68.2	41.75	32.97	13.22	38.01	234	54	P	H
		5457.25	40.3	-13.7	54	32.1	32.99	13.21	38	234	54	A	H
	*	5690	111.81	-	-	102.95	33.36	13.48	37.98	234	54	P	H
	*	5690	104.35	-	-	95.49	33.36	13.48	37.98	234	54	A	H
		5864.8	62.52	-5.68	68.2	52.45	34.3	13.71	37.94	234	54	P	H
		5438.92	48.36	-25.64	74	40.17	32.98	13.2	37.99	400	79	P	V
		5469.73	50.94	-17.26	68.2	42.76	32.96	13.23	38.01	400	79	P	V
		5453.35	39.39	-14.61	54	31.19	32.99	13.21	38	400	79	A	V
	*	5690	110.18	-	-	101.32	33.36	13.48	37.98	400	79	P	V
	*	5690	103.08	-	-	94.22	33.36	13.48	37.98	400	79	A	V
		5855.8	59	-9.2	68.2	48.94	34.3	13.7	37.94	400	79	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

[illegible]

Band 3 5470~5725MHz

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

[illegible]

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.17	25.55	-14.45	40	34.91	24.92	1.31	35.59	-	-	P	H
		107.35	20.29	-23.21	43.5	36.77	17.03	1.99	35.5	-	-	P	H
		145.6	22.39	-21.11	43.5	37.77	17.76	2.3	35.44	-	-	P	H
		413.6	26.68	-19.32	46	35.36	22.34	3.76	34.78	-	-	P	H
		766.4	32.55	-13.45	46	32.87	28.19	5.09	33.6	-	-	P	H
		959.2	35.16	-10.84	46	31.36	31	5.74	32.94	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		32.55	29.26	-10.74	40	39.77	23.79	1.28	35.58	-	-	P	V
		41.56	24.45	-15.55	40	39.92	18.82	1.3	35.59	-	-	P	V
		156.14	23.13	-20.37	43.5	39.22	16.95	2.37	35.41	-	-	P	V
		615.2	29.82	-16.18	46	33.47	25.94	4.59	34.18	-	-	P	V
		852	33.5	-12.5	46	32.34	29.11	5.44	33.39	-	-	P	V
		952	36.4	-9.6	46	32.81	30.85	5.71	32.97	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



<Sample 2>

Band 2 - 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		5146.54	48.98	-25.02	74	40.99	32.91	12.86	37.78			P	H
		5139.4	38.98	-15.02	54	30.97	32.92	12.86	37.77			A	H
	*	5310	109.58	-	-	101.59	32.86	13.02	37.89	272	0	P	H
	*	5310	102.68	-	-	94.69	32.86	13.02	37.89	272	0	A	H
		5350.08	58.75	-15.25	74	50.89	32.7	13.08	37.92	272	0	P	H
		5350.08	52.87	-1.13	54	45.01	32.7	13.08	37.92	272	0	A	H
		5124.44	49.18	-24.82	74	41.12	32.95	12.87	37.76	152	327	P	V
		5142.12	39.18	-14.82	54	31.17	32.92	12.86	37.77	152	327	A	V
	*	5310	110.56	-	-	102.57	32.86	13.02	37.89	152	327	P	V
	*	5310	103.4	-	-	95.41	32.86	13.02	37.89	152	327	A	V
		5350.08	58.53	-15.47	74	50.67	32.7	13.08	37.92	152	327	P	V
		5350.32	50.79	-3.21	54	42.93	32.7	13.08	37.92	152	327	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax HE40 Full CH 62 5310MHz		7077	54.63	-13.57	68.2	40.28	36.31	16.45	38.41	100	48	P	H
		10620	51.69	-22.31	74	34.95	39.1	19.25	41.61	100	215	P	H
		10620	41.66	-12.34	54	24.92	39.1	19.25	41.61	100	215	A	H
		15930	53.97	-20.03	74	35.81	37.93	24.57	44.34	200	216	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		7077	56.9	-11.3	68.2	42.55	36.31	16.45	38.41	100	338	P	V
		10620	52.16	-21.84	74	35.42	39.1	19.25	41.61	300	18	P	V
		10620	41.69	-12.31	54	24.95	39.1	19.25	41.61	300	18	A	V
		15930	53.12	-20.88	74	34.96	37.93	24.57	44.34	400	148	P	V
		15930	42.88	-11.12	54	24.72	37.93	24.57	44.34	400	148	A	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

[illegible]

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.68	24.9	-15.1	40	34.54	24.64	1.31	35.59	-	-	P	H
		153.76	24.87	-18.63	43.5	40.77	17.17	2.35	35.42	-	-	P	H
		576	33.85	-12.15	46	37.85	25.84	4.46	34.3	-	-	P	H
		720.8	34.71	-11.29	46	36.26	27.34	4.94	33.83	-	-	P	H
		899.2	37.2	-8.8	46	35.86	28.99	5.52	33.17	-	-	P	H
		952	35.33	-10.67	46	31.74	30.85	5.71	32.97	-	-	P	H
													H
													H
													H
													H
													H
													H
		35.61	30.62	-9.38	40	42.81	22.14	1.25	35.58	-	-	P	V
		49.38	28.42	-11.58	40	47.63	14.95	1.4	35.56	-	-	P	V
		147.81	24.08	-19.42	43.5	39.56	17.63	2.32	35.43	-	-	P	V
		596	33.18	-12.82	46	36.98	25.88	4.54	34.22	-	-	P	V
		623.2	33.1	-12.9	46	36.45	26.2	4.62	34.17	-	-	P	V
		952	36	-10	46	32.41	30.85	5.71	32.97	-	-	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 3>

Band 2 - 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		5138.38	47.76	-26.24	74	39.75	32.92	12.86	37.77	232	316	P	H
		5147.9	39.28	-14.72	54	31.3	32.9	12.86	37.78	232	316	A	H
	*	5310	110.7	-	-	102.71	32.86	13.02	37.89	232	316	P	H
	*	5310	104.72	-	-	96.73	32.86	13.02	37.89	232	316	A	H
		5350.08	58.27	-15.73	74	50.41	32.7	13.08	37.92	232	316	P	H
		5350.8	51.04	-2.96	54	43.18	32.7	13.08	37.92	232	316	A	H
		5035.36	47.75	-26.25	74	39.59	32.96	12.9	37.7	100	50	P	V
		5141.44	39.23	-14.77	54	31.22	32.92	12.86	37.77	100	50	A	V
	*	5310	107.43	-	-	99.44	32.86	13.02	37.89	100	50	P	V
	*	5310	100.71	-	-	92.72	32.86	13.02	37.89	100	50	A	V
		5354.16	52.96	-21.04	74	45.07	32.72	13.09	37.92	100	50	P	V
		5354.64	48.13	-5.87	54	40.25	32.72	13.09	37.93	100	50	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)

[illegible]

Band 2 5250~5350MHz

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

[illegible]



Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.51	24.34	-15.66	40	33.89	24.73	1.31	35.59	-	-	P	H
		145.43	23.33	-20.17	43.5	38.7	17.77	2.3	35.44	-	-	P	H
		411.2	26.96	-19.04	46	35.76	22.23	3.75	34.78	-	-	P	H
		741.6	32.47	-13.53	46	32.96	28.22	5.01	33.72	-	-	P	H
		856	34.02	-11.98	46	32.76	29.19	5.44	33.37	-	-	P	H
		944.8	36.94	-9.06	46	33.69	30.56	5.69	33	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.53	29.5	-10.5	40	39.54	24.26	1.29	35.59	-	-	P	V
		39.86	24.59	-15.41	40	39.08	19.82	1.28	35.59	-	-	P	V
		142.71	24.14	-19.36	43.5	39.44	17.85	2.29	35.44	-	-	P	V
		609.6	29.05	-16.95	46	32.82	25.85	4.57	34.19	-	-	P	V
		802.4	32	-14	46	32.29	27.96	5.21	33.46	-	-	P	V
		892.8	36.96	-9.04	46	35.79	28.86	5.51	33.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



<Sample 4>

Band 2 - 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		5047.26	48.05	-25.95	74	39.95	32.91	12.89	37.7	229	308	P	H
		5147.22	39.15	-14.85	54	31.16	32.91	12.86	37.78	229	308	A	H
	*	5310	110.16	-	-	102.17	32.86	13.02	37.89	229	308	P	H
	*	5310	103.06	-	-	95.07	32.86	13.02	37.89	229	308	A	H
		5350.32	57.14	-16.86	74	49.28	32.7	13.08	37.92	229	308	P	H
		5350.32	51.16	-2.84	54	43.3	32.7	13.08	37.92	229	308	A	H
		5043.86	47.29	-26.71	74	39.18	32.92	12.89	37.7	100	13	P	V
		5149.94	39.15	-14.85	54	31.17	32.9	12.86	37.78	100	13	A	V
	*	5310	109.56	-	-	101.57	32.86	13.02	37.89	100	13	P	V
	*	5310	102.68	-	-	94.69	32.86	13.02	37.89	100	13	A	V
		5352.48	57.99	-16.01	74	50.12	32.71	13.08	37.92	100	13	P	V
		5350.08	51.74	-2.26	54	43.88	32.7	13.08	37.92	100	13	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. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		7077	57.06	-11.14	68.2	42.71	36.31	16.45	38.41	324	24	P	H
		10620	51.26	-22.74	74	34.52	39.1	19.25	41.61	298	155	P	H
		10620	41.9	-12.1	54	25.16	39.1	19.25	41.61	298	155	A	H
		15930	53.83	-20.17	74	35.67	37.93	24.57	44.34	100	259	P	H
		15930	44.93	-9.07	54	26.77	37.93	24.57	44.34	100	259	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		7077	54.76	-13.44	68.2	40.41	36.31	16.45	38.41	224	45	P	V
		10620	51.35	-22.65	74	34.61	39.1	19.25	41.61	100	211	P	V
		10620	41.96	-12.04	54	25.22	39.1	19.25	41.61	100	211	A	V
		15930	52.38	-21.62	74	34.22	37.93	24.57	44.34	400	355	P	V
		15930	44.85	-9.15	54	26.69	37.93	24.57	44.34	400	355	A	V
													V
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													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 SHF		38712	50.13	-23.87	74	40.82	44.4	26.49	61.58	-	-	P	H
		38712	40.23	-13.77	54	30.92	44.4	26.49	61.58	-	-	A	H
													H
													H
													H
													H
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													H
		39496	50.26	-23.74	74	41.34	45.34	26.57	62.99	-	-	P	V
		39496	40.37	-13.63	54	31.45	45.34	26.57	62.99	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.51	24.63	-15.37	40	34.18	24.73	1.31	35.59	-	-	P	H
		104.46	20.19	-23.31	43.5	37.01	16.72	1.96	35.5	-	-	P	H
		154.78	22.91	-20.59	43.5	38.85	17.11	2.36	35.41	-	-	P	H
		552	28.29	-17.71	46	32.63	25.69	4.37	34.4	-	-	P	H
		721.6	34.82	-11.18	46	36.32	27.39	4.94	33.83	-	-	P	H
		951.2	36.55	-9.45	46	33	30.82	5.7	32.97	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.87	29.95	-10.05	40	40.12	24.13	1.29	35.59	-	-	P	V
		41.9	25.56	-14.44	40	41.21	18.63	1.31	35.59	-	-	P	V
		145.6	23.74	-19.76	43.5	39.12	17.76	2.3	35.44	-	-	P	V
		747.2	32.74	-13.26	46	33.17	28.23	5.03	33.69	-	-	P	V
		894.4	36.03	-9.97	46	34.86	28.86	5.51	33.2	-	-	P	V
		957.6	36.34	-9.66	46	32.57	30.99	5.72	32.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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 Plots

Test Engineer :	John Chuang, David Dai, and Howard Huang	Temperature :	19.3~23.4°C
		Relative Humidity :	65.9~70.3%

Note symbol

-L	Low channel location
-R	High channel location



<Sample 1>

Band 1 - 5150~5250MHz

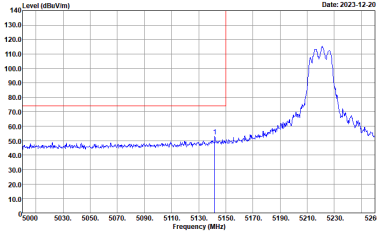
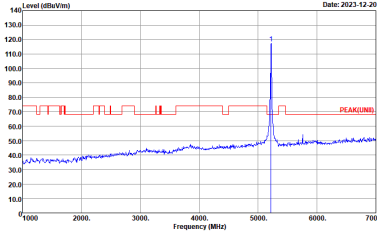
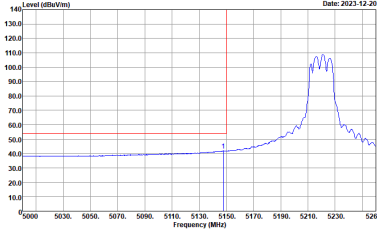
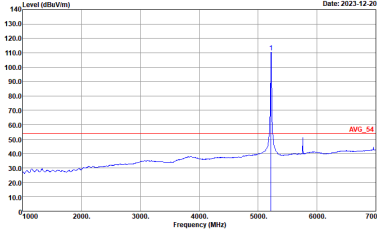
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

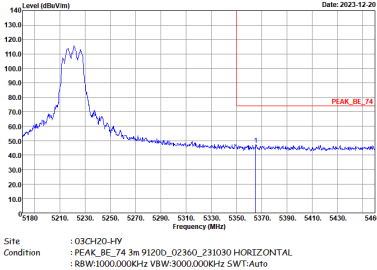
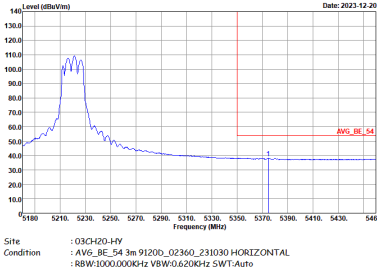


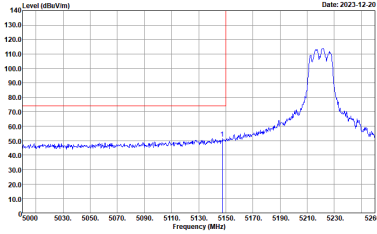
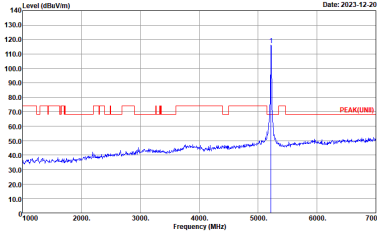
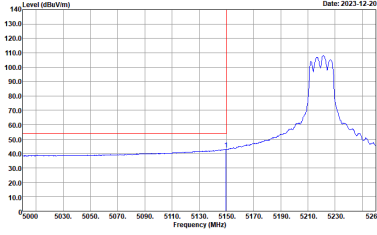
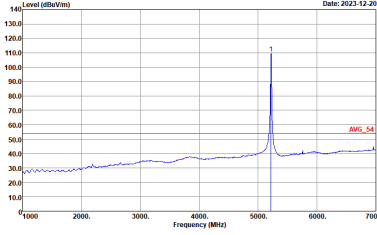
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



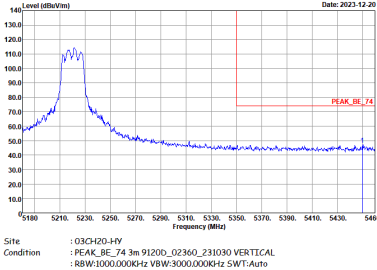
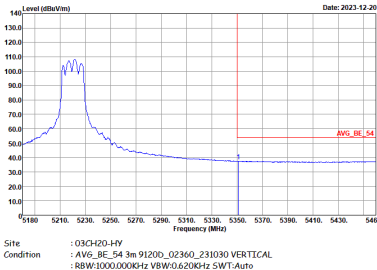
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



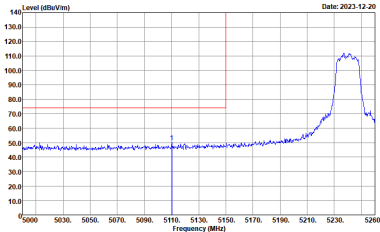
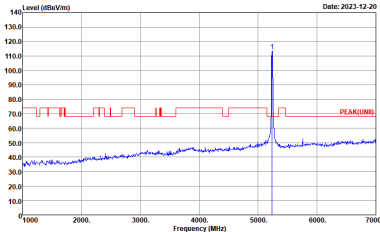
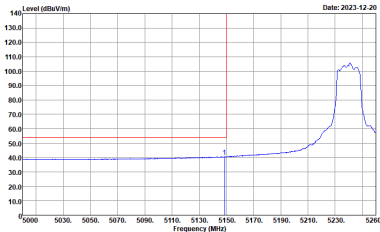
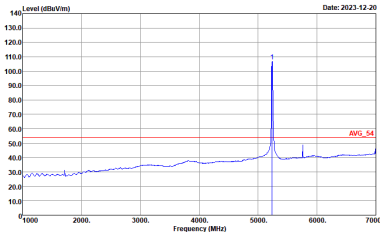
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

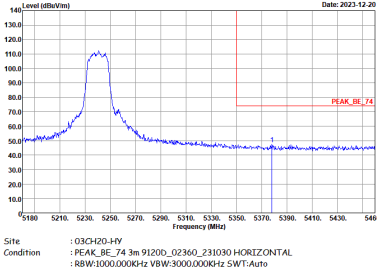
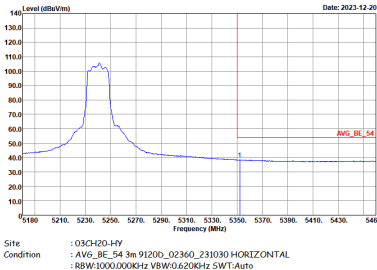


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

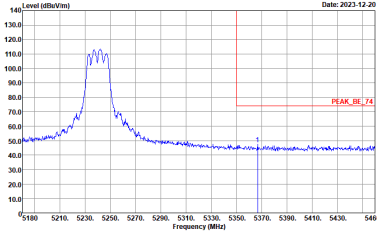
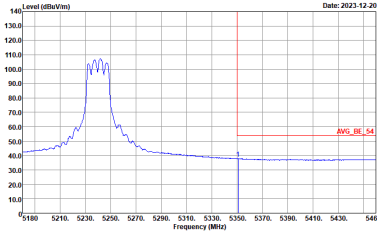


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

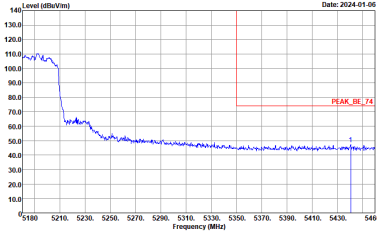
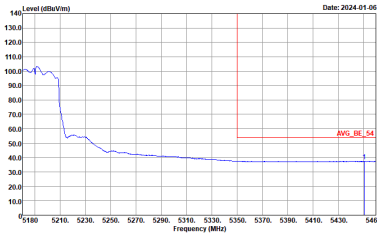


Band 1 5150~5250MHz

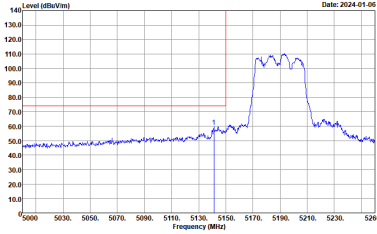
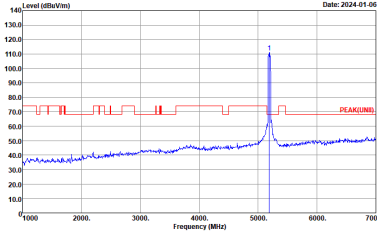
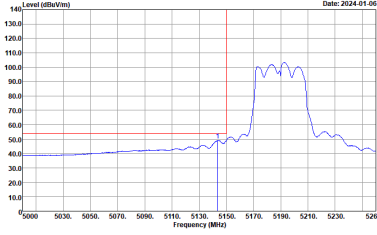
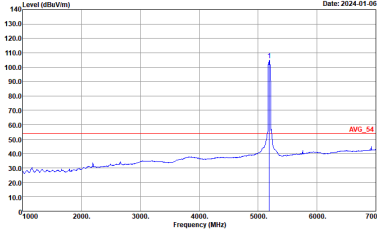
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.430KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.430KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:430KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.430KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.430KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:4300kHz SWT:Auto	Left blank

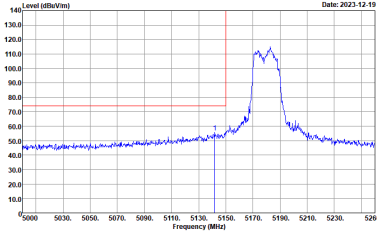
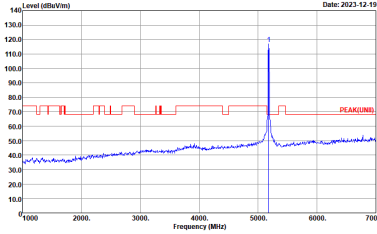
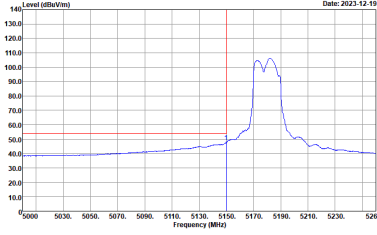
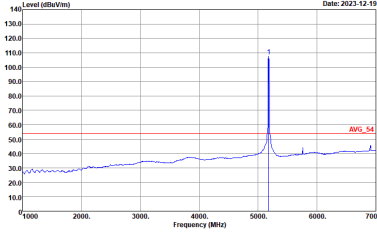


Band 1 5150~5250MHz

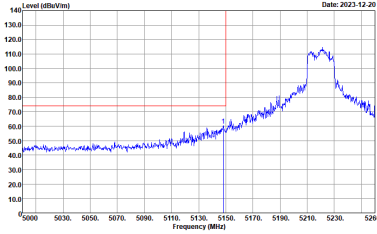
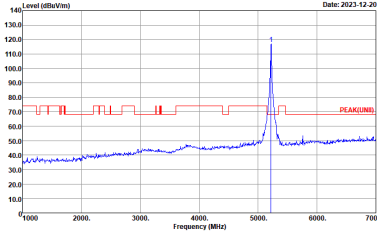
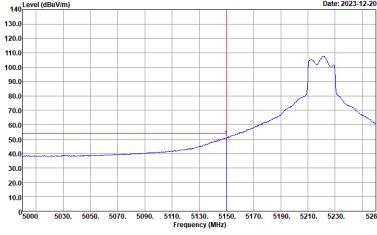
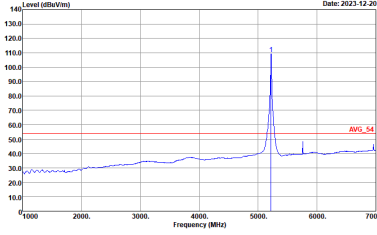
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

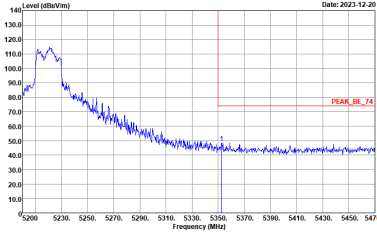
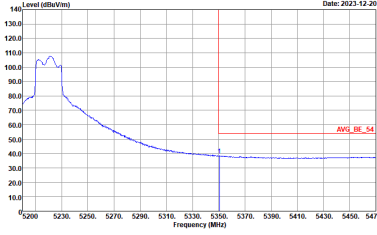


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

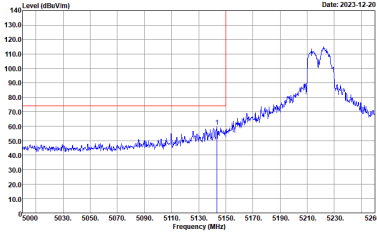
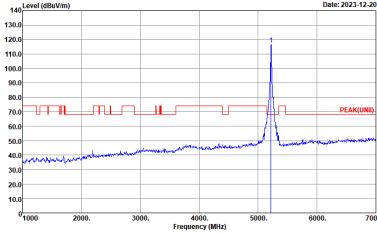
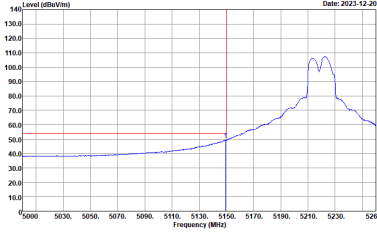
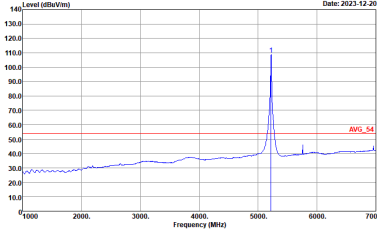


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

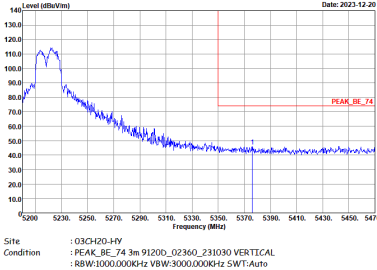
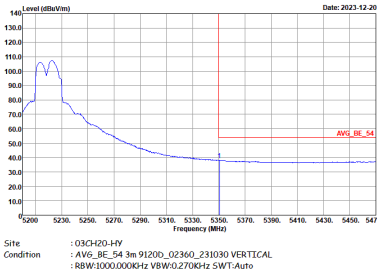


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

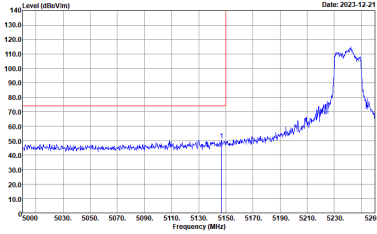
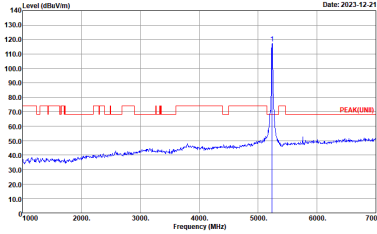
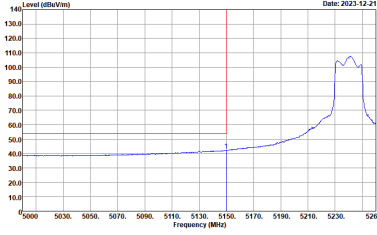
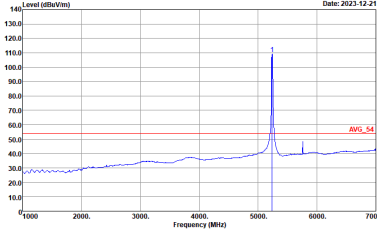


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

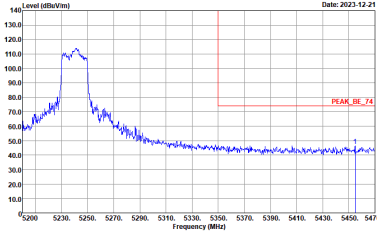
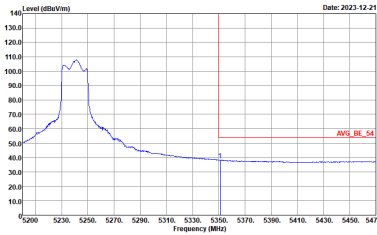


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

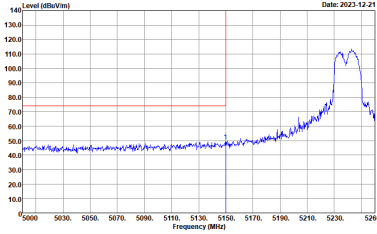
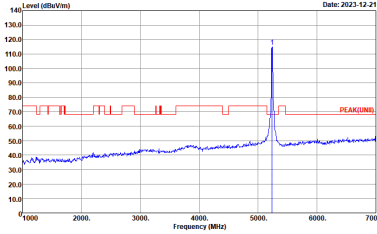
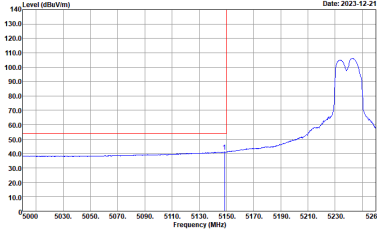
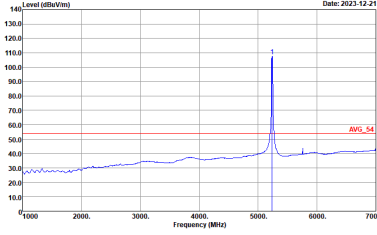


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

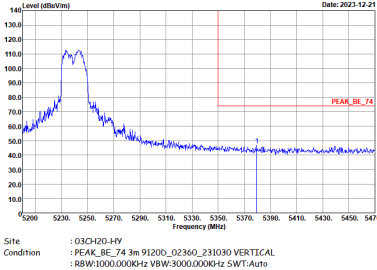
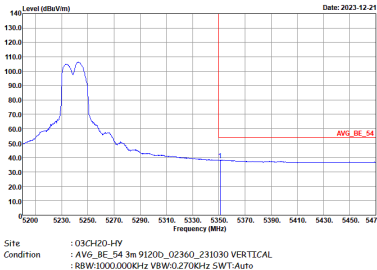


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

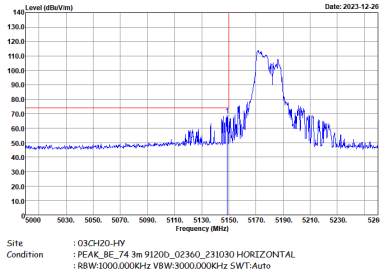
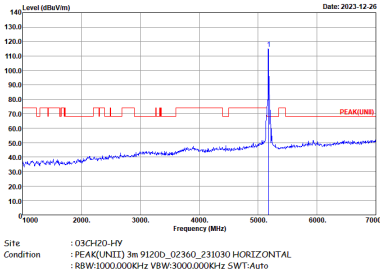
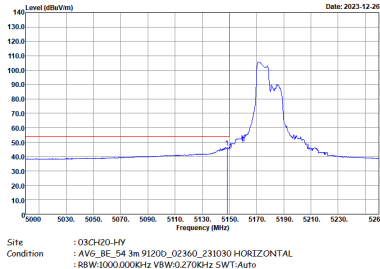
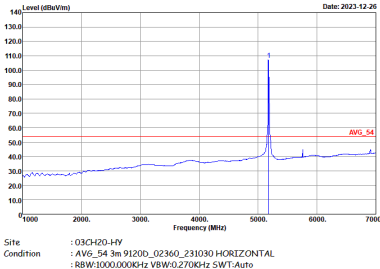


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

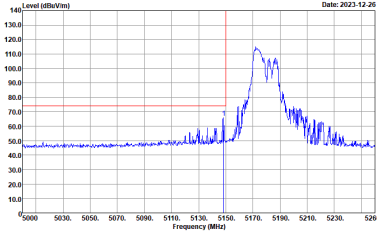
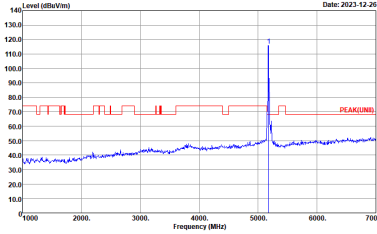
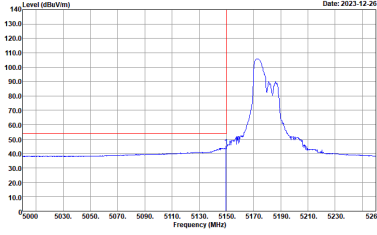
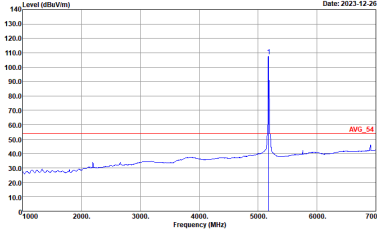


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	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	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

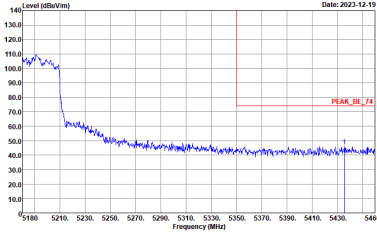
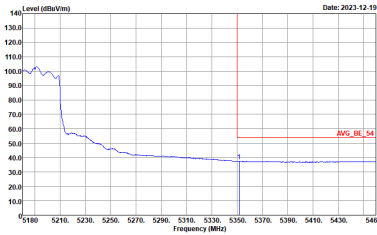


Band 1 5150~5250MHz

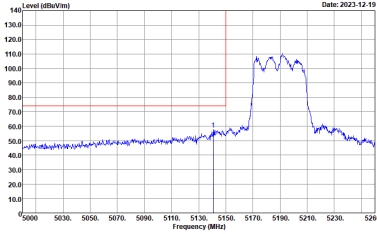
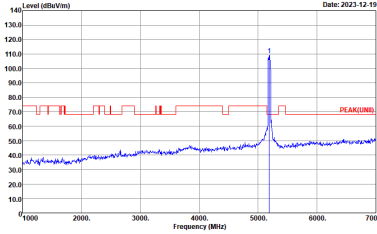
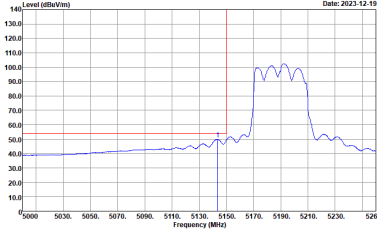
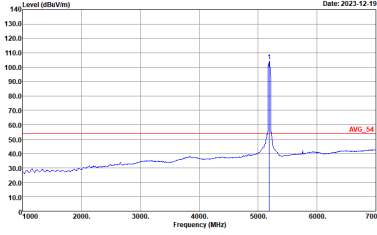
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto

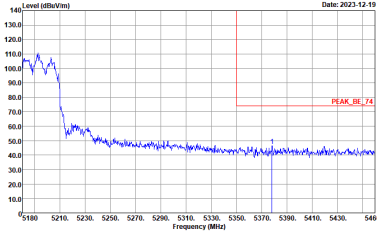
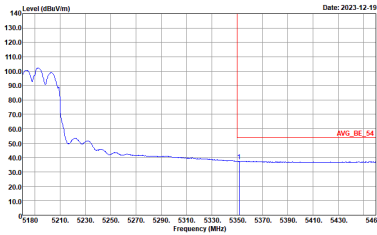


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:4700kHz SWT:Auto	Left blank

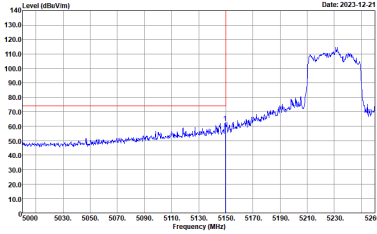
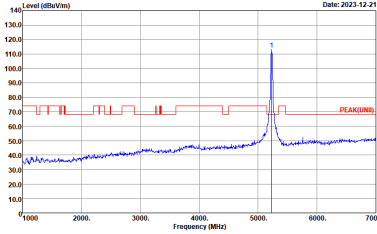
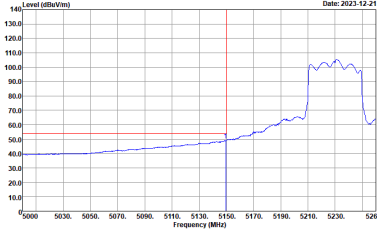
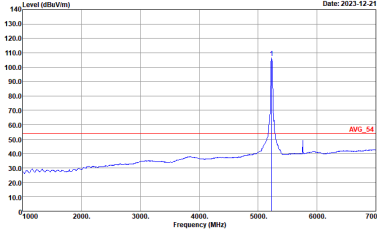


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto

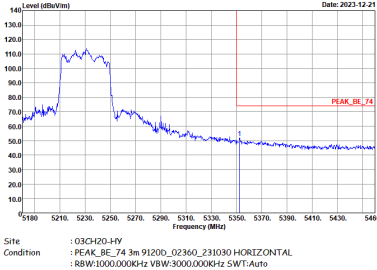
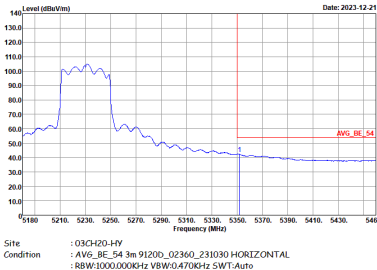


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:4700kHz SWT:Auto	Left blank

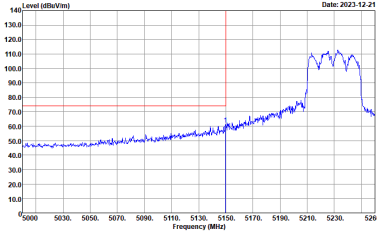
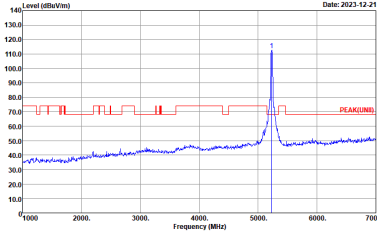
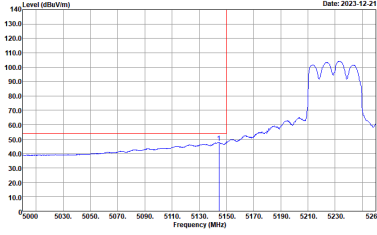
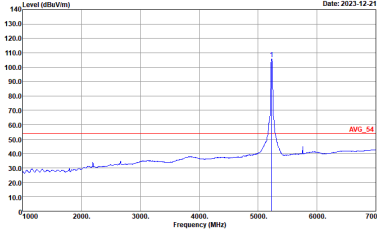


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2023-12-21	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL RBW:1000.000KHz VBW:470KHz SWT:Auto Date: 2023-12-21	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto

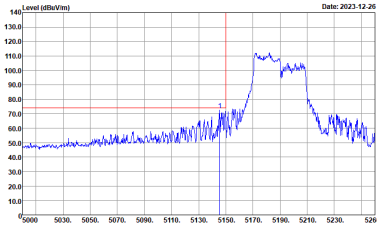
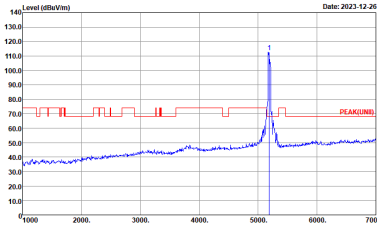
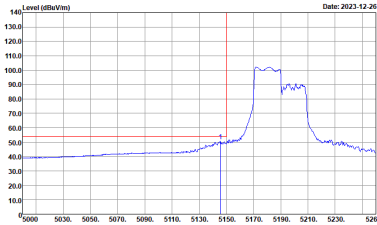
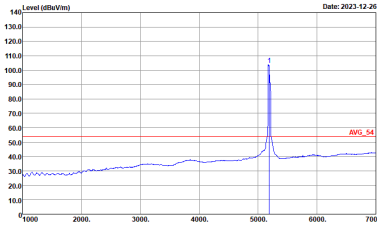


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:470KHz SWT:Auto	Left blank

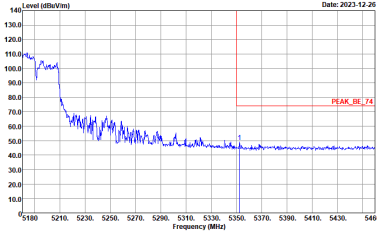
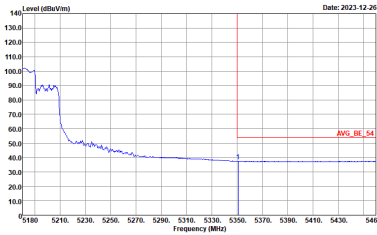


Band 1 5150~5250MHz

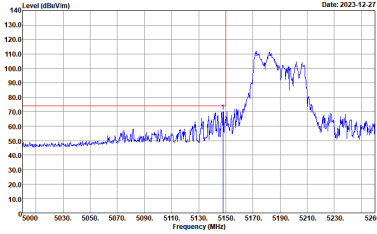
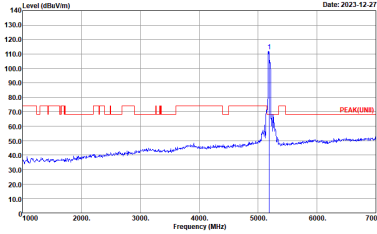
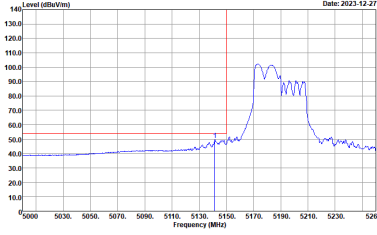
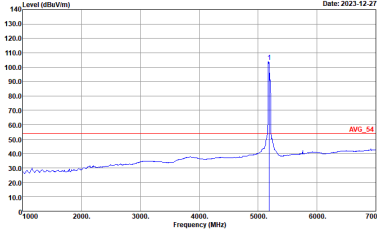
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

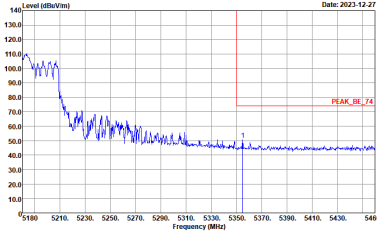
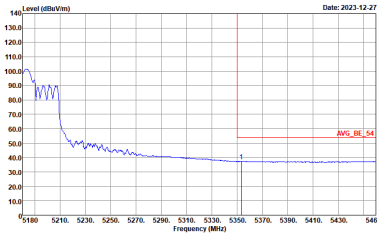


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



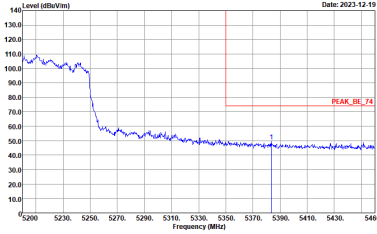
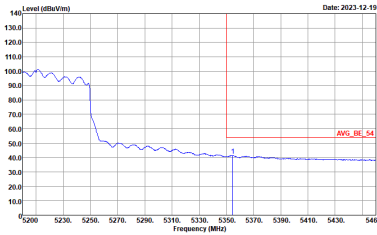
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



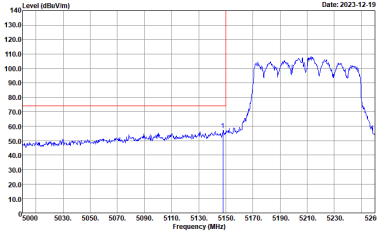
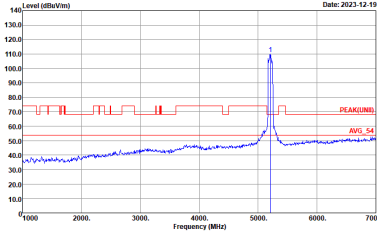
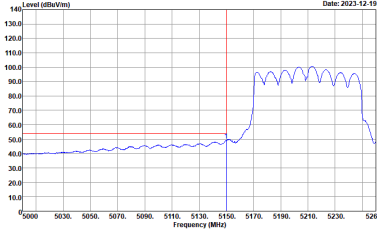
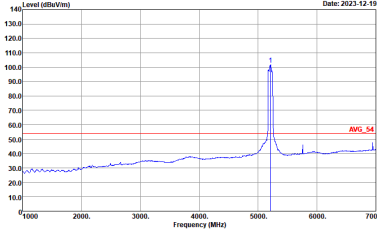
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto

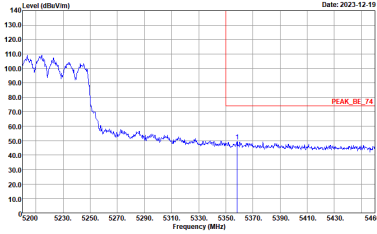
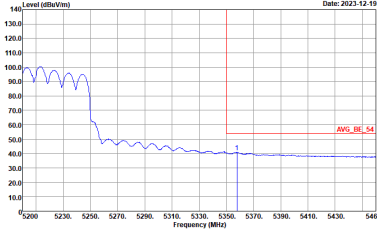


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank