FCC RADIO TEST REPORT

FCC ID	:	**UZ7WT0**
Equipment	:	**Wearable Computer**
Brand Name	:	**Zebra**
Model Name	:	**WT0**
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 Feb. 23, 2024 and testing was performed from Mar. 04, 2024 to Apr. 12, 2024. We, Sporton International Inc. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR422224E	01	Initial issue of report	Apr. 25, 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	1.11 dB under the limit at 5352.24 MHz
3.5	15.207	AC Conducted Emission	Pass	4.75 dB under the limit at 13.56 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Wei Chen

Report Producer: Mila Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wearable Computer
Brand Name	Zebra
Model Name	WT0
FCC ID	UZ7WT0
Sample 1	Premium sku
Sample 2	Base sku
EUT supports Radios application	NFC 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	EV1.1
SW Version	13-14-19.00-TG-U00-PRD-NEM-04
OS Version	Android 13
FW Version	V03
MFD	30JAN24
EUT Stage	Engineering Sample

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

Specification of Accessories				
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Corded Adapter 1	**Brand Name**	Zebra	**Part Number**	CBL-RS5X6-ADPWT-01
Corded Adapter 2	**Brand Name**	Zebra	**Part Number**	CBL-RS5X6-ADPCT-01
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000490-1020
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000490-1820
USB Cable	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-USBCHG-01
Vibrating Cable	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-HDVBAP-01
Type-C cable	**Brand Name**	Zebra	**Part Number**	CBL-EC5X-USBC3A-01
Type-A to Type-C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
Audio Cable 1	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-12S1-01
Audio Cable 2	**Brand Name**	Zebra	**Part Number**	CBL-HS3100-CUC1-01
Training cable	**Brand Name**	Zebra	**Part Number**	25-129938-02R
Audio Adapter Cable (Short)	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-AUQDST-02
Audio Adapter Cable (Long)	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-AUQDLG-01
HEADSET QUICK DISCONNECT CABLE	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-QDC1-02
Scanner 1	**Brand Name**	Zebra	**Part Number**	RS61B0-KESSXWR
			Model Number	RS6100
Scanner 2	**Brand Name**	Zebra	**Part Number**	RS51B0-LCFSWR
			Model Number	RS5100
Scanner 3	**Brand Name**	Zebra	**Part Number**	RS4000-HPCSWR
			Model Number	RS4000
Scanner 4	**Brand Name**	Zebra	**Part Number**	RS4000-HPCLWR
			Model Number	RS4000
Scanner 5	**Brand Name**	Zebra	**Part Number**	RS5000-LCBSWR
			Model Number	RS5000
Earphone 1	**Brand Name**	Zebra	**Model Number**	HS2100
Earphone 2	**Brand Name**	Zebra	**Model Number**	HS3100
Earphone 3	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
hip mount 1	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-HPMNT-01
hip mount 2	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-HPMTX-01

Specification of Accessories				
Wrist moun + Single dial strap (S)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTSS-01
Wrist moun + Single dial strap (L)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTSL-01
Wrist moun + Single dial strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTSX-01
Wrist moun + Dual dial strap (S)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTDS-01
Wrist moun + Dual dial strap (L)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTDL-01
Wrist moun + Dual dial strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTDX-01
Wrist moun + Velcro strap (S)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTVS-01
Wrist moun + Velcro strap (L)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTVL-01
Wrist moun + Velcro strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WMTVX-01
Dual dial strap (S)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTDS-01
Dual dial strap (L)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTDL-01
Dual dial strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTDX-01
Velcro strap (S)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTVS-01
Velcro strap (L)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTVL-01
Velcro strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-WT5X6-WSTVX-01
Single dial strap (S)	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WSTPST-01
Single dial strap (L)	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WSTPLN-01
Single dial strap (XL)	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WSTPXL-01
sleeves for wrist mount	**Brand Name**	Zebra	**Part Number**	SG-WT4027050-01R
Screen Protector	**Brand Name**	Zebra	**Part Number**	MISC-WT5X6-SCRN-05

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. 0+1>** 802.11a: 22.46 dBm / 0.1762 W 802.11n HT20: 22.11 dBm / 0.1626 W 802.11n HT40: 21.31 dBm / 0.1352 W 802.11ac VHT20: 22.21 dBm / 0.1663 W 802.11ac VHT40: 21.41 dBm / 0.1384 W 802.11ac VHT80: 19.11 dBm / 0.0815 W 802.11ac VHT160: 17.41 dBm / 0.0551 W 802.11ax HE20: 22.31 dBm / 0.1702 W 802.11ax HE40: 21.51 dBm / 0.1416 W 802.11ax HE80: 19.21 dBm / 0.0834 W 802.11ax HE160: 17.51 dBm / 0.0564 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 0+1>** 802.11a: 22.26 dBm / 0.1683 W 802.11n HT20: 22.26 dBm / 0.1683 W 802.11n HT40: 22.26 dBm / 0.1683 W 802.11ac VHT20: 22.36 dBm / 0.1722 W 802.11ac VHT40: 22.36 dBm / 0.1722 W 802.11ac VHT80: 17.26 dBm / 0.0532 W 802.11ax HE20: 22.46 dBm / 0.1762 W 802.11ax HE40: 22.46 dBm / 0.1762 W 802.11ax HE80: 17.36 dBm / 0.0545 W 802.11ax HE160: 17.51 dBm / 0.0564 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 0+1>** 802.11a: 22.72 dBm / 0.1871 802.11n HT20: 22.82 dBm / 0.1914 802.11n HT40: 22.26 dBm / 0.1683 802.11ac VHT20: 22.92 dBm / 0.1959 802.11ac VHT40: 22.36 dBm / 0.1722 802.11ac VHT80: 22.97 dBm / 0.1982 W 802.11ac VHT160: 20.41 dBm / 0.1099 W 802.11ax HE20: 23.02 dBm / 0.2004 W 802.11ax HE40: 22.46 dBm / 0.176 W 802.11ax HE80: 23.07 dBm / 0.2028 W 802.11ax HE160: 20.51 dBm / 0.1125 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	**MIMO <Ant. 0>** 802.11a: 16.33 MHz 802.11ac VHT20: 17.53 MHz 802.11ac VHT40: 36.26 MHz 802.11ac VHT80: 74.93 MHz 802.11ac VHT160: 154.17 MHz 802.11ax HE20: 18.93 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 76.96 MHz 802.11ax HE160: 155.84 MHz **MIMO <Ant. 1>** 802.11a: 16.33 MHz 802.11ac VHT20: 17.53 MHz 802.11ac VHT40: 36.16 MHz 802.11ac VHT80: 75.16 MHz 802.11ac VHT160: 154.17 MHz 802.11ax HE20: 18.93 MHz 802.11ax HE40: 37.86 MHz 802.11ax HE80: 76.84 MHz 802.11ax HE160: 155.60 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** **<Ant. 0>:** PIFA Antenna **<Ant. 1>:** Monopole Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 0>:** PIFA Antenna **<Ant. 1>:** Monopole Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 0>:** PIFA Antenna **<Ant. 1>:** Monopole Antenna
Antenna Gain	**<5180 MHz ~ 5240 MHz>** **<Ant. 0>:** 2.16 dBi **<Ant. 1>:** 2.68 dBi **<5260 MHz ~ 5320 MHz>** **<Ant. 0>:** 2.50 dBi **<Ant. 1>:** 2.83 dBi **<5500 MHz ~ 5720 MHz>** **<Ant. 0>:** 2.47 dBi **<Ant. 1>:** 2.73 dBi

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 0</th><th>Ant. 1</th></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ax TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Remark:

1. MIMO Ant. 0+1 Directional Gain is a calculated result from MIMO Ant. 0 and MIMO Ant. 1. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 0 + Ant. 1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.
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 F)2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

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

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

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

	Ant 0 (dBi)	Ant 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.16	2.68	2.68	5.43	0.00	0.00
Band II	2.50	2.83	2.83	5.68	0.00	0.00
Band III	2.47	2.73	2.73	5.61	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT0}= 2.50dBi; G_{ANT1}=2.83dBi

Directional gain of power measurement = max(2.50, 2.83) + 0 = 2.83 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.50 dBi / 20) + 10^ (2.83 dBi / 20)] ^ 2 } / 2 }

= 5.68 dBi

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

<For TXBF Modes>

The EUT supports beamforming modes , then

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

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

	Ant 0 (dBi)	Ant 1 (dBi)	for Power (dBi)	for PSD (dBi)	Limit Reduction (dB)	Limit Reduction (dB)
Band I	2.16	2.68	5.43	5.43	0.00	0.00
Band II	2.50	2.83	5.68	5.68	0.00	0.00
Band III	2.47	2.73	5.61	5.61	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (2.50 dBi / 20) + 10^ (2.83 dBi / 20)] ^ 2 } / 2 }

= 5.68 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, 03CH07-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY (TAF Code: 3786)
Remark	The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

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

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

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

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

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

The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted 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

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + MP3 Play + NFC on + Scan Bar Code + Battery 2 + Scanner 1 Bluetooth Link with EUT + Earphone 1 + HEADSET QUICK DISCONNECT CABLE + Audio Adapter Cable (Short) + USB Cable (Charging from AC Adapter) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 1, Earphone 1, Audio Cable 1 and Sample 1.	

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

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

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

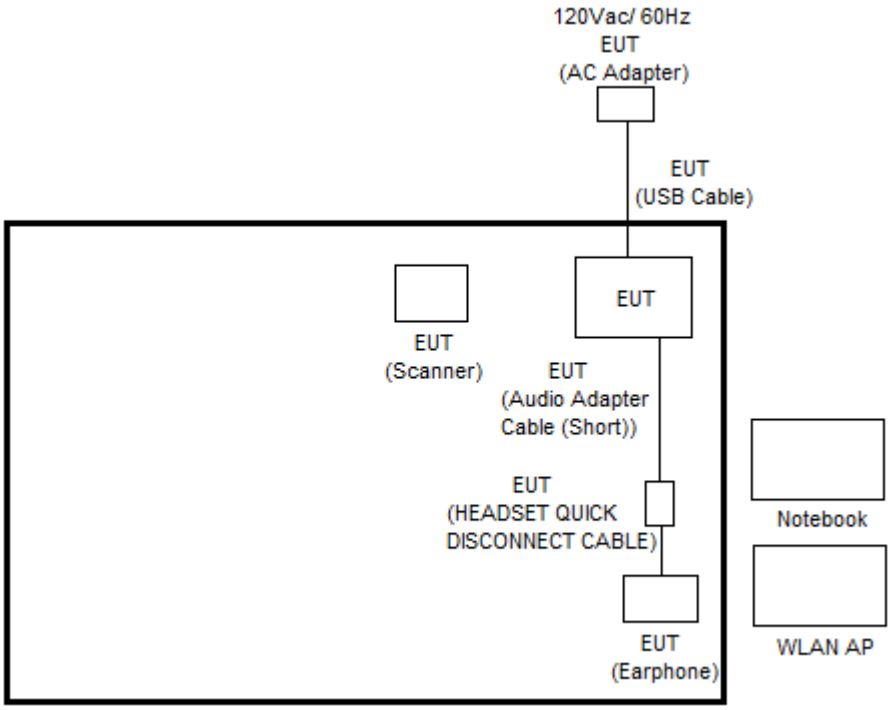
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

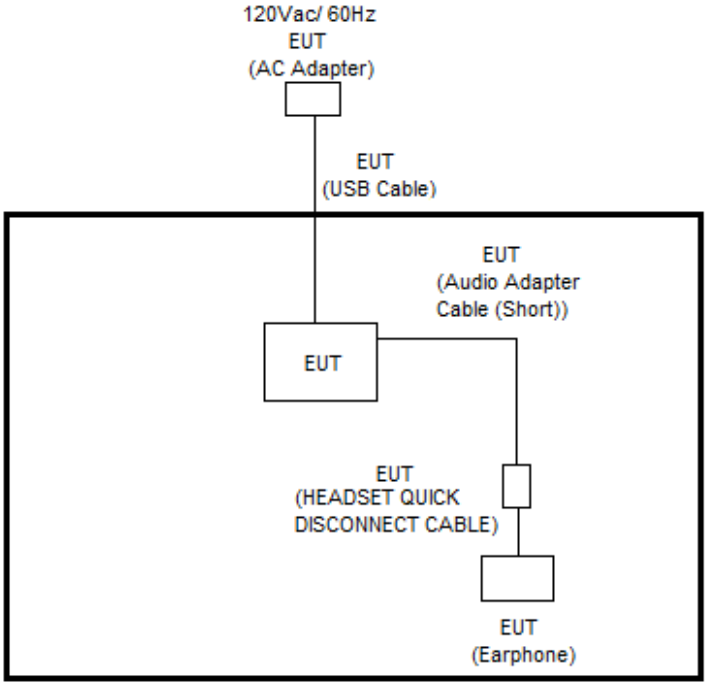
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx with Accessory Mode>



<WLAN Tx without Accessories Mode>

2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.211.0” 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.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

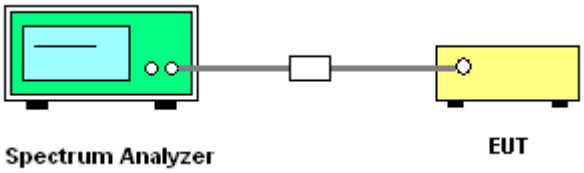
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

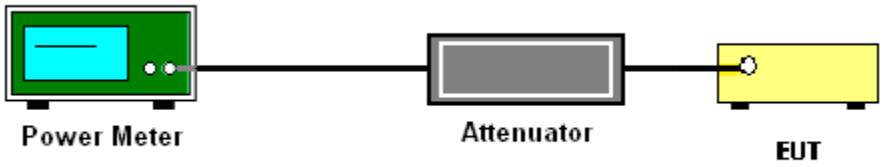
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

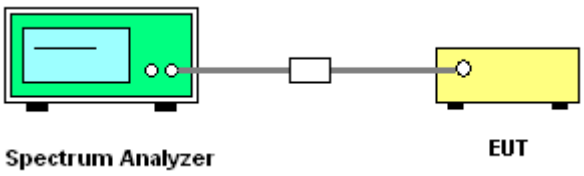
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

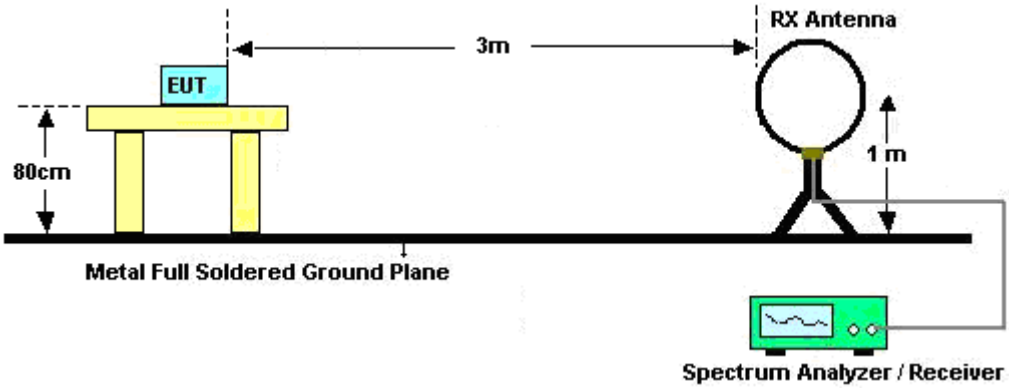
   (2) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

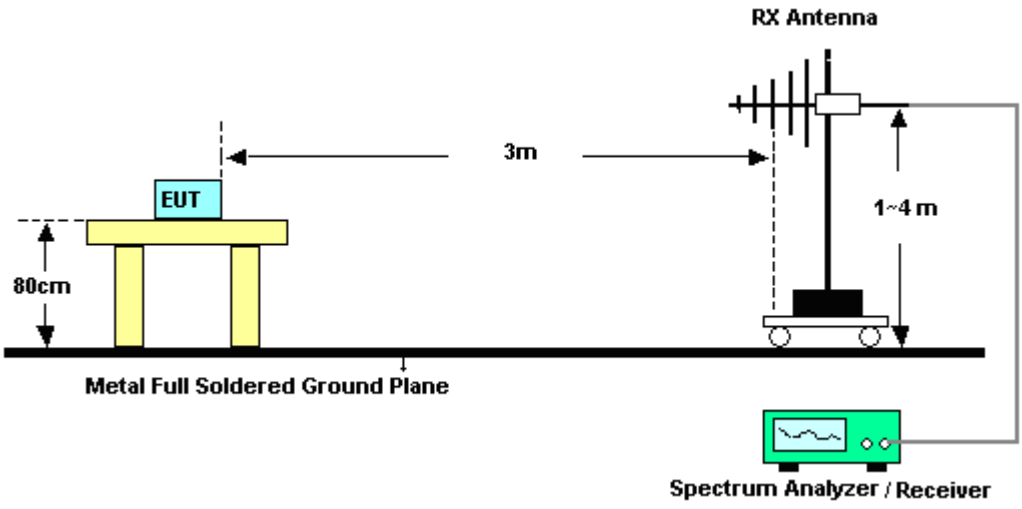
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

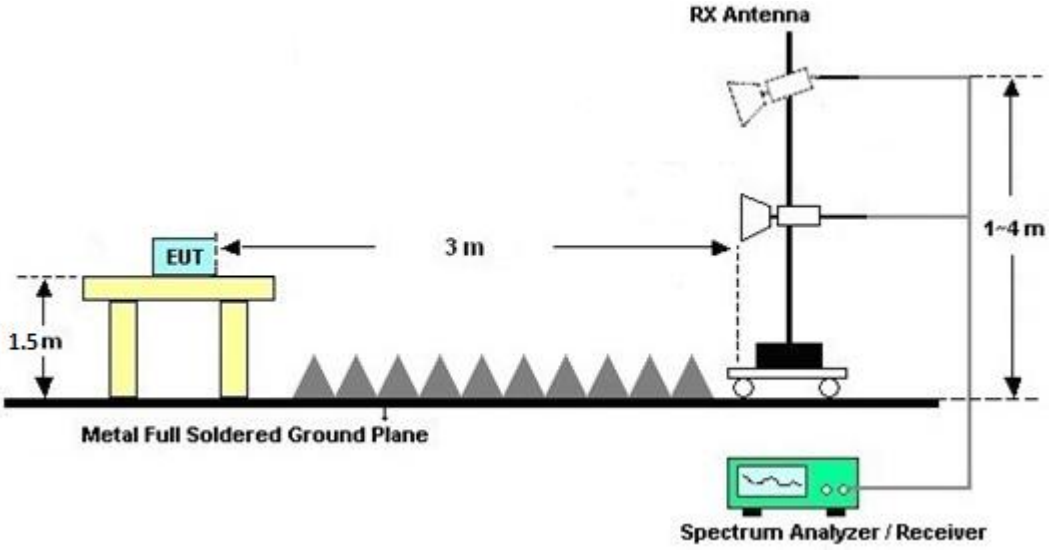
For radiated emissions below 30MHz



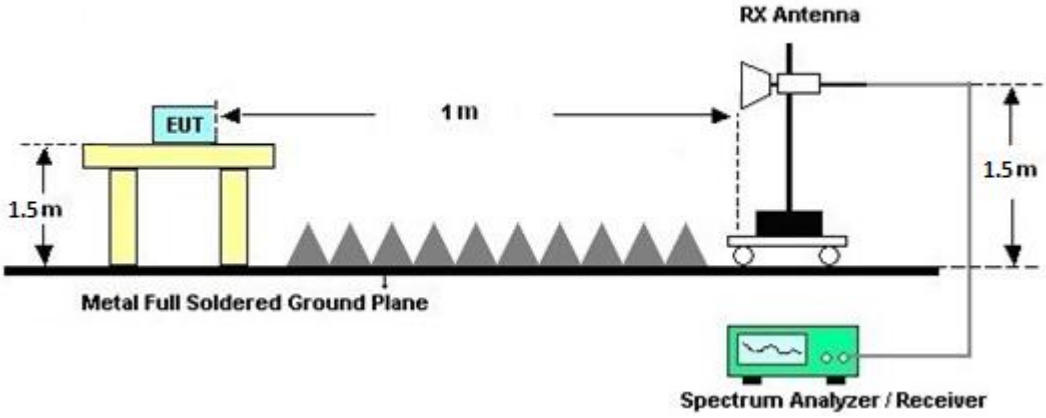
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

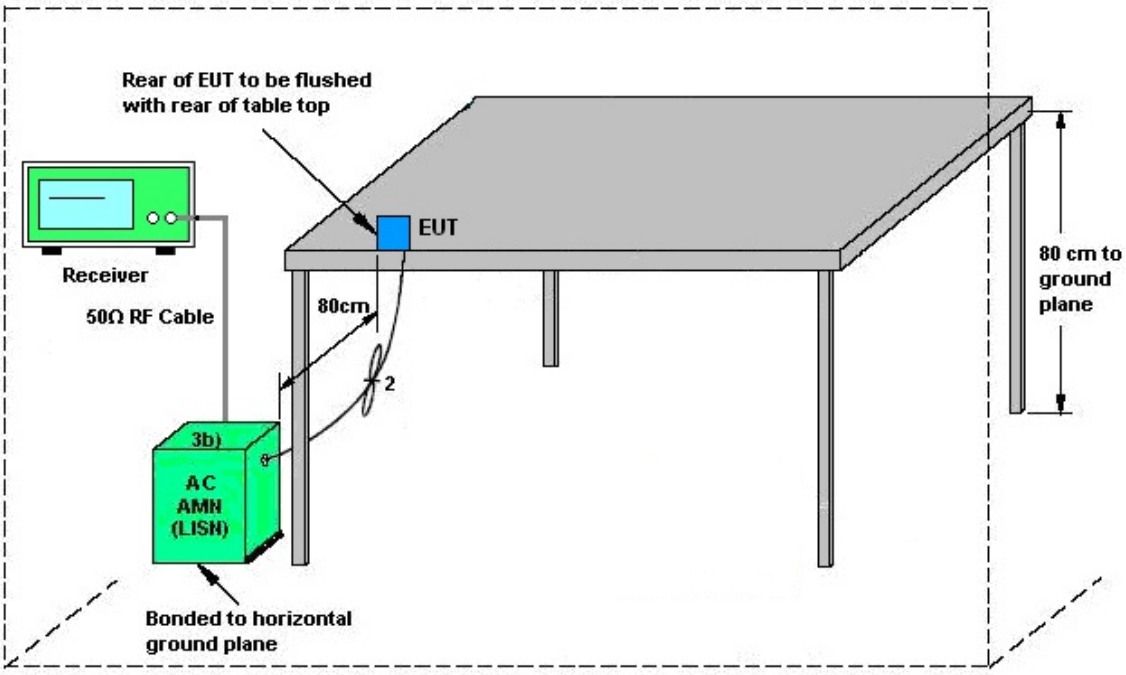
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 30, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Mar. 30, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Mar. 30, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Mar. 30, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 30, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Mar. 30, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Mar. 30, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Nov. 27, 2023	Mar. 12, 2024~ Mar. 23, 2024	Nov. 26, 2024	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 20, 2023	Mar. 12, 2024~ Mar. 23, 2024	Apr. 19, 2024	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 24, 2023	Mar. 12, 2024~ Mar. 22, 2024	Mar. 23, 2024	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 23, 2024	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 25, 2023	Mar. 12, 2024~ Mar. 23, 2024	Jul. 24, 2024	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 28, 2023	Mar. 12, 2024~ Mar. 23, 2024	Mar. 27, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 21, 2024	Mar. 12, 2024~ Mar. 23, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 21, 2024	Mar. 12, 2024~ Mar. 23, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 15, 2023	Mar. 12, 2024~ Mar. 23, 2024	Sep. 14, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 21, 2024	Mar. 12, 2024~ Mar. 23, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 20, 2023	Mar. 12, 2024~ Mar. 23, 2024	Apr. 19, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Mar. 12, 2024~ Mar. 23, 2024	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Mar. 12, 2024~ Mar. 23, 2024	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Mar. 12, 2024~ Mar. 23, 2024	N/A	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Mar. 12, 2024~ Mar. 23, 2024	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Mar. 12, 2024~ Mar. 23, 2024	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 01, 2024	Mar. 12, 2024~ Mar. 23, 2024	Feb. 28, 2025	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2023	Mar. 12, 2024~ Mar. 23, 2024	Nov. 23, 2024	Radiation (03CH07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 04, 2024~ Apr. 12, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Mar. 04, 2024~ Apr. 12, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Mar. 04, 2024~ Apr. 12, 2024	Sep. 11, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.5 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.6 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/3/4~2024/04/12	Relative Humidity:	51~54	%

Report Number : FR422224E

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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	16.33	16.33	19.97	19.87	-		22.13		-	
11a	6Mbps	2	44	5220	16.33	16.33	19.89	19.58	-		22.13			
11a	6Mbps	2	48	5240	16.33	16.33	19.82	19.92	-		22.13			
VHT20	MCS0	2	36	5180	17.48	17.53	20.50	20.53	-		22.43			
VHT20	MCS0	2	44	5220	17.43	17.48	20.80	21.17	-		22.41			
VHT20	MCS0	2	48	5240	17.48	17.53	20.61	21.43	-		22.43			
VHT40	MCS0	2	38	5190	35.96	36.06	40.72	40.48	-		23.01			
VHT40	MCS0	2	46	5230	36.06	36.06	40.58	40.70	-		23.01			
VHT80	MCS0	2	42	5210	74.93	74.93	81.02	81.34	-		23.01			
VHT160	MCS0	2	50	5250	154.17	154.17	165.17	164.78	-		23.01			

Report Number : FR422224E

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	18.80	18.90	21.86	24.00		2.68		-	Pass
11a	6Mbps	2	44	5220	19.50	19.40	22.46	24.00		2.68			Pass
11a	6Mbps	2	48	5240	19.40	19.50	22.46	24.00		2.68			Pass
HT20	MCS0	2	36	5180	17.10	17.30	20.21	24.00		2.68			Pass
HT20	MCS0	2	44	5220	19.10	19.10	22.11	24.00		2.68			Pass
HT20	MCS0	2	48	5240	19.00	19.00	22.01	24.00		2.68			Pass
HT40	MCS0	2	38	5190	16.20	15.70	18.97	24.00		2.68			Pass
HT40	MCS0	2	46	5230	18.40	18.20	21.31	24.00		2.68			Pass
VHT20	MCS0	2	36	5180	17.20	17.40	20.31	24.00		2.68			Pass
VHT20	MCS0	2	44	5220	19.20	19.20	22.21	24.00		2.68			Pass
VHT20	MCS0	2	48	5240	19.10	19.10	22.11	24.00		2.68			Pass
VHT40	MCS0	2	38	5190	16.30	15.80	19.07	24.00		2.68			Pass
VHT40	MCS0	2	46	5230	18.50	18.30	21.41	24.00		2.68			Pass
VHT80	MCS0	2	42	5210	16.20	16.00	19.11	24.00		2.68			Pass
VHT160	MCS0	2	50	5250	14.60	14.20	17.41	24.00		2.68			Pass

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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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	0.04	0.04	-		10.30	11.00		5.43		-	Pass
11a	6Mbps	2	44	5220	0.04	0.04			10.75	11.00		5.43			Pass
11a	6Mbps	2	48	5240	0.04	0.04			10.86	11.00		5.43			Pass
VHT20	MCS0	2	36	5180	0.00	0.00			9.59	11.00		5.43			Pass
VHT20	MCS0	2	44	5220	0.00	0.00			10.13	11.00		5.43			Pass
VHT20	MCS0	2	48	5240	0.00	0.00			10.16	11.00		5.43			Pass
VHT40	MCS0	2	38	5190	0.00	0.00			5.68	11.00		5.43			Pass
VHT40	MCS0	2	46	5230	0.00	0.00			8.26	11.00		5.43			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			3.31	11.00		5.43			Pass
VHT160	MCS0	2	50	5250	0.03	0.03			-1.14	11.00		5.43			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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	16.33	16.33	19.68	19.74	23.13		29.13		23.94		-
11a	6Mbps	2	60	5300	16.28	16.33	19.94	19.76	23.12		29.12		23.96		
11a	6Mbps	2	64	5320	16.33	16.33	20.10	20.12	23.13		29.13		23.98		
VHT20	MCS0	2	52	5260	17.48	17.53	20.82	21.17	23.43		29.43		23.98		
VHT20	MCS0	2	60	5300	17.43	17.53	21.55	21.17	23.41		29.41		23.98		
VHT20	MCS0	2	64	5320	17.53	17.48	20.58	20.54	23.43		29.43		23.98		
VHT40	MCS0	2	54	5270	36.06	36.06	40.19	40.56	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.06	36.06	40.77	40.24	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	74.93	74.93	81.28	81.44	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	19.30	19.20	22.26	23.94		2.83		30	Pass
11a	6Mbps	2	60	5300	19.30	19.10	22.21	23.96		2.83		30	Pass
11a	6Mbps	2	64	5320	17.70	17.80	20.76	23.98		2.83		30	Pass
HT20	MCS0	2	52	5260	19.20	19.30	22.26	23.98		2.83		30	Pass
HT20	MCS0	2	60	5300	19.30	19.20	22.26	23.98		2.83		30	Pass
HT20	MCS0	2	64	5320	17.80	17.60	20.71	23.98		2.83		30	Pass
HT40	MCS0	2	54	5270	19.40	19.10	22.26	23.98		2.83		30	Pass
HT40	MCS0	2	62	5310	17.50	17.30	20.41	23.98		2.83		30	Pass
VHT20	MCS0	2	52	5260	19.30	19.40	22.36	23.98		2.83		30	Pass
VHT20	MCS0	2	60	5300	19.40	19.30	22.36	23.98		2.83		30	Pass
VHT20	MCS0	2	64	5320	17.90	17.70	20.81	23.98		2.83		30	Pass
VHT40	MCS0	2	54	5270	19.50	19.20	22.36	23.98		2.83		30	Pass
VHT40	MCS0	2	62	5310	17.60	17.40	20.51	23.98		2.83		30	Pass
VHT80	MCS0	2	58	5290	14.40	14.10	17.26	23.98		2.83		30	Pass

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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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1			
11a	6Mbps	2	52	5260	0.04	0.04			10.80	11.00		5.68				Pass
11a	6Mbps	2	60	5300	0.04	0.04			10.39	11.00		5.68				Pass
11a	6Mbps	2	64	5320	0.04	0.04			9.23	11.00		5.68				Pass
VHT20	MCS0	2	52	5260	0.00	0.00			10.60	11.00		5.68				Pass
VHT20	MCS0	2	60	5300	0.00	0.00	-		10.27	11.00		5.68		-		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			10.38	11.00		5.68				Pass
VHT40	MCS0	2	54	5270	0.00	0.00			9.09	11.00		5.68				Pass
VHT40	MCS0	2	62	5310	0.00	0.00			7.03	11.00		5.68				Pass
VHT80	MCS0	2	58	5290	0.00	0.00			1.54	11.00		5.68				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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	16.33	16.33	20.02	19.86	23.13		29.13		23.98		----	----
11a	6Mbps	2	116	5580	16.33	16.33	21.00	19.75	23.13		29.13		23.96		----	----
11a	6Mbps	2	140	5700	16.33	16.33	20.01	19.81	23.13		29.13		23.97		----	----
VHT20	MCS0	2	100	5500	17.53	17.53	20.14	20.22	23.44		29.44		23.98		----	----
VHT20	MCS0	2	116	5580	17.48	17.48	24.11	21.19	23.43		29.43		23.98		----	----
VHT20	MCS0	2	140	5700	17.53	17.53	20.66	20.28	23.44		29.44		23.98		----	----
VHT40	MCS0	2	102	5510	35.96	36.06	40.53	40.66	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.26	36.06	41.33	40.78	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.06	36.16	40.96	40.38	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	74.93	75.16	81.38	81.12	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	74.93	75.04	81.66	81.95	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	154.17	153.93	165.74	164.93	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	13.19	13.19	15.31	14.74	22.20		28.20		22.68		3.115	3.12
VHT20	MCS0	2	144	5720	13.79	13.79	15.58	15.70	22.40		28.40		22.93		3.11	3.745
VHT40	MCS0	2	142	5710	32.98	32.98	35.46	35.58	23.98		30.00		23.98		2.496	2.514
VHT80	MCS0	2	138	5690	72.76	72.52	78.71	75.77	23.98		30.00		23.98		2.536	2.5507
6dB Bandwidth Limit ≧ 500kHz															Pass	

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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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	18.90	18.90	21.91	23.98		2.73		30	Pass
11a	6Mbps	2	116	5580	20.00	19.40	22.72	23.96		2.73		30	Pass
11a	6Mbps	2	140	5700	18.20	18.10	21.16	23.97		2.73		30	Pass
HT20	MCS0	2	100	5500	18.30	18.10	21.21	23.98		2.73		30	Pass
HT20	MCS0	2	116	5580	20.10	19.50	22.82	23.98		2.73		30	Pass
HT20	MCS0	2	140	5700	16.60	16.60	19.61	23.98		2.73		30	Pass
HT40	MCS0	2	102	5510	16.20	15.90	19.06	23.98		2.73		30	Pass
HT40	MCS0	2	110	5550	19.40	19.10	22.26	23.98		2.73		30	Pass
HT40	MCS0	2	134	5670	19.30	18.40	21.88	23.98		2.73		30	Pass
VHT20	MCS0	2	100	5500	18.40	18.20	21.31	23.98		2.73		30	Pass
VHT20	MCS0	2	116	5580	20.20	19.60	22.92	23.98		2.73		30	Pass
VHT20	MCS0	2	140	5700	16.70	16.70	19.71	23.98		2.73		30	Pass
VHT40	MCS0	2	102	5510	16.30	16.00	19.16	23.98		2.73		30	Pass
VHT40	MCS0	2	110	5550	19.50	19.20	22.36	23.98		2.73		30	Pass
VHT40	MCS0	2	134	5670	19.40	18.50	21.98	23.98		2.73		30	Pass
VHT80	MCS0	2	106	5530	15.50	15.20	18.36	23.98		2.73		30	Pass
VHT80	MCS0	2	122	5610	19.20	18.40	21.83	23.98		2.73		30	Pass
VHT160	MCS0	2	114	5570	17.50	17.30	20.41	23.98		2.73		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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	19.90	19.40	22.67	22.68		2.73		30	Pass
HT20	MCS0	2	144	5720	20.00	19.50	22.77	23.98		2.73		30	Pass
HT40	MCS0	2	142	5710	19.10	19.20	22.16	23.98		2.73		30	Pass
VHT20	MCS0	2	144	5720	20.10	19.60	22.87	22.93		2.73		30	Pass
VHT40	MCS0	2	142	5710	19.20	19.30	22.26	23.98		2.73		30	Pass
VHT80	MCS0	2	138	5690	20.20	19.70	22.97	23.98		2.73		30	Pass

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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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	0.04	0.04			9.80	11.00		5.61			Pass
11a	6Mbps	2	116	5580	0.04	0.04			10.78	11.00		5.61			Pass
11a	6Mbps	2	140	5700	0.04	0.04			9.10	11.00		5.61			Pass
VHT20	MCS0	2	100	5500	0.00	0.00			10.48	11.00		5.61			Pass
VHT20	MCS0	2	116	5580	0.00	0.00			10.82	11.00		5.61			Pass
VHT20	MCS0	2	140	5700	0.00	0.00			9.05	11.00		5.61			Pass
VHT40	MCS0	2	102	5510	0.00	0.00	-		5.64	11.00		5.61		-	Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.72	11.00		5.61			Pass
VHT40	MCS0	2	134	5670	0.00	0.00			8.52	11.00		5.61			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			2.60	11.00		5.61			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			6.13	11.00		5.61			Pass
VHT160	MCS0	2	114	5570	0.03	0.03			1.55	11.00		5.61			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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	0.04	0.04			10.67	11.00		5.61			Pass
VHT20	MCS0	2	144	5720	0.00	0.00	-		10.62	11.00		5.61		-	Pass
VHT40	MCS0	2	142	5710	0.00	0.00			8.52	11.00		5.61			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			7.25	11.00		5.61			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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	18.83	18.88	20.89	20.57	-		22.75		-	-
HE20	MCS0	2	44	5220	Full	18.83	18.83	21.31	21.30	-		22.75			
HE20	MCS0	2	48	5240	Full	18.83	18.83	21.52	21.37	-		22.75			
HE40	MCS0	2	38	5190	Full	37.66	37.76	41.23	41.30	-		23.01			
HE40	MCS0	2	46	5230	Full	37.76	37.66	41.38	41.15	-		23.01			
HE80	MCS0	2	42	5210	Full	76.72	76.84	81.57	82.11	-		23.01			
HE160	MCS0	2	50	5250	Full	155.84	155.60	164.50	164.54	-		23.01			

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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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	17.30	17.50	20.41	24.00		2.68		-	Pass
HE20	MCS0	2	36	5180	26/0	9.40	9.90	12.67	24.00		2.68			Pass
HE20	MCS0	2	36	5180	52/37	12.50	12.90	15.71	24.00		2.68			Pass
HE20	MCS0	2	36	5180	106/53	15.50	15.90	18.71	24.00		2.68			Pass
HE20	MCS0	2	44	5220	Full	19.30	19.30	22.31	24.00		2.68			Pass
HE20	MCS0	2	44	5220	26/4	10.70	11.10	13.91	24.00		2.68			Pass
HE20	MCS0	2	44	5220	52/38	12.80	13.20	16.01	24.00		2.68			Pass
HE20	MCS0	2	44	5220	106/53	15.80	16.20	19.01	24.00		2.68			Pass
HE20	MCS0	2	48	5240	Full	19.20	19.20	22.21	24.00		2.68			Pass
HE20	MCS0	2	48	5240	26/8	9.50	9.80	12.66	24.00		2.68			Pass
HE20	MCS0	2	48	5240	52/40	12.40	13.00	15.72	24.00		2.68			Pass
HE20	MCS0	2	48	5240	106/54	15.20	15.80	18.52	24.00		2.68			Pass
HE40	MCS0	2	38	5190	Full	16.40	15.90	19.17	24.00		2.68			Pass
HE40	MCS0	2	38	5190	242/61	15.70	15.60	18.66	24.00		2.68			Pass
HE40	MCS0	2	46	5230	Full	18.60	18.40	21.51	24.00		2.68			Pass
HE40	MCS0	2	46	5230	242/62	17.70	17.70	20.71	24.00		2.68			Pass
HE80	MCS0	2	42	5210	Full	16.30	16.10	19.21	24.00		2.68			Pass
HE80	MCS0	2	42	5210	484/65	16.20	16.00	19.11	24.00		2.68			Pass
HE160	MCS0	2	50	5250	Full	14.70	14.30	17.51	24.00		2.68			Pass
HE160	MCS0	2	50	5250	996/67	13.10	13.20	16.16	24.00		2.68			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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	0.00	0.00			9.77	11.00		5.43			Pass
HE20	MCS0	2	36	5180	26/0	0.62	0.60			9.36	11.00		5.43			Pass
HE20	MCS0	2	36	5180	52/37	0.61	0.65			9.42	11.00		5.43			Pass
HE20	MCS0	2	36	5180	106/53	0.70	0.66			9.42	11.00		5.43			Pass
HE20	MCS0	2	44	5220	Full	0.00	0.00			9.88	11.00		5.43			Pass
HE20	MCS0	2	44	5220	26/4	0.62	0.60			9.67	11.00		5.43			Pass
HE20	MCS0	2	44	5220	52/38	0.61	0.65			9.83	11.00		5.43			Pass
HE20	MCS0	2	44	5220	106/53	0.70	0.66			9.84	11.00		5.43			Pass
HE20	MCS0	2	48	5240	Full	0.00	0.00			9.93	11.00		5.43			Pass
HE20	MCS0	2	48	5240	26/8	0.62	0.60			9.82	11.00		5.43			Pass
HE20	MCS0	2	48	5240	52/40	0.61	0.65		-	9.92	11.00		5.43		-	Pass
HE20	MCS0	2	48	5240	106/54	0.70	0.66			9.71	11.00		5.43			Pass
HE40	MCS0	2	38	5190	Full	0.00	0.00			6.06	11.00		5.43			Pass
HE40	MCS0	2	38	5190	242/61	0.00	0.00			5.52	11.00		5.43			Pass
HE40	MCS0	2	46	5230	Full	0.00	0.00			8.11	11.00		5.43			Pass
HE40	MCS0	2	46	5230	242/62	0.00	0.00			7.76	11.00		5.43			Pass
HE80	MCS0	2	42	5210	Full	0.03	0.04			3.33	11.00		5.43			Pass
HE80	MCS0	2	42	5210	484/65	0.04	0.03			3.05	11.00		5.43			Pass
HE160	MCS0	2	50	5250	Full	0.03	0.03			-1.29	11.00		5.43			Pass
HE160	MCS0	2	50	5250	996/67	0.10	0.10			-2.68	11.00		5.43			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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	52	5260	Full	18.83	18.83	22.37	21.38	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	Full	18.83	18.83	25.05	21.37	23.75		29.75		23.98		
HE20	MCS0	2	64	5320	Full	18.83	18.83	20.81	20.70	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.76	37.86	41.10	41.33	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.66	37.76	41.63	41.54	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.72	76.72	81.66	81.41	23.98		30.00		23.98		

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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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	52	5260	Full	19.40	19.50	22.46	23.98		2.83		30	Pass
HE20	MCS0	2	52	5260	26/0	9.90	9.90	12.91	23.98		2.83		30	Pass
HE20	MCS0	2	52	5260	52/37	12.50	13.00	15.77	23.98		2.83		30	Pass
HE20	MCS0	2	52	5260	106/53	15.70	16.30	19.02	23.98		2.83		30	Pass
HE20	MCS0	2	60	5300	Full	19.50	19.40	22.46	23.98		2.83		30	Pass
HE20	MCS0	2	60	5300	26/4	10.70	11.00	13.86	23.98		2.83		30	Pass
HE20	MCS0	2	60	5300	52/38	12.50	12.90	15.71	23.98		2.83		30	Pass
HE20	MCS0	2	60	5300	106/53	15.50	15.90	18.71	23.98		2.83		30	Pass
HE20	MCS0	2	64	5320	Full	18.00	17.80	20.91	23.98		2.83		30	Pass
HE20	MCS0	2	64	5320	26/8	10.70	11.00	13.86	23.98		2.83		30	Pass
HE20	MCS0	2	64	5320	52/40	13.40	13.70	16.56	23.98		2.83		30	Pass
HE20	MCS0	2	64	5320	106/54	16.40	16.50	19.46	23.98		2.83		30	Pass
HE40	MCS0	2	54	5270	Full	19.60	19.30	22.46	23.98		2.83		30	Pass
HE40	MCS0	2	54	5270	242/61	18.60	18.70	21.66	23.98		2.83		30	Pass
HE40	MCS0	2	62	5310	Full	17.70	17.50	20.61	23.98		2.83		30	Pass
HE40	MCS0	2	62	5310	242/62	15.70	15.70	18.71	23.98		2.83		30	Pass
HE80	MCS0	2	58	5290	Full	14.50	14.20	17.36	23.98		2.83		30	Pass
HE80	MCS0	2	58	5290	484/66	13.40	13.70	16.56	23.98		2.83		30	Pass
HE160	MCS0	2	50	5250	Full	14.70	14.30	17.51	23.98		2.83		30	Pass
HE160	MCS0	2	50	5250	996/S67	10.70	10.90	13.81	23.98		2.83		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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	52	5260	Full	0.00	0.00			10.40	11.00		5.68			Pass
HE20	MCS0	2	52	5260	26/0	0.62	0.60			9.95	11.00		5.68			Pass
HE20	MCS0	2	52	5260	52/37	0.61	0.65			9.96	11.00		5.68			Pass
HE20	MCS0	2	52	5260	106/53	0.70	0.66			10.20	11.00		5.68			Pass
HE20	MCS0	2	60	5300	Full	0.00	0.00			10.04	11.00		5.68			Pass
HE20	MCS0	2	60	5300	26/4	0.62	0.60			9.60	11.00		5.68			Pass
HE20	MCS0	2	60	5300	52/38	0.61	0.65			9.79	11.00		5.68			Pass
HE20	MCS0	2	60	5300	106/53	0.70	0.66			9.75	11.00		5.68			Pass
HE20	MCS0	2	64	5320	Full	0.00	0.00			10.62	11.00		5.68			Pass
HE20	MCS0	2	64	5320	26/8	0.62	0.60			10.59	11.00		5.68			Pass
HE20	MCS0	2	64	5320	52/40	0.61	0.65	-		10.52	11.00		5.68		-	Pass
HE20	MCS0	2	64	5320	106/54	0.70	0.66			10.50	11.00		5.68			Pass
HE40	MCS0	2	54	5270	Full	0.00	0.00			9.00	11.00		5.68			Pass
HE40	MCS0	2	54	5270	242/61	0.00	0.00			8.76	11.00		5.68			Pass
HE40	MCS0	2	62	5310	Full	0.00	0.00			7.12	11.00		5.68			Pass
HE40	MCS0	2	62	5310	242/62	0.00	0.00			5.64	11.00		5.68			Pass
HE80	MCS0	2	58	5290	Full	0.03	0.04			1.66	11.00		5.68			Pass
HE80	MCS0	2	58	5290	484/66	0.04	0.03			0.65	11.00		5.68			Pass
HE160	MCS0	2	50	5250	Full	0.03	0.03			-1.29	11.00		5.68			Pass
HE160	MCS0	2	50	5250	996/S67	0.10	0.10			-4.96	11.00		5.68			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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	100	5500	Full	18.93	18.93	22.68	22.36	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.83	31.38	21.61	23.75		29.75		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.83	18.83	20.73	20.98	23.75		29.75		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.66	37.66	41.02	41.15	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	38.06	37.76	42.62	40.99	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.76	42.13	41.07	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.72	76.84	81.57	82.82	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.96	76.72	82.14	81.76	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	155.60	155.36	165.94	164.30	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	144	5720	Full	14.44	14.44	17.59	15.74	22.60		28.60		22.97		4.325	4.225
HE40	MCS0	2	142	5710	Full	33.98	33.88	35.77	35.59	23.98		30.00		23.98		2.478	2.523
HE80	MCS0	2	138	5690	Full	73.60	73.48	78.36	75.70	23.98		30.00		23.98		2.52	2.488
6dB Bandwidth Limit ≧ 500kHz																Pass	

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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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full	18.50	18.30	21.41	23.98		2.73		30	Pass
HE20	MCS0	2	100	5500	26/0	10.60	11.30	13.97	23.98		2.73		30	Pass
HE20	MCS0	2	100	5500	52/37	13.40	14.00	16.72	23.98		2.73		30	Pass
HE20	MCS0	2	100	5500	106/53	15.80	16.30	19.07	23.98		2.73		30	Pass
HE20	MCS0	2	116	5580	Full	20.30	19.70	23.02	23.98		2.73		30	Pass
HE20	MCS0	2	116	5580	26/4	11.70	11.30	14.51	23.98		2.73		30	Pass
HE20	MCS0	2	116	5580	52/38	13.40	13.10	16.26	23.98		2.73		30	Pass
HE20	MCS0	2	116	5580	106/53	16.40	16.20	19.31	23.98		2.73		30	Pass
HE20	MCS0	2	140	5700	Full	16.80	16.80	19.81	23.98		2.73		30	Pass
HE20	MCS0	2	140	5700	26/8	8.90	9.40	12.17	23.98		2.73		30	Pass
HE20	MCS0	2	140	5700	52/40	12.00	12.50	15.27	23.98		2.73		30	Pass
HE20	MCS0	2	140	5700	106/54	13.60	14.20	16.92	23.98		2.73		30	Pass
HE40	MCS0	2	102	5510	Full	16.40	16.10	19.26	23.98		2.73		30	Pass
HE40	MCS0	2	102	5510	242/61	14.90	14.90	17.91	23.98		2.73		30	Pass
HE40	MCS0	2	110	5550	Full	19.60	19.30	22.46	23.98		2.73		30	Pass
HE40	MCS0	2	110	5550	242/61	18.60	19.00	21.81	23.98		2.73		30	Pass
HE40	MCS0	2	134	5670	Full	19.50	18.60	22.08	23.98		2.73		30	Pass
HE40	MCS0	2	134	5670	242/62	14.60	13.90	17.27	23.98		2.73		30	Pass
HE80	MCS0	2	106	5530	Full	15.60	15.30	18.46	23.98		2.73		30	Pass
HE80	MCS0	2	106	5530	484/65	15.40	15.30	18.36	23.98		2.73		30	Pass
HE80	MCS0	2	122	5610	Full	19.30	18.50	21.93	23.98		2.73		30	Pass
HE80	MCS0	2	122	5610	484/66	15.10	14.70	17.91	23.98		2.73		30	Pass
HE160	MCS0	2	114	5570	Full	17.60	17.40	20.51	23.98		2.73		30	Pass
HE160	MCS0	2	114	5570	996/67	14.40	14.50	17.46	23.98		2.73		30	Pass
HE160	MCS0	2	114	5570	996/S67	14.30	13.80	17.07	23.98		2.73		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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full	20.20	19.70	22.97	22.97		2.73		30	Pass
HE20	MCS0	2	144	5720	26/8	10.60	10.20	13.41	22.97		2.73		30	Pass
HE20	MCS0	2	144	5720	52/40	13.60	12.80	16.23	22.97		2.73		30	Pass
HE20	MCS0	2	144	5720	106/54	16.50	16.40	19.46	22.97		2.73		30	Pass
HE40	MCS0	2	142	5710	Full	19.30	19.40	22.36	23.98		2.73		30	Pass
HE40	MCS0	2	142	5710	242/62	18.60	18.70	21.66	23.98		2.73		30	Pass
HE80	MCS0	2	138	5690	Full	20.30	19.80	23.07	23.98		2.73		30	Pass
HE80	MCS0	2	138	5690	484/66	19.80	19.70	22.76	23.98		2.73		30	Pass

TEST RESULTS DATA
Power Spectral Density

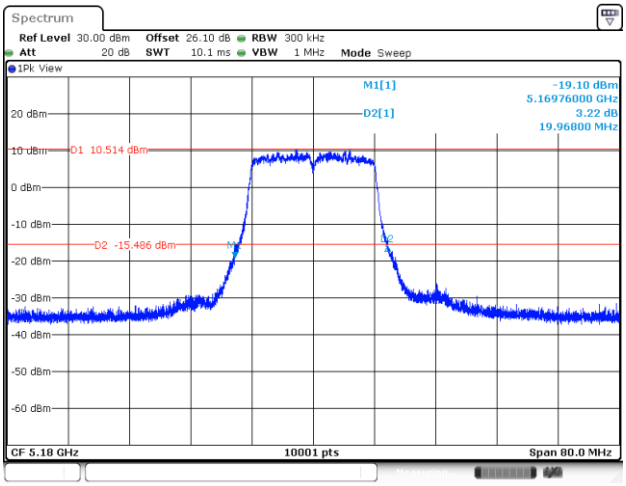
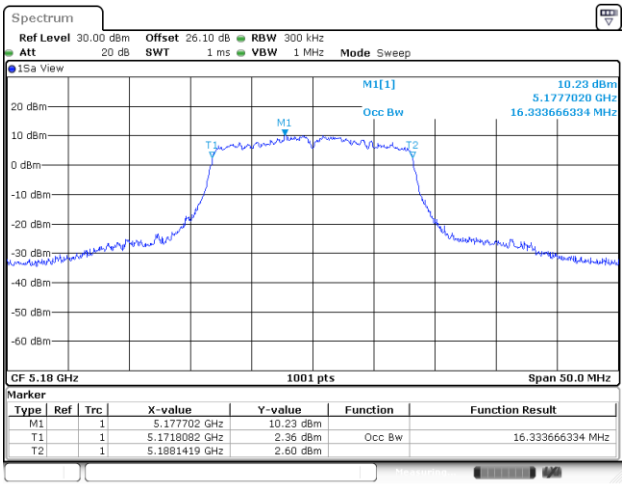
U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full	0.00	0.00			10.64	11.00		5.61			Pass
HE20	MCS0	2	100	5500	26/0	0.00	0.00			10.39	11.00		5.61			Pass
HE20	MCS0	2	100	5500	52/37	0.00	0.00			10.20	11.00		5.61			Pass
HE20	MCS0	2	100	5500	106/53	0.00	0.00			9.60	11.00		5.61			Pass
HE20	MCS0	2	116	5580	Full	0.00	0.00			10.51	11.00		5.61			Pass
HE20	MCS0	2	116	5580	26/4	0.00	0.00			10.43	11.00		5.61			Pass
HE20	MCS0	2	116	5580	52/38	0.00	0.00			10.26	11.00		5.61			Pass
HE20	MCS0	2	116	5580	106/53	0.00	0.00			10.34	11.00		5.61			Pass
HE20	MCS0	2	140	5700	Full	0.00	0.00			9.00	11.00		5.61			Pass
HE20	MCS0	2	140	5700	26/8	0.00	0.00			8.75	11.00		5.61			Pass
HE20	MCS0	2	140	5700	52/40	0.00	0.00			8.90	11.00		5.61			Pass
HE20	MCS0	2	140	5700	106/54	0.00	0.00			7.58	11.00		5.61			Pass
HE40	MCS0	2	102	5510	Full	0.00	0.00	-		5.62	11.00		5.61		-	Pass
HE40	MCS0	2	102	5510	242/61	0.00	0.00			4.80	11.00		5.61			Pass
HE40	MCS0	2	110	5550	Full	0.00	0.00			8.74	11.00		5.61			Pass
HE40	MCS0	2	110	5550	242/61	0.00	0.00			8.48	11.00		5.61			Pass
HE40	MCS0	2	134	5670	Full	0.00	0.00			8.56	11.00		5.61			Pass
HE40	MCS0	2	134	5670	242/62	0.00	0.00			4.14	11.00		5.61			Pass
HE80	MCS0	2	106	5530	Full	0.03	0.04			2.71	11.00		5.61			Pass
HE80	MCS0	2	106	5530	484/65	0.04	0.03			2.17	11.00		5.61			Pass
HE80	MCS0	2	122	5610	Full	0.03	0.04			6.16	11.00		5.61			Pass
HE80	MCS0	2	122	5610	484/66	0.04	0.03			1.76	11.00		5.61			Pass
HE160	MCS0	2	114	5570	Full	0.03	0.03			1.22	11.00		5.61			Pass
HE160	MCS0	2	114	5570	996/67	0.10	0.10			-1.71	11.00		5.61			Pass
HE160	MCS0	2	114	5570	996/S67	0.10	0.10			-2.00	11.00		5.61			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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full	0.00	0.00			10.32	11.00		5.61			Pass
HE20	MCS0	2	144	5720	26/8	0.00	0.00			10.14	11.00		5.61			Pass
HE20	MCS0	2	144	5720	52/40	0.00	0.00			10.00	11.00		5.61			Pass
HE20	MCS0	2	144	5720	106/54	0.00	0.00			10.28	11.00		5.61			Pass
HE40	MCS0	2	142	5710	Full	0.00	0.00	-		8.52	11.00		5.61		-	Pass
HE40	MCS0	2	142	5710	242/62	0.00	0.00			8.51	11.00		5.61			Pass
HE80	MCS0	2	138	5690	Full	0.03	0.04			7.30	11.00		5.61			Pass
HE80	MCS0	2	138	5690	484/66	0.04	0.03			6.72	11.00		5.61			Pass

Test Result of 26dB & 99% Occupied Bandwidth

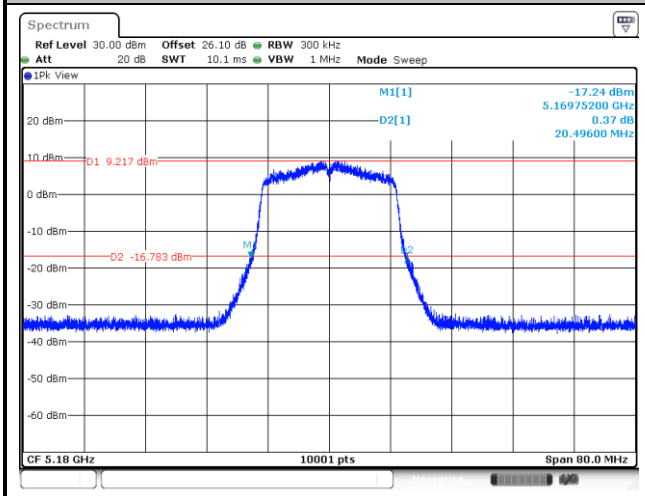
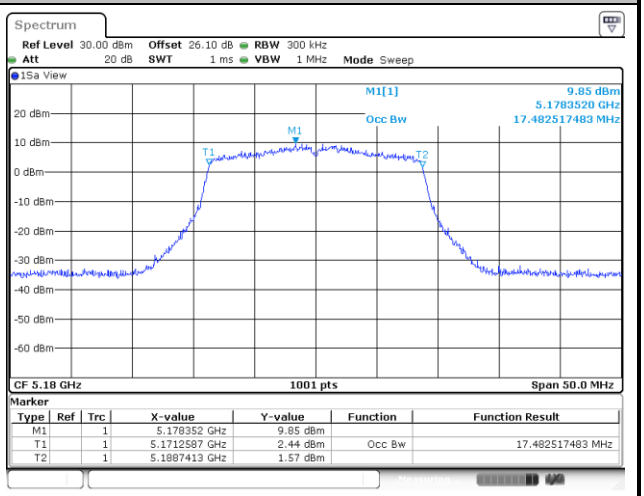
MIMO <Ant.0+1>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

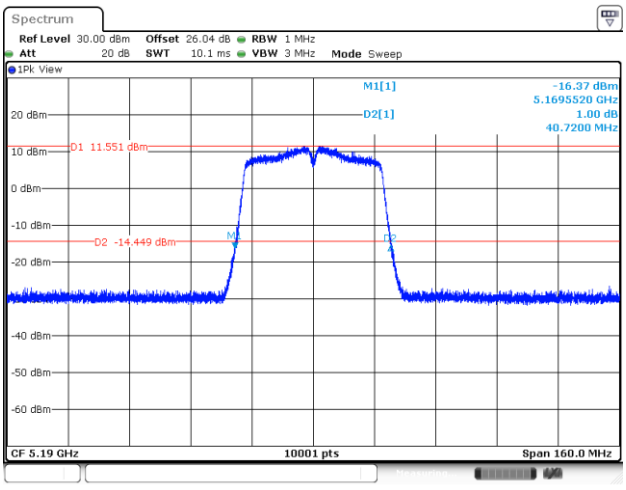
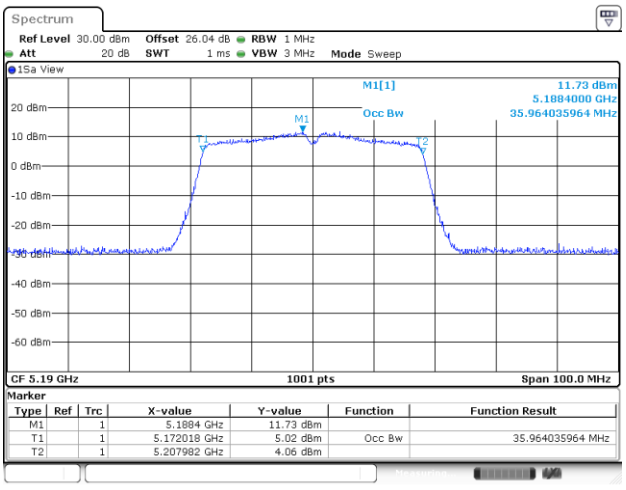
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

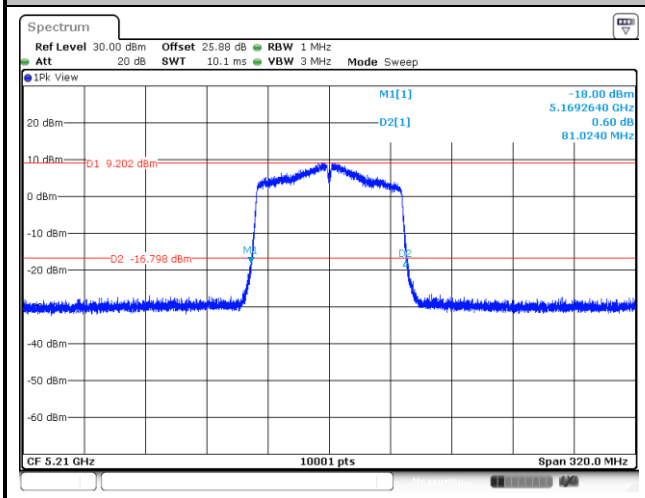
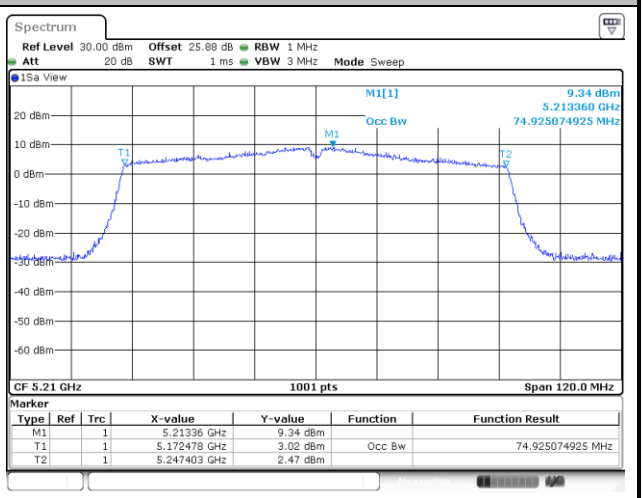
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

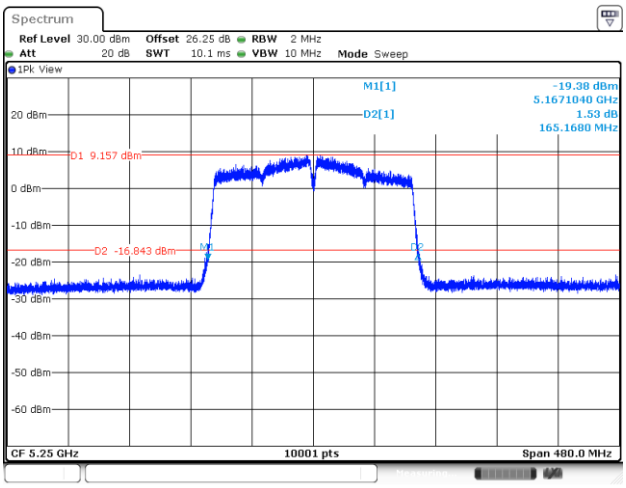
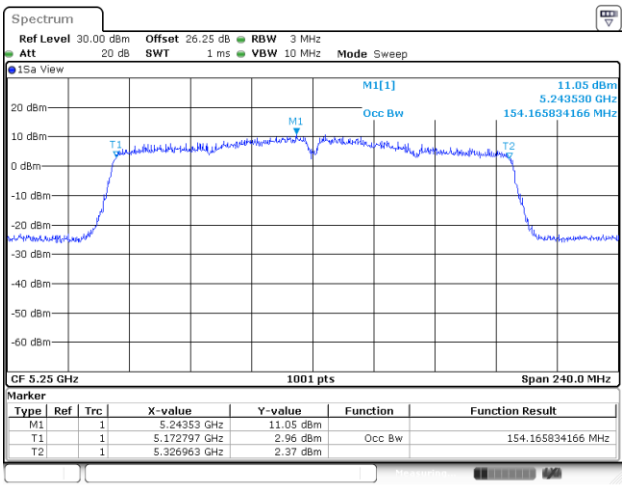
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

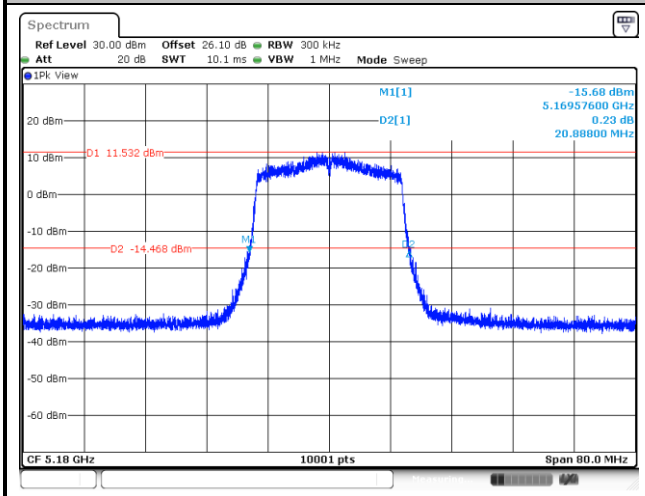
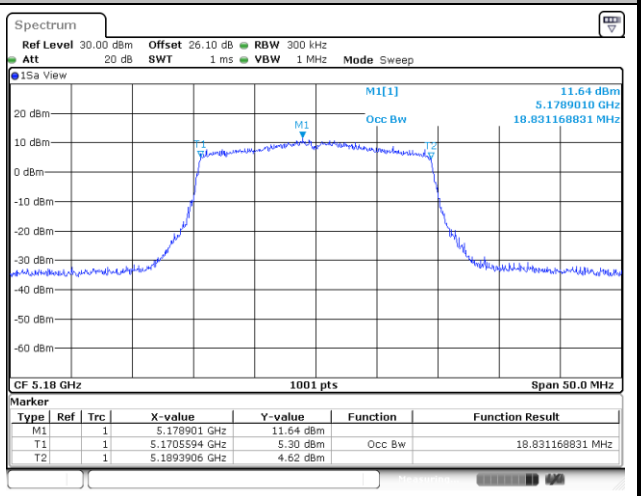
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

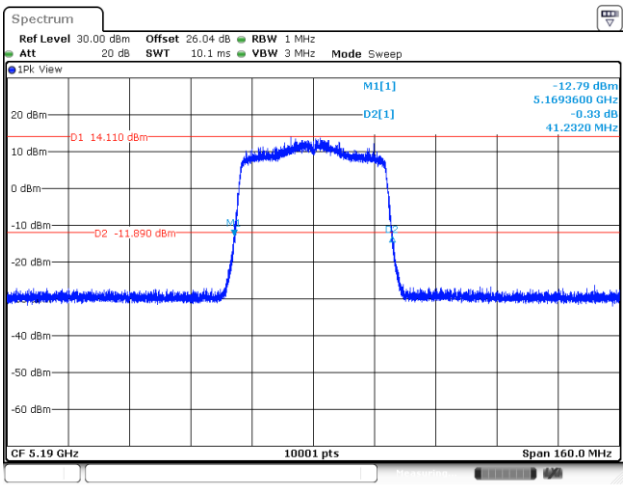
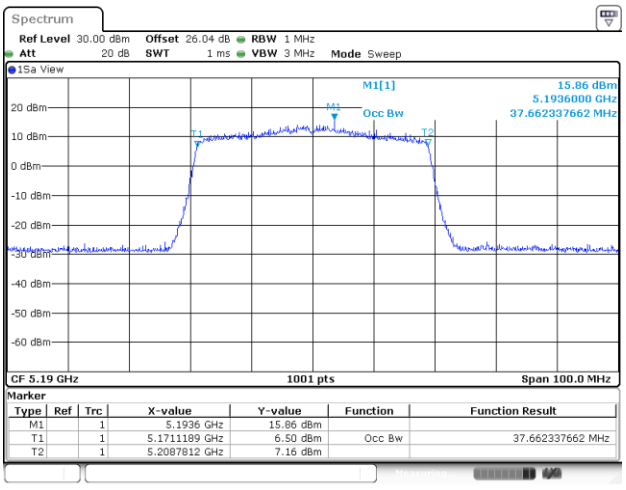
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

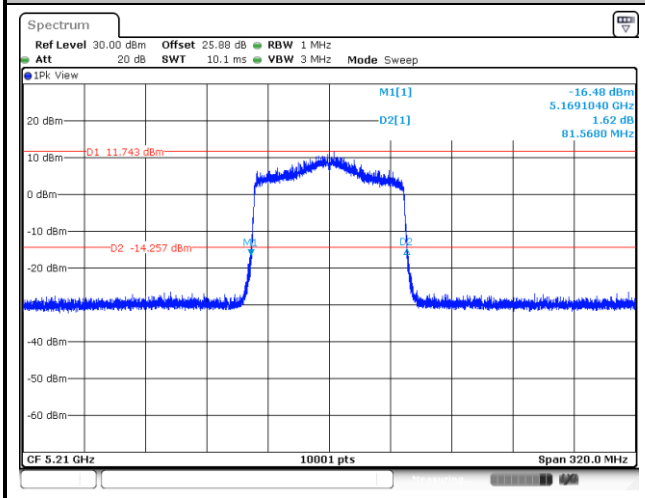
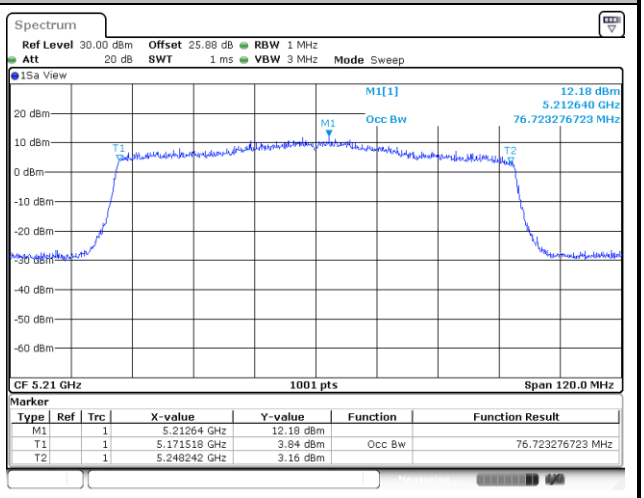
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

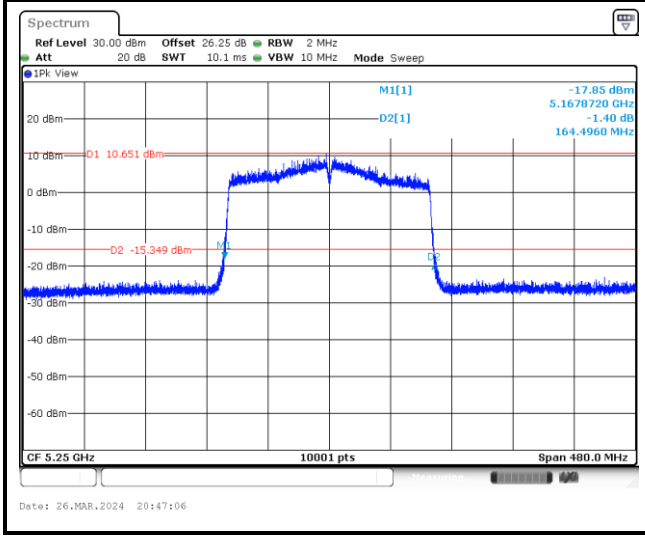
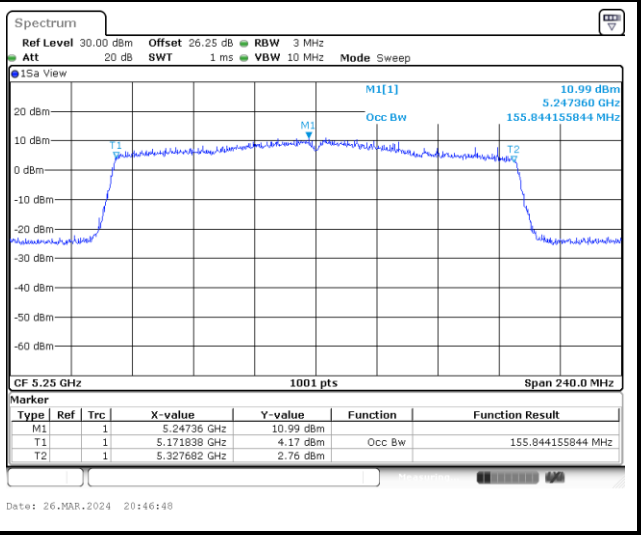
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

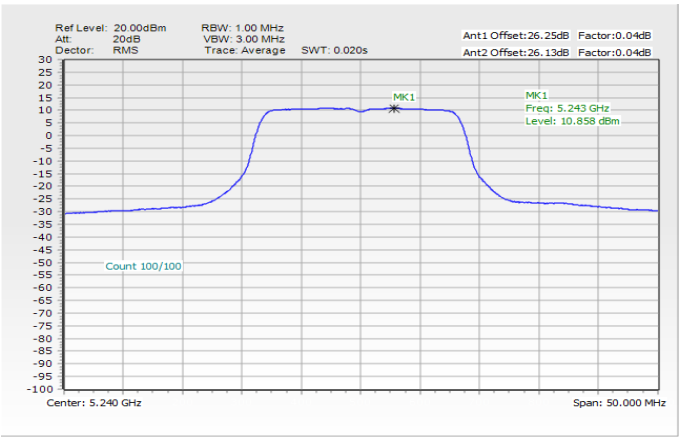
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

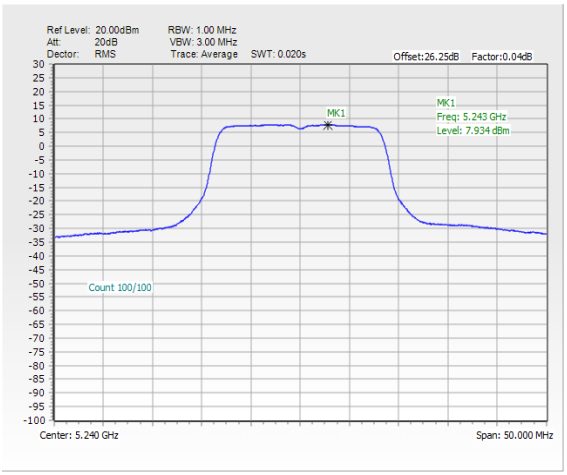
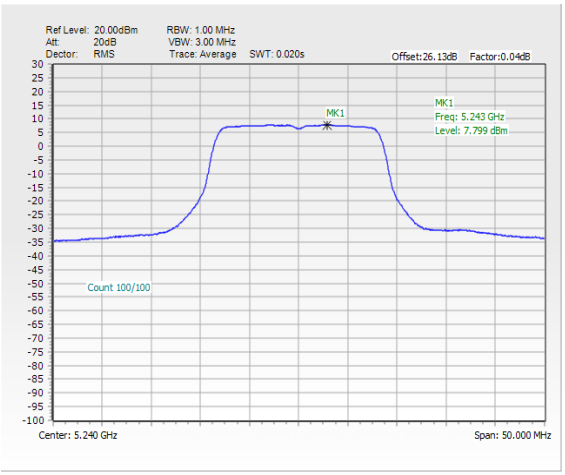
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

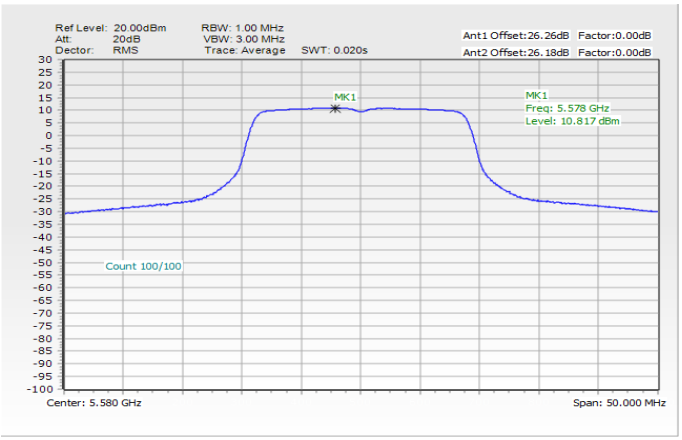
<802.11a>

Maximum Power Density Plot (dBm/MHz)


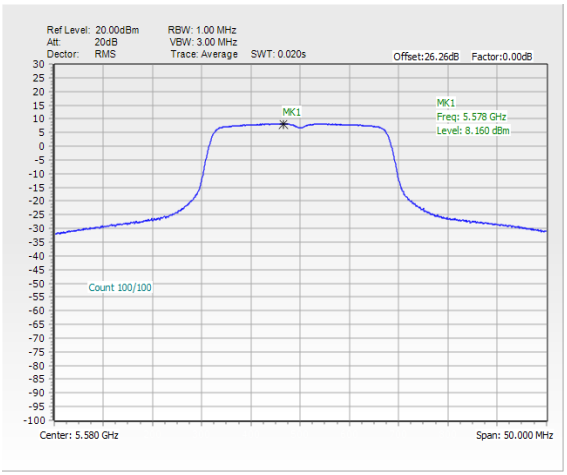
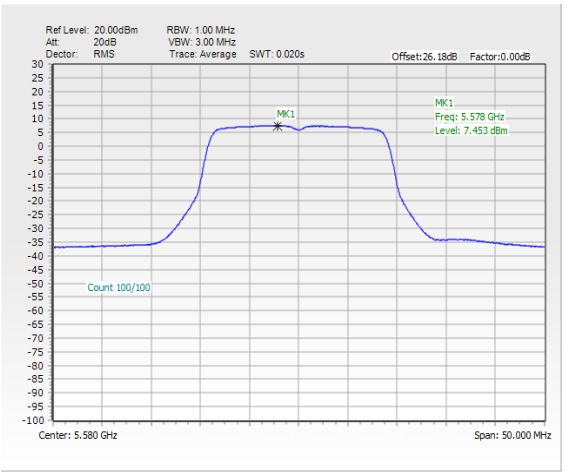
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

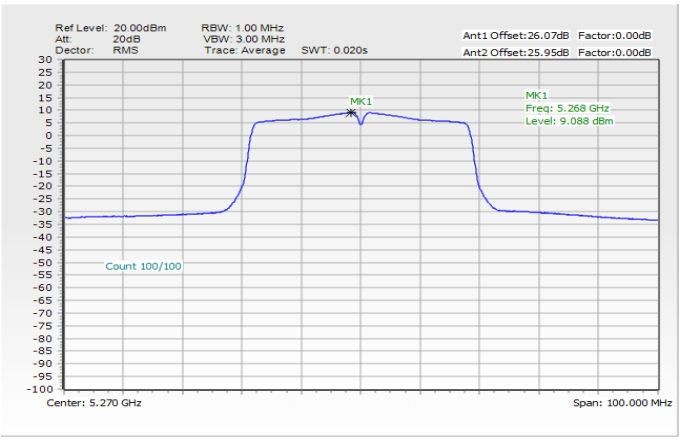
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)


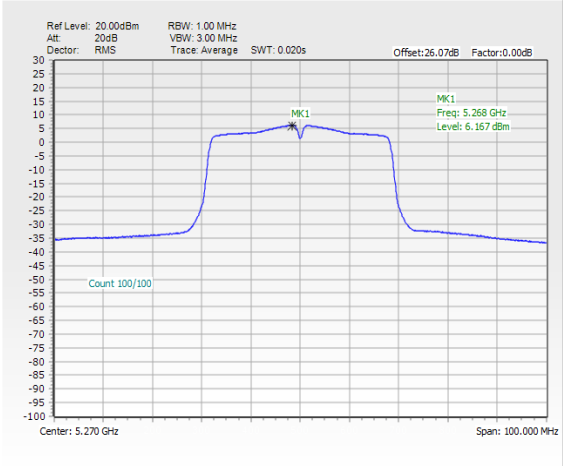
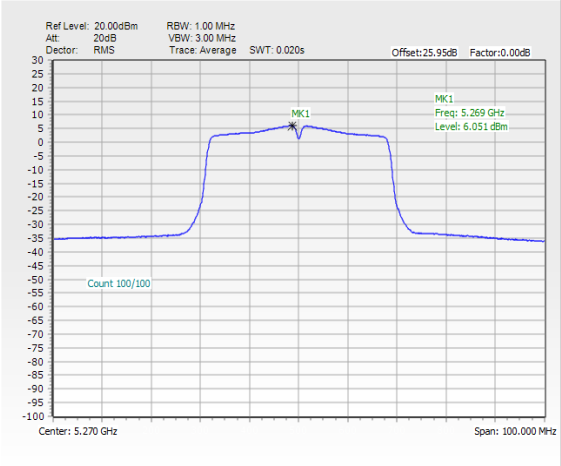
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

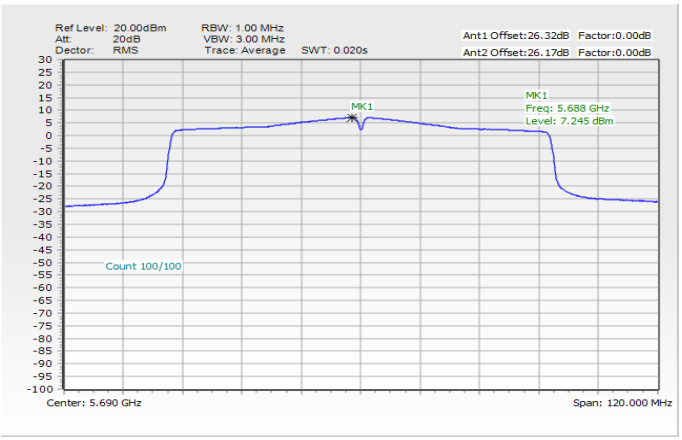
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)


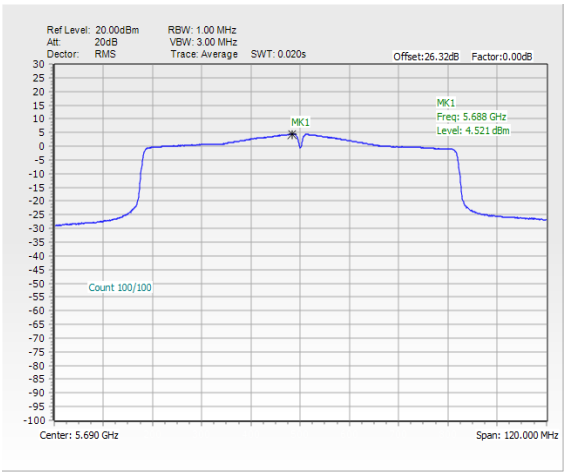
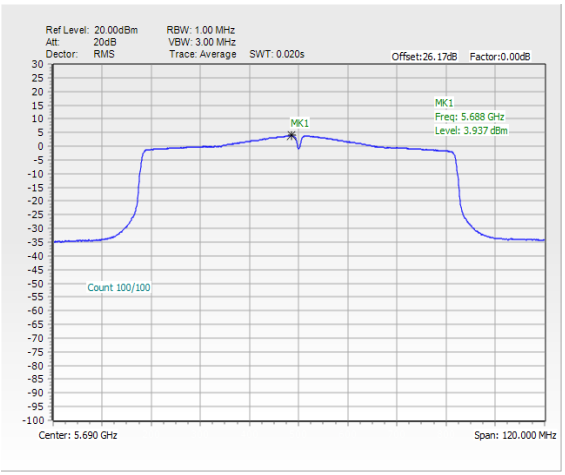
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

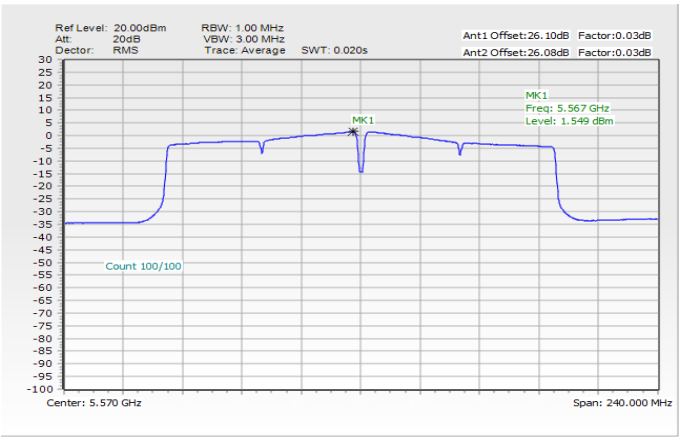
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


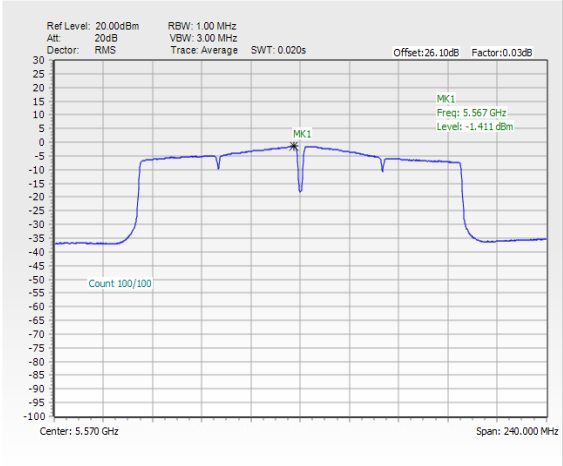
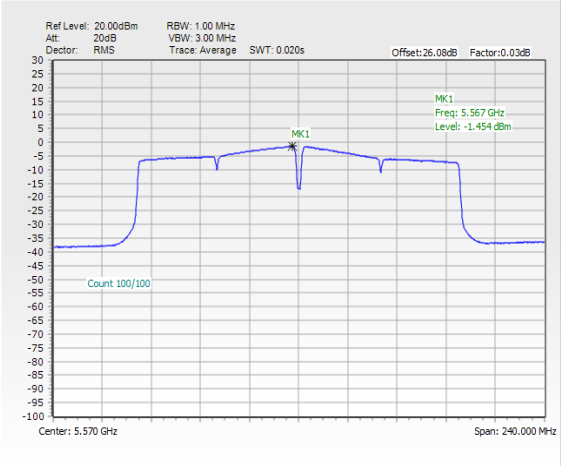
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

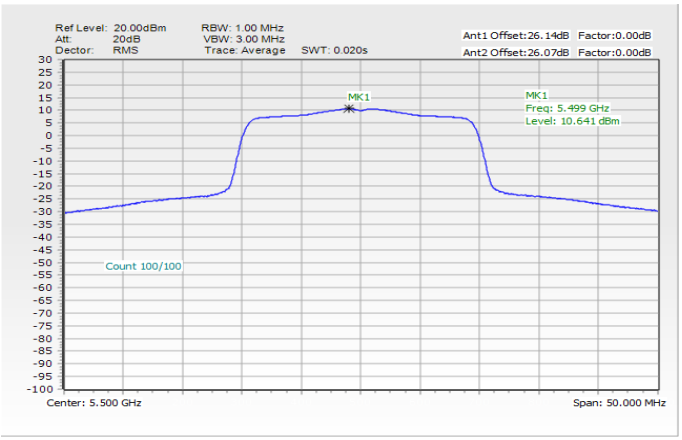
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


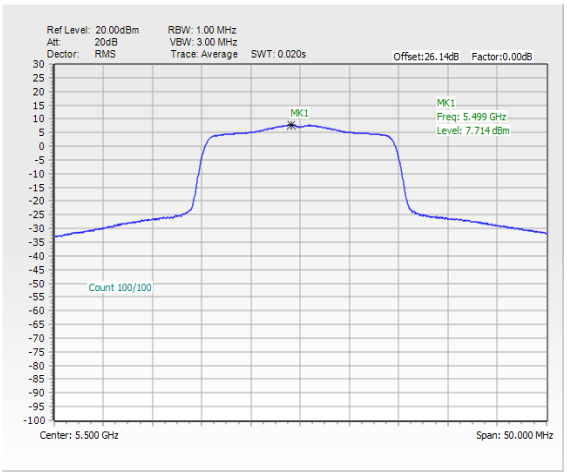
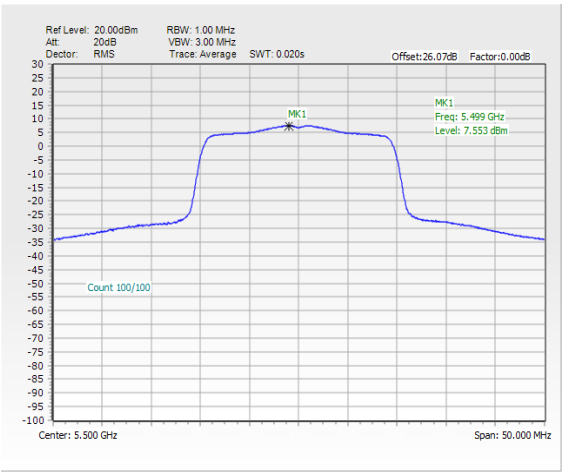
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

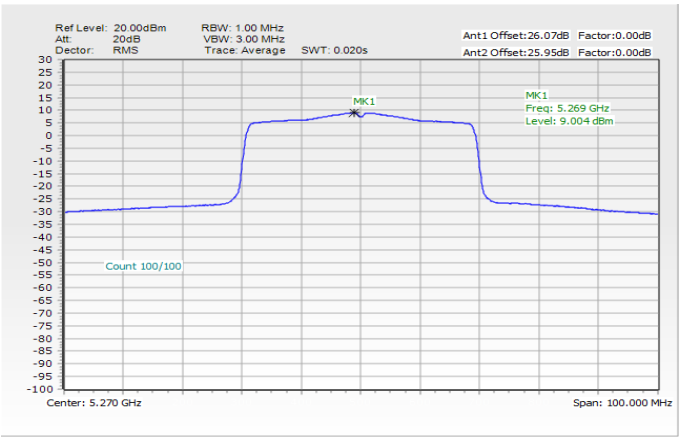
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


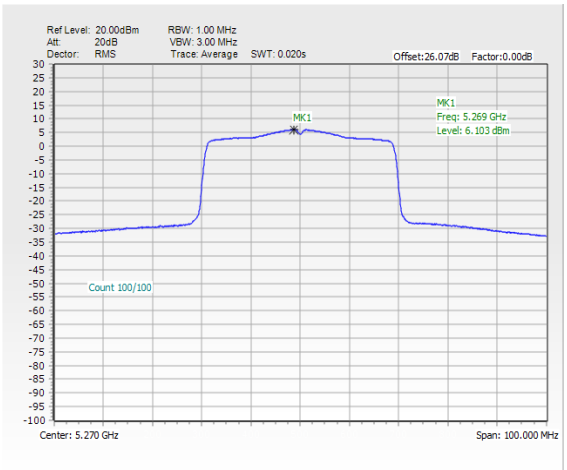
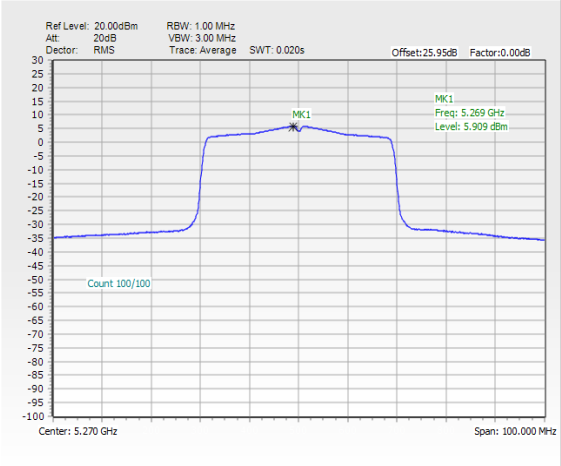
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

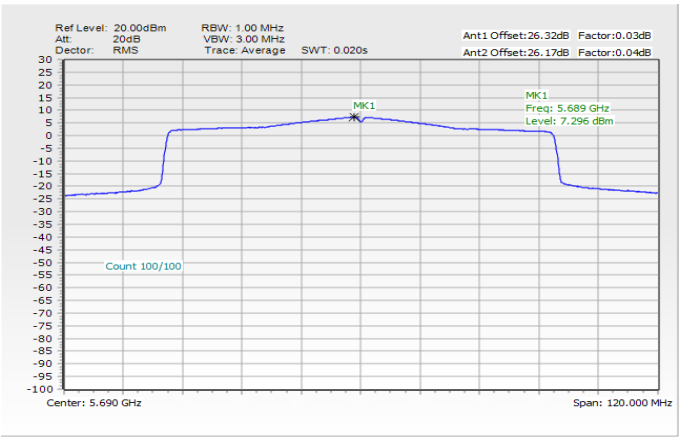
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


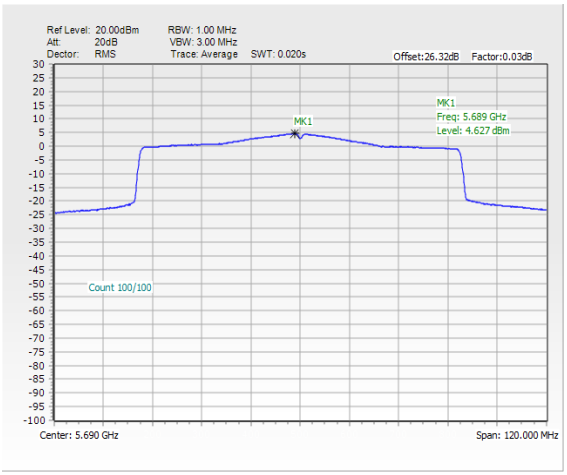
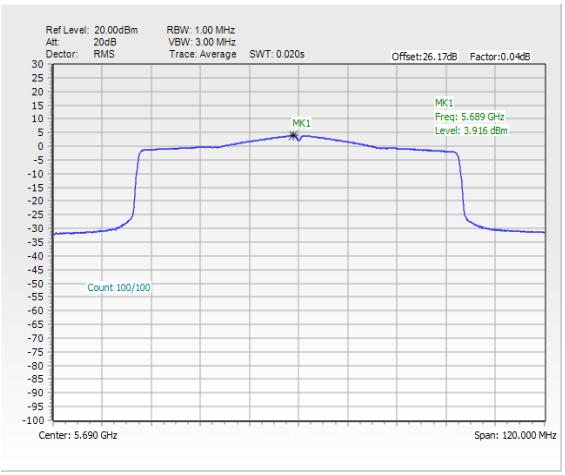
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

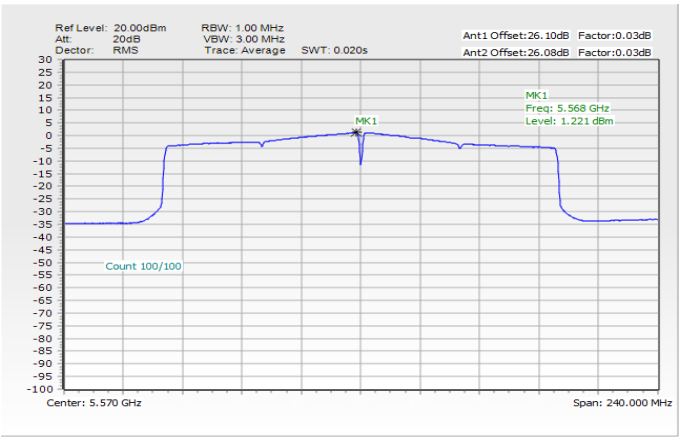
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


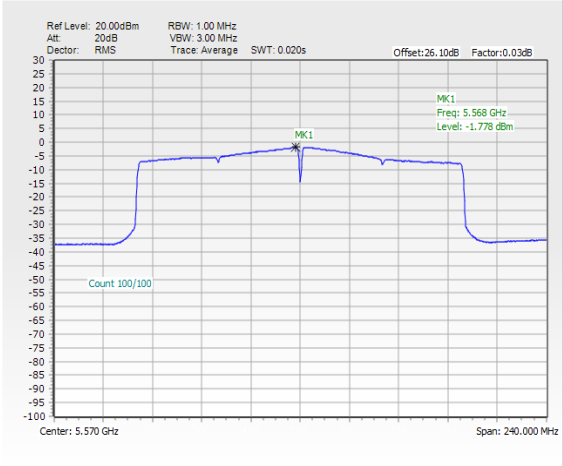
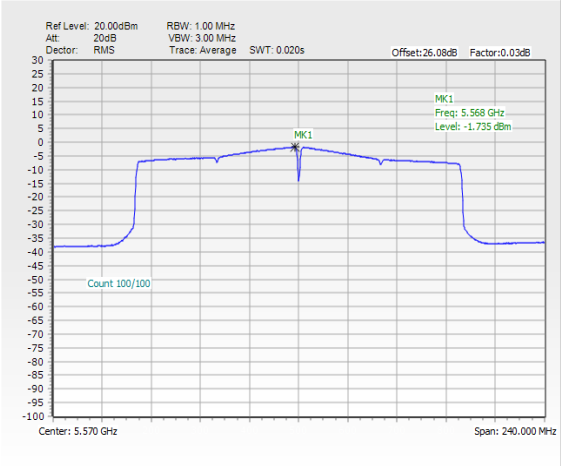
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


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

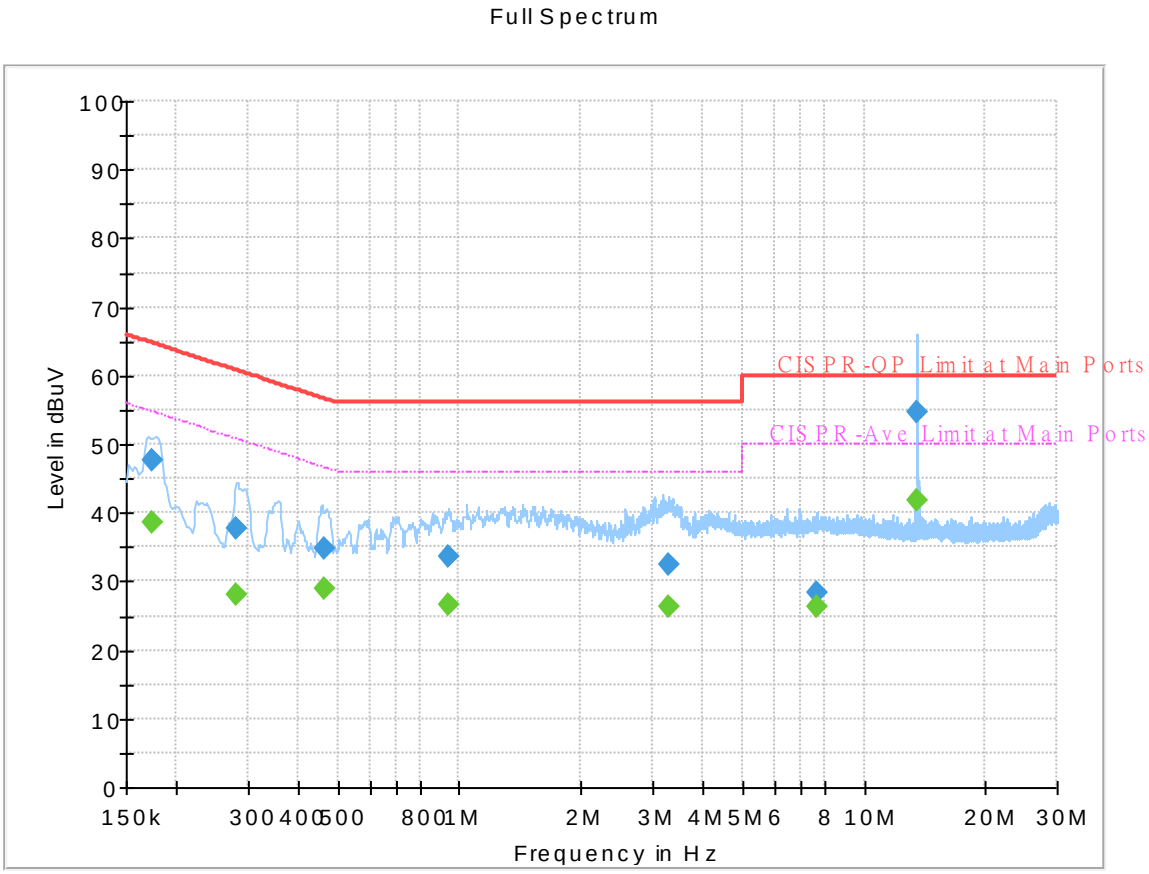
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)
	

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	422224
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

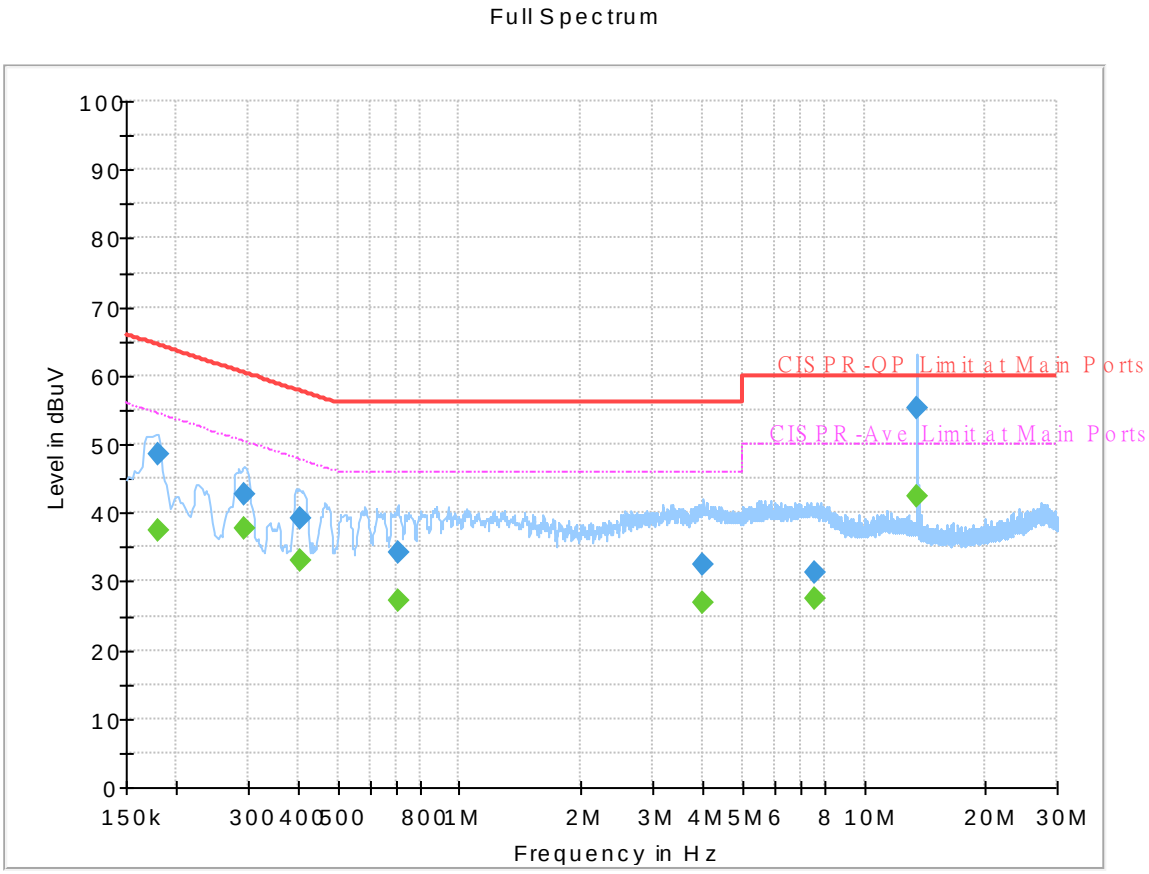


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	38.51	54.73	16.22	L1	OFF	19.8
0.174750	47.70	---	64.73	17.03	L1	OFF	19.8
0.280500	---	27.99	50.80	22.81	L1	OFF	19.8
0.280500	37.72	---	60.80	23.08	L1	OFF	19.8
0.462750	---	28.87	46.64	17.77	L1	OFF	19.8
0.462750	34.82	---	56.64	21.82	L1	OFF	19.8
0.937500	---	26.60	46.00	19.40	L1	OFF	19.8
0.937500	33.53	---	56.00	22.47	L1	OFF	19.8
3.291000	---	26.26	46.00	19.74	L1	OFF	19.9
3.291000	32.48	---	56.00	23.52	L1	OFF	19.9
7.647000	---	26.26	50.00	23.74	L1	OFF	20.1
7.647000	28.41	---	60.00	31.59	L1	OFF	20.1
13.560000	---	41.90	50.00	8.10	L1	OFF	20.2
13.560000	54.66	---	60.00	5.34	L1	OFF	20.2

EUT Information

Report NO :	422224
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	37.29	54.52	17.23	N	OFF	19.8
0.179250	48.41	---	64.52	16.11	N	OFF	19.8
0.294000	---	37.84	50.41	12.57	N	OFF	19.8
0.294000	42.67	---	60.41	17.74	N	OFF	19.8
0.404250	---	33.01	47.77	14.76	N	OFF	19.8
0.404250	39.26	---	57.77	18.51	N	OFF	19.8
0.703500	---	27.25	46.00	18.75	N	OFF	19.8
0.703500	34.18	---	56.00	21.82	N	OFF	19.8
4.011000	---	27.01	46.00	18.99	N	OFF	20.0
4.011000	32.55	---	56.00	23.45	N	OFF	20.0
7.559250	---	27.48	50.00	22.52	N	OFF	20.1
7.559250	31.38	---	60.00	28.62	N	OFF	20.1
13.560000	---	42.47	50.00	7.53	N	OFF	20.3
13.560000	55.25	---	60.00	4.75	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	18.5~24.1°C
		Relative Humidity :	43.8~62.2%

MIMO <Ant. 0+1>

<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.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	59.12	-14.88	74	46.38	34.3	12.33	33.89	100	280	P	H
		5149.76	50.74	-3.26	54	38	34.3	12.33	33.89	100	280	A	H
	*	5180	111.68	-	-	98.76	34.42	12.39	33.89	100	280	P	H
	*	5180	104.84	-	-	91.92	34.42	12.39	33.89	100	280	A	H
													H
		5150	56.92	-17.08	74	44.17	34.3	12.34	33.89	109	133	P	V
		5150	50.82	-3.18	54	38.07	34.3	12.34	33.89	109	133	A	V
	*	5180	112.36	-	-	99.44	34.42	12.39	33.89	109	133	P	V
	*	5180	106.77	-	-	93.85	34.42	12.39	33.89	109	133	A	V
													V
802.11a CH 44 5220MHz		5148.98	58.59	-15.41	74	45.86	34.29	12.33	33.89	383	108	P	H
		5149.76	50.39	-3.61	54	37.65	34.3	12.33	33.89	383	108	A	H
	*	5220	106.11	-	-	92.99	34.58	12.43	33.89	383	108	P	H
	*	5220	100.99	-	-	87.87	34.58	12.43	33.89	383	108	A	H
		5402.88	50.54	-23.46	74	37.15	34.71	12.56	33.88	383	108	P	H
		5459.72	41.03	-12.97	54	27.47	34.8	12.63	33.87	383	108	A	H
		5144.04	60.59	-13.41	74	47.9	34.26	12.32	33.89	102	128	P	V
		5150	52.21	-1.79	54	39.46	34.3	12.34	33.89	102	128	A	V
	*	5220	114.26	-	-	101.14	34.58	12.43	33.89	102	128	P	V
	*	5220	108.36	-	-	95.24	34.58	12.43	33.89	102	128	A	V
		5356.12	51.33	-22.67	74	37.89	34.79	12.53	33.88	102	128	P	V
		5350	41.87	-12.13	54	28.42	34.8	12.53	33.88	102	128	A	V

802.11a CH 48 5240MHz		5146.38	55.95	-18.05	74	43.23	34.28	12.33	33.89	400	93	P	H
		5149.24	47.37	-6.63	54	34.63	34.3	12.33	33.89	400	93	A	H
	*	5240	111.13	-	-	97.91	34.66	12.45	33.89	400	93	P	H
	*	5240	104.05	-	-	90.83	34.66	12.45	33.89	400	93	A	H
		5358.08	50.5	-23.5	74	37.07	34.78	12.53	33.88	400	93	P	H
		5351.64	41.89	-12.11	54	28.44	34.8	12.53	33.88	400	93	A	H
		5148.98	60.03	-13.97	74	47.3	34.29	12.33	33.89	103	128	P	V
		5150	50.29	-3.71	54	37.54	34.3	12.34	33.89	103	128	A	V
	*	5240	113.93	-	-	100.71	34.66	12.45	33.89	103	128	P	V
	*	5240	107.79	-	-	94.57	34.66	12.45	33.89	103	128	A	V
		5352.76	56.23	-17.77	74	42.79	34.79	12.53	33.88	103	128	P	V
		5350	46.52	-7.48	54	33.07	34.8	12.53	33.88	103	128	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	44.01	-24.19	68.2	46.82	37.48	18.66	58.95	-	-	P	H
		15540	55.08	-18.92	74	48.43	40.18	22.73	56.26	208	298	P	H
		15540	48.54	-5.46	54	41.89	40.18	22.73	56.26	208	298	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	44.69	-23.51	68.2	47.5	37.48	18.66	58.95	-	-	P	V
		15540	51.74	-22.26	74	45.09	40.18	22.73	56.26	100	136	P	V
		15540	44.56	-9.44	54	37.91	40.18	22.73	56.26	100	136	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		10440	45.5	-22.7	68.2	48.25	37.4	18.71	58.86	-	-	P	H
		15660	48.82	-25.18	74	41.71	40.58	22.84	56.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	48.38	-19.82	68.2	51.13	37.4	18.71	58.86	-	-	P	V
		15660	49.15	-24.85	74	42.04	40.58	22.84	56.31	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	46.88	-21.32	68.2	49.5	37.46	18.74	58.82	-	-	P	H
		15720	50.6	-23.4	74	43.11	40.94	22.88	56.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	50.37	-17.83	68.2	52.99	37.46	18.74	58.82	-	-	P	V
		15720	49.82	-24.18	74	42.33	40.94	22.88	56.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5150	58.45	-15.55	74	45.7	34.3	12.34	33.89	100	273	P	H
		5150	49.5	-4.5	54	36.75	34.3	12.34	33.89	100	273	A	H
	*	5180	109.71	-	-	96.79	34.42	12.39	33.89	100	273	P	H
	*	5180	103.4	-	-	90.48	34.42	12.39	33.89	100	273	A	H
													H
													H
		5146.12	60.31	-13.69	74	47.59	34.28	12.33	33.89	103	127	P	V
		5150	49.57	-4.43	54	36.82	34.3	12.34	33.89	103	127	A	V
	*	5180	111.41	-	-	98.49	34.42	12.39	33.89	103	127	P	V
	*	5180	104.69	-	-	91.77	34.42	12.39	33.89	103	127	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5148.2	61.89	-12.11	74	49.16	34.29	12.33	33.89	381	102	P	H
		5149.76	50.56	-3.44	54	37.82	34.3	12.33	33.89	381	102	A	H
	*	5220	108.26	-	-	95.14	34.58	12.43	33.89	381	102	P	H
	*	5220	100.69	-	-	87.57	34.58	12.43	33.89	381	102	A	H
		5361.44	49.74	-24.26	74	36.31	34.78	12.53	33.88	381	102	P	H
		5351.64	41.25	-12.75	54	27.8	34.8	12.53	33.88	381	102	A	H
		5146.12	62.77	-11.23	74	50.05	34.28	12.33	33.89	100	127	P	V
		5149.76	51.47	-2.53	54	38.73	34.3	12.33	33.89	100	127	A	V
	*	5220	115.08	-	-	101.96	34.58	12.43	33.89	100	127	P	V
	*	5220	106.53	-	-	93.41	34.58	12.43	33.89	100	127	A	V
		5361.72	53.39	-20.61	74	39.96	34.78	12.53	33.88	100	127	P	V
		5350.24	43.06	-10.94	54	29.61	34.8	12.53	33.88	100	127	A	V

802.11ax HE20 Full CH 48 5240MHz		5147.94	60.56	-13.44	74	47.83	34.29	12.33	33.89	380	95	P	H
		5150	48.7	-5.3	54	35.95	34.3	12.34	33.89	380	95	A	H
	*	5240	109.74	-	-	96.52	34.66	12.45	33.89	380	95	P	H
	*	5240	103	-	-	89.78	34.66	12.45	33.89	380	95	A	H
		5359.76	54.43	-19.57	74	41	34.78	12.53	33.88	380	95	P	H
		5350.24	42.79	-11.21	54	29.34	34.8	12.53	33.88	380	95	A	H
		5145.6	63.55	-10.45	74	50.84	34.27	12.33	33.89	101	129	P	V
		5150	49.91	-4.09	54	37.16	34.3	12.34	33.89	101	129	A	V
	*	5240	112.01	-	-	98.79	34.66	12.45	33.89	101	129	P	V
	*	5240	105.45	-	-	92.23	34.66	12.45	33.89	101	129	A	V
		5350.52	59.24	-14.76	74	45.79	34.8	12.53	33.88	101	129	P	V
		5350.24	46.44	-7.56	54	32.99	34.8	12.53	33.88	101	129	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	45.26	-22.94	68.2	48.07	37.48	18.66	58.95	-	-	P	H
		15540	48.41	-25.59	74	41.76	40.18	22.73	56.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	44.99	-23.21	68.2	47.8	37.48	18.66	58.95	-	-	P	V
5180MHz		15540	56.16	-17.84	74	49.51	40.18	22.73	56.26	100	132	P	V
		15540	46.79	-7.21	54	40.14	40.18	22.73	56.26	100	132	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	46.62	-21.58	68.2	49.37	37.4	18.71	58.86	-	-	P	H
		15660	50.58	-23.42	74	43.47	40.58	22.84	56.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	45.62	-22.58	68.2	48.37	37.4	18.71	58.86	-	-	P	V
5220MHz		15660	54.96	-19.04	74	47.85	40.58	22.84	56.31	100	131	P	V
		15660	44.43	-9.57	54	37.32	40.58	22.84	56.31	100	131	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	45.43	-22.77	68.2	48.05	37.46	18.74	58.82	-	-	P	H
		15720	50.04	-23.96	74	42.55	40.94	22.88	56.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	46.24	-21.96	68.2	48.86	37.46	18.74	58.82	-	-	P	V
5240MHz		15720	51.59	-22.41	74	44.1	40.94	22.88	56.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5079.56	50.39	-23.61	74	38.07	34	12.22	33.9	400	101	P	H
		5148.46	45.18	-8.82	54	32.45	34.29	12.33	33.89	400	101	A	H
	*	5180	109.24	-	-	96.32	34.42	12.39	33.89	400	101	P	H
	*	5180	102.87	-	-	89.95	34.42	12.39	33.89	400	101	A	H
													H
													H
		5141.7	54.04	-19.96	74	41.36	34.25	12.32	33.89	100	162	P	V
		5149.5	45.25	-8.75	54	32.51	34.3	12.33	33.89	100	162	A	V
	*	5180	111.5	-	-	98.58	34.42	12.39	33.89	100	162	P	V
	*	5180	104.51	-	-	91.59	34.42	12.39	33.89	100	162	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.72	59.4	-14.6	74	46.67	34.29	12.33	33.89	363	106	P	H
		5148.72	51.53	-2.47	54	38.8	34.29	12.33	33.89	363	106	A	H
	*	5190	106.17	-	-	93.2	34.46	12.4	33.89	363	106	P	H
	*	5190	99.04	-	-	86.07	34.46	12.4	33.89	363	106	A	H
		5411	50.16	-23.84	74	36.75	34.72	12.57	33.88	363	106	P	H
		5453.56	41.02	-12.98	54	27.47	34.8	12.62	33.87	363	106	A	H
		5144.04	56.39	-17.61	74	43.7	34.26	12.32	33.89	113	127	P	V
		5150	51.23	-2.77	54	38.48	34.3	12.34	33.89	113	127	A	V
	*	5190	109.59	-	-	96.62	34.46	12.4	33.89	113	127	P	V
	*	5190	102.19	-	-	89.22	34.46	12.4	33.89	113	127	A	V
		5357.8	50.18	-23.82	74	36.75	34.78	12.53	33.88	113	127	P	V
		5455.24	41.03	-12.97	54	27.48	34.8	12.62	33.87	113	127	A	V
802.11ax HE40 Full CH 46 5230MHz		5148.72	57.98	-16.02	74	45.25	34.29	12.33	33.89	100	282	P	H
		5148.46	48.05	-5.95	54	35.32	34.29	12.33	33.89	100	282	A	H
	*	5230	111.13	-	-	97.96	34.62	12.44	33.89	100	282	P	H
	*	5230	103.75	-	-	90.58	34.62	12.44	33.89	100	282	A	H
		5370.12	52.03	-21.97	74	38.61	34.76	12.54	33.88	100	282	P	H
		5350	42.83	-11.17	54	29.38	34.8	12.53	33.88	100	282	A	H
		5140.66	56.98	-17.02	74	44.31	34.24	12.32	33.89	100	127	P	V
		5150	48.63	-5.37	54	35.88	34.3	12.34	33.89	100	127	A	V
	*	5230	112.8	-	-	99.63	34.62	12.44	33.89	100	127	P	V
	*	5230	105.23	-	-	92.06	34.62	12.44	33.89	100	127	A	V
		5351.64	53.51	-20.49	74	40.06	34.8	12.53	33.88	100	127	P	V
		5351.92	43.63	-10.37	54	30.18	34.8	12.53	33.88	100	127	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	44.57	-23.63	68.2	47.39	37.44	18.67	58.93	-	-	P	H
		15570	47.79	-26.21	74	41.02	40.28	22.76	56.27	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	44.94	-23.26	68.2	47.76	37.44	18.67	58.93	-	-	P	V
5190MHz		15570	49.36	-24.64	74	42.59	40.28	22.76	56.27	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 46 5230MHz		10460	45.32	-22.88	68.2	48.01	37.42	18.73	58.84	-	-	P	H
		15690	54.6	-19.4	74	47.24	40.82	22.86	56.32	100	195	P	H
		15690	45.16	-8.84	54	37.8	40.82	22.86	56.32	100	195	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10460	46.08	-22.12	68.2	48.77	37.42	18.73	58.84	-	-	P	V
		15690	56.02	-17.98	74	48.66	40.82	22.86	56.32	100	124	P	V
		15690	46.87	-7.13	54	39.51	40.82	22.86	56.32	100	124	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5131.04	65.34	-8.66	74	52.74	34.19	12.3	33.89	109	269	P	H
		5150	51.76	-2.24	54	39.01	34.3	12.34	33.89	109	269	A	H
	*	5190	109.55	-	-	96.58	34.46	12.4	33.89	109	269	P	H
	*	5190	99.72	-	-	86.75	34.46	12.4	33.89	109	269	A	H
		5441.24	50.95	-23.05	74	37.43	34.78	12.61	33.87	109	269	P	H
		5452.72	41.23	-12.77	54	27.68	34.8	12.62	33.87	109	269	A	H
		5137.28	65.92	-8.08	74	53.28	34.22	12.31	33.89	100	125	P	V
		5150	52.41	-1.59	54	39.66	34.3	12.34	33.89	100	125	A	V
	*	5190	109.67	-	-	96.7	34.46	12.4	33.89	100	125	P	V
	*	5190	101.18	-	-	88.21	34.46	12.4	33.89	100	125	A	V
		5437.6	50.3	-23.7	74	36.79	34.78	12.6	33.87	100	125	P	V
		5449.36	41.33	-12.67	54	27.79	34.8	12.61	33.87	100	125	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5148.72	60.25	-13.75	74	47.52	34.29	12.33	33.89	100	285	P	H
		5148.46	51.2	-2.8	54	38.47	34.29	12.33	33.89	100	285	A	H
	*	5210	105.27	-	-	92.19	34.54	12.43	33.89	100	285	P	H
	*	5210	97.73	-	-	84.65	34.54	12.43	33.89	100	285	A	H
		5371.8	50.95	-23.05	74	37.53	34.76	12.54	33.88	100	285	P	H
		5351.92	41.24	-12.76	54	27.79	34.8	12.53	33.88	100	285	A	H
		5143.78	59.45	-14.55	74	46.76	34.26	12.32	33.89	100	127	P	V
		5144.82	51.7	-2.3	54	38.99	34.27	12.33	33.89	100	127	A	V
	*	5210	106.79	-	-	93.71	34.54	12.43	33.89	100	127	P	V
	*	5210	99.87	-	-	86.79	34.54	12.43	33.89	100	127	A	V
		5390.28	50.28	-23.72	74	36.89	34.72	12.55	33.88	100	127	P	V
		5355.56	41.62	-12.38	54	28.18	34.79	12.53	33.88	100	127	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	45.8	-22.4	68.2	48.58	37.4	18.7	58.88	-	-	P	H
		15630	48.57	-25.43	74	41.6	40.46	22.8	56.29	-	-	P	H
													H
													H
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													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	45.54	-22.66	68.2	48.32	37.4	18.7	58.88	-	-	P	V
5210MHz		15630	47.97	-26.03	74	41	40.46	22.8	56.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5142.48	69.01	-4.99	74	56.33	34.25	12.32	33.89	100	271	P	H
		5149.24	51.87	-2.13	54	39.13	34.3	12.33	33.89	100	271	A	H
	*	5210	103.47	-	-	90.39	34.54	12.43	33.89	100	271	P	H
	*	5210	97.08	-	-	84	34.54	12.43	33.89	100	271	A	H
		5457.48	51.63	-22.37	74	38.08	34.8	12.62	33.87	100	271	P	H
		5450.76	41.18	-12.82	54	27.63	34.8	12.62	33.87	100	271	A	H
		5131.04	69.16	-4.84	74	56.56	34.19	12.3	33.89	100	125	P	V
		5145.86	52.06	-1.94	54	39.34	34.28	12.33	33.89	100	125	A	V
	*	5210	106	-	-	92.92	34.54	12.43	33.89	100	125	P	V
	*	5210	98.48	-	-	85.4	34.54	12.43	33.89	100	125	A	V
		5352.2	59.53	-14.47	74	46.08	34.8	12.53	33.88	100	125	P	V
		5350.8	41.95	-12.05	54	28.5	34.8	12.53	33.88	100	125	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5149.8	53.71	-20.29	74	40.97	34.3	12.33	33.89	100	284	P	H
		5142.45	44.44	-9.56	54	31.76	34.25	12.32	33.89	100	284	A	H
	*	5250	102.54	-	-	89.28	34.7	12.45	33.89	100	284	P	H
	*	5250	93.65	-	-	80.39	34.7	12.45	33.89	100	284	A	H
		5352.24	60.14	-13.86	74	46.69	34.8	12.53	33.88	100	284	P	H
		5353.44	50.88	-3.12	54	37.44	34.79	12.53	33.88	100	284	A	H
		5106.75	54.6	-19.4	74	42.19	34.04	12.26	33.89	100	132	P	V
		5145.95	45.57	-8.43	54	32.85	34.28	12.33	33.89	100	132	A	V
	*	5250	103.5	-	-	90.24	34.7	12.45	33.89	100	132	P	V
	*	5250	94.72	-	-	81.46	34.7	12.45	33.89	100	132	A	V
		5366.88	60.84	-13.16	74	47.41	34.77	12.54	33.88	100	132	P	V
		5357.76	52.56	-1.44	54	39.13	34.78	12.53	33.88	100	132	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10500	45.81	-22.39	68.2	48.36	37.5	18.75	58.8	-	-	P	H
		15750	50.35	-23.65	74	42.8	41	22.9	56.35	-	-	P	H
													H
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													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	44.94	-23.26	68.2	47.49	37.5	18.75	58.8	-	-	P	V
5250MHz		15750	49.2	-24.8	74	41.65	41	22.9	56.35	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 1 5150~5250MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5130.9	59.41	-14.59	74	46.81	34.19	12.3	33.89	400	175	P	H
		5130.55	48.44	-5.56	54	35.85	34.18	12.3	33.89	400	175	A	H
	*	5250	93.78	-	-	80.52	34.7	12.45	33.89	400	175	P	H
	*	5250	85.79	-	-	72.53	34.7	12.45	33.89	400	175	A	H
		5402.64	59.87	-14.13	74	46.48	34.71	12.56	33.88	400	175	P	H
		5395.92	50.18	-3.82	54	36.79	34.71	12.56	33.88	400	175	A	H
		5129.5	59.78	-14.22	74	47.19	34.18	12.3	33.89	100	131	P	V
		5125.3	50.16	-3.84	54	37.61	34.15	12.29	33.89	100	131	A	V
	*	5250	102.26	-	-	89	34.7	12.45	33.89	100	131	P	V
	*	5250	91.37	-	-	78.11	34.7	12.45	33.89	100	131	A	V
		5405.76	60.52	-13.48	74	47.12	34.71	12.57	33.88	100	131	P	V
		5396.16	50.81	-3.19	54	37.42	34.71	12.56	33.88	100	131	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5148.05	54.84	-19.16	74	42.11	34.29	12.33	33.89	100	284	P	H
		5148.75	43.24	-10.76	54	30.51	34.29	12.33	33.89	100	284	A	H
	*	5260	114.75	-	-	101.49	34.68	12.46	33.88	100	284	P	H
	*	5260	107.77	-	-	94.51	34.68	12.46	33.88	100	284	A	H
		5351.04	54.64	-19.36	74	41.19	34.8	12.53	33.88	100	284	P	H
		5350.08	45.29	-8.71	54	31.84	34.8	12.53	33.88	100	284	A	H
		5148.05	56	-18	74	43.27	34.29	12.33	33.89	100	128	P	V
		5147.35	45.07	-8.93	54	32.35	34.28	12.33	33.89	100	128	A	V
	*	5260	117.61	-	-	104.35	34.68	12.46	33.88	100	128	P	V
	*	5260	109.97	-	-	96.71	34.68	12.46	33.88	100	128	A	V
		5355.36	59.89	-14.11	74	46.45	34.79	12.53	33.88	100	128	P	V
		5350.08	48.88	-5.12	54	35.43	34.8	12.53	33.88	100	128	A	V
802.11a CH 60 5300MHz		5053.2	52.07	-21.93	74	39.8	34	12.17	33.9	100	284	P	H
		5145.6	41.84	-12.16	54	29.13	34.27	12.33	33.89	100	284	A	H
	*	5300	113.45	-	-	100.24	34.6	12.49	33.88	100	284	P	H
	*	5300	106.4	-	-	93.19	34.6	12.49	33.88	100	284	A	H
		5353.2	58	-16	74	44.56	34.79	12.53	33.88	100	284	P	H
		5352	48.51	-5.49	54	35.06	34.8	12.53	33.88	100	284	A	H
		5107.45	51.5	-22.5	74	39.09	34.04	12.26	33.89	100	129	P	V
		5147.35	42.52	-11.48	54	29.8	34.28	12.33	33.89	100	129	A	V
	*	5300	115.04	-	-	101.83	34.6	12.49	33.88	100	129	P	V
	*	5300	108.56	-	-	95.35	34.6	12.49	33.88	100	129	A	V
		5354.64	62.61	-11.39	74	49.17	34.79	12.53	33.88	100	129	P	V
		5350.08	51.5	-2.5	54	38.05	34.8	12.53	33.88	100	129	A	V

802.11a CH 64 5320MHz	*	5320	108.18	-	-	94.88	34.68	12.5	33.88	105	282	P	H
	*	5320	104.16	-	-	90.86	34.68	12.5	33.88	105	282	A	H
		5352.96	50.61	-23.39	74	37.17	34.79	12.53	33.88	105	282	P	H
		5350.08	44.59	-9.41	54	31.14	34.8	12.53	33.88	105	282	A	H
													H
													H
	*	5320	112.49	-	-	99.19	34.68	12.5	33.88	100	124	P	V
	*	5320	106.46	-	-	93.16	34.68	12.5	33.88	100	124	A	V
		5350.56	54.4	-19.6	74	40.95	34.8	12.53	33.88	100	124	P	V
		5350.72	46.6	-7.4	54	33.15	34.8	12.53	33.88	100	124	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	49.02	-19.18	68.2	51.52	37.5	18.77	58.77	-	-	P	H
		15780	52.37	-21.63	74	44.99	40.82	22.92	56.36	100	96	P	H
		15780	42.99	-11.01	54	35.61	40.82	22.92	56.36	100	96	A	H
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		10520	48.42	-19.78	68.2	50.92	37.5	18.77	58.77	-	-	P	V
		15780	56.77	-17.23	74	49.39	40.82	22.92	56.36	100	120	P	V
		15780	45.9	-8.1	54	38.52	40.82	22.92	56.36	100	120	A	V
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WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 60 5300MHz		10600	52.25	-21.75	74	54.48	37.6	18.83	58.66	100	249	P	H
		10600	42.73	-11.27	54	44.96	37.6	18.83	58.66	100	249	A	H
		15900	49.06	-24.94	74	41.45	41	23.02	56.41	-	-	P	H
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													H
													H
		10600	49.41	-24.59	74	51.64	37.6	18.83	58.66	100	210	P	V
		10600	38.67	-15.33	54	40.9	37.6	18.83	58.66	100	210	A	V
		15900	50.01	-23.99	74	42.4	41	23.02	56.41	-	-	P	V
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WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		10640	46.46	-27.54	74	48.6	37.6	18.86	58.6	-	-	P	H
		15960	47.93	-26.07	74	40.29	41	23.07	56.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	46.75	-27.25	74	48.89	37.6	18.86	58.6	-	-	P	V
		15960	48.48	-25.52	74	40.84	41	23.07	56.43	-	-	P	V
													V
													V
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Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5147	51.93	-22.07	74	39.21	34.28	12.33	33.89	294	173	P	H
		5150	42.33	-11.67	54	29.58	34.3	12.34	33.89	294	173	A	H
	*	5260	109.37	-	-	96.11	34.68	12.46	33.88	294	173	P	H
	*	5260	102.6	-	-	89.34	34.68	12.46	33.88	294	173	A	H
		5350.08	57.71	-16.29	74	44.26	34.8	12.53	33.88	294	173	P	H
		5350.08	45.53	-8.47	54	32.08	34.8	12.53	33.88	294	173	A	H
		5147	54.08	-19.92	74	41.36	34.28	12.33	33.89	100	125	P	V
		5150	43.69	-10.31	54	30.94	34.3	12.34	33.89	100	125	A	V
	*	5260	115.41	-	-	102.15	34.68	12.46	33.88	100	125	P	V
	*	5260	107.97	-	-	94.71	34.68	12.46	33.88	100	125	A	V
		5357.04	60.03	-13.97	74	46.59	34.79	12.53	33.88	100	125	P	V
		5350.32	46.78	-7.22	54	33.33	34.8	12.53	33.88	100	125	A	V
802.11ax HE20 Full CH 60 5300MHz		5146.3	50.86	-23.14	74	38.14	34.28	12.33	33.89	344	179	P	H
		5146.65	41.5	-12.5	54	28.78	34.28	12.33	33.89	344	179	A	H
	*	5300	110.68	-	-	97.47	34.6	12.49	33.88	344	179	P	H
	*	5300	103.73	-	-	90.52	34.6	12.49	33.88	344	179	A	H
		5351.52	61.25	-12.75	74	47.8	34.8	12.53	33.88	344	179	P	H
		5350.08	51.29	-2.71	54	37.84	34.8	12.53	33.88	344	179	A	H
		5149.1	52.47	-21.53	74	39.74	34.29	12.33	33.89	100	122	P	V
		5148.05	42.47	-11.53	54	29.74	34.29	12.33	33.89	100	122	A	V
	*	5300	113.38	-	-	100.17	34.6	12.49	33.88	100	122	P	V
	*	5300	106.41	-	-	93.2	34.6	12.49	33.88	100	122	A	V
		5353.68	62.44	-11.56	74	49	34.79	12.53	33.88	100	122	P	V
		5350.08	51.54	-2.46	54	38.09	34.8	12.53	33.88	100	122	A	V

	*	5320	105.68	-	-	92.38	34.68	12.5	33.88	400	181	P	H
	*	5320	98.51	-	-	85.21	34.68	12.5	33.88	400	181	A	H
		5350.4	59.52	-14.48	74	46.07	34.8	12.53	33.88	400	181	P	H
		5350.08	49.45	-4.55	54	36	34.8	12.53	33.88	400	181	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	109.65	-	-	96.35	34.68	12.5	33.88	100	182	P	V
5320MHz	*	5320	103.23	-	-	89.93	34.68	12.5	33.88	100	182	A	V
		5353.6	58.95	-15.05	74	45.51	34.79	12.53	33.88	100	182	P	V
		5350.08	49.62	-4.38	54	36.17	34.8	12.53	33.88	100	182	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.34	-21.86	68.2	48.84	37.5	18.77	58.77	-	-	P	H
		15780	53.61	-20.39	74	46.23	40.82	22.92	56.36	100	95	P	H
		15780	44.55	-9.45	54	37.17	40.82	22.92	56.36	100	95	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	46.24	-21.96	68.2	48.74	37.5	18.77	58.77	-	-	P	V
5260MHz		15780	57.47	-16.53	74	50.09	40.82	22.92	56.36	100	121	P	V
		15780	47.95	-6.05	54	40.57	40.82	22.92	56.36	100	121	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	46.68	-27.32	74	48.91	37.6	18.83	58.66	-	-	P	H
		15900	50.54	-23.46	74	42.93	41	23.02	56.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	46.93	-27.07	74	49.16	37.6	18.83	58.66	-	-	P	V
5300MHz		15900	55.48	-18.52	74	47.87	41	23.02	56.41	100	120	P	V
		15900	46.25	-7.75	54	38.64	41	23.02	56.41	100	120	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	45.99	-28.01	74	48.13	37.6	18.86	58.6	-	-	P	H
		15960	50.82	-23.18	74	43.18	41	23.07	56.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	46.9	-27.1	74	49.04	37.6	18.86	58.6	-	-	P	V
5320MHz		15960	50.65	-23.35	74	43.01	41	23.07	56.43	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz	*	5320	109.64	-	-	96.34	34.68	12.5	33.88	400	107	P	H
	*	5320	104.34	-	-	91.04	34.68	12.5	33.88	400	107	A	H
		5359.36	62.82	-11.18	74	49.39	34.78	12.53	33.88	400	107	P	H
		5350.56	51	-3	54	37.55	34.8	12.53	33.88	400	107	A	H
													H
													H
	*	5320	110.34	-	-	97.04	34.68	12.5	33.88	100	130	P	V
	*	5320	104.62	-	-	91.32	34.68	12.5	33.88	100	130	A	V
		5356.48	64.47	-9.53	74	51.03	34.79	12.53	33.88	100	130	P	V
		5352	51.84	-2.16	54	38.39	34.8	12.53	33.88	100	130	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5139.3	61.97	-12.03	74	49.3	34.24	12.32	33.89	100	243	P	H
		5148.75	49.29	-4.71	54	36.56	34.29	12.33	33.89	100	243	A	H
	*	5272	110.03	-	-	96.78	34.66	12.47	33.88	100	243	P	H
	*	5266	102.21	-	-	88.95	34.67	12.47	33.88	100	243	A	H
		5355.12	64.85	-9.15	74	51.41	34.79	12.53	33.88	100	243	P	H
		5350.8	51.95	-2.05	54	38.5	34.8	12.53	33.88	100	243	A	H
		5136.15	59.88	-14.12	74	47.24	34.22	12.31	33.89	100	126	P	V
		5149.8	48.71	-5.29	54	35.97	34.3	12.33	33.89	100	126	A	V
	*	5270	111.75	-	-	98.5	34.66	12.47	33.88	100	126	P	V
	*	5270	104.24	-	-	90.99	34.66	12.47	33.88	100	126	A	V
		5357.76	64.1	-9.9	74	50.67	34.78	12.53	33.88	100	126	P	V
		5350.32	52.84	-1.16	54	39.39	34.8	12.53	33.88	100	126	A	V
802.11ax HE40 Full CH 62 5310MHz		5071.05	50.96	-23.04	74	38.66	34	12.2	33.9	319	180	P	H
		5147.35	41.6	-12.4	54	28.88	34.28	12.33	33.89	319	180	A	H
	*	5310	106.95	-	-	93.69	34.64	12.5	33.88	319	180	P	H
	*	5310	100.42	-	-	87.16	34.64	12.5	33.88	319	180	A	H
		5351.76	66.24	-7.76	74	52.79	34.8	12.53	33.88	319	180	P	H
		5350.08	52.86	-1.14	54	39.41	34.8	12.53	33.88	319	180	A	H
		5144.2	52.13	-21.87	74	39.42	34.27	12.33	33.89	100	131	P	V
		5150	43.13	-10.87	54	30.38	34.3	12.34	33.89	100	131	A	V
	*	5310	111.38	-	-	98.12	34.64	12.5	33.88	100	131	P	V
	*	5310	103.33	-	-	90.07	34.64	12.5	33.88	100	131	A	V
		5355.12	67.08	-6.92	74	53.64	34.79	12.53	33.88	100	131	P	V
		5352.24	52.89	-1.11	54	39.44	34.8	12.53	33.88	100	131	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	44.56	-23.64	68.2	47.02	37.5	18.78	58.74	-	-	P	H
		15810	50.53	-23.47	74	43.25	40.7	22.95	56.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	45.89	-22.31	68.2	48.35	37.5	18.78	58.74	-	-	P	V
5270MHz		15810	48.99	-25.01	74	41.71	40.7	22.95	56.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	45.91	-28.09	74	48.09	37.6	18.85	58.63	-	-	P	H
		15930	49.19	-24.81	74	41.56	41	23.05	56.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	45.86	-28.14	74	48.04	37.6	18.85	58.63	-	-	P	V
5310MHz		15930	48.41	-25.59	74	40.78	41	23.05	56.42	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5121.8	52.22	-21.78	74	39.69	34.13	12.29	33.89	400	180	P	H
		5134.05	41.56	-12.44	54	28.94	34.2	12.31	33.89	400	180	A	H
	*	5310	100.57	-	-	87.31	34.64	12.5	33.88	400	180	P	H
	*	5310	93.94	-	-	80.68	34.64	12.5	33.88	400	180	A	H
		5357.28	65.16	-8.84	74	51.72	34.79	12.53	33.88	400	180	P	H
		5354.64	50.83	-3.17	54	37.39	34.79	12.53	33.88	400	180	A	H
		5092.75	52.39	-21.61	74	40.04	34	12.24	33.89	100	130	P	V
		5150	41.75	-12.25	54	29	34.3	12.34	33.89	100	130	A	V
	*	5310	108.24	-	-	94.98	34.64	12.5	33.88	100	130	P	V
	*	5310	101.71	-	-	88.45	34.64	12.5	33.88	100	130	A	V
		5351.76	67.88	-6.12	74	54.43	34.8	12.53	33.88	100	130	P	V
		5351.52	51.06	-2.94	54	37.61	34.8	12.53	33.88	100	130	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5135.45	51.54	-22.46	74	38.91	34.21	12.31	33.89	100	284	P	H
		5144.2	41.89	-12.11	54	29.18	34.27	12.33	33.89	100	284	A	H
	*	5290	104.18	-	-	90.96	34.62	12.48	33.88	100	284	P	H
	*	5290	95.94	-	-	82.72	34.62	12.48	33.88	100	284	A	H
		5352.96	56.91	-17.09	74	43.47	34.79	12.53	33.88	100	284	P	H
		5354.4	48.94	-5.06	54	35.5	34.79	12.53	33.88	100	284	A	H
		5145.6	52.22	-21.78	74	39.51	34.27	12.33	33.89	100	132	P	V
		5149.1	42.21	-11.79	54	29.48	34.29	12.33	33.89	100	132	A	V
	*	5290	105.92	-	-	92.7	34.62	12.48	33.88	100	132	P	V
	*	5290	97.68	-	-	84.46	34.62	12.48	33.88	100	132	A	V
		5350.08	58.97	-15.03	74	45.52	34.8	12.53	33.88	100	132	P	V
		5350.08	51.19	-2.81	54	37.74	34.8	12.53	33.88	100	132	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	44.47	-23.73	68.2	46.78	37.56	18.82	58.69	-	-	P	H
		15870	48.42	-25.58	74	41	40.82	23	56.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	45.42	-22.78	68.2	47.73	37.56	18.82	58.69	-	-	P	V
5290MHz		15870	49.31	-24.69	74	41.89	40.82	23	56.4	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5094.5	51.81	-22.19	74	39.46	34	12.24	33.89	100	287	P	H
		5146.3	41.78	-12.22	54	29.06	34.28	12.33	33.89	100	287	A	H
	*	5290	104.72	-	-	91.5	34.62	12.48	33.88	100	287	P	H
	*	5290	95.55	-	-	82.33	34.62	12.48	33.88	100	287	A	H
		5359.2	61.7	-12.3	74	48.27	34.78	12.53	33.88	100	287	P	H
		5350.08	47.96	-6.04	54	34.51	34.8	12.53	33.88	100	287	A	H
		5096.25	51.59	-22.41	74	39.24	34	12.24	33.89	100	125	P	V
		5141.4	42.12	-11.88	54	29.44	34.25	12.32	33.89	100	125	A	V
	*	5290	105.78	-	-	92.56	34.62	12.48	33.88	100	125	P	V
	*	5290	96.57	-	-	83.35	34.62	12.48	33.88	100	125	A	V
		5351.04	62.53	-11.47	74	49.08	34.8	12.53	33.88	100	125	P	V
		5350.8	51.34	-2.66	54	37.89	34.8	12.53	33.88	100	125	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5455.6	60.37	-13.63	74	46.82	34.8	12.62	33.87	100	171	P	H
		5469.84	62.26	-5.94	68.2	48.69	34.8	12.64	33.87	100	171	P	H
		5460	49.29	-4.71	54	35.73	34.8	12.63	33.87	100	171	A	H
	*	5500	109.57	-	-	95.97	34.8	12.67	33.87	100	171	P	H
	*	5500	103.99	-	-	90.39	34.8	12.67	33.87	100	171	A	H
													H
		5455.76	60.47	-13.53	74	46.92	34.8	12.62	33.87	400	87	P	V
		5469.84	62.39	-5.81	68.2	48.82	34.8	12.64	33.87	400	87	P	V
		5456.72	50.47	-3.53	54	36.92	34.8	12.62	33.87	400	87	A	V
	*	5500	107.52	-	-	93.92	34.8	12.67	33.87	400	87	P	V
	*	5500	101.69	-	-	88.09	34.8	12.67	33.87	400	87	A	V
													V
802.11a CH 116 5580MHz		5424.64	54.91	-19.09	74	41.44	34.75	12.59	33.87	100	170	P	H
		5467.36	55.32	-12.88	68.2	41.76	34.8	12.63	33.87	100	170	P	H
		5459.68	46.56	-7.44	54	33	34.8	12.63	33.87	100	170	A	H
	*	5580	110.47	-	-	96.9	34.7	12.76	33.89	100	170	P	H
	*	5580	106.14	-	-	92.57	34.7	12.76	33.89	100	170	A	H
		5729.72	51.56	-16.64	68.2	37.32	35.2	12.97	33.93	100	170	P	H
		5458.48	53.3	-20.7	74	39.75	34.8	12.62	33.87	100	129	P	V
		5464.72	53.6	-14.6	68.2	40.04	34.8	12.63	33.87	100	129	P	V
		5459.2	43.51	-10.49	54	29.95	34.8	12.63	33.87	100	129	A	V
	*	5580	113.13	-	-	99.56	34.7	12.76	33.89	100	129	P	V
	*	5580	107.43	-	-	93.86	34.7	12.76	33.89	100	129	A	V
		5738.225	52.78	-15.42	68.2	38.53	35.2	12.98	33.93	100	129	P	V

802.11a CH 140 5700MHz	*	5700	107.13	-	-	92.93	35.2	12.92	33.92	288	198	P	H
	*	5700	100.89	-	-	86.69	35.2	12.92	33.92	288	198	A	H
		5726.28	63.13	-5.07	68.2	48.9	35.2	12.96	33.93	288	198	P	H
													H
													H
													H
	*	5700	111.1	-	-	96.9	35.2	12.92	33.92	119	164	P	V
	*	5700	104.65	-	-	90.45	35.2	12.92	33.92	119	164	A	V
		5725.56	65.7	-2.5	68.2	51.47	35.2	12.96	33.93	119	164	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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	46.74	-27.26	74	47.92	37.8	19.11	58.09	-	-	P	H
		16500	50.57	-17.63	68.2	41.36	42.1	23.44	56.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	45.93	-28.07	74	47.11	37.8	19.11	58.09	-	-	P	V
		16500	51.19	-17.01	68.2	41.98	42.1	23.44	56.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	46.71	-27.29	74	47.42	37.82	19.23	57.76	-	-	P	H
		16740	50.93	-17.27	68.2	41.05	42.28	23.59	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	47.2	-26.8	74	47.91	37.82	19.23	57.76	-	-	P	V
		16740	49.96	-18.24	68.2	40.08	42.28	23.59	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		11400	46.93	-27.07	74	46.58	38.2	19.41	57.26	-	-	P	H
		17100	51.99	-16.21	68.2	41.99	41.8	23.83	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	47.01	-26.99	74	46.66	38.2	19.41	57.26	-	-	P	V
		17100	50.76	-17.44	68.2	40.76	41.8	23.83	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5459.76	62.58	-11.42	74	49.02	34.8	12.63	33.87	107	171	P	H
		5469.68	62.79	-5.41	68.2	49.22	34.8	12.64	33.87	107	171	P	H
		5460	47.37	-6.63	54	33.81	34.8	12.63	33.87	107	171	A	H
	*	5500	112.72	-	-	99.12	34.8	12.67	33.87	107	171	P	H
	*	5500	104.86	-	-	91.26	34.8	12.67	33.87	107	171	A	H
		5456.08	56.57	-17.43	74	43.02	34.8	12.62	33.87	400	103	P	V
		5470	63.67	-4.53	68.2	50.1	34.8	12.64	33.87	400	103	P	V
		5460	45.26	-8.74	54	31.7	34.8	12.63	33.87	400	103	A	V
	*	5500	108.37	-	-	94.77	34.8	12.67	33.87	400	103	P	V
	*	5500	101.51	-	-	87.91	34.8	12.67	33.87	400	103	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5442.88	53.79	-20.21	74	40.26	34.79	12.61	33.87	106	170	P	H
		5465.2	52.43	-15.77	68.2	38.87	34.8	12.63	33.87	106	170	P	H
		5459.68	43.67	-10.33	54	30.11	34.8	12.63	33.87	106	170	A	H
	*	5580	110.75	-	-	97.18	34.7	12.76	33.89	106	170	P	H
	*	5580	105.68	-	-	92.11	34.7	12.76	33.89	106	170	A	H
		5743.58	51.61	-16.59	68.2	37.35	35.2	12.99	33.93	106	170	P	H
		5452.24	52.11	-21.89	74	38.56	34.8	12.62	33.87	100	130	P	V
		5461.6	51.47	-16.73	68.2	37.91	34.8	12.63	33.87	100	130	P	V
		5459.92	42.65	-11.35	54	29.09	34.8	12.63	33.87	100	130	A	V
	*	5580	111.49	-	-	97.92	34.7	12.76	33.89	100	130	P	V
	*	5580	106.59	-	-	93.02	34.7	12.76	33.89	100	130	A	V
		5734.445	50.84	-17.36	68.2	36.6	35.2	12.97	33.93	100	130	P	V

	*	5700	106.18	-	-	91.98	35.2	12.92	33.92	100	164	P	H
	*	5700	100.47	-	-	86.27	35.2	12.92	33.92	100	164	A	H
		5725	62.03	-6.17	68.2	47.8	35.2	12.96	33.93	100	164	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	108.87	-	-	94.67	35.2	12.92	33.92	106	159	P	V
5700MHz	*	5700	102.01	-	-	87.81	35.2	12.92	33.92	106	159	A	V
		5725	66.4	-1.8	68.2	52.17	35.2	12.96	33.93	106	159	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.03	-27.97	74	47.21	37.8	19.11	58.09	-	-	P	H
		16500	49.78	-18.42	68.2	40.57	42.1	23.44	56.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	46.6	-27.4	74	47.78	37.8	19.11	58.09	-	-	P	V
5500MHz		16500	50.03	-18.17	68.2	40.82	42.1	23.44	56.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	44.77	-29.23	74	45.48	37.82	19.23	57.76	-	-	P	H
		16740	49.62	-18.58	68.2	39.74	42.28	23.59	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	46.36	-27.64	74	47.07	37.82	19.23	57.76	-	-	P	V
5580MHz		16740	50.33	-17.87	68.2	40.45	42.28	23.59	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	44.91	-29.09	74	44.56	38.2	19.41	57.26	-	-	P	H
		17100	49.78	-18.42	68.2	39.78	41.8	23.83	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	44.88	-29.12	74	44.53	38.2	19.41	57.26	-	-	P	V
5700MHz		17100	49.47	-18.73	68.2	39.47	41.8	23.83	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5458.8	56.28	-17.72	74	42.73	34.8	12.62	33.87	100	296	P	H
		5469.04	55.28	-12.92	68.2	41.71	34.8	12.64	33.87	100	296	P	H
		5460	43.08	-10.92	54	29.52	34.8	12.63	33.87	100	296	A	H
	*	5500	109.53	-	-	95.93	34.8	12.67	33.87	100	296	P	H
	*	5500	102.19	-	-	88.59	34.8	12.67	33.87	100	296	A	H
													H
		5457.84	56.89	-17.11	74	43.34	34.8	12.62	33.87	100	156	P	V
		5464.24	58.92	-9.28	68.2	45.36	34.8	12.63	33.87	100	156	P	V
		5459.92	44.04	-9.96	54	30.48	34.8	12.63	33.87	100	156	A	V
	*	5500	110.76	-	-	97.16	34.8	12.67	33.87	100	156	P	V
	*	5500	103.78	-	-	90.18	34.8	12.67	33.87	100	156	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	108.69	-	-	94.49	35.2	12.92	33.92	100	283	P	H
	*	5700	100.72	-	-	86.52	35.2	12.92	33.92	100	283	A	H
		5725.16	64.2	-4	68.2	49.97	35.2	12.96	33.93	100	283	P	H
													H
													H
													H
	*	5700	110.41	-	-	96.21	35.2	12.92	33.92	100	158	P	V
	*	5700	102.52	-	-	88.32	35.2	12.92	33.92	100	158	A	V
		5725.16	64.85	-3.35	68.2	50.62	35.2	12.96	33.93	100	158	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5459.44	56.81	-17.19	74	43.25	34.8	12.63	33.87	100	172	P	H
		5470	64.42	-3.78	68.2	50.85	34.8	12.64	33.87	100	172	P	H
		5459.92	50.71	-3.29	54	37.15	34.8	12.63	33.87	100	172	A	H
	*	5510	106.49	-	-	92.9	34.78	12.68	33.87	100	172	P	H
	*	5510	99.66	-	-	86.07	34.78	12.68	33.87	100	172	A	H
		5746.73	51.18	-17.02	68.2	36.92	35.2	12.99	33.93	100	172	P	H
		5459.92	56.39	-17.61	74	42.83	34.8	12.63	33.87	101	123	P	V
		5469.52	66.77	-1.43	68.2	53.2	34.8	12.64	33.87	101	123	P	V
		5459.92	51.09	-2.91	54	37.53	34.8	12.63	33.87	101	123	A	V
	*	5510	106.29	-	-	92.7	34.78	12.68	33.87	101	123	P	V
	*	5510	99.94	-	-	86.35	34.78	12.68	33.87	101	123	A	V
		5760.275	51.83	-16.37	68.2	37.56	35.2	13.01	33.94	101	123	P	V
802.11ax HE40 Full CH 110 5550MHz		5426.8	63.44	-10.56	74	49.97	34.75	12.59	33.87	100	168	P	H
		5464.48	65.75	-2.45	68.2	52.19	34.8	12.63	33.87	100	168	P	H
		5459.92	52.44	-1.56	54	38.88	34.8	12.63	33.87	100	168	A	H
	*	5550	110.84	-	-	97.29	34.7	12.73	33.88	100	168	P	H
	*	5550	103.29	-	-	89.74	34.7	12.73	33.88	100	168	A	H
		5725	55.9	-12.3	68.2	41.67	35.2	12.96	33.93	100	168	P	H
		5441.92	60.11	-13.89	74	46.59	34.78	12.61	33.87	100	125	P	V
		5470	60.57	-7.63	68.2	47	34.8	12.64	33.87	100	125	P	V
		5459.92	49.59	-4.41	54	36.03	34.8	12.63	33.87	100	125	A	V
	*	5550	111.22	-	-	97.67	34.7	12.73	33.88	100	125	P	V
	*	5550	104.1	-	-	90.55	34.7	12.73	33.88	100	125	A	V
		5730.665	56.81	-11.39	68.2	42.57	35.2	12.97	33.93	100	125	P	V

802.11ax HE40 Full CH 134 5670MHz		5448.7	52.41	-21.59	74	38.87	34.8	12.61	33.87	100	170	P	H
		5469.7	52.35	-15.85	68.2	38.78	34.8	12.64	33.87	100	170	P	H
		5459.9	42.88	-11.12	54	29.32	34.8	12.63	33.87	100	170	A	H
	*	5670	108.88	-	-	94.83	35.08	12.88	33.91	100	170	P	H
	*	5670	102.08	-	-	88.03	35.08	12.88	33.91	100	170	A	H
		5725.275	65.92	-2.28	68.2	51.69	35.2	12.96	33.93	100	170	P	H
		5384.3	50.11	-23.89	74	36.71	34.73	12.55	33.88	100	66	P	V
		5467.95	50.26	-17.94	68.2	36.7	34.8	12.63	33.87	100	66	P	V
		5459.55	41.77	-12.23	54	28.21	34.8	12.63	33.87	100	66	A	V
	*	5670	111.71	-	-	97.66	35.08	12.88	33.91	100	66	P	V
	*	5670	104.46	-	-	90.41	35.08	12.88	33.91	100	66	A	V
		5727.55	66.23	-1.97	68.2	52	35.2	12.96	33.93	100	66	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	45.64	-28.36	74	46.76	37.8	19.13	58.05	-	-	P	H
		16530	49.3	-18.9	68.2	40.28	41.86	23.45	56.29	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	45.3	-28.7	74	46.42	37.8	19.13	58.05	-	-	P	V
5510MHz		16530	49.17	-19.03	68.2	40.15	41.86	23.45	56.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	44.87	-29.13	74	45.66	37.9	19.19	57.88	-	-	P	H
		16650	49.63	-18.57	68.2	40.13	42.1	23.52	56.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	45.33	-28.67	74	46.12	37.9	19.19	57.88	-	-	P	V
5550MHz		16650	50.33	-17.87	68.2	40.83	42.1	23.52	56.12	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	44.61	-29.39	74	44.45	38.18	19.36	57.38	-	-	P	H
		17010	50.12	-18.08	68.2	40.06	41.92	23.77	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	44.35	-29.65	74	44.19	38.18	19.36	57.38	-	-	P	V
5670MHz		17010	49.97	-18.23	68.2	39.91	41.92	23.77	55.63	-	-	P	V
													V
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													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5448.4	63.57	-10.43	74	50.03	34.8	12.61	33.87	100	295	P	H
		5463.76	66.54	-1.66	68.2	52.98	34.8	12.63	33.87	100	295	P	H
		5457.04	46.43	-7.57	54	32.88	34.8	12.62	33.87	100	295	A	H
	*	5510	105.11	-	-	91.52	34.78	12.68	33.87	100	295	P	H
	*	5510	97.99	-	-	84.4	34.78	12.68	33.87	100	295	A	H
		5752.085	51.5	-16.7	68.2	37.24	35.2	13	33.94	100	295	P	H
		5453.2	68.05	-5.95	74	54.5	34.8	12.62	33.87	100	155	P	V
		5464.96	67.03	-1.17	68.2	53.47	34.8	12.63	33.87	100	155	P	V
		5454.4	46.44	-7.56	54	32.89	34.8	12.62	33.87	100	155	A	V
	*	5510	107.46	-	-	93.87	34.78	12.68	33.87	100	155	P	V
	*	5510	100.09	-	-	86.5	34.78	12.68	33.87	100	155	A	V
		5762.48	51.16	-17.04	68.2	36.88	35.2	13.02	33.94	100	155	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5389.55	50.24	-23.76	74	36.85	34.72	12.55	33.88	100	281	P	H
		5465.5	49.83	-18.37	68.2	36.27	34.8	12.63	33.87	100	281	P	H
		5459.55	41.27	-12.73	54	27.71	34.8	12.63	33.87	100	281	A	H
	*	5670	104.7	-	-	90.65	35.08	12.88	33.91	100	281	P	H
	*	5670	97.16	-	-	83.11	35.08	12.88	33.91	100	281	A	H
		5737.875	58.95	-9.25	68.2	44.7	35.2	12.98	33.93	100	281	P	H
		5398.3	50.13	-23.87	74	36.75	34.7	12.56	33.88	103	156	P	V
		5460.95	49.7	-18.5	68.2	36.14	34.8	12.63	33.87	103	156	P	V
		5459.9	41.43	-12.57	54	27.87	34.8	12.63	33.87	103	156	A	V
	*	5670	106.86	-	-	92.81	35.08	12.88	33.91	103	156	P	V
	*	5670	99.92	-	-	85.87	35.08	12.88	33.91	103	156	A	V
		5754.675	66.55	-1.65	68.2	52.29	35.2	13	33.94	103	156	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5452.72	58.16	-15.84	74	44.61	34.8	12.62	33.87	100	167	P	H
		5469.52	60.37	-7.83	68.2	46.8	34.8	12.64	33.87	100	167	P	H
		5459.92	50.65	-3.35	54	37.09	34.8	12.63	33.87	100	167	A	H
	*	5530	102.83	-	-	89.27	34.74	12.7	33.88	100	167	P	H
	*	5530	96.94	-	-	83.38	34.74	12.7	33.88	100	167	A	H
		5761.85	51.17	-17.03	68.2	36.9	35.2	13.01	33.94	100	167	P	H
		5459.68	57.26	-16.74	74	43.7	34.8	12.63	33.87	100	125	P	V
		5469.52	62.06	-6.14	68.2	48.49	34.8	12.64	33.87	100	125	P	V
		5459.92	51.13	-2.87	54	37.57	34.8	12.63	33.87	100	125	A	V
	*	5530	103.17	-	-	89.61	34.74	12.7	33.88	100	125	P	V
	*	5530	96.6	-	-	83.04	34.74	12.7	33.88	100	125	A	V
		5747.36	51.51	-16.69	68.2	37.25	35.2	12.99	33.93	100	125	P	V
802.11ax HE80 Full CH 122 5610MHz		5441.35	61.69	-12.31	74	48.17	34.78	12.61	33.87	100	167	P	H
		5464.8	62.01	-6.19	68.2	48.45	34.8	12.63	33.87	100	167	P	H
		5453.95	52.69	-1.31	54	39.14	34.8	12.62	33.87	100	167	A	H
	*	5610	106.97	-	-	93.32	34.76	12.79	33.9	100	167	P	H
	*	5610	99.99	-	-	86.34	34.76	12.79	33.9	100	167	A	H
		5733.85	66.09	-2.11	68.2	51.85	35.2	12.97	33.93	100	167	P	H
		5441.35	61.53	-12.47	74	48.01	34.78	12.61	33.87	100	124	P	V
		5470	62.67	-5.53	68.2	49.1	34.8	12.64	33.87	100	124	P	V
		5459.9	52	-2	54	38.44	34.8	12.63	33.87	100	124	A	V
	*	5610	108.16	-	-	94.51	34.76	12.79	33.9	100	124	P	V
	*	5610	101.05	-	-	87.4	34.76	12.79	33.9	100	124	A	V
		5741.9	65.95	-2.25	68.2	51.69	35.2	12.99	33.93	100	124	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	45.72	-28.28	74	46.71	37.82	19.16	57.97	-	-	P	H
		16590	48.24	-19.96	68.2	39.25	41.7	23.49	56.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	45.3	-28.7	74	46.29	37.82	19.16	57.97	-	-	P	V
5530MHz		16590	48.33	-19.87	68.2	39.34	41.7	23.49	56.2	-	-	P	V
													V
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WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	44.5	-29.5	74	44.92	37.94	19.27	57.63	-	-	P	H
		16830	50.64	-17.56	68.2	40.56	42.3	23.65	55.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	44.87	-29.13	74	45.29	37.94	19.27	57.63	-	-	P	V
5610MHz		16830	50.44	-17.76	68.2	40.36	42.3	23.65	55.87	-	-	P	V
													V
													V
													V
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													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5424.64	60.08	-13.92	74	46.61	34.75	12.59	33.87	100	294	P	H
		5469.76	63.3	-4.9	68.2	49.73	34.8	12.64	33.87	100	294	P	H
		5459.2	42.75	-11.25	54	29.19	34.8	12.63	33.87	100	294	A	H
	*	5530	103.88	-	-	90.32	34.74	12.7	33.88	100	294	P	H
	*	5530	95.5	-	-	81.94	34.74	12.7	33.88	100	294	A	H
		5747.045	51.92	-16.28	68.2	37.66	35.2	12.99	33.93	100	294	P	H
		5412.4	61.34	-12.66	74	47.93	34.72	12.57	33.88	100	163	P	V
		5461.84	65.41	-2.79	68.2	51.85	34.8	12.63	33.87	100	163	P	V
		5457.76	46.34	-7.66	54	32.79	34.8	12.62	33.87	100	163	A	V
	*	5530	104.3	-	-	90.74	34.74	12.7	33.88	100	163	P	V
	*	5530	96.91	-	-	83.35	34.74	12.7	33.88	100	163	A	V
		5757.44	52.14	-16.06	68.2	37.87	35.2	13.01	33.94	100	163	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5373.1	50.22	-23.78	74	36.81	34.75	12.54	33.88	100	278	P	H
		5466.55	51.39	-16.81	68.2	37.83	34.8	12.63	33.87	100	278	P	H
		5449.05	41.33	-12.67	54	27.79	34.8	12.61	33.87	100	278	A	H
	*	5610	98.64	-	-	84.99	34.76	12.79	33.9	100	278	P	H
	*	5610	92.77	-	-	79.12	34.76	12.79	33.9	100	278	A	H
		5762.55	52.95	-15.25	68.2	38.67	35.2	13.02	33.94	100	278	P	H
		5417.9	54.12	-19.88	74	40.67	34.74	12.58	33.87	100	157	P	V
		5461.3	49.93	-18.27	68.2	36.37	34.8	12.63	33.87	100	157	P	V
		5457.8	41.86	-12.14	54	28.31	34.8	12.62	33.87	100	157	A	V
	*	5610	104.37	-	-	90.72	34.76	12.79	33.9	100	157	P	V
	*	5610	97.41	-	-	83.76	34.76	12.79	33.9	100	157	A	V
		5738.225	66.09	-2.11	68.2	51.84	35.2	12.98	33.93	100	157	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5456.08	61.16	-12.84	74	47.61	34.8	12.62	33.87	100	167	P	H
		5463.76	62.29	-5.91	68.2	48.73	34.8	12.63	33.87	100	167	P	H
		5456.32	52.39	-1.61	54	38.84	34.8	12.62	33.87	100	167	A	H
	*	5570	98.38	-	-	84.82	34.7	12.75	33.89	100	167	P	H
	*	5570	91.07	-	-	77.51	34.7	12.75	33.89	100	167	A	H
		5728.145	58.29	-9.91	68.2	44.05	35.2	12.97	33.93	100	167	P	H
		5456.32	59.63	-14.37	74	46.08	34.8	12.62	33.87	100	159	P	V
		5468.8	60.95	-7.25	68.2	47.38	34.8	12.64	33.87	100	159	P	V
		5458.48	52.82	-1.18	54	39.27	34.8	12.62	33.87	100	159	A	V
	*	5570	101.21	-	-	87.65	34.7	12.75	33.89	100	159	P	V
	*	5570	94.44	-	-	80.88	34.7	12.75	33.89	100	159	A	V
		5728.145	64.94	-3.26	68.2	50.7	35.2	12.97	33.93	100	159	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	44.49	-29.51	74	45.25	37.82	19.22	57.8	-	-	P	H
		16710	51.32	-16.88	68.2	41.57	42.22	23.57	56.04	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	44.11	-29.89	74	44.87	37.82	19.22	57.8	-	-	P	V
5570MHz		16710	50.93	-17.27	68.2	41.18	42.22	23.57	56.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 5470~5725MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5448.16	64.44	-9.56	74	50.9	34.8	12.61	33.87	100	297	P	H
		5461.84	61.17	-7.03	68.2	47.61	34.8	12.63	33.87	100	297	P	H
		5452.24	45.76	-8.24	54	32.21	34.8	12.62	33.87	100	297	A	H
	*	5570	96.96	-	-	83.4	34.7	12.75	33.89	100	297	P	H
	*	5570	91.1	-	-	77.54	34.7	12.75	33.89	100	297	A	H
		5763.425	52.68	-15.52	68.2	38.4	35.2	13.02	33.94	100	297	P	H
		5456.08	65.73	-8.27	74	52.18	34.8	12.62	33.87	100	165	P	V
		5465.92	61.72	-6.48	68.2	48.16	34.8	12.63	33.87	100	165	P	V
		5452.24	46.26	-7.74	54	32.71	34.8	12.62	33.87	100	165	A	V
	*	5570	98.5	-	-	84.94	34.7	12.75	33.89	100	165	P	V
	*	5570	92.38	-	-	78.82	34.7	12.75	33.89	100	165	A	V
		5733.815	61.01	-7.19	68.2	46.77	35.2	12.97	33.93	100	165	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5430.73	50.45	-23.55	74	36.97	34.76	12.59	33.87	100	271	P	H
		5462.71	49.2	-19	68.2	35.64	34.8	12.63	33.87	100	271	P	H
		5459.98	40.8	-13.2	54	27.24	34.8	12.63	33.87	100	271	A	H
	*	5720	109.34	-	-	95.12	35.2	12.95	33.93	100	271	P	H
	*	5720	104.44	-	-	90.22	35.2	12.95	33.93	100	271	A	H
		5851	52.49	-15.71	68.2	38.34	35	13.11	33.96	100	271	P	H
		5369.11	50.21	-23.79	74	36.79	34.76	12.54	33.88	100	62	P	V
		5464.66	49.52	-18.68	68.2	35.96	34.8	12.63	33.87	100	62	P	V
		5456.86	40.82	-13.18	54	27.27	34.8	12.62	33.87	100	62	A	V
	*	5720	113.25	-	-	99.03	35.2	12.95	33.93	100	62	P	V
	*	5720	106.88	-	-	92.66	35.2	12.95	33.93	100	62	A	V
		5892.25	52.56	-15.64	68.2	38.31	35.08	13.14	33.97	100	62	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	45.04	-28.96	74	44.66	38.12	19.43	57.17	-	-	P	H
		17160	51.47	-16.73	68.2	41.66	41.58	23.86	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	45.04	-28.96	74	44.66	38.12	19.43	57.17	-	-	P	V
		17160	50.74	-17.46	68.2	40.93	41.58	23.86	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5416.69	51.58	-22.42	74	38.14	34.73	12.58	33.87	332	77	P	H
		5468.95	48.6	-19.6	68.2	35.03	34.8	12.64	33.87	332	77	P	H
		5457.25	40.86	-13.14	54	27.31	34.8	12.62	33.87	332	77	A	H
	*	5720	111.5	-	-	97.28	35.2	12.95	33.93	332	77	P	H
	*	5720	104.54	-	-	90.32	35.2	12.95	33.93	332	77	A	H
		5881.75	52.5	-15.7	68.2	38.27	35.06	13.14	33.97	332	77	P	H
		5408.5	49.93	-24.07	74	36.52	34.72	12.57	33.88	100	123	P	V
		5467.78	49.88	-18.32	68.2	36.32	34.8	12.63	33.87	100	123	P	V
		5457.64	40.94	-13.06	54	27.39	34.8	12.62	33.87	100	123	A	V
	*	5720	114.23	-	-	100.01	35.2	12.95	33.93	100	123	P	V
	*	5720	106.96	-	-	92.74	35.2	12.95	33.93	100	123	A	V
		5881.5	53.01	-15.19	68.2	38.78	35.06	13.14	33.97	100	123	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	44.59	-29.41	74	44.21	38.12	19.43	57.17	-	-	P	H
		17160	50.84	-17.36	68.2	41.03	41.58	23.86	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	44.97	-29.03	74	44.59	38.12	19.43	57.17	-	-	P	V
5720MHz		17160	51.38	-16.82	68.2	41.57	41.58	23.86	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5442.43	50.41	-23.59	74	36.89	34.78	12.61	33.87	299	197	P	H
		5470	49.15	-19.05	68.2	35.58	34.8	12.64	33.87	299	197	P	H
		5458.03	40.97	-13.03	54	27.42	34.8	12.62	33.87	299	197	A	H
	*	5710	104.9	-	-	90.68	35.2	12.94	33.92	299	197	P	H
	*	5710	98.53	-	-	84.31	35.2	12.94	33.92	299	197	A	H
		5865.5	60.98	-7.22	68.2	46.8	35.03	13.12	33.97	299	197	P	H
		5445.94	50.8	-23.2	74	37.27	34.79	12.61	33.87	100	162	P	V
		5460.37	50.46	-17.74	68.2	36.9	34.8	12.63	33.87	100	162	P	V
		5454.91	41.31	-12.69	54	27.76	34.8	12.62	33.87	100	162	A	V
	*	5710	109.33	-	-	95.11	35.2	12.94	33.92	100	162	P	V
	*	5710	102.39	-	-	88.17	35.2	12.94	33.92	100	162	A	V
		5850.75	63.58	-4.62	68.2	49.43	35	13.11	33.96	100	162	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	45.63	-28.37	74	45.27	38.16	19.42	57.22	-	-	P	H
		17130	50.21	-17.99	68.2	40.31	41.68	23.85	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	45.15	-28.85	74	44.79	38.16	19.42	57.22	-	-	P	V
5710MHz		17130	50.69	-17.51	68.2	40.79	41.68	23.85	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 Straddle Channel

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	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		5457.25	54.2	-19.8	74	40.65	34.8	12.62	33.87	100	201	P	H
		5463.88	54.87	-13.33	68.2	41.31	34.8	12.63	33.87	100	201	P	H
		5457.25	44.82	-9.18	54	31.27	34.8	12.62	33.87	100	201	A	H
	*	5690	103.49	-	-	89.34	35.16	12.91	33.92	100	201	P	H
	*	5690	97.11	-	-	82.96	35.16	12.91	33.92	100	201	A	H
		5860	63.71	-4.49	68.2	49.53	35.02	13.12	33.96	100	201	P	H
		5449.06	57.98	-16.02	74	44.44	34.8	12.61	33.87	113	161	P	V
		5467.39	57.94	-10.26	68.2	44.38	34.8	12.63	33.87	113	161	P	V
		5459.59	47.33	-6.67	54	33.77	34.8	12.63	33.87	113	161	A	V
	*	5690	107.9	-	-	93.75	35.16	12.91	33.92	113	161	P	V
	*	5690	101.62	-	-	87.47	35.16	12.91	33.92	113	161	A	V
		5864.5	64.62	-3.58	68.2	50.43	35.03	13.12	33.96	113	161	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	44.68	-29.32	74	44.39	38.2	19.39	57.3	-	-	P	H
		17070	50.08	-18.12	68.2	39.99	41.92	23.8	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	44.74	-29.26	74	44.45	38.2	19.39	57.3	-	-	P	V
5690MHz		17070	51.09	-17.11	68.2	41	41.92	23.8	55.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 5470~5725MHz

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.27	23.09	-16.91	40	27.92	24.04	1.07	29.94	-	-	P	H
		87.24	26.53	-13.47	40	40.26	14.39	1.78	29.9	-	-	P	H
		124.5	24.11	-19.39	43.5	34.29	17.6	2.09	29.87	-	-	P	H
		457.5	30.92	-15.08	46	33.65	23.17	3.86	29.76	-	-	P	H
		857.2	32.36	-13.64	46	27.27	28.97	5.24	29.12	-	-	P	H
		955.2	34.17	-11.83	46	26.99	30.4	5.41	28.63	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.27	31.61	-8.39	40	36.44	24.04	1.07	29.94	-	-	P	V
		37.83	26.33	-13.67	40	34.47	20.59	1.19	29.92	-	-	P	V
		84.27	27.27	-12.73	40	41.52	13.89	1.76	29.9	-	-	P	V
		769	31.09	-14.91	46	27.72	27.85	4.92	29.4	-	-	P	V
		877.5	31.46	-14.54	46	26.31	28.89	5.25	28.99	-	-	P	V
		956.6	33.64	-12.36	46	26.38	30.46	5.42	28.62	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<Sample 2>

Band 2 - 5250~5350MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		5012.6	50.52	-23.48	74	38.02	34.3	12.1	33.9	100	256	P	H
		5150	40.94	-13.06	54	28.19	34.3	12.34	33.89	100	256	A	H
	*	5310	109.46	-	-	96.2	34.64	12.5	33.88	100	256	P	H
	*	5310	101.64	-	-	88.38	34.64	12.5	33.88	100	256	A	H
		5364.48	65.24	-8.76	74	51.81	34.77	12.54	33.88	100	256	P	H
		5352.72	52.51	-1.49	54	39.07	34.79	12.53	33.88	100	256	A	H
		5106.05	50.25	-23.75	74	37.84	34.04	12.26	33.89	400	176	P	V
		5149.8	39.61	-14.39	54	26.87	34.3	12.33	33.89	400	176	A	V
	*	5314	108.33	-	-	95.05	34.66	12.5	33.88	400	176	P	V
	*	5308	100.02	-	-	86.77	34.63	12.5	33.88	400	176	A	V
		5350.08	63.69	-10.31	74	50.24	34.8	12.53	33.88	400	176	P	V
		5350.56	52.43	-1.57	54	38.98	34.8	12.53	33.88	400	176	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.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	44.77	-29.23	74	46.95	37.6	18.85	58.63	-	-	P	H
		15930	49.33	-24.67	74	41.7	41	23.05	56.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	45.45	-28.55	74	47.63	37.6	18.85	58.63	-	-	P	V
5310MHz		15930	49.44	-24.56	74	41.81	41	23.05	56.42	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		50.25	23.51	-16.49	40	37.81	14.25	1.37	29.92	-	-	P	H
		92.91	27.5	-16	43.5	40.44	15.14	1.82	29.9	-	-	P	H
		125.04	22.82	-20.68	43.5	32.99	17.61	2.09	29.87	-	-	P	H
		752.2	31.82	-14.18	46	28.54	27.87	4.88	29.47	-	-	P	H
		869.1	32.67	-13.33	46	27.48	28.98	5.25	29.04	-	-	P	H
		954.5	34.58	-11.42	46	27.42	30.39	5.41	28.64	-	-	P	H
													H
													H
													H
													H
													H
		30	31.35	-8.65	40	36.11	24.11	1.07	29.94	-	-	P	V
		50.52	31.47	-8.53	40	45.87	14.14	1.38	29.92	-	-	P	V
		91.02	27.58	-15.92	43.5	40.74	14.94	1.81	29.91	-	-	P	V
		750.1	31.09	-14.91	46	27.92	27.78	4.87	29.48	-	-	P	V
		850.2	32.75	-13.25	46	27.84	28.85	5.23	29.17	-	-	P	V
		946.1	34.17	-11.83	46	27.42	30.06	5.38	28.69	-	-	P	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	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

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

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Leve(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54 (dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh , and Ken Wu	**Temperature :**	18.5~24.1°C
		Relative Humidity :	43.8~62.2%

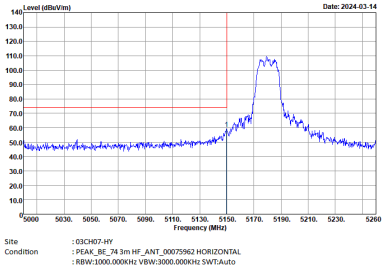
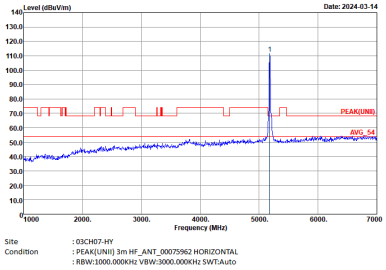
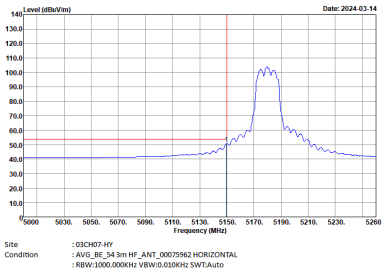
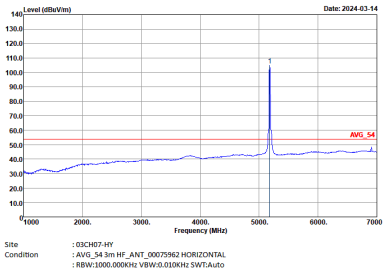
Note symbol

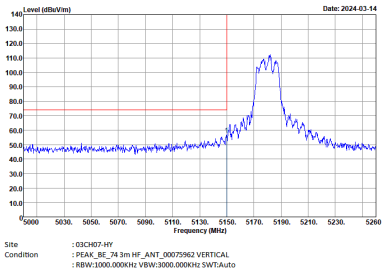
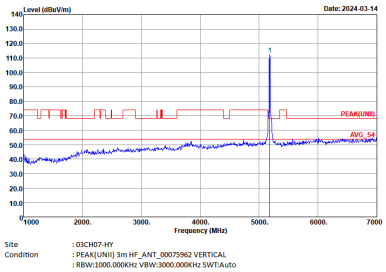
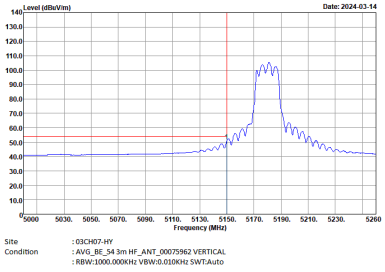
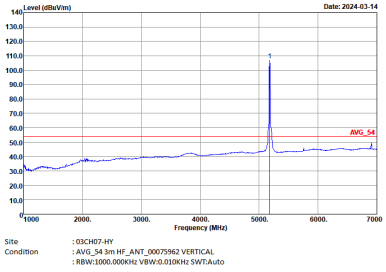
-L	**Low channel location**
-R	**High channel location**

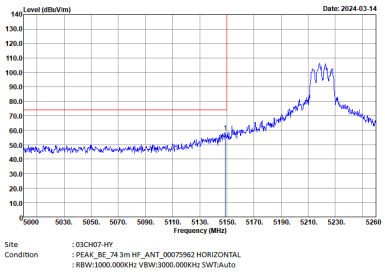
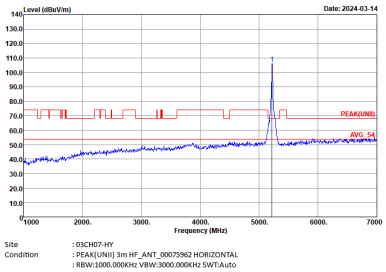
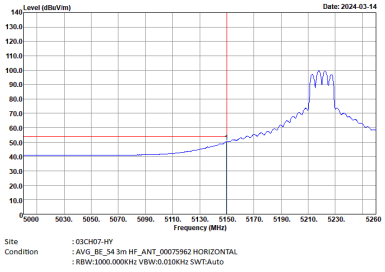
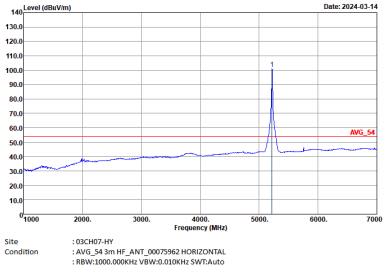
MIMO <Ant. 0+1>

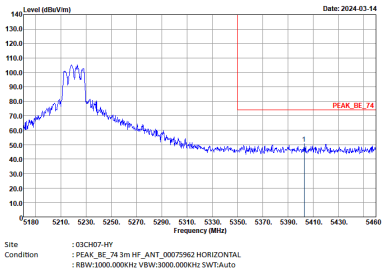
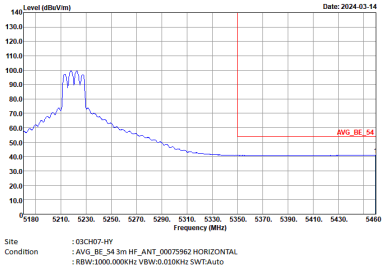
<Sample 1>

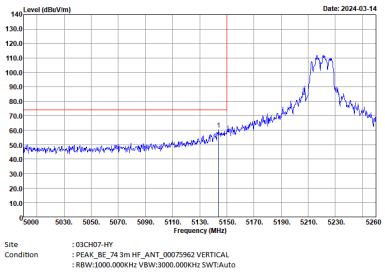
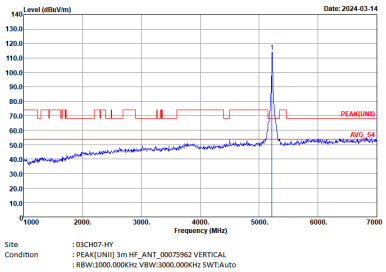
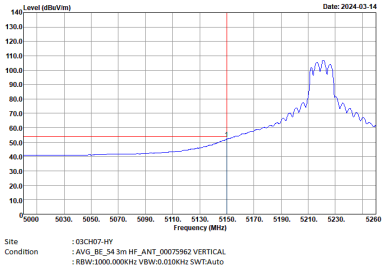
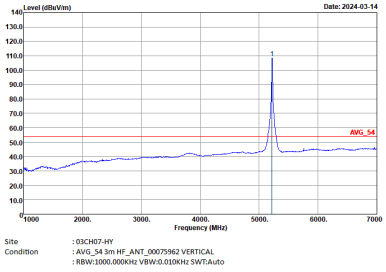
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

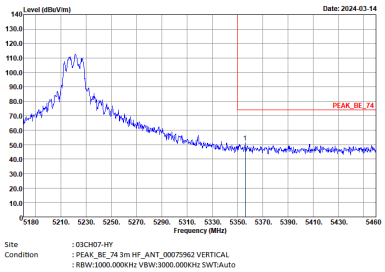
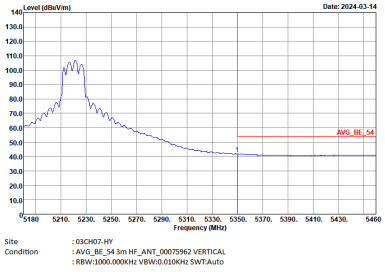
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
	Horizontal	Fundamental
Peak		
Avg.		

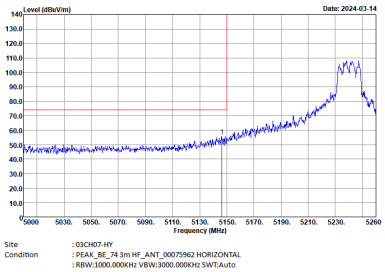
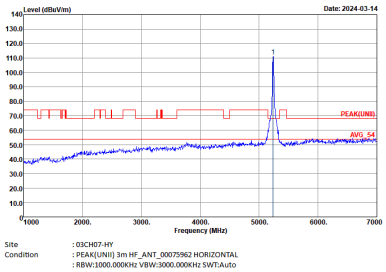
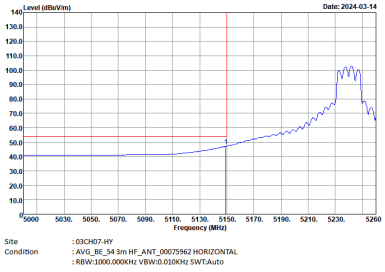
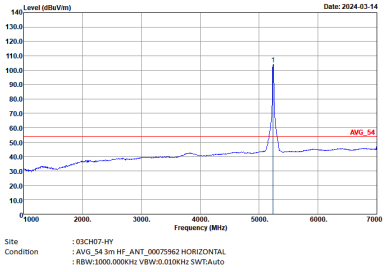
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
	Vertical	Fundamental
Peak		
Avg.		

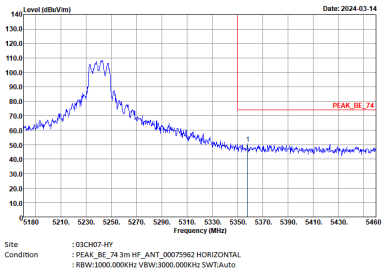
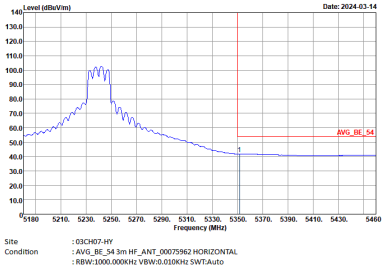
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

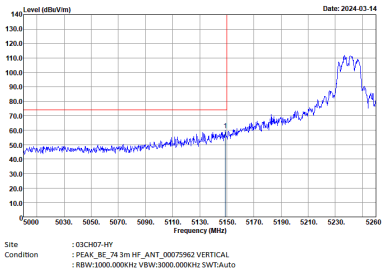
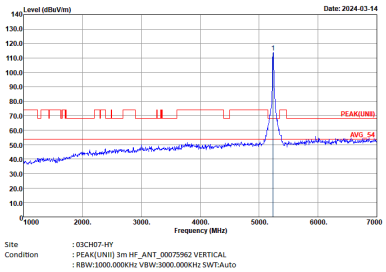
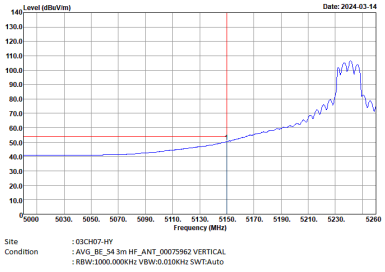
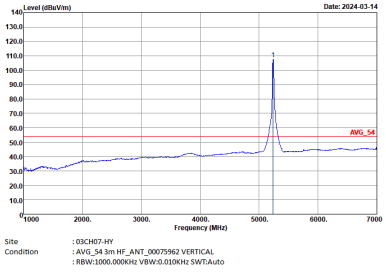
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

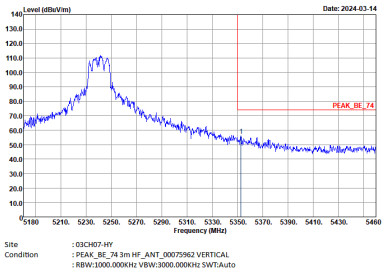
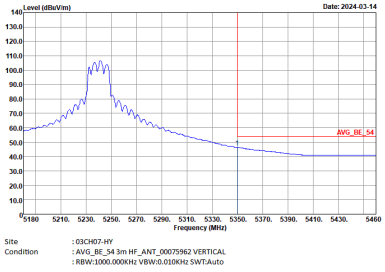
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

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

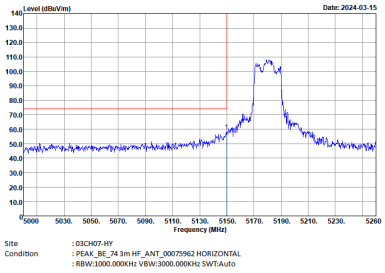
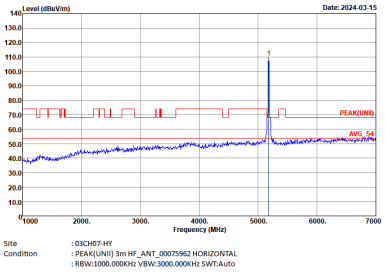
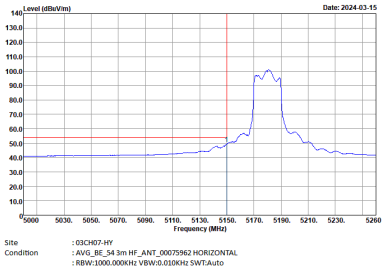
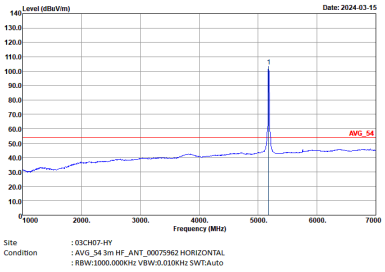
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

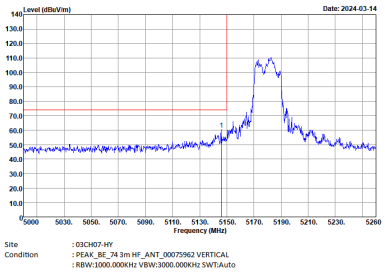
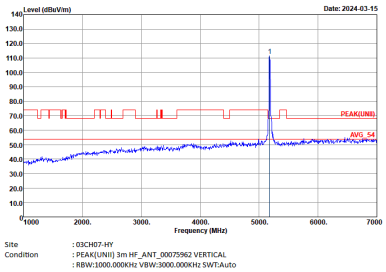
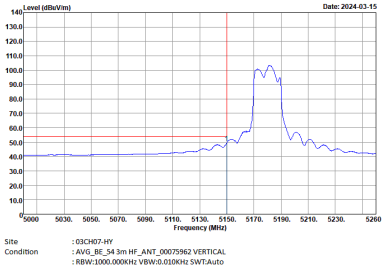
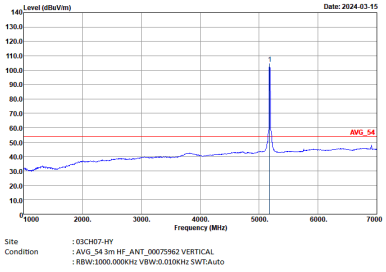
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

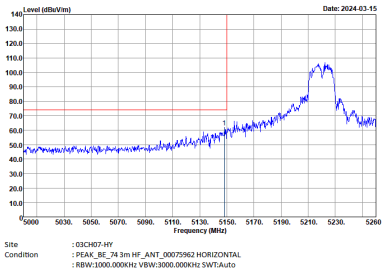
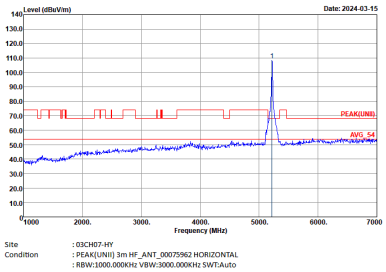
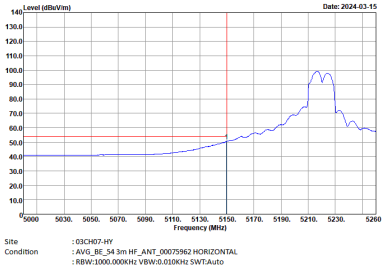
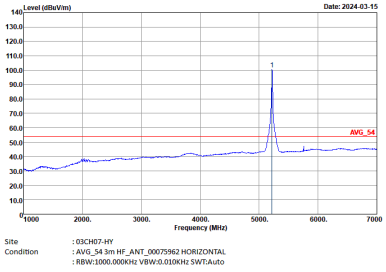
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

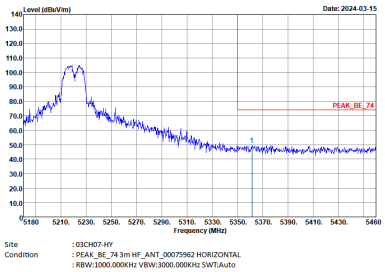
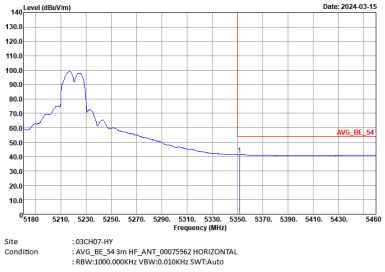
Band 1 5150~5250MHz

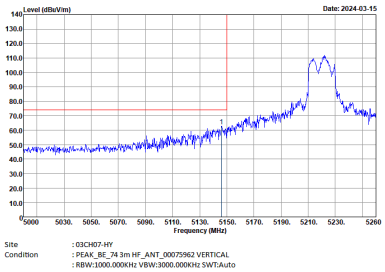
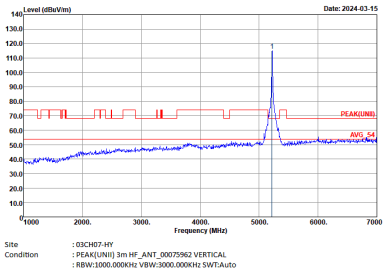
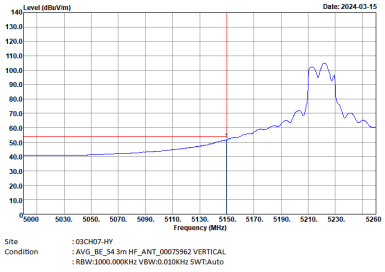
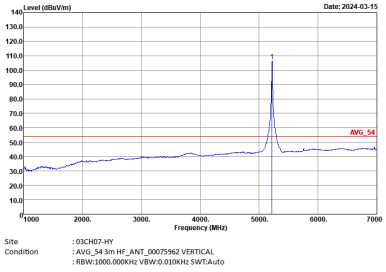
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

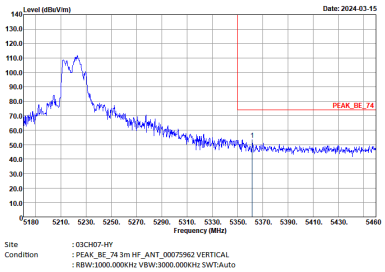
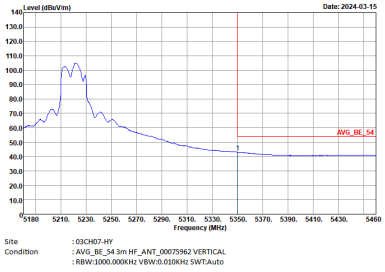
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
	Horizontal	Fundamental
Peak		
Avg.		

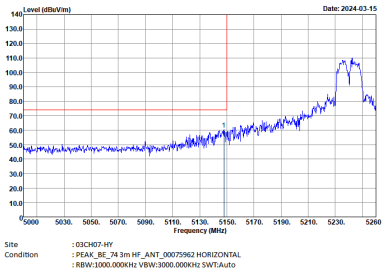
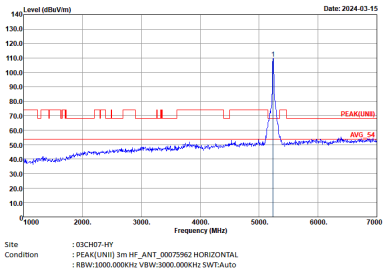
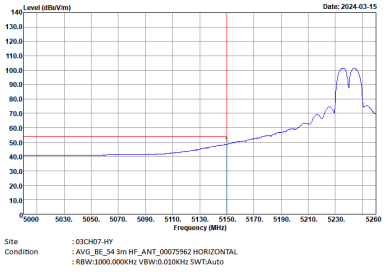
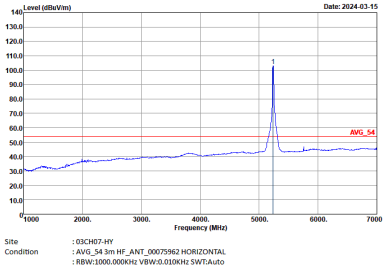
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
	Vertical	Fundamental
Peak		
Avg.		

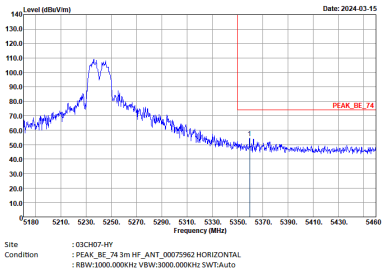
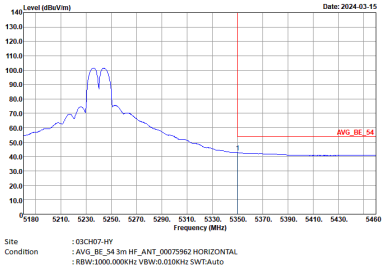
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

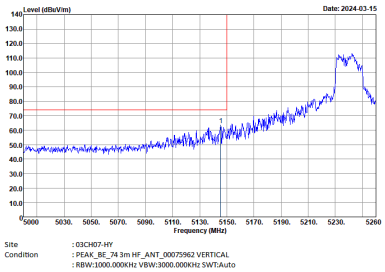
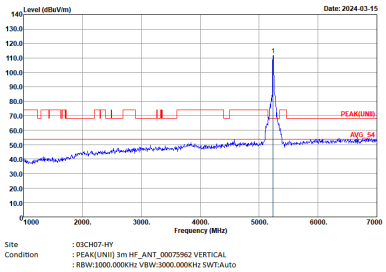
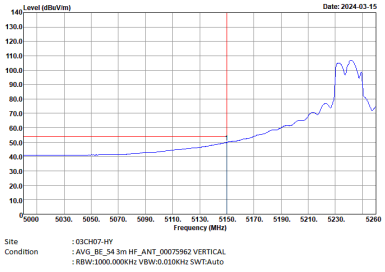
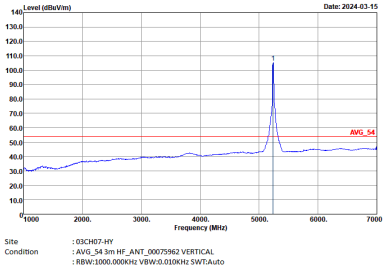
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

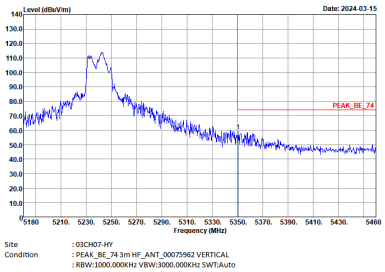
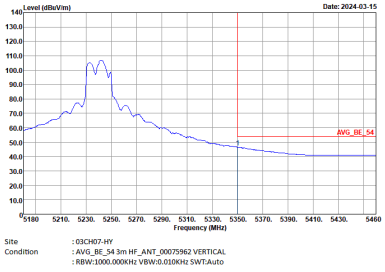
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

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

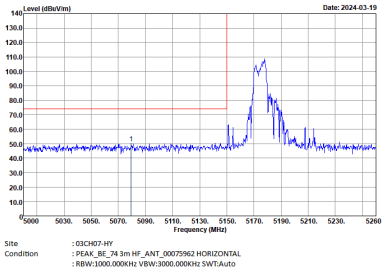
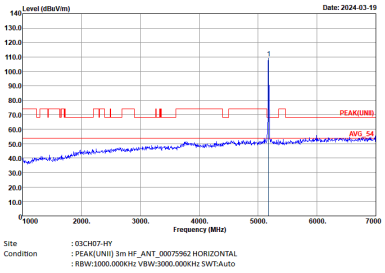
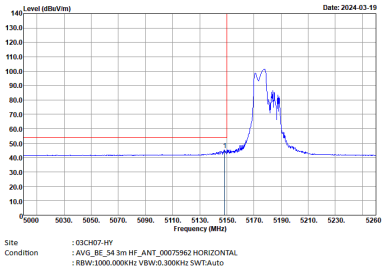
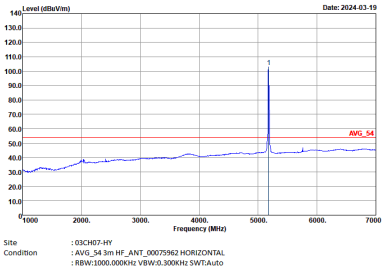
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

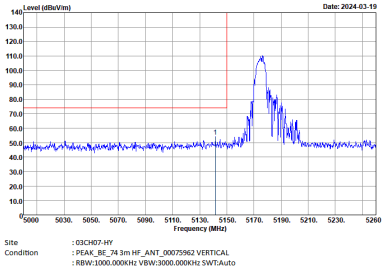
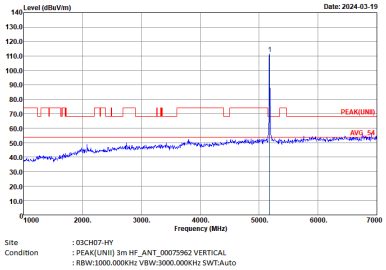
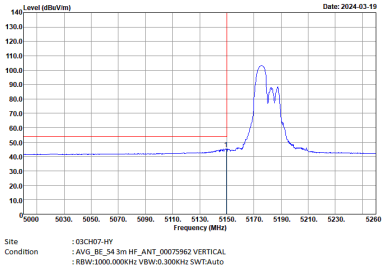
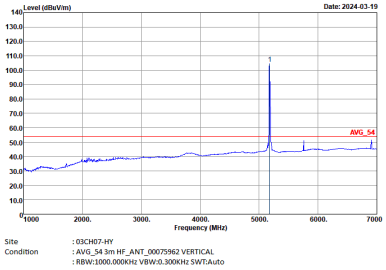
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

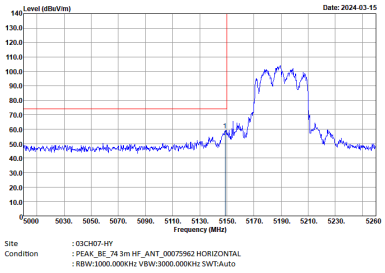
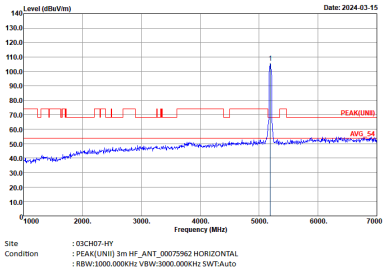
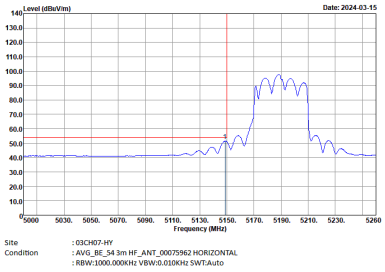
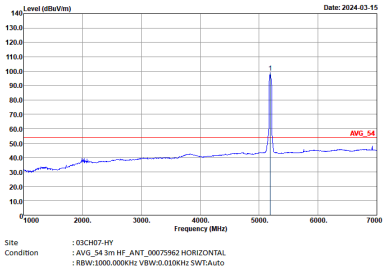
Band 1 5150~5250MHz

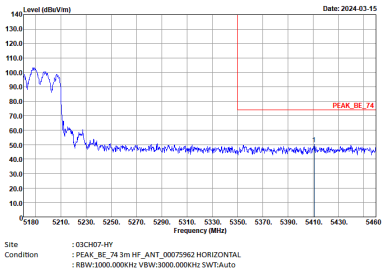
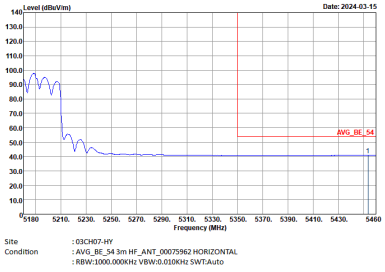
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

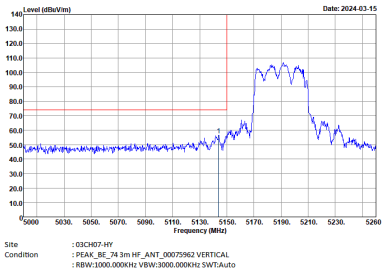
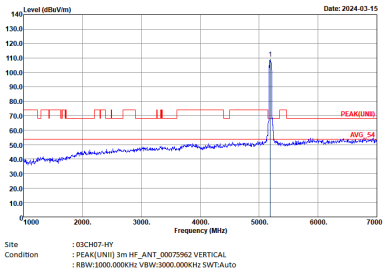
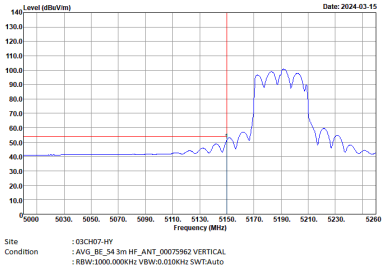
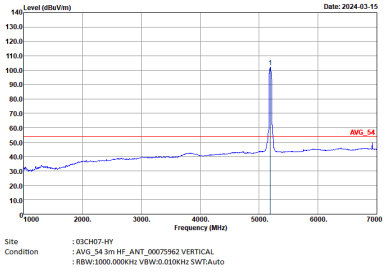
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
	Horizontal	Fundamental
Peak		
Avg.		

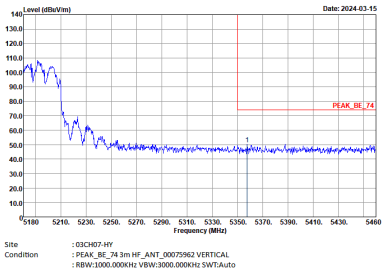
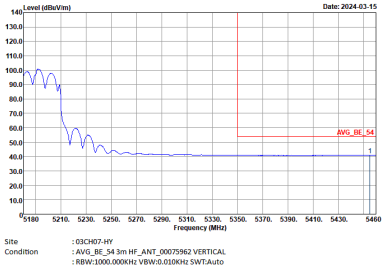
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
	Vertical	Fundamental
Peak		
Avg.		

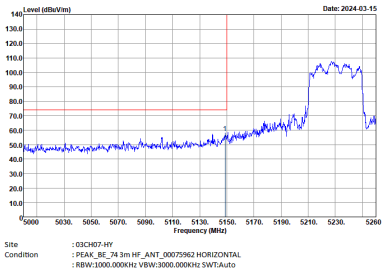
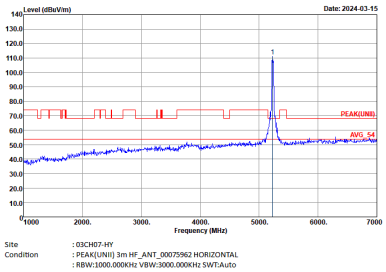
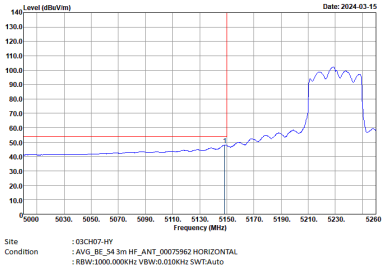
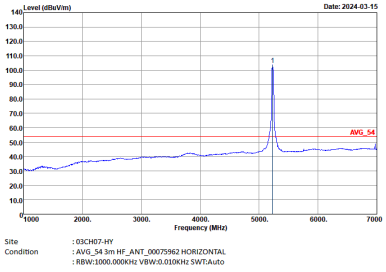
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

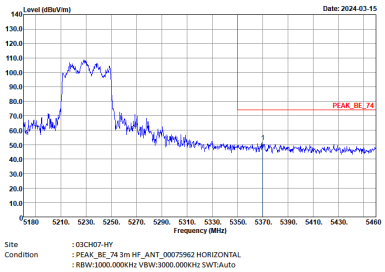
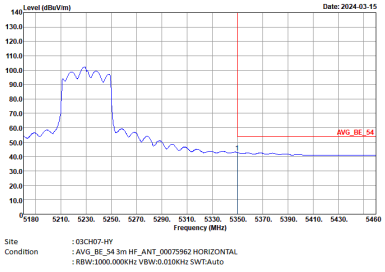
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

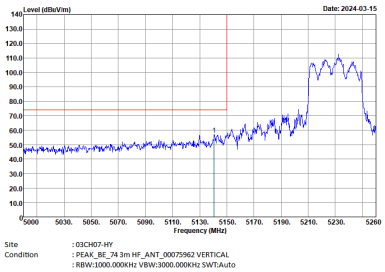
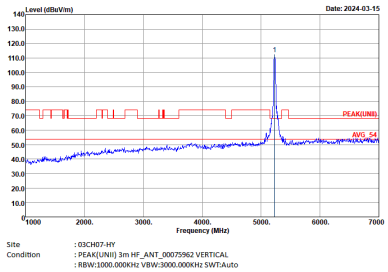
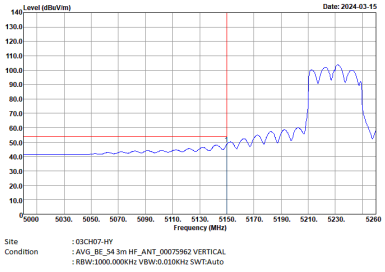
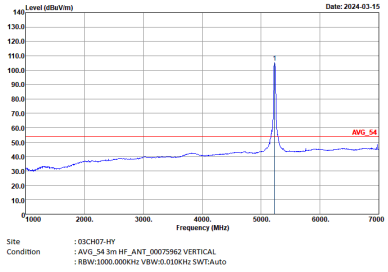
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

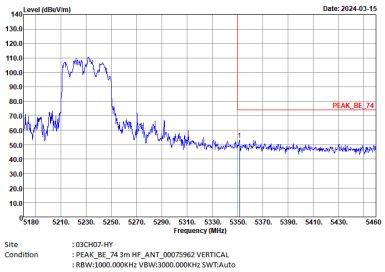
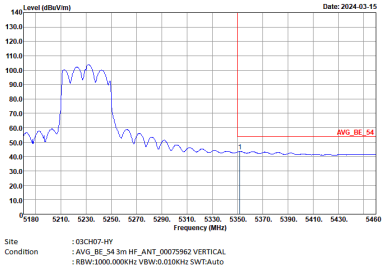
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

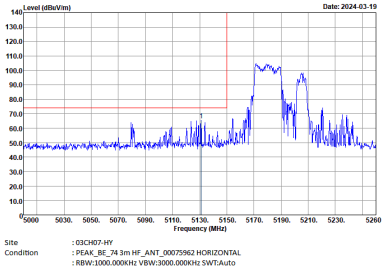
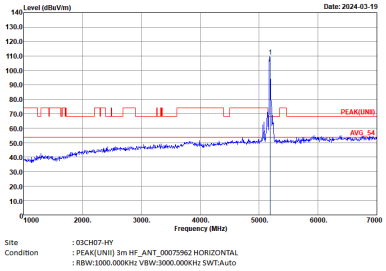
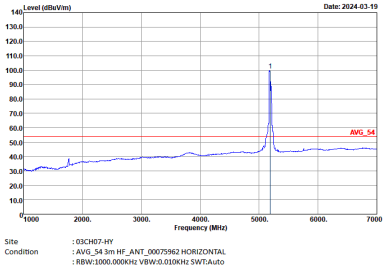
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

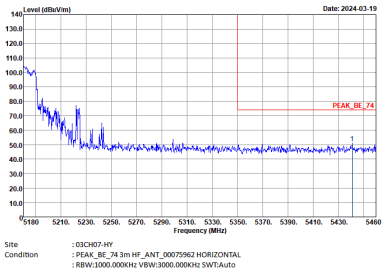
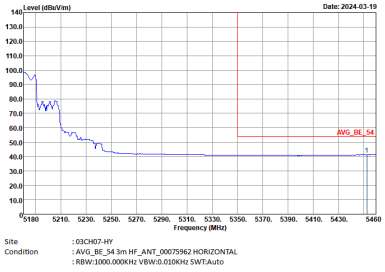
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

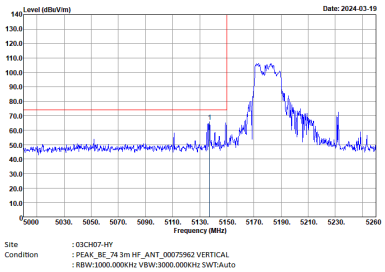
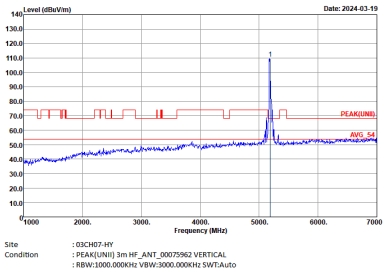
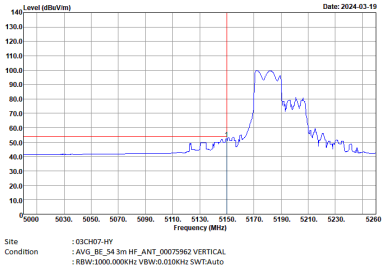
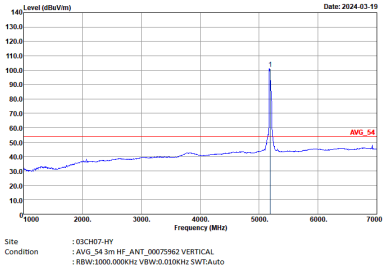
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

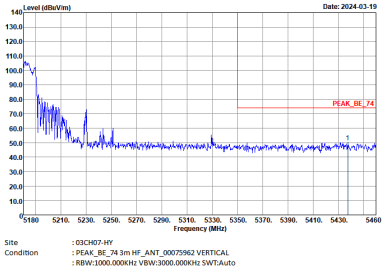
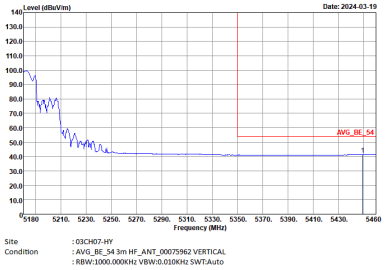
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

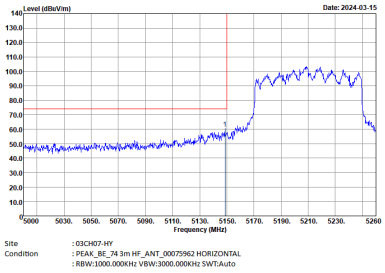
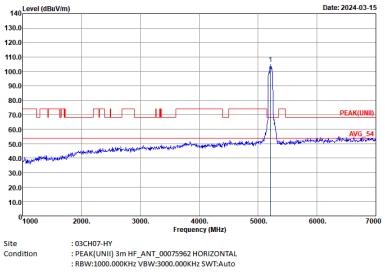
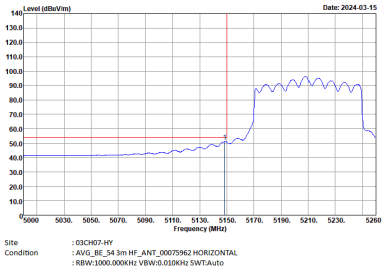
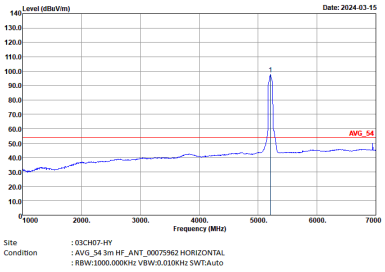
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

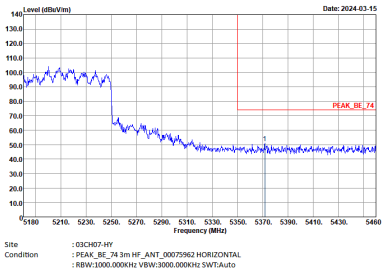
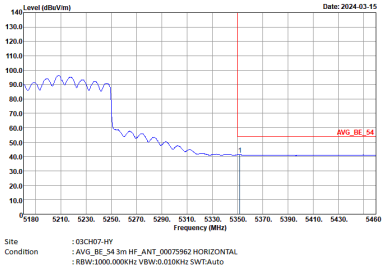
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

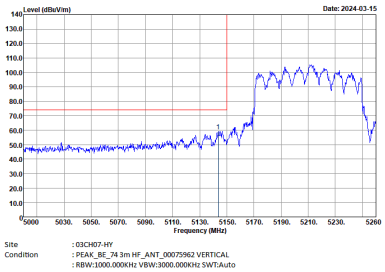
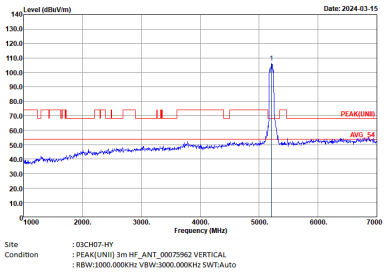
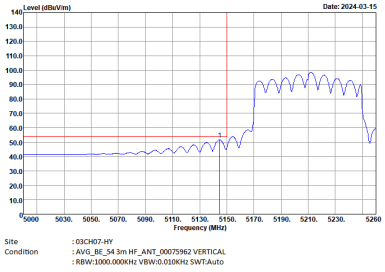
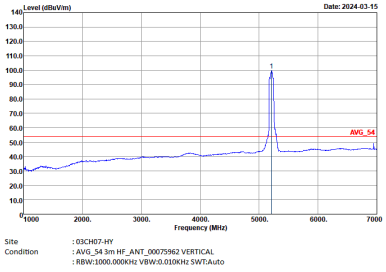
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

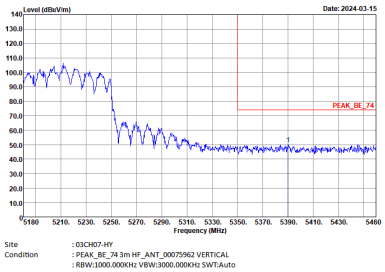
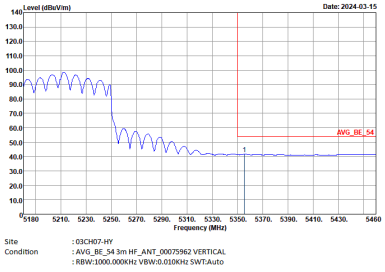
Band 1 5150~5250MHz

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

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

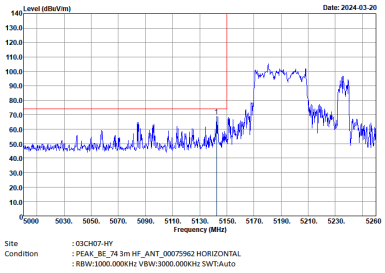
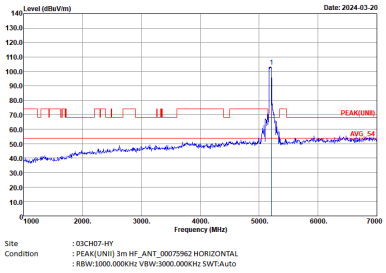
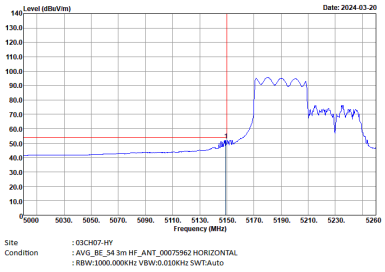
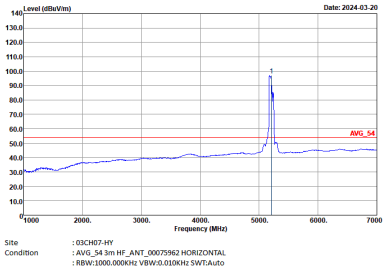
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

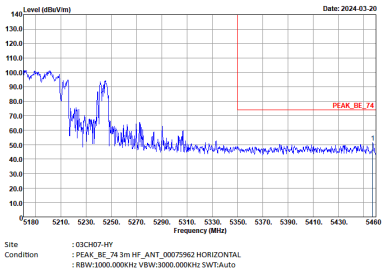
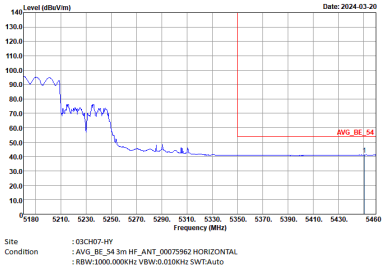
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

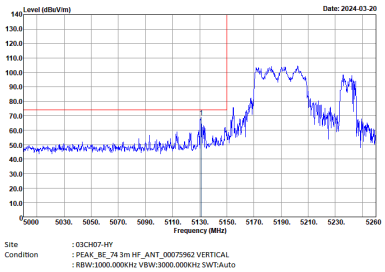
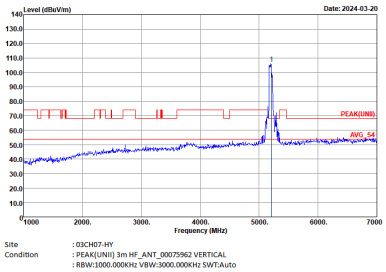
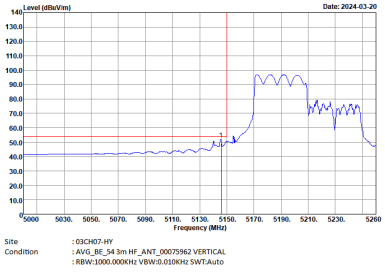
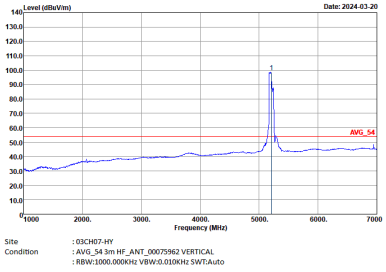
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

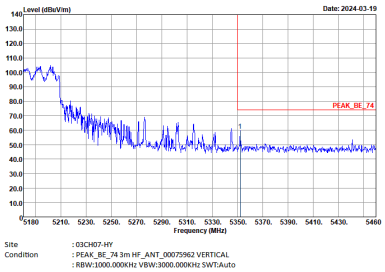
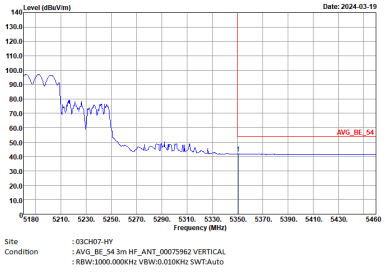
Band 1 5150~5250MHz

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

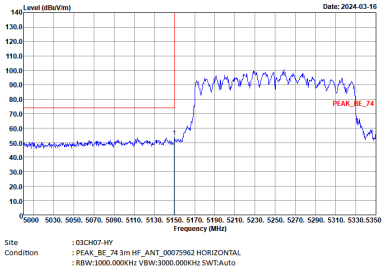
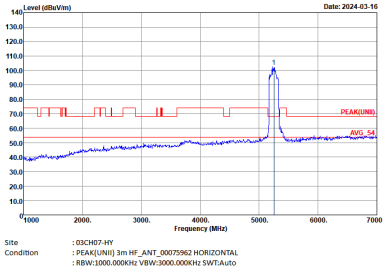
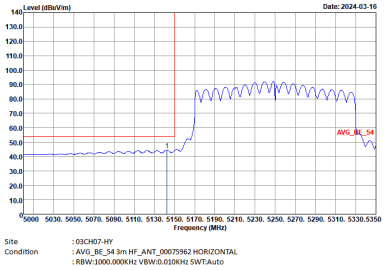
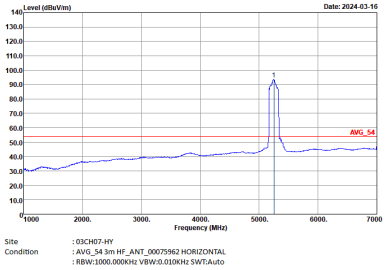
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

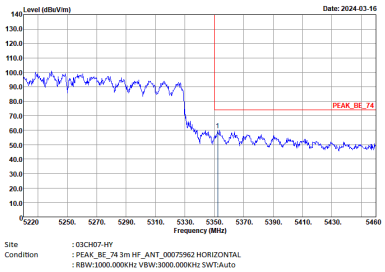
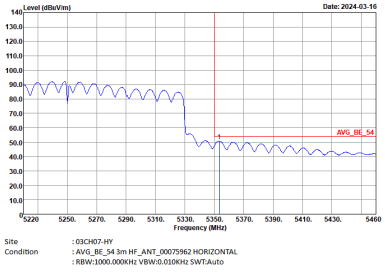
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

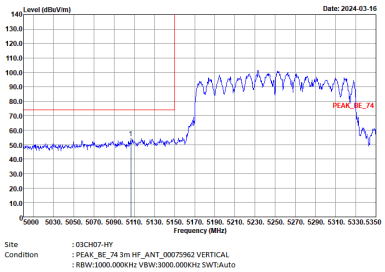
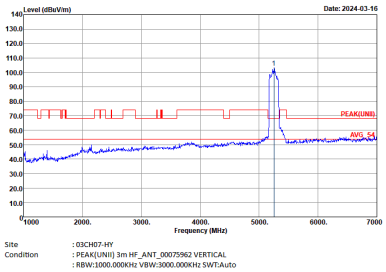
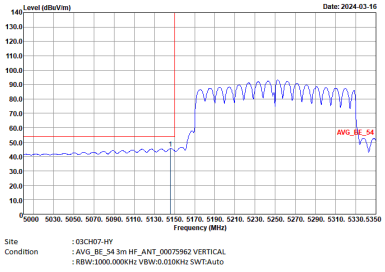
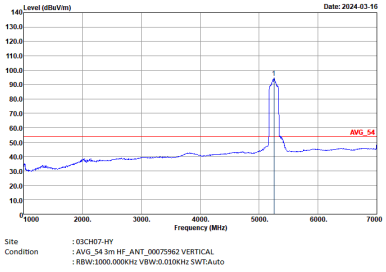
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

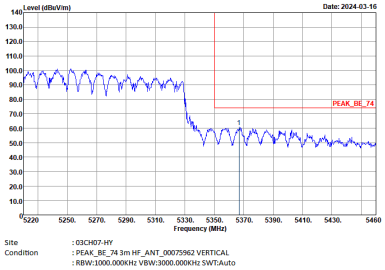
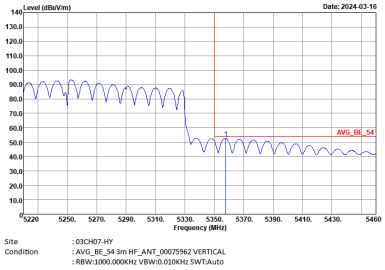
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

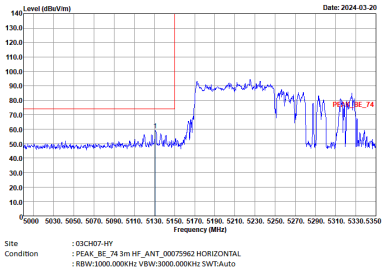
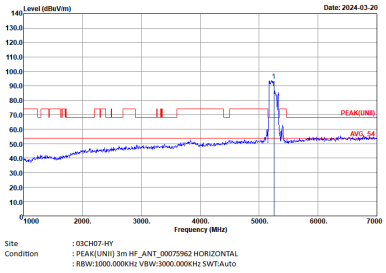
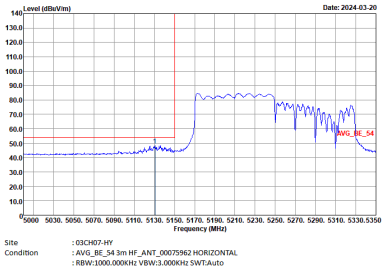
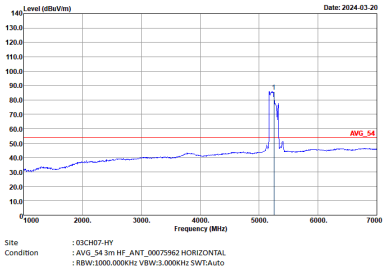
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

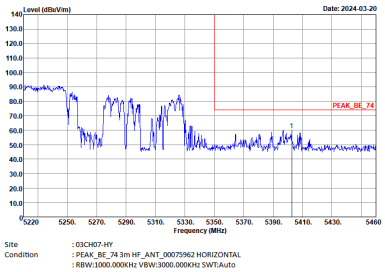
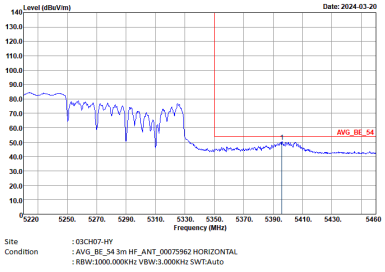
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

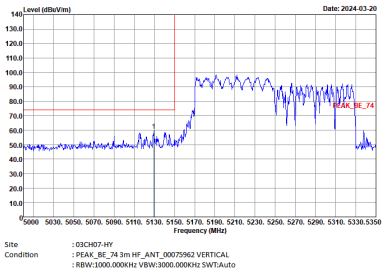
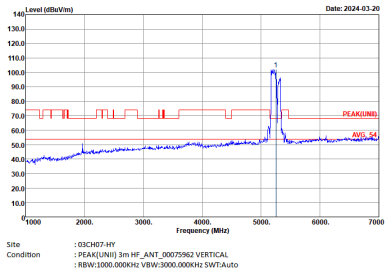
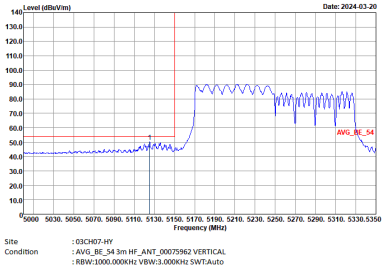
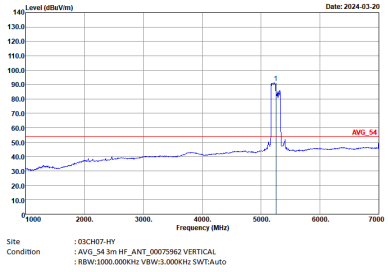
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

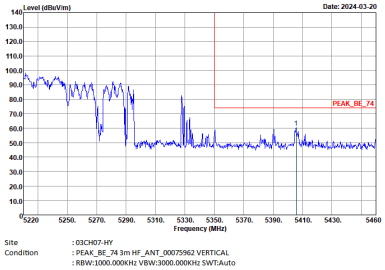
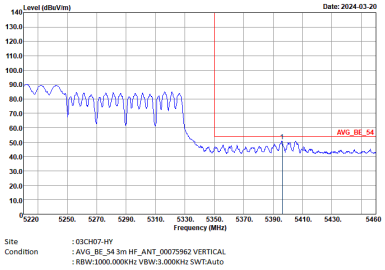
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

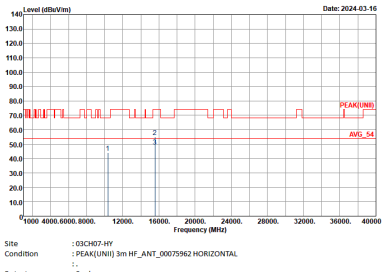
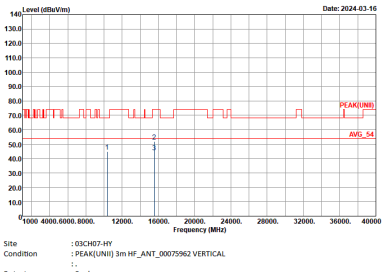
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

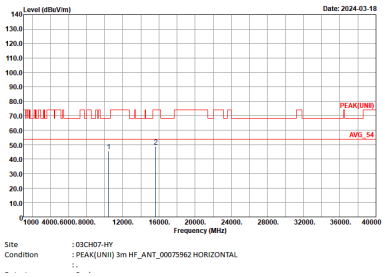
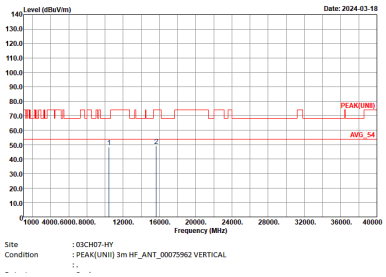
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

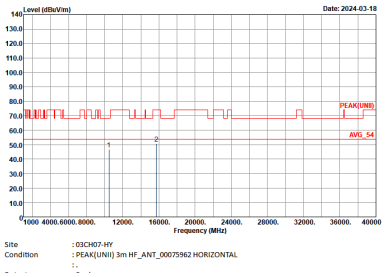
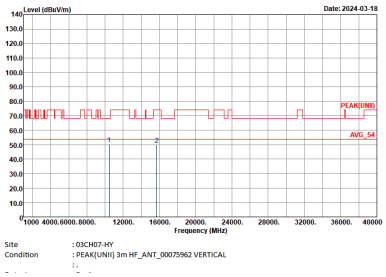
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

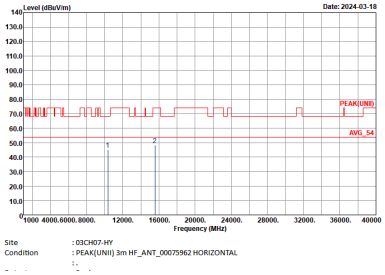
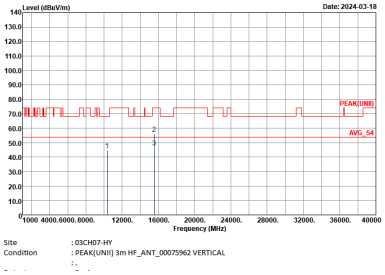
WIFI 802.11a (Harmonic @ 3m)

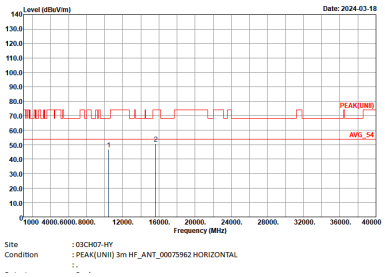
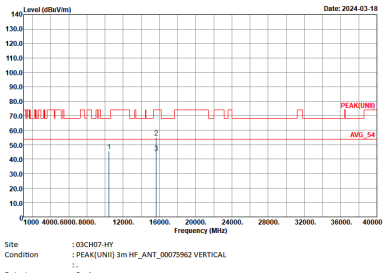
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
	Horizontal	Vertical
Peak Avg.		

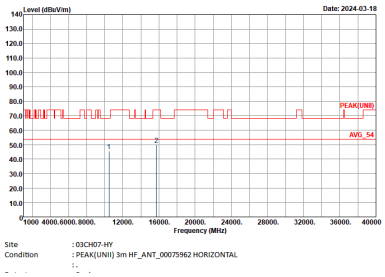
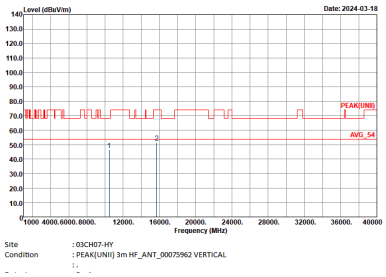
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
	Horizontal	Vertical
Peak Avg.		

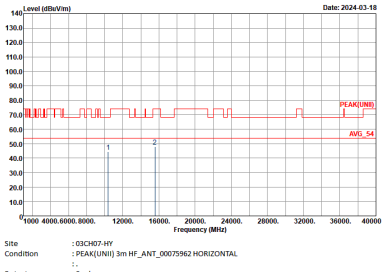
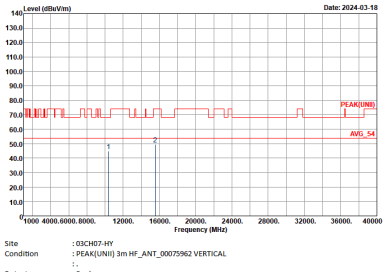
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
	Horizontal	Vertical
Peak Avg.