FCC RADIO TEST REPORT

FCC ID	:	**UZ7MC945B**
Equipment	:	**Mobile Computer**
Brand Name	:	**ZEBRA**
Model Name	:	**MC945B**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 06, 2023 and testing was performed from Nov. 10, 2023 to Jan. 19, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR3N2803E	01	Initial issue of report	Jan. 31, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.10 dB under the limit at 5728.60 MHz
3.5	15.207	AC Conducted Emission	Pass	11.34 dB under the limit at 0.40 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: Keven Cheng
Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	MC945B
FCC ID	UZ7MC945B
Sample 1	SE5800 + with Camera
Sample 2	SE4770 + without Camera
EUT supports Radios application	WCDMA/LTE/5G NR/GNSS/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	DV2
SW Version	13-10-31.00-TN-U00-PRD-NEM-04
FW Version	FUSION_QA_6_1.1.0.004_T
MFD	10NOV23
EUT Stage	Identical Prototype

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

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

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 6+7>** 802.11a: 21.93 dBm / 0.1560 W 802.11n HT20: 21.56 dBm / 0.1432 W 802.11n HT40: 21.21 dBm / 0.1321 W 802.11ac VHT20: 21.56 dBm / 0.1432 W 802.11ac VHT40: 21.21 dBm / 0.1321 W 802.11ac VHT80: 17.27 dBm / 0.0533 W 802.11ac VHT160: 15.87 dBm / 0.0386 W 802.11ax HE20: 21.66 dBm / 0.1466 W 802.11ax HE40: 21.31 dBm / 0.1352 W 802.11ax HE80: 17.37 dBm / 0.0546 W 802.11ax HE160: 15.97 dBm / 0.0395 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 6+7>** 802.11a: 21.43 dBm / 0.1390 W 802.11n HT20: 21.87 dBm / 0.1538 W 802.11n HT40: 20.26 dBm / 0.1062 W 802.11ac VHT20: 21.87 dBm / 0.1538 W 802.11ac VHT40: 20.26 dBm / 0.1062 W 802.11ac VHT80: 17.62 dBm / 0.0578 W 802.11ax HE20: 21.97 dBm / 0.1578 W 802.11ax HE40: 20.36 dBm / 0.1086 W 802.11ax HE80: 17.72 dBm / 0.0592 W 802.11ax HE160: 15.46 dBm / 0.0352 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 6+7>** 802.11a: 21.57 dBm / 0.1435 W 802.11n HT20: 21.41 dBm / 0.1384 W 802.11n HT40: 21.81 dBm / 0.1517 W 802.11ac VHT20: 21.41 dBm / 0.1384 W 802.11ac VHT40: 21.81 dBm / 0.1517 W 802.11ac VHT80: 20.76 dBm / 0.1191 W 802.11ac VHT160: 16.16 dBm / 0.0413 W 802.11ax HE20: 21.51 dBm / 0.1416 W 802.11ax HE40: 21.91 dBm / 0.1552 W 802.11ax HE80: 20.86 dBm / 0.1219 W 802.11ax HE160: 16.26 dBm / 0.0423 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 6>
802.11a: 16.38 MHz
802.11ax HE20: 18.88 MHz
802.11ax HE40: 37.86 MHz
802.11ax HE80: 76.84 MHz
802.11ax HE160: 155.84 MHz
MIMO <Ant. 7>
802.11a: 16.33 MHz
802.11ax HE20: 19.03 MHz
802.11ax HE40: 37.96 MHz
802.11ax HE80: 76.84 MHz
802.11ax HE160: 155.60 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
<Ant. 6>: PIFA Antenna
<Ant. 7>: PIFA Antenna
<5260 MHz ~ 5320 MHz>
<Ant. 6>: PIFA Antenna
<Ant. 7>: PIFA Antenna
<5500 MHz ~ 5720 MHz>
<Ant. 6>: PIFA Antenna
<Ant. 7>: PIFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 6>: 2.21 dBi
<Ant. 7>: 2.21 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 6>: 2.64 dBi
<Ant. 7>: 2.52 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 6>: 2.53 dBi
<Ant. 7>: 2.30 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 6</th><th>Ant. 7</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. 6+7 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 7. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 6 + Ant. 7 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 7.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 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 6 (dBi)	Ant 7 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.21	2.21	2.21	5.22	0.00	0.00
Band II	2.64	2.52	2.64	5.59	0.00	0.00
Band III	2.53	2.30	2.53	5.43	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= 2.64dBi; G_{ANT2}=2.52dBi

Directional gain of power measurement = max(2.64, 2.52) + 0 = 2.64 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.64dBi / 20) + 10^ (2.52 dBi / 20)] ^ 2 } / 2 }

= 5.59 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.

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

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (2.64 dBi / 20) + 10^ (2.52 dBi / 20)] ^ 2 } / 2 }

= 5.59 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. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

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

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

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

The power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by HE20)	**MCS0**
802.11n HT40 (Covered by HE40)	**MCS0**
802.11ac VHT20 (Covered by HE20)	**MCS0**
802.11ac VHT40 (Covered by HE40)	**MCS0**
802.11ac VHT80 (Covered by HE80)	**MCS0**
802.11ac VHT160 (Covered by HE160)	**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 : Keypad (53key) + MP3 play + WLAN (5GHz) Link + Bluetooth Link + Battery 2 Standard Battery (7000mAh) + Scan + USB Cable (Type C to Type A) with USB Cable (CUP) (Charging from Adapter USB Wall Charger) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 1 Standard Battery (7000mAh).	

MIMO <Ant. 6+7>

<Sample 1>

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

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

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

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

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

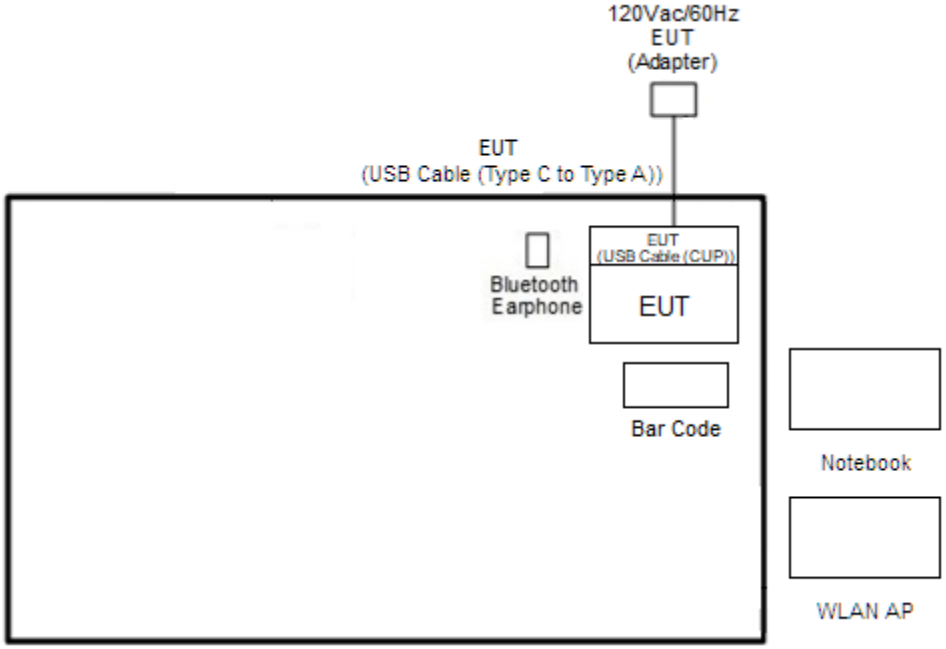
<Sample 2>

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

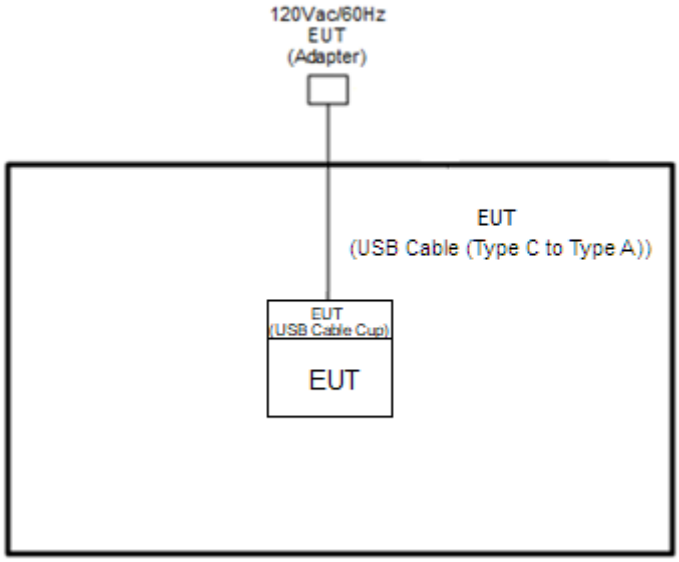
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bar Code	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v.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.

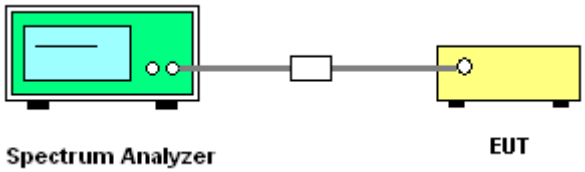
3.1.2 Measuring Instruments

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

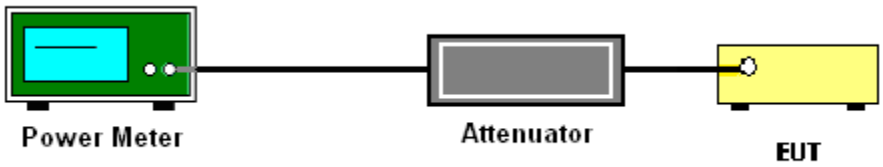
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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).

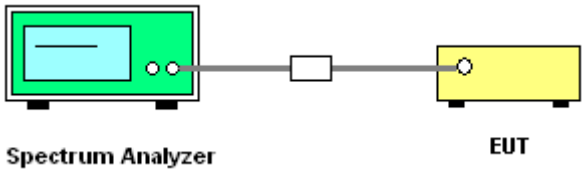
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

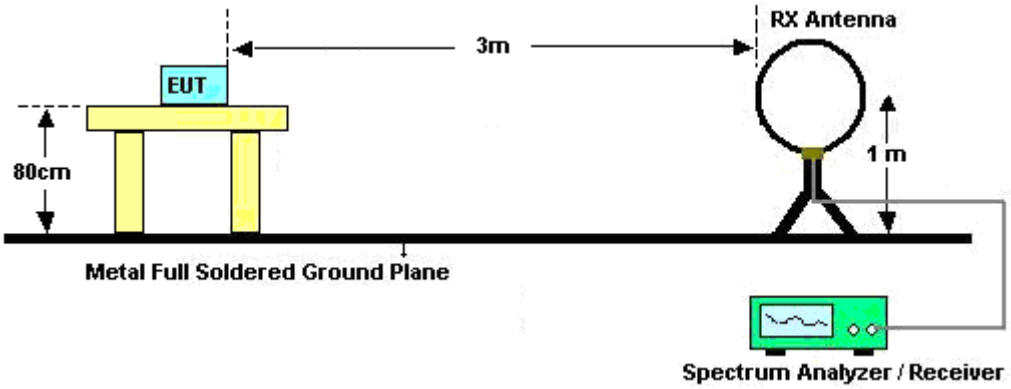
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

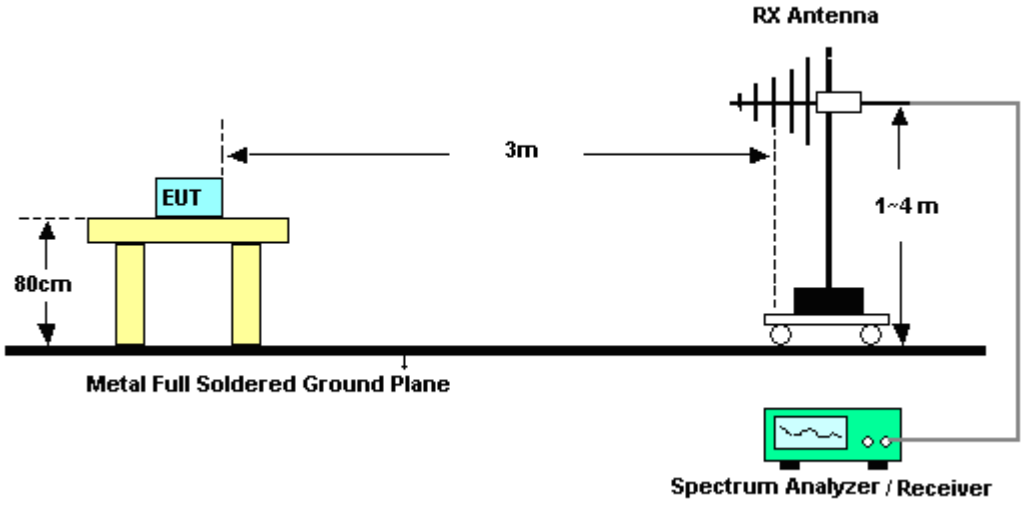
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

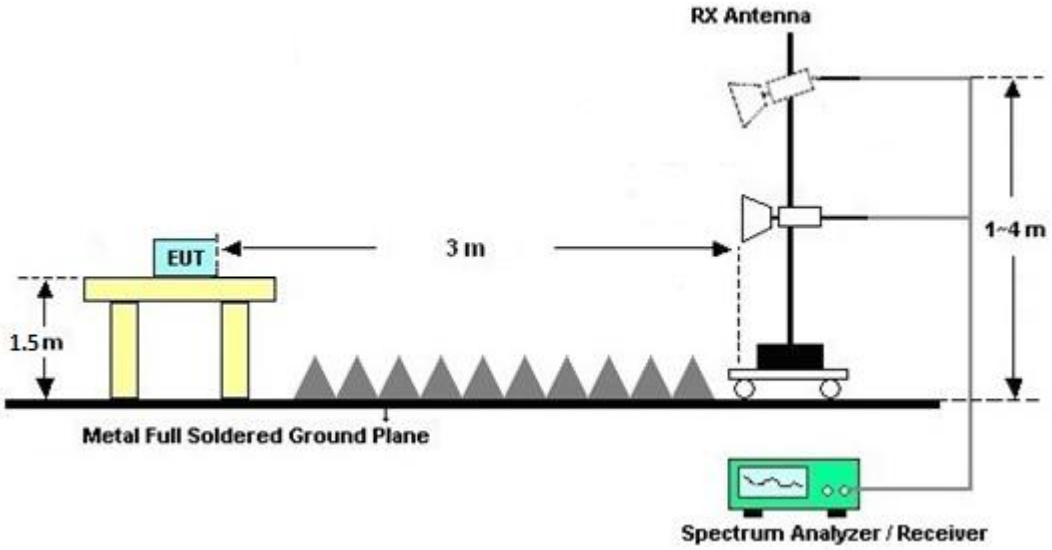
For radiated emissions below 30MHz



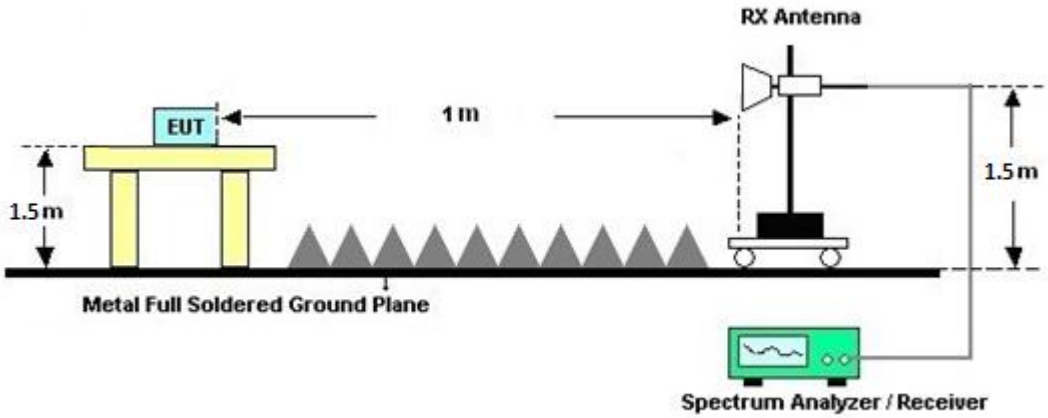
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

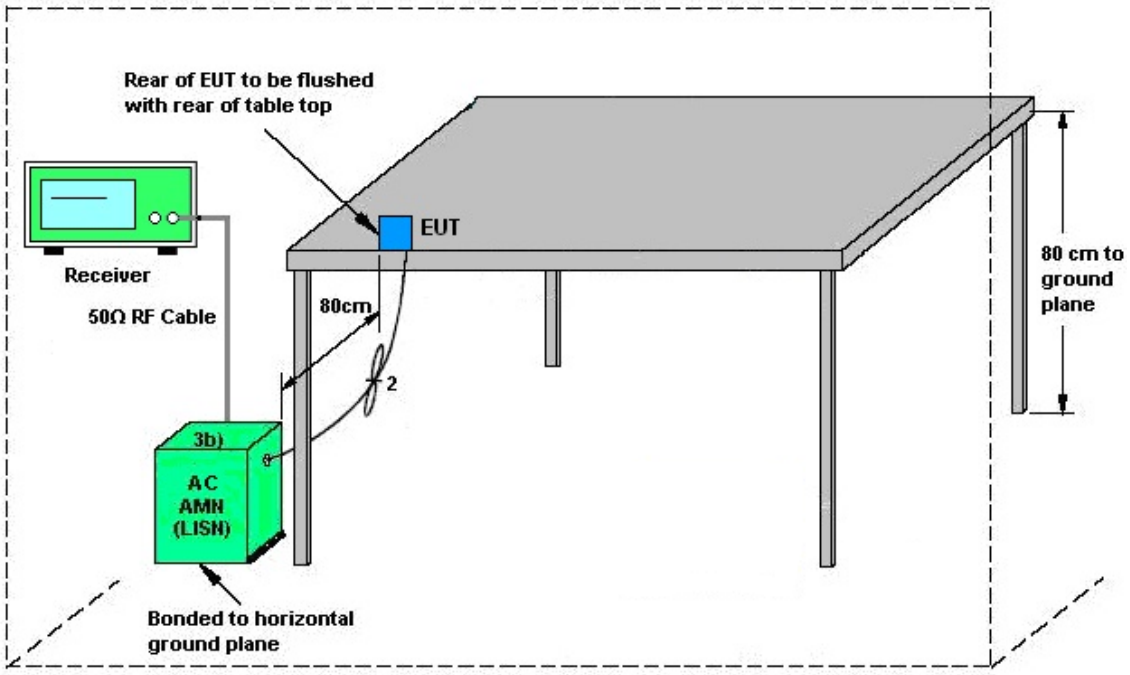
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 06, 2023	Dec. 01, 2023~ Jan. 19, 2024	Oct. 05, 2024	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Dec. 01, 2023~ Jan. 19, 2024	Sep. 11, 2024	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 06, 2023	Dec. 01, 2023~ Jan. 19, 2024	Sep. 05, 2024	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Dec. 01, 2023~ Jan. 19, 2024	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 01, 2023~ Jan. 19, 2024	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 01, 2023~ Jan. 19, 2024	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 22, 2022	Dec. 01, 2023~ Dec. 14, 2023	Dec. 21, 2023	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 12, 2023	Dec. 15, 2023~ Jan. 19, 2024	Dec. 11, 2024	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N1 D01N-06	55606 & 08	30MHz~1GHz	Oct. 20, 2023	Dec. 01, 2023~ Dec. 18, 2023	Oct. 19, 2024	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz-18GHz	Oct. 30, 2023	Dec. 01, 2023~ Jan. 19, 2024	Oct. 29, 2024	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz-40GHz	Jul. 10, 2023	Dec. 01, 2023~ Jan. 19, 2024	Jul. 09, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 02, 2023	Dec. 01, 2023~ Dec. 31, 2023	Jan. 01, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 01, 2024	Jan. 01, 2024~ Jan. 19, 2024	Dec. 31, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 13, 2023	Dec. 01, 2023~ Jan. 19, 2024	Nov. 12, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027/ 2	N/A	Jan. 18, 2023	Dec. 01, 2023~ Jan. 16, 2024	Jan. 17, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027/ 2	N/A	Jan. 17, 2024	Jan. 17, 2024~ Jan. 19, 2024	Jan. 16, 2025	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 28, 2023	Dec. 01, 2023~ Jan. 19, 2024	Mar. 27, 2024	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Dec. 01, 2023~ Jan. 19, 2024	N/A	Radiation (03CH20-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Dec. 20, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 20, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Dec. 20, 2023	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Dec. 20, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Dec. 20, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Dec. 20, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Dec. 20, 2023	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 10, 2023~ Jan. 03, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Nov. 10, 2023~ Jan. 03, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Nov. 10, 2023~ Jan. 03, 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))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.4 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2023/11/10~2024/01/03	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	16.33	16.33	19.46	19.43	-		22.13			
11a	6Mbps	2	44	5220	16.38	16.33	19.86	19.53	-		22.13		-	
11a	6Mbps	2	48	5240	16.33	16.33	19.20	19.10	-		22.13			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	17.80	17.10	20.47	24.00		2.21			Pass
11a	6Mbps	2	44	5220	19.30	18.50	21.93	24.00		2.21			Pass
11a	6Mbps	2	48	5240	18.60	17.50	21.10	24.00		2.21			Pass
HT20	MCS0	2	36	5180	17.50	17.20	20.36	24.00		2.21			Pass
HT20	MCS0	2	44	5220	18.40	18.70	21.56	24.00		2.21			Pass
HT20	MCS0	2	48	5240	18.80	18.10	21.47	24.00		2.21			Pass
HT40	MCS0	2	38	5190	14.70	14.50	17.61	24.00		2.21			Pass
HT40	MCS0	2	46	5230	18.30	18.10	21.21	24.00		2.21		-	Pass
VHT20	MCS0	2	36	5180	17.50	17.20	20.36	24.00		2.21			Pass
VHT20	MCS0	2	44	5220	18.40	18.70	21.56	24.00		2.21			Pass
VHT20	MCS0	2	48	5240	18.80	18.10	21.47	24.00		2.21			Pass
VHT40	MCS0	2	38	5190	14.70	14.50	17.61	24.00		2.21			Pass
VHT40	MCS0	2	46	5230	18.30	18.10	21.21	24.00		2.21			Pass
VHT80	MCS0	2	42	5210	14.50	14.00	17.27	24.00		2.21			Pass
VHT160	MCS0	2	50	5250	13.10	12.60	15.87	24.00		2.21			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	5180	0.65	0.67			9.53	11.00		5.22			Pass
11a	6Mbps	2	44	5220	0.65	0.67	-		10.92	11.00		5.22		-	Pass
11a	6Mbps	2	48	5240	0.65	0.67			10.43	11.00		5.22			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	52	5260	16.33	16.33	19.58	19.27	23.13		29.13		23.85		-
11a	6Mbps	2	60	5300	16.33	16.33	19.47	19.49	23.13		29.13		23.89		
11a	6Mbps	2	64	5320	16.33	16.33	19.07	19.31	23.13		29.13		23.80		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	18.60	17.60	21.14	23.85		2.64		30	Pass
11a	6Mbps	2	60	5300	18.80	18.00	21.43	23.89		2.64		30	Pass
11a	6Mbps	2	64	5320	18.00	17.10	20.58	23.80		2.64		30	Pass
HT20	MCS0	2	52	5260	18.70	18.00	21.37	23.98		2.64		30	Pass
HT20	MCS0	2	60	5300	19.20	18.50	21.87	23.98		2.64		30	Pass
HT20	MCS0	2	64	5320	16.70	16.30	19.51	23.98		2.64		30	Pass
HT40	MCS0	2	54	5270	17.40	17.10	20.26	23.98		2.64		30	Pass
HT40	MCS0	2	62	5310	14.30	14.60	17.46	23.98		2.64		30	Pass
VHT20	MCS0	2	52	5260	18.70	18.00	21.37	23.98		2.64		30	Pass
VHT20	MCS0	2	60	5300	19.20	18.50	21.87	23.98		2.64		30	Pass
VHT20	MCS0	2	64	5320	16.70	16.30	19.51	23.98		2.64		30	Pass
VHT40	MCS0	2	54	5270	17.40	17.10	20.26	23.98		2.64		30	Pass
VHT40	MCS0	2	62	5310	14.30	14.60	17.46	23.98		2.64		30	Pass
VHT80	MCS0	2	58	5290	14.90	14.30	17.62	23.98		2.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	52	5260	0.65	0.67			10.65	11.00		5.59			Pass
11a	6Mbps	2	60	5300	0.65	0.67	-		10.71	11.00		5.59		-	Pass
11a	6Mbps	2	64	5320	0.65	0.67			10.17	11.00		5.59			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	100	5500	16.33	16.33	19.55	19.57	23.13		29.13		23.91		----	----
11a	6Mbps	2	116	5580	16.33	16.33	19.25	19.51	23.13		29.13		23.84		----	----
11a	6Mbps	2	140	5700	16.33	16.33	19.26	19.43	23.13		29.13		23.85		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	144	5720	13.19	13.19	14.74	14.64	22.20		28.20		22.66		2.53	2.51

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	100	5500	18.50	17.40	21.00	23.91		2.53		30	Pass
11a	6Mbps	2	116	5580	18.90	18.00	21.48	23.84		2.53		30	Pass
11a	6Mbps	2	140	5700	17.20	17.30	20.26	23.85		2.53		30	Pass
HT20	MCS0	2	100	5500	17.20	16.80	20.01	23.98		2.53		30	Pass
HT20	MCS0	2	116	5580	18.60	18.20	21.41	23.98		2.53		30	Pass
HT20	MCS0	2	140	5700	15.50	16.10	18.82	23.98		2.53		30	Pass
HT40	MCS0	2	102	5510	16.20	16.30	19.26	23.98		2.53		30	Pass
HT40	MCS0	2	110	5550	18.30	17.70	21.02	23.98		2.53		30	Pass
HT40	MCS0	2	134	5670	17.40	17.70	20.56	23.98		2.53		30	Pass
VHT20	MCS0	2	100	5500	17.20	16.80	20.01	23.98		2.53		30	Pass
VHT20	MCS0	2	116	5580	18.60	18.20	21.41	23.98		2.53		30	Pass
VHT20	MCS0	2	140	5700	15.50	16.10	18.82	23.98		2.53		30	Pass
VHT40	MCS0	2	102	5510	16.20	16.30	19.26	23.98		2.53		30	Pass
VHT40	MCS0	2	110	5550	18.30	17.70	21.02	23.98		2.53		30	Pass
VHT40	MCS0	2	134	5670	17.40	17.70	20.56	23.98		2.53		30	Pass
VHT80	MCS0	2	106	5530	16.10	16.10	19.11	23.98		2.53		30	Pass
VHT80	MCS0	2	122	5610	17.50	17.80	20.66	23.98		2.53		30	Pass
VHT160	MCS0	2	114	5570	13.30	13.00	16.16	23.98		2.53		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	144	5720	18.80	18.30	21.57	22.66		2.53		30	Pass
HT20	MCS0	2	144	5720	18.50	18.30	21.41	23.98		2.53		30	Pass
HT40	MCS0	2	142	5710	18.70	18.90	21.81	23.98		2.53		30	Pass
VHT20	MCS0	2	144	5720	18.50	18.30	21.41	23.98		2.53		30	Pass
VHT40	MCS0	2	142	5710	18.70	18.90	21.81	23.98		2.53		30	Pass
VHT80	MCS0	2	138	5690	17.70	17.80	20.76	23.98		2.53		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	100	5500	0.65	0.67	-		10.43	11.00		5.43		-	Pass
11a	6Mbps	2	116	5580	0.65	0.67			10.88	11.00		5.43			Pass
11a	6Mbps	2	140	5700	0.65	0.67			9.32	11.00		5.43			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	144	5720	0.65	0.67	-		10.67	11.00		5.43		-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	18.83	18.83	20.86	21.01	-		22.75			
HE20	MCS0	2	44	5220	Full	18.88	19.03	20.94	24.81	-		22.76			
HE20	MCS0	2	48	5240	Full	18.88	18.93	21.41	22.22	-		22.76			
HE40	MCS0	2	38	5190	Full	37.66	37.86	41.28	41.07	-		23.01		-	-
HE40	MCS0	2	46	5230	Full	37.86	37.76	41.34	41.09	-		23.01			
HE80	MCS0	2	42	5210	Full	76.72	76.72	81.28	81.41	-		23.01			
HE160	MCS0	2	50	5250	Full	155.60	155.60	164.59	164.02	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	17.60	17.30	20.46	24.00		2.21			Pass
HE20	MCS0	2	36	5180	26/0	9.30	9.20	12.26	24.00		2.21			Pass
HE20	MCS0	2	36	5180	52/37	11.20	11.40	14.31	24.00		2.21			Pass
HE20	MCS0	2	36	5180	106/53	14.90	15.00	17.96	24.00		2.21			Pass
HE20	MCS0	2	44	5220	Full	18.50	18.80	21.66	24.00		2.21			Pass
HE20	MCS0	2	44	5220	26/4	12.00	12.40	15.21	24.00		2.21			Pass
HE20	MCS0	2	44	5220	52/38	13.80	14.00	16.91	24.00		2.21			Pass
HE20	MCS0	2	44	5220	106/53	16.90	17.10	20.01	24.00		2.21			Pass
HE20	MCS0	2	48	5240	Full	18.90	18.20	21.57	24.00		2.21			Pass
HE20	MCS0	2	48	5240	26/8	10.20	10.70	13.47	24.00		2.21			Pass
HE20	MCS0	2	48	5240	52/40	13.20	13.20	16.21	24.00		2.21		-	Pass
HE20	MCS0	2	48	5240	106/54	16.20	16.40	19.31	24.00		2.21			Pass
HE40	MCS0	2	38	5190	Full	14.80	14.60	17.71	24.00		2.21			Pass
HE40	MCS0	2	38	5190	242/61	13.90	14.00	16.96	24.00		2.21			Pass
HE40	MCS0	2	46	5230	Full	18.40	18.20	21.31	24.00		2.21			Pass
HE40	MCS0	2	46	5230	242/62	17.20	17.20	20.21	24.00		2.21			Pass
HE80	MCS0	2	42	5210	Full	14.60	14.10	17.37	24.00		2.21			Pass
HE80	MCS0	2	42	5210	484/65	13.80	13.60	16.71	24.00		2.21			Pass
HE160	MCS0	2	50	5250	Full	13.20	12.70	15.97	24.00		2.21			Pass
HE160	MCS0	2	50	5250	996/67	12.70	12.50	15.61	24.00		2.21			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	36	5180	Full	0.62	0.66			9.27	11.00		5.22			Pass
HE20	MCS0	2	36	5180	26/0	0.63	0.63			8.88	11.00		5.22			Pass
HE20	MCS0	2	36	5180	52/37	0.64	0.64			9.04	11.00		5.22			Pass
HE20	MCS0	2	36	5180	106/53	0.67	0.67			7.30	11.00		5.22			Pass
HE20	MCS0	2	44	5220	Full	0.62	0.66			10.84	11.00		5.22			Pass
HE20	MCS0	2	44	5220	26/4	0.63	0.63			10.50	11.00		5.22			Pass
HE20	MCS0	2	44	5220	52/38	0.64	0.64			10.27	11.00		5.22			Pass
HE20	MCS0	2	44	5220	106/53	0.67	0.67			10.63	11.00		5.22			Pass
HE20	MCS0	2	48	5240	Full	0.62	0.66			10.53	11.00		5.22			Pass
HE20	MCS0	2	48	5240	26/8	0.63	0.63			10.17	11.00		5.22			Pass
HE20	MCS0	2	48	5240	52/40	0.64	0.64	-		10.06	11.00		5.22		-	Pass
HE20	MCS0	2	48	5240	106/54	0.67	0.67			10.06	11.00		5.22			Pass
HE40	MCS0	2	38	5190	Full	0.66	0.66			4.30	11.00		5.22			Pass
HE40	MCS0	2	38	5190	242/61	0.65	0.65			4.16	11.00		5.22			Pass
HE40	MCS0	2	46	5230	Full	0.66	0.66			7.66	11.00		5.22			Pass
HE40	MCS0	2	46	5230	242/62	0.65	0.65			7.31	11.00		5.22			Pass
HE80	MCS0	2	42	5210	Full	0.65	0.65			1.43	11.00		5.22			Pass
HE80	MCS0	2	42	5210	484/65	0.66	0.66			0.84	11.00		5.22			Pass
HE160	MCS0	2	50	5250	Full	0.64	0.64			-2.83	11.00		5.22			Pass
HE160	MCS0	2	50	5250	996/67	0.66	0.66			-3.07	11.00		5.22			Pass
HE160	MCS0	2	50	5250	996/S67	0.66	0.66			-3.24	11.00		5.22			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	52	5260	Full	18.83	18.98	20.90	21.20	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	Full	18.83	18.83	21.11	29.92	23.75		29.75		23.98		
HE20	MCS0	2	64	5320	Full	18.83	18.83	20.96	21.06	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.66	37.76	41.23	41.09	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.76	37.66	41.30	41.09	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.84	76.72	81.89	81.86	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	18.80	18.10	21.47	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	26/0	10.30	10.70	13.51	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	52/37	13.70	13.70	16.71	23.98		2.64		30	Pass
HE20	MCS0	2	52	5260	106/53	16.70	16.80	19.76	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	Full	19.30	18.60	21.97	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	26/4	11.90	12.30	15.11	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	52/38	13.80	14.70	17.28	23.98		2.64		30	Pass
HE20	MCS0	2	60	5300	106/53	15.00	15.30	18.16	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	Full	16.80	16.40	19.61	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	26/8	8.20	9.20	11.74	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	52/40	11.60	12.20	14.92	23.98		2.64		30	Pass
HE20	MCS0	2	64	5320	106/54	14.20	15.20	17.74	23.98		2.64		30	Pass
HE40	MCS0	2	54	5270	Full	17.50	17.20	20.36	23.98		2.64		30	Pass
HE40	MCS0	2	54	5270	242/61	15.60	16.00	18.81	23.98		2.64		30	Pass
HE40	MCS0	2	62	5310	Full	14.40	14.70	17.56	23.98		2.64		30	Pass
HE40	MCS0	2	62	5310	242/62	13.10	13.50	16.31	23.98		2.64		30	Pass
HE80	MCS0	2	58	5290	Full	15.00	14.40	17.72	23.98		2.64		30	Pass
HE80	MCS0	2	58	5290	484/66	13.20	13.90	16.57	23.98		2.64		30	Pass
HE160	MCS0	2	50	5250	996/S67	12.50	12.40	15.46	23.98		2.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	52	5260	Full	0.62	0.66			10.56	11.00		5.59			Pass
HE20	MCS0	2	52	5260	26/0	0.63	0.63			10.16	11.00		5.59			Pass
HE20	MCS0	2	52	5260	52/37	0.64	0.64			10.30	11.00		5.59			Pass
HE20	MCS0	2	52	5260	106/53	0.67	0.67			10.52	11.00		5.59			Pass
HE20	MCS0	2	60	5300	Full	0.62	0.66			10.86	11.00		5.59			Pass
HE20	MCS0	2	60	5300	26/4	0.63	0.63			10.45	11.00		5.59			Pass
HE20	MCS0	2	60	5300	52/38	0.64	0.64			10.76	11.00		5.59			Pass
HE20	MCS0	2	60	5300	106/53	0.67	0.67			10.35	11.00		5.59			Pass
HE20	MCS0	2	64	5320	Full	0.62	0.66			8.82	11.00		5.59			Pass
HE20	MCS0	2	64	5320	26/8	0.63	0.63	-		8.32	11.00		5.59		-	Pass
HE20	MCS0	2	64	5320	52/40	0.64	0.64			8.76	11.00		5.59			Pass
HE20	MCS0	2	64	5320	106/54	0.67	0.67			8.31	11.00		5.59			Pass
HE40	MCS0	2	54	5270	Full	0.66	0.66			6.67	11.00		5.59			Pass
HE40	MCS0	2	54	5270	242/61	0.65	0.65			6.29	11.00		5.59			Pass
HE40	MCS0	2	62	5310	Full	0.66	0.66			3.78	11.00		5.59			Pass
HE40	MCS0	2	62	5310	242/62	0.65	0.65			3.21	11.00		5.59			Pass
HE80	MCS0	2	58	5290	Full	0.65	0.65			1.97	11.00		5.59			Pass
HE80	MCS0	2	58	5290	484/66	0.66	0.66			0.56	11.00		5.59			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	100	5500	Full	18.83	18.83	20.79	20.99	23.75		29.75		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.83	18.93	21.20	21.81	23.75		29.75		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.83	18.83	20.88	21.04	23.75		29.75		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.76	41.22	40.93	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.66	37.96	41.25	41.49	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.66	37.96	41.10	41.46	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.84	81.34	81.89	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.72	76.84	81.41	81.38	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	155.84	155.60	163.92	164.40	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
HE20	MCS0	2	144	5720	Full	14.44	14.49	15.78	15.68	22.60		28.60		22.95		2.515	3.41
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.69	35.82	23.98		30.00		23.98		2.541	2.487
HE80	MCS0	2	138	5690	Full	73.48	73.48	76.06	75.96	23.98		30.00		23.98		2.52	0.008

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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 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	100	5500	Full	17.30	16.90	20.11	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	26/0	9.30	9.40	12.36	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	52/37	12.60	12.60	15.61	23.98		2.53		30	Pass
HE20	MCS0	2	100	5500	106/53	13.00	12.90	15.96	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	Full	18.70	18.30	21.51	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	26/4	12.20	12.00	15.11	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	52/38	14.00	14.40	17.21	23.98		2.53		30	Pass
HE20	MCS0	2	116	5580	106/53	16.80	17.00	19.91	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	Full	15.60	16.20	18.92	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	26/8	7.90	8.40	11.17	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	52/40	11.20	11.40	14.31	23.98		2.53		30	Pass
HE20	MCS0	2	140	5700	106/54	12.40	13.00	15.72	23.98		2.53		30	Pass
HE40	MCS0	2	102	5510	Full	16.30	16.40	19.36	23.98		2.53		30	Pass
HE40	MCS0	2	102	5510	242/61	13.70	13.70	16.71	23.98		2.53		30	Pass
HE40	MCS0	2	110	5550	Full	18.40	17.80	21.12	23.98		2.53		30	Pass
HE40	MCS0	2	110	5550	242/61	17.50	17.40	20.46	23.98		2.53		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	17.80	20.66	23.98		2.53		30	Pass
HE40	MCS0	2	134	5670	242/62	14.10	14.50	17.31	23.98		2.53		30	Pass
HE80	MCS0	2	106	5530	Full	16.20	16.20	19.21	23.98		2.53		30	Pass
HE80	MCS0	2	106	5530	484/65	12.90	13.20	16.06	23.98		2.53		30	Pass
HE80	MCS0	2	122	5610	Full	17.60	17.90	20.76	23.98		2.53		30	Pass
HE80	MCS0	2	122	5610	484/66	13.40	14.00	16.72	23.98		2.53		30	Pass
HE160	MCS0	2	114	5570	Full	13.40	13.10	16.26	23.98		2.53		30	Pass
HE160	MCS0	2	114	5570	996/67	12.50	12.60	15.56	23.98		2.53		30	Pass
HE160	MCS0	2	114	5570	996/S67	12.40	12.80	15.61	23.98		2.53		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	18.60	18.40	21.51	22.95		2.53		30	Pass
HE20	MCS0	2	144	5720	26/8	10.40	10.90	13.67	22.95		2.53		30	Pass
HE20	MCS0	2	144	5720	52/40	13.40	13.80	16.61	22.95		2.53		30	Pass
HE20	MCS0	2	144	5720	106/54	15.80	16.40	19.12	22.95		2.53		30	Pass
HE40	MCS0	2	142	5710	Full	18.80	19.00	21.91	23.98		2.53		30	Pass
HE40	MCS0	2	142	5710	242/62	16.90	17.40	20.17	23.98		2.53		30	Pass
HE80	MCS0	2	138	5690	Full	17.80	17.90	20.86	23.98		2.53		30	Pass
HE80	MCS0	2	138	5690	484/66	17.10	17.20	20.16	23.98		2.53		30	Pass

TEST RESULTS DATA
Power Spectral Density

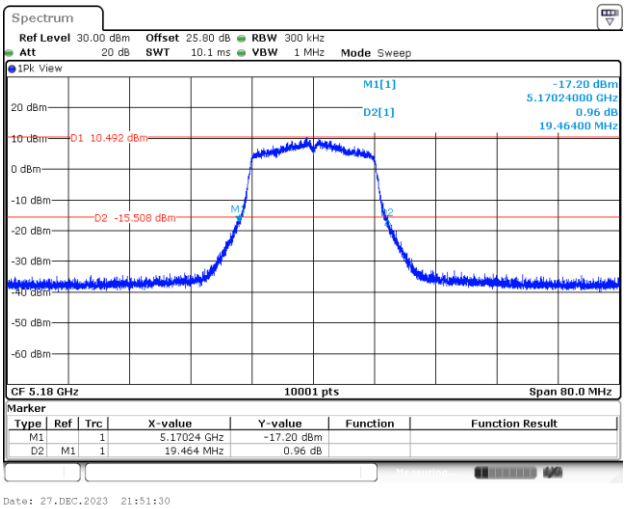
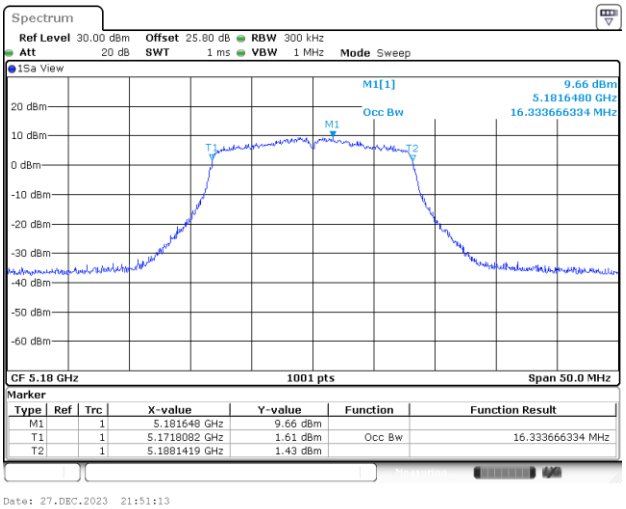
U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	100	5500	Full	0.62	0.66			9.27	11.00		5.43			Pass
HE20	MCS0	2	100	5500	26/0	0.63	0.63			8.78	11.00		5.43			Pass
HE20	MCS0	2	100	5500	52/37	0.64	0.64			9.02	11.00		5.43			Pass
HE20	MCS0	2	100	5500	106/53	0.67	0.67			6.44	11.00		5.43			Pass
HE20	MCS0	2	116	5580	Full	0.62	0.66			10.76	11.00		5.43			Pass
HE20	MCS0	2	116	5580	26/4	0.63	0.63			10.28	11.00		5.43			Pass
HE20	MCS0	2	116	5580	52/38	0.64	0.64			10.68	11.00		5.43			Pass
HE20	MCS0	2	116	5580	106/53	0.67	0.67			10.35	11.00		5.43			Pass
HE20	MCS0	2	140	5700	Full	0.62	0.66			8.15	11.00		5.43			Pass
HE20	MCS0	2	140	5700	26/8	0.63	0.63			7.85	11.00		5.43			Pass
HE20	MCS0	2	140	5700	52/40	0.64	0.64			8.08	11.00		5.43			Pass
HE20	MCS0	2	140	5700	106/54	0.67	0.67			6.34	11.00		5.43			Pass
HE40	MCS0	2	102	5510	Full	0.66	0.66		-	5.89	11.00		5.43		-	Pass
HE40	MCS0	2	102	5510	242/61	0.65	0.65			3.81	11.00		5.43			Pass
HE40	MCS0	2	110	5550	Full	0.66	0.66			7.63	11.00		5.43			Pass
HE40	MCS0	2	110	5550	242/61	0.65	0.65			7.27	11.00		5.43			Pass
HE40	MCS0	2	134	5670	Full	0.66	0.66			7.22	11.00		5.43			Pass
HE40	MCS0	2	134	5670	242/62	0.65	0.65			4.78	11.00		5.43			Pass
HE80	MCS0	2	106	5530	Full	0.65	0.65			2.78	11.00		5.43			Pass
HE80	MCS0	2	106	5530	484/65	0.66	0.66			0.30	11.00		5.43			Pass
HE80	MCS0	2	122	5610	Full	0.65	0.65			4.48	11.00		5.43			Pass
HE80	MCS0	2	122	5610	484/66	0.66	0.66			0.92	11.00		5.43			Pass
HE160	MCS0	2	114	5570	Full	0.64	0.64			-2.66	11.00		5.43			Pass
HE160	MCS0	2	114	5570	996/67	0.66	0.66			-2.98	11.00		5.43			Pass
HE160	MCS0	2	114	5570	996/S67	0.66	0.66			-2.75	11.00		5.43			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	144	5720	Full	0.62	0.66			10.52	11.00		5.43			Pass
HE20	MCS0	2	144	5720	26/8	0.63	0.63			10.46	11.00		5.43			Pass
HE20	MCS0	2	144	5720	52/40	0.64	0.64			10.40	11.00		5.43			Pass
HE20	MCS0	2	144	5720	106/54	0.67	0.67			10.03	11.00		5.43			Pass
HE40	MCS0	2	142	5710	Full	0.66	0.66		-	8.04	11.00		5.43		-	Pass
HE40	MCS0	2	142	5710	242/62	0.65	0.65			7.72	11.00		5.43			Pass
HE80	MCS0	2	138	5690	Full	0.65	0.65			5.08	11.00		5.43			Pass
HE80	MCS0	2	138	5690	484/66	0.66	0.66			5.04	11.00		5.43			Pass

Test Result of 26dB & 99% Occupied Bandwidth

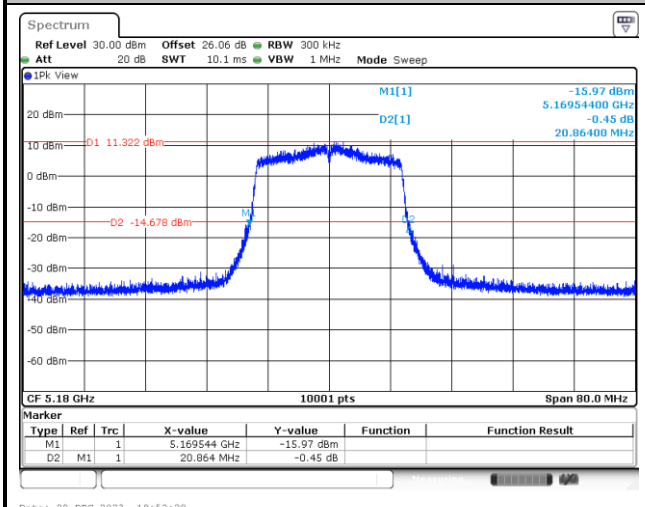
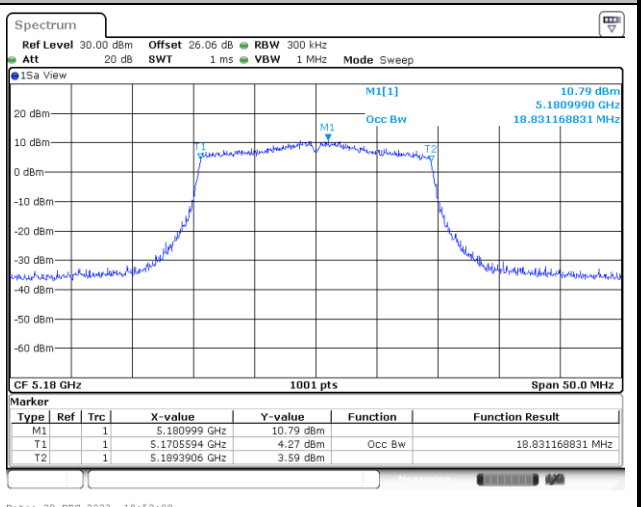
MIMO <Ant. 6+7>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

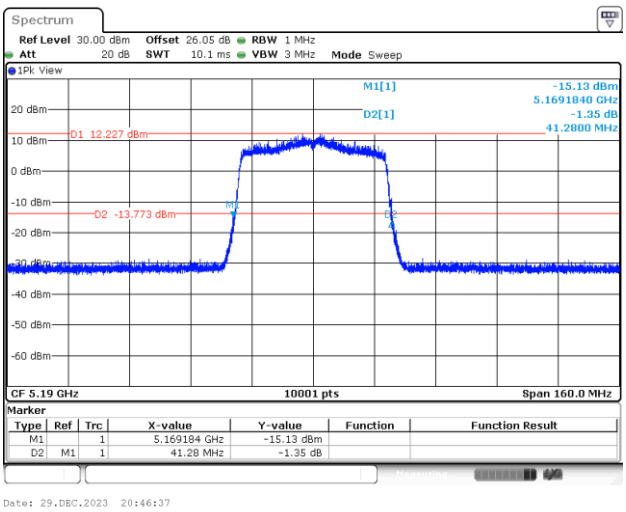
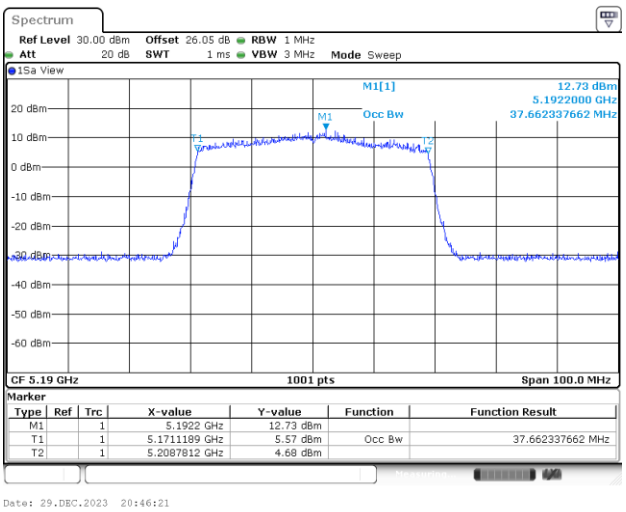
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

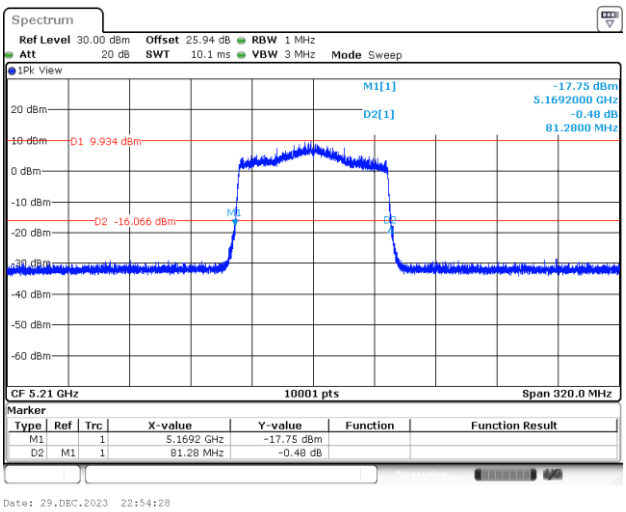
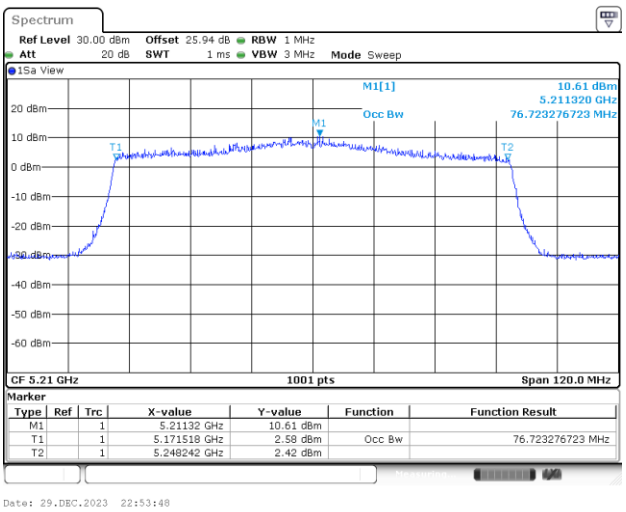
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

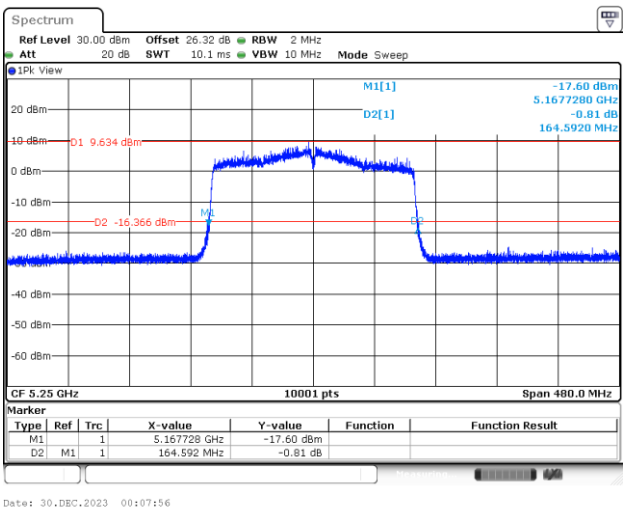
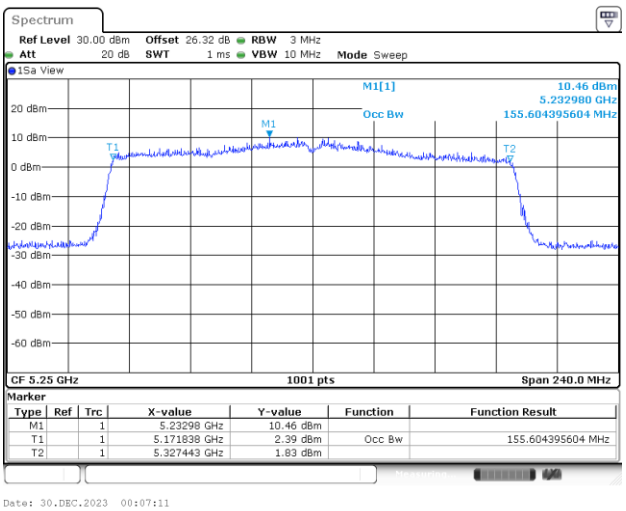
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

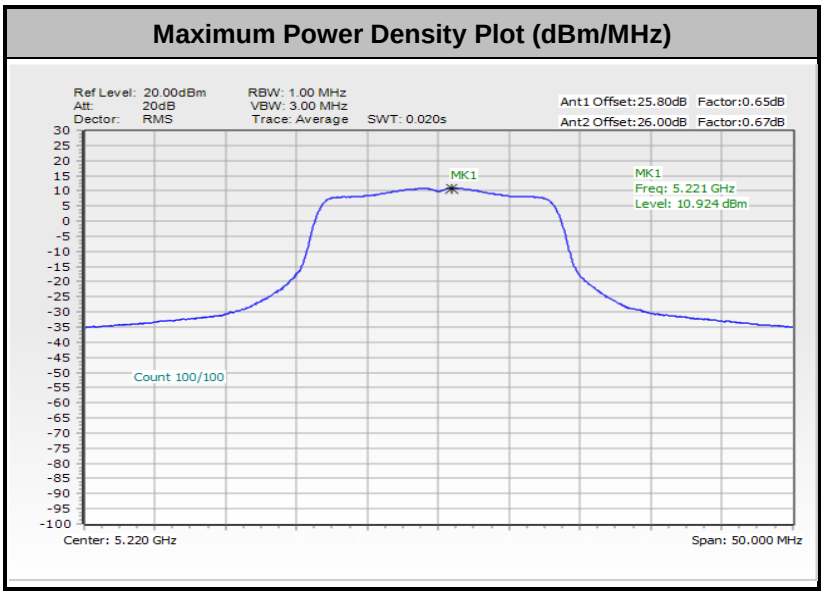
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

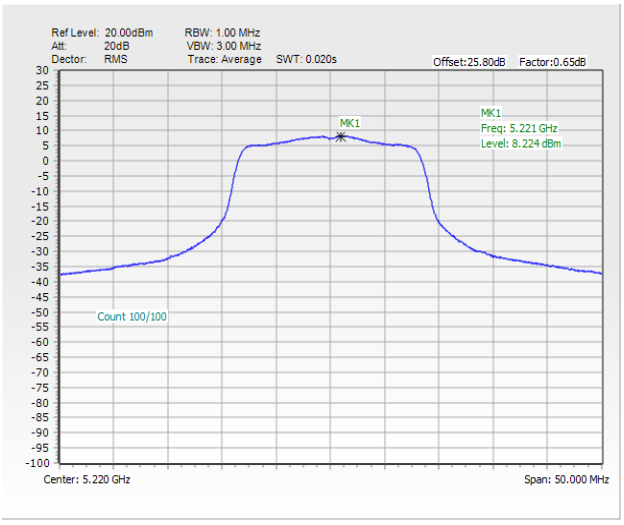
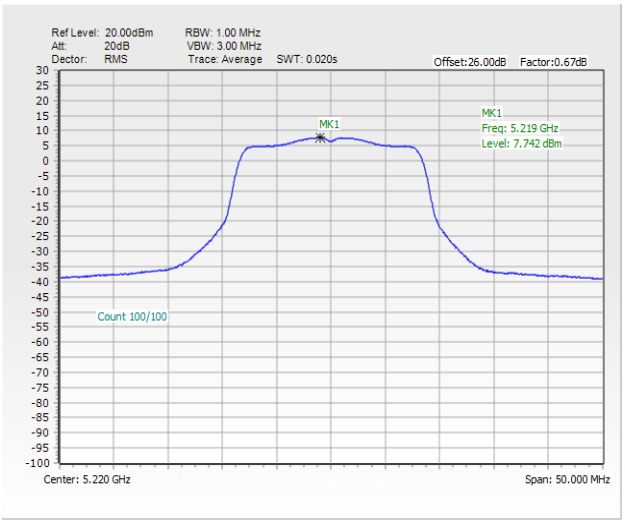
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

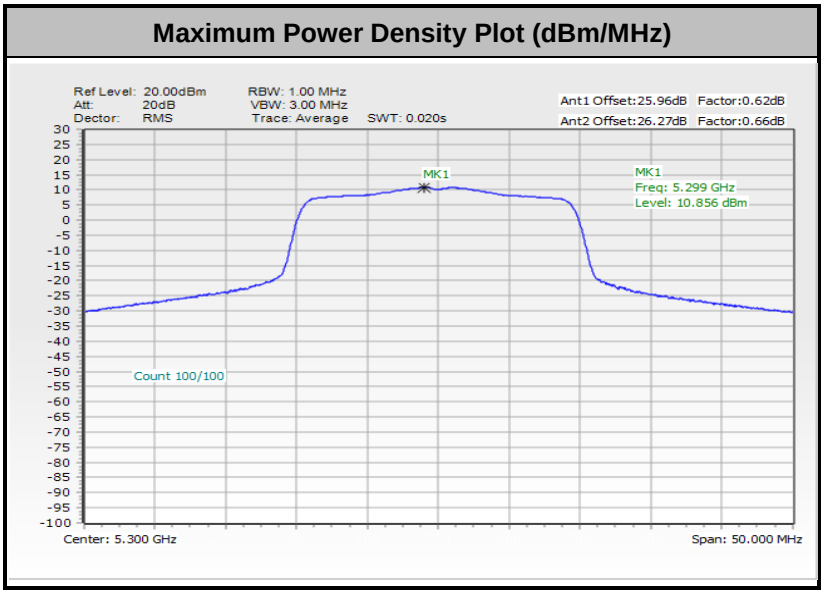
<802.11a>

Maximum Power Density Plot (dBm/MHz)


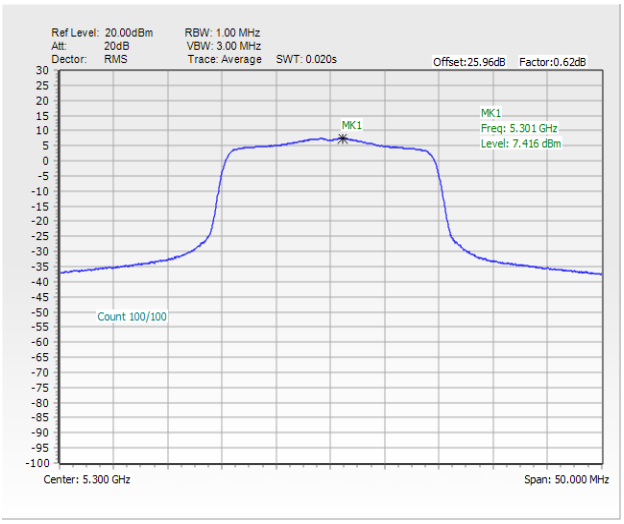
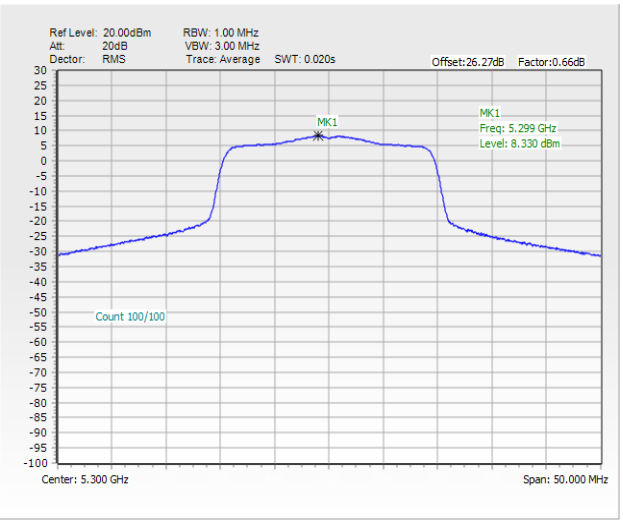
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

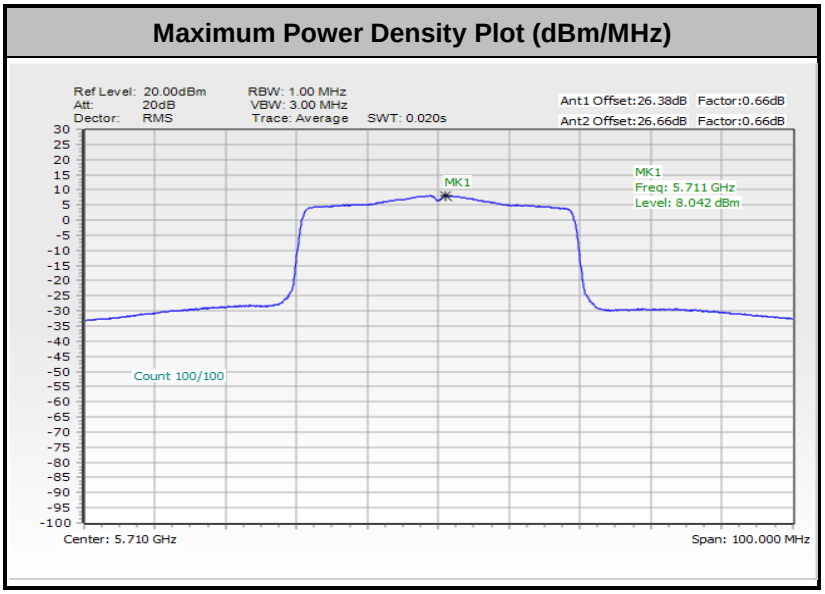
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


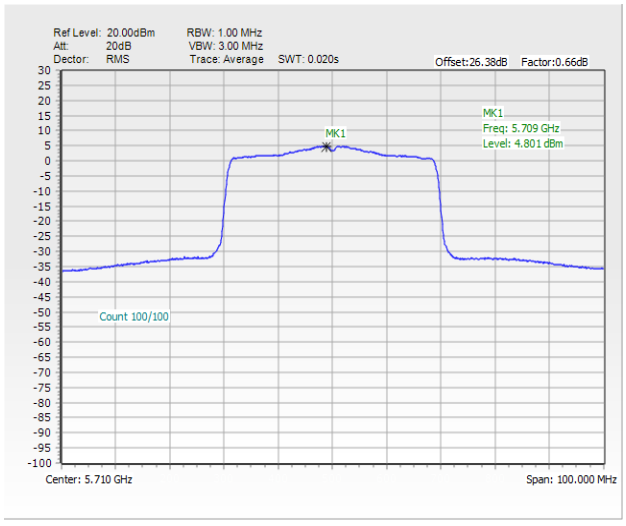
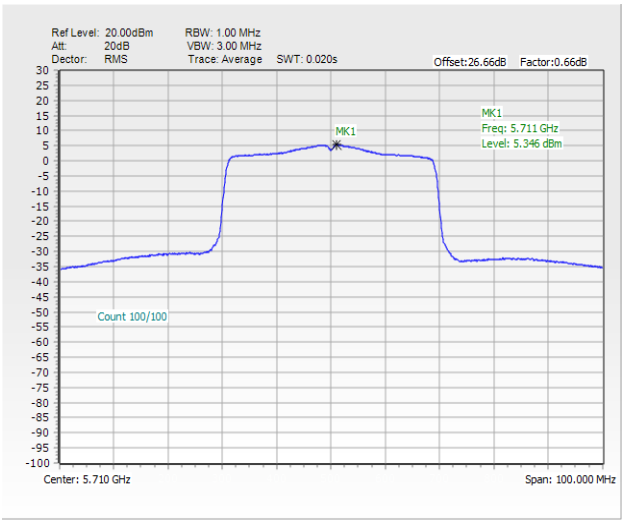
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

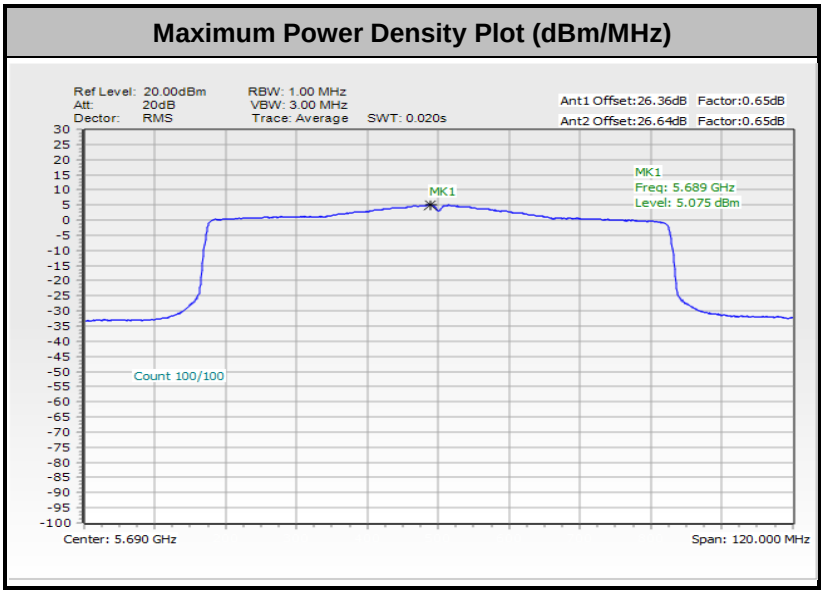
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


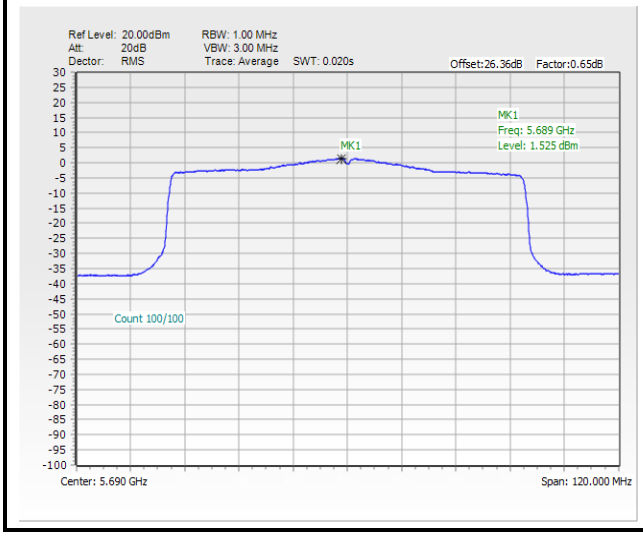
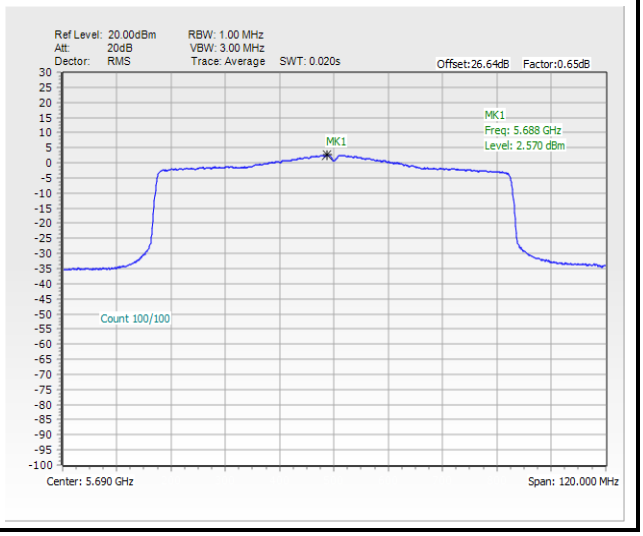
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

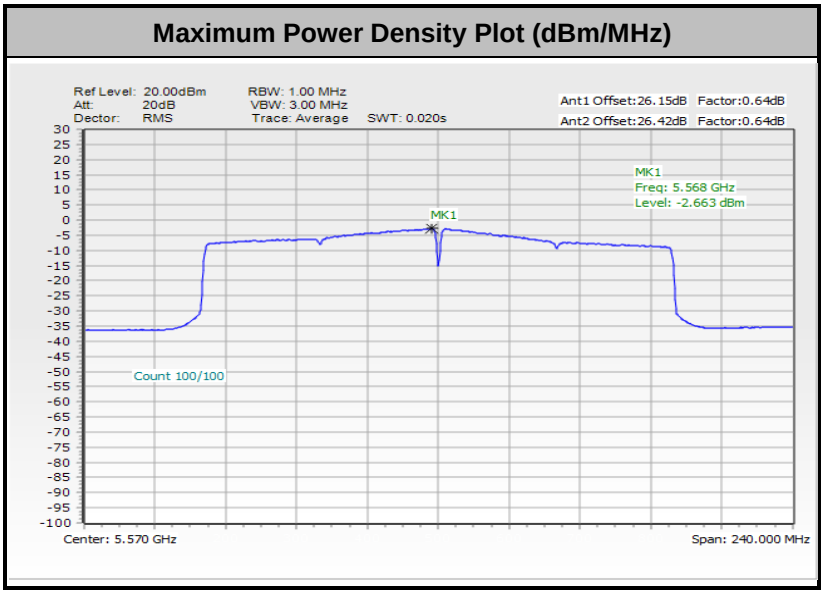
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


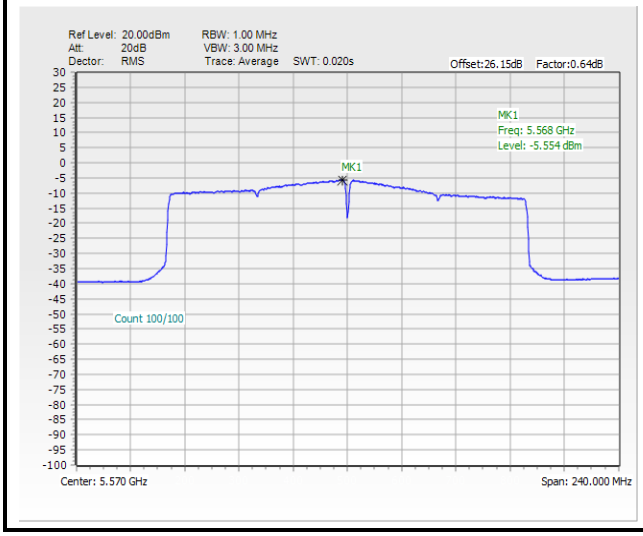
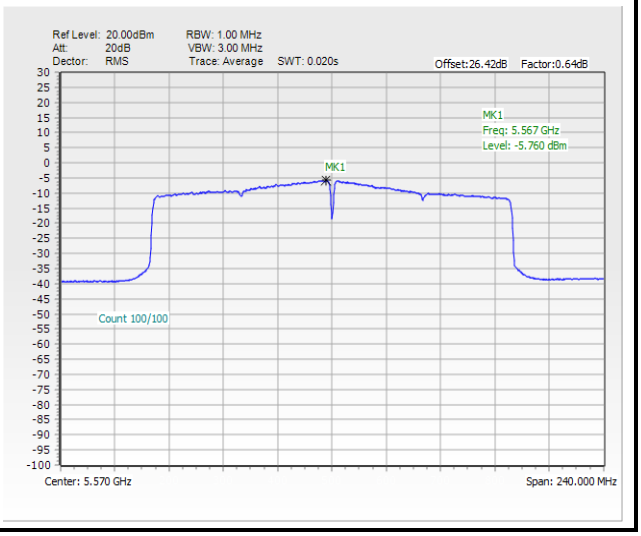
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

<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.

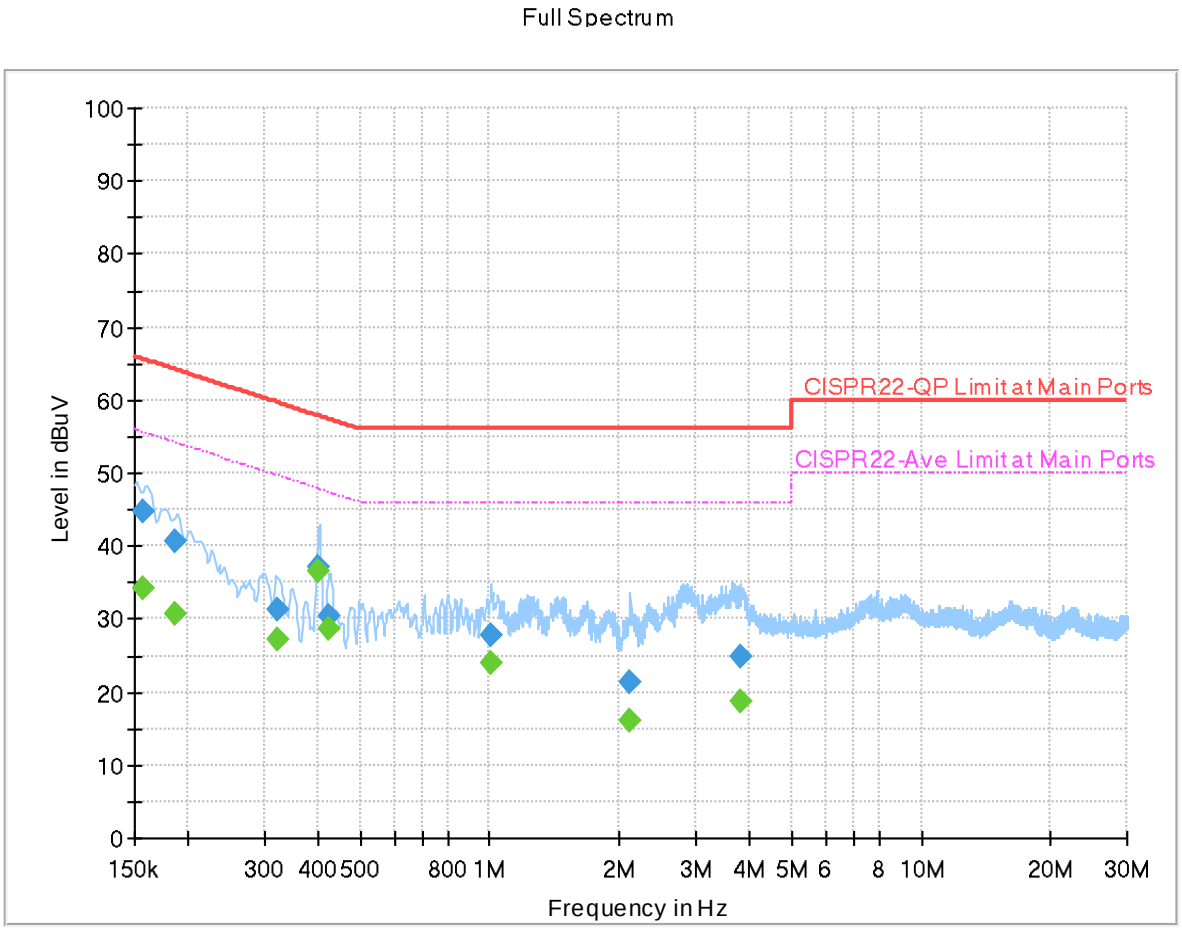
Maximum Power Density Plot Trace 1 (Ant 6)	Maximum Power Density Plot Trace 2 (Ant 7)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	19.2~21.3℃
		Relative Humidity :	58.2~63.7%

EUT Information

Report NO :	3N2803
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

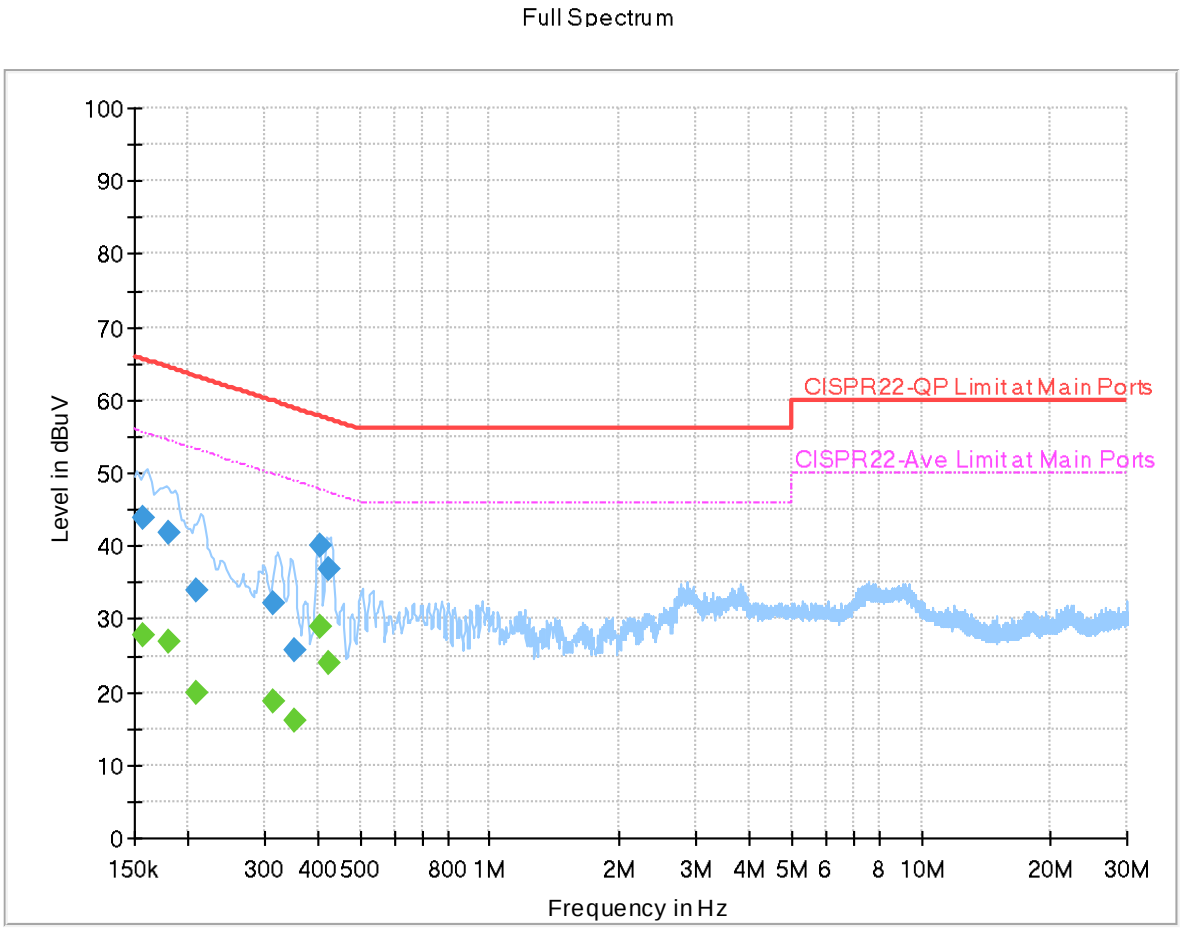


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156660	---	34.35	55.64	21.29	L1	OFF	19.9
0.156660	44.85	---	65.64	20.79	L1	OFF	19.9
0.186000	---	30.76	54.21	23.45	L1	OFF	19.9
0.186000	40.69	---	64.21	23.52	L1	OFF	19.9
0.321360	---	27.26	49.67	22.41	L1	OFF	19.9
0.321360	31.39	---	59.67	28.28	L1	OFF	19.9
0.401640	---	36.48	47.82	11.34	L1	OFF	19.9
0.401640	37.21	---	57.82	20.61	L1	OFF	19.9
0.425400	---	28.69	47.34	18.65	L1	OFF	19.9
0.425400	30.32	---	57.34	27.02	L1	OFF	19.9
1.009500	---	24.01	46.00	21.99	L1	OFF	20.0
1.009500	27.81	---	56.00	28.19	L1	OFF	20.0
2.114250	---	16.12	46.00	29.88	L1	OFF	20.0
2.114250	21.39	---	56.00	34.61	L1	OFF	20.0
3.832800	---	18.85	46.00	27.15	L1	OFF	20.0
3.832800	24.92	---	56.00	31.08	L1	OFF	20.0

EUT Information

Report NO :	3N2803
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)
0.156750	---	27.92	55.63	27.71	N	OFF	19.9
0.156750	43.98	---	65.63	21.65	N	OFF	19.9
0.179250	---	27.02	54.52	27.50	N	OFF	19.9
0.179250	41.80	---	64.52	22.72	N	OFF	19.9
0.209760	---	19.92	53.22	33.30	N	OFF	19.9
0.209760	34.00	---	63.22	29.22	N	OFF	19.9
0.316320	---	18.63	49.80	31.17	N	OFF	19.9
0.316320	32.22	---	59.80	27.58	N	OFF	19.9
0.351420	---	16.12	48.93	32.81	N	OFF	19.9
0.351420	25.68	---	58.93	33.25	N	OFF	19.9
0.404160	---	29.02	47.77	18.75	N	OFF	19.9
0.404160	40.08	---	57.77	17.69	N	OFF	19.9
0.424500	---	23.92	47.36	23.44	N	OFF	19.9
0.424500	36.75	---	57.36	20.61	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.9~23.4°C
		Relative Humidity :	65.7~69.9%

<Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	57.83	-16.17	74	49.85	32.9	12.86	37.78	100	120	P	H
		5150	49.89	-4.11	54	41.91	32.9	12.86	37.78	100	120	A	H
	*	5180	114.83	-	-	106.82	32.96	12.85	37.8	100	120	P	H
	*	5180	108.61	-	-	100.6	32.96	12.85	37.8	100	120	A	H
													H
													H
		5145.86	55.08	-18.92	74	47.09	32.91	12.86	37.78	100	77	P	V
		5150	47.27	-6.73	54	39.29	32.9	12.86	37.78	100	77	A	V
	*	5180	114.05	-	-	106.04	32.96	12.85	37.8	100	77	P	V
	*	5180	107.32	-	-	99.31	32.96	12.85	37.8	100	77	A	V
													V
													V
802.11a CH 44 5220MHz		5148.72	53.43	-20.57	74	45.45	32.9	12.86	37.78	200	353	P	H
		5150	45.16	-8.84	54	37.18	32.9	12.86	37.78	200	353	A	H
	*	5220	116.94	-	-	108.94	32.96	12.87	37.83	200	353	P	H
	*	5220	109.89	-	-	101.89	32.96	12.87	37.83	200	353	A	H
		5370.96	47.95	-26.05	74	40	32.78	13.11	37.94	200	353	P	H
		5351.92	38.41	-15.59	54	30.54	32.71	13.08	37.92	200	353	A	H
		5149.76	52.71	-21.29	74	44.73	32.9	12.86	37.78	100	77	P	V
		5148.98	42.98	-11.02	54	35	32.9	12.86	37.78	100	77	A	V
	*	5220	115.02	-	-	107.02	32.96	12.87	37.83	100	77	P	V
	*	5220	108.76	-	-	100.76	32.96	12.87	37.83	100	77	A	V
		5429.48	47.22	-26.78	74	39.05	32.96	13.19	37.98	100	77	P	V
		5356.4	37.71	-16.29	54	29.82	32.73	13.09	37.93	100	77	A	V

802.11a CH 48 5240MHz		5104.52	49.5	-24.5	74	41.39	32.99	12.87	37.75	300	323	P	H
		5150	40.32	-13.68	54	32.34	32.9	12.86	37.78	300	323	A	H
	*	5240	115.44	-	-	107.46	32.92	12.9	37.84	300	323	P	H
	*	5240	109.3	-	-	101.32	32.92	12.9	37.84	300	323	A	H
		5356.96	47.71	-26.29	74	39.82	32.73	13.09	37.93	300	323	P	H
		5353.88	38.29	-15.71	54	30.4	32.72	13.09	37.92	300	323	A	H
		5003.64	49.37	-24.63	74	41.04	33.09	12.91	37.67	100	74	P	V
		5149.5	39.5	-14.5	54	31.52	32.9	12.86	37.78	100	74	A	V
	*	5240	113.81	-	-	105.83	32.92	12.9	37.84	100	74	P	V
	*	5240	107.75	-	-	99.77	32.92	12.9	37.84	100	74	A	V
		5369.84	48.07	-25.93	74	40.12	32.78	13.11	37.94	100	74	P	V
		5351.08	37.47	-16.53	54	29.61	32.7	13.08	37.92	100	74	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	49.9	-18.3	68.2	33.53	38.78	19.01	41.42	-	-	P	H
		15540	52.28	-21.72	74	34.61	38.22	24.19	44.74	200	250	P	H
		15540	42.53	-11.47	54	24.86	38.22	24.19	44.74	200	250	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	51.37	-16.83	68.2	35	38.78	19.01	41.42	-	-	P	V
		15540	52.66	-21.34	74	34.99	38.22	24.19	44.74	100	232	P	V
		15540	42.58	-11.42	54	24.91	38.22	24.19	44.74	100	232	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	50.56	-17.64	68.2	34.21	38.74	19.08	41.47	-	-	P	H
		15660	52.07	-21.93	74	34.46	37.92	24.31	44.62	300	256	P	H
		15660	43.04	-10.96	54	25.43	37.92	24.31	44.62	300	256	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	52.22	-15.98	68.2	35.87	38.74	19.08	41.47	-	-	P	V
		15660	51.62	-22.38	74	34.01	37.92	24.31	44.62	300	102	P	V
		15660	43.3	-10.7	54	25.69	37.92	24.31	44.62	300	102	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	50.66	-17.54	68.2	34.25	38.78	19.12	41.49	-	-	P	H
		15720	53.15	-20.85	74	35.54	37.8	24.37	44.56	200	293	P	H
		15720	42.45	-11.55	54	24.84	37.8	24.37	44.56	200	293	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	50.78	-17.42	68.2	34.37	38.78	19.12	41.49	-	-	P	V
		15720	52.49	-21.51	74	34.88	37.8	24.37	44.56	300	31	P	V
		15720	42.36	-11.64	54	24.75	37.8	24.37	44.56	300	31	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	60.83	-13.17	74	52.85	32.9	12.86	37.78	100	122	P	H
		5150	50.97	-3.03	54	42.99	32.9	12.86	37.78	100	122	A	H
	*	5180	115.87	-	-	107.86	32.96	12.85	37.8	100	122	P	H
	*	5180	108.71	-	-	100.7	32.96	12.85	37.8	100	122	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	58.77	-15.23	74	50.79	32.9	12.86	37.78	100	80	P	V
5180MHz		5149.76	48.82	-5.18	54	40.84	32.9	12.86	37.78	100	80	A	V
	*	5180	113.69	-	-	105.68	32.96	12.85	37.8	100	80	P	V
	*	5180	106.64	-	-	98.63	32.96	12.85	37.8	100	80	A	V
													V
													V
		5146.38	64.57	-9.43	74	56.58	32.91	12.86	37.78	100	120	P	H
		5150	52.59	-1.41	54	44.61	32.9	12.86	37.78	100	120	A	H
	*	5220	117.38	-	-	109.38	32.96	12.87	37.83	100	120	P	H
	*	5220	110.74	-	-	102.74	32.96	12.87	37.83	100	120	P	H
802.11ax		5351.92	48.42	-25.58	74	40.55	32.71	13.08	37.92	100	120	P	H
HE20 Full		5350.24	38.38	-15.62	54	30.52	32.7	13.08	37.92	100	120	A	H
CH 44		5146.12	60.98	-13.02	74	52.99	32.91	12.86	37.78	117	81	P	V
5220MHz		5149.76	48.64	-5.36	54	40.66	32.9	12.86	37.78	117	81	A	V
	*	5220	114.22	-	-	106.22	32.96	12.87	37.83	117	81	P	V
	*	5220	107.81	-	-	99.81	32.96	12.87	37.83	117	81	A	V
		5389.72	47.4	-26.6	74	39.35	32.86	13.14	37.95	117	81	P	V
		5350	37.56	-16.44	54	29.7	32.7	13.08	37.92	117	81	A	V

		5146.38	53.3	-20.7	74	45.31	32.91	12.86	37.78	100	122	P	H
		5149.5	42.74	-11.26	54	34.76	32.9	12.86	37.78	100	122	A	H
	*	5240	116.77	-	-	108.79	32.92	12.9	37.84	100	122	P	H
	*	5240	109.84	-	-	101.86	32.92	12.9	37.84	100	122	A	H
802.11ax		5351.64	47.9	-26.1	74	40.03	32.71	13.08	37.92	100	122	P	H
HE20 Full		5350	38.59	-15.41	54	30.73	32.7	13.08	37.92	100	122	A	H
CH 48		5149.24	51.01	-22.99	74	43.03	32.9	12.86	37.78	101	78	P	V
5240MHz		5149.5	40.74	-13.26	54	32.76	32.9	12.86	37.78	101	78	A	V
	*	5240	114.67	-	-	106.69	32.92	12.9	37.84	101	78	P	V
	*	5240	108.05	-	-	100.07	32.92	12.9	37.84	101	78	A	V
		5352.48	47.38	-26.62	74	39.51	32.71	13.08	37.92	101	78	P	V
		5354.16	38.06	-15.94	54	30.17	32.72	13.09	37.92	101	78	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	51.06	-17.14	68.2	34.69	38.78	19.01	41.42	-	-	P	H
		15540	52.56	-21.44	74	34.89	38.22	24.19	44.74	100	175	P	H
		15540	42.32	-11.68	54	24.65	38.22	24.19	44.74	100	175	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	50	-18.2	68.2	33.63	38.78	19.01	41.42	-	-	P	V
5180MHz		15540	52.64	-21.36	74	34.97	38.22	24.19	44.74	200	161	P	V
		15540	42.34	-11.66	54	24.67	38.22	24.19	44.74	200	161	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	51.48	-16.72	68.2	35.13	38.74	19.08	41.47	-	-	P	H
		15660	52.62	-21.38	74	35.01	37.92	24.31	44.62	300	124	P	H
		15660	42.63	-11.37	54	25.02	37.92	24.31	44.62	300	124	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	51.34	-16.86	68.2	34.99	38.74	19.08	41.47	-	-	P	V
5220MHz		15660	52.4	-21.6	74	34.79	37.92	24.31	44.62	200	66	P	V
		15660	42.56	-11.44	54	24.95	37.92	24.31	44.62	200	66	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	51.6	-16.6	68.2	35.19	38.78	19.12	41.49	-	-	P	H
		15720	52.87	-21.13	74	35.26	37.8	24.37	44.56	100	145	P	H
		15720	42.23	-11.77	54	24.62	37.8	24.37	44.56	100	145	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	51.45	-16.75	68.2	35.04	38.78	19.12	41.49	-	-	P	V
5240MHz		15720	52.38	-21.62	74	34.77	37.8	24.37	44.56	300	85	P	V
		15720	42.34	-11.66	54	24.73	37.8	24.37	44.56	300	85	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	68.14	-5.86	74	60.16	32.9	12.86	37.78	100	122	P	H
		5149.76	47.97	-6.03	54	39.99	32.9	12.86	37.78	100	122	P	H
	*	5180	112.75	-	-	104.74	32.96	12.85	37.8	100	122	P	H
802.11ax	*	5180	106.4	-	-	98.39	32.96	12.85	37.8	100	122	A	H
HE20													H
Partial													H
106/53		5148.72	61.94	-12.06	74	53.96	32.9	12.86	37.78	199	98	P	V
CH 36		5147.68	41.78	-12.22	54	33.8	32.9	12.86	37.78	199	98	A	V
5180MHz	*	5180	111.45	-	-	103.44	32.96	12.85	37.8	199	98	P	V
	*	5180	104.3	-	-	96.29	32.96	12.85	37.8	199	98	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5142.74	60.18	-13.82	74	52.18	32.91	12.86	37.77	100	118	P	H
		5150	52.01	-1.99	54	44.03	32.9	12.86	37.78	100	118	A	H
	*	5190	110.32	-	-	102.31	32.98	12.84	37.81	100	118	P	H
	*	5190	103.23	-	-	95.22	32.98	12.84	37.81	100	118	A	H
802.11ax		5408.2	45.99	-28.01	74	37.86	32.92	13.17	37.96	100	118	P	H
HE40 Full		5350.8	37.38	-16.62	54	29.52	32.7	13.08	37.92	100	118	A	H
CH 38		5148.46	58.57	-15.43	74	50.59	32.9	12.86	37.78	101	77	P	V
5190MHz		5149.24	49.96	-4.04	54	41.98	32.9	12.86	37.78	101	77	A	V
	*	5190	107.93	-	-	99.92	32.98	12.84	37.81	101	77	P	V
	*	5190	101.23	-	-	93.22	32.98	12.84	37.81	101	77	A	V
		5387.2	45.21	-28.79	74	37.17	32.85	13.14	37.95	101	77	P	V
		5452.72	36.99	-17.01	54	28.79	32.99	13.21	38	101	77	A	V
		5148.46	63.82	-10.18	74	55.84	32.9	12.86	37.78	100	120	P	H
		5149.76	51.93	-2.07	54	43.95	32.9	12.86	37.78	100	120	A	H
	*	5230	114.1	-	-	106.11	32.94	12.89	37.84	100	120	P	H
	*	5230	105.97	-	-	97.98	32.94	12.89	37.84	100	120	A	H
802.11ax		5366.48	58.72	-15.28	74	50.77	32.77	13.11	37.93	100	120	P	H
HE40 Full		5352.2	43.92	-10.08	54	36.05	32.71	13.08	37.92	100	120	A	H
CH 46		5150	65.03	-8.97	74	57.05	32.9	12.86	37.78	100	80	P	V
5230MHz		5148.72	48.46	-5.54	54	40.48	32.9	12.86	37.78	100	80	A	V
	*	5230	111.3	-	-	103.31	32.94	12.89	37.84	100	80	P	V
	*	5230	104.18	-	-	96.19	32.94	12.89	37.84	100	80	A	V
		5353.6	54.7	-19.3	74	46.82	32.71	13.09	37.92	100	80	P	V
		5350	41.26	-12.74	54	33.4	32.7	13.08	37.92	100	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	50.29	-17.91	68.2	33.96	38.74	19.02	41.43	-	-	P	H
		15570	51.37	-22.63	74	33.7	38.16	24.22	44.71	100	285	P	H
		15570	42.73	-11.27	54	25.06	38.16	24.22	44.71	100	285	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	50.35	-17.85	68.2	34.02	38.74	19.02	41.43	-	-	P	V
5190MHz		15570	51.42	-22.58	74	33.75	38.16	24.22	44.71	100	343	P	V
		15570	42.69	-11.31	54	25.02	38.16	24.22	44.71	100	343	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	50.36	-17.84	68.2	33.98	38.76	19.1	41.48	-	-	P	H
		15690	51.85	-22.15	74	34.27	37.83	24.34	44.59	300	351	P	H
		15690	42.64	-11.36	54	25.06	37.83	24.34	44.59	300	351	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	50.22	-17.98	68.2	33.84	38.76	19.1	41.48	-	-	P	V
5230MHz		15690	51.45	-22.55	74	33.87	37.83	24.34	44.59	100	29	P	V
		15690	42.56	-11.44	54	24.98	37.83	24.34	44.59	100	29	A	V
													V
													V
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													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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5148.2	71.89	-2.11	74	63.91	32.9	12.86	37.78	105	123	P	H
		5148.2	51.07	-2.93	54	43.09	32.9	12.86	37.78	105	123	A	H
	*	5190	112.3	-	-	104.29	32.98	12.84	37.81	105	123	P	H
	*	5190	104.67	-	-	96.66	32.98	12.84	37.81	105	123	A	H
		5358.36	49.18	-24.82	74	41.29	32.73	13.09	37.93	105	123	P	H
		5459.44	37.27	-16.73	54	29.07	32.98	13.22	38	105	123	A	H
		5148.46	68.08	-5.92	74	60.1	32.9	12.86	37.78	203	97	P	V
		5148.2	48.03	-5.97	54	40.05	32.9	12.86	37.78	203	97	A	V
	*	5190	109.62	-	-	101.61	32.98	12.84	37.81	203	97	P	V
	*	5190	101.92	-	-	93.91	32.98	12.84	37.81	203	97	A	V
		5446.56	47.12	-26.88	74	38.92	32.99	13.2	37.99	203	97	P	V
		5455.24	37.05	-16.95	54	28.85	32.99	13.21	38	203	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5149.5	58.61	-15.39	74	50.63	32.9	12.86	37.78	100	120	P	H
		5149.24	50.35	-3.65	54	42.37	32.9	12.86	37.78	100	120	A	H
	*	5210	108.91	-	-	100.89	32.98	12.86	37.82	100	120	P	H
	*	5210	100.59	-	-	92.57	32.98	12.86	37.82	100	120	A	H
		5367.7	49.3	-24.7	74	41.35	32.77	13.11	37.93	100	120	P	H
		5354.44	39.8	-14.2	54	31.92	32.72	13.09	37.93	100	120	A	H
		5146.64	56.7	-17.3	74	48.71	32.91	12.86	37.78	109	79	P	V
		5146.38	46.58	-7.42	54	38.59	32.91	12.86	37.78	109	79	A	V
	*	5210	105.21	-	-	97.19	32.98	12.86	37.82	109	79	P	V
	*	5210	97.51	-	-	89.49	32.98	12.86	37.82	109	79	A	V
		5362.24	46.74	-27.26	74	38.82	32.75	13.1	37.93	109	79	P	V
		5352.36	38.76	-15.24	54	30.89	32.71	13.08	37.92	109	79	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	50.57	-17.63	68.2	34.24	38.72	19.06	41.45	-	-	P	H
		15630	52.69	-21.31	74	35.05	38.01	24.28	44.65	400	110	P	H
		15630	42.97	-11.03	54	25.33	38.01	24.28	44.65	400	110	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	50.17	-18.03	68.2	33.84	38.72	19.06	41.45	-	-	P	V
5210MHz		15630	51.77	-22.23	74	34.13	38.01	24.28	44.65	200	62	P	V
		15630	42.85	-11.15	54	25.21	38.01	24.28	44.65	200	62	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5146.9	70.85	-3.15	74	62.86	32.91	12.86	37.78	100	121	P	H
		5149.5	52.54	-1.46	54	44.56	32.9	12.86	37.78	100	121	A	H
	*	5210	108.89	-	-	100.87	32.98	12.86	37.82	100	121	P	H
	*	5210	100.56	-	-	92.54	32.98	12.86	37.82	100	121	A	H
		5372.36	57.53	-16.47	74	49.56	32.79	13.12	37.94	100	121	P	H
		5368.44	41.57	-12.43	54	33.63	32.77	13.11	37.94	100	121	A	H
		5146.64	69.97	-4.03	74	61.98	32.91	12.86	37.78	104	78	P	V
		5146.9	49.41	-4.59	54	41.42	32.91	12.86	37.78	104	78	A	V
	*	5210	106.03	-	-	98.01	32.98	12.86	37.82	104	78	P	V
	*	5210	98.29	-	-	90.27	32.98	12.86	37.82	104	78	A	V
		5370.96	55.94	-18.06	74	47.99	32.78	13.11	37.94	104	78	P	V
		5367.04	39.57	-14.43	54	31.62	32.77	13.11	37.93	104	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5106.42	55.81	-18.19	74	47.7	32.99	12.87	37.75	300	315	P	H
		5106.42	47.21	-6.79	54	39.1	32.99	12.87	37.75	300	315	A	H
	*	5250	104.69	-	-	96.72	32.9	12.92	37.85	300	315	P	H
	*	5250	96.4	-	-	88.43	32.9	12.92	37.85	300	315	A	H
		5398.56	58.44	-15.56	74	50.35	32.89	13.16	37.96	300	315	P	H
		5397.36	50.76	-3.24	54	42.67	32.89	13.16	37.96	300	315	A	H
		5114.58	54	-20	74	45.91	32.97	12.87	37.75	100	69	P	V
		5113.9	45.86	-8.14	54	37.77	32.97	12.87	37.75	100	69	A	V
	*	5250	102.13	-	-	94.16	32.9	12.92	37.85	100	69	P	V
	*	5250	94.05	-	-	86.08	32.9	12.92	37.85	100	69	A	V
		5403.12	57.58	-16.42	74	49.47	32.91	13.16	37.96	100	69	P	V
		5396.16	49.44	-4.56	54	41.37	32.88	13.15	37.96	100	69	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7000	56.25	-11.95	68.2	42.16	36	16.44	38.35	236	352	P	H
		10500	50.69	-17.51	68.2	34.26	38.8	19.13	41.5	-	-	P	H
		15750	52.13	-21.87	74	34.46	37.8	24.4	44.53	400	281	P	H
		15750	42.99	-11.01	54	25.32	37.8	24.4	44.53	400	281	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		7000	51.12	-17.08	68.2	37.03	36	16.44	38.35	230	45	P	V
5250MHz		10500	51.66	-16.54	68.2	35.23	38.8	19.13	41.5	-	-	P	V
		15750	51.87	-22.13	74	34.2	37.8	24.4	44.53	200	28	P	V
		15750	42.86	-11.14	54	25.19	37.8	24.4	44.53	200	28	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5129.54	70.02	-3.98	74	61.98	32.94	12.86	37.76	100	120	P	H
		5129.2	51.78	-2.22	54	43.74	32.94	12.86	37.76	100	120	A	H
	*	5250	105.49	-	-	97.52	32.9	12.92	37.85	100	120	P	H
802.11ax	*	5250	97.35	-	-	89.38	32.9	12.92	37.85	100	120	A	H
HE160		5403.84	67.8	-6.2	74	59.69	32.91	13.16	37.96	100	120	P	H
Partial		5396.16	51.94	-2.06	54	43.87	32.88	13.15	37.96	100	120	A	H
996/67		5133.96	64.69	-9.31	74	56.67	32.93	12.86	37.77	100	72	P	V
CH 50		5129.2	47.79	-6.21	54	39.75	32.94	12.86	37.76	100	72	A	V
5250MHz	*	5250	105.02	-	-	97.05	32.9	12.92	37.85	100	72	P	V
	*	5250	94.85	-	-	86.88	32.9	12.92	37.85	100	72	A	V
		5404.32	66.65	-7.35	74	58.54	32.91	13.16	37.96	100	72	P	V
		5398.8	50.98	-3.02	54	42.88	32.9	13.16	37.96	100	72	A	V
		5129.88	62.32	-11.68	74	54.28	32.94	12.86	37.76	100	106	P	H
		5129.54	46.29	-7.71	54	38.25	32.94	12.86	37.76	100	106	A	H
	*	5250	103.51	-	-	95.54	32.9	12.92	37.85	100	106	P	H
802.11ax	*	5250	93.71	-	-	85.74	32.9	12.92	37.85	100	106	A	H
HE160		5396.16	67.98	-6.02	74	59.91	32.88	13.15	37.96	100	106	P	H
Partial		5396.16	51.95	-2.05	54	43.88	32.88	13.15	37.96	100	106	A	H
996/68		5129.88	61.51	-12.49	74	53.47	32.94	12.86	37.76	100	75	P	V
CH 50		5129.2	45.19	-8.81	54	37.15	32.94	12.86	37.76	100	75	A	V
5250MHz	*	5250	101.26	-	-	93.29	32.9	12.92	37.85	100	75	P	V
	*	5250	93.11	-	-	85.14	32.9	12.92	37.85	100	75	A	V
		5400	64.31	-9.69	74	56.21	32.9	13.16	37.96	100	75	P	V
		5398.8	49.07	-4.93	54	40.97	32.9	13.16	37.96	100	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5111.52	49.35	-24.65	74	41.25	32.98	12.87	37.75	300	326	P	H
		5147.9	40.12	-13.88	54	32.14	32.9	12.86	37.78	300	326	A	H
	*	5260	115.68	-	-	107.7	32.9	12.94	37.86	300	326	P	H
	*	5260	109.2	-	-	101.22	32.9	12.94	37.86	300	326	A	H
		5366.64	47.94	-26.06	74	39.99	32.77	13.11	37.93	300	326	P	H
		5350.08	39.65	-14.35	54	31.79	32.7	13.08	37.92	300	326	A	H
		5059.84	49.17	-24.83	74	41.07	32.92	12.89	37.71	100	75	P	V
		5149.94	39.3	-14.7	54	31.32	32.9	12.86	37.78	100	75	A	V
	*	5260	113.25	-	-	105.27	32.9	12.94	37.86	100	75	P	V
	*	5260	107.86	-	-	99.88	32.9	12.94	37.86	100	75	A	V
		5371.68	48.2	-25.8	74	40.24	32.79	13.11	37.94	100	75	P	V
		5353.44	38.62	-15.38	54	30.74	32.71	13.09	37.92	100	75	A	V
802.11a CH 60 5300MHz		5052.7	48.36	-25.64	74	40.27	32.91	12.89	37.71	100	108	P	H
		5148.92	39.05	-14.95	54	31.07	32.9	12.86	37.78	100	108	A	H
	*	5302	114.43	-	-	106.43	32.89	13	37.89	100	108	P	H
	*	5302	108.66	-	-	100.66	32.89	13	37.89	100	108	A	H
		5351.04	58.04	-15.96	74	50.18	32.7	13.08	37.92	100	108	P	H
		5351.76	49.12	-4.88	54	41.25	32.71	13.08	37.92	100	108	A	H
		5112.2	48.7	-25.3	74	40.6	32.98	12.87	37.75	100	13	P	V
		5110.84	38.51	-15.49	54	30.41	32.98	12.87	37.75	100	13	A	V
	*	5300	114.14	-	-	106.13	32.9	13	37.89	100	13	P	V
	*	5300	106.37	-	-	98.36	32.9	13	37.89	100	13	A	V
		5356.32	60.73	-13.27	74	52.84	32.73	13.09	37.93	100	13	P	V
		5351.52	46.85	-7.15	54	38.98	32.71	13.08	37.92	100	13	A	V

802.11a CH 64 5320MHz	*	5320	113.78	-	-	105.83	32.82	13.03	37.9	350	349	P	H
	*	5320	107.17	-	-	99.22	32.82	13.03	37.9	350	349	A	H
		5351.52	57.16	-16.84	74	49.29	32.71	13.08	37.92	350	349	P	H
		5350.08	50.21	-3.79	54	42.35	32.7	13.08	37.92	350	349	A	H
													H
													H
	*	5320	112.97	-	-	105.02	32.82	13.03	37.9	100	74	P	V
	*	5320	107.11	-	-	99.16	32.82	13.03	37.9	100	74	A	V
		5350.72	56.93	-17.07	74	49.07	32.7	13.08	37.92	100	74	P	V
		5350.4	48.97	-5.03	54	41.11	32.7	13.08	37.92	100	74	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		7011	58.14	-10.06	68.2	44.02	36.04	16.44	38.36	219	357	P	H
		10520	50.75	-17.45	68.2	34.26	38.86	19.15	41.52	-	-	P	H
		15780	52.22	-21.78	74	34.49	37.8	24.42	44.49	200	11	P	H
		15780	42.56	-11.44	54	24.83	37.8	24.42	44.49	200	11	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		7011	55.24	-12.96	68.2	41.12	36.04	16.44	38.36	231	42	P	V
		10520	50.88	-17.32	68.2	34.39	38.86	19.15	41.52	-	-	P	V
		15780	52.33	-21.67	74	34.6	37.8	24.42	44.49	300	50	P	V
		15780	42.57	-11.43	54	24.84	37.8	24.42	44.49	300	50	A	V
													V
													V
													V
													V
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WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7066	56.34	-11.86	68.2	42.03	36.26	16.45	38.4	234	354	P	H
		10600	51.45	-22.55	74	34.71	39.1	19.23	41.59	400	316	P	H
		10600	41.93	-12.07	54	25.19	39.1	19.23	41.59	400	316	A	H
		15900	52.58	-21.42	74	34.51	37.9	24.54	44.37	105	107	P	H
		15900	42.94	-11.06	54	24.87	37.9	24.54	44.37	105	107	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz		7066	53.3	-14.9	68.2	38.99	36.26	16.45	38.4	237	44	P	V
		10600	52.96	-21.04	74	36.22	39.1	19.23	41.59	200	358	P	V
		10600	43.1	-10.9	54	26.36	39.1	19.23	41.59	200	358	A	V
		15900	53.07	-20.93	74	35	37.9	24.54	44.37	300	14	P	V
		15900	43.14	-10.86	54	25.07	37.9	24.54	44.37	300	14	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7088	56.86	-11.34	68.2	42.48	36.35	16.45	38.42	227	354	P	H
		10640	52.94	-21.06	74	36.21	39.1	19.26	41.63	203	359	P	H
		10640	42.81	-11.19	54	26.08	39.1	19.26	41.63	203	359	A	H
		15960	53.05	-20.95	74	34.8	37.96	24.6	44.31	255	310	P	H
		15960	43.34	-10.66	54	25.09	37.96	24.6	44.31	255	310	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz		7088	52.65	-15.55	68.2	38.27	36.35	16.45	38.42	102	15	P	V
		10640	52.52	-21.48	74	35.79	39.1	19.26	41.63	300	57	P	V
		10640	41.89	-12.11	54	25.16	39.1	19.26	41.63	300	57	A	V
		15960	53.71	-20.29	74	35.46	37.96	24.6	44.31	201	37	P	V
		15960	43.57	-10.43	54	25.32	37.96	24.6	44.31	201	37	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.2	48.95	-25.05	74	40.96	32.91	12.86	37.78	299	323	P	H
		5144.5	39.9	-14.1	54	31.9	32.91	12.86	37.77	299	323	A	H
	*	5260	116.2	-	-	108.22	32.9	12.94	37.86	299	323	P	H
	*	5260	110.19	-	-	102.21	32.9	12.94	37.86	299	323	A	H
802.11ax		5353.2	48.33	-25.67	74	40.45	32.71	13.09	37.92	299	323	P	H
HE20 Full		5351.76	39.33	-14.67	54	31.46	32.71	13.08	37.92	299	323	A	H
CH 52		5125.8	48.88	-25.12	74	40.82	32.95	12.87	37.76	102	73	P	V
5260MHz		5149.6	38.75	-15.25	54	30.77	32.9	12.86	37.78	102	73	A	V
	*	5260	116.51	-	-	108.53	32.9	12.94	37.86	102	73	P	V
	*	5260	108.1	-	-	100.12	32.9	12.94	37.86	102	73	A	V
		5363.04	48.42	-25.58	74	40.5	32.75	13.1	37.93	102	73	P	V
		5350.56	38.83	-15.17	54	30.97	32.7	13.08	37.92	102	73	A	V
		5112.2	48.7	-25.3	74	40.6	32.98	12.87	37.75	100	115	P	H
		5139.4	39.03	-14.97	54	31.02	32.92	12.86	37.77	100	115	A	H
	*	5300	116.21	-	-	108.2	32.9	13	37.89	100	115	P	H
	*	5300	108.72	-	-	100.71	32.9	13	37.89	100	115	A	H
802.11ax		5350.8	63.96	-10.04	74	56.1	32.7	13.08	37.92	100	115	P	H
HE20 Full		5350.08	52.59	-1.41	54	44.73	32.7	13.08	37.92	100	115	A	H
CH 60		5089.42	48.2	-25.8	74	40.07	32.98	12.88	37.73	100	75	P	V
5300MHz		5096.9	38.45	-15.55	54	30.32	32.99	12.88	37.74	100	75	A	V
	*	5300	116.09	-	-	108.08	32.9	13	37.89	100	75	P	V
	*	5300	108.69	-	-	100.68	32.9	13	37.89	100	75	A	V
		5353.92	59.68	-14.32	74	51.79	32.72	13.09	37.92	100	75	P	V
		5350.08	49.16	-4.84	54	41.3	32.7	13.08	37.92	100	75	A	V

	*	5320	114.27	-	-	106.32	32.82	13.03	37.9	100	114	P	H
	*	5320	106.51	-	-	98.56	32.82	13.03	37.9	100	114	A	H
		5350.4	58.19	-15.81	74	50.33	32.7	13.08	37.92	100	114	P	H
		5350.08	48.32	-5.68	54	40.46	32.7	13.08	37.92	100	114	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	112.7	-	-	104.75	32.82	13.03	37.9	100	73	P	V
5320MHz	*	5320	106.48	-	-	98.53	32.82	13.03	37.9	100	73	A	V
		5350.24	57.46	-16.54	74	49.6	32.7	13.08	37.92	100	73	P	V
		5350.08	48.24	-5.76	54	40.38	32.7	13.08	37.92	100	73	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7011	57.86	-10.34	68.2	43.74	36.04	16.44	38.36	218	353	P	H
		10520	50.52	-17.68	68.2	34.03	38.86	19.15	41.52	-	-	P	H
		15780	51.59	-22.41	74	33.86	37.8	24.42	44.49	200	39	P	H
		15780	42.44	-11.56	54	24.71	37.8	24.42	44.49	200	39	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		7011	53.55	-14.65	68.2	39.43	36.04	16.44	38.36	232	44	P	V
5260MHz		10520	50.89	-17.31	68.2	34.4	38.86	19.15	41.52	-	-	P	V
		15780	51.56	-22.44	74	33.83	37.8	24.42	44.49	200	188	P	V
		15780	42.61	-11.39	54	24.88	37.8	24.42	44.49	200	188	A	V
													V
													V
													V
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													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7066	57.51	-10.69	68.2	43.2	36.26	16.45	38.4	225	354	P	H
		10600	51.37	-22.63	74	34.63	39.1	19.23	41.59	371	0	P	H
		10600	42.08	-11.92	54	25.34	39.1	19.23	41.59	371	0	A	H
		15900	52.63	-21.37	74	34.56	37.9	24.54	44.37	200	3	P	H
		15900	42.82	-11.18	54	24.75	37.9	24.54	44.37	200	3	A	H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		7066	54.37	-13.83	68.2	40.06	36.26	16.45	38.4	231	45	P	V
5300MHz		10600	50.91	-23.09	74	34.17	39.1	19.23	41.59	299	254	P	V
		10600	42.78	-11.22	54	26.04	39.1	19.23	41.59	299	254	A	V
		15900	51.62	-22.38	74	33.55	37.9	24.54	44.37	327	360	P	V
		15900	42.68	-11.32	54	24.61	37.9	24.54	44.37	327	360	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7088	57.96	-10.24	68.2	43.58	36.35	16.45	38.42	250	350	P	H
		10640	52.19	-21.81	74	35.46	39.1	19.26	41.63	350	335	P	H
		10640	41.82	-12.18	54	25.09	39.1	19.26	41.63	350	335	A	H
		15960	52.78	-21.22	74	34.53	37.96	24.6	44.31	100	332	P	H
		15960	43.02	-10.98	54	24.77	37.96	24.6	44.31	100	332	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Full CH 64 5320MHz		7088	53.43	-14.77	68.2	39.05	36.35	16.45	38.42	200	44	P	V
		10640	51.13	-22.87	74	34.4	39.1	19.26	41.63	150	359	P	V
		10640	42.51	-11.49	54	25.78	39.1	19.26	41.63	150	359	A	V
		15960	52.56	-21.44	74	34.31	37.96	24.6	44.31	300	54	P	V
		15960	43.01	-10.99	54	24.76	37.96	24.6	44.31	300	54	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	112.94	-	-	104.99	32.82	13.03	37.9	100	115	P	H
	*	5320	105.18	-	-	97.23	32.82	13.03	37.9	100	115	A	H
		5351.68	65.12	-8.88	74	57.25	32.71	13.08	37.92	100	115	P	H
802.11ax		5351.68	44.04	-9.96	54	36.17	32.71	13.08	37.92	100	115	A	H
HE20													H
Partial													H
106/54	*	5320	110.12	-	-	102.17	32.82	13.03	37.9	100	86	P	V
CH 64	*	5320	102.62	-	-	94.67	32.82	13.03	37.9	100	86	A	V
5320MHz		5355.84	60.15	-13.85	74	52.27	32.72	13.09	37.93	100	86	P	V
		5350.56	40.32	-13.68	54	32.46	32.7	13.08	37.92	100	86	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5138.38	50.68	-23.32	74	42.67	32.92	12.86	37.77	305	321	P	H
		5149.26	42.1	-11.9	54	34.12	32.9	12.86	37.78	305	321	A	H
	*	5270	112.22	-	-	104.23	32.9	12.95	37.86	305	321	P	H
	*	5270	105.39	-	-	97.4	32.9	12.95	37.86	305	321	A	H
802.11ax		5352.24	52.61	-21.39	74	44.74	32.71	13.08	37.92	305	321	P	H
HE40 Full		5351.52	45	-9	54	37.13	32.71	13.08	37.92	305	321	A	H
CH 54		5140.08	47.02	-26.98	74	39.01	32.92	12.86	37.77	100	14	P	V
5270MHz		5148.24	39.81	-14.19	54	31.83	32.9	12.86	37.78	100	14	A	V
	*	5270	110.72	-	-	102.73	32.9	12.95	37.86	100	14	P	V
	*	5270	103.02	-	-	95.03	32.9	12.95	37.86	100	14	A	V
		5352.96	52.55	-21.45	74	44.68	32.71	13.08	37.92	100	14	P	V
		5350.08	43.72	-10.28	54	35.86	32.7	13.08	37.92	100	14	A	V
		5045.22	47.36	-26.64	74	39.25	32.92	12.89	37.7	100	108	P	H
		5145.86	38.78	-15.22	54	30.79	32.91	12.86	37.78	100	108	A	H
	*	5310	109.77	-	-	101.78	32.86	13.02	37.89	100	108	P	H
	*	5310	101.58	-	-	93.59	32.86	13.02	37.89	100	108	A	H
802.11ax		5352.48	57.3	-16.7	74	49.43	32.71	13.08	37.92	100	108	P	H
HE40 Full		5351.04	50.48	-3.52	54	42.62	32.7	13.08	37.92	100	108	A	H
CH 62		5013.26	48.06	-25.94	74	39.78	33.05	12.91	37.68	100	72	P	V
5310MHz		5124.1	38.54	-15.46	54	30.48	32.95	12.87	37.76	100	72	A	V
	*	5310	109.79	-	-	101.8	32.86	13.02	37.89	100	72	P	V
	*	5310	101.59	-	-	93.6	32.86	13.02	37.89	100	72	A	V
		5350.56	56.19	-17.81	74	48.33	32.7	13.08	37.92	100	72	P	V
		5350.32	48.58	-5.42	54	40.72	32.7	13.08	37.92	100	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7026	57.78	-10.42	68.2	43.6	36.1	16.45	38.37	244	355	P	H
		10540	50.78	-17.42	68.2	34.23	38.92	19.17	41.54	-	-	P	H
		15810	51.51	-22.49	74	33.71	37.81	24.45	44.46	100	164	P	H
		15810	42.9	-11.1	54	25.1	37.81	24.45	44.46	100	164	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		7026	50.08	-18.12	68.2	35.9	36.1	16.45	38.37	242	46	P	V
5270MHz		10540	51.42	-16.78	68.2	34.87	38.92	19.17	41.54	-	-	P	V
		15810	51.42	-22.58	74	33.62	37.81	24.45	44.46	100	126	P	V
		15810	42.92	-11.08	54	25.12	37.81	24.45	44.46	100	126	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7077	58.16	-10.04	68.2	43.81	36.31	16.45	38.41	232	352	P	H
		10620	50.51	-23.49	74	33.77	39.1	19.25	41.61	300	360	P	H
		10620	41.94	-12.06	54	25.2	39.1	19.25	41.61	300	360	A	H
		15930	52.73	-21.27	74	34.57	37.93	24.57	44.34	200	110	P	H
		15930	43.34	-10.66	54	25.18	37.93	24.57	44.34	200	110	A	H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		7077	54.6	-13.6	68.2	40.25	36.31	16.45	38.41	226	46	P	V
5310MHz		10620	50.77	-23.23	74	34.03	39.1	19.25	41.61	199	360	P	V
		10620	42.08	-11.92	54	25.34	39.1	19.25	41.61	199	360	A	V
		15930	52.07	-21.93	74	33.91	37.93	24.57	44.34	200	360	P	V
		15930	43.35	-10.65	54	25.19	37.93	24.57	44.34	200	360	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5149.6	51.3	-22.7	74	43.32	32.9	12.86	37.78	302	315	P	H
		5149.6	39.25	-14.75	54	31.27	32.9	12.86	37.78	302	315	A	H
	*	5310	112.93	-	-	104.94	32.86	13.02	37.89	302	315	P	H
	*	5310	104.68	-	-	96.69	32.86	13.02	37.89	302	315	A	H
		5352.24	70.49	-3.51	74	62.62	32.71	13.08	37.92	302	315	P	H
		5352	52.38	-1.62	54	44.51	32.71	13.08	37.92	302	315	A	H
		5149.6	51.63	-22.37	74	43.65	32.9	12.86	37.78	100	70	P	V
		5134.64	38.94	-15.06	54	30.92	32.93	12.86	37.77	100	70	A	V
	*	5310	112.39	-	-	104.4	32.86	13.02	37.89	100	70	P	V
	*	5310	103.1	-	-	95.11	32.86	13.02	37.89	100	70	A	V
		5354.64	69.85	-4.15	74	61.97	32.72	13.09	37.93	100	70	P	V
		5354.64	52.13	-1.87	54	44.25	32.72	13.09	37.93	100	70	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5141.44	49.56	-24.44	74	41.55	32.92	12.86	37.77	100	107	P	H
		5146.2	41.64	-12.36	54	33.65	32.91	12.86	37.78	100	107	A	H
	*	5290	107.62	-	-	99.62	32.9	12.98	37.88	100	107	P	H
	*	5290	99.14	-	-	91.14	32.9	12.98	37.88	100	107	A	H
		5351.04	55.42	-18.58	74	47.56	32.7	13.08	37.92	100	107	P	H
		5351.76	47.47	-6.53	54	39.6	32.71	13.08	37.92	100	107	A	H
		5132.26	49.21	-24.79	74	41.18	32.94	12.86	37.77	100	12	P	V
		5143.82	40.5	-13.5	54	32.5	32.91	12.86	37.77	100	12	A	V
	*	5290	107.21	-	-	99.21	32.9	12.98	37.88	100	12	P	V
	*	5290	98.33	-	-	90.33	32.9	12.98	37.88	100	12	A	V
		5350.56	53.96	-20.04	74	46.1	32.7	13.08	37.92	100	12	P	V
		5351.28	46.05	-7.95	54	38.18	32.71	13.08	37.92	100	12	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7055	55.79	-12.41	68.2	41.53	36.22	16.44	38.4	239	352	P	H
		10580	51.61	-16.59	68.2	34.93	39.04	19.21	41.57	-	-	P	H
		15870	52.49	-21.51	74	34.51	37.87	24.51	44.4	200	325	P	H
		15870	43.1	-10.9	54	25.12	37.87	24.51	44.4	200	325	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7055	51.29	-16.91	68.2	37.03	36.22	16.44	38.4	200	44	P	V
5290MHz		10580	51.16	-17.04	68.2	34.48	39.04	19.21	41.57	-	-	P	V
		15870	52.29	-21.71	74	34.31	37.87	24.51	44.4	100	72	P	V
		15870	43.06	-10.94	54	25.08	37.87	24.51	44.4	100	72	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5149.6	55.91	-18.09	74	47.93	32.9	12.86	37.78	100	107	P	H
		5147.22	41.7	-12.3	54	33.71	32.91	12.86	37.78	100	107	A	H
	*	5290	108.52	-	-	100.52	32.9	12.98	37.88	100	107	P	H
	*	5290	99.34	-	-	91.34	32.9	12.98	37.88	100	107	A	H
		5372.16	66.74	-7.26	74	58.77	32.79	13.12	37.94	100	107	P	H
		5377.2	51.39	-2.61	54	43.4	32.81	13.12	37.94	100	107	A	H
		5142.8	47.56	-26.44	74	39.56	32.91	12.86	37.77	100	5	P	V
		5149.94	37.3	-16.7	54	29.32	32.9	12.86	37.78	100	5	A	V
	*	5290	103.74	-	-	95.74	32.9	12.98	37.88	100	5	P	V
	*	5290	95.37	-	-	87.37	32.9	12.98	37.88	100	5	A	V
		5378.88	61.45	-12.55	74	53.44	32.82	13.13	37.94	100	5	P	V
		5372.16	47.8	-6.2	54	39.83	32.79	13.12	37.94	100	5	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5455.28	65.35	-8.65	74	57.15	32.99	13.21	38	100	116	P	H
		5469.52	66.29	-1.91	68.2	58.11	32.96	13.23	38.01	100	116	P	H
		5459.92	49.04	-4.96	54	40.84	32.98	13.22	38	100	116	A	H
	*	5500	114.31	-	-	106.18	32.9	13.26	38.03	100	116	P	H
	*	5500	108.23	-	-	100.1	32.9	13.26	38.03	100	116	A	H
													H
		5459.44	57.4	-16.6	74	49.2	32.98	13.22	38	100	11	P	V
		5469.36	62.92	-5.28	68.2	54.74	32.96	13.23	38.01	100	11	P	V
		5459.76	47.28	-6.72	54	39.08	32.98	13.22	38	100	11	A	V
	*	5500	112.09	-	-	103.96	32.9	13.26	38.03	100	11	P	V
	*	5500	105.25	-	-	97.12	32.9	13.26	38.03	100	11	A	V
													V
802.11a CH 116 5580MHz		5449.84	47.48	-26.52	74	39.26	33	13.21	37.99	400	352	P	H
		5468.32	46.78	-21.42	68.2	38.61	32.96	13.22	38.01	400	352	P	H
		5459.68	38.59	-15.41	54	30.39	32.98	13.22	38	400	352	A	H
	*	5580	114.04	-	-	105.64	33.08	13.33	38.01	400	352	P	H
	*	5580	108.85	-	-	100.45	33.08	13.33	38.01	400	352	A	H
		5760.275	49.9	-18.3	68.2	40.46	33.84	13.57	37.97	400	352	P	H
		5400.4	47.25	-26.75	74	39.15	32.9	13.16	37.96	100	69	P	V
		5464.96	46.04	-22.16	68.2	37.85	32.97	13.22	38	100	69	P	V
		5459.2	38.18	-15.82	54	29.98	32.98	13.22	38	100	69	A	V
	*	5580	111.5	-	-	103.1	33.08	13.33	38.01	100	69	P	V
	*	5580	106.89	-	-	98.49	33.08	13.33	38.01	100	69	A	V
		5762.165	47.97	-20.23	68.2	38.51	33.85	13.58	37.97	100	69	P	V

802.11a CH 140 5700MHz	*	5700	111.82	-	-	102.91	33.4	13.49	37.98	100	109	P	H
	*	5700	105.71	-	-	96.8	33.4	13.49	37.98	100	109	A	H
		5725.32	66.29	-1.91	68.2	57.14	33.6	13.53	37.98	100	109	P	H
													H
													H
													H
	*	5700	110.48	-	-	101.57	33.4	13.49	37.98	100	13	P	V
	*	5700	103.57	-	-	94.66	33.4	13.49	37.98	100	13	A	V
		5727.24	63.98	-4.22	68.2	54.81	33.62	13.53	37.98	100	13	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	52.07	-21.93	74	35.53	38.9	19.6	41.96	300	59	P	H
		11000	41.44	-12.56	54	24.9	38.9	19.6	41.96	300	59	A	H
		16500	53.32	-14.88	68.2	34.3	38.6	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz		11000	51.98	-22.02	74	35.44	38.9	19.6	41.96	200	1	P	V
		11000	42.37	-11.63	54	25.83	38.9	19.6	41.96	200	1	A	V
		16500	52.2	-16	68.2	33.18	38.6	24.63	44.21	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	51.19	-22.81	74	34.56	39.06	19.75	42.18	200	0	P	H
		11160	41.54	-12.46	54	24.91	39.06	19.75	42.18	200	0	A	H
		16740	52.35	-15.85	68.2	33.65	38.44	24.63	44.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz		11160	51.12	-22.88	74	34.49	39.06	19.75	42.18	200	359	P	V
		11160	41.84	-12.16	54	25.21	39.06	19.75	42.18	200	359	A	V
		16740	52.51	-15.69	68.2	33.81	38.44	24.63	44.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	52.07	-21.93	74	35.21	39.4	19.97	42.51	400	65	P	H
		11400	41.79	-12.21	54	24.93	39.4	19.97	42.51	400	65	A	H
		17100	51.14	-17.06	68.2	33.11	38	24.67	44.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	52.27	-21.73	74	35.41	39.4	19.97	42.51	100	328	P	V
		11400	41.84	-12.16	54	24.98	39.4	19.97	42.51	100	328	A	V
		17100	51.37	-16.83	68.2	33.34	38	24.67	44.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	56.83	-17.17	74	48.63	32.98	13.22	38	100	113	P	H
		5469.68	63.92	-4.28	68.2	55.74	32.96	13.23	38.01	100	113	P	H
		5460	47.15	-6.85	54	38.95	32.98	13.22	38	100	113	A	H
	*	5500	113.18	-	-	105.05	32.9	13.26	38.03	100	113	P	H
802.11ax	*	5500	106.96	-	-	98.83	32.9	13.26	38.03	100	113	A	H
HE20 Full		5459.92	55.71	-18.29	74	47.51	32.98	13.22	38	100	75	P	V
CH 100		5469.52	60.49	-7.71	68.2	52.31	32.96	13.23	38.01	100	75	P	V
5500MHz		5459.92	45.38	-8.62	54	37.18	32.98	13.22	38	100	75	A	V
	*	5500	113.86	-	-	105.73	32.9	13.26	38.03	100	75	P	V
	*	5500	105.91	-	-	97.78	32.9	13.26	38.03	100	75	A	V
													V
													V
		5453.44	47.2	-26.8	74	39	32.99	13.21	38	244	0	P	H
		5466.88	47.03	-21.17	68.2	38.85	32.97	13.22	38.01	244	0	P	H
		5458.48	38.55	-15.45	54	30.35	32.98	13.22	38	244	0	A	H
	*	5580	116.13	-	-	107.73	33.08	13.33	38.01	244	0	P	H
802.11ax	*	5580	109.33	-	-	100.93	33.08	13.33	38.01	244	0	A	H
HE20 Full		5741.69	49.25	-18.95	68.2	39.94	33.73	13.55	37.97	244	0	P	H
CH 116		5440.48	46.83	-27.17	74	38.64	32.98	13.2	37.99	100	73	P	V
5580MHz		5464.96	46.19	-22.01	68.2	38	32.97	13.22	38	100	73	P	V
		5459.68	37.86	-16.14	54	29.66	32.98	13.22	38	100	73	A	V
	*	5580	113.34	-	-	104.94	33.08	13.33	38.01	100	73	P	V
	*	5580	107.35	-	-	98.95	33.08	13.33	38.01	100	73	A	V
		5738.54	47.91	-20.29	68.2	38.63	33.71	13.54	37.97	100	73	P	V

	*	5700	110.91	-	-	102	33.4	13.49	37.98	100	104	P	H
	*	5700	103.95	-	-	95.04	33.4	13.49	37.98	100	104	A	H
		5725.24	63.56	-4.64	68.2	54.41	33.6	13.53	37.98	100	104	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	109.71	-	-	100.8	33.4	13.49	37.98	100	13	P	V
5700MHz	*	5700	102.85	-	-	93.94	33.4	13.49	37.98	100	13	A	V
		5725.16	61.02	-7.18	68.2	51.87	33.6	13.53	37.98	100	13	P	V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	50.67	-23.33	74	34.13	38.9	19.6	41.96	200	1	P	H
		11000	41.56	-12.44	54	25.02	38.9	19.6	41.96	200	1	A	H
		16500	52.98	-15.22	68.2	33.96	38.6	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	51.07	-22.93	74	34.53	38.9	19.6	41.96	200	359	P	V
5500MHz		11000	42.04	-11.96	54	25.5	38.9	19.6	41.96	200	359	A	V
		16500	52.52	-15.68	68.2	33.5	38.6	24.63	44.21	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	51.75	-22.25	74	35.12	39.06	19.75	42.18	100	352	P	H
		11160	42	-12	54	25.37	39.06	19.75	42.18	100	352	A	H
		16740	52.28	-15.92	68.2	33.58	38.44	24.63	44.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	52.06	-21.94	74	35.43	39.06	19.75	42.18	200	359	P	V
5580MHz		11160	42.56	-11.44	54	25.93	39.06	19.75	42.18	200	359	A	V
		16740	53	-15.2	68.2	34.3	38.44	24.63	44.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	51.48	-22.52	74	34.62	39.4	19.97	42.51	400	94	P	H
		11400	41.94	-12.06	54	25.08	39.4	19.97	42.51	400	94	A	H
		17100	51.83	-16.37	68.2	33.8	38	24.67	44.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	51.35	-22.65	74	34.49	39.4	19.97	42.51	250	353	P	V
5700MHz		11400	41.91	-12.09	54	25.05	39.4	19.97	42.51	250	353	A	V
		17100	51.65	-16.55	68.2	33.62	38	24.67	44.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	64.34	-9.66	74	56.14	32.98	13.22	38	101	109	P	H
		5460.56	64.47	-3.73	68.2	56.27	32.98	13.22	38	101	109	P	H
		5460	43.52	-10.48	54	35.32	32.98	13.22	38	101	109	A	H
802.11ax	*	5500	112.55	-	-	104.42	32.9	13.26	38.03	101	109	P	H
HE20	*	5500	105.21	-	-	97.08	32.9	13.26	38.03	101	109	A	H
Partial													H
106/53		5456.4	57.23	-16.77	74	49.03	32.99	13.21	38	100	68	P	V
CH 100		5469.2	64.07	-4.13	68.2	55.89	32.96	13.23	38.01	100	68	P	V
5500MHz		5460	40.91	-13.09	54	32.71	32.98	13.22	38	100	68	A	V
	*	5500	111.27	-	-	103.14	32.9	13.26	38.03	100	68	P	V
	*	5500	103.67	-	-	95.54	32.9	13.26	38.03	100	68	A	V
													V
	*	5700	113.02	-	-	104.11	33.4	13.49	37.98	100	55	P	H
	*	5700	104.8	-	-	95.89	33.4	13.49	37.98	100	55	A	H
		5725.4	66.94	-1.26	68.2	57.79	33.6	13.53	37.98	100	55	P	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	110.53	-	-	101.62	33.4	13.49	37.98	100	2	P	V
CH 140	*	5700	102.31	-	-	93.4	33.4	13.49	37.98	100	2	A	V
5700MHz		5728.92	66.63	-1.57	68.2	57.45	33.63	13.53	37.98	100	2	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	61.26	-12.74	74	53.06	32.98	13.22	38	100	115	P	H
		5469.76	65.18	-3.02	68.2	57	32.96	13.23	38.01	100	115	P	H
		5459.92	48.43	-5.57	54	40.23	32.98	13.22	38	100	115	A	H
	*	5510	110.89	-	-	102.76	32.9	13.26	38.03	100	115	P	H
802.11ax	*	5510	103.81	-	-	95.68	32.9	13.26	38.03	100	115	A	H
HE40 Full		5743.895	47.24	-20.96	68.2	37.91	33.75	13.55	37.97	100	115	P	H
CH 102		5459.2	55.01	-18.99	74	46.81	32.98	13.22	38	100	66	P	V
5510MHz		5470	59.36	-8.84	68.2	51.18	32.96	13.23	38.01	100	66	P	V
		5459.92	46.59	-7.41	54	38.39	32.98	13.22	38	100	66	A	V
	*	5510	109.15	-	-	101.02	32.9	13.26	38.03	100	66	P	V
	*	5510	102.04	-	-	93.91	32.9	13.26	38.03	100	66	A	V
		5757.125	47.12	-21.08	68.2	37.69	33.83	13.57	37.97	100	66	P	V
		5447.92	60.82	-13.18	74	52.6	33	13.21	37.99	100	119	P	H
		5469.76	63.67	-4.53	68.2	55.49	32.96	13.23	38.01	100	119	P	H
		5459.92	48.03	-5.97	54	39.83	32.98	13.22	38	100	119	A	H
	*	5550	112.46	-	-	104.28	32.9	13.3	38.02	100	119	P	H
802.11ax	*	5550	105.42	-	-	97.24	32.9	13.3	38.02	100	119	A	H
HE40 Full		5725.94	49.18	-19.02	68.2	40.02	33.61	13.53	37.98	100	119	P	H
CH 110		5459.2	59.22	-14.78	74	51.02	32.98	13.22	38	100	73	P	V
5550MHz		5466.88	60.82	-7.38	68.2	52.64	32.97	13.22	38.01	100	73	P	V
		5458.48	45.96	-8.04	54	37.76	32.98	13.22	38	100	73	A	V
	*	5550	110.45	-	-	102.27	32.9	13.3	38.02	100	73	P	V
	*	5550	103.57	-	-	95.39	32.9	13.3	38.02	100	73	A	V
		5759.33	48.17	-20.03	68.2	38.73	33.84	13.57	37.97	100	73	P	V

		5457.45	47.16	-26.84	74	38.96	32.99	13.21	38	100	109	P	H
		5466.55	48.11	-20.09	68.2	39.93	32.97	13.22	38.01	100	109	P	H
		5457.45	37.8	-16.2	54	29.6	32.99	13.21	38	100	109	A	H
	*	5670	110.22	-	-	101.48	33.28	13.45	37.99	100	109	P	H
802.11ax	*	5670	101.87	-	-	93.13	33.28	13.45	37.99	100	109	A	H
HE40 Full		5726.325	67.08	-1.12	68.2	57.92	33.61	13.53	37.98	100	109	P	H
CH 134		5456.4	46.44	-27.56	74	38.24	32.99	13.21	38	100	9	P	V
5670MHz		5463.4	46.76	-21.44	68.2	38.57	32.97	13.22	38	100	9	P	V
		5453.6	37.04	-16.96	54	28.84	32.99	13.21	38	100	9	A	V
	*	5670	109.42	-	-	100.66	33.3	13.45	37.99	100	9	P	V
	*	5670	101.73	-	-	92.97	33.3	13.45	37.99	100	9	A	V
		5725.8	66.73	-1.47	68.2	57.57	33.61	13.53	37.98	100	9	P	V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	50.66	-23.34	74	34.11	38.92	19.62	41.99	200	23	P	H
		11020	41.61	-12.39	54	25.06	38.92	19.62	41.99	200	23	A	H
		16530	53.42	-14.78	68.2	34.48	38.54	24.63	44.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	50.5	-23.5	74	33.95	38.92	19.62	41.99	300	329	P	V
5510MHz		11020	41.63	-12.37	54	25.08	38.92	19.62	41.99	300	329	A	V
		16530	53.6	-14.6	68.2	34.66	38.54	24.63	44.23	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	51.25	-22.75	74	34.65	39	19.7	42.1	350	69	P	H
		11100	41.74	-12.26	54	25.14	39	19.7	42.1	350	69	A	H
		16650	52.9	-15.3	68.2	34.08	38.5	24.63	44.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	51.17	-22.83	74	34.57	39	19.7	42.1	250	0	P	V
5550MHz		11100	41.76	-12.24	54	25.16	39	19.7	42.1	250	0	A	V
		16650	52.35	-15.85	68.2	33.53	38.5	24.63	44.31	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	50.22	-23.78	74	33.45	39.28	19.92	42.43	400	235	P	H
		11340	41.59	-12.41	54	24.82	39.28	19.92	42.43	400	235	A	H
		17010	51.97	-16.23	68.2	33.9	38	24.63	44.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	50.8	-23.2	74	34.03	39.28	19.92	42.43	150	136	P	V
5670MHz		11340	41.62	-12.38	54	24.85	39.28	19.92	42.43	150	136	A	V
		17010	53.54	-14.66	68.2	35.47	38	24.63	44.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.6	55.06	-18.94	74	46.86	32.99	13.21	38	100	103	P	H
		5466.4	66.59	-1.61	68.2	58.41	32.97	13.22	38.01	100	103	P	H
		5459.92	43.09	-10.91	54	34.89	32.98	13.22	38	100	103	A	H
802.11ax	*	5510	110.25	-	-	102.12	32.9	13.26	38.03	100	103	P	H
HE40	*	5510	101.13	-	-	93	32.9	13.26	38.03	100	103	A	H
Partial		5737.91	46.65	-21.55	68.2	37.38	33.7	13.54	37.97	100	103	P	H
242/61		5387.68	49.92	-24.08	74	41.88	32.85	13.14	37.95	100	73	P	V
CH 102		5469.76	63.9	-4.3	68.2	55.72	32.96	13.23	38.01	100	73	P	V
5510MHz		5458.72	40.58	-13.42	54	32.38	32.98	13.22	38	100	73	A	V
	*	5510	107.54	-	-	99.41	32.9	13.26	38.03	100	73	P	V
	*	5510	99.31	-	-	91.18	32.9	13.26	38.03	100	73	A	V
		5735.075	46.82	-21.38	68.2	37.57	33.68	13.54	37.97	100	73	P	V
		5450.1	46.83	-27.17	74	38.61	33	13.21	37.99	100	103	P	H
		5470	46.19	-22.01	68.2	38.01	32.96	13.23	38.01	100	103	P	H
		5450.8	37.29	-16.71	54	29.07	33	13.21	37.99	100	103	A	H
802.11ax	*	5670	108.25	-	-	99.51	33.28	13.45	37.99	100	103	P	H
HE40	*	5670	99.74	-	-	91	33.28	13.45	37.99	100	103	A	H
Partial		5725.975	62.69	-5.51	68.2	53.53	33.61	13.53	37.98	100	103	P	H
242/62		5403.2	46.79	-27.21	74	38.68	32.91	13.16	37.96	100	4	P	V
CH 134		5462.7	45.43	-22.77	68.2	37.24	32.97	13.22	38	100	4	P	V
5670MHz		5457.1	36.99	-17.01	54	28.79	32.99	13.21	38	100	4	A	V
	*	5670	107.99	-	-	99.25	33.28	13.45	37.99	100	4	P	V
	*	5670	99.31	-	-	90.57	33.28	13.45	37.99	100	4	A	V
		5726.15	62.34	-5.86	68.2	53.18	33.61	13.53	37.98	100	4	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.48	61.79	-12.21	74	53.59	32.98	13.22	38	279	352	P	H
		5469.04	60.87	-7.33	68.2	52.69	32.96	13.23	38.01	279	352	P	H
		5458	51.57	-2.43	54	43.37	32.98	13.22	38	279	352	A	H
	*	5530	109.11	-	-	100.95	32.9	13.28	38.02	279	352	P	H
802.11ax	*	5530	101.5	-	-	93.34	32.9	13.28	38.02	279	352	A	H
HE80 Full		5725.94	49.37	-18.83	68.2	40.21	33.61	13.53	37.98	279	352	P	H
CH 106		5459.2	58.98	-15.02	74	50.78	32.98	13.22	38	100	72	P	V
5530MHz		5470	60.55	-7.65	68.2	52.37	32.96	13.23	38.01	100	72	P	V
		5459.44	50.41	-3.59	54	42.21	32.98	13.22	38	100	72	A	V
	*	5530	107.3	-	-	99.14	32.9	13.28	38.02	100	72	P	V
	*	5530	99.17	-	-	91.01	32.9	13.28	38.02	100	72	A	V
		5756.18	47.6	-20.6	68.2	38.18	33.82	13.57	37.97	100	72	P	V
		5459.9	61.07	-12.93	74	52.87	32.98	13.22	38	100	109	P	H
		5460.25	63.51	-4.69	68.2	55.31	32.98	13.22	38	100	109	P	H
		5459.9	51.18	-2.82	54	42.98	32.98	13.22	38	100	109	A	H
	*	5610	107.41	-	-	98.85	33.2	13.36	38	100	109	P	H
802.11ax	*	5610	100.46	-	-	91.9	33.2	13.36	38	100	109	A	H
HE80 Full		5731.75	62.94	-5.26	68.2	53.73	33.65	13.53	37.97	100	109	P	H
CH 122		5456.05	58.24	-15.76	74	50.04	32.99	13.21	38	100	69	P	V
5610MHz		5467.25	60.54	-7.66	68.2	52.36	32.97	13.22	38.01	100	69	P	V
		5458.15	47.79	-6.21	54	39.59	32.98	13.22	38	100	69	A	V
	*	5610	108.32	-	-	99.76	33.2	13.36	38	100	69	P	V
	*	5610	100.04	-	-	91.48	33.2	13.36	38	100	69	A	V
		5725	54.67	-13.53	68.2	45.52	33.6	13.53	37.98	100	69	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	51.07	-22.93	74	34.49	38.96	19.66	42.04	100	86	P	H
		11060	41.9	-12.1	54	25.32	38.96	19.66	42.04	100	86	A	H
		16590	52.77	-15.43	68.2	33.99	38.42	24.63	44.27	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	50.35	-23.65	74	33.77	38.96	19.66	42.04	150	194	P	V
5530MHz		11060	41.98	-12.02	54	25.4	38.96	19.66	42.04	150	194	A	V
		16590	53.07	-15.13	68.2	34.29	38.42	24.63	44.27	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	50.75	-23.25	74	34.08	39.12	19.81	42.26	100	212	P	H
		11220	41.88	-12.12	54	25.21	39.12	19.81	42.26	100	212	A	H
		16830	52	-16.2	68.2	33.66	38.14	24.63	44.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	51.03	-22.97	74	34.36	39.12	19.81	42.26	200	11	P	V
5610MHz		11220	41.84	-12.16	54	25.17	39.12	19.81	42.26	200	11	A	V
		16830	52.79	-15.41	68.2	34.45	38.14	24.63	44.43	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.12	63.4	-10.6	74	55.2	32.99	13.21	38	372	112	P	H
		5468.56	65.58	-2.62	68.2	57.4	32.96	13.23	38.01	372	112	P	H
		5455.12	46.35	-7.65	54	38.15	32.99	13.21	38	372	112	A	H
802.11ax	*	5530	106.01	-	-	97.85	32.9	13.28	38.02	100	112	P	H
HE80	*	5530	98.04	-	-	89.88	32.9	13.28	38.02	100	112	A	H
Partial		5752.715	48.93	-19.27	68.2	39.53	33.81	13.56	37.97	100	112	P	H
484/65		5444.32	61.82	-12.18	74	53.62	32.99	13.2	37.99	100	68	P	V
CH 106		5468.56	62.39	-5.81	68.2	54.21	32.96	13.23	38.01	100	68	P	V
5530MHz		5455.12	44.54	-9.46	54	36.34	32.99	13.21	38	100	68	A	V
	*	5530	103.67	-	-	95.51	32.9	13.28	38.02	100	68	P	V
	*	5530	96.7	-	-	88.54	32.9	13.28	38.02	100	68	A	V
		5756.81	47.66	-20.54	68.2	38.23	33.83	13.57	37.97	100	68	P	V
		5441	53.68	-20.32	74	45.49	32.98	13.2	37.99	100	110	P	H
		5468.3	56.47	-11.73	68.2	48.3	32.96	13.22	38.01	100	110	P	H
		5458.85	39.58	-14.42	54	31.38	32.98	13.22	38	100	110	A	H
802.11ax	*	5610	105.74	-	-	97.18	33.2	13.36	38	100	110	P	H
HE80	*	5610	97.24	-	-	88.68	33.2	13.36	38	100	110	A	H
Partial		5725	60.98	-7.22	68.2	51.83	33.6	13.53	37.98	100	110	P	H
484/66		5449.75	50.54	-23.46	74	42.32	33	13.21	37.99	100	6	P	V
CH 122		5463.05	53.17	-15.03	68.2	44.98	32.97	13.22	38	100	6	P	V
5610MHz		5458.85	38.28	-15.72	54	30.08	32.98	13.22	38	100	6	A	V
	*	5610	102.8	-	-	94.24	33.2	13.36	38	100	6	P	V
	*	5610	94.56	-	-	86	33.2	13.36	38	100	6	A	V
		5725.1	60.51	-7.69	68.2	51.36	33.6	13.53	37.98	100	6	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.55	61.07	-12.93	74	52.87	32.98	13.22	38	305	316	P	H
		5460.6	60.87	-7.33	68.2	52.67	32.98	13.22	38	305	316	P	H
		5459.55	52.32	-1.68	54	44.12	32.98	13.22	38	305	316	A	H
	*	5570	105.52	-	-	97.19	33.02	13.32	38.01	305	316	P	H
802.11ax	*	5570	96.98	-	-	88.65	33.02	13.32	38.01	305	316	A	H
HE160 Full		5728.775	60.1	-8.1	68.2	50.92	33.63	13.53	37.98	305	316	P	H
CH 114		5447.3	59.2	-14.8	74	51	32.99	13.2	37.99	100	67	P	V
5570MHz		5468.3	58.41	-9.79	68.2	50.24	32.96	13.22	38.01	100	67	P	V
		5447.3	50.23	-3.77	54	42.03	32.99	13.2	37.99	100	67	A	V
	*	5570	101.92	-	-	93.59	33.02	13.32	38.01	100	67	P	V
	*	5570	94.43	-	-	86.1	33.02	13.32	38.01	100	67	A	V
		5727.515	55.19	-13.01	68.2	46.02	33.62	13.53	37.98	100	67	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	51.23	-22.77	74	34.61	39.04	19.73	42.15	400	321	P	H
		11140	41.63	-12.37	54	25.01	39.04	19.73	42.15	400	321	A	H
		16710	52.44	-15.76	68.2	33.6	38.56	24.63	44.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	51.33	-22.67	74	34.71	39.04	19.73	42.15	300	334	P	V
5570MHz		11140	41.65	-12.35	54	25.03	39.04	19.73	42.15	300	334	A	V
		16710	52.79	-15.41	68.2	33.95	38.56	24.63	44.35	-	-	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 HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5445.55	68.95	-5.05	74	60.75	32.99	13.2	37.99	100	120	P	H
		5459.9	67.99	-6.01	74	59.79	32.98	13.22	38	100	120	P	H
		5445.55	50.98	-3.02	54	42.78	32.99	13.2	37.99	100	120	A	H
802.11ax	*	5570	103.54	-	-	95.21	33.02	13.32	38.01	100	120	P	H
HE160	*	5570	95	-	-	86.67	33.02	13.32	38.01	100	120	A	H
Partial		5727.83	66.38	-1.82	68.2	57.21	33.62	13.53	37.98	100	120	P	H
996/67		5444.15	67.42	-6.58	74	59.22	32.99	13.2	37.99	100	76	P	V
CH 114		5464.45	65.13	-3.07	68.2	56.94	32.97	13.22	38	100	76	P	V
5570MHz		5444.15	49.85	-4.15	54	41.65	32.99	13.2	37.99	100	76	A	V
	*	5570	101.61	-	-	93.28	33.02	13.32	38.01	100	76	P	V
	*	5570	92.73	-	-	84.4	33.02	13.32	38.01	100	76	A	V
		5727.83	57.9	-10.3	68.2	48.73	33.62	13.53	37.98	100	76	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5369.11	47.19	-26.81	74	39.24	32.78	13.11	37.94	244	11	P	H
		5462.32	45.88	-22.32	68.2	37.68	32.98	13.22	38	244	11	P	H
		5450.62	37.2	-16.8	54	28.98	33	13.21	37.99	244	11	A	H
	*	5720	116.19	-	-	107.09	33.56	13.52	37.98	244	11	P	H
	*	5720	109.84	-	-	100.74	33.56	13.52	37.98	244	11	A	H
		5860.5	59.7	-8.5	68.2	49.63	34.3	13.71	37.94	244	11	P	H
		5367.55	45.92	-28.08	74	37.97	32.77	13.11	37.93	306	29	P	V
		5469.73	45.59	-22.61	68.2	37.41	32.96	13.23	38.01	306	29	P	V
		5454.52	36.83	-17.17	54	28.63	32.99	13.21	38	306	29	A	V
	*	5720	113.84	-	-	104.74	33.56	13.52	37.98	306	29	P	V
	*	5720	107.26	-	-	98.16	33.56	13.52	37.98	306	29	A	V
		5856.5	56.8	-11.4	68.2	46.74	34.3	13.7	37.94	306	29	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	51.83	-22.17	74	35.11	39.28	20.01	42.57	300	145	P	H
		11440	41.57	-12.43	54	24.85	39.28	20.01	42.57	300	145	A	H
		17160	52.37	-15.83	68.2	34.43	37.94	24.7	44.7	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	51.75	-22.25	74	35.03	39.28	20.01	42.57	100	2	P	V
		11440	41.8	-12.2	54	25.08	39.28	20.01	42.57	100	2	A	V
		17160	51.41	-16.79	68.2	33.47	37.94	24.7	44.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5379.64	46.22	-27.78	74	38.21	32.82	13.13	37.94	226	347	P	H
		5465.44	46.85	-21.35	68.2	38.67	32.97	13.22	38.01	226	347	P	H
		5456.86	37.93	-16.07	54	29.73	32.99	13.21	38	226	347	A	H
	*	5720	116.42	-	-	107.32	33.56	13.52	37.98	226	347	P	H
802.11ax	*	5720	109.3	-	-	100.2	33.56	13.52	37.98	226	347	A	H
HE20 Full		5888.75	49.02	-19.18	68.2	38.91	34.3	13.75	37.94	226	347	P	H
CH 144		5397.58	45.8	-28.2	74	37.71	32.89	13.16	37.96	400	78	P	V
5720MHz		5467	45.17	-23.03	68.2	36.99	32.97	13.22	38.01	400	78	P	V
		5456.86	37.04	-16.96	54	28.84	32.99	13.21	38	400	78	A	V
	*	5720	114.77	-	-	105.67	33.56	13.52	37.98	400	78	P	V
	*	5720	106.89	-	-	97.79	33.56	13.52	37.98	400	78	A	V
		5884.75	48.51	-19.69	68.2	38.41	34.3	13.74	37.94	400	78	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	50.56	-23.44	74	33.84	39.28	20.01	42.57	350	382	P	H
		11440	41.61	-12.39	54	24.89	39.28	20.01	42.57	350	382	A	H
		17160	51.95	-16.25	68.2	34.01	37.94	24.7	44.7	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	51.95	-22.05	74	35.23	39.28	20.01	42.57	200	32	P	V
5720MHz		11440	41.68	-12.32	54	24.96	39.28	20.01	42.57	200	32	A	V
		17160	51.92	-16.28	68.2	33.98	37.94	24.7	44.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5447.5	47.03	-26.97	74	38.82	32.99	13.21	37.99	100	110	P	H
		5464.66	46.65	-21.55	68.2	38.46	32.97	13.22	38	100	110	P	H
		5459.2	37.71	-16.29	54	29.51	32.98	13.22	38	100	110	A	H
	*	5710	110.01	-	-	101.01	33.48	13.5	37.98	100	110	P	H
	*	5710	103.17	-	-	94.17	33.48	13.5	37.98	100	110	A	H
		5850.75	63.84	-4.36	68.2	53.79	34.3	13.7	37.95	100	110	P	H
		5456.86	46.8	-27.2	74	38.6	32.99	13.21	38	100	11	P	V
		5461.15	46.21	-21.99	68.2	38.01	32.98	13.22	38	100	11	P	V
		5459.2	37.05	-16.95	54	28.85	32.98	13.22	38	100	11	A	V
	*	5710	110.41	-	-	101.41	33.48	13.5	37.98	100	11	P	V
	*	5710	102.46	-	-	93.46	33.48	13.5	37.98	100	11	A	V
		5851	63	-5.2	68.2	52.95	34.3	13.7	37.95	100	11	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	50.9	-23.1	74	34.11	39.34	19.99	42.54	250	201	P	H
		11420	41.88	-12.12	54	25.09	39.34	19.99	42.54	250	201	A	H
		17130	51.84	-16.36	68.2	33.86	37.97	24.68	44.67	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	50.87	-23.13	74	34.08	39.34	19.99	42.54	300	328	P	V
5710MHz		11420	41.83	-12.17	54	25.04	39.34	19.99	42.54	300	328	A	V
		17130	51.01	-17.19	68.2	33.03	37.97	24.68	44.67	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 Straddle Channel

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5431.51	55.43	-18.57	74	47.26	32.96	13.19	37.98	100	112	P	H
		5467.39	53.16	-15.04	68.2	44.98	32.97	13.22	38.01	100	112	P	H
		5459.2	43.65	-10.35	54	35.45	32.98	13.22	38	100	112	A	H
	*	5690	108.91	-	-	100.05	33.36	13.48	37.98	100	112	P	H
	*	5690	101	-	-	92.14	33.36	13.48	37.98	100	112	A	H
		5863.9	64.78	-3.42	68.2	54.71	34.3	13.71	37.94	100	112	P	H
		5448.28	50.86	-23.14	74	42.64	33	13.21	37.99	100	10	P	V
		5470.12	52.64	-97.36	150	44.46	32.96	13.23	38.01	100	10	P	V
		5458.81	41.72	-12.28	54	33.52	32.98	13.22	38	100	10	A	V
	*	5690	108.39	-	-	99.53	33.36	13.48	37.98	100	10	P	V
	*	5690	100.65	-	-	91.79	33.36	13.48	37.98	100	10	A	V
		5852.5	61.09	-7.11	68.2	51.04	34.3	13.7	37.95	100	10	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. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	51.38	-22.62	74	34.55	39.36	19.95	42.48	400	105	P	H
		11380	41.73	-12.27	54	24.9	39.36	19.95	42.48	400	105	A	H
		17070	50.96	-17.24	68.2	32.91	38	24.66	44.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	51.42	-22.58	74	34.59	39.36	19.95	42.48	400	146	P	V
5690MHz		11380	41.72	-12.28	54	24.89	39.36	19.95	42.48	400	146	A	V
		17070	51.36	-16.84	68.2	33.31	38	24.66	44.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		38636	49.77	-24.23	74	40.18	44.56	26.47	61.44	-	-	P	H
		38636	39.44	-14.56	54	29.85	44.56	26.47	61.44	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39428	50.5	-23.5	74	41.04	45.76	26.57	62.87	-	-	P	V
		39428	39.86	-14.14	54	30.4	45.76	26.57	62.87	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		31.53	24.82	-15.18	40	35.03	24.26	1.29	35.76	-	-	P	H
		136.76	29.24	-14.26	43.5	44.7	17.9	2.25	35.61	-	-	P	H
		403.2	33.22	-12.78	46	42.52	21.96	3.71	34.97	-	-	P	H
		747.2	37.8	-8.2	46	38.44	28.23	5.03	33.9	-	-	P	H
		902.4	34.38	-11.62	46	33.15	28.98	5.53	33.28	-	-	P	H
		947.2	35.36	-10.64	46	32.14	30.67	5.69	33.14	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.89	29.62	-10.38	40	40.48	23.62	1.28	35.76	-	-	P	V
		128.43	25.02	-18.48	43.5	40.75	17.72	2.18	35.63	-	-	P	V
		400.8	27.24	-18.76	46	36.63	21.88	3.7	34.97	-	-	P	V
		740	35.49	-10.51	46	36.21	28.2	5.01	33.93	-	-	P	V
		836.8	33.76	-12.24	46	33.19	28.72	5.37	33.52	-	-	P	V
		954.4	35.4	-10.6	46	31.89	30.92	5.71	33.12	-	-	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 3 - 5470~5725MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 134 5670MHz		5448	47.96	-26.04	74	39.74	33	13.21	37.99	100	109	P	H
		5463.4	47.16	-21.04	68.2	38.97	32.97	13.22	38	100	109	P	H
		5459.9	38	-16	54	29.8	32.98	13.22	38	100	109	A	H
	*	5670	112.63	-	-	103.89	33.28	13.45	37.99	100	109	P	H
	*	5670	104.49	-	-	95.75	33.28	13.45	37.99	100	109	A	H
		5728.6	67.1	-1.1	68.2	57.92	33.63	13.53	37.98	100	109	P	H
		5448.7	46.32	-27.68	74	38.1	33	13.21	37.99	100	9	P	V
		5466.9	47.03	-21.17	68.2	38.85	32.97	13.22	38.01	100	9	P	V
		5456.4	37.33	-16.67	54	29.13	32.99	13.21	38	100	9	A	V
	*	5670	109.06	-	-	100.32	33.28	13.45	37.99	100	9	P	V
	*	5670	101.78	-	-	93.04	33.28	13.45	37.99	100	9	A	V
		5725.625	63.09	-5.11	68.2	53.94	33.6	13.53	37.98	100	9	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	50.87	-23.13	74	34.1	39.28	19.92	42.43	315	360	P	H
		11340	41.01	-12.99	54	24.24	39.28	19.92	42.43	315	360	A	H
		17010	51.94	-16.26	68.2	33.87	38	24.63	44.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	51.29	-22.71	74	34.52	39.28	19.92	42.43	400	209	P	V
5670MHz		11340	40.97	-13.03	54	24.2	39.28	19.92	42.43	400	209	A	V
		17010	51.76	-16.44	68.2	33.69	38	24.63	44.56	-	-	P	V
													V
													V
													V
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													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		39482	49.73	-24.27	74	40.65	45.48	26.57	62.97	-	-	P	H
		39482	39.67	-14.33	54	30.59	45.48	26.57	62.97	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		38810	51.34	-22.66	74	41.94	44.64	26.52	61.76	-	-	P	V
		38810	40.39	-13.61	54	30.99	44.64	26.52	61.76	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.34	24.51	-15.49	40	33.96	24.82	1.32	35.59	-	-	P	H
		114.66	20.54	-22.96	43.5	36.47	17.5	2.05	35.48	-	-	P	H
		154.95	24.32	-19.18	43.5	40.28	17.09	2.36	35.41	-	-	P	H
		259.2	22.53	-23.47	46	34.75	19.98	3	35.2	-	-	P	H
		711.2	30.7	-15.3	46	32.84	26.85	4.9	33.89	-	-	P	H
		955.2	35.61	-10.39	46	31.9	30.95	5.72	32.96	-	-	P	H
													H
													H
													H
													H
													H
													H
		35.61	29.75	-10.25	40	41.94	22.14	1.25	35.58	-	-	P	V
		54.14	23.15	-16.85	40	44.16	13.1	1.46	35.57	-	-	P	V
		152.91	23.9	-19.6	43.5	39.79	17.18	2.35	35.42	-	-	P	V
		558.4	29	-17	46	32.74	26.24	4.39	34.37	-	-	P	V
		740	37.23	-8.77	46	37.75	28.2	5.01	33.73	-	-	P	V
		956	35.95	-10.05	46	32.2	30.98	5.72	32.95	-	-	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.

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.	
6+7		(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 :	John Chuang, David Dai and Howard Huang	**Temperature :**	18.9~23.4°C
		Relative Humidity :	65.7~69.9%

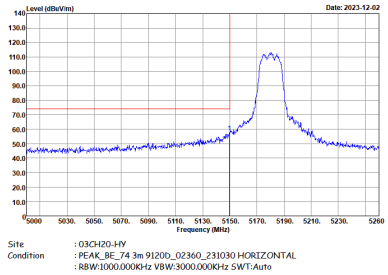
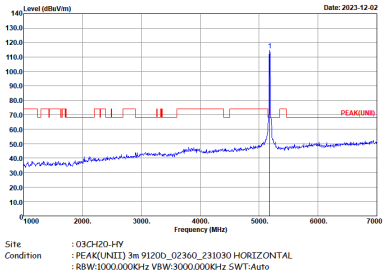
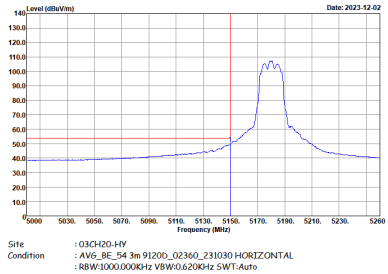
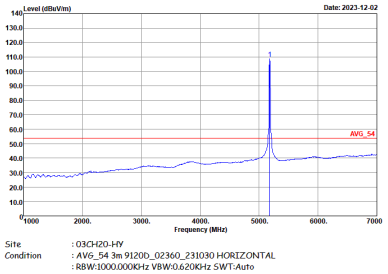
Note symbol

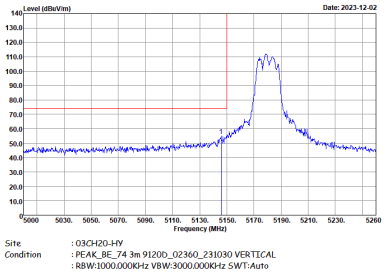
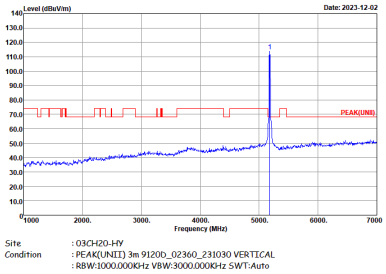
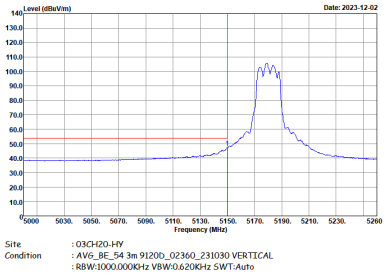
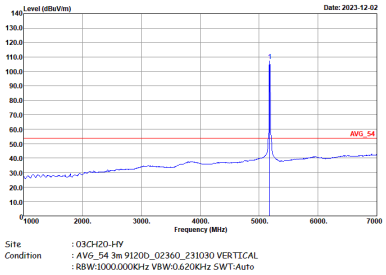
-L	**Low channel location**
-R	**High channel location**

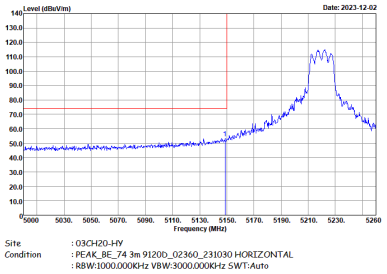
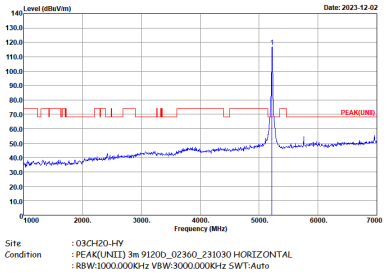
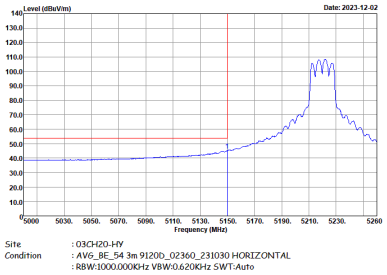
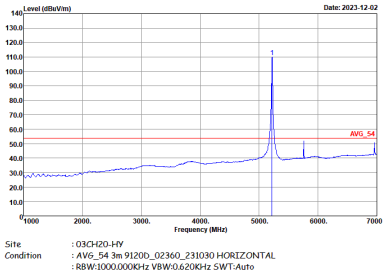
<Sample 1>

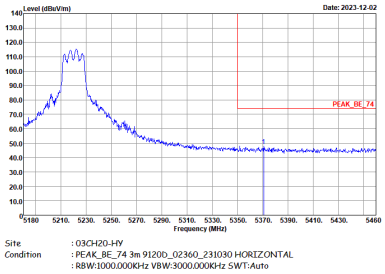
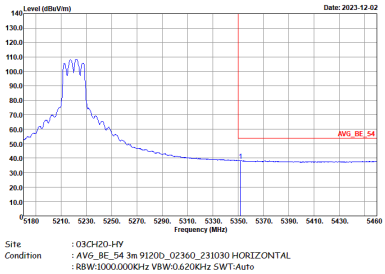
Band 1 - 5150~5250MHz

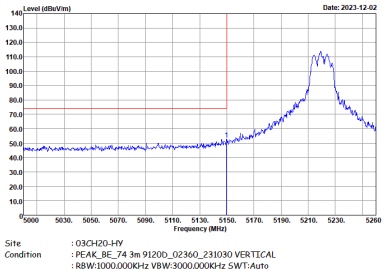
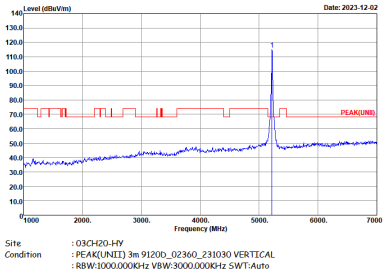
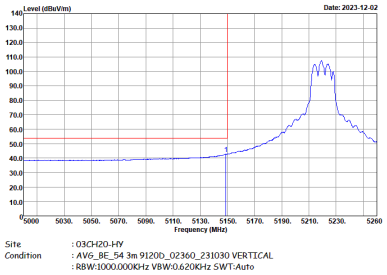
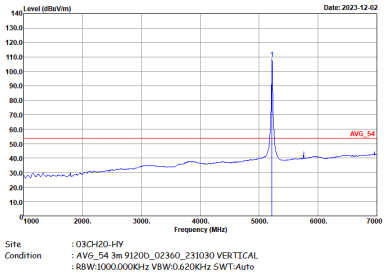
WIFI 802.11a (Band Edge @ 3m)

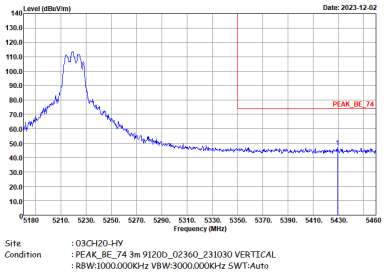
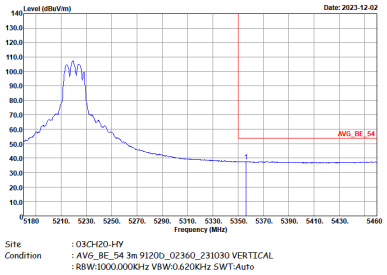
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak		
Avg.		

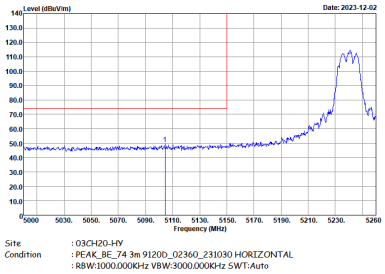
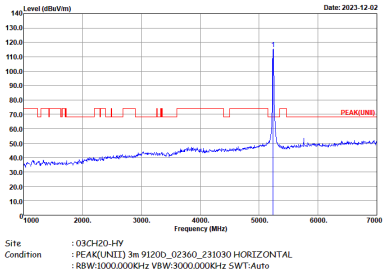
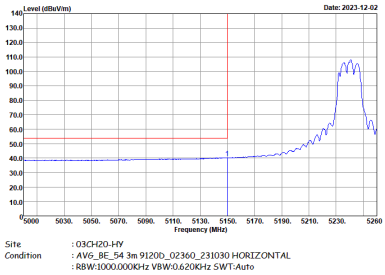
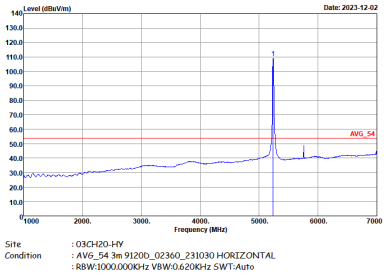
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

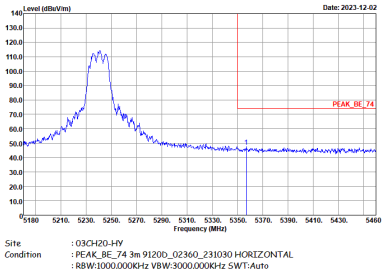
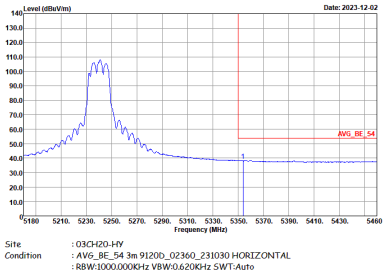
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

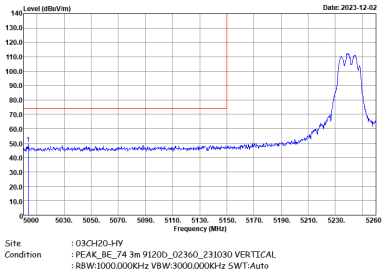
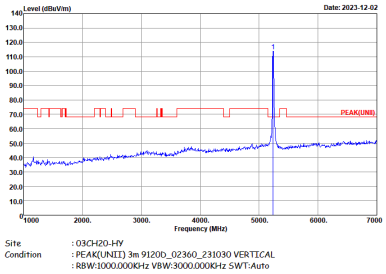
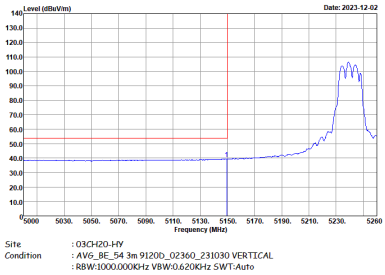
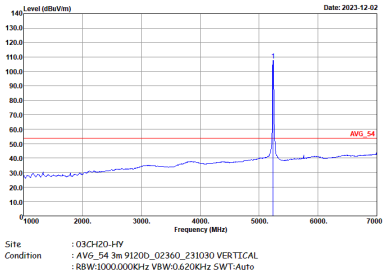
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

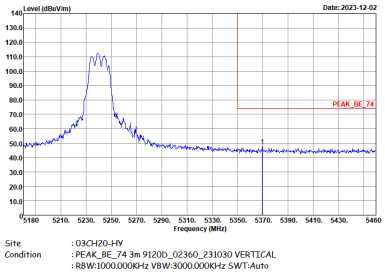
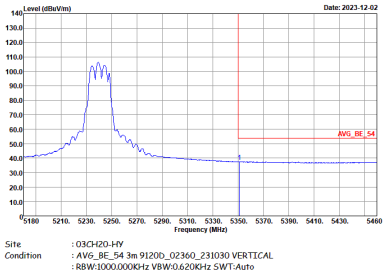
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

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

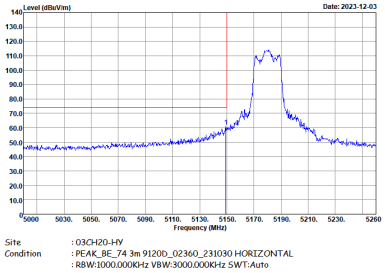
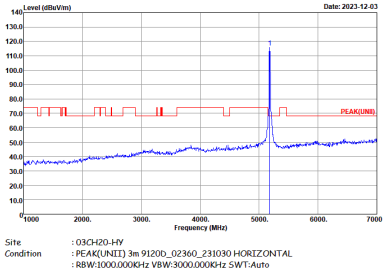
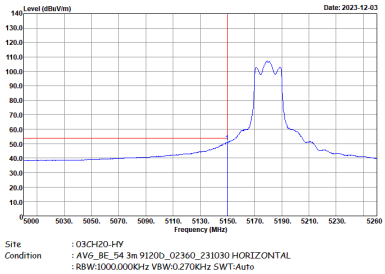
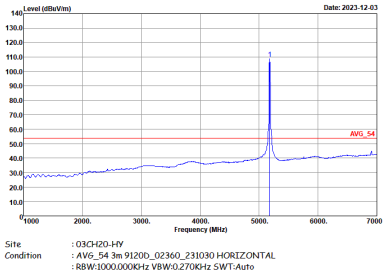
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

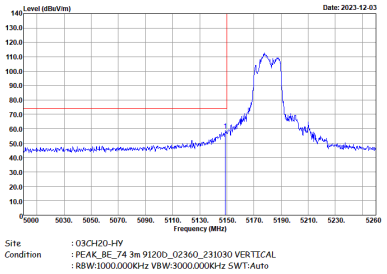
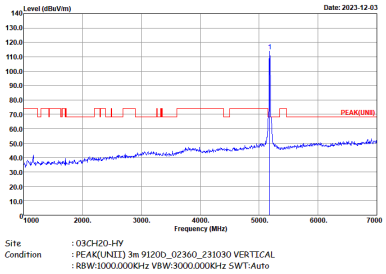
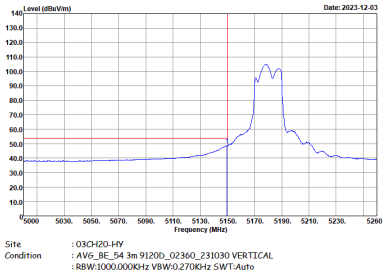
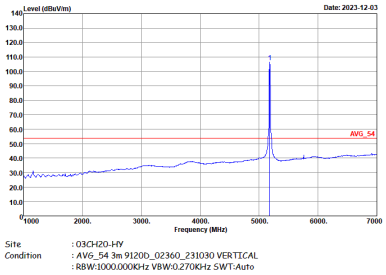
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

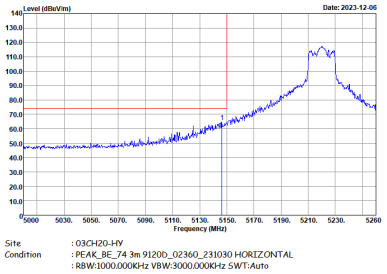
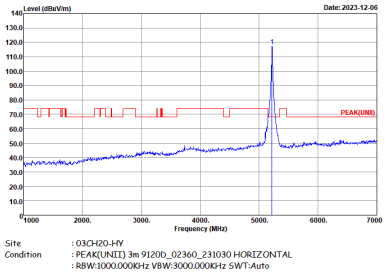
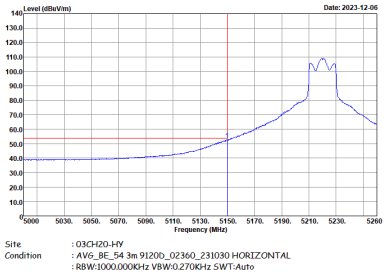
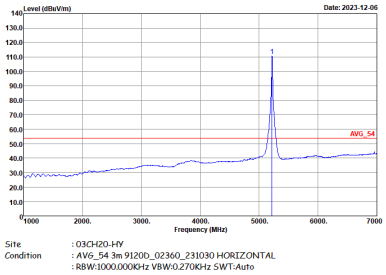
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

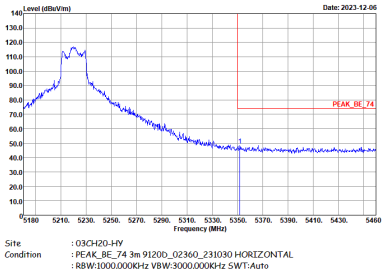
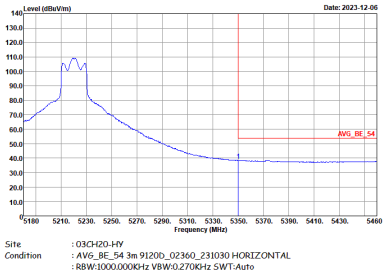
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

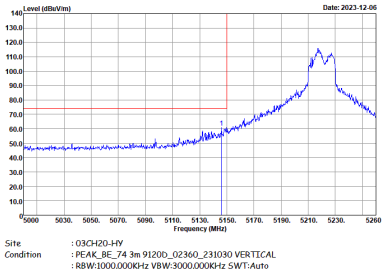
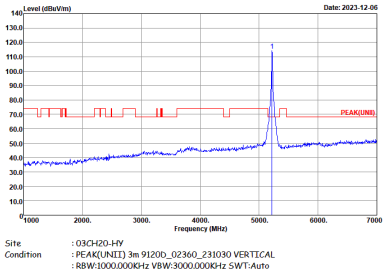
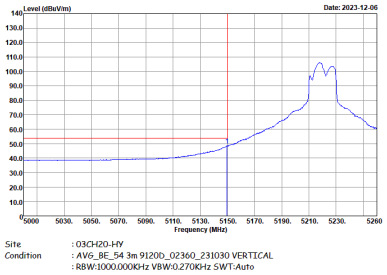
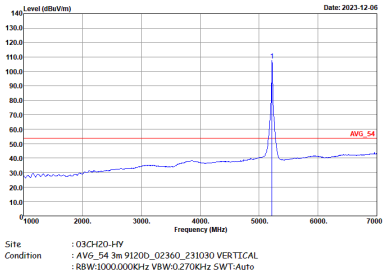
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

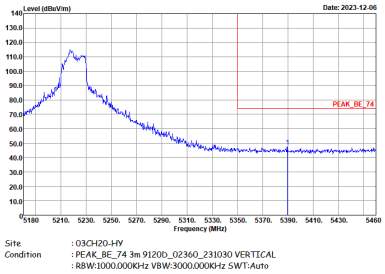
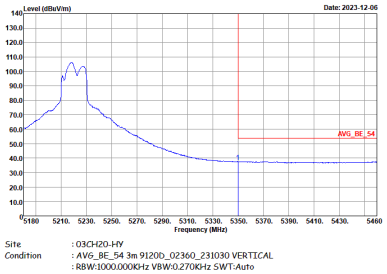
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

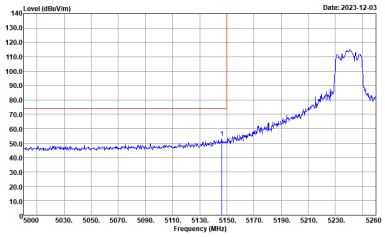
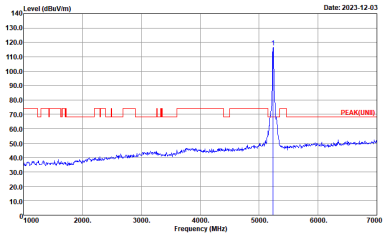
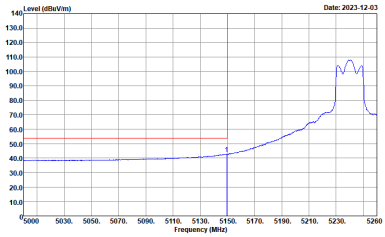
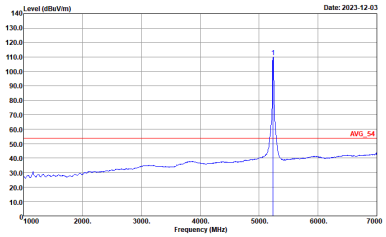
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

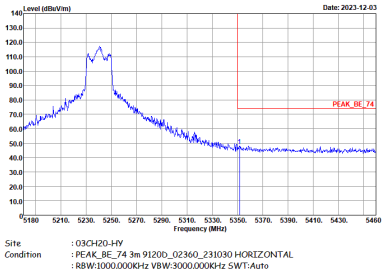
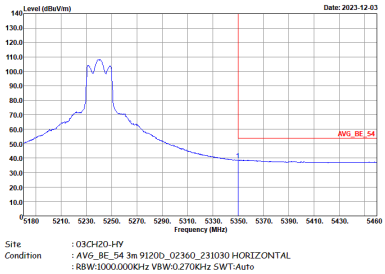
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

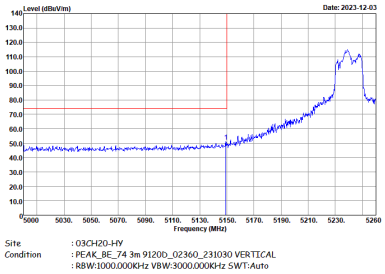
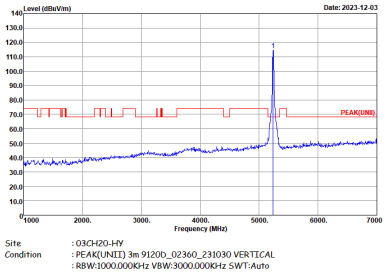
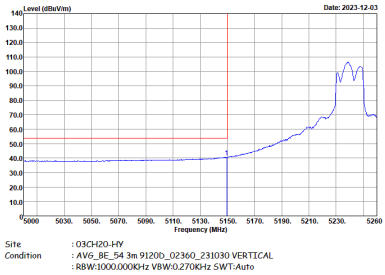
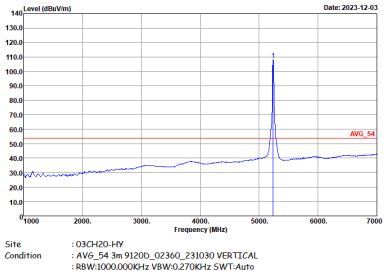
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

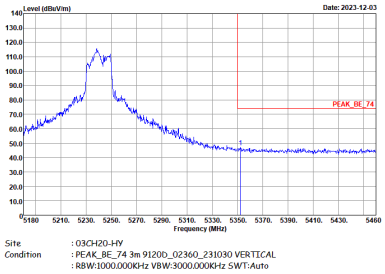
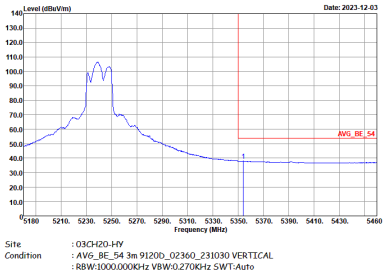
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

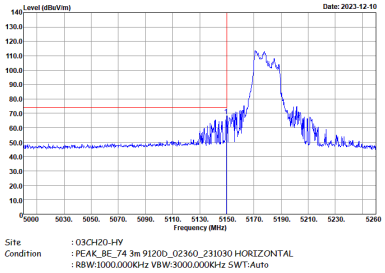
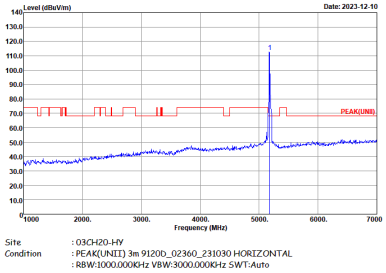
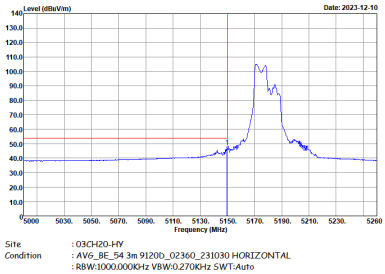
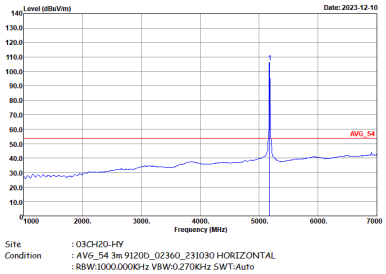
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

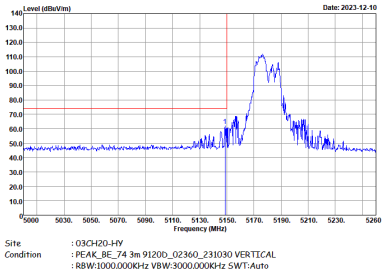
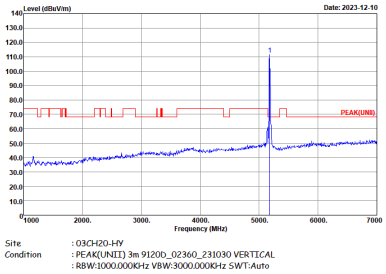
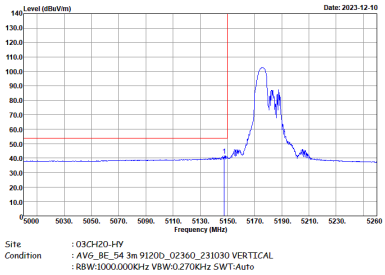
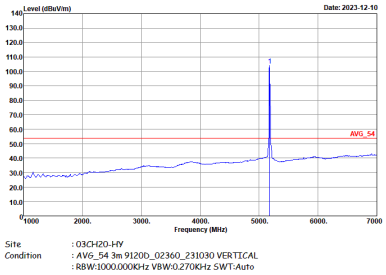
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

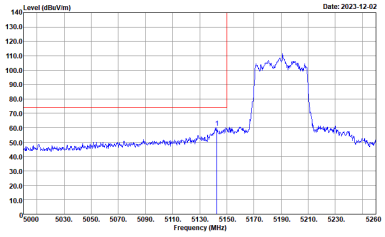
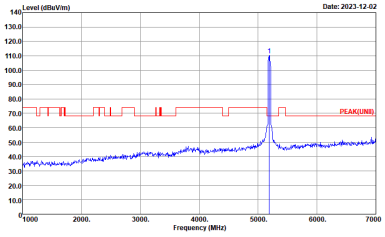
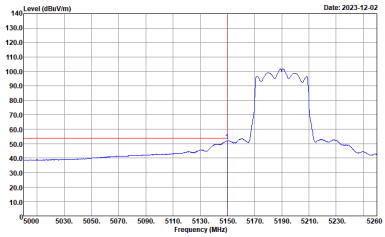
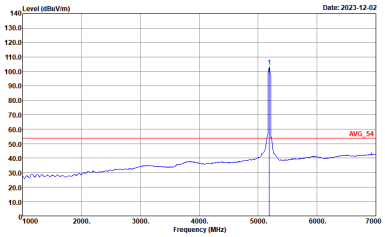
Band 1 5150~5250MHz

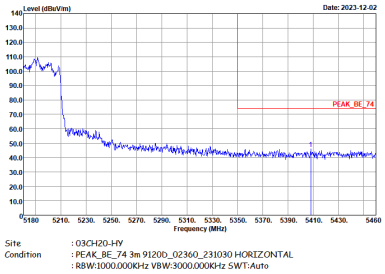
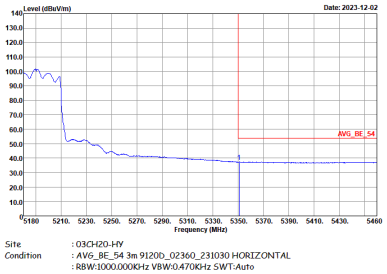
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

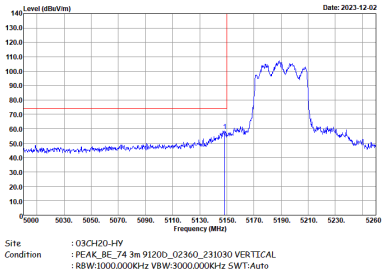
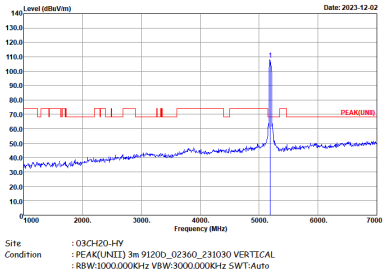
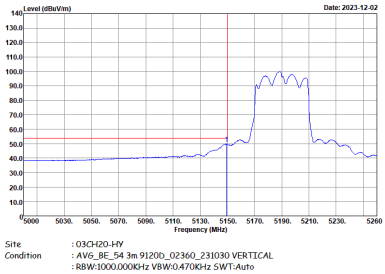
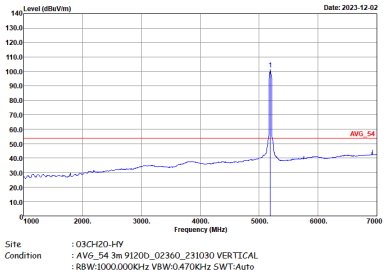
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak		
Avg.		

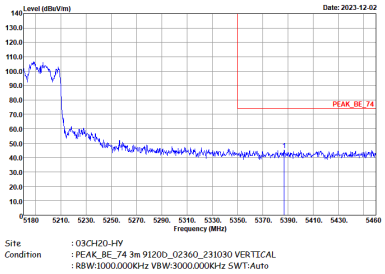
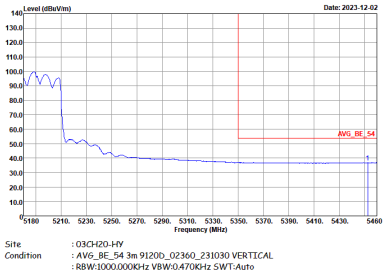
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
6+7	Vertical	Fundamental
Peak		
Avg.		

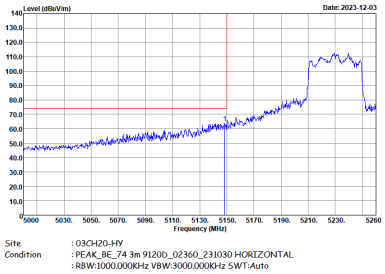
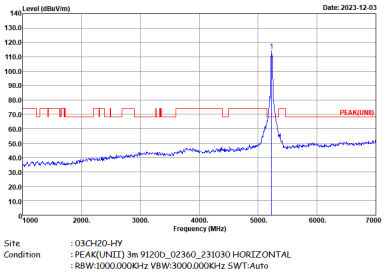
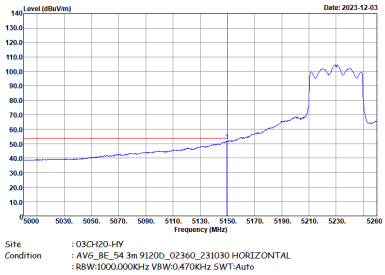
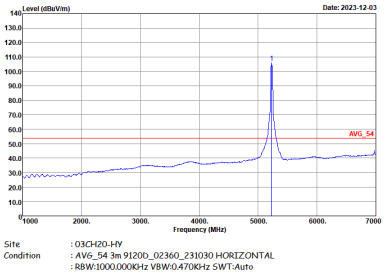
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

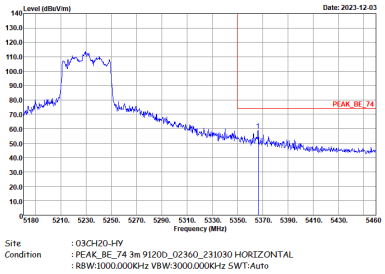
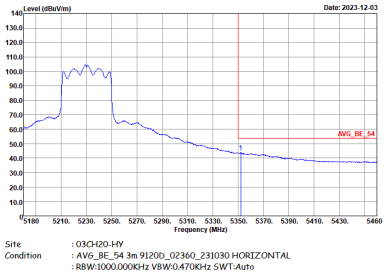
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto

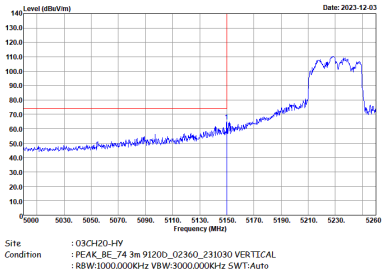
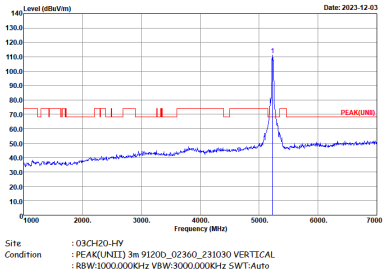
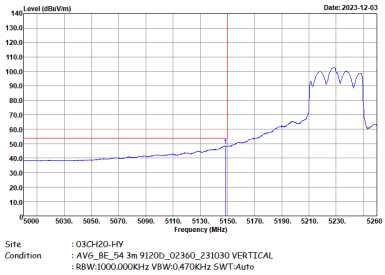
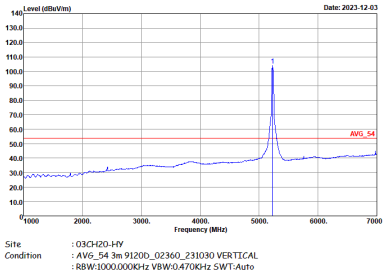
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

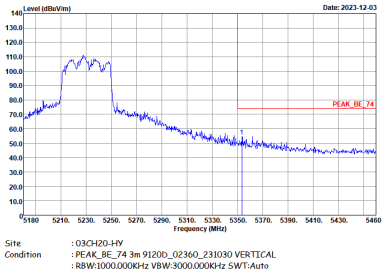
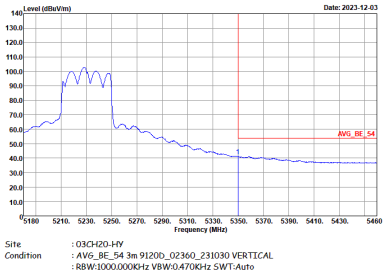
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.470KHz SWT:Auto

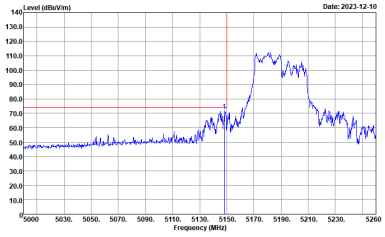
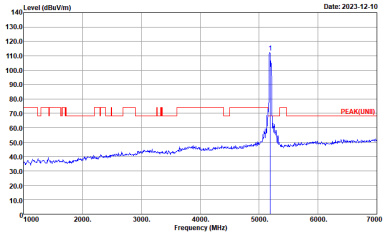
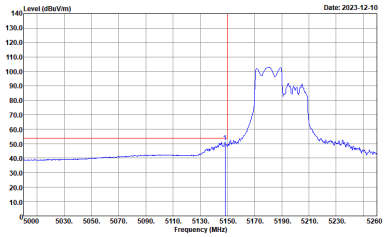
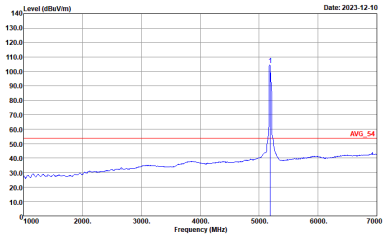
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

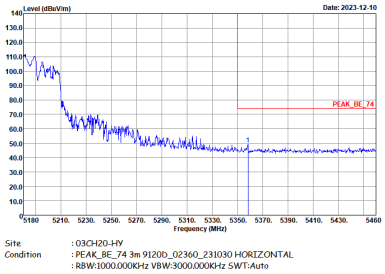
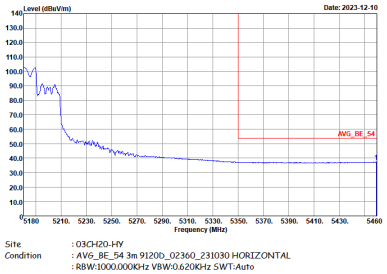
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

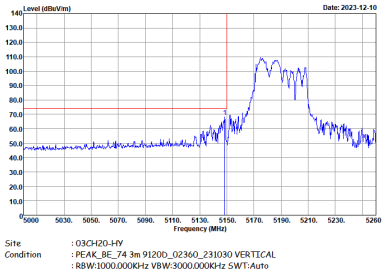
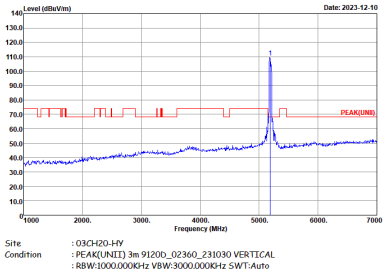
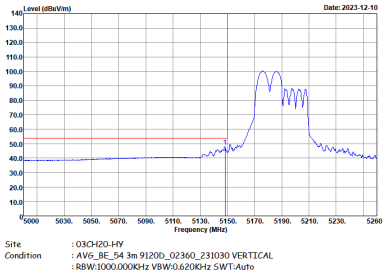
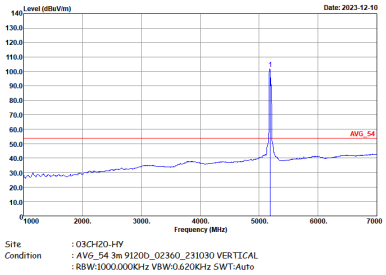
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

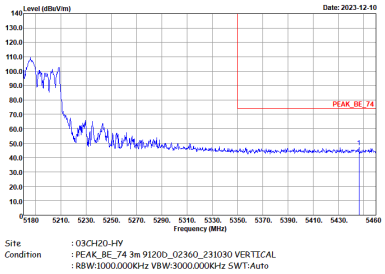
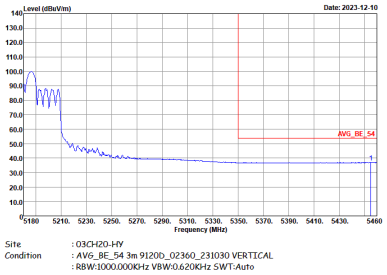
Band 1 5150~5250MHz

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

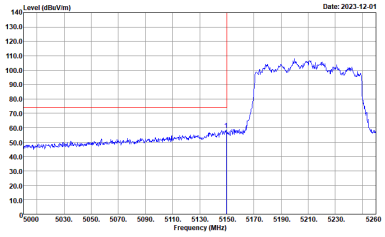
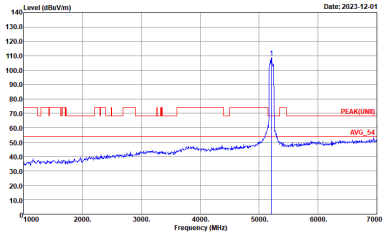
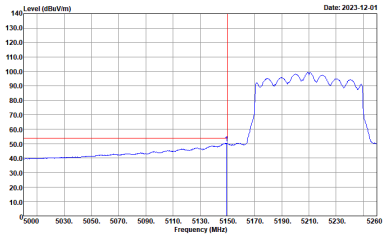
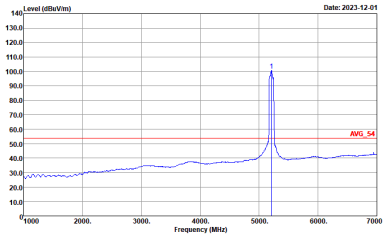
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

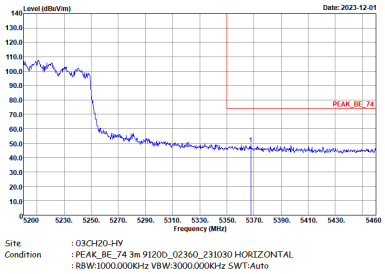
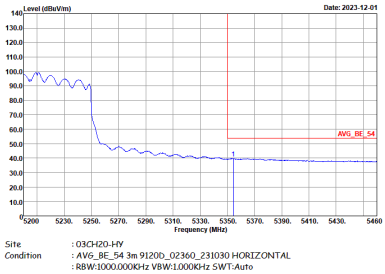
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

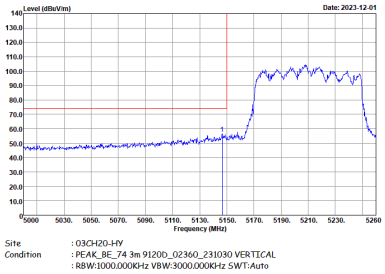
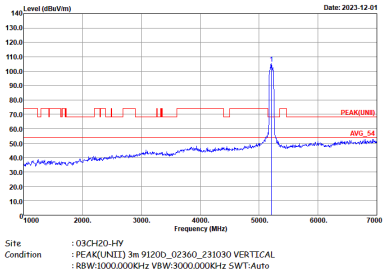
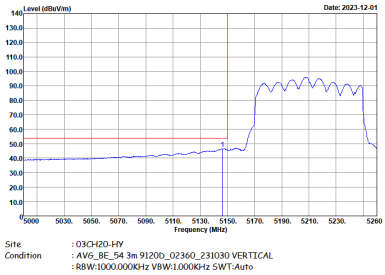
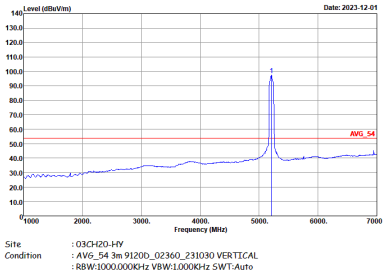
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

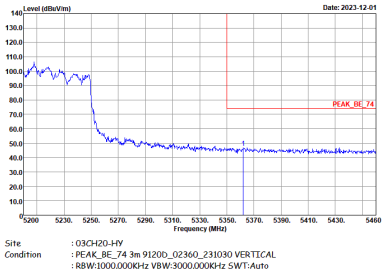
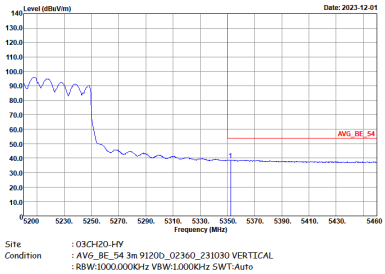
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

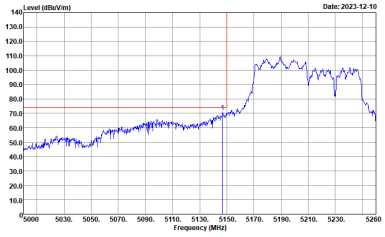
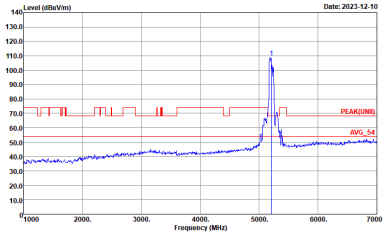
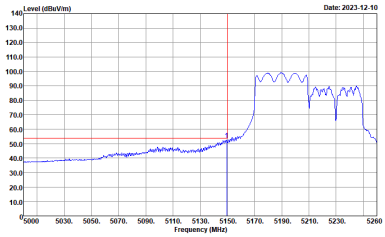
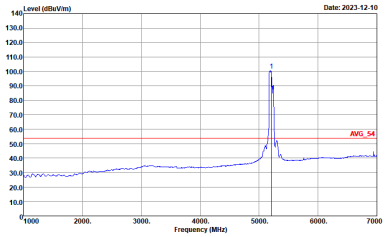
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

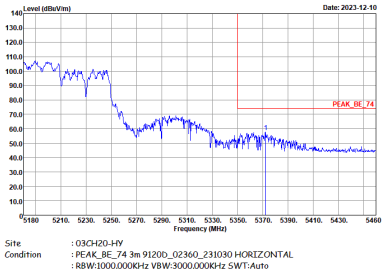
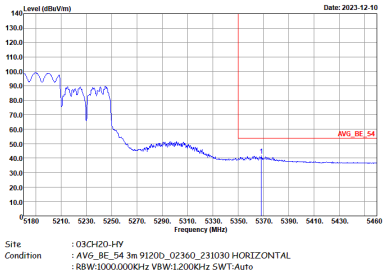
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

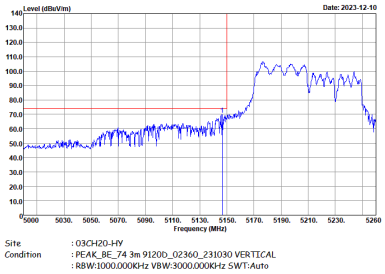
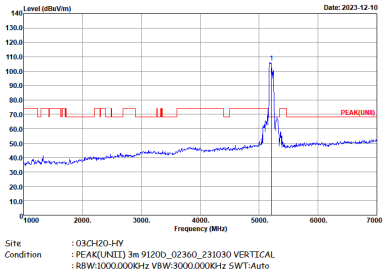
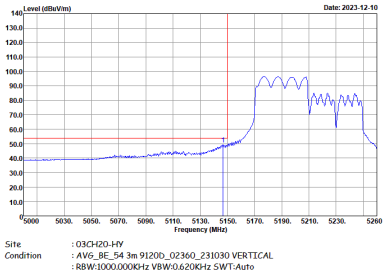
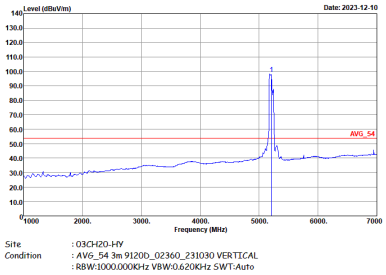
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

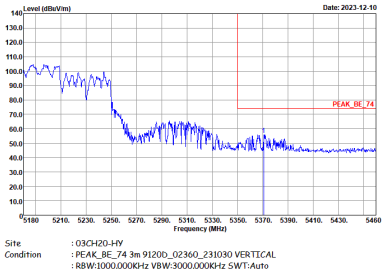
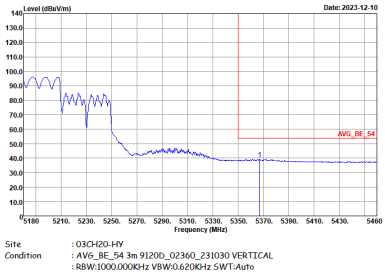
Band 1 5150~5250MHz

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

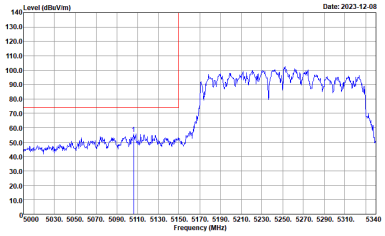
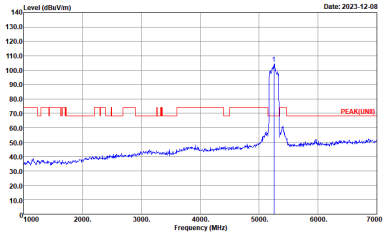
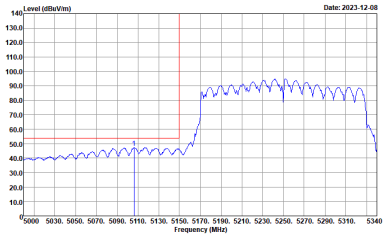
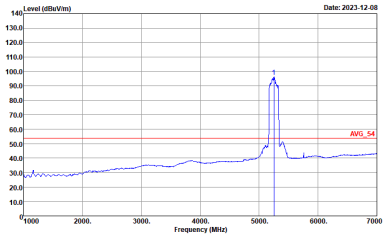
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
6+7	Horizontal	Fundamental
Peak		
Avg.		

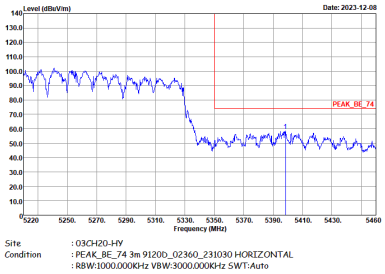
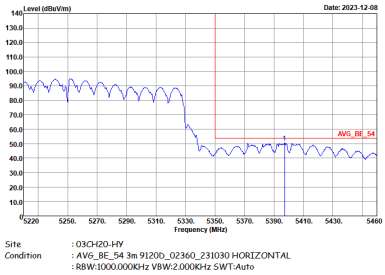
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

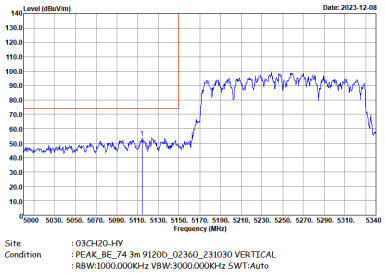
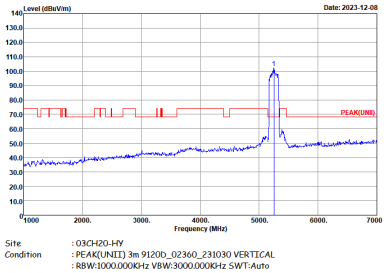
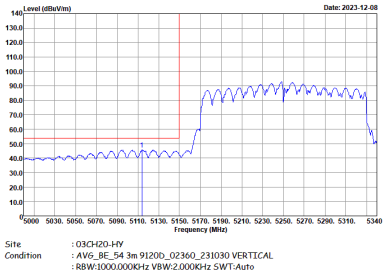
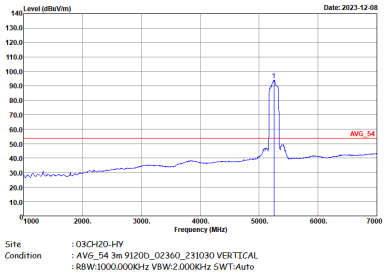
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

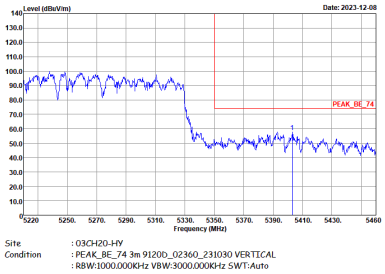
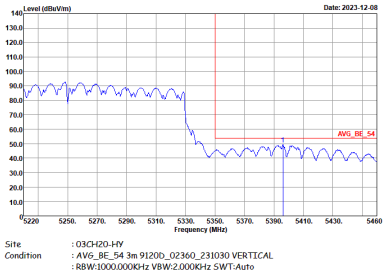
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto

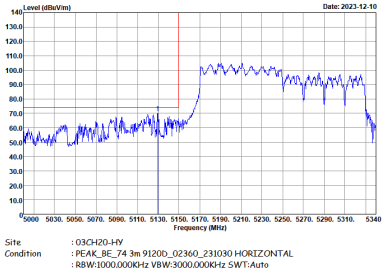
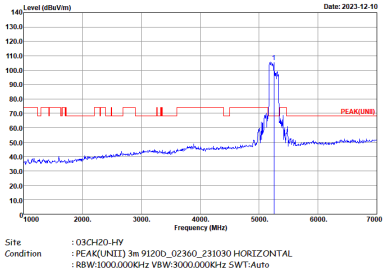
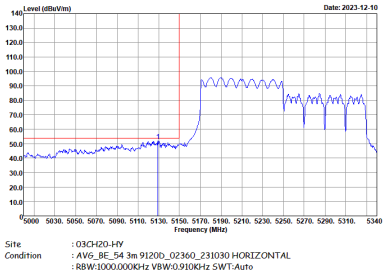
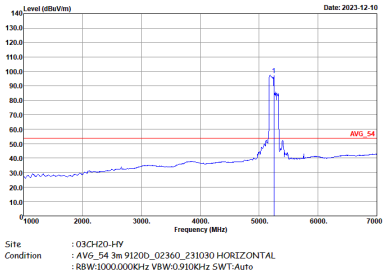
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

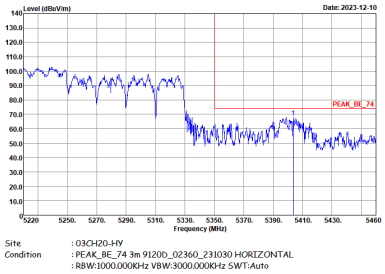
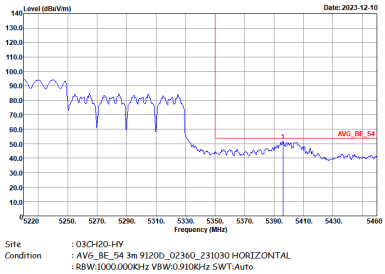
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

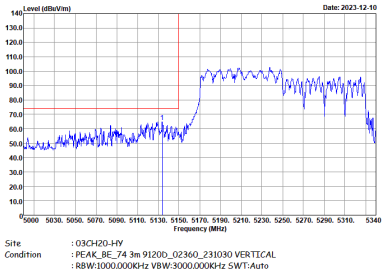
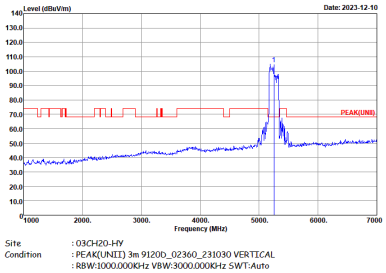
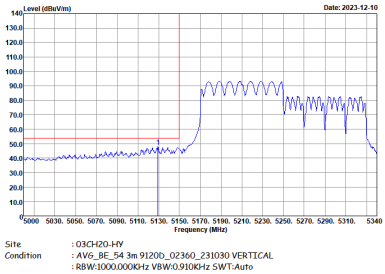
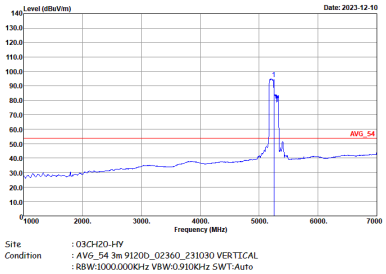
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

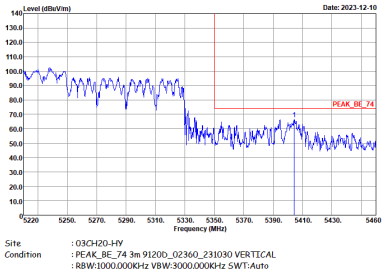
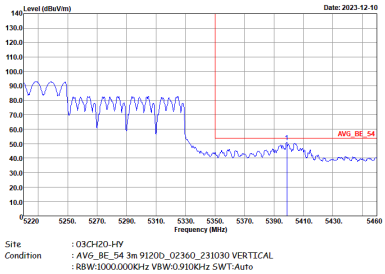
Band 1 5150~5250MHz

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	
6+7	Horizontal	Fundamental
Peak		
Avg.		

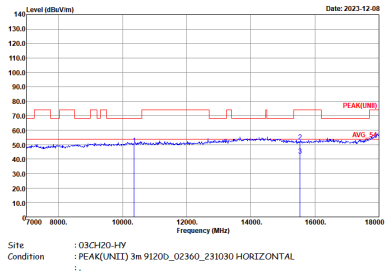
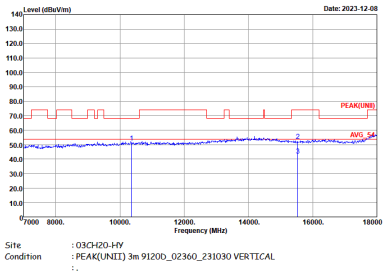
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
6+7	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

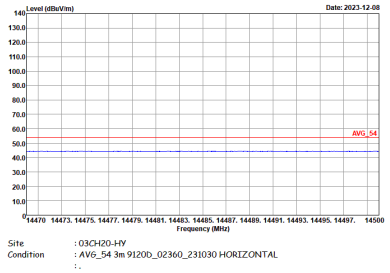
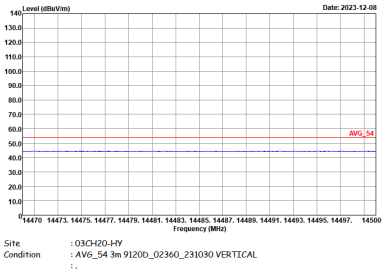
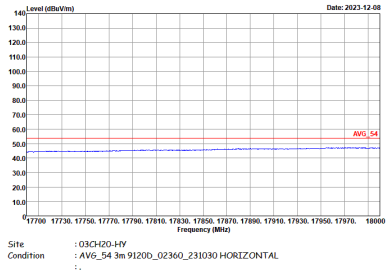
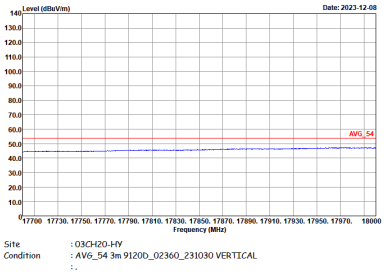
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
6+7	Vertical	Fundamental
Peak		
Avg.		

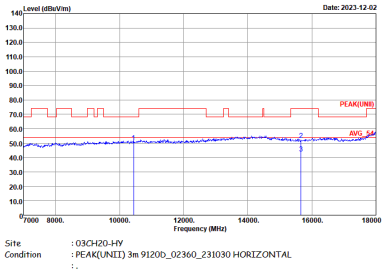
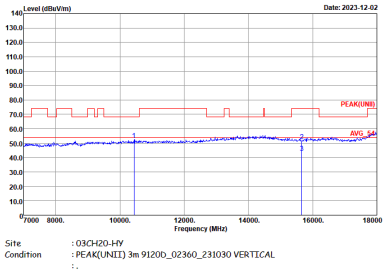
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
6+7	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

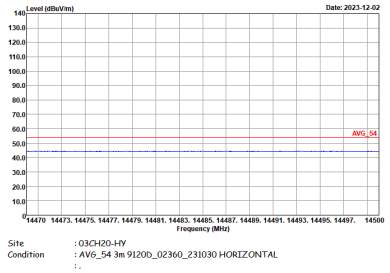
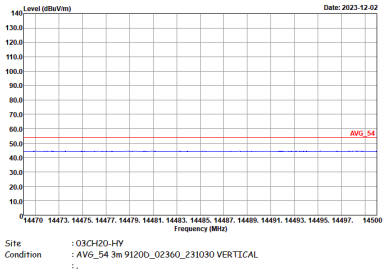
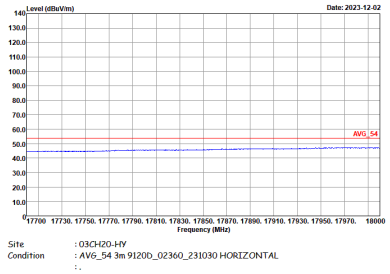
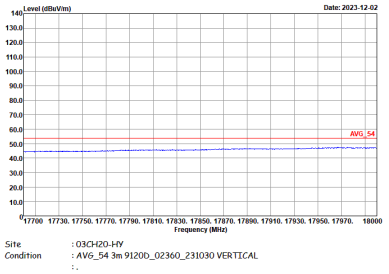
Band 1 - 5150~5250MHz

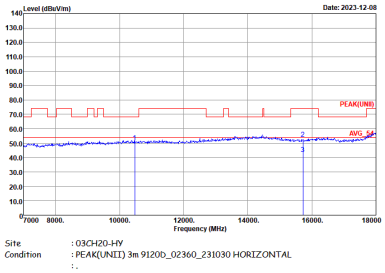
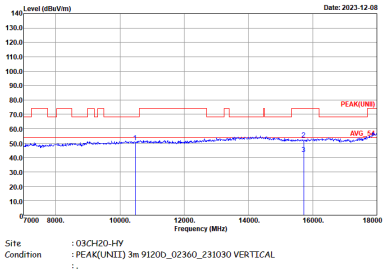
WIFI 802.11a (Harmonic @ 3m)

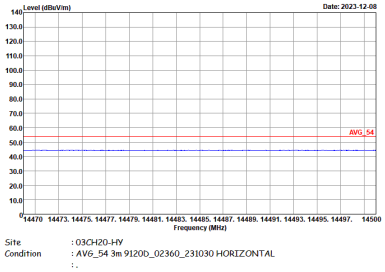
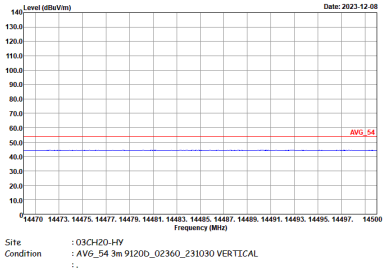
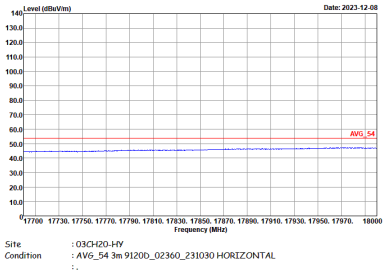
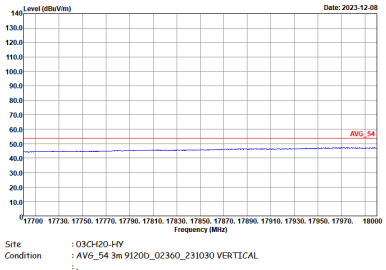
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
6+7	Horizontal	Vertical
Peak Avg.		

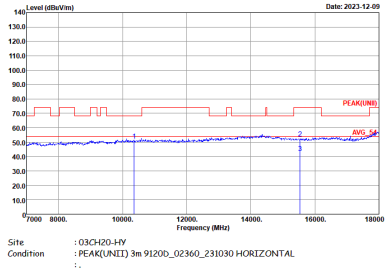
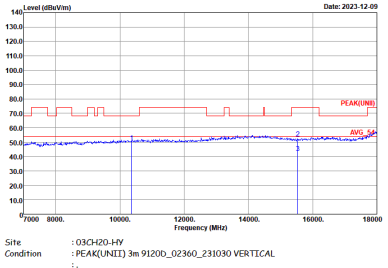
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

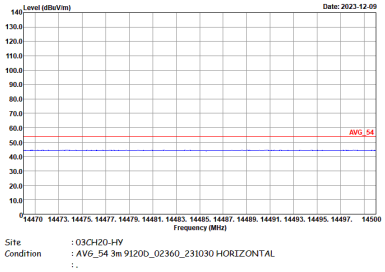
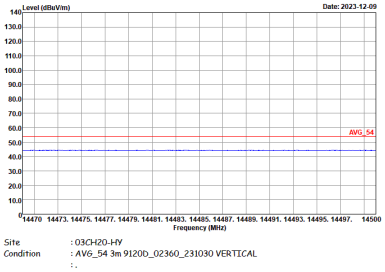
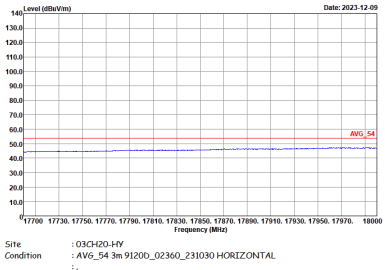
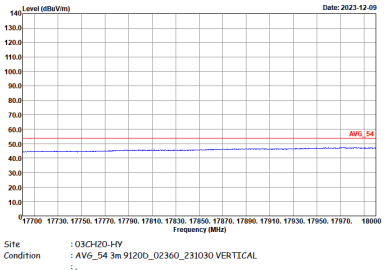
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
6+7	Horizontal	Vertical
Peak Avg.		

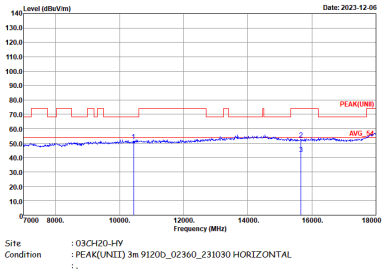
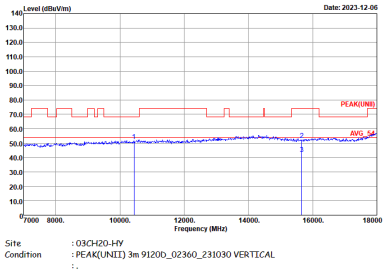
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

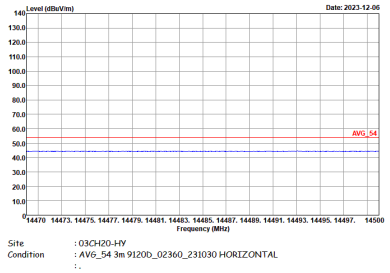
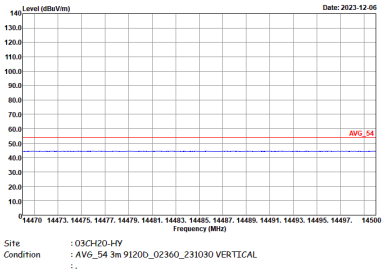
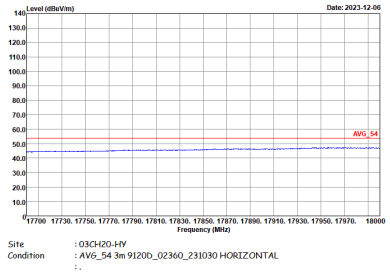
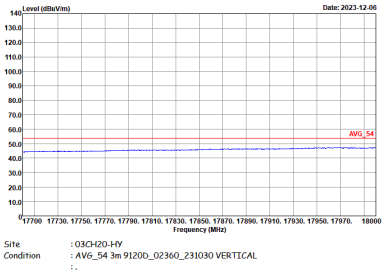
Band 1 5150~5250MHz

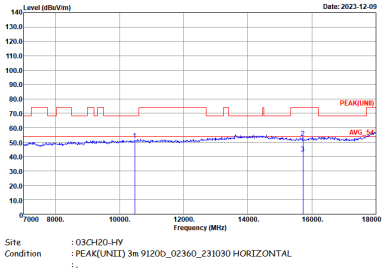
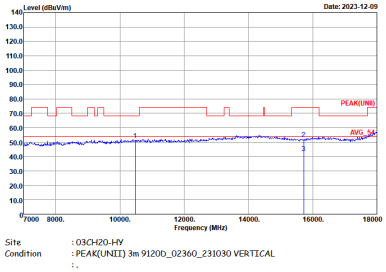
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

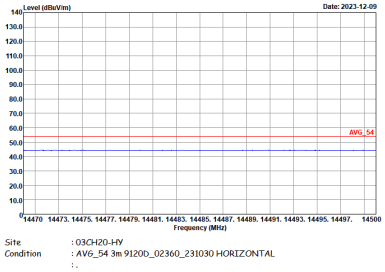
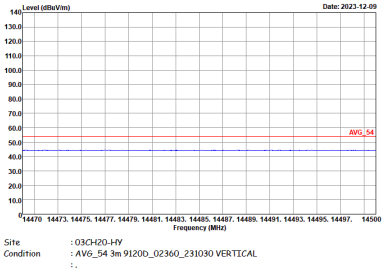
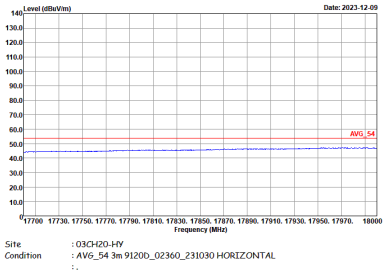
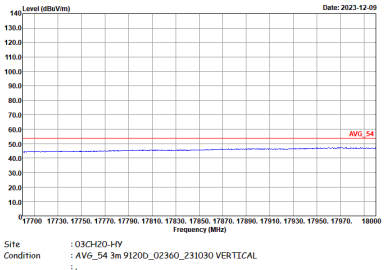
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

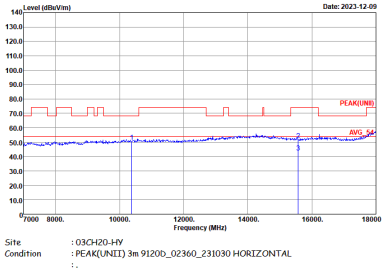
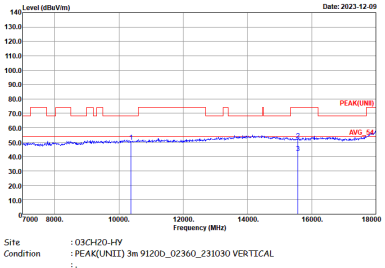
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : .	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 VERTICAL : .

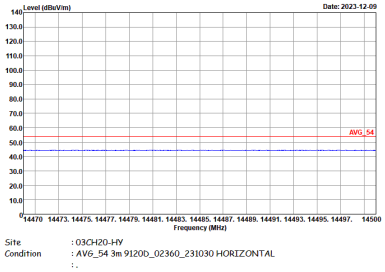
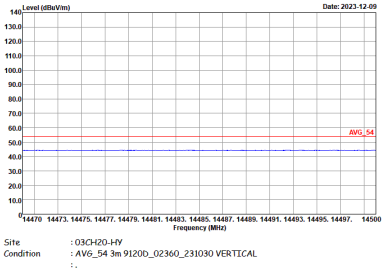
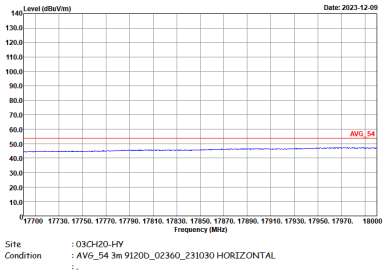
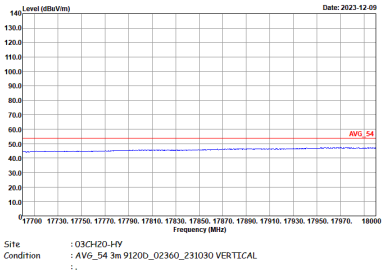
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

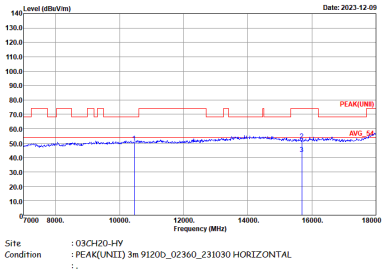
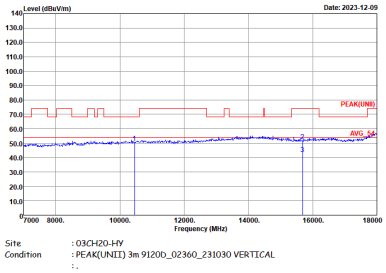
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 HORIZONTAL : .	 Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_02360_231030 VERTICAL : .

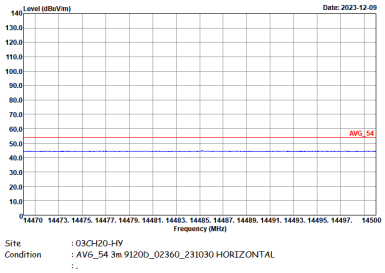
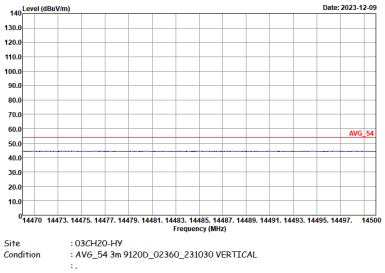
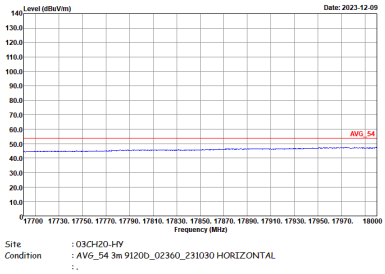
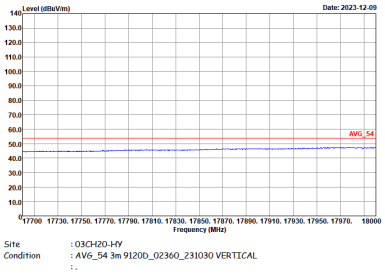
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

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	
6+7	Horizontal	Vertical
Peak Avg.		

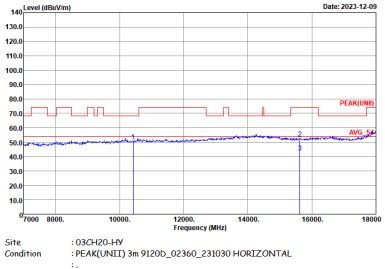
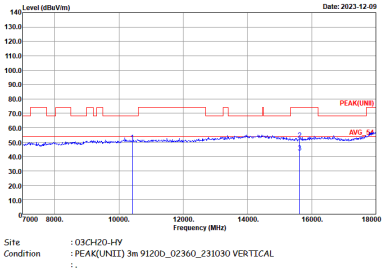
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

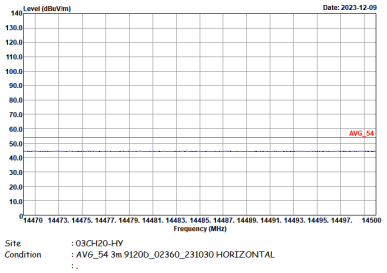
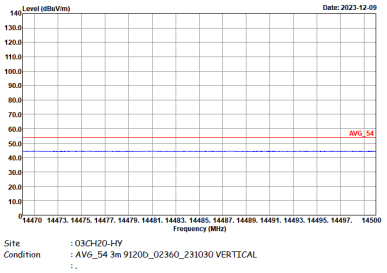
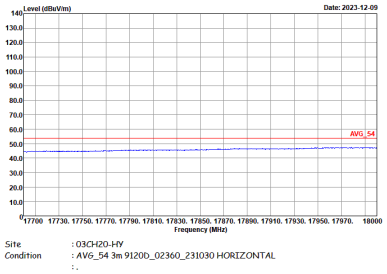
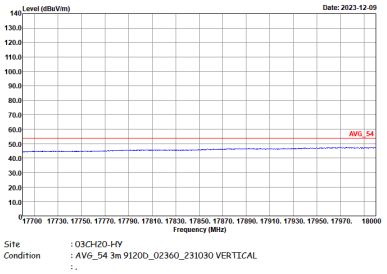
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 1 5150~5250MHz

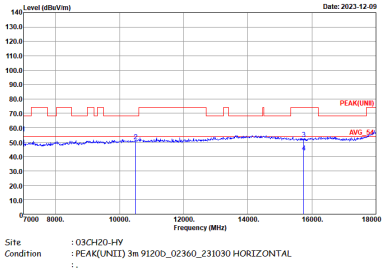
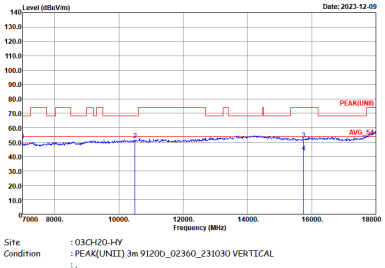
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

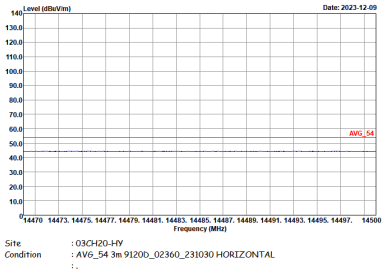
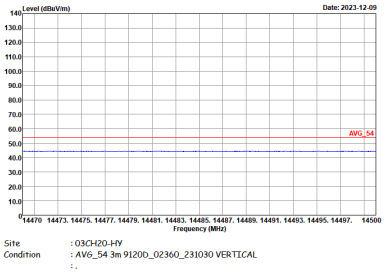
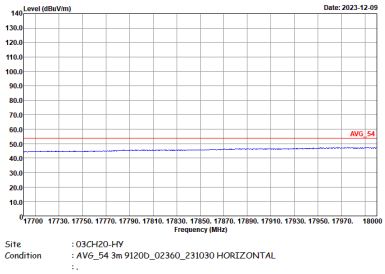
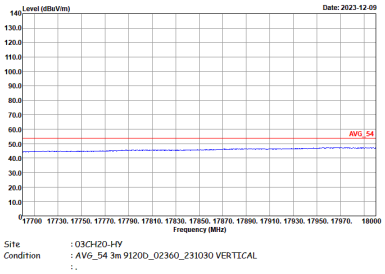
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
6+7	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
6+7	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 VERTICAL
17.7G ~18G Avg	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 HORIZONTAL	 Site : 03CH20-HY Condition : AVG_54 3m 9120D_02360_231030 VERTICAL