FCC RADIO TEST REPORT

FCC ID	:	**UZ7KC50E22**
Equipment	:	**KC50E22 Kiosk Computer**
Brand Name	:	**Zebra**
Model Name	:	**KC50E22**
Applicant	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
Manufacturer	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on May 14, 2024 and testing was performed from May 14, 2024 to Aug. 04, 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

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History of this test report

Report No.	Version	Description	Issue Date
FR470121D	01	Initial issue of report	Aug. 27, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
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	1.39 dB under the limit at 5458.85 MHz
3.5	15.207	AC Conducted Emission	Pass	8.19 dB under the limit at 13.15 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. ECR inquiry for data referencing from UZ7KC50A22 has been approved by FCC. The ECR inquiry and the associated document are submitted in the confidential exhibit.
2. UZ7KC50E22 is different from FCC ID: UZ7KC50A22 (Reference model), in the following:
   - The only difference between UZ7KC50E22 and UZ7KC50A22 are the main board schematics, key components of BOM and NFC software and hardware.
3. All the test results are referenced from UZ7KC50A22 (Sporton Test Report FR450112E), and spot check results to justify data referencing is presented in the Appendix G.
4. 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.
5. 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: Yun Huang

Report Producer: Mila Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	KC50E22 Kiosk Computer
Brand Name	Zebra
Model Name	KC50E22
FCC ID	UZ7KC50E22
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

1.2 EUT Information (Referenced Model)

Product Feature	
FCC ID	UZ7KC50A22
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	REV:PT
SW Version	13-30-02.00-TG-U00-STD-ATH-04
OS Version	Android 13
MFD	10MAY24
EUT Stage	Identical Prototype

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

Specification of Accessories				
AC Adapter	**Brand Name**	ZEBRA	**Model Name**	PS000088A01
USB C-C Cable	**Brand Name**	ZEBRA	**Part Number**	CBL-EC5X-USBC3A-01
Stand	**Brand Name**	ZEBRA	**Part Number**	3PTY-SC-2000-CF2-01
Printer	**Brand Name**	ZEBRA	**Model Name**	ZD230t
2nd display	**Brand Name**	ZEBRA	**Model Name**	TD50-15F00
Edge scanner	**Brand Name**	ZEBRA	**Part Number**	ZFLX-SCNR-E00
Edge LED Light Bar	**Brand Name**	ZEBRA	**Part Number**	ZFLX-LTBAR-200
USB Cable	**Brand Name**	ZEBRA	**Part Number**	300283-002

1.3 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. 1+2>** 802.11a: 21.74 dBm / 0.1493 W 802.11n HT20: 22.03 dBm / 0.1596 W 802.11n HT40: 22.13 dBm / 0.1633 W 802.11ac VHT20: 22.13 dBm / 0.1633 W 802.11ac VHT40: 22.23 dBm / 0.1671 W 802.11ac VHT80: 16.23 dBm / 0.0420 W 802.11ac VHT160: 15.87 dBm / 0.0386 W 802.11ax HE20: 22.23 dBm / 0.1671 W 802.11ax HE40: 22.33 dBm / 0.1710 W 802.11ax HE80: 16.33 dBm / 0.0430 W 802.11ax HE160: 15.97 dBm / 0.0395 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11a: 22.18 dBm / 0.1652 W 802.11n HT20: 22.48 dBm / 0.1770 W 802.11n HT40: 22.94 dBm / 0.1968 W 802.11ac VHT20: 22.58 dBm / 0.1811 W 802.11ac VHT40: 23.04 dBm / 0.2014 W 802.11ac VHT80: 18.48 dBm / 0.0705 W 802.11ax HE20: 22.68 dBm / 0.1854 W 802.11ax HE40: 23.14 dBm / 0.2061 W 802.11ax HE80: 18.58 dBm / 0.0721 W 802.11ax HE160: 12.93 dBm / 0.0196 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11a: 22.07 dBm / 0.1611 W 802.11n HT20: 22.72 dBm / 0.1871 W 802.11n HT40: 23.56 dBm / 0.2270 W 802.11ac VHT20: 22.82 dBm / 0.1914 W 802.11ac VHT40: 23.66 dBm / 0.2323 W 802.11ac VHT80: 22.34 dBm / 0.1714 W 802.11ac VHT160: 16.81 dBm / 0.0480 W 802.11ax HE20: 22.92 dBm / 0.1959 W 802.11ax HE40: 23.76 dBm / 0.2377 W 802.11ax HE80: 22.44 dBm / 0.1754 W 802.11ax HE160: 16.91 dBm / 0.0491 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	**MIMO <Ant. 1>** 802.11a: 16.68 MHz 802.11ac VHT20: 17.88 MHz 802.11ac VHT40: 38.06 MHz 802.11ac VHT80: 75.52 MHz 802.11ac VHT160: 155.12 MHz 802.11ax HE20: 19.18 MHz 802.11ax HE40: 38.76 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.56 MHz **MIMO <Ant. 2>** 802.11a: 16.53 MHz 802.11ac VHT20: 17.68 MHz 802.11ac VHT40: 36.76 MHz 802.11ac VHT80: 75.52 MHz 802.11ac VHT160: 154.89 MHz 802.11ax HE20: 19.13 MHz 802.11ax HE40: 38.36 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.56 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Coupling Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Coupling Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Coupling Antenna
Antenna Gain	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>:** 3.75 dBi **<Ant. 2>:** 3.69 dBi **<5260 MHz ~ 5320 MHz>** **<Ant. 1>:** 3.46 dBi **<Ant. 2>:** 3.17 dBi **<5500 MHz ~ 5720 MHz>** **<Ant. 1>:** 3.74 dBi **<Ant. 2>:** 2.83 dBi

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

Remark:

1. MIMO Ant. 1+2 Directional Gain is a calculated result from MIMO Ant. 1 and MIMO Ant. 2. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 1 + Ant. 2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.
3. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.3.1 Antenna Directional Gain

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the 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 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.75	3.69	3.75	6.73	0.00	0.73
Band II	3.46	3.17	3.46	6.33	0.00	0.33
Band III	3.74	2.83	3.74	6.31	0.00	0.31

Calculation example:

If a device has two antenna, G_{ANT1}= 3.75dBi; G_{ANT2}=3.69dBi

Directional gain of power measurement = max(3.75, 3.69) + 0 = 3.75 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.75 dBi / 20) + 10^ (3.69 dBi / 20)] ^ 2 } / 2 }

= 6.73 dBi

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

1.4 Modification of EUT

No modifications made to the EUT during the testing.

1.5 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, 03CH22-HY

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

FCC designation No.: TW3786

1.6 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. 2022.

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

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

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

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

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Scan Bar Code + USB C-C Cable Display with 2nd display + USB Cable with Printer + AC Adapter + LAN Link with Notebook + Edge USB-C with (Edge scanner + (Data Link with USB Flash Drive (USB to SD Card)) + Edge LED Light Bar + Mouse) + Stand
Remark: Data Link with USB Flash Drive means data application transferred mode between EUT and USB Flash Drive.	

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

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

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

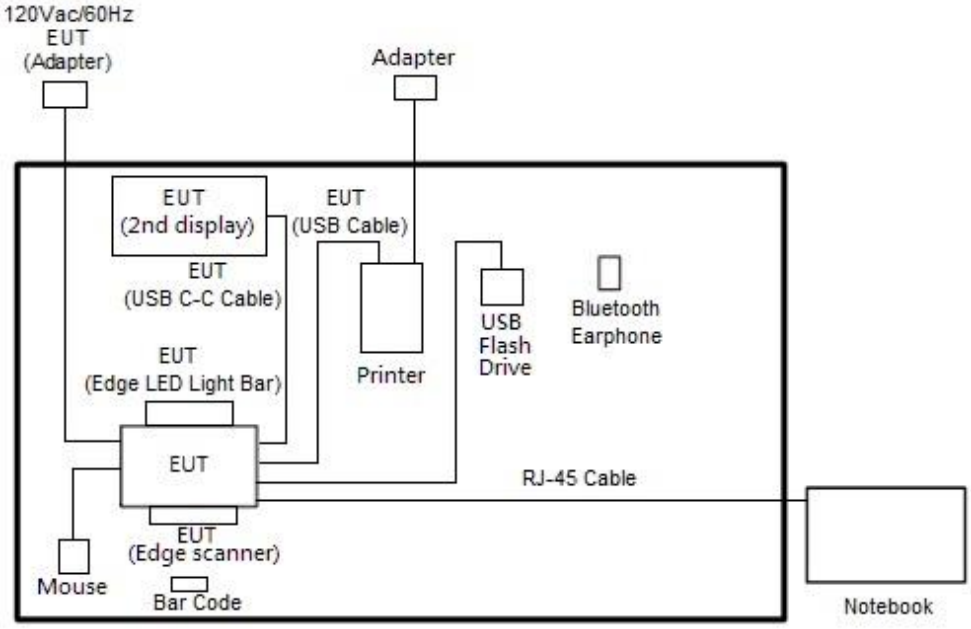
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

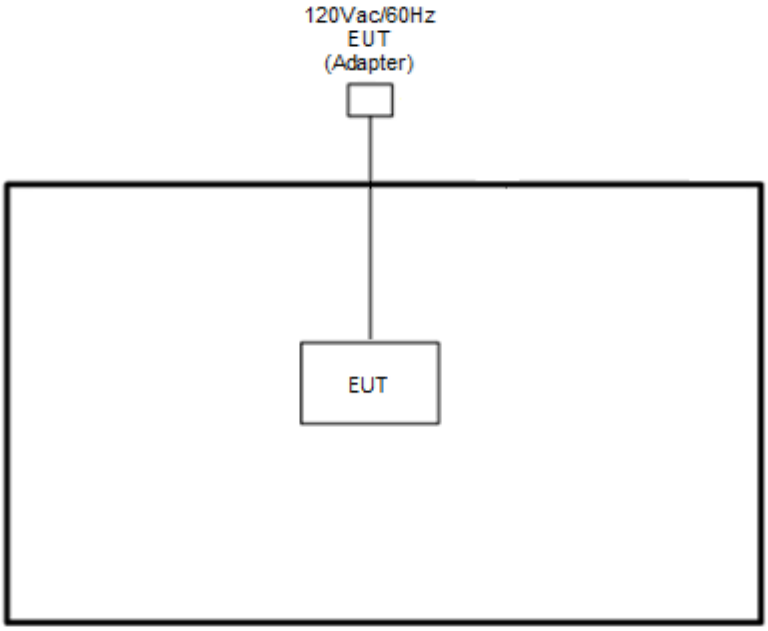
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded,1.8m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Mouse	ACER	MOANUOA	FCC DoC	Shielded, 1.7m	N/A
5.	Bar Code	N/A	N/A	N/A	N/A	N/A
6.	USB Flash Drive	SanDisk	E4BDC	FCC DoC	N/A	N/A
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.211.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

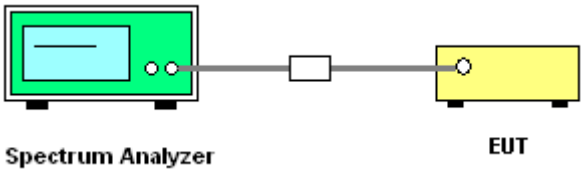
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

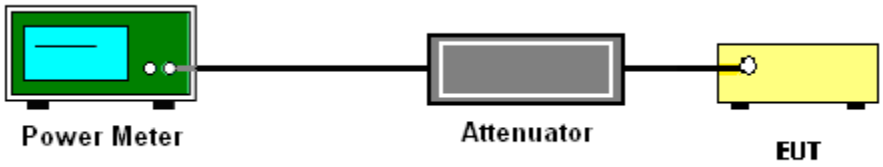
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

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

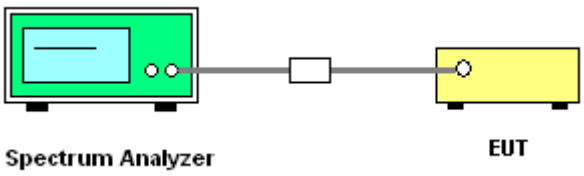
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

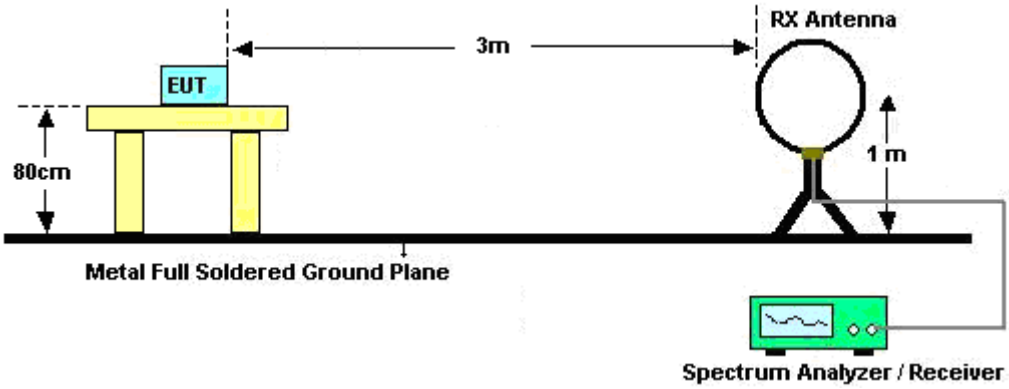
   (2) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

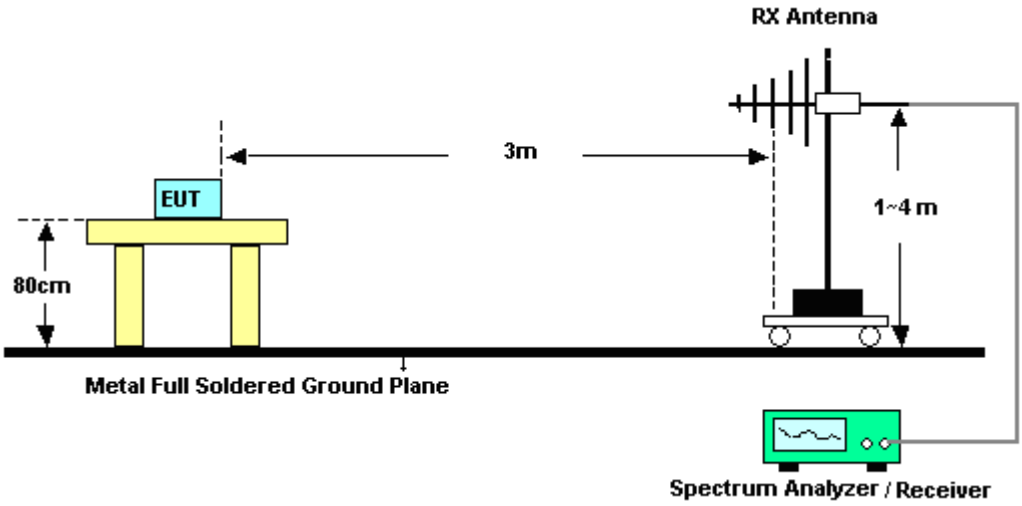
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

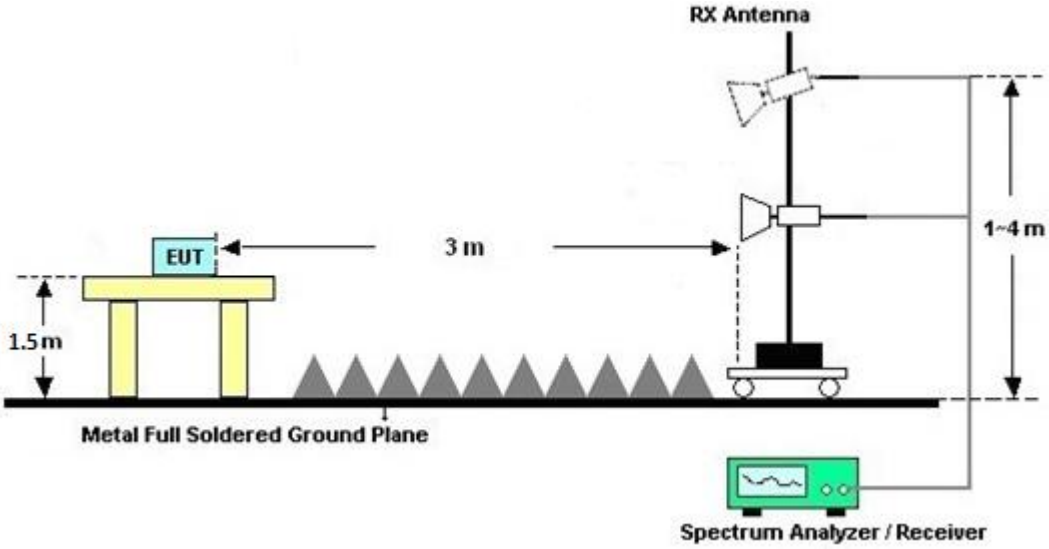
For radiated emissions below 30MHz



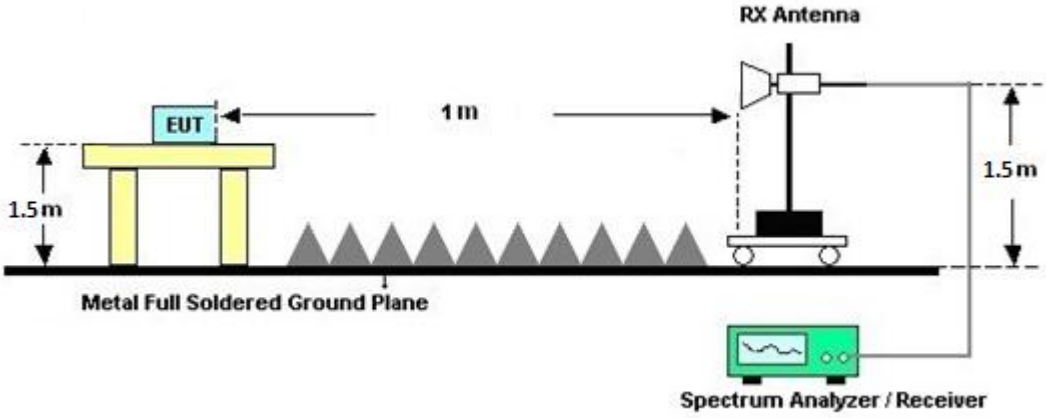
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

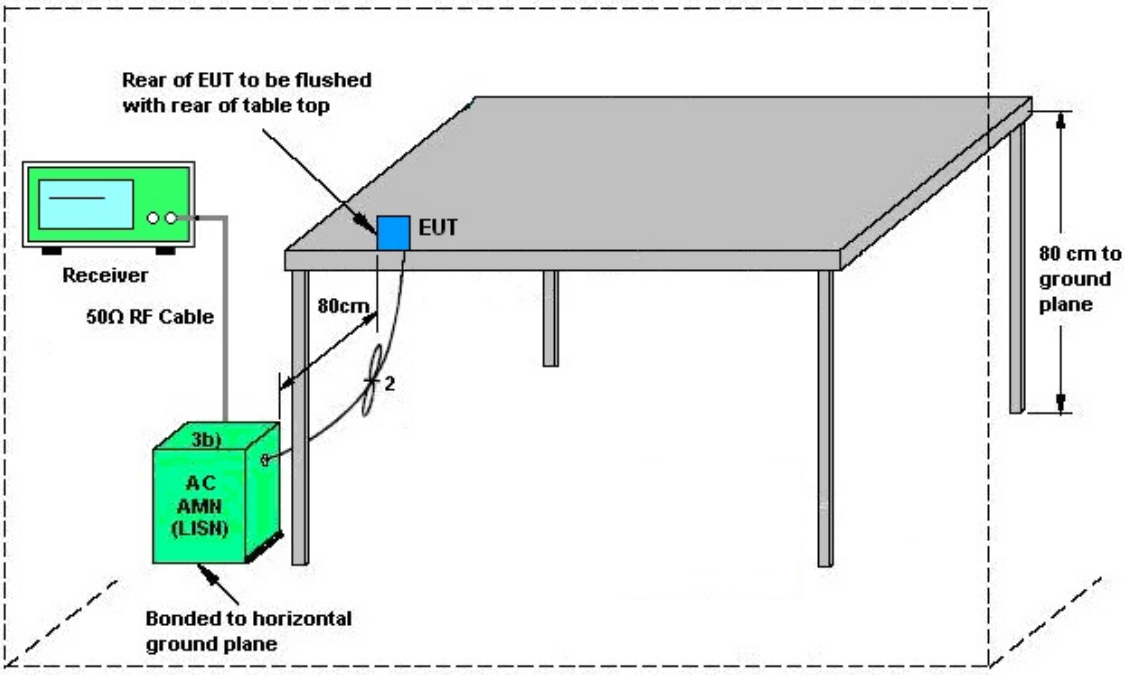
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	May 14, 2024~ Jul. 17, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Jan. 10, 2024	May 14, 2024~ Jul. 17, 2024	Jan. 09, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300485 (BOX4)	N/A	Apr. 08, 2024	May 14, 2024~ Jul. 17, 2024	Apr. 07, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	May 14, 2024~ Jul. 17, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24041 1	N/A	Conducted Other Test Item	N/A	May 14, 2024~ Jul. 17, 2024	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jun. 26, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 26, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jun. 26, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Jun. 26, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Jun. 26, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Jun. 26, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Jun. 26, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Sep. 12, 2023	May 14, 2024~ Jul. 10, 2024	Sep. 11, 2024	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Oct. 15, 2023	May 14, 2024~ Jul. 10, 2024	Oct. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	May 14, 2024~ Jul. 10, 2024	Jul. 14, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18E N	1GHz~18GHz	Jul. 12, 2023	May 14, 2024~ Jul. 10, 2024	Jul. 11, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz-40GHz	Jul. 10, 2023	May 14, 2024~ Jun. 17, 2024	Jul. 09, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz-40GHz	May 18, 2024	Jun. 17, 2024~ Jun. 25, 2024	May 17, 2025	Radiation (03CH22-HY
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz-40GHz	Jun. 24, 2024	Jun. 25, 2024~ Jul. 10, 2024	Jun. 23, 2025	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	May 14, 2024~ Jul. 10, 2024	Sep. 27, 2024	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18-40GHz	Sep. 06, 2023	May 14, 2024~ Jul. 10, 2024	Sep. 05, 2024	Radiation (03CH22-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Aug. 31, 2023	May 14, 2024~ Jul. 10, 2024	Aug. 30, 2024	Radiation (03CH22-HY)
EMI Test Receiver	Keysight	N9038B	MY62210111	20Hz~8.4GHz	Aug. 23, 2023	May 14, 2024~ Jul. 10, 2024	Aug. 22, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Jan. 03, 2024	May 14, 2024~ Jul. 10, 2024	Jan. 02, 2025	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	May 14, 2024~ Jul. 10, 2024	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 14, 2024~ Jul. 10, 2024	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 14, 2024~ Jul. 10, 2024	N/A	Radiation (03CH22-HY)
Software	Audix	E3 6.09824_2019 122	RK-002347	N/A	N/A	May 14, 2024~ Jul. 10, 2024	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	May 14, 2024~ Jul. 10, 2024	Mar. 05, 2025	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,804 611/2,804615/ 2	N/A	Oct. 24, 2023	May 14, 2024~ Jul. 10, 2024	Oct. 23, 2024	Radiation (03CH22-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))	6.5 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))	4.5 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:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/5/14~2024/07/17	Relative Humidity:	51~54	%

Report Number : FR470121D

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.43	16.38	19.52	19.58	-		22.14		-	
11a	6Mbps	2	44	5220	16.53	16.53	21.51	23.14	-		22.18			
11a	6Mbps	2	48	5240	16.48	16.48	21.39	21.47	-		22.17			
VHT20	MCS0	2	36	5180	17.58	17.58	20.68	20.61	-		22.45			
VHT20	MCS0	2	44	5220	17.68	17.68	21.87	23.25	-		22.48			
VHT20	MCS0	2	48	5240	17.68	17.68	22.89	23.09	-		22.48			
VHT40	MCS0	2	38	5190	36.16	36.26	40.96	40.51	-		23.01			
VHT40	MCS0	2	46	5230	36.56	36.66	56.13	53.86	-		23.01			
VHT80	MCS0	2	42	5210	75.40	75.52	82.05	82.30	-		23.01			
VHT160	MCS0	2	50	5250	154.65	154.65	165.60	165.50	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	17.50	16.80	20.17	24.00		3.75		-	Pass
11a	6Mbps	2	44	5220	19.20	18.20	21.74	24.00		3.75			Pass
11a	6Mbps	2	48	5240	19.00	18.30	21.67	24.00		3.75			Pass
HT20	MCS0	2	36	5180	16.70	16.30	19.51	24.00		3.75			Pass
HT20	MCS0	2	44	5220	19.40	18.60	22.03	24.00		3.75			Pass
HT20	MCS0	2	48	5240	19.30	18.60	21.97	24.00		3.75			Pass
HT40	MCS0	2	38	5190	14.90	14.70	17.81	24.00		3.75			Pass
HT40	MCS0	2	46	5230	19.50	18.70	22.13	24.00		3.75			Pass
VHT20	MCS0	2	36	5180	16.80	16.40	19.61	24.00		3.75			Pass
VHT20	MCS0	2	44	5220	19.50	18.70	22.13	24.00		3.75			Pass
VHT20	MCS0	2	48	5240	19.40	18.70	22.07	24.00		3.75			Pass
VHT40	MCS0	2	38	5190	15.00	14.80	17.91	24.00		3.75			Pass
VHT40	MCS0	2	46	5230	19.60	18.80	22.23	24.00		3.75			Pass
VHT80	MCS0	2	42	5210	13.60	12.80	16.23	24.00		3.75			Pass
VHT160	MCS0	2	50	5250	13.20	12.50	15.87	24.00		3.75			Pass

Report Number : FR470121D

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 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	36	5180	0.03	0.03			8.41	10.27		6.73				Pass
11a	6Mbps	2	44	5220	0.03	0.03			9.83	10.27		6.73				Pass
11a	6Mbps	2	48	5240	0.03	0.03			10.04	10.27		6.73				Pass
VHT20	MCS0	2	36	5180	0.00	0.00			7.44	10.27		6.73				Pass
VHT20	MCS0	2	44	5220	0.00	0.00			9.80	10.27		6.73				Pass
VHT20	MCS0	2	48	5240	0.00	0.00	-		9.99	10.27		6.73		-		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			2.84	10.27		6.73				Pass
VHT40	MCS0	2	46	5230	0.00	0.00			7.11	10.27		6.73				Pass
VHT80	MCS0	2	42	5210	0.00	0.00			-2.46	10.27		6.73				Pass
VHT160	MCS0	2	50	5250	0.03	0.03			-5.26	10.27		6.73				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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.68	16.53	25.46	21.54	23.18		29.18		23.98		
11a	6Mbps	2	60	5300	16.68	16.48	25.52	21.45	23.17		29.17		23.98		
11a	6Mbps	2	64	5320	16.43	16.38	19.42	19.33	23.14		29.14		23.86		
VHT20	MCS0	2	52	5260	17.88	17.68	29.16	24.11	23.48		29.48		23.98		
VHT20	MCS0	2	60	5300	17.88	17.63	27.26	22.40	23.46		29.46		23.98		-
VHT20	MCS0	2	64	5320	17.58	17.58	20.72	20.61	23.45		29.45		23.98		
VHT40	MCS0	2	54	5270	38.06	36.76	80.27	63.38	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.26	36.26	40.69	40.80	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.40	75.52	82.56	82.66	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	19.60	18.70	22.18	23.98		3.46		30	Pass
11a	6Mbps	2	60	5300	19.60	18.70	22.18	23.98		3.46		30	Pass
11a	6Mbps	2	64	5320	17.30	17.30	20.31	23.86		3.46		30	Pass
HT20	MCS0	2	52	5260	19.90	19.00	22.48	23.98		3.46		30	Pass
HT20	MCS0	2	60	5300	19.90	19.00	22.48	23.98		3.46		30	Pass
HT20	MCS0	2	64	5320	16.90	17.00	19.96	23.98		3.46		30	Pass
HT40	MCS0	2	54	5270	20.40	19.40	22.94	23.98		3.46		30	Pass
HT40	MCS0	2	62	5310	15.40	15.20	18.31	23.98		3.46		30	Pass
VHT20	MCS0	2	52	5260	20.00	19.10	22.58	23.98		3.46		30	Pass
VHT20	MCS0	2	60	5300	20.00	19.10	22.58	23.98		3.46		30	Pass
VHT20	MCS0	2	64	5320	17.00	17.10	20.06	23.98		3.46		30	Pass
VHT40	MCS0	2	54	5270	20.50	19.50	23.04	23.98		3.46		30	Pass
VHT40	MCS0	2	62	5310	15.50	15.30	18.41	23.98		3.46		30	Pass
VHT80	MCS0	2	58	5290	15.90	15.00	18.48	23.98		3.46		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.03	0.03			10.52	10.67		6.33			Pass
11a	6Mbps	2	60	5300	0.03	0.03			10.41	10.67		6.33			Pass
11a	6Mbps	2	64	5320	0.03	0.03			8.52	10.67		6.33			Pass
VHT20	MCS0	2	52	5260	0.00	0.00			10.50	10.67		6.33			Pass
VHT20	MCS0	2	60	5300	0.00	0.00	-		10.35	10.67		6.33		-	Pass
VHT20	MCS0	2	64	5320	0.00	0.00			7.92	10.67		6.33			Pass
VHT40	MCS0	2	54	5270	0.00	0.00			8.02	10.67		6.33			Pass
VHT40	MCS0	2	62	5310	0.00	0.00			3.40	10.67		6.33			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			-0.12	10.67		6.33			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.48	16.38	19.48	19.49	23.14		29.14		23.90		----	----
11a	6Mbps	2	116	5580	16.48	16.38	19.97	19.57	23.14		29.14		23.92		----	----
11a	6Mbps	2	140	5700	16.43	16.38	19.49	19.43	23.14		29.14		23.89		----	----
VHT20	MCS0	2	100	5500	17.58	17.58	20.54	20.84	23.45		29.45		23.98		----	----
VHT20	MCS0	2	116	5580	17.78	17.58	24.66	21.22	23.45		29.45		23.98		----	----
VHT20	MCS0	2	140	5700	17.58	17.58	20.67	20.96	23.45		29.45		23.98		----	----
VHT40	MCS0	2	102	5510	36.26	36.26	40.74	40.83	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.96	36.56	75.25	55.84	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.26	36.26	40.94	40.69	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.40	75.52	82.91	82.08	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.52	75.52	83.14	82.69	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	155.12	154.89	166.18	165.70	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.29	13.19	14.90	14.69	22.20		28.20		22.67		3.145	3.16
VHT20	MCS0	2	144	5720	13.79	13.79	15.49	15.62	22.40		28.40		22.90		3.775	3.77
VHT40	MCS0	2	142	5710	33.18	33.18	44.04	37.22	23.98		30.00		23.98		2.802	3.171
VHT80	MCS0	2	138	5690	72.88	72.76	76.54	76.22	23.98		30.00		23.98		2.776	2.504
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	18.10	17.70	20.91	23.90		3.74		30	Pass
11a	6Mbps	2	116	5580	18.80	19.30	22.07	23.92		3.74		30	Pass
11a	6Mbps	2	140	5700	18.20	17.60	20.92	23.89		3.74		30	Pass
HT20	MCS0	2	100	5500	17.30	16.90	20.11	23.98		3.74		30	Pass
HT20	MCS0	2	116	5580	19.40	20.00	22.72	23.98		3.74		30	Pass
HT20	MCS0	2	140	5700	15.90	15.30	18.62	23.98		3.74		30	Pass
HT40	MCS0	2	102	5510	16.50	16.00	19.27	23.98		3.74		30	Pass
HT40	MCS0	2	110	5550	20.60	20.50	23.56	23.98		3.74		30	Pass
HT40	MCS0	2	134	5670	17.30	17.10	20.21	23.98		3.74		30	Pass
VHT20	MCS0	2	100	5500	17.40	17.00	20.21	23.98		3.74		30	Pass
VHT20	MCS0	2	116	5580	19.50	20.10	22.82	23.98		3.74		30	Pass
VHT20	MCS0	2	140	5700	16.00	15.40	18.72	23.98		3.74		30	Pass
VHT40	MCS0	2	102	5510	16.60	16.10	19.37	23.98		3.74		30	Pass
VHT40	MCS0	2	110	5550	20.70	20.60	23.66	23.98		3.74		30	Pass
VHT40	MCS0	2	134	5670	17.40	17.20	20.31	23.98		3.74		30	Pass
VHT80	MCS0	2	106	5530	15.30	14.70	18.02	23.98		3.74		30	Pass
VHT80	MCS0	2	122	5610	18.90	19.10	22.01	23.98		3.74		30	Pass
VHT160	MCS0	2	114	5570	13.60	14.00	16.81	23.98		3.74		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	19.40	18.40	21.94	22.67		3.74		30	Pass
HT20	MCS0	2	144	5720	20.00	19.10	22.58	23.98		3.74		30	Pass
HT40	MCS0	2	142	5710	20.60	19.60	23.14	23.98		3.74		30	Pass
VHT20	MCS0	2	144	5720	20.10	19.20	22.68	22.90		3.74		30	Pass
VHT40	MCS0	2	142	5710	20.70	19.70	23.24	23.98		3.74		30	Pass
VHT80	MCS0	2	138	5690	19.80	18.80	22.34	23.98		3.74		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.03	0.03	-		8.91	10.69		6.31		-	Pass
11a	6Mbps	2	116	5580	0.03	0.03			10.34	10.69		6.31			Pass
11a	6Mbps	2	140	5700	0.03	0.03			9.06	10.69		6.31			Pass
VHT20	MCS0	2	100	5500	0.00	0.00			7.82	10.69		6.31			Pass
VHT20	MCS0	2	116	5580	0.00	0.00			10.62	10.69		6.31			Pass
VHT20	MCS0	2	140	5700	0.00	0.00			6.34	10.69		6.31			Pass
VHT40	MCS0	2	102	5510	0.00	0.00			3.96	10.69		6.31			Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.29	10.69		6.31			Pass
VHT40	MCS0	2	134	5670	0.00	0.00			4.75	10.69		6.31			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			-0.86	10.69		6.31			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			3.45	10.69		6.31			Pass
VHT160	MCS0	2	114	5570	0.03	0.03			-4.40	10.69		6.31			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 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.03	0.03	-		10.20	10.69		6.31		-	Pass
VHT20	MCS0	2	144	5720	0.00	0.00			10.34	10.69		6.31			Pass
VHT40	MCS0	2	142	5710	0.00	0.00			8.17	10.69		6.31			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			4.00	10.69		6.31			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.98	18.98	21.50	21.14	-		22.78		-	-
HE20	MCS0	2	44	5220	Full	19.08	19.13	23.74	31.77	-		22.81			
HE20	MCS0	2	48	5240	Full	19.03	19.08	26.19	27.75	-		22.79			
HE40	MCS0	2	38	5190	Full	37.96	37.86	41.84	41.58	-		23.01			
HE40	MCS0	2	46	5230	Full	38.26	38.16	42.93	48.24	-		23.01			
HE80	MCS0	2	42	5210	Full	77.32	77.20	82.78	82.59	-		23.01			
HE160	MCS0	2	50	5250	Full	156.56	156.56	165.98	166.08	-		23.01			

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TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	16.90	16.50	19.71	24.00		3.75		-	Pass
HE20	MCS0	2	36	5180	26/0	7.90	7.00	10.48	24.00		3.75			Pass
HE20	MCS0	2	36	5180	52/37	10.90	10.60	13.76	24.00		3.75			Pass
HE20	MCS0	2	36	5180	106/53	13.50	13.30	16.41	24.00		3.75			Pass
HE20	MCS0	2	44	5220	Full	19.60	18.80	22.23	24.00		3.75			Pass
HE20	MCS0	2	44	5220	26/4	11.80	10.80	14.34	24.00		3.75			Pass
HE20	MCS0	2	44	5220	52/38	13.80	12.90	16.38	24.00		3.75			Pass
HE20	MCS0	2	44	5220	106/53	16.50	15.50	19.04	24.00		3.75			Pass
HE20	MCS0	2	48	5240	Full	19.50	18.80	22.17	24.00		3.75			Pass
HE20	MCS0	2	48	5240	26/8	10.60	9.60	13.14	24.00		3.75			Pass
HE20	MCS0	2	48	5240	52/40	13.30	12.70	16.02	24.00		3.75			Pass
HE20	MCS0	2	48	5240	106/54	16.30	15.60	18.97	24.00		3.75			Pass
HE40	MCS0	2	38	5190	Full	15.10	14.90	18.01	24.00		3.75			Pass
HE40	MCS0	2	38	5190	242/61	12.80	12.60	15.71	24.00		3.75			Pass
HE40	MCS0	2	46	5230	Full	19.70	18.90	22.33	24.00		3.75			Pass
HE40	MCS0	2	46	5230	242/62	17.10	16.10	19.64	24.00		3.75			Pass
HE80	MCS0	2	42	5210	Full	13.70	12.90	16.33	24.00		3.75			Pass
HE80	MCS0	2	42	5210	484/65	11.00	10.00	13.54	24.00		3.75			Pass
HE160	MCS0	2	50	5250	Full	13.30	12.60	15.97	24.00		3.75			Pass
HE160	MCS0	2	50	5250	996/67	10.00	9.00	12.54	24.00		3.75			Pass

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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 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	0.00	0.00			7.47	10.27		6.73			Pass
HE20	MCS0	2	36	5180	26/0	0.00	0.00			7.21	10.27		6.73			Pass
HE20	MCS0	2	36	5180	52/37	0.00	0.00			7.30	10.27		6.73			Pass
HE20	MCS0	2	36	5180	106/53	0.00	0.00			7.14	10.27		6.73			Pass
HE20	MCS0	2	44	5220	Full	0.00	0.00			9.80	10.27		6.73			Pass
HE20	MCS0	2	44	5220	26/4	0.00	0.00			9.78	10.27		6.73			Pass
HE20	MCS0	2	44	5220	52/38	0.00	0.00			9.72	10.27		6.73			Pass
HE20	MCS0	2	44	5220	106/53	0.00	0.00			9.73	10.27		6.73			Pass
HE20	MCS0	2	48	5240	Full	0.00	0.00			9.97	10.27		6.73			Pass
HE20	MCS0	2	48	5240	26/8	0.00	0.00			9.90	10.27		6.73			Pass
HE20	MCS0	2	48	5240	52/40	0.00	0.00	-		9.86	10.27		6.73		-	Pass
HE20	MCS0	2	48	5240	106/54	0.00	0.00			9.75	10.27		6.73			Pass
HE40	MCS0	2	38	5190	Full	0.00	0.00			2.85	10.27		6.73			Pass
HE40	MCS0	2	38	5190	242/61	0.00	0.00			2.81	10.27		6.73			Pass
HE40	MCS0	2	46	5230	Full	0.00	0.00			7.08	10.27		6.73			Pass
HE40	MCS0	2	46	5230	242/62	0.00	0.00			6.87	10.27		6.73			Pass
HE80	MCS0	2	42	5210	Full	0.03	0.03			-2.24	10.27		6.73			Pass
HE80	MCS0	2	42	5210	484/65	0.05	0.05			-2.63	10.27		6.73			Pass
HE160	MCS0	2	50	5250	Full	0.04	0.04			-5.17	10.27		6.73			Pass
HE160	MCS0	2	50	5250	996/67	0.05	0.06			-6.37	10.27		6.73			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	19.18	19.13	31.92	27.71	23.82		29.82		23.98		
HE20	MCS0	2	60	5300	Full	19.18	19.08	32.44	27.21	23.81		29.81		23.98		
HE20	MCS0	2	64	5320	Full	18.93	18.93	21.65	21.30	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	Full	38.76	38.36	83.94	60.16	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.96	41.55	41.71	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.32	77.32	82.78	82.53	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	20.10	19.20	22.68	23.98		3.46		30	Pass
HE20	MCS0	2	52	5260	26/0	10.80	9.80	13.34	23.98		3.46		30	Pass
HE20	MCS0	2	52	5260	52/37	13.80	12.80	16.34	23.98		3.46		30	Pass
HE20	MCS0	2	52	5260	106/53	16.50	15.50	19.04	23.98		3.46		30	Pass
HE20	MCS0	2	60	5300	Full	20.10	19.20	22.68	23.98		3.46		30	Pass
HE20	MCS0	2	60	5300	26/4	12.30	11.30	14.84	23.98		3.46		30	Pass
HE20	MCS0	2	60	5300	52/38	13.70	12.90	16.33	23.98		3.46		30	Pass
HE20	MCS0	2	60	5300	106/53	17.00	16.00	19.54	23.98		3.46		30	Pass
HE20	MCS0	2	64	5320	Full	17.10	17.20	20.16	23.98		3.46		30	Pass
HE20	MCS0	2	64	5320	26/8	8.20	7.50	10.87	23.98		3.46		30	Pass
HE20	MCS0	2	64	5320	52/40	11.10	11.10	14.11	23.98		3.46		30	Pass
HE20	MCS0	2	64	5320	106/54	13.80	13.80	16.81	23.98		3.46		30	Pass
HE40	MCS0	2	54	5270	Full	20.60	19.60	23.14	23.98		3.46		30	Pass
HE40	MCS0	2	54	5270	242/61	18.00	17.00	20.54	23.98		3.46		30	Pass
HE40	MCS0	2	62	5310	Full	15.60	15.40	18.51	23.98		3.46		30	Pass
HE40	MCS0	2	62	5310	242/62	12.80	12.70	15.76	23.98		3.46		30	Pass
HE80	MCS0	2	58	5290	Full	16.00	15.10	18.58	23.98		3.46		30	Pass
HE80	MCS0	2	58	5290	484/66	13.00	12.10	15.58	23.98		3.46		30	Pass
HE160	MCS0	2	50	5250	996/S67	10.30	9.50	12.93	23.98		3.46		30	Pass

Report Number : FR470121D

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 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.00	0.00			10.43	10.67		6.33			Pass
HE20	MCS0	2	52	5260	26/0	0.00	0.00			9.95	10.67		6.33			Pass
HE20	MCS0	2	52	5260	52/37	0.00	0.00			9.98	10.67		6.33			Pass
HE20	MCS0	2	52	5260	106/53	0.00	0.00			9.99	10.67		6.33			Pass
HE20	MCS0	2	60	5300	Full	0.00	0.00			10.31	10.67		6.33			Pass
HE20	MCS0	2	60	5300	26/4	0.00	0.00			10.25	10.67		6.33			Pass
HE20	MCS0	2	60	5300	52/38	0.00	0.00			9.92	10.67		6.33			Pass
HE20	MCS0	2	60	5300	106/53	0.00	0.00			10.28	10.67		6.33			Pass
HE20	MCS0	2	64	5320	Full	0.00	0.00			7.92	10.67		6.33			Pass
HE20	MCS0	2	64	5320	26/8	0.00	0.00	-		7.55	10.67		6.33		-	Pass
HE20	MCS0	2	64	5320	52/40	0.00	0.00			7.89	10.67		6.33			Pass
HE20	MCS0	2	64	5320	106/54	0.00	0.00			7.48	10.67		6.33			Pass
HE40	MCS0	2	54	5270	Full	0.00	0.00			8.00	10.67		6.33			Pass
HE40	MCS0	2	54	5270	242/61	0.00	0.00			7.82	10.67		6.33			Pass
HE40	MCS0	2	62	5310	Full	0.00	0.00			3.30	10.67		6.33			Pass
HE40	MCS0	2	62	5310	242/62	0.00	0.00			2.90	10.67		6.33			Pass
HE80	MCS0	2	58	5290	Full	0.03	0.03			0.16	10.67		6.33			Pass
HE80	MCS0	2	58	5290	484/66	0.05	0.05			-0.16	10.67		6.33			Pass
HE160	MCS0	2	50	5250	996/S67	0.05	0.06			-5.86	10.67		6.33			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.93	18.93	21.46	21.15	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.08	19.03	24.93	21.97	23.79		29.79		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.93	18.93	21.57	21.21	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	38.06	41.57	41.38	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	38.36	38.36	66.29	68.11	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.96	41.55	41.38	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.32	77.20	82.59	82.21	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.32	77.32	83.04	83.07	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.32	156.32	165.89	165.98	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.49	14.54	16.02	16.77	22.61		28.61		23.05		4.38	4.355
HE40	MCS0	2	142	5710	Full	34.08	34.08	36.22	37.61	23.98		30.00		23.98		3.936	3.801
HE80	MCS0	2	138	5690	Full	73.72	73.60	76.34	76.79	23.98		30.00		23.98		3.912	3.032
6dB Bandwidth Limit ≧ 500kHz																Pass	

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.50	17.10	20.31	23.98		3.74		30	Pass
HE20	MCS0	2	100	5500	26/0	8.30	8.00	11.16	23.98		3.74		30	Pass
HE20	MCS0	2	100	5500	52/37	11.40	10.60	14.03	23.98		3.74		30	Pass
HE20	MCS0	2	100	5500	106/53	14.40	13.60	17.03	23.98		3.74		30	Pass
HE20	MCS0	2	116	5580	Full	19.60	20.20	22.92	23.98		3.74		30	Pass
HE20	MCS0	2	116	5580	26/4	11.40	11.90	14.67	23.98		3.74		30	Pass
HE20	MCS0	2	116	5580	52/38	12.90	13.60	16.27	23.98		3.74		30	Pass
HE20	MCS0	2	116	5580	106/53	15.80	16.50	19.17	23.98		3.74		30	Pass
HE20	MCS0	2	140	5700	Full	16.10	15.50	18.82	23.98		3.74		30	Pass
HE20	MCS0	2	140	5700	26/8	7.00	6.30	9.67	23.98		3.74		30	Pass
HE20	MCS0	2	140	5700	52/40	10.10	9.30	12.73	23.98		3.74		30	Pass
HE20	MCS0	2	140	5700	106/54	13.20	12.40	15.83	23.98		3.74		30	Pass
HE40	MCS0	2	102	5510	Full	16.70	16.20	19.47	23.98		3.74		30	Pass
HE40	MCS0	2	102	5510	242/61	14.20	13.30	16.78	23.98		3.74		30	Pass
HE40	MCS0	2	110	5550	Full	20.80	20.70	23.76	23.98		3.74		30	Pass
HE40	MCS0	2	110	5550	242/61	18.10	18.40	21.26	23.98		3.74		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	17.30	20.41	23.98		3.74		30	Pass
HE40	MCS0	2	134	5670	242/62	14.20	14.40	17.31	23.98		3.74		30	Pass
HE80	MCS0	2	106	5530	Full	15.40	14.80	18.12	23.98		3.74		30	Pass
HE80	MCS0	2	106	5530	484/65	12.50	11.60	15.08	23.98		3.74		30	Pass
HE80	MCS0	2	122	5610	Full	19.00	19.20	22.11	23.98		3.74		30	Pass
HE80	MCS0	2	122	5610	484/66	16.10	16.70	19.42	23.98		3.74		30	Pass
HE160	MCS0	2	114	5570	Full	13.70	14.10	16.91	23.98		3.74		30	Pass
HE160	MCS0	2	114	5570	996/67	10.50	10.70	13.61	23.98		3.74		30	Pass
HE160	MCS0	2	114	5570	996/S67	11.30	11.80	14.57	23.98		3.74		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	20.20	19.30	22.78	23.05		3.74		30	Pass
HE20	MCS0	2	144	5720	26/8	11.20	10.20	13.74	23.05		3.74		30	Pass
HE20	MCS0	2	144	5720	52/40	14.00	13.10	16.58	23.05		3.74		30	Pass
HE20	MCS0	2	144	5720	106/54	16.90	15.90	19.44	23.05		3.74		30	Pass
HE40	MCS0	2	142	5710	Full	20.80	19.80	23.34	23.98		3.74		30	Pass
HE40	MCS0	2	142	5710	242/62	17.90	16.90	20.44	23.98		3.74		30	Pass
HE80	MCS0	2	138	5690	Full	19.90	18.90	22.44	23.98		3.74		30	Pass
HE80	MCS0	2	138	5690	484/66	17.30	16.30	19.84	23.98		3.74		30	Pass

TEST RESULTS DATA
Power Spectral Density

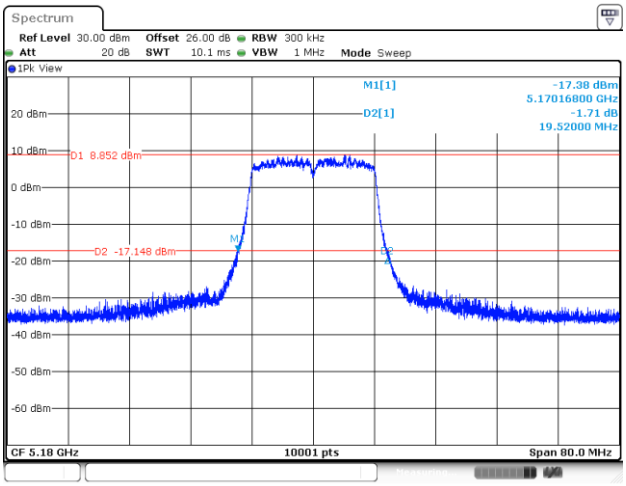
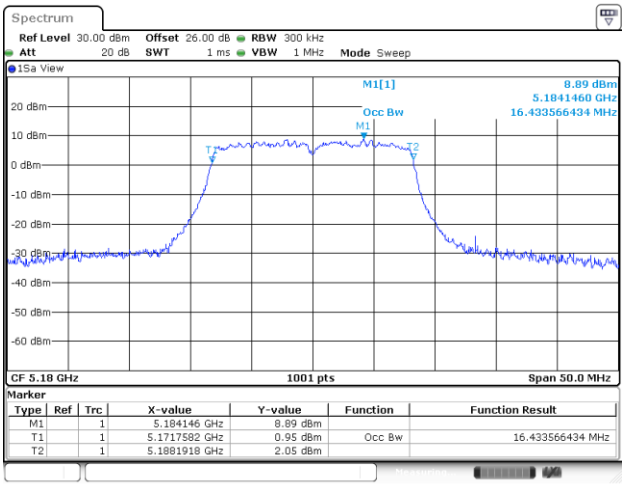
U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.00	0.00			7.76	10.69		6.31			Pass
HE20	MCS0	2	100	5500	26/0	0.00	0.00			7.48	10.69		6.31			Pass
HE20	MCS0	2	100	5500	52/37	0.00	0.00			7.54	10.69		6.31			Pass
HE20	MCS0	2	100	5500	106/53	0.00	0.00			7.57	10.69		6.31			Pass
HE20	MCS0	2	116	5580	Full	0.00	0.00			10.52	10.69		6.31			Pass
HE20	MCS0	2	116	5580	26/4	0.00	0.00			10.17	10.69		6.31			Pass
HE20	MCS0	2	116	5580	52/38	0.00	0.00			10.09	10.69		6.31			Pass
HE20	MCS0	2	116	5580	106/53	0.00	0.00			10.06	10.69		6.31			Pass
HE20	MCS0	2	140	5700	Full	0.00	0.00			6.33	10.69		6.31			Pass
HE20	MCS0	2	140	5700	26/8	0.00	0.00			6.06	10.69		6.31			Pass
HE20	MCS0	2	140	5700	52/40	0.00	0.00			6.26	10.69		6.31			Pass
HE20	MCS0	2	140	5700	106/54	0.00	0.00			6.30	10.69		6.31			Pass
HE40	MCS0	2	102	5510	Full	0.00	0.00	-		3.79	10.69		6.31		-	Pass
HE40	MCS0	2	102	5510	242/61	0.00	0.00			3.74	10.69		6.31			Pass
HE40	MCS0	2	110	5550	Full	0.00	0.00			8.12	10.69		6.31			Pass
HE40	MCS0	2	110	5550	242/61	0.00	0.00			8.01	10.69		6.31			Pass
HE40	MCS0	2	134	5670	Full	0.00	0.00			4.66	10.69		6.31			Pass
HE40	MCS0	2	134	5670	242/62	0.00	0.00			4.31	10.69		6.31			Pass
HE80	MCS0	2	106	5530	Full	0.03	0.03			-0.69	10.69		6.31			Pass
HE80	MCS0	2	106	5530	484/65	0.05	0.05			-1.16	10.69		6.31			Pass
HE80	MCS0	2	122	5610	Full	0.03	0.03			3.60	10.69		6.31			Pass
HE80	MCS0	2	122	5610	484/66	0.05	0.05			3.52	10.69		6.31			Pass
HE160	MCS0	2	114	5570	Full	0.04	0.04			-4.39	10.69		6.31			Pass
HE160	MCS0	2	114	5570	996/67	0.05	0.06			-5.87	10.69		6.31			Pass
HE160	MCS0	2	114	5570	996/S67	0.05	0.06			-4.59	10.69		6.31			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 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.00	0.00			10.33	10.69		6.31			Pass
HE20	MCS0	2	144	5720	26/8	0.00	0.00			10.05	10.69		6.31			Pass
HE20	MCS0	2	144	5720	52/40	0.00	0.00			10.15	10.69		6.31			Pass
HE20	MCS0	2	144	5720	106/54	0.00	0.00			9.99	10.69		6.31			Pass
HE40	MCS0	2	142	5710	Full	0.00	0.00	-		8.02	10.69		6.31		-	Pass
HE40	MCS0	2	142	5710	242/62	0.00	0.00			7.59	10.69		6.31			Pass
HE80	MCS0	2	138	5690	Full	0.03	0.03			4.22	10.69		6.31			Pass
HE80	MCS0	2	138	5690	484/66	0.05	0.05			4.20	10.69		6.31			Pass

Test Result of 26dB & 99% Occupied Bandwidth

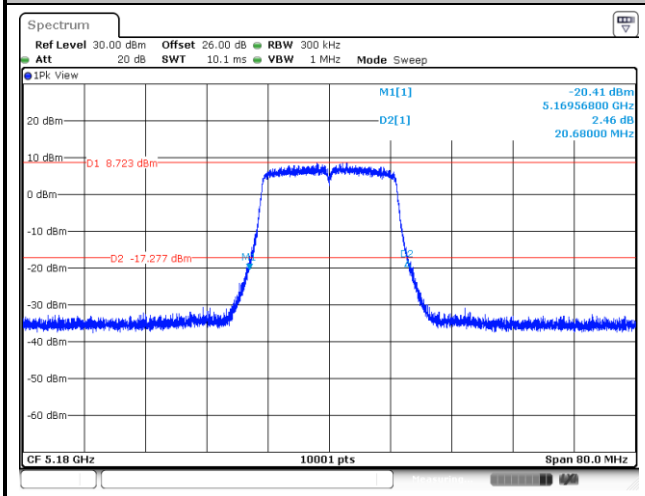
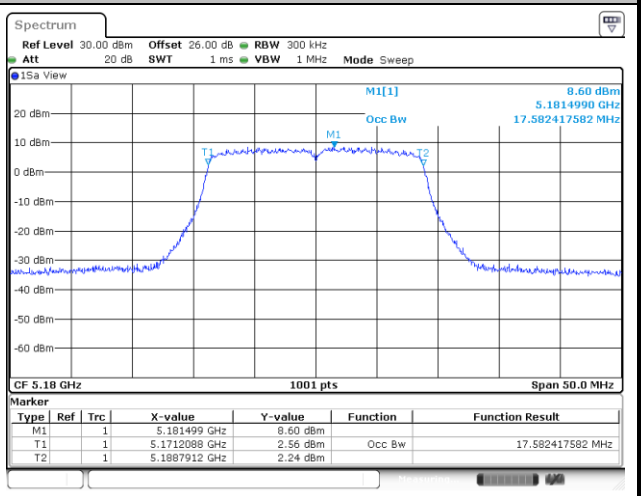
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

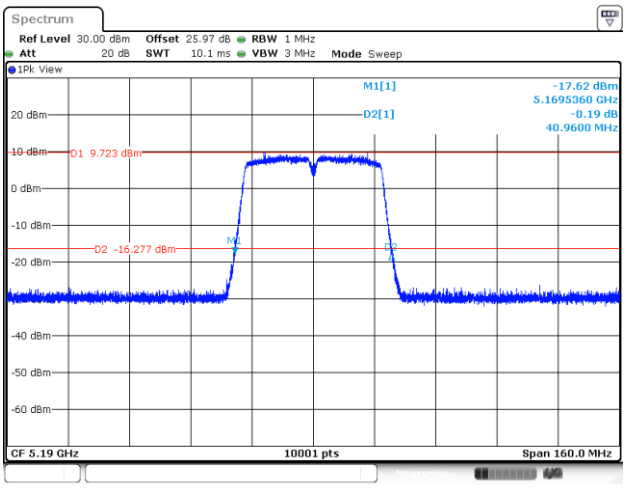
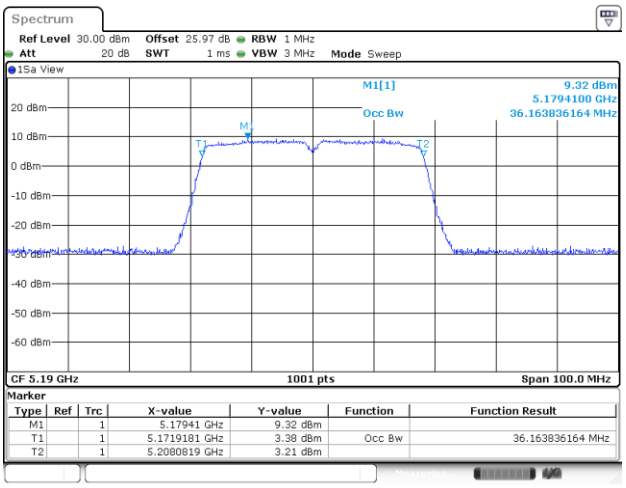
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

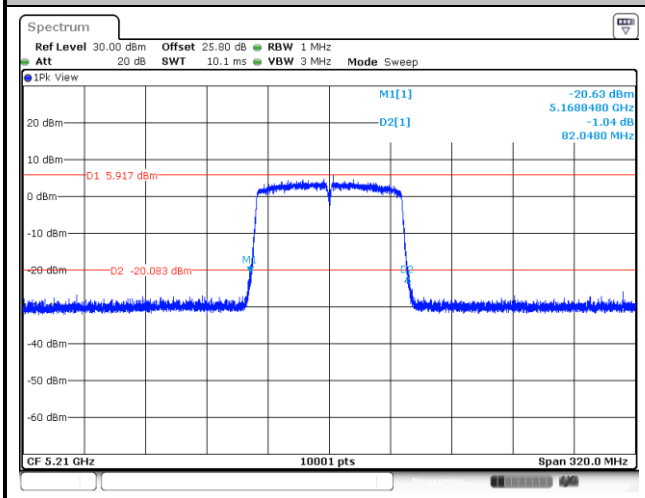
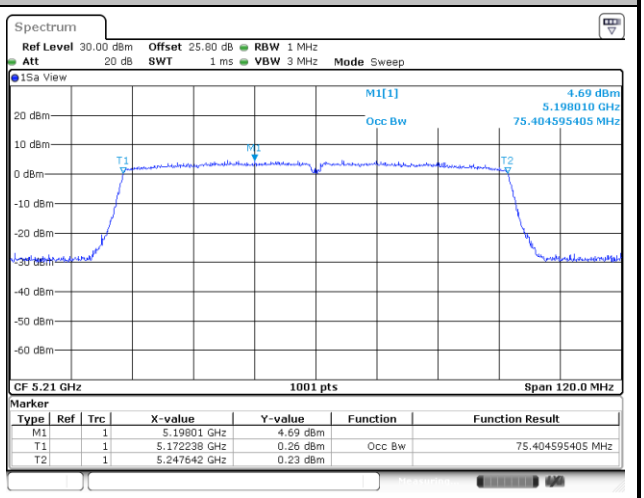
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

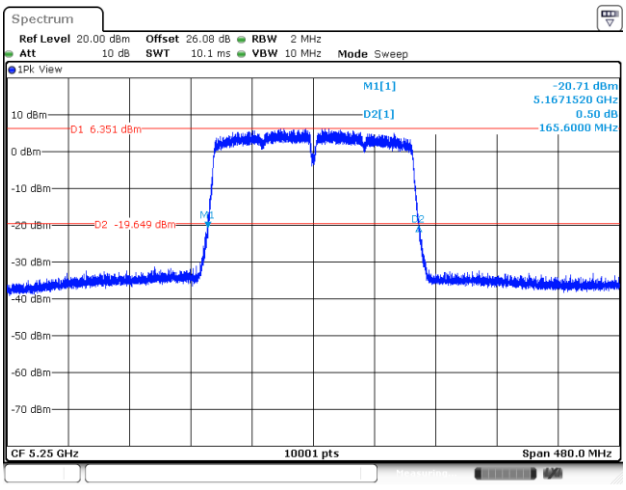
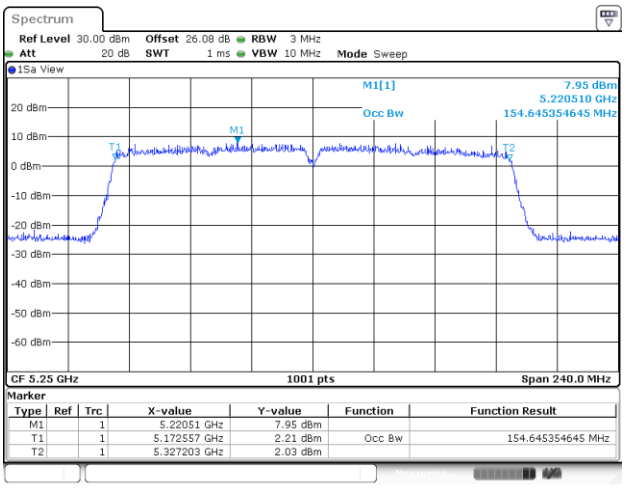
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

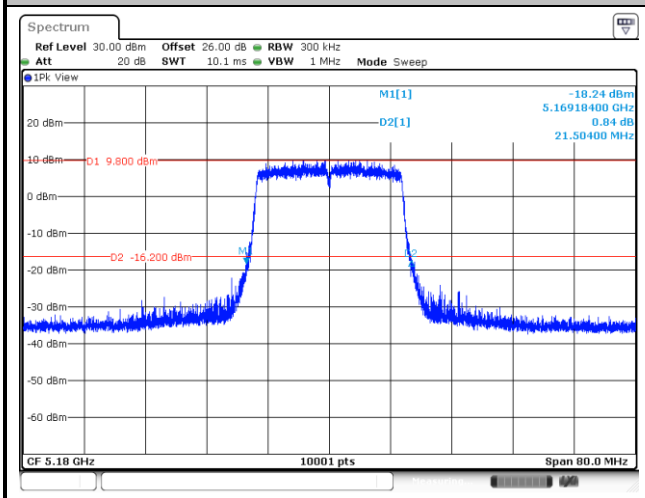
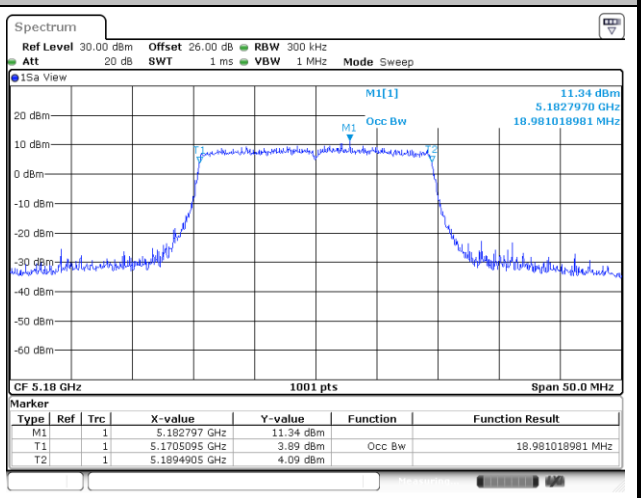
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

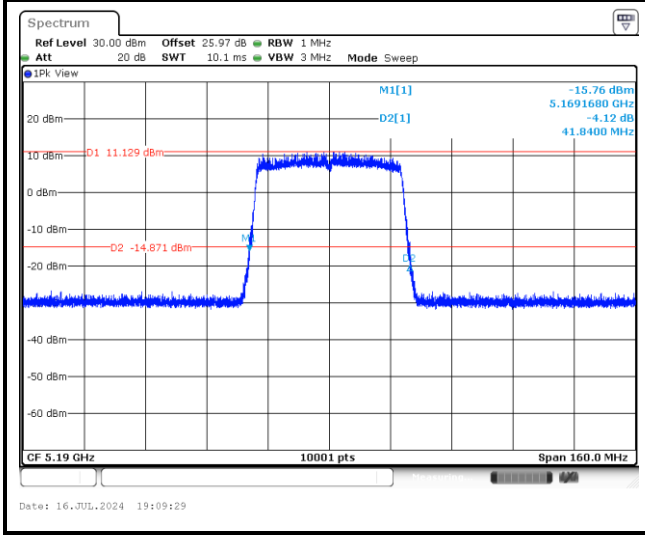
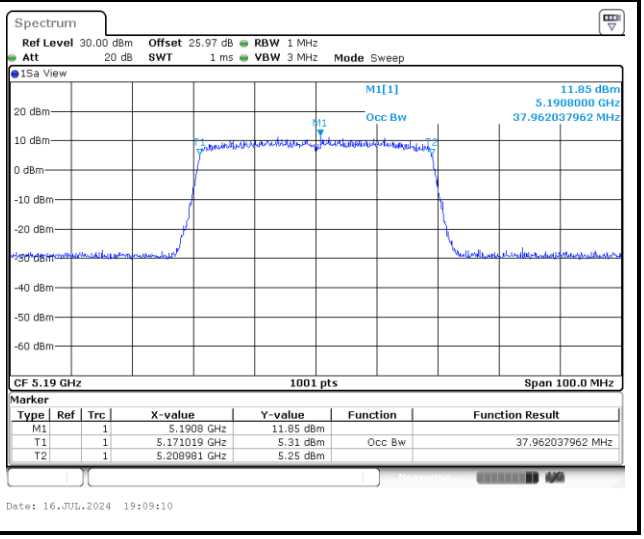
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

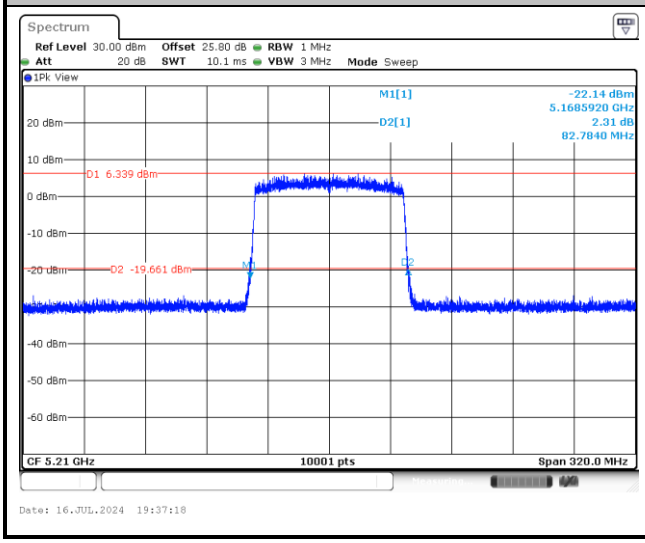
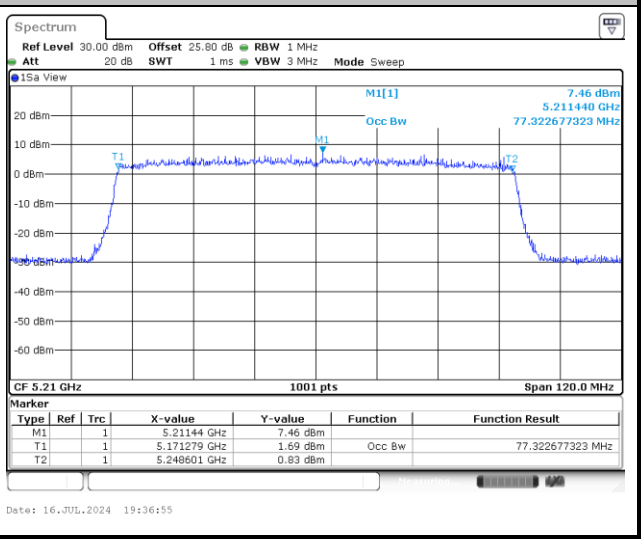
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

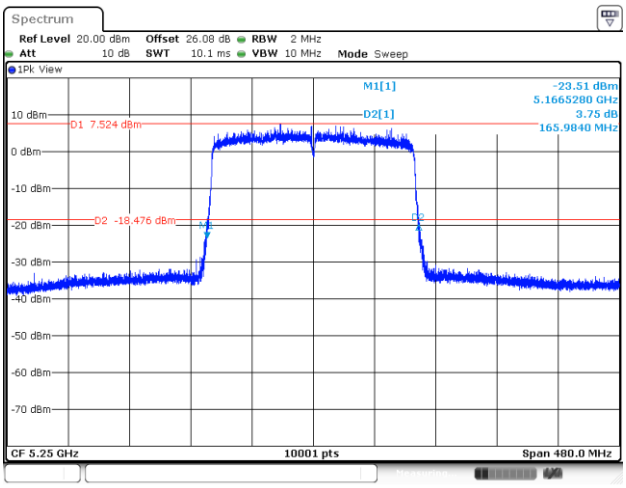
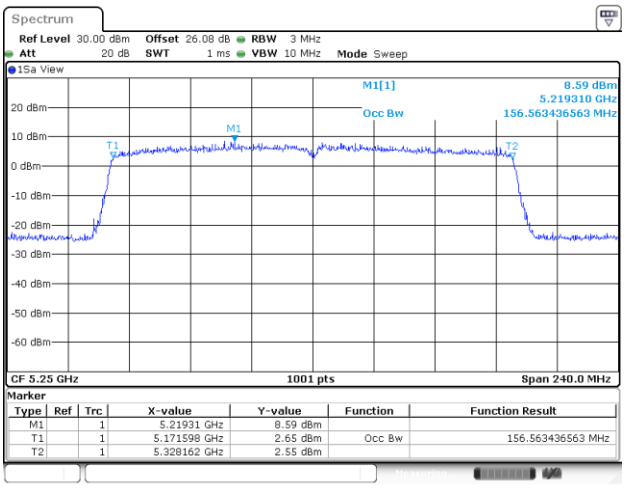
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

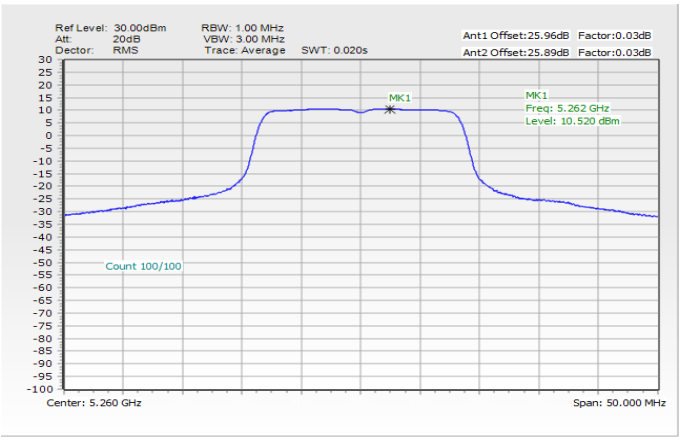
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

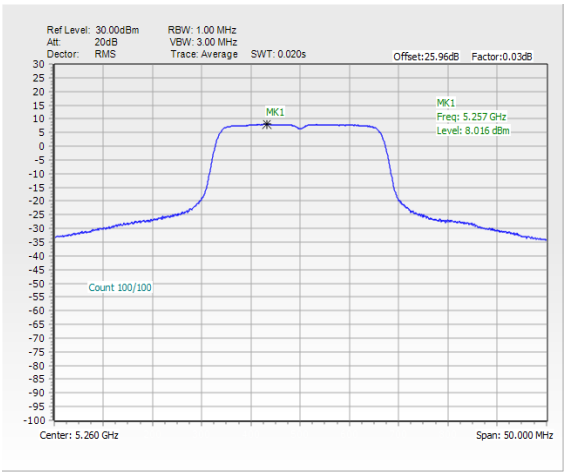
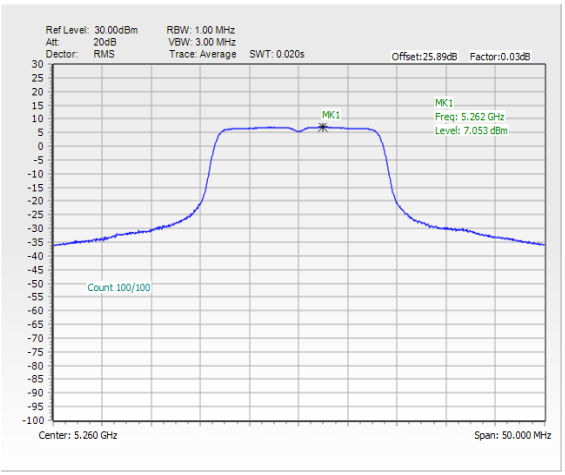
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

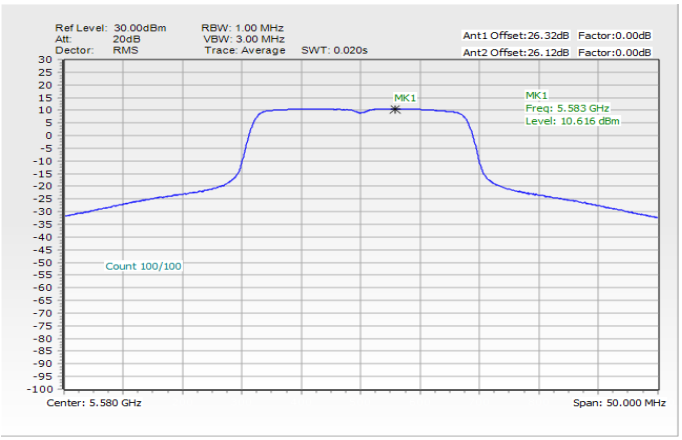
<802.11a>

Maximum Power Density Plot (dBm/MHz)


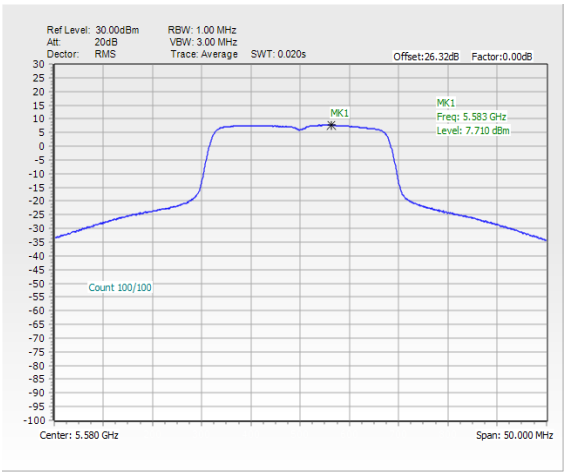
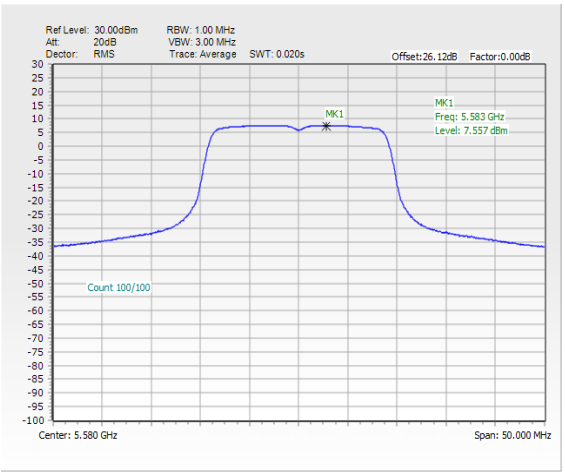
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

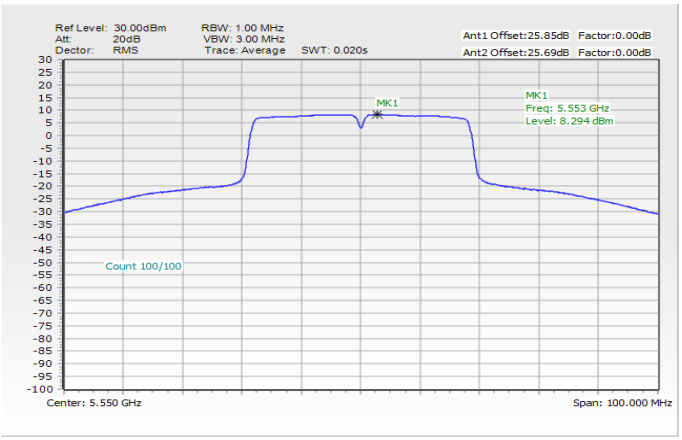
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)


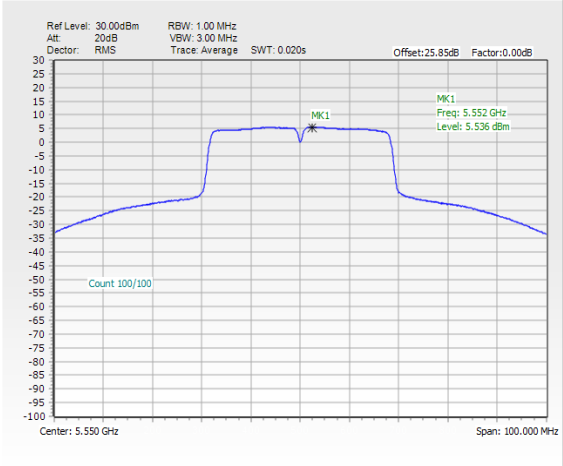
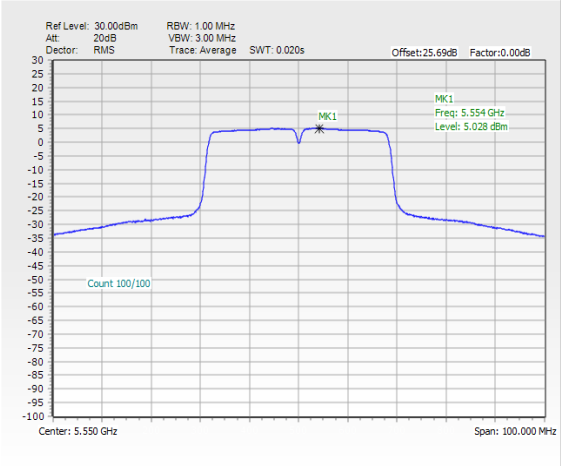
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

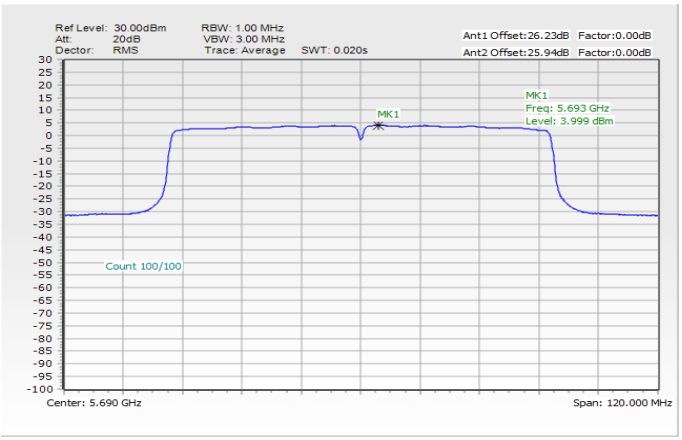
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)


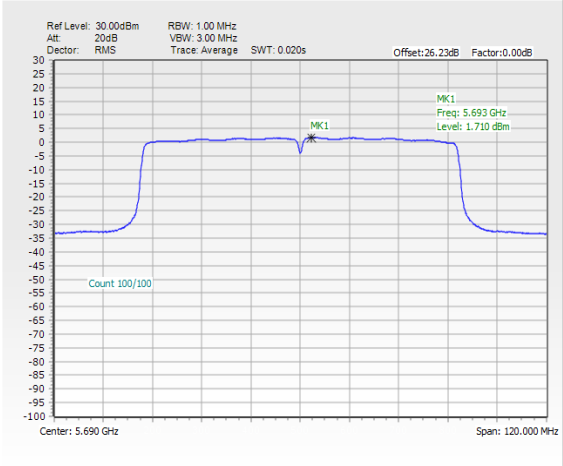
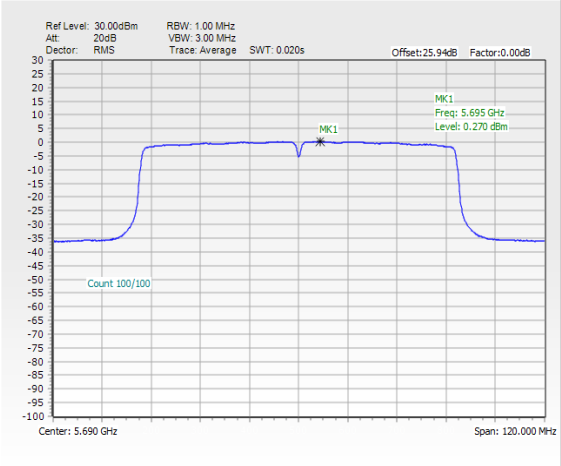
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

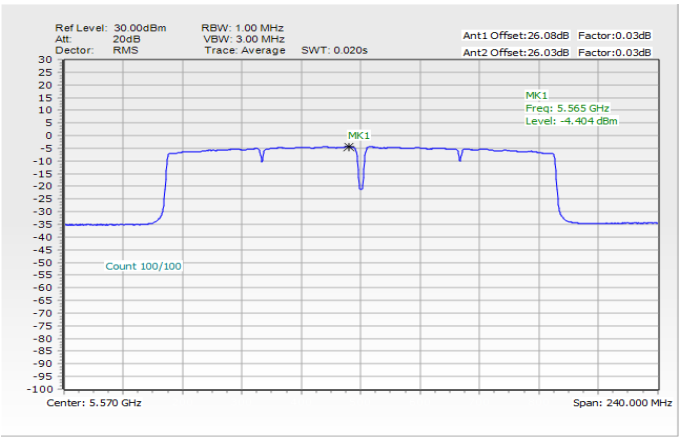
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


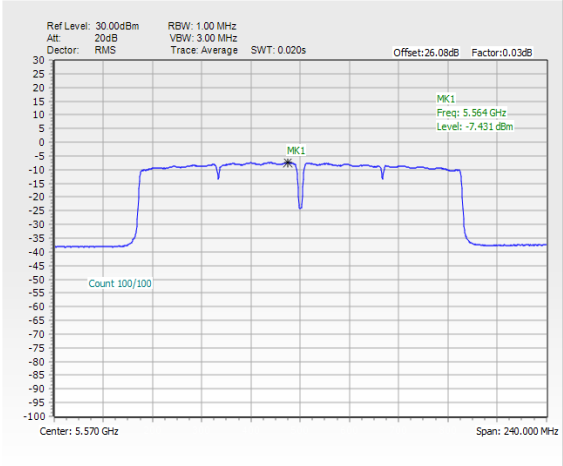
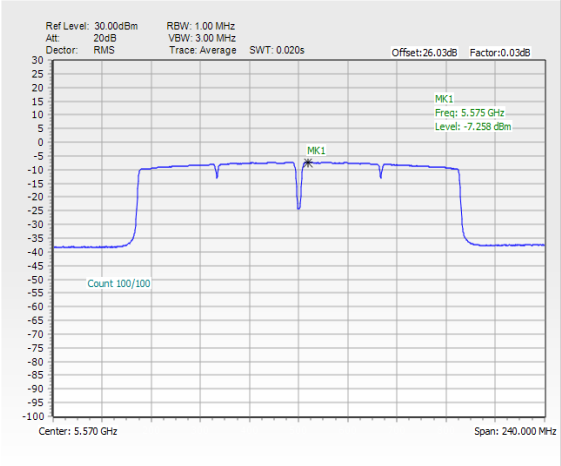
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

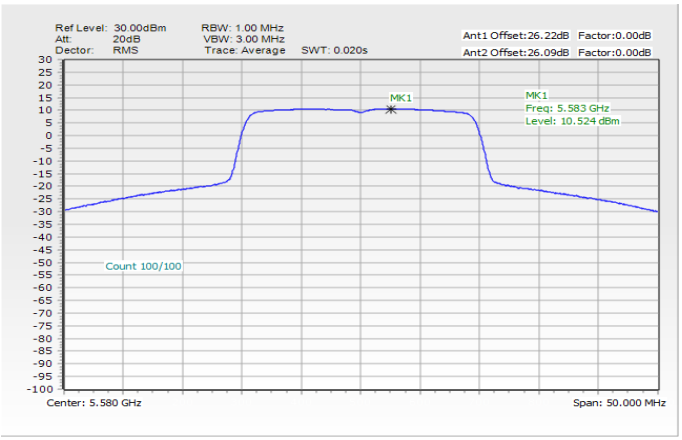
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


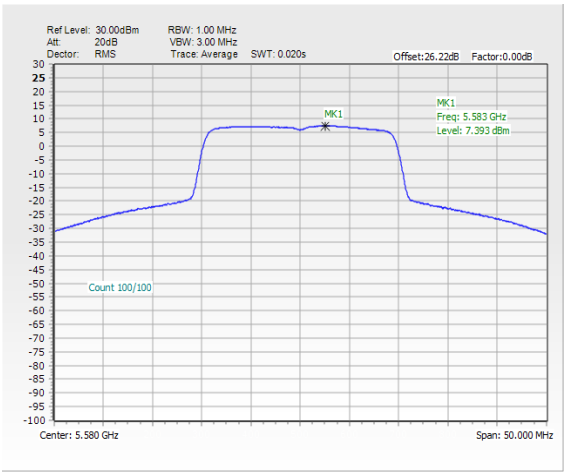
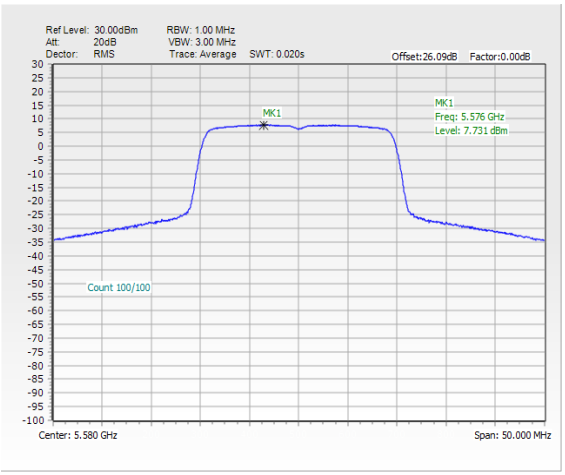
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

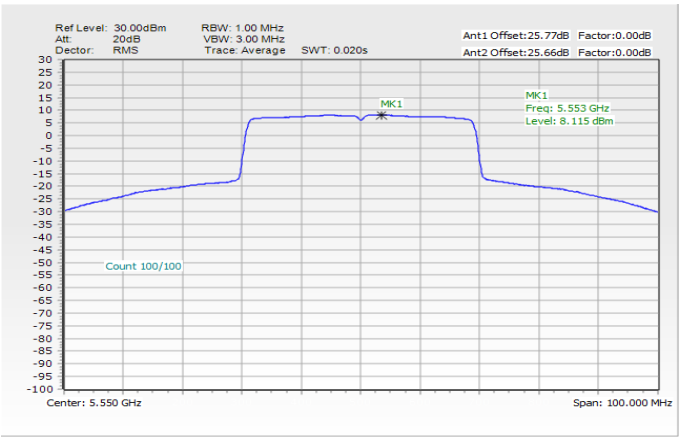
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


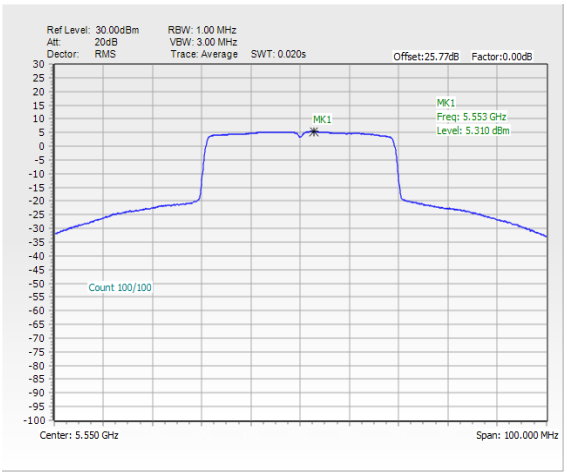
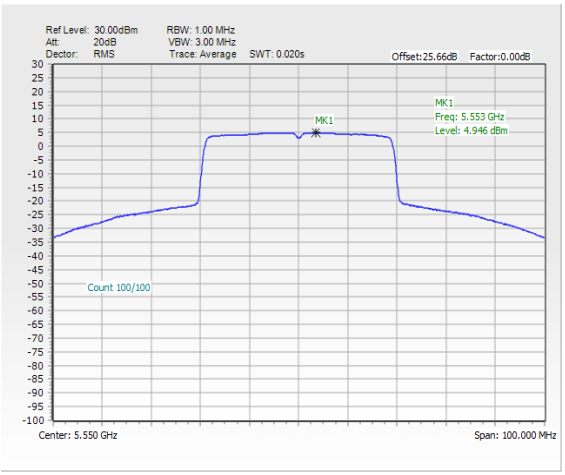
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

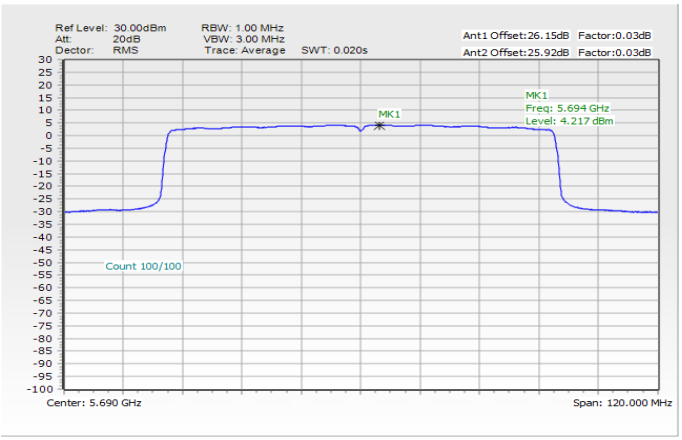
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


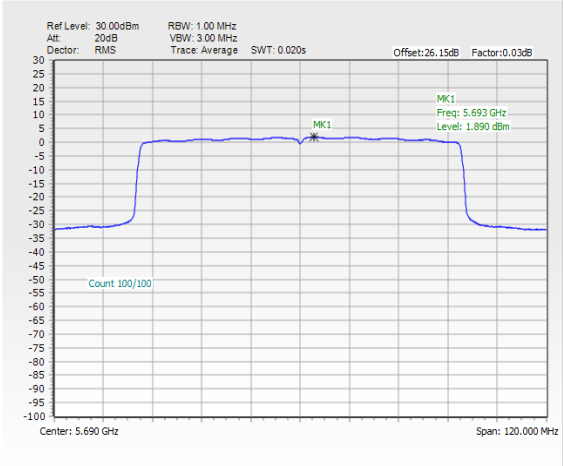
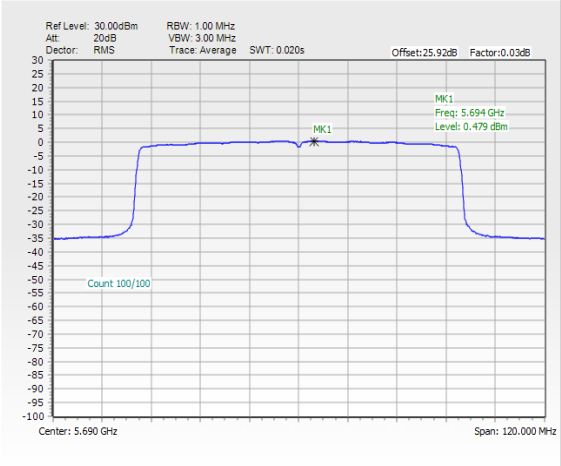
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

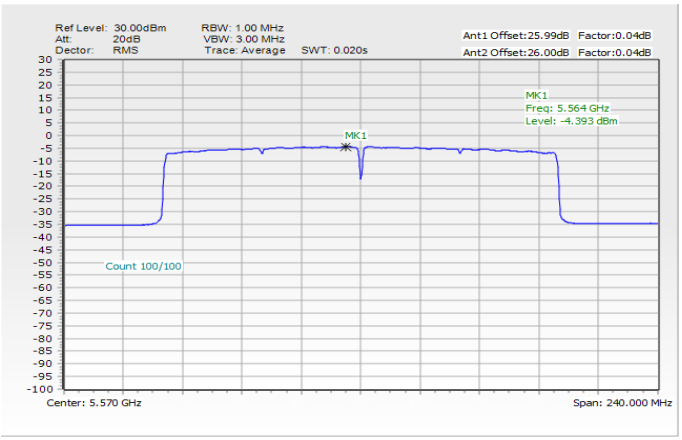
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


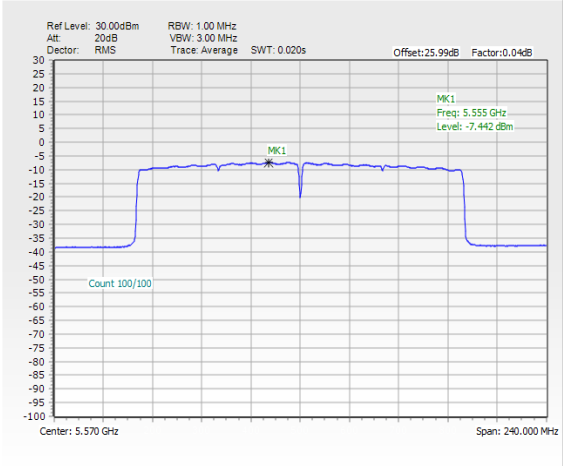
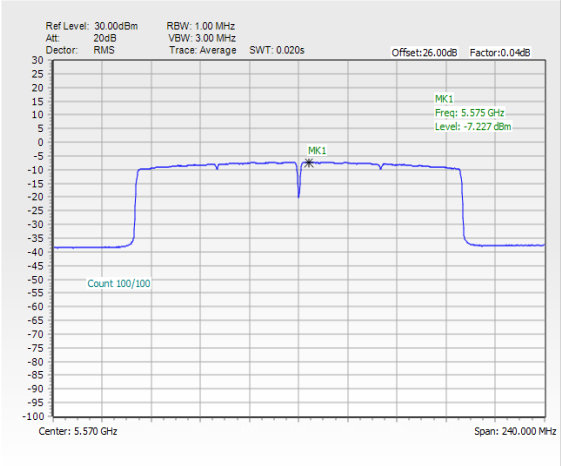
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<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.

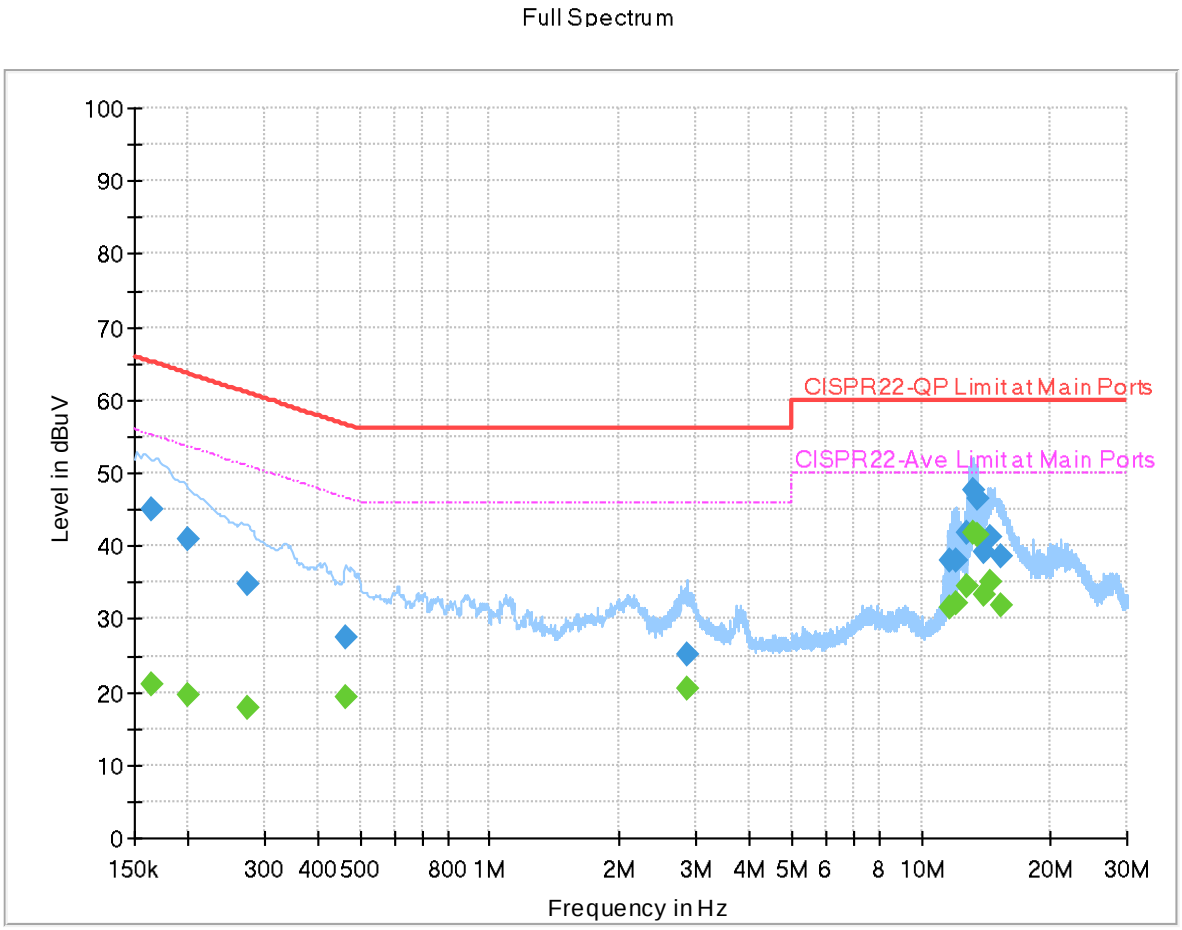
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	22.3~24.7℃
		Relative Humidity :	40.4~48.9%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



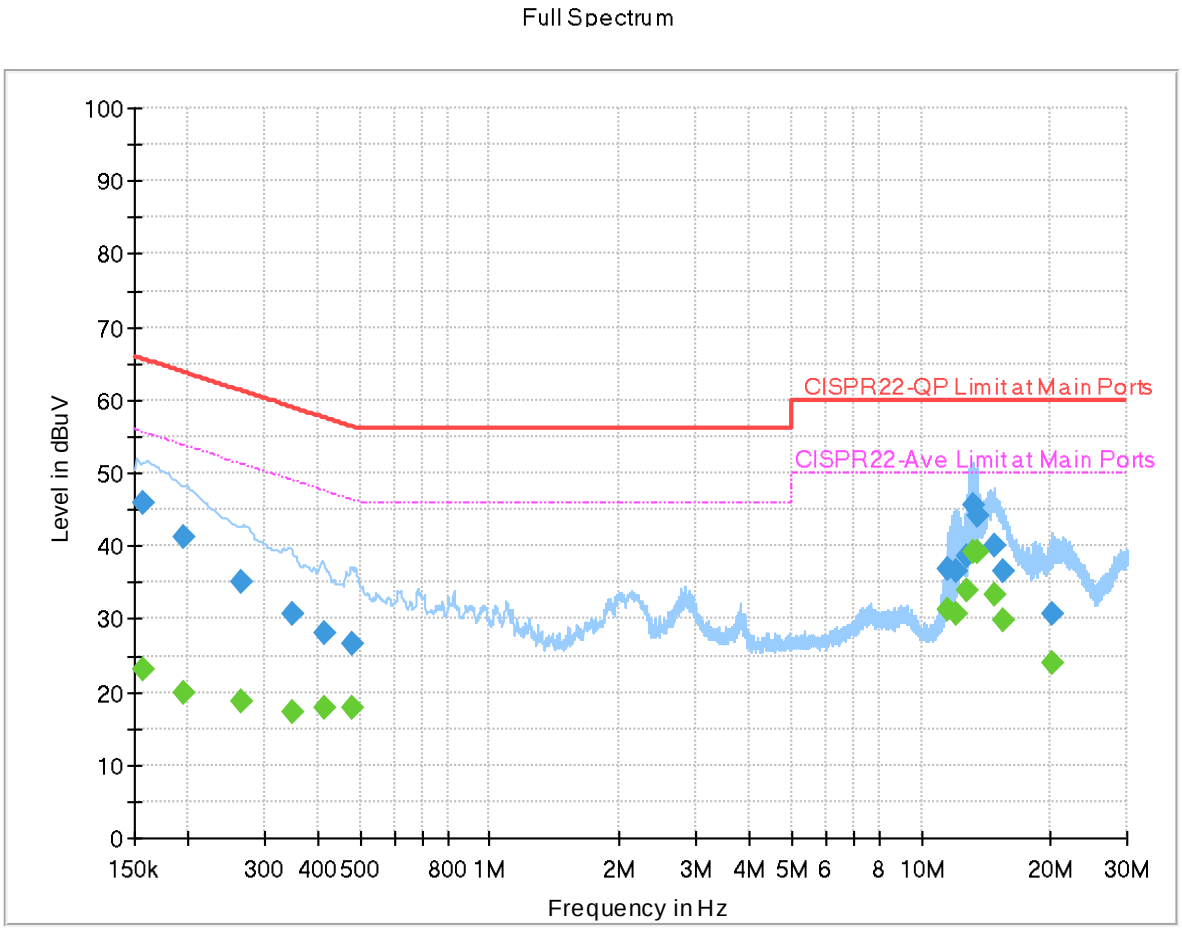
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	21.06	55.28	34.22	L1	OFF	19.9
0.163500	45.15	---	65.28	20.13	L1	OFF	19.9
0.198330	---	19.57	53.68	34.11	L1	OFF	19.9
0.198330	40.99	---	63.68	22.69	L1	OFF	19.9
0.273030	---	17.87	51.03	33.16	L1	OFF	19.9
0.273030	34.81	---	61.03	26.22	L1	OFF	19.9
0.462660	---	19.36	46.65	27.29	L1	OFF	19.9
0.462660	27.37	---	56.65	29.28	L1	OFF	19.9
2.865750	---	20.45	46.00	25.55	L1	OFF	20.0
2.865750	25.01	---	56.00	30.99	L1	OFF	20.0
11.665050	---	31.57	50.00	18.43	L1	OFF	20.1
11.665050	37.88	---	60.00	22.12	L1	OFF	20.1
12.030000	---	32.18	50.00	17.82	L1	OFF	20.1
12.030000	38.03	---	60.00	21.97	L1	OFF	20.1
12.762600	---	34.44	50.00	15.56	L1	OFF	20.1
12.762600	41.85	---	60.00	18.15	L1	OFF	20.1
13.150500	---	41.81	50.00	8.19	L1	OFF	20.1
13.150500	47.70	---	60.00	12.30	L1	OFF	20.1
13.558560	---	41.47	50.00	8.53	L1	OFF	20.1

13.558560	46.47	---	60.00	13.53	L1	OFF	20.1
14.057250	---	33.28	50.00	16.72	L1	OFF	20.1
14.057250	39.25	---	60.00	20.75	L1	OFF	20.1
14.547750	---	34.96	50.00	15.04	L1	OFF	20.1
14.547750	41.17	---	60.00	18.83	L1	OFF	20.1
15.256500	---	31.99	50.00	18.01	L1	OFF	20.1
15.256500	38.59	---	60.00	21.41	L1	OFF	20.1

EUT Information

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	---	23.10	55.63	32.53	N	OFF	19.9
0.156750	45.80	---	65.63	19.83	N	OFF	19.9
0.195000	---	19.99	53.82	33.83	N	OFF	19.9
0.195000	41.16	---	63.82	22.66	N	OFF	19.9
0.264750	---	18.62	51.28	32.66	N	OFF	19.9
0.264750	35.08	---	61.28	26.20	N	OFF	19.9
0.347730	---	17.17	49.02	31.85	N	OFF	19.9
0.347730	30.74	---	59.02	28.28	N	OFF	19.9
0.413970	---	17.96	47.57	29.61	N	OFF	19.9
0.413970	27.94	---	57.57	29.63	N	OFF	19.9
0.479580	---	17.76	46.35	28.59	N	OFF	19.9
0.479580	26.67	---	56.35	29.68	N	OFF	19.9
11.567670	---	31.25	50.00	18.75	N	OFF	20.1
11.567670	36.92	---	60.00	23.08	N	OFF	20.1
12.028020	---	30.65	50.00	19.35	N	OFF	20.1
12.028020	36.65	---	60.00	23.35	N	OFF	20.1
12.777900	---	33.96	50.00	16.04	N	OFF	20.1
12.777900	38.52	---	60.00	21.48	N	OFF	20.1
13.244640	---	39.24	50.00	10.76	N	OFF	20.1

13.244640	45.64	---	60.00	14.36	N	OFF	20.1
13.555140	---	39.24	50.00	10.76	N	OFF	20.1
13.555140	44.27	---	60.00	15.73	N	OFF	20.1
14.756820	---	33.31	50.00	16.69	N	OFF	20.1
14.756820	39.93	---	60.00	20.07	N	OFF	20.1
15.549000	---	29.91	50.00	20.09	N	OFF	20.2
15.549000	36.65	---	60.00	23.35	N	OFF	20.2
20.188500	---	24.10	50.00	25.90	N	OFF	20.2
20.188500	30.72	---	60.00	29.28	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Ken Kuo, Bank Lin, Fred Tseng, and Karl Hou	Temperature :	20.8~24.8°C
		Relative Humidity :	52.4~63.8%

MIMO<Ant. 1+2>

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.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	62.03	-11.97	74	50.47	32.5	12.75	33.69	189	10	P	H
		5150	51.51	-2.49	54	39.95	32.5	12.75	33.69	189	10	A	H
	*	5180	117.36	-	-	105.73	32.56	12.81	33.74	189	10	P	H
	*	5180	110.07	-	-	98.44	32.56	12.81	33.74	189	10	A	H
													H
		5149.76	60.64	-13.36	74	49.08	32.5	12.75	33.69	387	334	P	V
		5149.76	49.83	-4.17	54	38.27	32.5	12.75	33.69	387	334	A	V
	*	5180	114.9	-	-	103.27	32.56	12.81	33.74	387	334	P	V
	*	5180	107.66	-	-	96.03	32.56	12.81	33.74	387	334	A	V
													V
802.11a CH 44 5220MHz		5148.72	54.36	-19.64	74	42.8	32.5	12.75	33.69	264	11	P	H
		5149.76	44.65	-9.35	54	33.09	32.5	12.75	33.69	264	11	A	H
	*	5220	118.63	-	-	106.95	32.6	12.88	33.8	264	11	P	H
	*	5220	112.75	-	-	101.07	32.6	12.88	33.8	264	11	A	H
		5418	49.53	-24.47	74	37.96	32.54	13.14	34.11	264	11	P	H
		5376.28	40.4	-13.6	54	28.86	32.5	13.09	34.05	264	11	A	H
		5149.24	53.04	-20.96	74	41.48	32.5	12.75	33.69	200	335	P	V
		5149.76	43.91	-10.09	54	32.35	32.5	12.75	33.69	200	335	A	V
	*	5220	115.59	-	-	103.91	32.6	12.88	33.8	200	335	P	V
	*	5220	109.25	-	-	97.57	32.6	12.88	33.8	200	335	A	V
		5350.52	48.38	-25.62	74	36.84	32.5	13.05	34.01	200	335	P	V
		5458.04	39.03	-14.97	54	27.36	32.65	13.19	34.17	200	335	A	V

802.11a CH 48 5240MHz		5137.54	52.89	-21.11	74	41.31	32.52	12.73	33.67	192	0	P	H
		5149.76	43.16	-10.84	54	31.6	32.5	12.75	33.69	192	0	A	H
	*	5240	120.25	-	-	108.58	32.6	12.9	33.83	192	0	P	H
	*	5240	113.82	-	-	102.15	32.6	12.9	33.83	192	0	A	H
		5406.24	49.58	-24.42	74	38.03	32.51	13.13	34.09	192	0	P	H
		5394.2	40.65	-13.35	54	29.11	32.5	13.11	34.07	192	0	A	H
		5134.94	52.56	-21.44	74	40.98	32.53	12.72	33.67	400	335	P	V
		5149.76	41.9	-12.1	54	30.34	32.5	12.75	33.69	400	335	A	V
	*	5240	117.49	-	-	105.82	32.6	12.9	33.83	400	335	P	V
	*	5240	110.95	-	-	99.28	32.6	12.9	33.83	400	335	A	V
		5369.84	49.88	-24.12	74	38.34	32.5	13.08	34.04	400	335	P	V
		5350	39.56	-14.44	54	28.02	32.5	13.05	34.01	400	335	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	57.08	-11.12	68.2	58.39	24.3	6.18	31.79	189	10	P	H
		1336	54.59	-19.41	74	55.62	24.44	6.33	31.8	211	23	P	H
		1336	43.43	-10.57	54	44.46	24.44	6.33	31.8	211	23	A	H
		1780	49.63	-18.57	68.2	49.61	24.7	7.31	31.99	189	10	P	H
		6904	57.09	-11.11	68.2	40.9	36.8	14.91	35.52	189	10	P	H
		10360	50.05	-18.15	68.2	32.72	37.46	19.01	39.14	-	-	P	H
		15540	53.91	-20.09	74	33.51	41.26	23.44	44.3	-	-	P	H
		15540	44.57	-9.43	54	24.17	41.26	23.44	44.3	-	-	A	H
													H
													H
													H
													H
		1264	47.84	-20.36	68.2	49.15	24.3	6.18	31.79	387	334	P	V
		1336	53.95	-20.05	74	54.98	24.44	6.33	31.8	194	180	P	V
		1336	47.63	-6.37	54	48.66	24.44	6.33	31.8	194	180	A	V
		1858	46.89	-21.31	68.2	46.17	25.28	7.48	32.04	387	334	P	V
		6910	58.39	-9.81	68.2	42.2	36.8	14.92	35.53	387	334	P	V
		10360	49.98	-18.22	68.2	32.65	37.46	19.01	39.14	-	-	P	V
		15540	53.94	-20.06	74	33.54	41.26	23.44	44.3	-	-	P	V
		15540	44.65	-9.35	54	24.25	41.26	23.44	44.3	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		1264	54.3	-13.9	68.2	55.61	24.3	6.18	31.79	264	11	P	H
		1336	54.68	-19.32	74	55.71	24.44	6.33	31.8	179	47	P	H
		1336	43.89	-10.11	54	44.92	24.44	6.33	31.8	179	47	A	H
		1780	50.58	-17.62	68.2	50.56	24.7	7.31	31.99	-	-	P	H
		5758	57.1	-11.1	68.2	43.93	34	13.61	34.44	264	11	P	H
		6958	59.87	-8.33	68.2	43.67	36.8	14.98	35.58	264	11	P	H
		10440	51.04	-17.16	68.2	33.97	37.22	19.1	39.25	-	-	P	H
		15660	53.67	-20.33	74	33.42	41.22	23.55	44.52	-	-	P	H
		15660	44.61	-9.39	54	24.36	41.22	23.55	44.52	-	-	A	H
													H
													H
													H
		1264	45.33	-22.87	68.2	46.64	24.3	6.18	31.79	200	335	P	V
		1336	54.12	-19.88	74	55.15	24.44	6.33	31.8	199	177	P	V
		1336	47.52	-6.48	54	48.55	24.44	6.33	31.8	199	177	A	V
		1780	47.47	-20.73	68.2	47.45	24.7	7.31	31.99	-	-	P	V
		5758	53.44	-14.76	68.2	40.27	34	13.61	34.44	200	335	P	V
		6958	56.6	-11.6	68.2	40.4	36.8	14.98	35.58	200	335	P	V
		10440	51.44	-16.76	68.2	34.37	37.22	19.1	39.25	-	-	P	V
		15660	53.96	-20.04	74	33.71	41.22	23.55	44.52	-	-	P	V
		15660	44.99	-9.01	54	24.74	41.22	23.55	44.52	-	-	A	V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		1264	56.35	-11.85	68.2	57.66	24.3	6.18	31.79	192	0	P	H
		1336	54.85	-19.15	74	55.88	24.44	6.33	31.8	172	51	P	H
		1336	43.14	-10.86	54	44.17	24.44	6.33	31.8	172	51	A	H
		1858	48.86	-19.34	68.2	48.14	25.28	7.48	32.04	192	0	P	H
		5758	52.79	-15.41	68.2	39.62	34	13.61	34.44	192	0	P	H
		6988	53.77	-14.43	68.2	37.57	36.8	15.02	35.62	192	0	P	H
		10480	50.59	-17.61	68.2	33.55	37.2	19.14	39.3	-	-	P	H
		15720	53.69	-20.31	74	33.34	41.38	23.6	44.63	-	-	P	H
		15720	44.35	-9.65	54	24	41.38	23.6	44.63	-	-	A	H
													H
													H
													H
		1264	48.04	-20.16	68.2	49.35	24.3	6.18	31.79	400	335	P	V
		1336	54.35	-19.65	74	55.38	24.44	6.33	31.8	193	179	P	V
		1336	46.22	-7.78	54	47.25	24.44	6.33	31.8	193	179	A	V
		1858	47.29	-20.91	68.2	46.57	25.28	7.48	32.04	400	335	P	V
		5758	53.68	-14.52	68.2	40.51	34	13.61	34.44	400	335	P	V
		6988	56.21	-11.99	68.2	40.01	36.8	15.02	35.62	400	335	P	V
		10480	52.27	-15.93	68.2	35.23	37.2	19.14	39.3	-	-	P	V
		15720	54.93	-19.07	74	34.58	41.38	23.6	44.63	-	-	P	V
		15720	44.51	-9.49	54	24.16	41.38	23.6	44.63	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.46	67.29	-6.71	74	55.73	32.5	12.75	33.69	192	5	P	H
		5150	52.19	-1.81	54	40.63	32.5	12.75	33.69	192	5	A	H
	*	5180	116.22	-	-	104.59	32.56	12.81	33.74	192	5	P	H
	*	5180	108.56	-	-	96.93	32.56	12.81	33.74	192	5	A	H
													H
													H
		5149.76	61.36	-12.64	74	49.8	32.5	12.75	33.69	400	332	P	V
		5149.76	49.98	-4.02	54	38.42	32.5	12.75	33.69	400	332	A	V
	*	5180	113.62	-	-	101.99	32.56	12.81	33.74	400	332	P	V
	*	5180	106.08	-	-	94.45	32.56	12.81	33.74	400	332	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5104.78	51.24	-22.76	74	39.61	32.59	12.66	33.62	187	306	P	H
		5149.5	40.83	-13.17	54	29.27	32.5	12.75	33.69	187	306	A	H
	*	5220	108.43	-	-	96.75	32.6	12.88	33.8	187	306	P	H
	*	5220	100.07	-	-	88.39	32.6	12.88	33.8	187	306	A	H
		5362	48.39	-25.61	74	36.84	32.5	13.07	34.02	187	306	P	H
		5456.92	38.99	-15.01	54	27.33	32.64	13.19	34.17	187	306	A	H
		5124.54	50.56	-23.44	74	38.96	32.55	12.7	33.65	200	238	P	V
		5096.72	40.59	-13.41	54	28.97	32.59	12.64	33.61	200	238	A	V
	*	5220	100.19	-	-	88.51	32.6	12.88	33.8	200	238	P	V
	*	5220	94.31	-	-	82.63	32.6	12.88	33.8	200	238	A	V
		5363.68	48.46	-25.54	74	36.92	32.5	13.07	34.03	200	238	P	V
		5458.88	38.87	-15.13	54	27.21	32.65	13.19	34.18	200	238	A	V

802.11ax HE20 Full CH 48 5240MHz		5140.92	51.99	-22.01	74	40.42	32.52	12.73	33.68	189	360	P	H
		5150	43.05	-10.95	54	31.49	32.5	12.75	33.69	189	360	A	H
	*	5240	119.97	-	-	108.3	32.6	12.9	33.83	189	360	P	H
	*	5240	113.17	-	-	101.5	32.6	12.9	33.83	189	360	A	H
		5364.24	50.47	-23.53	74	38.93	32.5	13.07	34.03	189	360	P	H
		5394.2	40.95	-13.05	54	29.41	32.5	13.11	34.07	189	360	A	H
		5134.94	52.7	-21.3	74	41.12	32.53	12.72	33.67	200	327	P	V
		5150	42.45	-11.55	54	30.89	32.5	12.75	33.69	200	327	A	V
	*	5240	117.15	-	-	105.48	32.6	12.9	33.83	200	327	P	V
	*	5240	110.58	-	-	98.91	32.6	12.9	33.83	200	327	A	V
		5447.68	48.19	-25.81	74	36.57	32.6	13.18	34.16	200	327	P	V
		5351.36	39.11	-14.89	54	27.57	32.5	13.05	34.01	200	327	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	58.12	-10.08	68.2	59.43	24.3	6.18	31.79	192	5	P	H
		1336	55.24	-18.76	74	56.27	24.44	6.33	31.8	172	51	P	H
		1336	44.5	-9.5	54	45.53	24.44	6.33	31.8	172	51	A	H
		1858	52.22	-15.98	68.2	51.5	25.28	7.48	32.04	192	5	P	H
		6904	57.78	-10.42	68.2	41.59	36.8	14.91	35.52	192	5	P	H
		10360	49.49	-18.71	68.2	32.16	37.46	19.01	39.14	-	-	P	H
		15540	53.54	-20.46	74	33.14	41.26	23.44	44.3	-	-	P	H
		15540	44.47	-9.53	54	24.07	41.26	23.44	44.3	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		1264	47.02	-21.18	68.2	48.33	24.3	6.18	31.79	400	332	P	V
5180MHz		1336	53.86	-20.14	74	54.89	24.44	6.33	31.8	200	176	P	V
		1336	47.43	-6.57	54	48.46	24.44	6.33	31.8	200	176	A	V
		1858	46.27	-21.93	68.2	45.55	25.28	7.48	32.04	400	332	P	V
		6904	57.91	-10.29	68.2	41.72	36.8	14.91	35.52	400	332	P	V
		10360	49.44	-18.76	68.2	32.11	37.46	19.01	39.14	-	-	P	V
		15540	53.42	-20.58	74	33.02	41.26	23.44	44.3	-	-	P	V
		15540	44.52	-9.48	54	24.12	41.26	23.44	44.3	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	47.12	-21.08	68.2	48.43	24.3	6.18	31.79	187	306	P	H
		1336	54.28	-19.72	74	55.31	24.44	6.33	31.8	183	54	P	H
		1336	42.61	-11.39	54	43.64	24.44	6.33	31.8	183	54	A	H
		1636	44.38	-23.82	68.2	44.77	24.5	7.02	31.91	187	306	P	H
		10440	49.14	-19.06	68.2	32.07	37.22	19.1	39.25	-	-	P	H
		15660	53.68	-20.32	74	33.43	41.22	23.55	44.52	-	-	P	H
		15660	44.52	-9.48	54	24.27	41.22	23.55	44.52	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		1264	47.42	-20.78	68.2	48.73	24.3	6.18	31.79	200	238	P	V
5220MHz		1336	54.32	-19.68	74	55.35	24.44	6.33	31.8	199	181	P	V
		1336	45.81	-8.19	54	46.84	24.44	6.33	31.8	199	181	A	V
		1636	40.28	-27.92	68.2	40.67	24.5	7.02	31.91	200	238	P	V
		10440	49.24	-18.96	68.2	32.17	37.22	19.1	39.25	-	-	P	V
		15660	53.42	-20.58	74	33.17	41.22	23.55	44.52	-	-	P	V
		15660	44.44	-9.56	54	24.19	41.22	23.55	44.52	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		1264	57.47	-10.73	68.2	58.78	24.3	6.18	31.79	189	360	P	H
		1336	55.58	-18.42	74	56.61	24.44	6.33	31.8	178	61	P	H
		1336	44.57	-9.43	54	45.6	24.44	6.33	31.8	178	61	A	H
		1858	48.91	-19.29	68.2	48.19	25.28	7.48	32.04	189	360	P	H
		10480	50.47	-17.73	68.2	33.43	37.2	19.14	39.3	-	-	P	H
		15720	54.03	-19.97	74	33.68	41.38	23.6	44.63	-	-	P	H
		15720	44.74	-9.26	54	24.39	41.38	23.6	44.63	-	-	A	H
													H
													H
													H
													H
													H
		1264	47.21	-20.99	68.2	48.52	24.3	6.18	31.79	200	327	P	V
		1336	54.54	-19.46	74	55.57	24.44	6.33	31.8	197	182	P	V
		1336	47.75	-6.25	54	48.78	24.44	6.33	31.8	197	182	A	V
		1858	45.55	-22.65	68.2	44.83	25.28	7.48	32.04	200	327	P	V
		10480	50.68	-17.52	68.2	33.64	37.2	19.14	39.3	-	-	P	V
		15720	53.42	-20.58	74	33.07	41.38	23.6	44.63	-	-	P	V
		15720	44.51	-9.49	54	24.16	41.38	23.6	44.63	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5149.5	69.74	-4.26	74	58.18	32.5	12.75	33.69	204	0	P	H
		5150	50.91	-3.09	54	39.35	32.5	12.75	33.69	204	0	A	H
	*	5180	121.61	-	-	109.98	32.56	12.81	33.74	204	0	P	H
	*	5180	114.6	-	-	102.97	32.56	12.81	33.74	204	0	A	H
													H
													H
		5149.24	69.1	-4.9	74	57.54	32.5	12.75	33.69	355	348	P	V
		5150	50.34	-3.66	54	38.78	32.5	12.75	33.69	355	348	A	V
	*	5180	118.51	-	-	106.88	32.56	12.81	33.74	355	348	P	V
	*	5180	111.35	-	-	99.72	32.56	12.81	33.74	355	348	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.98	62.73	-11.27	74	51.17	32.5	12.75	33.69	192	3	P	H
		5150	51.82	-2.18	54	40.26	32.5	12.75	33.69	192	3	A	H
	*	5190	112.26	-	-	100.61	32.58	12.83	33.76	192	3	P	H
	*	5190	104.71	-	-	93.06	32.58	12.83	33.76	192	3	A	H
		5443.76	48.58	-25.42	74	36.97	32.59	13.17	34.15	192	3	P	H
		5354.16	39.44	-14.56	54	27.89	32.5	13.06	34.01	192	3	A	H
		5147.94	59.73	-14.27	74	48.17	32.5	12.75	33.69	398	337	P	V
		5150	49.69	-4.31	54	38.13	32.5	12.75	33.69	398	337	A	V
	*	5190	109.99	-	-	98.34	32.58	12.83	33.76	398	337	P	V
	*	5190	102.22	-	-	90.57	32.58	12.83	33.76	398	337	A	V
		5459.72	48.14	-25.86	74	36.47	32.66	13.19	34.18	398	337	P	V
		5351.08	38.83	-15.17	54	27.29	32.5	13.05	34.01	398	337	A	V
802.11ax HE40 Full CH 46 5230MHz		5148.46	65.25	-8.75	74	53.69	32.5	12.75	33.69	185	360	P	H
		5150	51.54	-2.46	54	39.98	32.5	12.75	33.69	185	360	A	H
	*	5230	117.83	-	-	106.16	32.6	12.89	33.82	185	360	P	H
	*	5230	109.56	-	-	97.89	32.6	12.89	33.82	185	360	A	H
		5350.24	57.25	-16.75	74	45.71	32.5	13.05	34.01	185	360	P	H
		5350	43.73	-10.27	54	32.19	32.5	13.05	34.01	185	360	A	H
		5149.76	66.65	-7.35	74	55.09	32.5	12.75	33.69	200	325	P	V
		5149.76	50.8	-3.2	54	39.24	32.5	12.75	33.69	200	325	A	V
	*	5230	114.34	-	-	102.67	32.6	12.89	33.82	200	325	P	V
	*	5230	106.49	-	-	94.82	32.6	12.89	33.82	200	325	A	V
		5355	54.67	-19.33	74	43.12	32.5	13.06	34.01	200	325	P	V
		5351.92	40.9	-13.1	54	29.35	32.5	13.06	34.01	200	325	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	55.42	-12.78	68.2	56.73	24.3	6.18	31.79	192	3	P	H
		1336	53.9	-20.1	74	54.93	24.44	6.33	31.8	183	56	P	H
		1336	43.93	-10.07	54	44.96	24.44	6.33	31.8	183	56	A	H
		1858	49.17	-19.03	68.2	48.45	25.28	7.48	32.04	192	3	P	H
		6922	55.46	-12.74	68.2	39.26	36.8	14.94	35.54	192	3	P	H
		10380	49.2	-19	68.2	31.96	37.38	19.03	39.17	-	-	P	H
		15570	53.26	-20.74	74	32.94	41.2	23.47	44.35	-	-	P	H
		15570	44.73	-9.27	54	24.41	41.2	23.47	44.35	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		1264	45.6	-22.6	68.2	46.91	24.3	6.18	31.79	398	337	P	V
5190MHz		1336	53.55	-20.45	74	54.58	24.44	6.33	31.8	199	184	P	V
		1336	47.29	-6.71	54	48.32	24.44	6.33	31.8	199	184	A	V
		1858	44.61	-23.59	68.2	43.89	25.28	7.48	32.04	398	337	P	V
		6922	57.62	-10.58	68.2	41.42	36.8	14.94	35.54	398	337	P	V
		10380	49.71	-18.49	68.2	32.47	37.38	19.03	39.17	-	-	P	V
		15570	53.2	-20.8	74	32.88	41.2	23.47	44.35	-	-	P	V
		15570	44.63	-9.37	54	24.31	41.2	23.47	44.35	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 46 5230MHz		1264	56.24	-11.96	68.2	57.55	24.3	6.18	31.79	185	360	P	H
		1336	53.95	-20.05	74	54.98	24.44	6.33	31.8	183	56	P	H
		1336	44.13	-9.87	54	45.16	24.44	6.33	31.8	183	56	A	H
		1858	47.83	-20.37	68.2	47.11	25.28	7.48	32.04	185	360	P	H
		6976	54.16	-14.04	68.2	37.96	36.8	15	35.6	185	360	P	H
		10460	48.78	-19.42	68.2	31.74	37.2	19.12	39.28	-	-	P	H
		15690	53.5	-20.5	74	33.23	41.28	23.57	44.58	-	-	P	H
		15690	44.6	-9.4	54	24.33	41.28	23.57	44.58	-	-	A	H
													H
													H
													H
													H
		1264	46.5	-21.7	68.2	47.81	24.3	6.18	31.79	200	325	P	V
		1336	54.43	-19.57	74	55.46	24.44	6.33	31.8	200	185	P	V
		1336	47.79	-6.21	54	48.82	24.44	6.33	31.8	200	185	A	V
		1858	45.22	-22.98	68.2	44.5	25.28	7.48	32.04	200	325	P	V
		6976	56.58	-11.62	68.2	40.38	36.8	15	35.6	200	325	P	V
		10460	48.81	-19.39	68.2	31.77	37.2	19.12	39.28	-	-	P	V
		15690	53.47	-20.53	74	33.2	41.28	23.57	44.58	-	-	P	V
		15690	44.48	-9.52	54	24.21	41.28	23.57	44.58	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5144.04	72.11	-1.89	74	60.54	32.51	12.74	33.68	188	0	P	H
		5150	49.97	-4.03	54	38.41	32.5	12.75	33.69	188	0	A	H
	*	5190	114.02	-	-	102.37	32.58	12.83	33.76	188	0	P	H
	*	5190	106.29	-	-	94.64	32.58	12.83	33.76	188	0	A	H
		5390.28	49	-25	74	37.46	32.5	13.11	34.07	188	0	P	H
		5459.72	38.93	-15.07	54	27.26	32.66	13.19	34.18	188	0	A	H
		5147.68	71.65	-2.35	74	60.09	32.5	12.75	33.69	372	335	P	V
		5147.94	50.02	-3.98	54	38.46	32.5	12.75	33.69	372	335	A	V
	*	5190	112.44	-	-	100.79	32.58	12.83	33.76	372	335	P	V
	*	5190	104.49	-	-	92.84	32.58	12.83	33.76	372	335	A	V
		5449.92	49.25	-24.75	74	37.63	32.6	13.18	34.16	372	335	P	V
		5458.04	38.81	-15.19	54	27.14	32.65	13.19	34.17	372	335	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5148.98	63.05	-10.95	74	51.49	32.5	12.75	33.69	189	2	P	H
		5149.24	52.13	-1.87	54	40.57	32.5	12.75	33.69	189	2	A	H
	*	5210	107.47	-	-	95.8	32.6	12.86	33.79	189	2	P	H
	*	5210	100.54	-	-	88.87	32.6	12.86	33.79	189	2	A	H
		5442.08	49.25	-24.75	74	37.65	32.58	13.17	34.15	189	2	P	H
		5350.52	40.3	-13.7	54	28.76	32.5	13.05	34.01	189	2	A	H
		5148.46	57.8	-16.2	74	46.24	32.5	12.75	33.69	394	337	P	V
		5148.98	49.19	-4.81	54	37.63	32.5	12.75	33.69	394	337	A	V
	*	5210	104.49	-	-	92.82	32.6	12.86	33.79	394	337	P	V
	*	5210	97.66	-	-	85.99	32.6	12.86	33.79	394	337	A	V
		5444.88	49.73	-24.27	74	38.11	32.59	13.18	34.15	394	337	P	V
		5350.24	39.22	-14.78	54	27.68	32.5	13.05	34.01	394	337	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	53.35	-14.85	68.2	54.66	24.3	6.18	31.79	189	2	P	H
		1336	55.2	-18.8	74	56.23	24.44	6.33	31.8	177	52	P	H
		1336	43.76	-10.24	54	44.79	24.44	6.33	31.8	177	52	A	H
		1858	48.22	-19.98	68.2	47.5	25.28	7.48	32.04	189	2	P	H
		6946	55.25	-12.95	68.2	39.05	36.8	14.97	35.57	189	2	P	H
		10420	48.86	-19.34	68.2	31.75	37.26	19.07	39.22	-	-	P	H
		15630	52.98	-21.02	74	32.72	41.2	23.52	44.46	-	-	P	H
		15630	44.55	-9.45	54	24.29	41.2	23.52	44.46	-	-	A	H
													H
													H
													H
													H
		1264	44.76	-23.44	68.2	46.07	24.3	6.18	31.79	394	337	P	V
		1336	53.49	-20.51	74	54.52	24.44	6.33	31.8	201	180	P	V
		1336	47.02	-6.98	54	48.05	24.44	6.33	31.8	201	180	A	V
		1858	44.59	-23.61	68.2	43.87	25.28	7.48	32.04	394	337	P	V
		6940	55.96	-12.24	68.2	39.76	36.8	14.96	35.56	394	337	P	V
		10420	48.35	-19.85	68.2	31.24	37.26	19.07	39.22	-	-	P	V
		15630	52.83	-21.17	74	32.57	41.2	23.52	44.46	-	-	P	V
		15630	44.48	-9.52	54	24.22	41.2	23.52	44.46	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5149.24	67.46	-6.54	74	55.9	32.5	12.75	33.69	209	352	P	H
		5150	49.74	-4.26	54	38.18	32.5	12.75	33.69	209	352	A	H
	*	5210	109.77	-	-	98.1	32.6	12.86	33.79	209	352	P	H
	*	5210	101.7	-	-	90.03	32.6	12.86	33.79	209	352	A	H
		5372.36	52.15	-21.85	74	40.61	32.5	13.08	34.04	209	352	P	H
		5351.36	40.07	-13.93	54	28.53	32.5	13.05	34.01	209	352	A	H
		5148.72	67.83	-6.17	74	56.27	32.5	12.75	33.69	388	337	P	V
		5148.98	48.2	-5.8	54	36.64	32.5	12.75	33.69	388	337	A	V
	*	5210	108.47	-	-	96.8	32.6	12.86	33.79	388	337	P	V
	*	5210	100.63	-	-	88.96	32.6	12.86	33.79	388	337	A	V
		5363.96	50.1	-23.9	74	38.56	32.5	13.07	34.03	388	337	P	V
		5350	39.06	-14.94	54	27.52	32.5	13.05	34.01	388	337	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5120.36	61.31	-12.69	74	49.71	32.56	12.69	33.65	207	15	P	H
		5141.44	51.56	-2.44	54	39.99	32.52	12.73	33.68	207	15	A	H
	*	5250	105.36	-	-	93.69	32.6	12.92	33.85	207	15	P	H
	*	5250	96.93	-	-	85.26	32.6	12.92	33.85	207	15	A	H
		5360.4	57.32	-16.68	74	45.77	32.5	13.07	34.02	207	15	P	H
		5351.28	48.82	-5.18	54	37.28	32.5	13.05	34.01	207	15	A	H
		5149.26	59.55	-14.45	74	47.99	32.5	12.75	33.69	391	336	P	V
		5148.92	49.56	-4.44	54	38	32.5	12.75	33.69	391	336	A	V
	*	5250	102.54	-	-	90.87	32.6	12.92	33.85	391	336	P	V
	*	5250	94.7	-	-	83.03	32.6	12.92	33.85	391	336	A	V
		5350.32	54.19	-19.81	74	42.65	32.5	13.05	34.01	391	336	P	V
		5350.08	45.2	-8.8	54	33.66	32.5	13.05	34.01	391	336	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	56.58	-11.62	68.2	57.89	24.3	6.18	31.79	207	15	P	H
		1336	54.51	-19.49	74	55.54	24.44	6.33	31.8	180	50	P	H
		1336	44.56	-9.44	54	45.59	24.44	6.33	31.8	180	50	A	H
		1858	48.51	-19.69	68.2	47.79	25.28	7.48	32.04	207	15	P	H
		7000	64.3	-3.9	68.2	46.89	36.8	16.24	35.63	386	360	P	H
		10500	48.7	-19.5	68.2	31.67	37.2	19.16	39.33	-	-	P	H
		15750	54.52	-19.48	74	34.09	41.5	23.62	44.69	-	-	P	H
		15750	44.78	-9.22	54	24.35	41.5	23.62	44.69	-	-	A	H
													H
													H
													H
													H
		1264	47.65	-20.55	68.2	48.96	24.3	6.18	31.79	391	336	P	V
		1336	54.19	-19.81	74	55.22	24.44	6.33	31.8	203	184	P	V
		1336	46.95	-7.05	54	47.98	24.44	6.33	31.8	203	184	A	V
		1780	46.07	-22.13	68.2	46.05	24.7	7.31	31.99	391	336	P	V
		7000	60.9	-7.3	68.2	43.49	36.8	16.24	35.63	104	326	P	V
		10500	49.42	-18.78	68.2	32.39	37.2	19.16	39.33	-	-	P	V
		15750	54.03	-19.97	74	33.6	41.5	23.62	44.69	-	-	P	V
		15750	44.83	-9.17	54	24.4	41.5	23.62	44.69	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5134.94	63.96	-10.04	74	52.38	32.53	12.72	33.67	201	355	P	H
		5125.32	51.31	-2.69	54	39.72	32.55	12.7	33.66	201	355	A	H
	*	5250	101.94	-	-	90.27	32.6	12.92	33.85	201	355	P	H
	*	5250	95.18	-	-	83.51	32.6	12.92	33.85	201	355	A	H
		5398.99	65.09	-8.91	74	53.55	32.5	13.12	34.08	201	355	P	H
		5398.72	51.24	-2.76	54	39.7	32.5	13.12	34.08	201	355	A	H
		5125.32	62.25	-11.75	74	50.66	32.55	12.7	33.66	400	333	P	V
		5125.32	48.54	-5.46	54	36.95	32.55	12.7	33.66	400	333	A	V
	*	5250	101.9	-	-	90.23	32.6	12.92	33.85	400	333	P	V
	*	5250	93.39	-	-	81.72	32.6	12.92	33.85	400	333	A	V
		5389.27	60.73	-13.27	74	49.19	32.5	13.11	34.07	400	333	P	V
		5398.99	46.59	-7.41	54	35.05	32.5	13.12	34.08	400	333	A	V
802.11ax HE160 Partial 996/S67 CH 50 5250MHz		5126.82	63.7	-10.3	74	52.11	32.55	12.7	33.66	204	356	P	H
		5125.46	50.24	-3.76	54	38.65	32.55	12.7	33.66	204	356	A	H
	*	5250	102.1	-	-	90.43	32.6	12.92	33.85	204	356	P	H
	*	5250	95.21	-	-	83.54	32.6	12.92	33.85	204	356	A	H
		5389.68	63.12	-10.88	74	51.58	32.5	13.11	34.07	204	356	P	H
		5394.72	50.24	-3.76	54	38.71	32.5	13.11	34.08	204	356	A	H
		5124.44	60.45	-13.55	74	48.85	32.55	12.7	33.65	399	334	P	V
		5124.1	47.67	-6.33	54	36.07	32.55	12.7	33.65	399	334	A	V
	*	5250	100.24	-	-	88.57	32.6	12.92	33.85	399	334	P	V
	*	5250	93.02	-	-	81.35	32.6	12.92	33.85	399	334	A	V
		5399.04	59.06	-14.94	74	47.52	32.5	13.12	34.08	399	334	P	V
		5398.8	45.88	-8.12	54	34.34	32.5	13.12	34.08	399	334	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5145.18	52	-22	74	40.44	32.51	12.74	33.69	195	0	P	H
		5149.6	42.17	-11.83	54	30.61	32.5	12.75	33.69	195	0	A	H
	*	5260	119.14	-	-	107.5	32.58	12.93	33.87	195	0	P	H
	*	5260	112.87	-	-	101.23	32.58	12.93	33.87	195	0	A	H
		5351.76	50.48	-23.52	74	38.94	32.5	13.05	34.01	195	0	P	H
		5350.56	41.21	-12.79	54	29.67	32.5	13.05	34.01	195	0	A	H
		5106.08	52.02	-21.98	74	40.4	32.59	12.66	33.63	382	335	P	V
		5106.42	41.92	-12.08	54	30.3	32.59	12.66	33.63	382	335	A	V
	*	5260	117.31	-	-	105.67	32.58	12.93	33.87	382	335	P	V
	*	5260	110.15	-	-	98.51	32.58	12.93	33.87	382	335	A	V
		5458.8	49.71	-24.29	74	38.05	32.65	13.19	34.18	382	335	P	V
		5350.08	40.16	-13.84	54	28.62	32.5	13.05	34.01	382	335	A	V
802.11a CH 60 5300MHz		5140.08	51.93	-22.07	74	40.36	32.52	12.73	33.68	191	0	P	H
		5143.82	42.06	-11.94	54	30.49	32.51	12.74	33.68	191	0	A	H
	*	5300	118.47	-	-	106.91	32.5	12.99	33.93	191	0	P	H
	*	5300	112.3	-	-	100.74	32.5	12.99	33.93	191	0	A	H
		5350.8	57.98	-16.02	74	46.44	32.5	13.05	34.01	191	0	P	H
		5351.52	46.5	-7.5	54	34.96	32.5	13.05	34.01	191	0	A	H
		5098.94	51.74	-22.26	74	40.1	32.6	12.65	33.61	368	334	P	V
		5142.8	41.62	-12.38	54	30.05	32.51	12.74	33.68	368	334	A	V
	*	5300	115.42	-	-	103.86	32.5	12.99	33.93	368	334	P	V
	*	5300	108.98	-	-	97.42	32.5	12.99	33.93	368	334	A	V
		5351.28	57.35	-16.65	74	45.81	32.5	13.05	34.01	368	334	P	V
		5351.04	43.94	-10.06	54	32.4	32.5	13.05	34.01	368	334	A	V

802.11a CH 64 5320MHz	*	5320	117.8	-	-	106.25	32.5	13.01	33.96	202	6	P	H
	*	5320	109.52	-	-	97.97	32.5	13.01	33.96	202	6	A	H
		5350.56	65.93	-8.07	74	54.39	32.5	13.05	34.01	202	6	P	H
		5351.84	51.91	-2.09	54	40.37	32.5	13.05	34.01	202	6	A	H
													H
													H
	*	5320	112.8	-	-	101.25	32.5	13.01	33.96	400	333	P	V
	*	5320	104.56	-	-	93.01	32.5	13.01	33.96	400	333	A	V
		5350.72	60.99	-13.01	74	49.45	32.5	13.05	34.01	400	333	P	V
		5350.24	48.6	-5.4	54	37.06	32.5	13.05	34.01	400	333	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	54.93	-13.27	68.2	56.24	24.3	6.18	31.79	195	0	P	H
		1336	54.82	-19.18	74	55.85	24.44	6.33	31.8	183	57	P	H
		1336	44.15	-9.85	54	45.18	24.44	6.33	31.8	183	57	A	H
		1858	49.3	-18.9	68.2	48.58	25.28	7.48	32.04	195	0	P	H
		7011	63.22	-4.98	68.2	45.8	36.82	16.24	35.64	390	2	P	H
		10520	50.88	-17.32	68.2	33.81	37.24	19.17	39.34	-	-	P	H
		15780	53.47	-20.53	74	33.07	41.5	23.65	44.75	-	-	P	H
		15780	44.72	-9.28	54	24.32	41.5	23.65	44.75	-	-	A	H
													H
													H
													H
													H
		1264	47.29	-20.91	68.2	48.6	24.3	6.18	31.79	382	335	P	V
		1336	54.84	-19.16	74	55.87	24.44	6.33	31.8	195	185	P	V
		1336	47.66	-6.34	54	48.69	24.44	6.33	31.8	195	185	A	V
		1858	47.71	-20.49	68.2	46.99	25.28	7.48	32.04	382	335	P	V
		7011	60.04	-8.16	68.2	42.62	36.82	16.24	35.64	293	310	P	V
		10520	49.16	-19.04	68.2	32.09	37.24	19.17	39.34	-	-	P	V
		15780	53.78	-20.22	74	33.38	41.5	23.65	44.75	-	-	P	V
		15780	44.69	-9.31	54	24.29	41.5	23.65	44.75	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 60 5300MHz		1264	55.14	-13.06	68.2	56.45	24.3	6.18	31.79	191	0	P	H
		1336	53.79	-20.21	74	54.82	24.44	6.33	31.8	174	59	P	H
		1336	44.73	-9.27	54	45.76	24.44	6.33	31.8	174	59	A	H
		1858	49.22	-18.98	68.2	48.5	25.28	7.48	32.04	191	0	P	H
		7066	62.8	-5.4	68.2	45.36	36.87	16.24	35.67	385	2	P	H
		10600	50.55	-23.45	74	33.29	37.4	19.25	39.39	-	-	P	H
		10600	43.16	-10.84	54	25.9	37.4	19.25	39.39	-	-	A	H
		15900	53.62	-20.38	74	33.54	41.3	23.75	44.97	-	-	P	H
		15900	44.64	-9.36	54	24.56	41.3	23.75	44.97	-	-	A	H
													H
													H
													H
		1264	48.75	-19.45	68.2	50.06	24.3	6.18	31.79	368	334	P	V
		1336	54.51	-19.49	74	55.54	24.44	6.33	31.8	201	181	P	V
		1336	46.47	-7.53	54	47.5	24.44	6.33	31.8	201	181	A	V
		1858	45.83	-22.37	68.2	45.11	25.28	7.48	32.04	368	334	P	V
		7066	59.18	-9.02	68.2	41.74	36.87	16.24	35.67	290	311	P	V
		10600	50.41	-23.59	74	33.15	37.4	19.25	39.39	-	-	P	V
		10600	40.78	-13.22	54	23.52	37.4	19.25	39.39	-	-	A	V
		15900	55.34	-18.66	74	35.26	41.3	23.75	44.97	-	-	P	V
		15900	44.52	-9.48	54	24.44	41.3	23.75	44.97	-	-	A	V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		1264	55.63	-12.57	68.2	56.94	24.3	6.18	31.79	202	6	P	H
		1336	54.58	-19.42	74	55.61	24.44	6.33	31.8	173	49	P	H
		1336	44.03	-9.97	54	45.06	24.44	6.33	31.8	173	49	A	H
		1858	52.96	-15.24	68.2	52.24	25.28	7.48	32.04	202	6	P	H
		7093	62.81	-5.39	68.2	45.46	36.81	16.23	35.69	382	1	P	H
		10640	49.49	-24.51	74	32.14	37.48	19.29	39.42	-	-	P	H
		10640	40.95	-13.05	54	23.6	37.48	19.29	39.42	-	-	A	H
		15960	53.11	-20.89	74	33.16	41.22	23.81	45.08	-	-	P	H
		15960	44.14	-9.86	54	24.19	41.22	23.81	45.08	-	-	A	H
													H
													H
													H
		1264	49.47	-18.73	68.2	50.78	24.3	6.18	31.79	400	333	P	V
		1336	53.29	-20.71	74	54.32	24.44	6.33	31.8	192	183	P	V
		1336	47.93	-6.07	54	48.96	24.44	6.33	31.8	192	183	A	V
		1858	47.54	-20.66	68.2	46.82	25.28	7.48	32.04	400	333	P	V
		7093	59.68	-8.52	68.2	42.33	36.81	16.23	35.69	295	309	P	V
		10640	49.52	-24.48	74	32.17	37.48	19.29	39.42	-	-	P	V
		10640	40.8	-13.2	54	23.45	37.48	19.29	39.42	-	-	A	V
		15960	53.04	-20.96	74	33.09	41.22	23.81	45.08	-	-	P	V
		15960	44.25	-9.75	54	24.3	41.22	23.81	45.08	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5082.96	51.29	-22.71	74	39.69	32.57	12.62	33.59	211	0	P	H
		5149.94	41.9	-12.1	54	30.34	32.5	12.75	33.69	211	0	A	H
	*	5260	119.56	-	-	107.92	32.58	12.93	33.87	211	0	P	H
	*	5260	112.67	-	-	101.03	32.58	12.93	33.87	211	0	A	H
		5415.36	51.39	-22.61	74	39.83	32.53	13.14	34.11	211	0	P	H
		5416.32	41.15	-12.85	54	29.59	32.53	13.14	34.11	211	0	A	H
		5063.58	51.64	-22.36	74	40.09	32.53	12.58	33.56	378	334	P	V
		5100.98	41.43	-12.57	54	29.8	32.6	12.65	33.62	378	334	A	V
	*	5260	116.29	-	-	104.65	32.58	12.93	33.87	378	334	P	V
	*	5260	109.78	-	-	98.14	32.58	12.93	33.87	378	334	A	V
		5355.12	50.92	-23.08	74	39.37	32.5	13.06	34.01	378	334	P	V
		5350.32	40.05	-13.95	54	28.51	32.5	13.05	34.01	378	334	A	V
802.11ax HE20 Full CH 60 5300MHz		5120.36	51.33	-22.67	74	39.73	32.56	12.69	33.65	212	0	P	H
		5143.48	41.66	-12.34	54	30.09	32.51	12.74	33.68	212	0	A	H
	*	5300	119.45	-	-	107.89	32.5	12.99	33.93	212	0	P	H
	*	5300	111.95	-	-	100.39	32.5	12.99	33.93	212	0	A	H
		5352.24	64.01	-9.99	74	52.46	32.5	13.06	34.01	212	0	P	H
		5350.08	47.93	-6.07	54	36.39	32.5	13.05	34.01	212	0	A	H
		5001.7	51.29	-22.71	74	39.61	32.69	12.45	33.46	386	334	P	V
		5001.7	41.99	-12.01	54	30.31	32.69	12.45	33.46	386	334	A	V
	*	5300	116.09	-	-	104.53	32.5	12.99	33.93	386	334	P	V
	*	5300	108.78	-	-	97.22	32.5	12.99	33.93	386	334	A	V
		5350.56	56.86	-17.14	74	45.32	32.5	13.05	34.01	386	334	P	V
		5350.08	45.68	-8.32	54	34.14	32.5	13.05	34.01	386	334	A	V

	*	5320	117.59	-	-	106.04	32.5	13.01	33.96	100	360	P	H
	*	5320	109.07	-	-	97.52	32.5	13.01	33.96	100	360	A	H
		5351.04	65.11	-8.89	74	53.57	32.5	13.05	34.01	100	360	P	H
		5350.88	51.29	-2.71	54	39.75	32.5	13.05	34.01	100	360	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5314	113.53	-	-	101.98	32.5	13	33.95	398	331	P	V
5320MHz	*	5320	104.71	-	-	93.16	32.5	13.01	33.96	398	331	A	V
		5350.08	59.89	-14.11	74	48.35	32.5	13.05	34.01	398	331	P	V
		5350.08	48.17	-5.83	54	36.63	32.5	13.05	34.01	398	331	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	54.2	-14	68.2	55.51	24.3	6.18	31.79	211	0	P	H
		1336	54.35	-19.65	74	55.38	24.44	6.33	31.8	184	50	P	H
		1336	44.43	-9.57	54	45.46	24.44	6.33	31.8	184	50	A	H
		1858	53.26	-14.94	68.2	52.54	25.28	7.48	32.04	211	0	P	H
		7013	63.37	-4.83	68.2	45.94	36.83	16.24	35.64	382	360	P	H
		10520	48.71	-19.49	68.2	31.64	37.24	19.17	39.34	-	-	P	H
		15780	53.98	-20.02	74	33.58	41.5	23.65	44.75	-	-	P	H
		15780	44.53	-9.47	54	24.13	41.5	23.65	44.75	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		1264	46.81	-21.39	68.2	48.12	24.3	6.18	31.79	378	334	P	V
5260MHz		1336	53.65	-20.35	74	54.68	24.44	6.33	31.8	201	182	P	V
		1336	47.16	-6.84	54	48.19	24.44	6.33	31.8	201	182	A	V
		1858	45.75	-22.45	68.2	45.03	25.28	7.48	32.04	378	334	P	V
		7013	59.73	-8.47	68.2	42.3	36.83	16.24	35.64	294	312	P	V
		10520	48.53	-19.67	68.2	31.46	37.24	19.17	39.34	-	-	P	V
		15780	54.27	-19.73	74	33.87	41.5	23.65	44.75	-	-	P	V
		15780	44.47	-9.53	54	24.07	41.5	23.65	44.75	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	54.92	-13.28	68.2	56.23	24.3	6.18	31.79	212	0	P	H
		1336	54.7	-19.3	74	55.73	24.44	6.33	31.8	177	56	P	H
		1336	44.31	-9.69	54	45.34	24.44	6.33	31.8	177	56	A	H
		1858	51.25	-16.95	68.2	50.53	25.28	7.48	32.04	212	0	P	H
		7066	63.08	-5.12	68.2	45.64	36.87	16.24	35.67	385	1	P	H
		10600	48.53	-25.47	74	31.27	37.4	19.25	39.39	-	-	P	H
		10600	40.61	-13.39	54	23.35	37.4	19.25	39.39	-	-	A	H
		15900	52.75	-21.25	74	32.67	41.3	23.75	44.97	-	-	P	H
		15900	44.2	-9.8	54	24.12	41.3	23.75	44.97	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 60		1264	49.58	-18.62	68.2	50.89	24.3	6.18	31.79	386	334	P	V
5300MHz		1336	53.32	-20.68	74	54.35	24.44	6.33	31.8	200	179	P	V
		1336	46.4	-7.6	54	47.43	24.44	6.33	31.8	200	179	A	V
		1858	46.66	-21.54	68.2	45.94	25.28	7.48	32.04	386	334	P	V
		7066	59.25	-8.95	68.2	41.81	36.87	16.24	35.67	290	310	P	V
		10600	48.54	-25.46	74	31.28	37.4	19.25	39.39	-	-	P	V
		10600	40.46	-13.54	54	23.2	37.4	19.25	39.39	-	-	A	V
		15900	52.64	-21.36	74	32.56	41.3	23.75	44.97	-	-	P	V
		15900	44.31	-9.69	54	24.23	41.3	23.75	44.97	-	-	A	V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	54.77	-13.43	68.2	56.08	24.3	6.18	31.79	100	360	P	H
		1336	55.18	-18.82	74	56.21	24.44	6.33	31.8	174	58	P	H
		1336	44.74	-9.26	54	45.77	24.44	6.33	31.8	174	58	A	H
		2152	46.74	-21.46	68.2	44.47	26.4	8.08	32.21	100	360	P	H
		7093	62.73	-5.47	68.2	45.38	36.81	16.23	35.69	379	3	P	H
		10640	50.22	-23.78	74	32.87	37.48	19.29	39.42	-	-	P	H
		10640	40.77	-13.23	54	23.42	37.48	19.29	39.42	-	-	A	H
		15960	52.58	-21.42	74	32.63	41.22	23.81	45.08	-	-	P	H
		15960	44.25	-9.75	54	24.3	41.22	23.81	45.08	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 64		1264	47.78	-20.42	68.2	49.09	24.3	6.18	31.79	398	331	P	V
5320MHz		1336	53.04	-20.96	74	54.07	24.44	6.33	31.8	199	181	P	V
		1336	46.67	-7.33	54	47.7	24.44	6.33	31.8	199	181	A	V
		1858	46.83	-21.37	68.2	46.11	25.28	7.48	32.04	398	331	P	V
		7093	59.25	-8.95	68.2	41.9	36.81	16.23	35.69	297	309	P	V
		10640	49.86	-24.14	74	32.51	37.48	19.29	39.42	-	-	P	V
		10640	40.42	-13.58	54	23.07	37.48	19.29	39.42	-	-	A	V
		15960	53.5	-20.5	74	33.55	41.22	23.81	45.08	-	-	P	V
		15960	44.04	-9.96	54	24.09	41.22	23.81	45.08	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz	*	5320	121.5	-	-	109.95	32.5	13.01	33.96	197	358	P	H
	*	5320	114.12	-	-	102.57	32.5	13.01	33.96	197	358	A	H
		5350.08	70.94	-3.06	74	59.4	32.5	13.05	34.01	197	358	P	H
		5350.08	49.88	-4.12	54	38.34	32.5	13.05	34.01	197	358	A	H
													H
													H
	*	5320	118.01	-	-	106.46	32.5	13.01	33.96	379	333	P	V
	*	5320	110.96	-	-	99.41	32.5	13.01	33.96	379	333	A	V
		5350.24	64.09	-9.91	74	52.55	32.5	13.05	34.01	379	333	P	V
		5350.08	46.44	-7.56	54	34.9	32.5	13.05	34.01	379	333	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5149.6	55.6	-18.4	74	44.04	32.5	12.75	33.69	197	0	P	H
		5149.94	45.33	-8.67	54	33.77	32.5	12.75	33.69	197	0	A	H
	*	5270	117.47	-	-	105.85	32.56	12.94	33.88	197	0	P	H
	*	5270	109.62	-	-	98	32.56	12.94	33.88	197	0	A	H
		5350.56	62.69	-11.31	74	51.15	32.5	13.05	34.01	197	0	P	H
		5351.04	52.2	-1.8	54	40.66	32.5	13.05	34.01	197	0	A	H
		5148.92	55.65	-18.35	74	44.09	32.5	12.75	33.69	197	326	P	V
		5149.94	44.41	-9.59	54	32.85	32.5	12.75	33.69	197	326	A	V
	*	5270	113.62	-	-	102	32.56	12.94	33.88	197	326	P	V
	*	5270	106.03	-	-	94.41	32.56	12.94	33.88	197	326	A	V
		5350.32	60.27	-13.73	74	48.73	32.5	13.05	34.01	197	326	P	V
		5350.32	48.71	-5.29	54	37.17	32.5	13.05	34.01	197	326	A	V
802.11ax HE40 Full CH 62 5310MHz		5126.48	51.31	-22.69	74	39.72	32.55	12.7	33.66	300	9	P	H
		5140.08	41.09	-12.91	54	29.52	32.52	12.73	33.68	300	9	A	H
	*	5310	111.6	-	-	100.04	32.5	13	33.94	300	9	P	H
	*	5310	104.29	-	-	92.73	32.5	13	33.94	300	9	A	H
		5350.08	61.48	-12.52	74	49.94	32.5	13.05	34.01	300	9	P	H
		5350.08	47.98	-6.02	54	36.44	32.5	13.05	34.01	300	9	A	H
		5111.52	51.28	-22.72	74	39.66	32.58	12.67	33.63	390	329	P	V
		5149.6	41.06	-12.94	54	29.5	32.5	12.75	33.69	390	329	A	V
	*	5310	110.02	-	-	98.46	32.5	13	33.94	390	329	P	V
	*	5310	101.36	-	-	89.8	32.5	13	33.94	390	329	A	V
		5350.08	53.61	-20.39	74	42.07	32.5	13.05	34.01	390	329	P	V
		5350.08	44.66	-9.34	54	33.12	32.5	13.05	34.01	390	329	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	54.9	-13.3	68.2	56.21	24.3	6.18	31.79	197	0	P	H
		1336	55.52	-18.48	74	56.55	24.44	6.33	31.8	182	57	P	H
		1336	43.78	-10.22	54	44.81	24.44	6.33	31.8	182	57	A	H
		1858	48.97	-19.23	68.2	48.25	25.28	7.48	32.04	197	0	P	H
		7022	63.4	-4.8	68.2	45.96	36.84	16.24	35.64	393	3	P	H
		10540	50.13	-18.07	68.2	33.01	37.28	19.19	39.35	-	-	P	H
		15810	53.96	-20.04	74	33.6	41.48	23.68	44.8	-	-	P	H
		15810	44.88	-9.12	54	24.52	41.48	23.68	44.8	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		1264	47.27	-20.93	68.2	48.58	24.3	6.18	31.79	197	326	P	V
5270MHz		1336	53.96	-20.04	74	54.99	24.44	6.33	31.8	203	181	P	V
		1336	45.89	-8.11	54	46.92	24.44	6.33	31.8	203	181	A	V
		1786	44.87	-23.33	68.2	44.79	24.76	7.32	32	197	326	P	V
		7022	59.06	-9.14	68.2	41.62	36.84	16.24	35.64	297	309	P	V
		10540	49.64	-18.56	68.2	32.52	37.28	19.19	39.35	-	-	P	V
		15810	55.2	-18.8	74	34.84	41.48	23.68	44.8	-	-	P	V
		15810	44.74	-9.26	54	24.38	41.48	23.68	44.8	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	48.84	-19.36	68.2	50.15	24.3	6.18	31.79	300	9	P	H
		1336	54.9	-19.1	74	55.93	24.44	6.33	31.8	182	49	P	H
		1336	44.89	-9.11	54	45.92	24.44	6.33	31.8	182	49	A	H
		1858	51.52	-16.68	68.2	50.8	25.28	7.48	32.04	300	9	P	H
		7080	63.93	-4.27	68.2	46.54	36.84	16.23	35.68	385	360	P	H
		10620	50.12	-23.88	74	32.81	37.44	19.27	39.4	-	-	P	H
		10620	40.58	-13.42	54	23.27	37.44	19.27	39.4	-	-	A	H
		15930	53.52	-20.48	74	33.53	41.24	23.78	45.03	-	-	P	H
		15930	44.35	-9.65	54	24.36	41.24	23.78	45.03	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 62		1264	46.45	-21.75	68.2	47.76	24.3	6.18	31.79	390	329	P	V
5310MHz		1336	54.04	-19.96	74	55.07	24.44	6.33	31.8	199	181	P	V
		1336	47.12	-6.88	54	48.15	24.44	6.33	31.8	199	181	A	V
		1780	42.86	-25.34	68.2	42.84	24.7	7.31	31.99	390	329	P	V
		7080	60.4	-7.8	68.2	43.01	36.84	16.23	35.68	400	314	P	V
		10620	49.67	-24.33	74	32.36	37.44	19.27	39.4	-	-	P	V
		10620	40.52	-13.48	54	23.21	37.44	19.27	39.4	-	-	A	V
		15930	53.96	-20.04	74	33.97	41.24	23.78	45.03	-	-	P	V
		15930	44.39	-9.61	54	24.4	41.24	23.78	45.03	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5093.16	52.74	-21.26	74	41.12	32.59	12.64	33.61	203	355	P	H
		5149.94	41.35	-12.65	54	29.79	32.5	12.75	33.69	203	355	A	H
	*	5310	111.91	-	-	100.35	32.5	13	33.94	203	355	P	H
	*	5310	105.66	-	-	94.1	32.5	13	33.94	203	355	A	H
		5364.96	72.31	-1.69	74	60.77	32.5	13.07	34.03	203	355	P	H
		5350.08	51.18	-2.82	54	39.64	32.5	13.05	34.01	203	355	A	H
		5107.44	51.39	-22.61	74	39.77	32.59	12.66	33.63	397	341	P	V
		5011.56	41.12	-12.88	54	29.48	32.65	12.47	33.48	397	341	A	V
	*	5310	109.49	-	-	97.93	32.5	13	33.94	397	341	P	V
	*	5310	100.95	-	-	89.39	32.5	13	33.94	397	341	A	V
		5353.92	66.24	-7.76	74	54.69	32.5	13.06	34.01	397	341	P	V
		5350.08	48.2	-5.8	54	36.66	32.5	13.05	34.01	397	341	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5149.26	51.88	-22.12	74	40.32	32.5	12.75	33.69	297	9	P	H
		5149.94	42.26	-11.74	54	30.7	32.5	12.75	33.69	297	9	A	H
	*	5290	109.91	-	-	98.33	32.52	12.97	33.91	297	9	P	H
	*	5290	101.46	-	-	89.88	32.52	12.97	33.91	297	9	A	H
		5360.88	63.58	-10.42	74	52.03	32.5	13.07	34.02	297	9	P	H
		5350.32	51.42	-2.58	54	39.88	32.5	13.05	34.01	297	9	A	H
		5149.6	52.62	-21.38	74	41.06	32.5	12.75	33.69	396	331	P	V
		5149.26	41.97	-12.03	54	30.41	32.5	12.75	33.69	396	331	A	V
	*	5290	106.37	-	-	94.79	32.52	12.97	33.91	396	331	P	V
	*	5290	98.28	-	-	86.7	32.52	12.97	33.91	396	331	A	V
		5383.92	56.79	-17.21	74	45.25	32.5	13.1	34.06	396	331	P	V
		5350.08	47.28	-6.72	54	35.74	32.5	13.05	34.01	396	331	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	49.46	-18.74	68.2	50.77	24.3	6.18	31.79	297	9	P	H
		1336	54.2	-19.8	74	55.23	24.44	6.33	31.8	180	51	P	H
		1336	44.67	-9.33	54	45.7	24.44	6.33	31.8	180	51	A	H
		1858	51.25	-16.95	68.2	50.53	25.28	7.48	32.04	297	9	P	H
		7053	63.91	-4.29	68.2	46.46	36.89	16.23	35.67	385	360	P	H
		10580	49.44	-18.76	68.2	32.23	37.36	19.23	39.38	-	-	P	H
		15870	55.7	-18.3	74	35.53	41.36	23.73	44.92	-	-	P	H
		15870	44.62	-9.38	54	24.45	41.36	23.73	44.92	-	-	A	H
													H
													H
													H
													H
		1264	46.37	-21.83	68.2	47.68	24.3	6.18	31.79	396	331	P	V
		1336	53.35	-20.65	74	54.38	24.44	6.33	31.8	200	182	P	V
		1336	47.09	-6.91	54	48.12	24.44	6.33	31.8	200	182	A	V
		1780	44.42	-23.78	68.2	44.4	24.7	7.31	31.99	396	331	P	V
		7053	60.68	-7.52	68.2	43.23	36.89	16.23	35.67	107	327	P	V
		10580	48.82	-19.38	68.2	31.61	37.36	19.23	39.38	-	-	P	V
		15870	53.16	-20.84	74	32.99	41.36	23.73	44.92	-	-	P	V
		15870	44.63	-9.37	54	24.46	41.36	23.73	44.92	-	-	A	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5133.96	55.47	-18.53	74	43.89	32.53	12.72	33.67	196	356	P	H
		5149.94	42.32	-11.68	54	30.76	32.5	12.75	33.69	196	356	A	H
	*	5290	110.66	-	-	99.08	32.52	12.97	33.91	196	356	P	H
	*	5290	102.54	-	-	90.96	32.52	12.97	33.91	196	356	A	H
		5383.68	68.78	-5.22	74	57.24	32.5	13.1	34.06	196	356	P	H
		5384.16	50.48	-3.52	54	38.94	32.5	13.1	34.06	196	356	A	H
		5128.18	53.14	-20.86	74	41.55	32.54	12.71	33.66	393	334	P	V
		5149.94	41.84	-12.16	54	30.28	32.5	12.75	33.69	393	334	A	V
	*	5290	106.69	-	-	95.11	32.52	12.97	33.91	393	334	P	V
	*	5290	98.76	-	-	87.18	32.52	12.97	33.91	393	334	A	V
		5363.04	65.95	-8.05	74	54.41	32.5	13.07	34.03	393	334	P	V
		5369.52	45.62	-8.38	54	34.08	32.5	13.08	34.04	393	334	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.98	61.43	-12.57	74	49.76	32.66	13.19	34.18	175	0	P	H
		5467.92	64.4	-3.8	68.2	52.68	32.71	13.2	34.19	175	0	P	H
		5459.12	47.37	-6.63	54	35.71	32.65	13.19	34.18	175	0	A	H
	*	5500	115	-	-	103.1	32.9	13.24	34.24	175	0	P	H
	*	5500	109.36	-	-	97.46	32.9	13.24	34.24	175	0	A	H
													H
		5459.92	57.82	-16.18	74	46.15	32.66	13.19	34.18	100	329	P	V
		5467.76	59.21	-8.99	68.2	47.49	32.71	13.2	34.19	100	329	P	V
		5460	44.38	-9.62	54	32.71	32.66	13.19	34.18	100	329	A	V
	*	5500	111.76	-	-	99.86	32.9	13.24	34.24	100	329	P	V
	*	5500	105.05	-	-	93.15	32.9	13.24	34.24	100	329	A	V
													V
802.11a CH 116 5580MHz		5442.16	49.3	-24.7	74	37.7	32.58	13.17	34.15	179	6	P	H
		5470	49.59	-18.61	68.2	37.85	32.72	13.21	34.19	179	6	P	H
		5459.92	40.27	-13.73	54	28.6	32.66	13.19	34.18	179	6	A	H
	*	5580	118	-	-	105.75	33.2	13.35	34.3	179	6	P	H
	*	5580	112.27	-	-	100.02	33.2	13.35	34.3	179	6	A	H
		5763.11	51.71	-16.49	68.2	38.54	34	13.61	34.44	179	6	P	H
		5452.96	48.65	-25.35	74	37.01	32.62	13.19	34.17	305	311	P	V
		5464.24	48.09	-20.11	68.2	36.38	32.69	13.2	34.18	305	311	P	V
		5459.92	39.31	-14.69	54	27.64	32.66	13.19	34.18	305	311	A	V
	*	5580	113.63	-	-	101.38	33.2	13.35	34.3	305	311	P	V
	*	5580	107.57	-	-	95.32	33.2	13.35	34.3	305	311	A	V
		5759.645	50.41	-17.79	68.2	37.24	34	13.61	34.44	305	311	P	V

802.11a CH 140 5700MHz	*	5700	117.35	-	-	104.52	33.7	13.52	34.39	281	0	P	H
	*	5700	110.86	-	-	98.03	33.7	13.52	34.39	281	0	A	H
		5725	66.09	-2.11	68.2	53.09	33.85	13.56	34.41	281	0	P	H
													H
													H
													H
	*	5700	113.06	-	-	100.23	33.7	13.52	34.39	400	95	P	V
	*	5700	106.1	-	-	93.27	33.7	13.52	34.39	400	95	A	V
		5725.96	62.84	-5.36	68.2	49.83	33.86	13.56	34.41	400	95	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	55.46	-12.74	68.2	56.77	24.3	6.18	31.79	175	0	P	H
		1336	54.49	-19.51	74	55.52	24.44	6.33	31.8	176	53	P	H
		1336	44.3	-9.7	54	45.33	24.44	6.33	31.8	176	53	A	H
		1858	45.12	-23.08	68.2	44.4	25.28	7.48	32.04	175	0	P	H
		5758	54.86	-13.34	68.2	41.69	34	13.61	34.44	175	0	P	H
		11000	50.1	-23.9	74	32.18	37.9	19.66	39.64	-	-	P	H
		11000	40.89	-13.11	54	22.97	37.9	19.66	39.64	-	-	A	H
		16500	53.95	-14.25	68.2	34.22	41.2	24.19	45.66	-	-	P	H
													H
													H
													H
													H
		1264	48.1	-20.1	68.2	49.41	24.3	6.18	31.79	100	329	P	V
		1336	53	-21	74	54.03	24.44	6.33	31.8	201	189	P	V
		1336	47.52	-6.48	54	48.55	24.44	6.33	31.8	201	189	A	V
		1780	44.17	-24.03	68.2	44.15	24.7	7.31	31.99	100	329	P	V
		5758	51.61	-16.59	68.2	38.44	34	13.61	34.44	100	329	P	V
		11000	50.48	-23.52	74	32.56	37.9	19.66	39.64	-	-	P	V
		11000	40.94	-13.06	54	23.02	37.9	19.66	39.64	-	-	A	V
		16500	53.18	-15.02	68.2	33.45	41.2	24.19	45.66	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		1264	57.71	-10.49	68.2	59.02	24.3	6.18	31.79	179	6	P	H
		1336	53.86	-20.14	74	54.89	24.44	6.33	31.8	180	54	P	H
		1336	44.42	-9.58	54	45.45	24.44	6.33	31.8	180	54	A	H
		1780	47.37	-20.83	68.2	47.35	24.7	7.31	31.99	179	6	P	H
		11160	51.16	-22.84	74	32.76	38.34	19.81	39.75	-	-	P	H
		11160	41.08	-12.92	54	22.68	38.34	19.81	39.75	-	-	A	H
		16740	54.17	-14.03	68.2	34.67	40.98	24.35	45.83	-	-	P	H
													H
													H
													H
													H
													H
		1264	42.86	-25.34	68.2	44.17	24.3	6.18	31.79	305	311	P	V
		1336	53.49	-20.51	74	54.52	24.44	6.33	31.8	199	184	P	V
		1336	46.47	-7.53	54	47.5	24.44	6.33	31.8	199	184	A	V
		1858	44.31	-23.89	68.2	43.59	25.28	7.48	32.04	305	311	P	V
		11160	50.08	-23.92	74	31.68	38.34	19.81	39.75	-	-	P	V
		11160	41.23	-12.77	54	22.83	38.34	19.81	39.75	-	-	A	V
		16740	53.67	-14.53	68.2	34.17	40.98	24.35	45.83	-	-	P	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		1264	47.5	-20.7	68.2	48.81	24.3	6.18	31.79	281	0	P	H
		1336	55.18	-18.82	74	56.21	24.44	6.33	31.8	183	56	P	H
		1336	43.84	-10.16	54	44.87	24.44	6.33	31.8	183	56	A	H
		1780	51.86	-16.34	68.2	51.84	24.7	7.31	31.99	281	0	P	H
		11400	50.98	-23.02	74	31.85	39	20.04	39.91	-	-	P	H
		11400	41.66	-12.34	54	22.53	39	20.04	39.91	-	-	A	H
		17100	53.22	-14.98	68.2	34.04	40.7	24.61	46.13	-	-	P	H
													H
													H
													H
													H
													H
		1264	46.17	-22.03	68.2	47.48	24.3	6.18	31.79	400	95	P	V
		1336	53.93	-20.07	74	54.96	24.44	6.33	31.8	201	182	P	V
		1336	47.12	-6.88	54	48.15	24.44	6.33	31.8	201	182	A	V
		1786	40.3	-27.9	68.2	40.22	24.76	7.32	32	400	95	P	V
		11400	51.27	-22.73	74	32.14	39	20.04	39.91	-	-	P	V
		11400	41.74	-12.26	54	22.61	39	20.04	39.91	-	-	A	V
		17100	53.4	-14.8	68.2	34.22	40.7	24.61	46.13	-	-	P	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5457.2	58.67	-15.33	74	47.01	32.64	13.19	34.17	191	6	P	H
		5467.44	64.29	-3.91	68.2	52.58	32.7	13.2	34.19	191	6	P	H
		5460	47.99	-6.01	54	36.32	32.66	13.19	34.18	191	6	A	H
	*	5500	116.29	-	-	104.39	32.9	13.24	34.24	191	6	P	H
	*	5500	109.2	-	-	97.3	32.9	13.24	34.24	191	6	A	H
		5459.98	55.12	-18.88	74	43.45	32.66	13.19	34.18	400	52	P	V
		5469.68	61.58	-6.62	68.2	49.84	32.72	13.21	34.19	400	52	P	V
		5460	44	-10	54	32.33	32.66	13.19	34.18	400	52	A	V
	*	5500	113.73	-	-	101.83	32.9	13.24	34.24	400	52	P	V
	*	5500	104.1	-	-	92.2	32.9	13.24	34.24	400	52	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5374.48	49.58	-24.42	74	38.03	32.5	13.09	34.04	175	6	P	H
		5461.84	48.81	-19.39	68.2	37.12	32.67	13.2	34.18	175	6	P	H
		5459.68	40.2	-13.8	54	28.53	32.66	13.19	34.18	175	6	A	H
	*	5580	119.96	-	-	107.71	33.2	13.35	34.3	175	6	P	H
	*	5580	112.16	-	-	99.91	33.2	13.35	34.3	175	6	A	H
		5731.295	52.32	-15.88	68.2	39.28	33.89	13.57	34.42	175	6	P	H
		5456.32	49.14	-24.86	74	37.48	32.64	13.19	34.17	302	311	P	V
		5460.64	47.33	-20.87	68.2	35.65	32.66	13.2	34.18	302	311	P	V
		5459.92	39.31	-14.69	54	27.64	32.66	13.19	34.18	302	311	A	V
	*	5580	113.44	-	-	101.19	33.2	13.35	34.3	302	311	P	V
	*	5580	106.72	-	-	94.47	33.2	13.35	34.3	302	311	A	V
		5726.57	50.24	-17.96	68.2	37.23	33.86	13.56	34.41	302	311	P	V

802.11ax HE20 Full CH 140 5700MHz	*	5700	118.12	-	-	105.29	33.7	13.52	34.39	157	360	P	H
	*	5700	109.06	-	-	96.23	33.7	13.52	34.39	157	360	A	H
		5725.56	65.15	-3.05	68.2	52.15	33.85	13.56	34.41	157	360	P	H
													H
													H
													H
	*	5700	110.39	-	-	97.56	33.7	13.52	34.39	300	332	P	V
	*	5700	103.19	-	-	90.36	33.7	13.52	34.39	300	332	A	V
		5725.72	58.3	-9.9	68.2	45.3	33.85	13.56	34.41	300	332	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	55.64	-12.56	68.2	56.95	24.3	6.18	31.79	191	6	P	H
		1336	55.51	-18.49	74	56.54	24.44	6.33	31.8	175	51	P	H
		1336	43.84	-10.16	54	44.87	24.44	6.33	31.8	175	51	A	H
		1858	51.04	-17.16	68.2	50.32	25.28	7.48	32.04	191	6	P	H
		11000	49.36	-24.64	74	31.44	37.9	19.66	39.64	-	-	P	H
		11000	40.87	-13.13	54	22.95	37.9	19.66	39.64	-	-	A	H
		16500	53.48	-14.72	68.2	33.75	41.2	24.19	45.66	-	-	P	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		1264	49.23	-18.97	68.2	50.54	24.3	6.18	31.79	400	52	P	V
5500MHz		1336	53.91	-20.09	74	54.94	24.44	6.33	31.8	201	182	P	V
		1336	47.01	-6.99	54	48.04	24.44	6.33	31.8	201	182	A	V
		1858	44.37	-23.83	68.2	43.65	25.28	7.48	32.04	400	52	P	V
		11000	50.54	-23.46	74	32.62	37.9	19.66	39.64	-	-	P	V
		11000	40.92	-13.08	54	23	37.9	19.66	39.64	-	-	A	V
		16500	53.25	-14.95	68.2	33.52	41.2	24.19	45.66	-	-	P	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	55.4	-12.8	68.2	56.71	24.3	6.18	31.79	175	6	P	H
		1336	54.59	-19.41	74	55.62	24.44	6.33	31.8	173	52	P	H
		1336	43.56	-10.44	54	44.59	24.44	6.33	31.8	173	52	A	H
		1780	47.39	-20.81	68.2	47.37	24.7	7.31	31.99	175	6	P	H
		7803	56.61	-11.59	68.2	39.15	37.1	16.71	36.35	200	353	P	H
		11160	50.56	-23.44	74	32.16	38.34	19.81	39.75	-	-	P	H
		11160	41.34	-12.66	54	22.94	38.34	19.81	39.75	-	-	A	H
		16740	53	-15.2	68.2	33.5	40.98	24.35	45.83	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		1264	43.52	-24.68	68.2	44.83	24.3	6.18	31.79	302	311	P	V
5580MHz		1336	53.85	-20.15	74	54.88	24.44	6.33	31.8	194	182	P	V
		1336	46.76	-7.24	54	47.79	24.44	6.33	31.8	194	182	A	V
		1858	42.91	-25.29	68.2	42.19	25.28	7.48	32.04	302	311	P	V
		7814	56.84	-11.36	68.2	39.38	37.1	16.72	36.36	400	323	P	V
		11160	50.84	-23.16	74	32.44	38.34	19.81	39.75	-	-	P	V
		11160	41.41	-12.59	54	23.01	38.34	19.81	39.75	-	-	A	V
		16740	54.23	-13.97	68.2	34.73	40.98	24.35	45.83	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 140 5700MHz		1264	54.75	-13.45	68.2	56.06	24.3	6.18	31.79	157	360	P	H
		1336	54.37	-19.63	74	55.4	24.44	6.33	31.8	176	58	P	H
		1336	45.06	-8.94	54	46.09	24.44	6.33	31.8	176	58	A	H
		2152	45.24	-22.96	68.2	42.97	26.4	8.08	32.21	157	360	P	H
		11400	51.04	-22.96	74	31.91	39	20.04	39.91	-	-	P	H
		11400	42.09	-11.91	54	22.96	39	20.04	39.91	-	-	A	H
		17100	53.29	-14.91	68.2	34.11	40.7	24.61	46.13	-	-	P	H
													H
													H
													H
													H
													H
		1264	49.03	-19.17	68.2	50.34	24.3	6.18	31.79	300	332	P	V
		1336	54.37	-19.63	74	55.4	24.44	6.33	31.8	193	183	P	V
		1336	47.88	-6.12	54	48.91	24.44	6.33	31.8	193	183	A	V
		1780	50.31	-17.89	68.2	50.29	24.7	7.31	31.99	300	332	P	V
		11400	52	-22	74	32.87	39	20.04	39.91	-	-	P	V
		11400	41.98	-12.02	54	22.85	39	20.04	39.91	-	-	A	V
		17100	54.59	-13.61	68.2	35.41	40.7	24.61	46.13	-	-	P	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5458.32	55.65	-18.35	74	43.98	32.65	13.19	34.17	201	353	P	H
		5469.84	65.52	-2.68	68.2	53.78	32.72	13.21	34.19	201	353	P	H
		5460	44.01	-9.99	54	32.34	32.66	13.19	34.18	201	353	A	H
	*	5500	117.24	-	-	105.34	32.9	13.24	34.24	201	353	P	H
	*	5500	111.2	-	-	99.3	32.9	13.24	34.24	201	353	A	H
													H
		5441.36	51.97	-22.03	74	40.37	32.58	13.17	34.15	363	305	P	V
		5469.68	61.55	-6.65	68.2	49.81	32.72	13.21	34.19	363	305	P	V
		5459.76	40.72	-13.28	54	29.05	32.66	13.19	34.18	363	305	A	V
	*	5500	111.76	-	-	99.86	32.9	13.24	34.24	363	305	P	V
	*	5494	105.65	-	-	93.78	32.86	13.24	34.23	363	305	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	114.37	-	-	101.54	33.7	13.52	34.39	208	357	P	H
	*	5700	107.6	-	-	94.77	33.7	13.52	34.39	208	357	A	H
		5725.88	64.24	-3.96	68.2	51.23	33.86	13.56	34.41	208	357	P	H
													H
													H
													H
	*	5700	111.1	-	-	98.27	33.7	13.52	34.39	298	331	P	V
	*	5700	103.53	-	-	90.7	33.7	13.52	34.39	298	331	A	V
		5727.96	60.12	-8.08	68.2	47.1	33.87	13.56	34.41	298	331	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5455.84	59	-15	74	47.34	32.64	13.19	34.17	246	360	P	H
		5466.16	64.25	-3.95	68.2	52.54	32.7	13.2	34.19	246	360	P	H
		5457.76	49.34	-4.66	54	37.67	32.65	13.19	34.17	246	360	A	H
	*	5510	113.07	-	-	101.1	32.96	13.26	34.25	246	360	P	H
	*	5510	105.45	-	-	93.48	32.96	13.26	34.25	246	360	A	H
		5760.275	56.07	-12.13	68.2	42.9	34	13.61	34.44	246	360	P	H
		5457.76	55.16	-18.84	74	43.49	32.65	13.19	34.17	346	310	P	V
		5468.8	58.11	-10.09	68.2	46.38	32.71	13.21	34.19	346	310	P	V
		5457.04	45.26	-8.74	54	33.6	32.64	13.19	34.17	346	310	A	V
	*	5510	107.07	-	-	95.1	32.96	13.26	34.25	346	310	P	V
	*	5510	99.42	-	-	87.45	32.96	13.26	34.25	346	310	A	V
		5760.275	52.98	-15.22	68.2	39.81	34	13.61	34.44	346	310	P	V
802.11ax HE40 Full CH 110 5550MHz		5458.24	61.26	-12.74	74	49.59	32.65	13.19	34.17	251	3	P	H
		5469.76	65.4	-2.8	68.2	53.66	32.72	13.21	34.19	251	3	P	H
		5457.76	50.19	-3.81	54	38.52	32.65	13.19	34.17	251	3	A	H
	*	5550	116.9	-	-	104.67	33.2	13.31	34.28	251	3	P	H
	*	5550	108.94	-	-	96.71	33.2	13.31	34.28	251	3	A	H
		5759.96	56.39	-11.81	68.2	43.22	34	13.61	34.44	251	3	P	H
		5459.2	57.76	-16.24	74	46.09	32.66	13.19	34.18	100	330	P	V
		5470	61.46	-6.74	68.2	49.72	32.72	13.21	34.19	100	330	P	V
		5459.92	46.12	-7.88	54	34.45	32.66	13.19	34.18	100	330	A	V
	*	5550	111.68	-	-	99.45	33.2	13.31	34.28	100	330	P	V
	*	5550	103.83	-	-	91.6	33.2	13.31	34.28	100	330	A	V
		5730.98	52.18	-16.02	68.2	39.14	33.89	13.57	34.42	100	330	P	V

802.11ax HE40 Full CH 134 5670MHz		5375.2	49.64	-24.36	74	38.1	32.5	13.09	34.05	161	360	P	H
		5468.65	49.4	-18.8	68.2	37.67	32.71	13.21	34.19	161	360	P	H
		5369.95	40.23	-13.77	54	28.69	32.5	13.08	34.04	161	360	A	H
	*	5670	114.91	-	-	102.22	33.58	13.48	34.37	161	360	P	H
	*	5670	106.88	-	-	94.19	33.58	13.48	34.37	161	360	A	H
		5725.625	64.91	-3.29	68.2	51.91	33.85	13.56	34.41	161	360	P	H
		5409.5	49.21	-24.79	74	37.66	32.52	13.13	34.1	102	36	P	V
		5463.75	48.67	-19.53	68.2	36.97	32.68	13.2	34.18	102	36	P	V
		5457.1	39.22	-14.78	54	27.56	32.64	13.19	34.17	102	36	A	V
	*	5670	112.8	-	-	100.11	33.58	13.48	34.37	102	36	P	V
	*	5670	102.06	-	-	89.37	33.58	13.48	34.37	102	36	A	V
		5726.675	60.65	-7.55	68.2	47.64	33.86	13.56	34.41	102	36	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	54.07	-14.13	68.2	55.38	24.3	6.18	31.79	246	360	P	H
		1336	53.87	-20.13	74	54.9	24.44	6.33	31.8	181	57	P	H
		1336	43.63	-10.37	54	44.66	24.44	6.33	31.8	181	57	A	H
		1858	51.35	-16.85	68.2	50.63	25.28	7.48	32.04	246	360	P	H
		11020	51.17	-22.83	74	33.15	37.98	19.69	39.65	-	-	P	H
		11020	40.47	-13.53	54	22.45	37.98	19.69	39.65	-	-	A	H
		16530	51.96	-16.24	68.2	32.23	41.2	24.21	45.68	-	-	P	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		1264	46.43	-21.77	68.2	47.74	24.3	6.18	31.79	346	310	P	V
5510MHz		1336	53.38	-20.62	74	54.41	24.44	6.33	31.8	201	181	P	V
		1336	46.49	-7.51	54	47.52	24.44	6.33	31.8	201	181	A	V
		1780	43.71	-24.49	68.2	43.69	24.7	7.31	31.99	346	310	P	V
		11020	50.81	-23.19	74	32.79	37.98	19.69	39.65	-	-	P	V
		11020	40.42	-13.58	54	22.4	37.98	19.69	39.65	-	-	A	V
		16530	51.93	-16.27	68.2	32.2	41.2	24.21	45.68	-	-	P	V
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WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	55.89	-12.31	68.2	57.2	24.3	6.18	31.79	251	3	P	H
		1336	55.51	-18.49	74	56.54	24.44	6.33	31.8	175	52	P	H
		1336	45.58	-8.42	54	46.61	24.44	6.33	31.8	175	52	A	H
		1858	54.02	-14.18	68.2	53.3	25.28	7.48	32.04	251	3	P	H
		11100	50.55	-23.45	74	32.3	38.2	19.76	39.71	-	-	P	H
		11100	40.76	-13.24	54	22.51	38.2	19.76	39.71	-	-	A	H
		16650	52.26	-15.94	68.2	32.84	40.9	24.29	45.77	-	-	P	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		1264	53.17	-15.03	68.2	54.48	24.3	6.18	31.79	199	183	P	V
5550MHz		1264	47.09	-6.91	54	48.4	24.3	6.18	31.79	199	183	A	V
		1336	46.46	-27.54	74	47.49	24.44	6.33	31.8	100	330	P	V
		2302	50.03	-18.17	68.2	46.97	27	8.36	32.3	100	330	P	V
		11100	51.74	-22.26	74	33.49	38.2	19.76	39.71	-	-	P	V
		11100	40.63	-13.37	54	22.38	38.2	19.76	39.71	-	-	A	V
		16650	51.55	-16.65	68.2	32.13	40.9	24.29	45.77	-	-	P	V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		1264	57.2	-11	68.2	58.51	24.3	6.18	31.79	161	360	P	H
		1336	49.95	-24.05	74	50.98	24.44	6.33	31.8	161	360	P	H
		11340	50.37	-23.63	74	31.38	38.88	19.98	39.87	-	-	P	H
		11340	40.44	-13.56	54	21.45	38.88	19.98	39.87	-	-	A	H
		17010	50.86	-17.34	68.2	31.47	40.88	24.54	46.03	-	-	P	H
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													H
													H
													H
													H
		1114	49.4	-24.6	74	51.38	23.98	5.8	31.76	102	36	P	V
		1264	54.12	-14.08	68.2	55.43	24.3	6.18	31.79	102	36	P	V
		11340	50.89	-23.11	74	31.9	38.88	19.98	39.87	-	-	P	V
		11340	40.33	-13.67	54	21.34	38.88	19.98	39.87	-	-	A	V
		17010	51.22	-16.98	68.2	31.83	40.88	24.54	46.03	-	-	P	V
													V
													V
													V
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Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5446.96	59.13	-14.87	74	47.52	32.59	13.18	34.16	199	347	P	H
		5466.64	65.08	-3.12	68.2	53.37	32.7	13.2	34.19	199	347	P	H
		5455.12	45.63	-8.37	54	33.98	32.63	13.19	34.17	199	347	A	H
	*	5510	111.42	-	-	99.45	32.96	13.26	34.25	199	347	P	H
	*	5510	104.28	-	-	92.31	32.96	13.26	34.25	199	347	A	H
		5749.88	51.04	-17.16	68.2	37.88	34	13.59	34.43	199	347	P	H
		5452.72	58.96	-15.04	74	47.32	32.62	13.19	34.17	400	358	P	V
		5466.16	64.64	-3.56	68.2	52.93	32.7	13.2	34.19	400	358	P	V
		5452	39.76	-14.24	54	28.14	32.61	13.18	34.17	400	358	A	V
	*	5510	107.71	-	-	95.74	32.96	13.26	34.25	400	358	P	V
	*	5510	99.94	-	-	87.97	32.96	13.26	34.25	400	358	A	V
		5764.685	50.09	-18.11	68.2	36.91	34	13.62	34.44	400	358	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5442.75	49.76	-24.24	74	38.15	32.59	13.17	34.15	189	360	P	H
		5460.6	49.05	-19.15	68.2	37.37	32.66	13.2	34.18	189	360	P	H
		5372.05	39.5	-14.5	54	27.96	32.5	13.08	34.04	189	360	A	H
	*	5670	113.73	-	-	101.04	33.58	13.48	34.37	189	360	P	H
	*	5670	106.28	-	-	93.59	33.58	13.48	34.37	189	360	A	H
		5731.575	66.39	-1.81	68.2	53.35	33.89	13.57	34.42	189	360	P	H
		5448.7	48.54	-25.46	74	36.92	32.6	13.18	34.16	106	356	P	V
		5465.5	47.78	-20.42	68.2	36.08	32.69	13.2	34.19	106	356	P	V
		5458.5	39.09	-14.91	54	27.43	32.65	13.19	34.18	106	356	A	V
	*	5670	107.95	-	-	95.26	33.58	13.48	34.37	106	356	P	V
	*	5670	101.25	-	-	88.56	33.58	13.48	34.37	106	356	A	V
		5728.6	63.18	-5.02	68.2	50.16	33.87	13.56	34.41	106	356	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5452.48	63.26	-10.74	74	51.63	32.61	13.19	34.17	242	360	P	H
		5467.84	64.54	-3.66	68.2	52.82	32.71	13.2	34.19	242	360	P	H
		5456.56	52.43	-1.57	54	40.77	32.64	13.19	34.17	242	360	A	H
	*	5530	107.83	-	-	95.73	33.08	13.28	34.26	242	360	P	H
	*	5530	100.22	-	-	88.12	33.08	13.28	34.26	242	360	A	H
		5760.275	53.36	-14.84	68.2	40.19	34	13.61	34.44	242	360	P	H
		5454.4	59.79	-14.21	74	48.14	32.63	13.19	34.17	200	304	P	V
		5464.72	57.7	-10.5	68.2	45.99	32.69	13.2	34.18	200	304	P	V
		5456.08	46.95	-7.05	54	35.29	32.64	13.19	34.17	200	304	A	V
	*	5530	104.5	-	-	92.4	33.08	13.28	34.26	200	304	P	V
	*	5530	94.77	-	-	82.67	33.08	13.28	34.26	200	304	A	V
		5759.645	51.2	-17	68.2	38.03	34	13.61	34.44	200	304	P	V
802.11ax HE80 Full CH 122 5610MHz		5457.1	61.06	-12.94	74	49.4	32.64	13.19	34.17	248	3	P	H
		5467.95	65.05	-3.15	68.2	53.33	32.71	13.2	34.19	248	3	P	H
		5458.5	50.43	-3.57	54	38.77	32.65	13.19	34.18	248	3	A	H
	*	5610	114	-	-	101.67	33.26	13.39	34.32	248	3	P	H
	*	5610	105.29	-	-	92.96	33.26	13.39	34.32	248	3	A	H
		5725.45	64.2	-4	68.2	51.2	33.85	13.56	34.41	248	3	P	H
		5452.55	52.88	-21.12	74	41.24	32.62	13.19	34.17	391	345	P	V
		5464.1	55.47	-12.73	68.2	43.77	32.68	13.2	34.18	391	345	P	V
		5453.95	42.53	-11.47	54	30.89	32.62	13.19	34.17	391	345	A	V
	*	5610	108.15	-	-	95.82	33.26	13.39	34.32	391	345	P	V
	*	5610	100.02	-	-	87.69	33.26	13.39	34.32	391	345	A	V
		5733.325	59.65	-8.55	68.2	46.6	33.9	13.57	34.42	391	345	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1042	50.84	-23.16	74	53.62	23.36	5.61	31.75	-	-	P	H
		1264	48.21	-19.99	68.2	49.52	24.3	6.18	31.79	-	-	P	H
		11060	50.24	-23.76	74	32.08	38.12	19.19	39.68	-	-	P	H
		11060	41.37	-12.63	54	23.21	38.12	19.19	39.68	-	-	A	H
		16590	52.5	-15.7	68.2	32.85	41.12	23.64	45.72	-	-	P	H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		1264	47.66	-20.54	68.2	48.97	24.3	6.18	31.79	-	-	P	V
5530MHz		1336	46.74	-27.26	74	47.77	24.44	6.33	31.8	-	-	P	V
		11060	50.23	-23.77	74	32.07	38.12	19.19	39.68	-	-	P	V
		11060	41.81	-12.19	54	23.65	38.12	19.19	39.68	-	-	A	V
		16590	51.67	-16.53	68.2	32.02	41.12	23.64	45.72	-	-	P	V
													V
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													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	53.48	-14.72	68.2	54.79	24.3	6.18	31.79	248	3	P	H
		1336	54.69	-19.31	74	55.72	24.44	6.33	31.8	179	55	P	H
		1336	44.68	-9.32	54	45.71	24.44	6.33	31.8	179	55	A	H
		1780	51.91	-16.29	68.2	51.89	24.7	7.31	31.99	248	3	P	H
		11220	49.7	-24.3	74	31.04	38.58	19.87	39.79	-	-	P	H
		11220	40.39	-13.61	54	21.73	38.58	19.87	39.79	-	-	A	H
		16830	51	-17.2	68.2	31.39	41.1	24.41	45.9	-	-	P	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		1264	49.75	-18.45	68.2	51.06	24.3	6.18	31.79	391	345	P	V
5610MHz		1336	54.66	-19.34	74	55.69	24.44	6.33	31.8	191	182	P	V
		1336	46.67	-7.33	54	47.7	24.44	6.33	31.8	191	182	A	V
		1858	44.97	-23.23	68.2	44.25	25.28	7.48	32.04	391	345	P	V
		11220	50.51	-23.49	74	31.85	38.58	19.87	39.79	-	-	P	V
		11220	40.18	-13.82	54	21.52	38.58	19.87	39.79	-	-	A	V
		16830	52	-16.2	68.2	32.39	41.1	24.41	45.9	-	-	P	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5425.6	63.25	-10.75	74	51.67	32.55	13.15	34.12	203	351	P	H
		5469.52	64.24	-3.96	68.2	52.5	32.72	13.21	34.19	203	351	P	H
		5459.92	44.24	-9.76	54	32.57	32.66	13.19	34.18	203	351	A	H
	*	5530	108.52	-	-	96.42	33.08	13.28	34.26	203	351	P	H
	*	5530	100.9	-	-	88.8	33.08	13.28	34.26	203	351	A	H
		5759.96	51.27	-16.93	68.2	38.1	34	13.61	34.44	203	351	P	H
		5458	55.84	-18.16	74	44.17	32.65	13.19	34.17	400	358	P	V
		5468.32	59.35	-8.85	68.2	47.62	32.71	13.21	34.19	400	358	P	V
		5459.92	40.56	-13.44	54	28.89	32.66	13.19	34.18	400	358	A	V
	*	5530	104.61	-	-	92.51	33.08	13.28	34.26	400	358	P	V
	*	5530	96.97	-	-	84.87	33.08	13.28	34.26	400	358	A	V
		5736.965	50.54	-17.66	68.2	37.46	33.92	13.58	34.42	400	358	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5453.95	64.72	-9.28	74	53.08	32.62	13.19	34.17	253	0	P	H
		5470	63.2	-5	68.2	51.46	32.72	13.21	34.19	253	0	P	H
		5458.85	44.7	-9.3	54	33.04	32.65	13.19	34.18	253	0	A	H
	*	5610	116.22	-	-	103.89	33.26	13.39	34.32	253	0	P	H
	*	5610	107.98	-	-	95.65	33.26	13.39	34.32	253	0	A	H
		5752.4	66.21	-1.99	68.2	53.04	34	13.6	34.43	253	0	P	H
		5455.7	55.93	-18.07	74	44.28	32.63	13.19	34.17	389	343	P	V
		5462	56.77	-11.43	68.2	45.08	32.67	13.2	34.18	389	343	P	V
		5456.4	40.85	-13.15	54	29.19	32.64	13.19	34.17	389	343	A	V
	*	5610	109.72	-	-	97.39	33.26	13.39	34.32	389	343	P	V
	*	5610	102.01	-	-	89.68	33.26	13.39	34.32	389	343	A	V
		5729.475	58.1	-10.1	68.2	45.07	33.88	13.56	34.41	389	343	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 114 5570MHz		5458.5	63.43	-10.57	74	51.77	32.65	13.19	34.18	159	360	P	H
		5469.35	60.77	-7.43	68.2	49.03	32.72	13.21	34.19	159	360	P	H
		5458.85	52.61	-1.39	54	40.95	32.65	13.19	34.18	159	360	A	H
	*	5570	106.11	-	-	93.87	33.2	13.33	34.29	159	360	P	H
	*	5570	97.15	-	-	84.91	33.2	13.33	34.29	159	360	A	H
		5726.255	57.28	-10.92	68.2	44.27	33.86	13.56	34.41	159	360	P	H
		5443.8	56.43	-17.57	74	44.82	32.59	13.17	34.15	250	304	P	V
		5462	56.59	-11.61	68.2	44.9	32.67	13.2	34.18	250	304	P	V
		5441.7	47.18	-6.82	54	35.58	32.58	13.17	34.15	250	304	A	V
	*	5570	99.15	-	-	86.91	33.2	13.33	34.29	250	304	P	V
	*	5570	89.44	-	-	77.2	33.2	13.33	34.29	250	304	A	V
		5725.625	51.92	-16.28	68.2	38.92	33.85	13.56	34.41	250	304	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 114 5570MHz		1264	54.5	-13.7	68.2	55.81	24.3	6.18	31.79	159	360	P	H
		1336	53.92	-20.08	74	54.95	24.44	6.33	31.8	178	56	P	H
		1336	44.63	-9.37	54	45.66	24.44	6.33	31.8	178	56	A	H
		1858	47.18	-21.02	68.2	46.46	25.28	7.48	32.04	159	360	P	H
		11140	50.58	-23.42	74	32.25	38.28	19.79	39.74	-	-	P	H
		11140	40.69	-13.31	54	22.36	38.28	19.79	39.74	-	-	A	H
		16710	52.4	-15.8	68.2	32.96	40.92	24.33	45.81	-	-	P	H
													H
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													H
													H
		1264	44.15	-24.05	68.2	45.46	24.3	6.18	31.79	250	304	P	V
		1336	53.22	-20.78	74	54.25	24.44	6.33	31.8	203	186	P	V
		1336	46.42	-7.58	54	47.45	24.44	6.33	31.8	203	186	A	V
		2002	42.66	-25.54	68.2	40.66	26.32	7.8	32.12	250	304	P	V
		11140	51.18	-22.82	74	32.85	38.28	19.79	39.74	-	-	P	V
		11140	40.75	-13.25	54	22.42	38.28	19.79	39.74	-	-	A	V
		16710	51.43	-16.77	68.2	31.99	40.92	24.33	45.81	-	-	P	V
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Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 114 5570MHz		5444.15	64.07	-9.93	74	52.45	32.59	13.18	34.15	199	347	P	H
		5470	62.55	-5.65	68.2	50.81	32.72	13.21	34.19	199	347	P	H
		5444.5	50.66	-3.34	54	39.04	32.59	13.18	34.15	199	347	A	H
	*	5570	102.52	-	-	90.28	33.2	13.33	34.29	199	347	P	H
	*	5570	94.71	-	-	82.47	33.2	13.33	34.29	199	347	A	H
		5726.885	58.52	-9.68	68.2	45.51	33.86	13.56	34.41	199	347	P	H
		5445.9	61.55	-12.45	74	49.94	32.59	13.18	34.16	399	358	P	V
		5466.9	61.95	-6.25	68.2	50.24	32.7	13.2	34.19	399	358	P	V
		5445.55	47.12	-6.88	54	35.51	32.59	13.18	34.16	399	358	A	V
	*	5570	97.7	-	-	85.46	33.2	13.33	34.29	399	358	P	V
	*	5570	90.68	-	-	78.44	33.2	13.33	34.29	399	358	A	V
		5725.625	55.55	-12.65	68.2	42.55	33.85	13.56	34.41	399	358	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5416.3	51.18	-22.82	74	39.62	32.53	13.14	34.11	166	360	P	H
		5461.54	48.28	-19.92	68.2	36.59	32.67	13.2	34.18	166	360	P	H
		5411.62	42.35	-11.65	54	30.8	32.52	13.13	34.1	166	360	A	H
	*	5720	120.72	-	-	107.76	33.82	13.55	34.41	166	360	P	H
	*	5720	113.99	-	-	101.03	33.82	13.55	34.41	166	360	A	H
		5891.25	52.87	-15.33	68.2	39.7	33.98	13.73	34.54	166	360	P	H
		5453.74	47.51	-26.49	74	35.87	32.62	13.19	34.17	371	20	P	V
		5463.1	47.84	-20.36	68.2	36.14	32.68	13.2	34.18	371	20	P	V
		5417.47	38.84	-15.16	54	27.28	32.53	13.14	34.11	371	20	A	V
	*	5720	116.11	-	-	103.15	33.82	13.55	34.41	371	20	P	V
	*	5720	108.52	-	-	95.56	33.82	13.55	34.41	371	20	A	V
		5893.5	50.76	-17.44	68.2	37.57	33.99	13.74	34.54	371	20	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		1264	52.63	-15.57	68.2	53.94	24.3	6.18	31.79	166	360	P	H
		1336	54.98	-19.02	74	56.01	24.44	6.33	31.8	173	51	P	H
		1336	44.29	-9.71	54	45.32	24.44	6.33	31.8	173	51	A	H
		1858	49.31	-18.89	68.2	48.59	25.28	7.48	32.04	166	360	P	H
		11440	49.72	-24.28	74	30.67	38.92	20.07	39.94	-	-	P	H
		11440	40.64	-13.36	54	21.59	38.92	20.07	39.94	-	-	A	H
		17160	50.67	-17.53	68.2	31.62	40.58	24.66	46.19	-	-	P	H
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													H
													H
		1264	48.59	-19.61	68.2	49.9	24.3	6.18	31.79	371	20	P	V
		1336	52.99	-21.01	74	54.02	24.44	6.33	31.8	198	181	P	V
		1336	47.12	-6.88	54	48.15	24.44	6.33	31.8	198	181	A	V
		1858	48.02	-20.18	68.2	47.3	25.28	7.48	32.04	371	20	P	V
		11440	50.01	-23.99	74	30.96	38.92	20.07	39.94	-	-	P	V
		11440	40.8	-13.2	54	21.75	38.92	20.07	39.94	-	-	A	V
		17160	51.37	-16.83	68.2	32.32	40.58	24.66	46.19	-	-	P	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5409.67	49.93	-24.07	74	38.38	32.52	13.13	34.1	169	0	P	H
		5466.61	48.44	-19.76	68.2	36.73	32.7	13.2	34.19	169	0	P	H
		5410.84	43.36	-10.64	54	31.81	32.52	13.13	34.1	169	0	A	H
	*	5720	120.58	-	-	107.62	33.82	13.55	34.41	169	0	P	H
	*	5720	113.42	-	-	100.46	33.82	13.55	34.41	169	0	A	H
		5911	52.56	-15.64	68.2	39.36	34	13.75	34.55	169	0	P	H
		5448.67	48.35	-25.65	74	36.73	32.6	13.18	34.16	371	21	P	V
		5460.76	47.73	-20.47	68.2	36.05	32.66	13.2	34.18	371	21	P	V
		5412.01	39.06	-14.94	54	27.5	32.52	13.14	34.1	371	21	A	V
	*	5720	116.64	-	-	103.68	33.82	13.55	34.41	371	21	P	V
	*	5720	108.44	-	-	95.48	33.82	13.55	34.41	371	21	A	V
		5921.5	51.07	-17.13	68.2	37.87	34	13.76	34.56	371	21	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	52.39	-15.81	68.2	53.7	24.3	6.18	31.79	169	0	P	H
		1336	53.85	-20.15	74	54.88	24.44	6.33	31.8	175	54	P	H
		1336	45.06	-8.94	54	46.09	24.44	6.33	31.8	175	54	A	H
		1858	50.94	-17.26	68.2	50.22	25.28	7.48	32.04	169	0	P	H
		11440	51.12	-22.88	74	32.07	38.92	20.07	39.94	-	-	P	H
		11440	40.6	-13.4	54	21.55	38.92	20.07	39.94	-	-	A	H
		17160	51.18	-17.02	68.2	32.13	40.58	24.66	46.19	-	-	P	H
													H
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													H
802.11ax													H
HE20 Full													H
CH 144		1264	46.57	-21.63	68.2	47.88	24.3	6.18	31.79	371	21	P	V
5720MHz		1336	53.74	-20.26	74	54.77	24.44	6.33	31.8	202	184	P	V
		1336	47.01	-6.99	54	48.04	24.44	6.33	31.8	202	184	A	V
		1858	46.83	-21.37	68.2	46.11	25.28	7.48	32.04	371	21	P	V
		11440	50.42	-23.58	74	31.37	38.92	20.07	39.94	-	-	P	V
		11440	40.53	-13.47	54	21.48	38.92	20.07	39.94	-	-	A	V
		17160	50.45	-17.75	68.2	31.4	40.58	24.66	46.19	-	-	P	V
													V
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													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5418.25	48.81	-25.19	74	37.24	32.54	13.14	34.11	166	360	P	H
		5464.66	48.27	-19.93	68.2	36.56	32.69	13.2	34.18	166	360	P	H
		5410.45	41.44	-12.56	54	29.89	32.52	13.13	34.1	166	360	A	H
	*	5710	119.02	-	-	106.13	33.76	13.53	34.4	166	360	P	H
	*	5710	111.29	-	-	98.4	33.76	13.53	34.4	166	360	A	H
		5855	53.2	-15	68.2	40.09	33.91	13.71	34.51	166	360	P	H
		5394.07	47.65	-26.35	74	36.11	32.5	13.11	34.07	400	98	P	V
		5465.44	47.9	-20.3	68.2	36.2	32.69	13.2	34.19	400	98	P	V
		5404.21	38.96	-15.04	54	27.41	32.51	13.13	34.09	400	98	A	V
	*	5710	114.07	-	-	101.18	33.76	13.53	34.4	400	98	P	V
	*	5710	106.02	-	-	93.13	33.76	13.53	34.4	400	98	A	V
		5853.5	52.26	-15.94	68.2	39.15	33.91	13.71	34.51	400	98	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	53.11	-15.09	68.2	54.42	24.3	6.18	31.79	166	360	P	H
		1336	54.97	-19.03	74	56	24.44	6.33	31.8	179	52	P	H
		1336	44.26	-9.74	54	45.29	24.44	6.33	31.8	179	52	A	H
		1858	50.61	-17.59	68.2	49.89	25.28	7.48	32.04	166	360	P	H
		11420	50.88	-23.12	74	31.8	38.96	20.05	39.93	-	-	P	H
		11420	40.48	-13.52	54	21.4	38.96	20.05	39.93	-	-	A	H
		17130	49.84	-18.36	68.2	30.72	40.64	24.64	46.16	-	-	P	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		1264	44.08	-24.12	68.2	45.39	24.3	6.18	31.79	400	98	P	V
5710MHz		1336	54.58	-19.42	74	55.61	24.44	6.33	31.8	198	181	P	V
		1336	47.54	-6.46	54	48.57	24.44	6.33	31.8	198	181	A	V
		1858	40.9	-27.3	68.2	40.18	25.28	7.48	32.04	400	98	P	V
		11420	50.98	-23.02	74	31.9	38.96	20.05	39.93	-	-	P	V
		11420	40.61	-13.39	54	21.53	38.96	20.05	39.93	-	-	A	V
		17130	50.62	-17.58	68.2	31.5	40.64	24.64	46.16	-	-	P	V
													V
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													V

Remark

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

Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5459.59	52.08	-21.92	74	40.41	32.66	13.19	34.18	179	360	P	H
		5469.34	51.58	-16.62	68.2	39.84	32.72	13.21	34.19	179	360	P	H
		5458.81	43.62	-10.38	54	31.96	32.65	13.19	34.18	179	360	A	H
	*	5690	115	-	-	102.21	33.66	13.51	34.38	179	360	P	H
	*	5690	106.42	-	-	93.63	33.66	13.51	34.38	179	360	A	H
		5857.6	62.01	-6.19	68.2	48.89	33.92	13.71	34.51	179	360	P	H
		5414.74	49.3	-24.7	74	37.74	32.53	13.14	34.11	400	61	P	V
		5469.34	48.65	-19.55	68.2	36.91	32.72	13.21	34.19	400	61	P	V
		5459.98	40.09	-13.91	54	28.42	32.66	13.19	34.18	400	61	A	V
	*	5690	108.23	-	-	95.44	33.66	13.51	34.38	400	61	P	V
	*	5690	99.26	-	-	86.47	33.66	13.51	34.38	400	61	A	V
		5854.3	58.53	-9.67	68.2	45.42	33.91	13.71	34.51	400	61	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		1264	50.32	-17.88	68.2	51.63	24.3	6.18	31.79	179	0	P	H
		1336	54.68	-19.32	74	55.71	24.44	6.33	31.8	175	52	P	H
		1336	44.92	-9.08	54	45.95	24.44	6.33	31.8	175	52	A	H
		1780	50.98	-17.22	68.2	50.96	24.7	7.31	31.99	179	0	P	H
		11380	50.2	-23.8	74	31.12	38.96	20.02	39.9	-	-	P	H
		11380	40.51	-13.49	54	21.43	38.96	20.02	39.9	-	-	A	H
		17070	51.35	-16.85	68.2	32.1	40.76	24.58	46.09	-	-	P	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		1264	46.53	-21.67	68.2	47.84	24.3	6.18	31.79	400	61	P	V
5690MHz		1336	53.48	-20.52	74	54.51	24.44	6.33	31.8	197	181	P	V
		1336	47.77	-6.23	54	48.8	24.44	6.33	31.8	197	181	A	V
		1858	48.23	-19.97	68.2	47.51	25.28	7.48	32.04	400	61	P	V
		11380	49.99	-24.01	74	30.91	38.96	20.02	39.9	-	-	P	V
		11380	40.44	-13.56	54	21.36	38.96	20.02	39.9	-	-	A	V
		17070	51.65	-16.55	68.2	32.4	40.76	24.58	46.09	-	-	P	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 HE160 Full (SHF @ 1m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 SHF		23691	37.43	-36.57	74	39.61	38.78	19.06	60.02	-	-	P	H
		38620	47.49	-26.51	74	39.3	44.24	27.45	63.5	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		24629	38.34	-35.66	74	39.63	39.34	19.61	60.24	-	-	P	V
		38545	47.45	-26.55	74	39.36	44.16	27.43	63.5	-	-	P	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 HE160 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 LF		45.39	27.52	-12.48	40	41.96	17.12	1.16	32.72	-	-	P	H
		149.88	33.79	-9.71	43.5	47.29	17.03	2.18	32.71	-	-	P	H
		220.35	39.19	-6.81	46	54.02	15.23	2.61	32.67	-	-	P	H
		450.5	36.67	-9.33	46	42.67	22.96	3.79	32.75	-	-	P	H
		675.2	39.4	-6.6	46	41.2	26.39	4.61	32.8	-	-	P	H
		885.9	38.36	-7.64	46	36.06	28.99	5.26	31.95	-	-	P	H
													H
													H
													H
													H
													H
													H
		45.12	33.94	-6.06	40	48.26	17.25	1.15	32.72	-	-	P	V
		146.91	34.35	-9.15	43.5	47.65	17.25	2.16	32.71	-	-	P	V
		225.21	39.41	-6.59	46	53.81	15.61	2.66	32.67	-	-	P	V
		440.7	42.14	-3.86	46	48.36	22.77	3.75	32.74	100	174	Q	V
		675.2	38.07	-7.93	46	39.87	26.39	4.61	32.8	-	-	P	V
		881	37.2	-8.8	46	34.82	29.11	5.25	31.98	-	-	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.	
1+2		(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 :	Ken Kuo, Bank Lin, Fred Tseng, and Karl Hou	**Temperature :**	20.8~24.8°C
		Relative Humidity :	52.4~63.8%

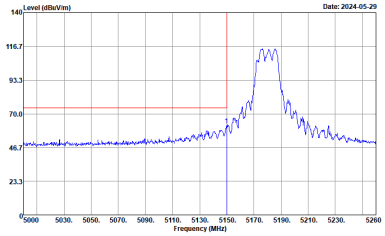
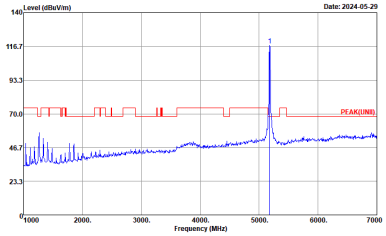
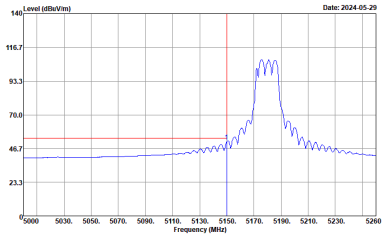
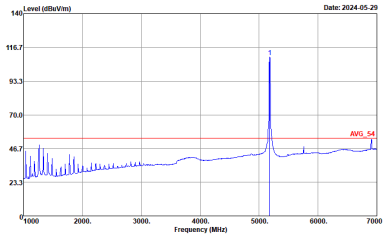
Note symbol

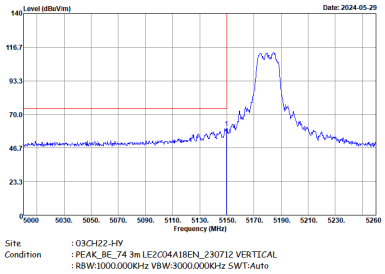
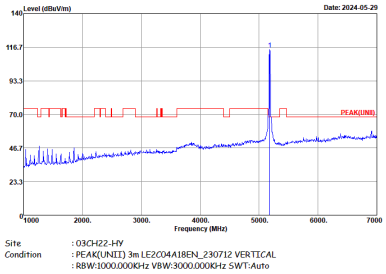
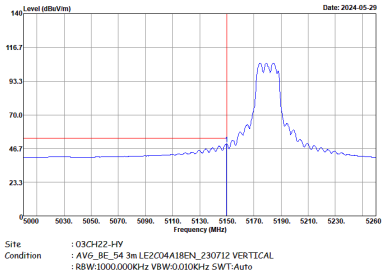
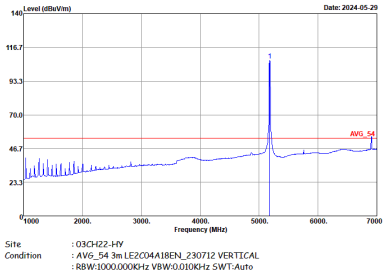
-L	**Low channel location**
-R	**High channel location**

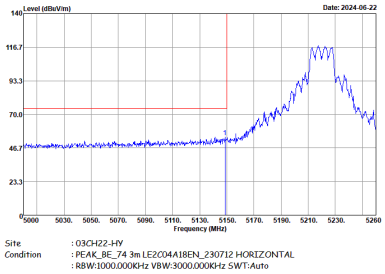
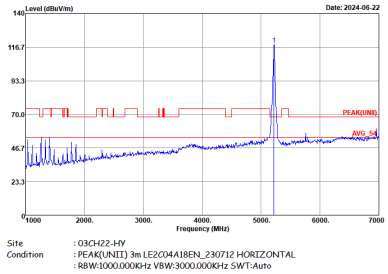
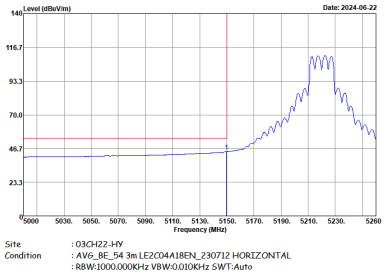
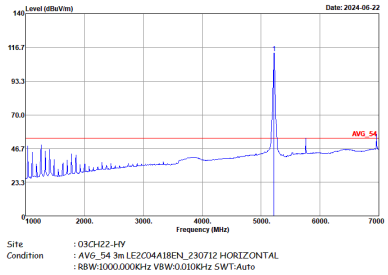
MIMO<Ant. 1+2>

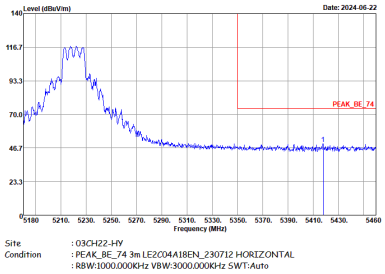
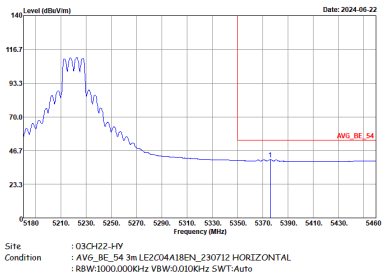
Band 1 - 5150~5250MHz

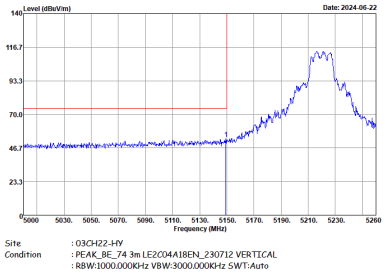
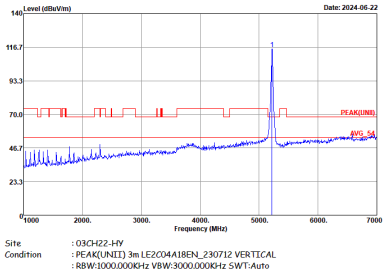
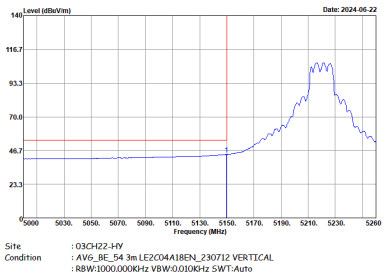
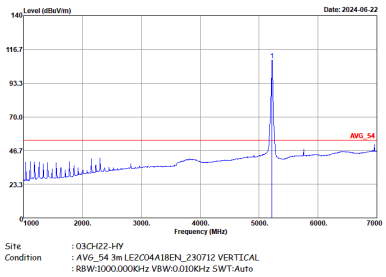
WIFI 802.11a (Band Edge @ 3m)

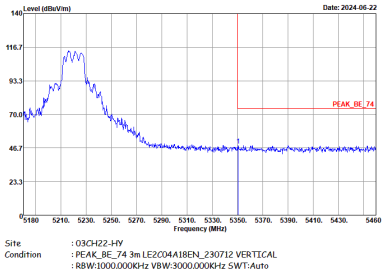
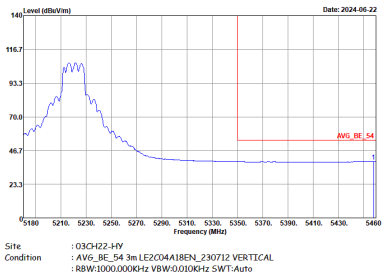
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

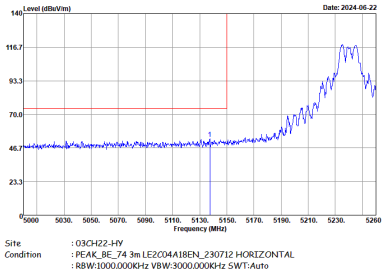
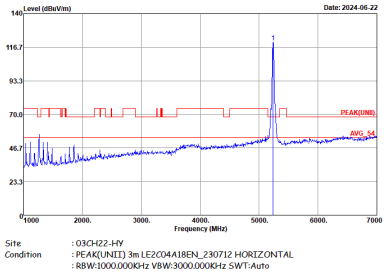
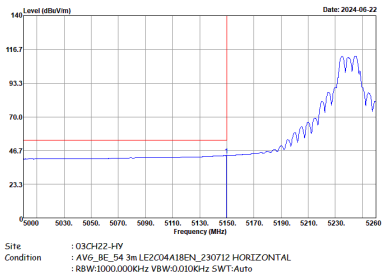
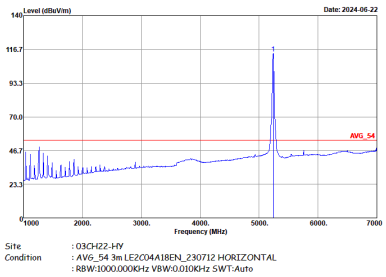
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

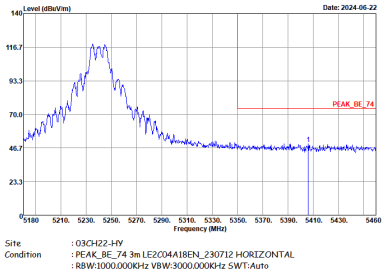
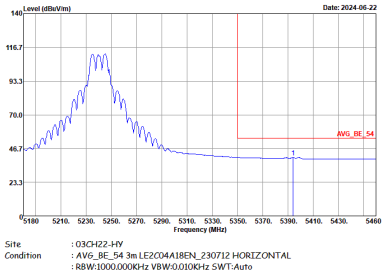
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

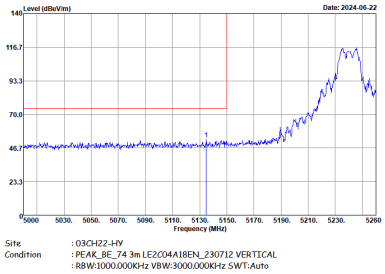
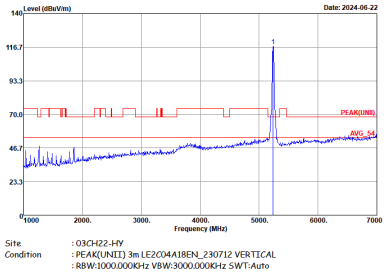
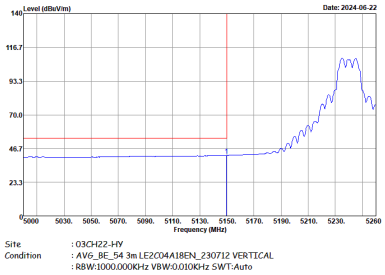
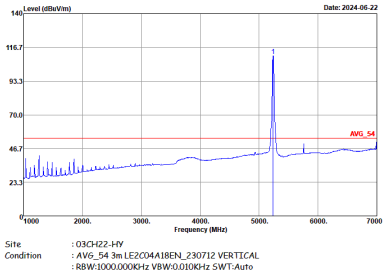
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

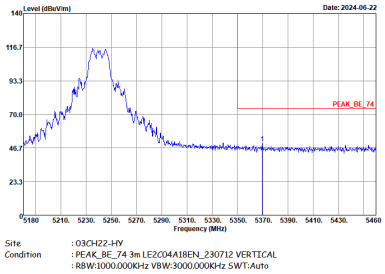
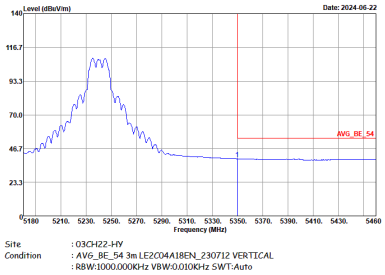
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

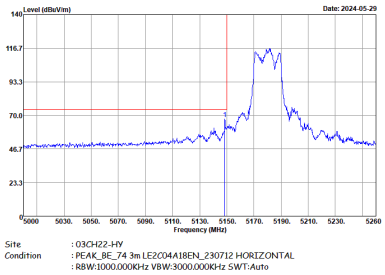
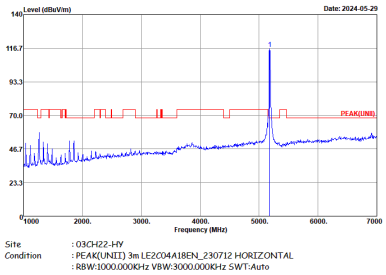
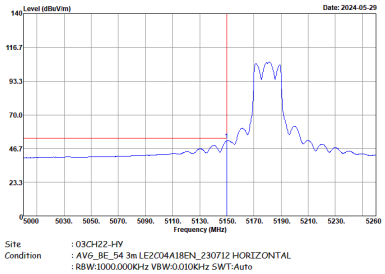
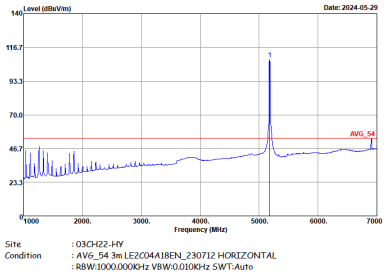
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

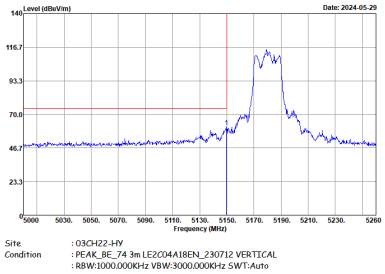
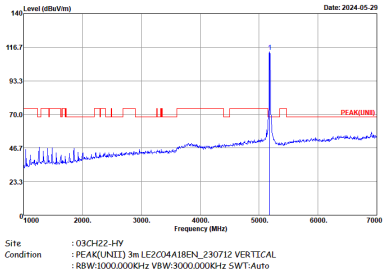
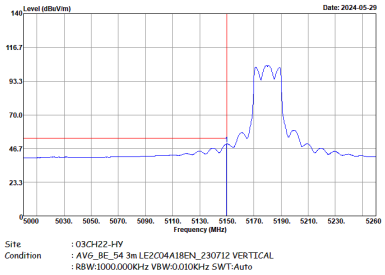
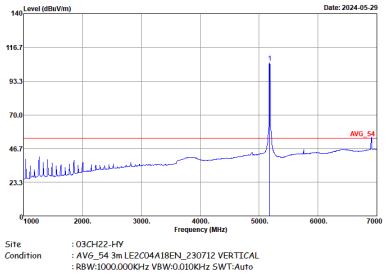
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

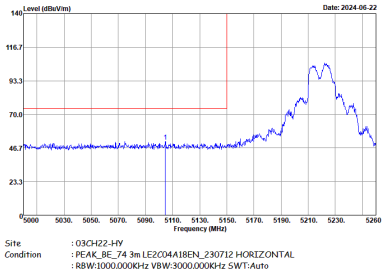
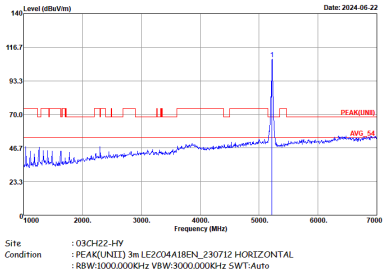
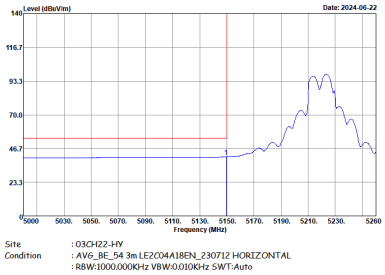
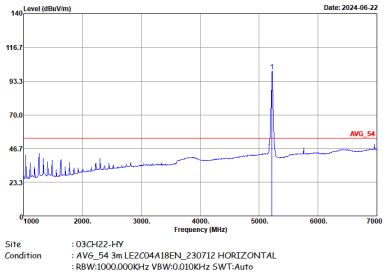
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

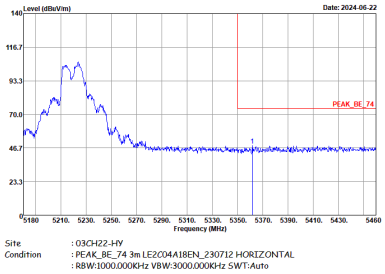
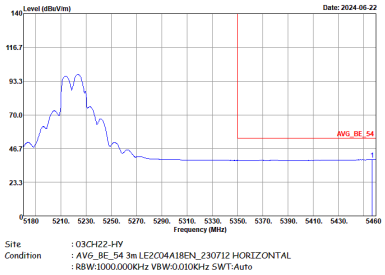
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

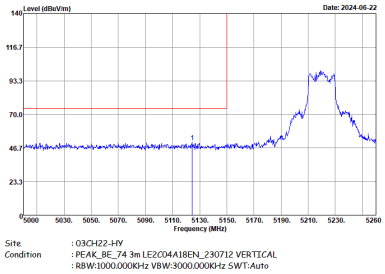
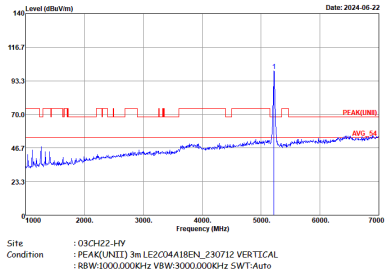
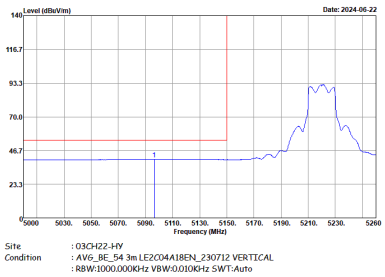
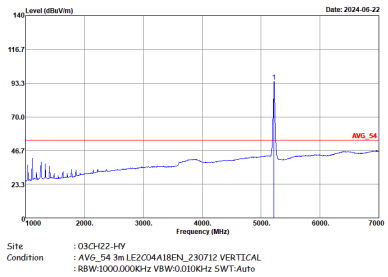
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

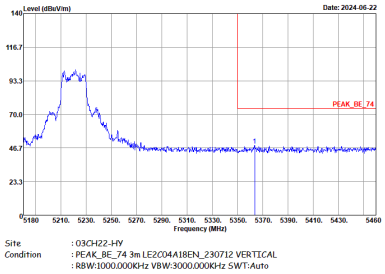
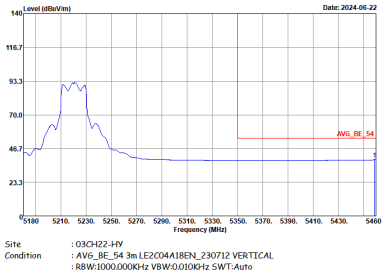
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

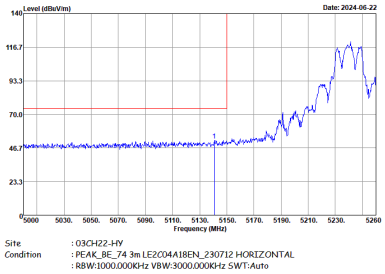
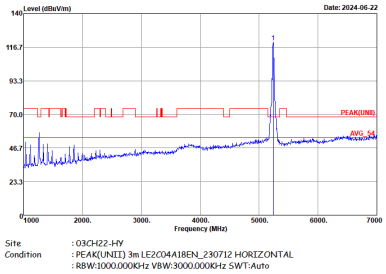
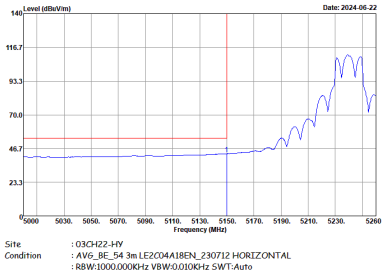
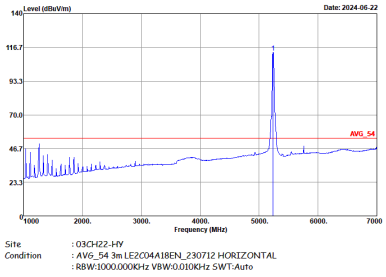
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

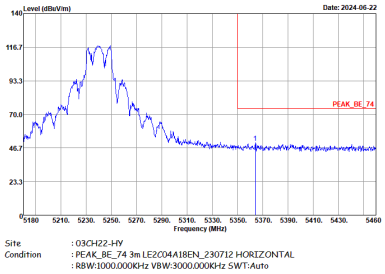
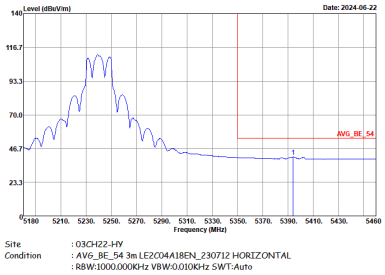
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

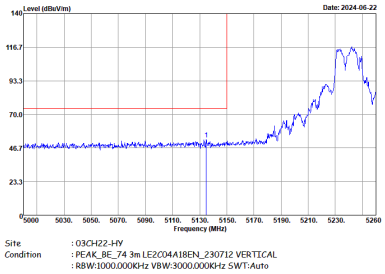
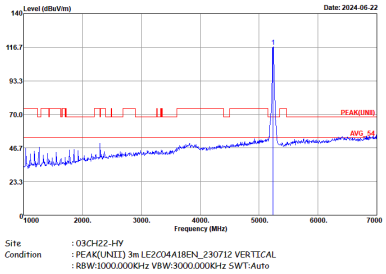
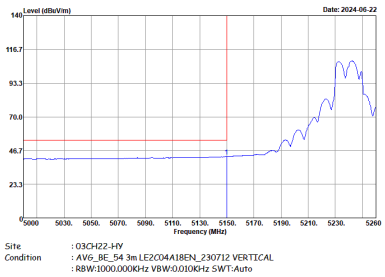
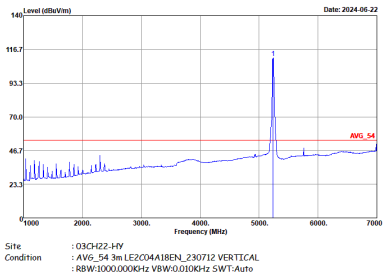
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

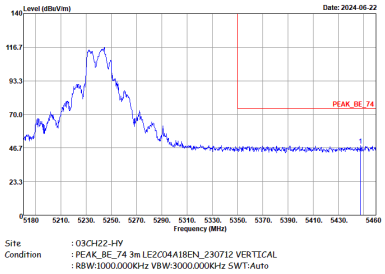
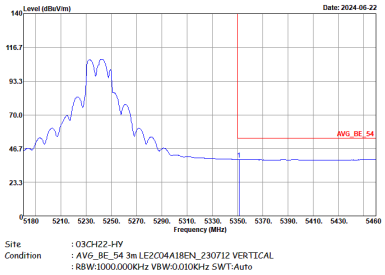
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

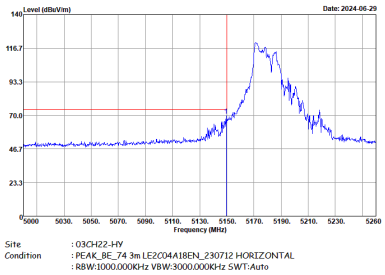
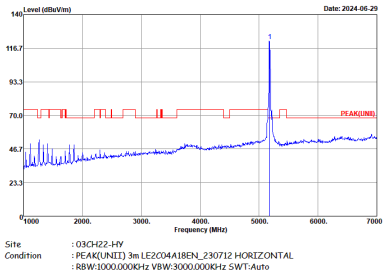
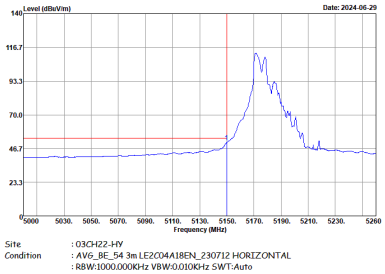
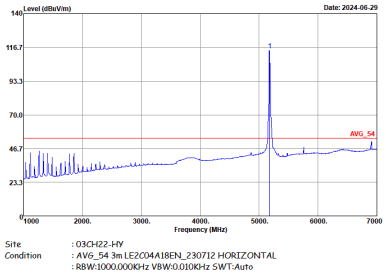
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

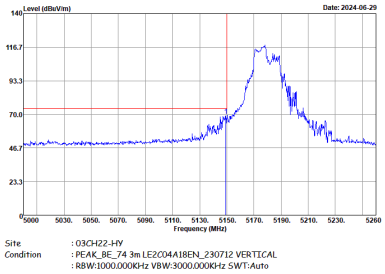
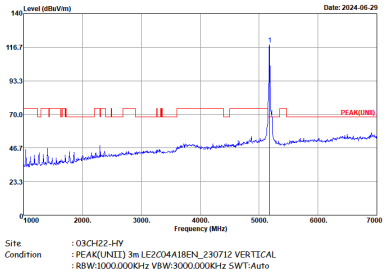
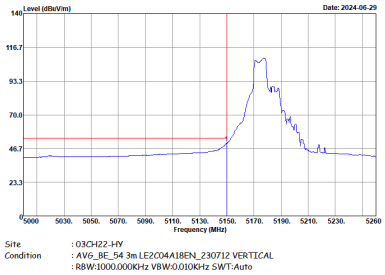
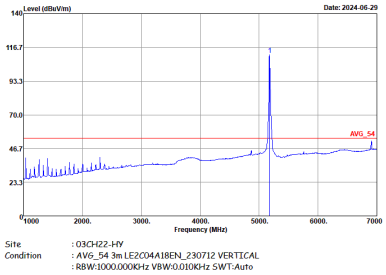
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

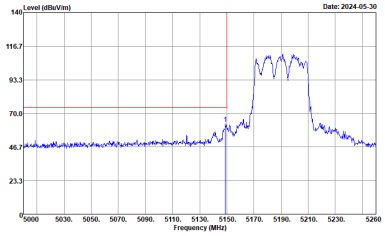
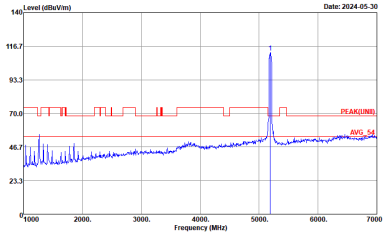
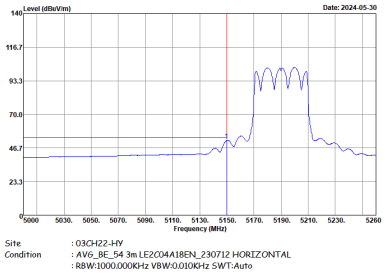
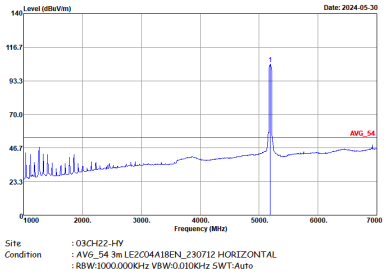
Band 1 5150~5250MHz

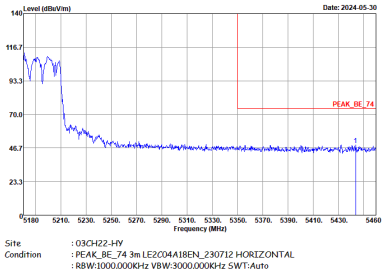
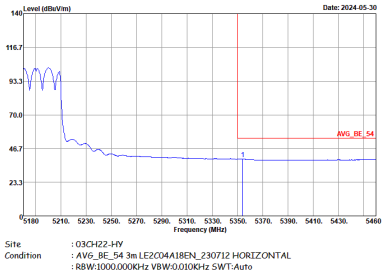
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

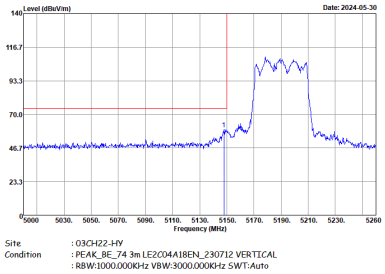
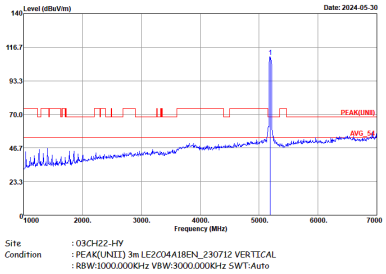
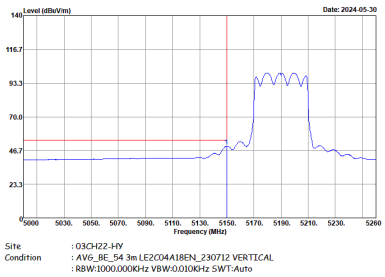
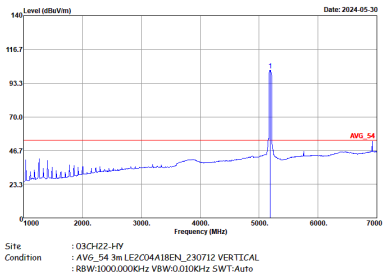
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

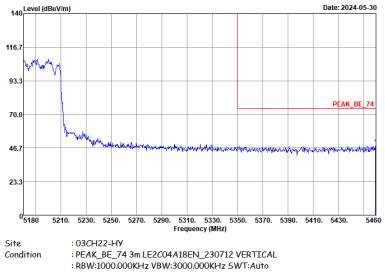
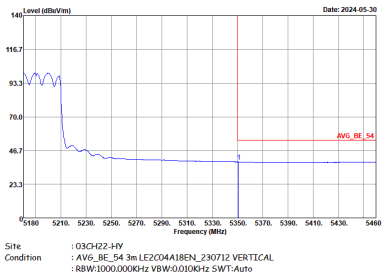
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

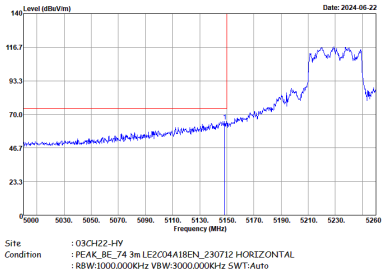
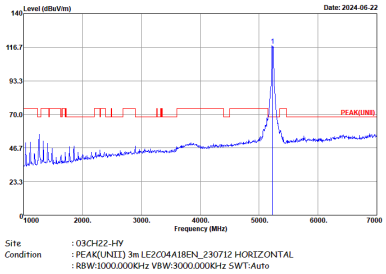
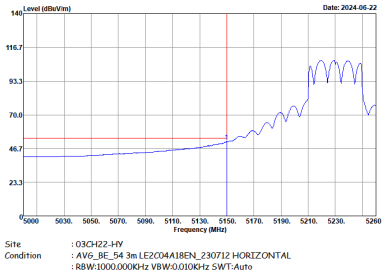
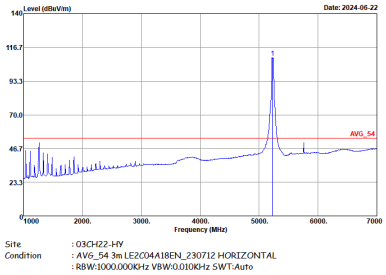
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

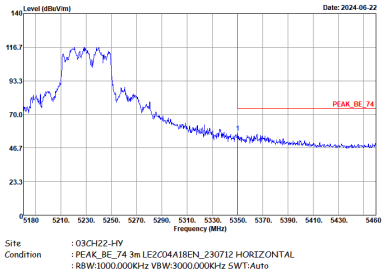
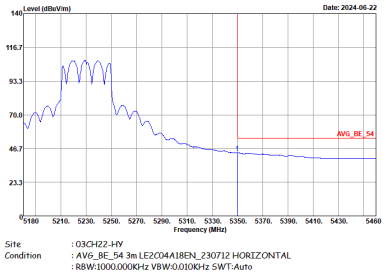
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

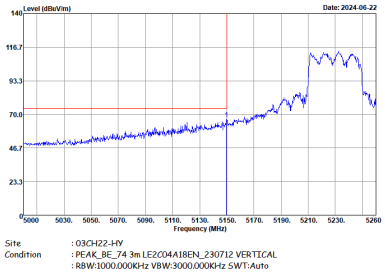
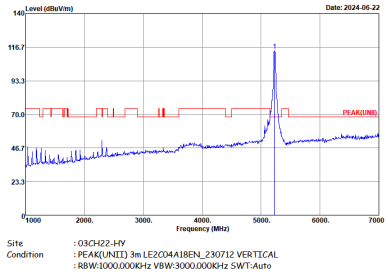
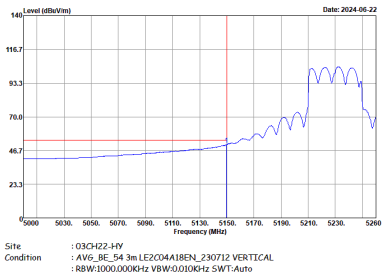
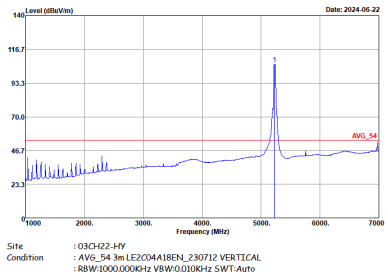
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

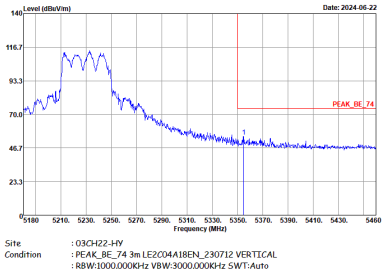
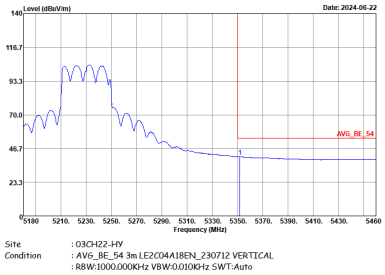
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

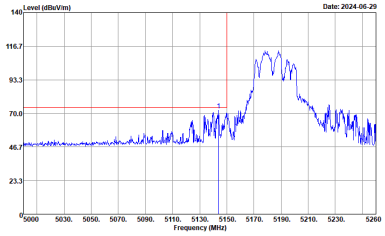
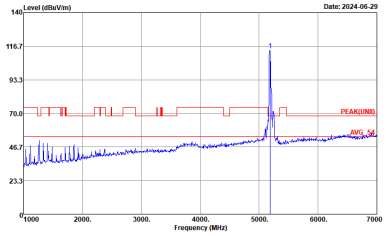
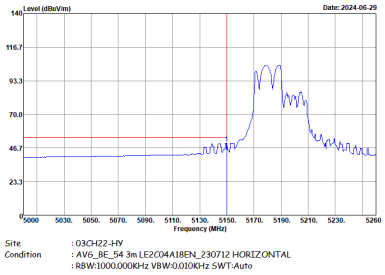
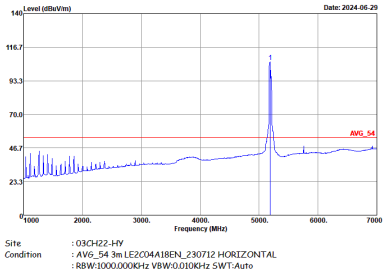
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

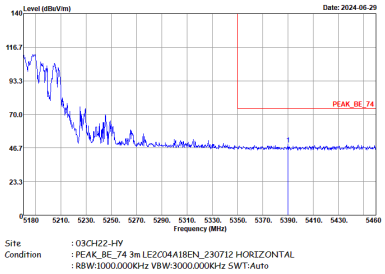
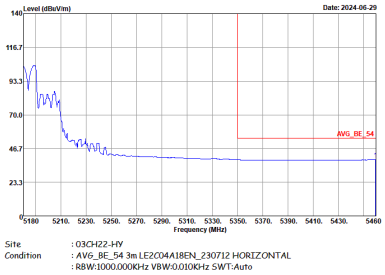
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

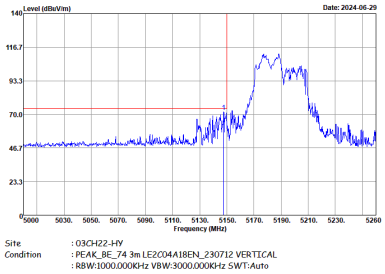
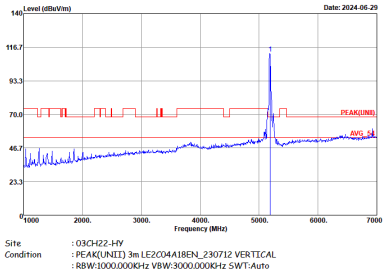
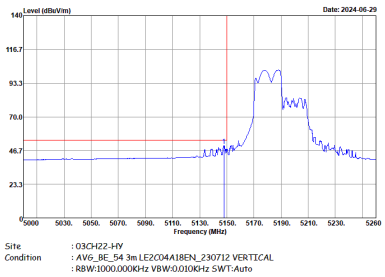
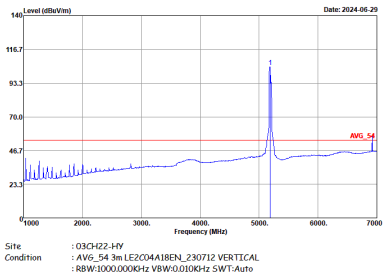
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

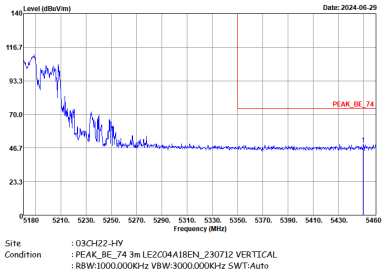
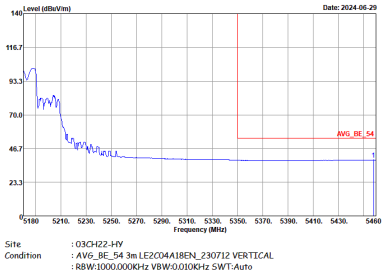
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
1+2	Horizontal	Fundamental
Peak		
Avg.		

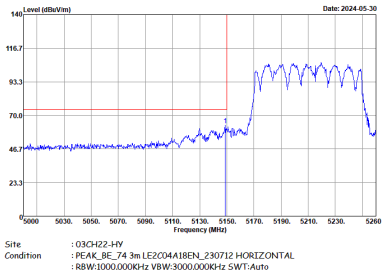
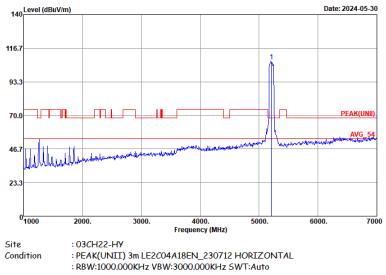
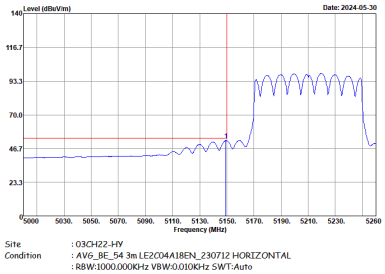
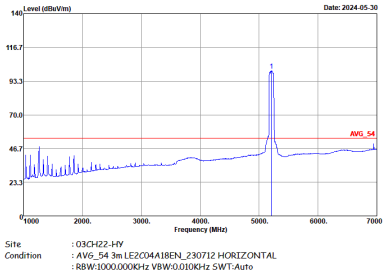
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

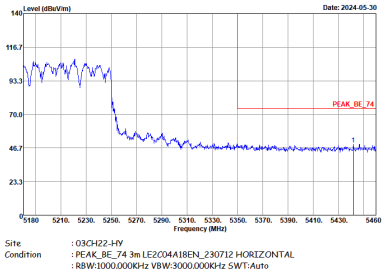
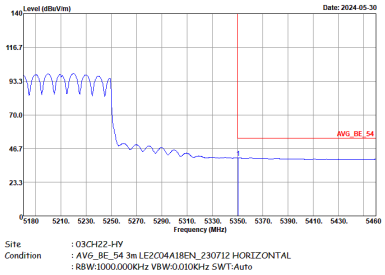
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

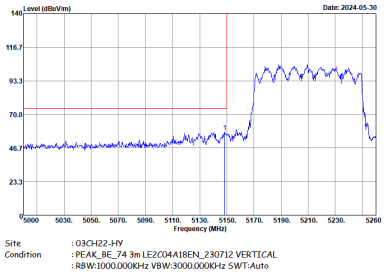
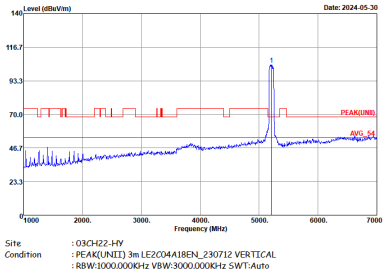
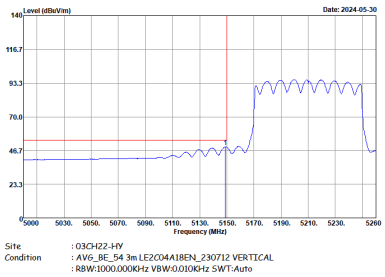
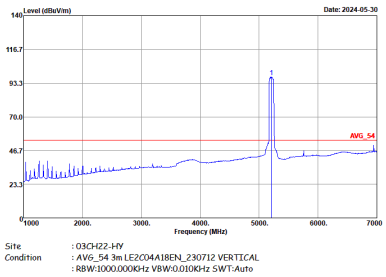
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

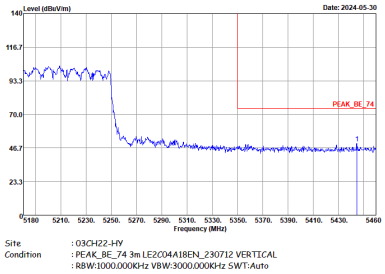
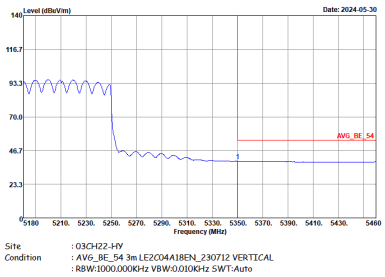
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

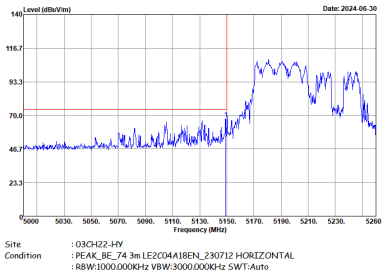
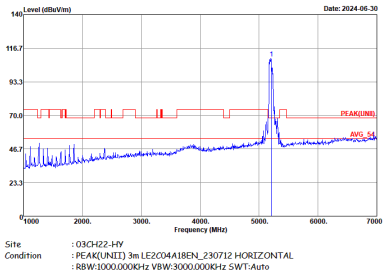
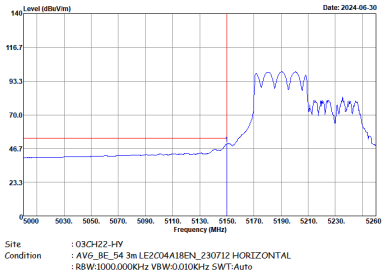
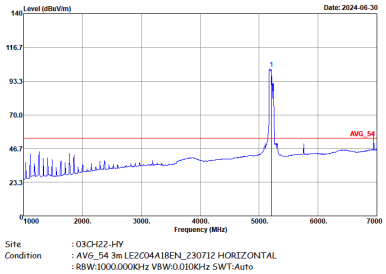
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

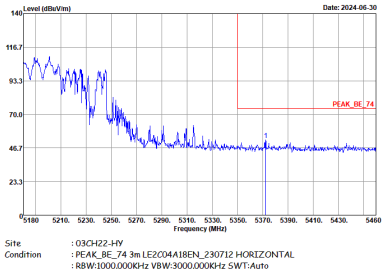
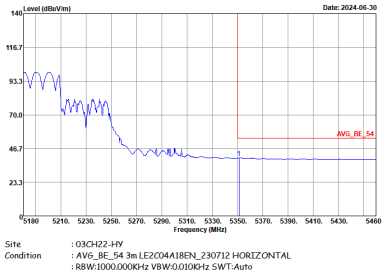
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

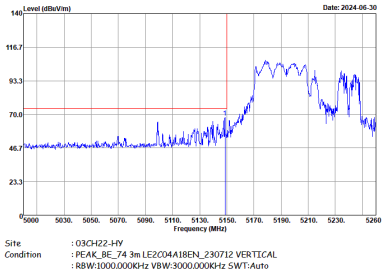
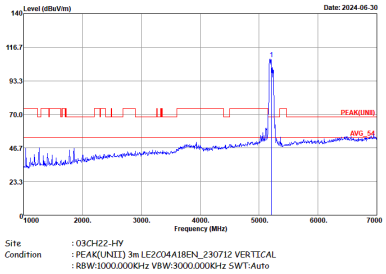
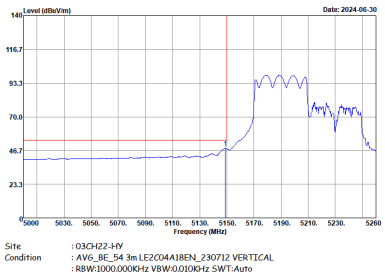
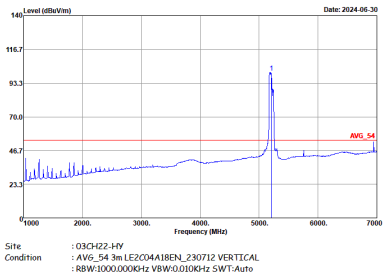
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

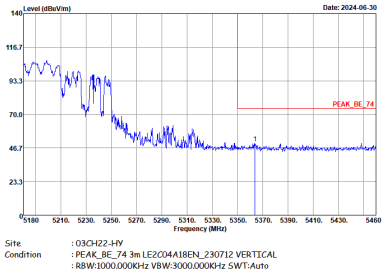
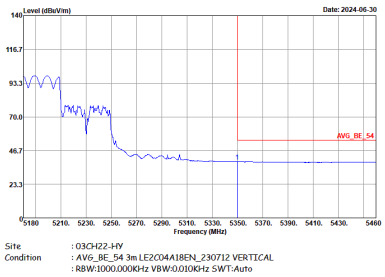
Band 1 5150~5250MHz

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

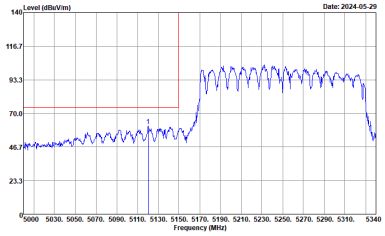
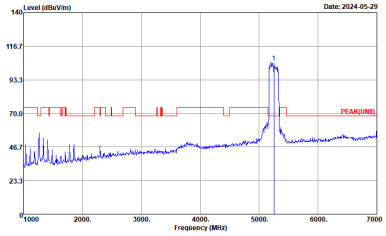
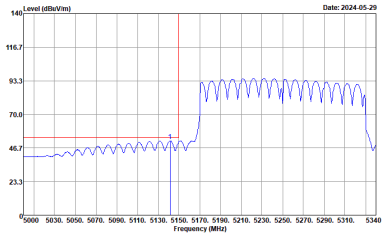
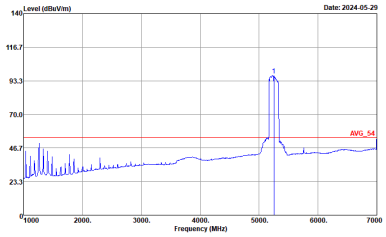
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

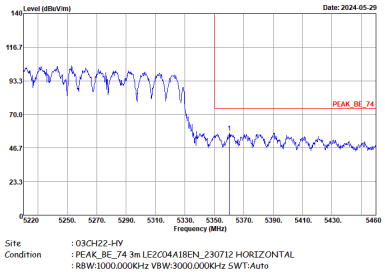
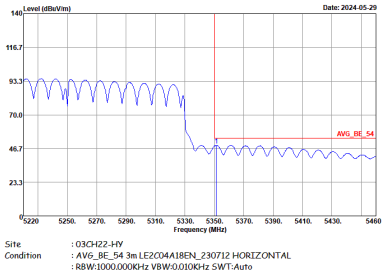
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

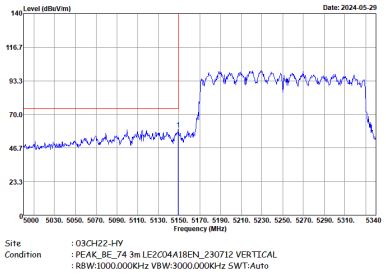
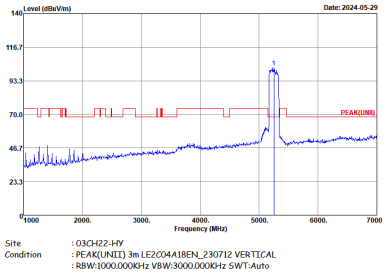
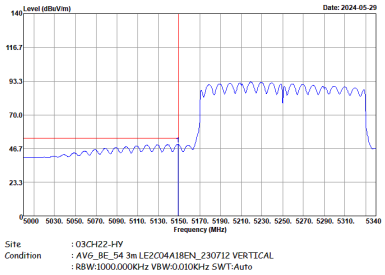
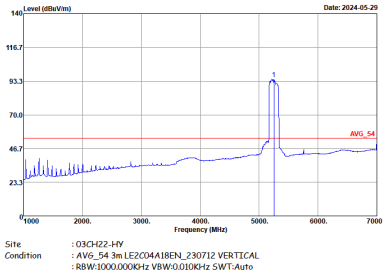
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

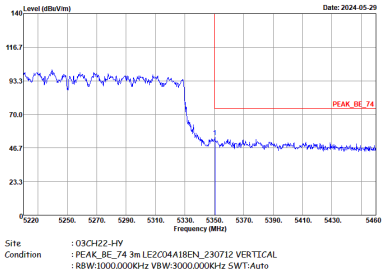
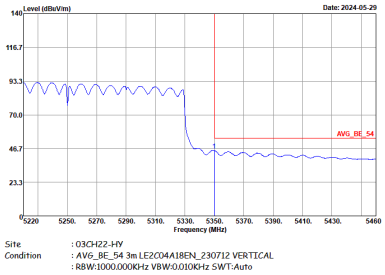
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
1+2	Horizontal	Fundamental
Peak		
Avg.		

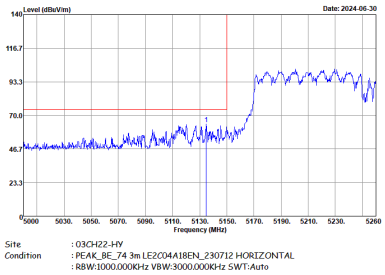
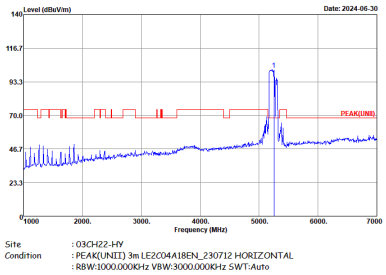
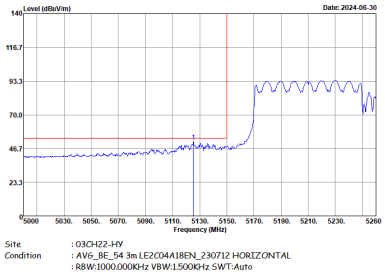
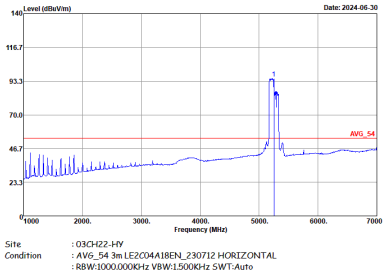
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

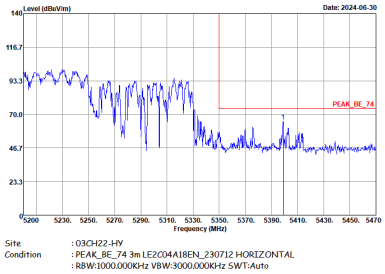
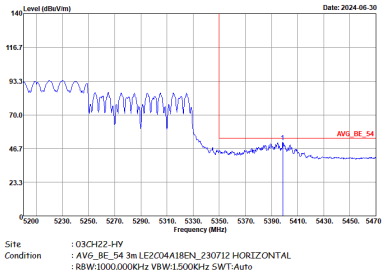
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

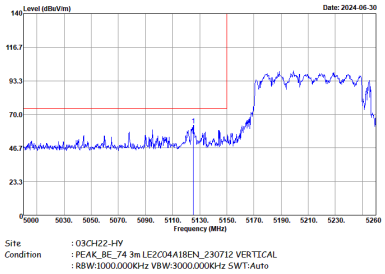
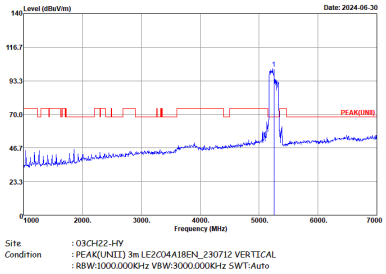
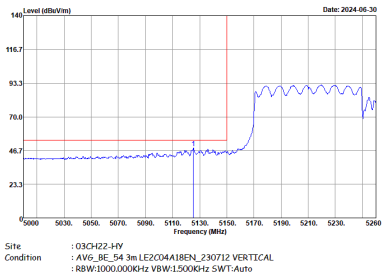
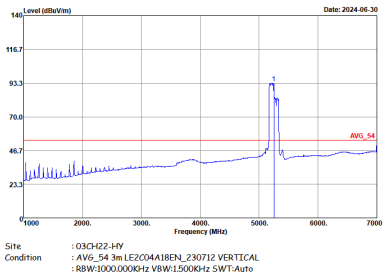
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

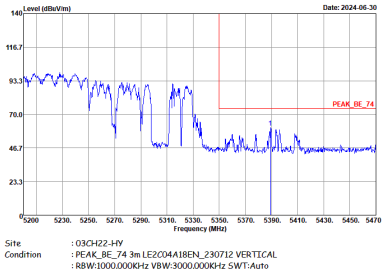
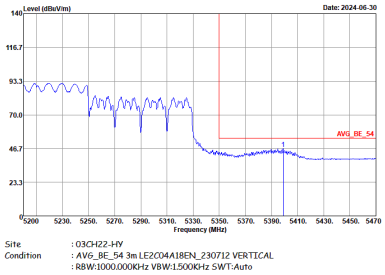
Band 1 5150~5250MHz

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	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
1+2	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	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank