FCC RADIO TEST REPORT

FCC ID	:	**UZ7WLMT0**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**WLMT0**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 03, 2023 and testing was performed from Jan. 04, 2023 to Feb. 28. 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

TEL : 886-3-327-0855
FAX : 886-3-327-0868

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR2D2704E	01	Initial issue of report	Mar. 03, 2023
FR2D2704E	02	Revise Appendix D	Mar. 09, 2023
FR2D2704E	03	Revise Product Specification of Equipment Under Test	Mar. 13, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.12 dB under the limit at 5352.860 MHz
3.5	15.207	AC Conducted Emission	Pass	19.36 dB under the limit at 0.474 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Keven Cheng

Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	WLMT0
FCC ID	UZ7WLMT0
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
Sample 1	Scanner (SE4710)
Sample 2	Scanner (SE5500)
HW Version	DV
SW Version	13-08-06.00-TG-UOO-PRD-ATH-04
FW Version	FUSION_QA_4_1.0.0.010_T
MFD	06FEB23
EUT Stage	Identical Prototype

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

Specification of Accessories				
Battery 1 **Standard Battery (3800mAh)**	**Brand Name**	Zebra	**Model Number**	BT-000473

Supported Unit Used in Test Configuration and System				
Battery 2 **Standard BLE Beacon Battery (3800mAh)**	**Brand Name**	Zebra	**Model Number**	BT-000473B
Battery 3 **Extended Battery (5200mAh)**	**Brand Name**	Zebra	**Model Number**	BT-000473E
Adapter 1 **Cigarette Lighter Adapter**	**Brand Name**	Zebra	**Part Number**	CHG-AUTO-USB1-01
Adapter 2 **USB Wall Charger**	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Earphone 1 **3.5mm PTT Headset**	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTT1-01
Earphone 2 **USB-C Audio Headset**	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
USB Cable **(Type C to Type A)**	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
Type C-Audio Cable **(Type C to 3.5mm)**	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 0+1>** 802.11a: 22.31 dBm / 0.1702 W 802.11n HT20: 22.41 dBm / 0.1742 W 802.11n HT40: 21.62 dBm / 0.1452 W 802.11ac VHT20: 22.46 dBm / 0.1762 W 802.11ac VHT40: 21.62 dBm / 0.1452 W 802.11ac VHT80: 20.27 dBm / 0.1064 W 802.11ac VHT160: 17.16 dBm / 0.0520 W 802.11ax HE20: 22.61 dBm / 0.1824 W 802.11ax HE40: 21.67 dBm / 0.1469 W 802.11ax HE80: 20.32 dBm / 0.1076 W 802.11ax HE160: 17.21 dBm / 0.0526 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 0+1>** 802.11a: 22.41 dBm / 0.1742 W 802.11n HT20: 22.71dBm / 0.1866 W 802.11n HT40: 21.71 dBm / 0.1483 W 802.11ac VHT20: 22.71 dBm / 0.1866 W 802.11ac VHT40: 21.71 dBm / 0.1483 W 802.11ac VHT80: 18.27 dBm / 0.0671 W 802.11ax HE20: 22.76 dBm / 0.1888 W 802.11ax HE40: 21.76 dBm / 0.1500 W 802.11ax HE80: 18.27 dBm / 0.0671 W 802.11ax HE160: 14.16 dBm / 0.0261 W **<5500 MHz ~ 5720 MHz** **MIMO <Ant. 0+1>** 802.11a: 22.12 dBm / 0.1629 W 802.11n HT20: 22.51 dBm / 0.1782 W 802.11n HT40: 21.71 dBm / 0.1483 W 802.11ac VHT20: 22.51 dBm / 0.1782 W 802.11ac VHT40: 21.71 dBm / 0.1483 W 802.11ac VHT80: 21.81 dBm / 0.1517 W 802.11ac VHT160: 17.22 dBm / 0.0527 W 802.11ax HE20: 22.56 dBm / 0.1803 W 802.11ax HE40: 21.76 dBm / 0.1500 W 802.11ax HE80: 21.92 dBm / 0.1556 W 802.11ax HE160: 17.27 dBm / 0.0533 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Mode></td><td>MIMO <Ant. 0>
802.11a: 16.78 MHz
802.11ax HE20: 19.18 MHz
802.11ax HE40: 38.06 MHz
802.11ax HE80: 77.32 MHz
802.11ax HE160: 156.56MHz
MIMO <Ant. 1>
802.11a: 16.48 MHz
802.11ax HE20: 19.03 MHz
802.11ax HE40: 37.96 MHz
802.11ax HE80: 77.32 MHz
802.11ax HE160: 156.32MHz</td></tr>
<tr><td>Antenna Type</td><td>Ant. 0: Monopole Antenna
Ant. 1 : PIFA Antenna</td></tr>
<tr><td rowspan="3">Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 0 : 0.10 dBi
Ant. 1 : -0.66 dBi</td></tr>
<tr><td><5260 MHz ~ 5320 MHz>
Ant. 0 : -0.55 dBi
Ant. 1 : -0.26 dBi</td></tr>
<tr><td><5500 MHz ~ 5720 MHz>
Ant. 0 : -1.20 dBi
Ant. 1 : -1.02 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)
802.11ax: OFDMA
(BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 0</th><th>Ant. 1</th></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ax TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Remark:

1. MIMO Ant. 0+1 Directional Gain is a calculated result from MIMO Ant. 0 and MIMO Ant. 1. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 0 + Ant. 1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

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

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

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

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

	Ant 0 (dBi)	Ant 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	0.10	-0.66	0.10	2.74	0.00	0.00
Band II	-0.55	-0.26	-0.26	2.61	0.00	0.00
Band III	-1.20	-1.02	-1.02	1.90	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= 0.10dBi; G_{ANT2}=-0.66dBi

Directional gain of power measurement = max(0.10, -0.66) + 0 = 0.10 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (0.10 dBi / 20) + 10^ (-0.66 dBi / 20)] ^ 2 } / 2 }

= 2.74 dBi

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

	Ant 0 (dBi)	Ant 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
5.2G Band	0.10	-0.66	2.74	2.74	0.00	0.00
5.3G Band	-0.55	-0.26	2.61	2.61	0.00	0.00
5.5G Band	-1.20	-1.02	1.90	1.90	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

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

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

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

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

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

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax 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 + Camera (Rear)+ USB TYPE-A to TYPE-C cable (Charging from Adapter 2) + Battery 1

<Sample 1 with Battery 1>

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

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

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

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

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

<Sample 1 with Battery 2>

Ch. #		Band II：5250-5350 MHz
		802.11ax HE80
L	Low	-
M	Middle	58
H	High	-
Straddle		-

<Sample 1 with Battery 3>

Ch. #		Band II：5250-5350 MHz
		802.11ax HE80
L	Low	-
M	Middle	58
H	High	-
Straddle		-

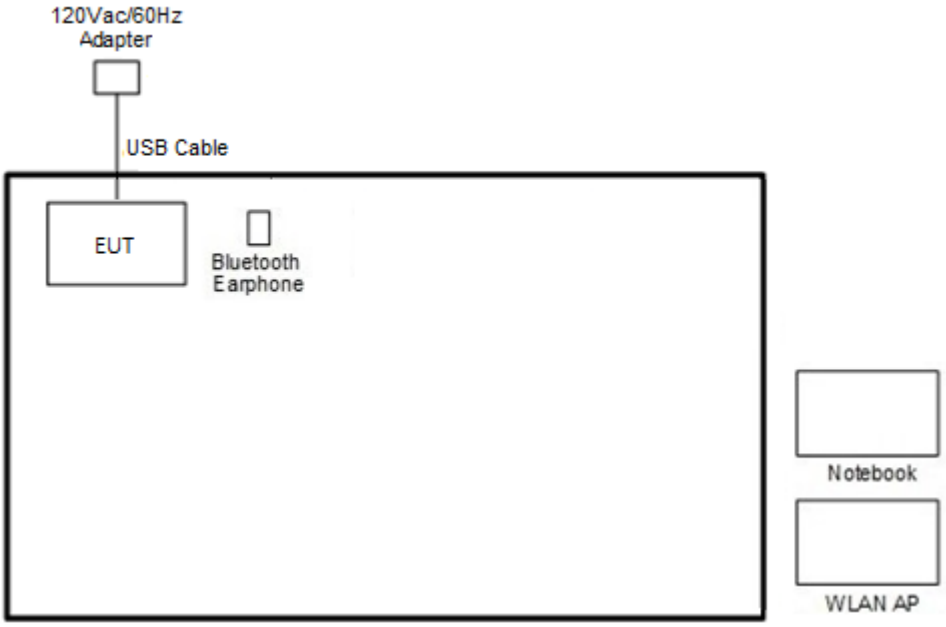
<Sample 2 with Battery 2>

Ch. #		Band II：5250-5350 MHz
		802.11ax HE80
L	Low	-
M	Middle	58
H	High	-
Straddle		-

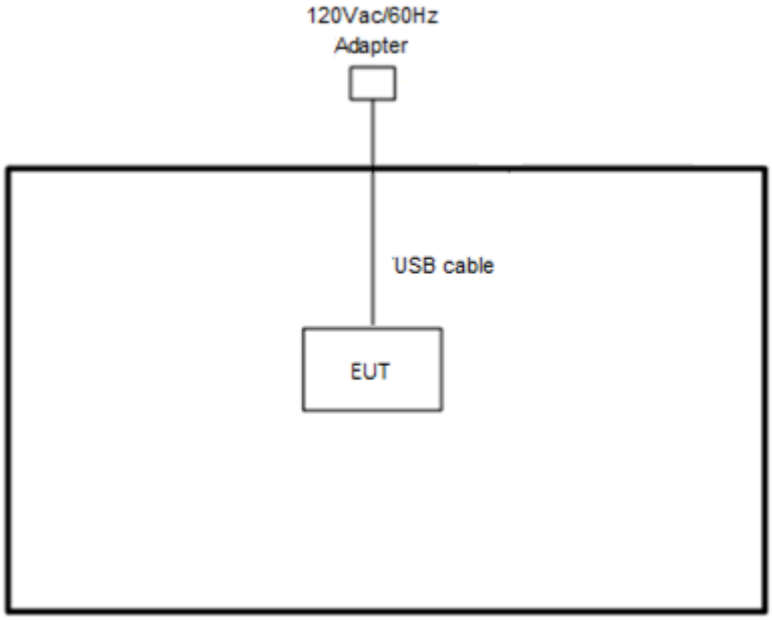
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC52	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	P79G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Kinyo	BTE-3622	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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.

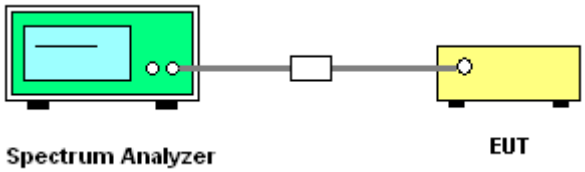
3.1.2 Measuring Instruments

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

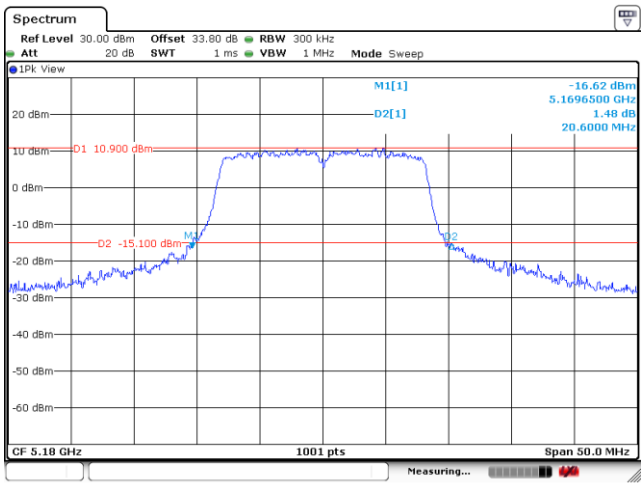
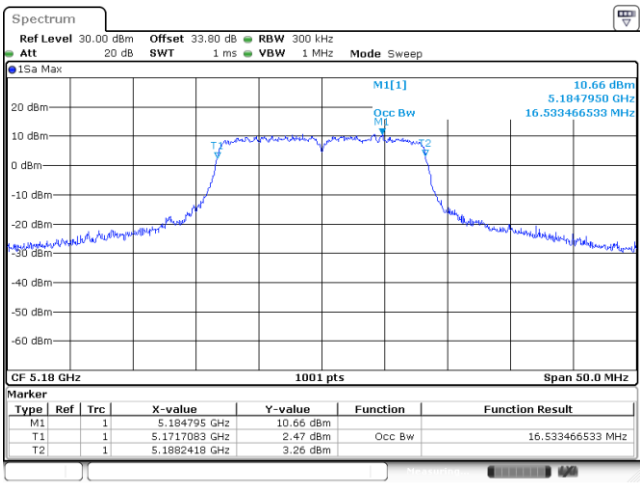


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

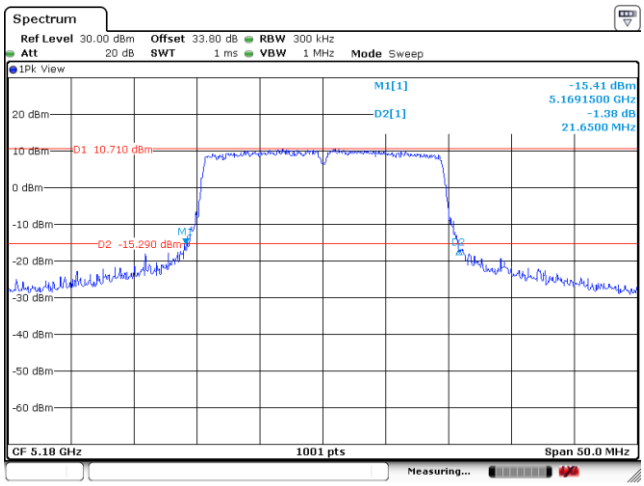
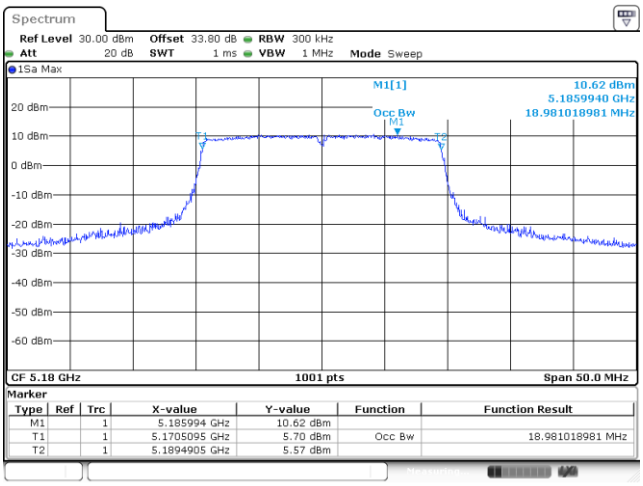
MIMO <Ant. 0+1>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

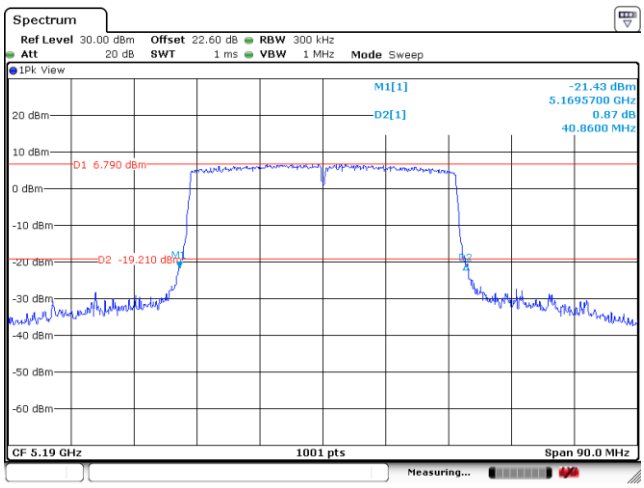
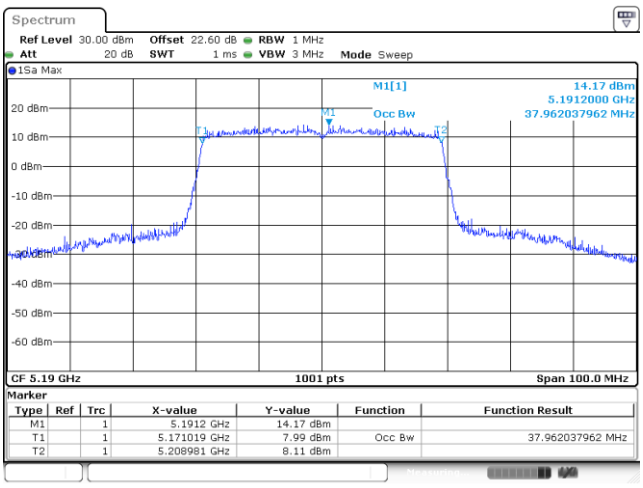
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

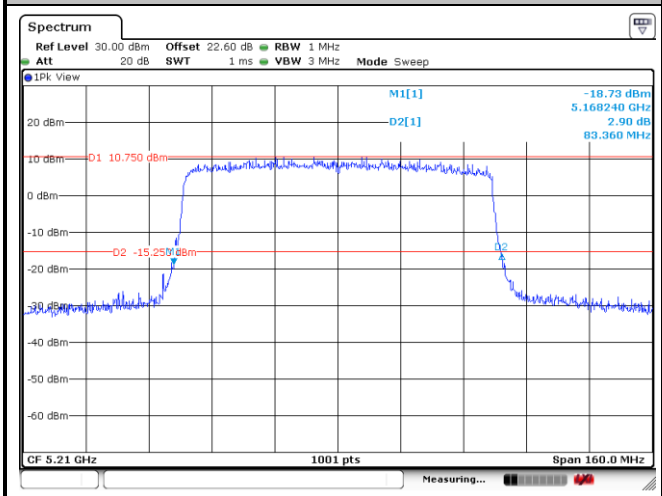
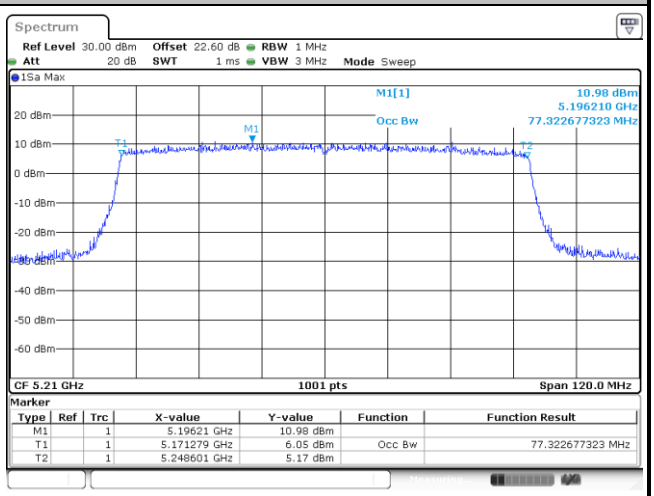
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

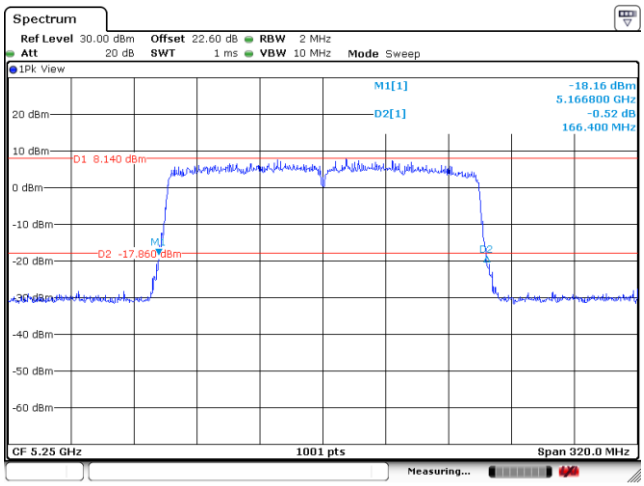
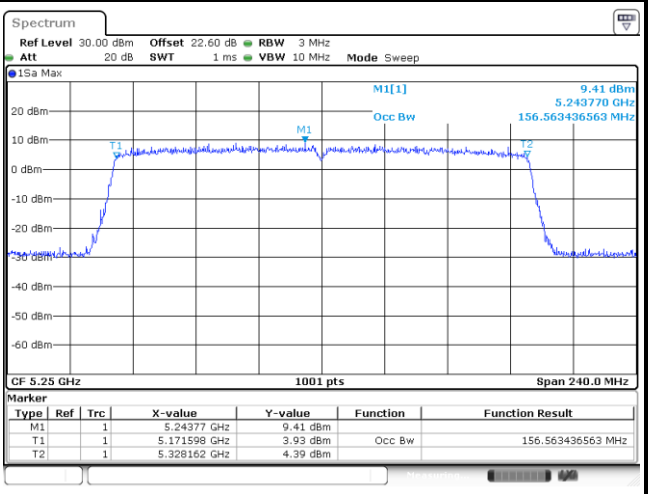
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

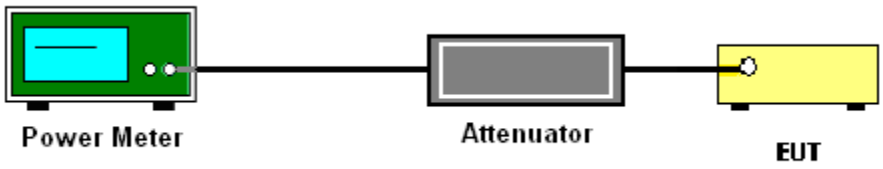
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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).

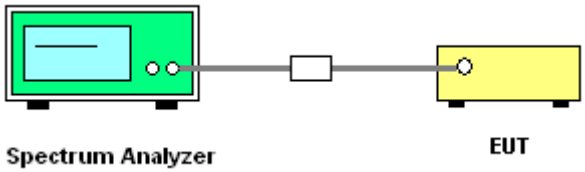
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

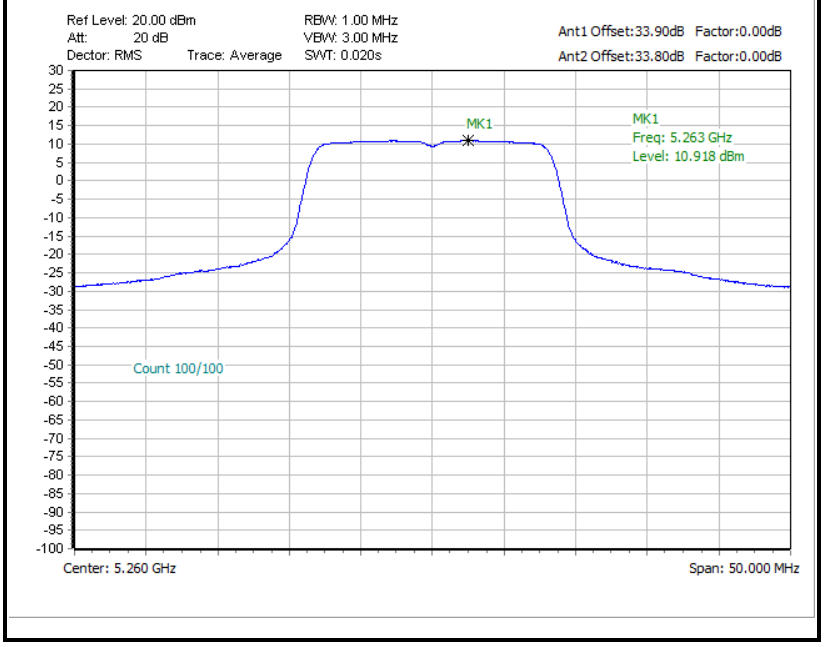


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

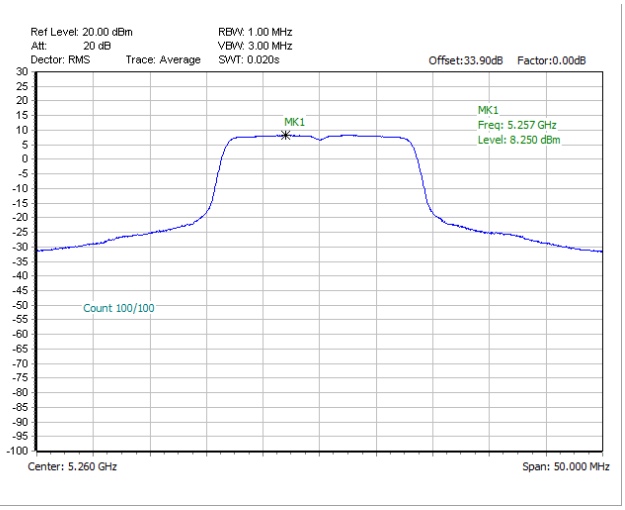
<802.11a>

Maximum Power Density Plot (dBm/MHz)

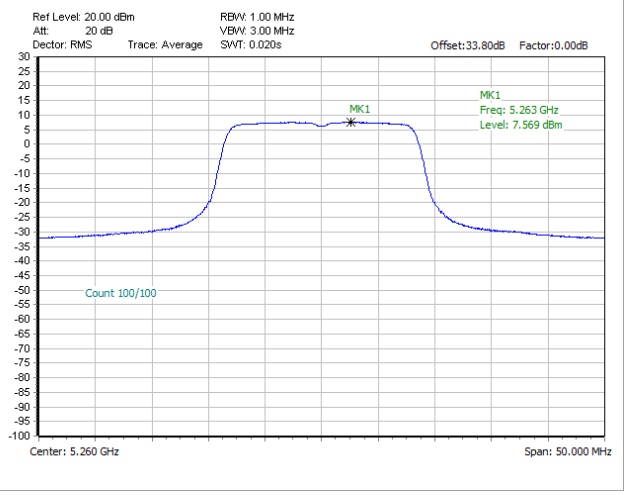


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)

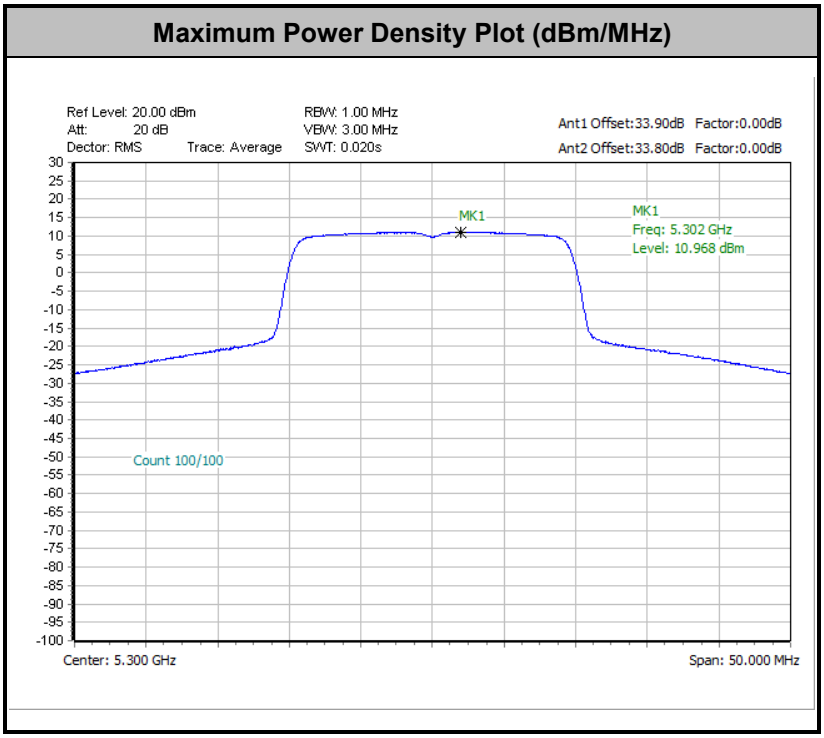


Maximum Power Density Plot Trace 2 (Ant 1)



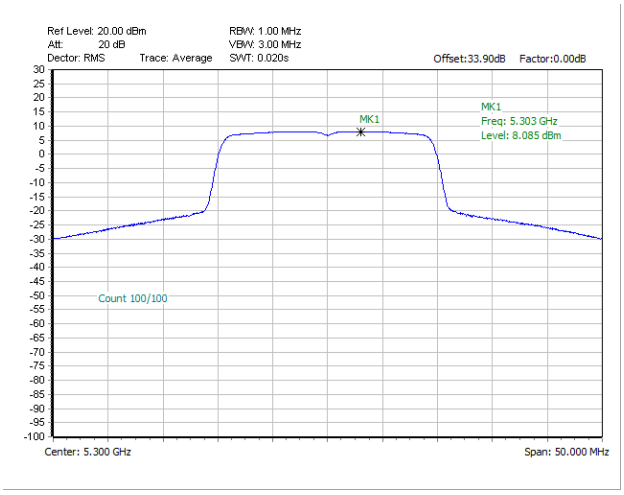
<802.11ax HE20>

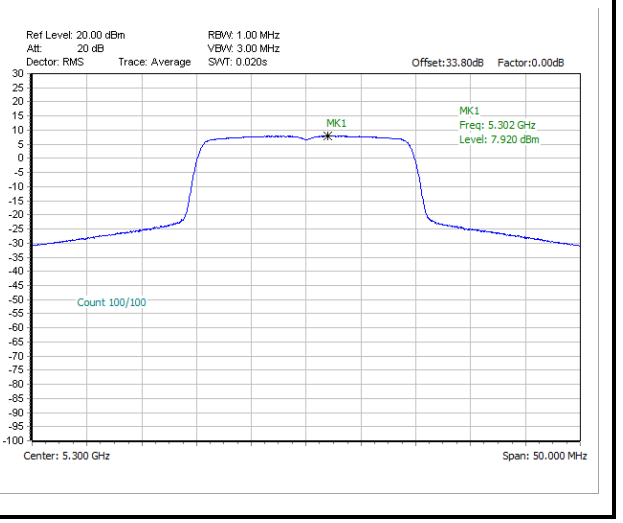
Maximum Power Density Plot (dBm/MHz)



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

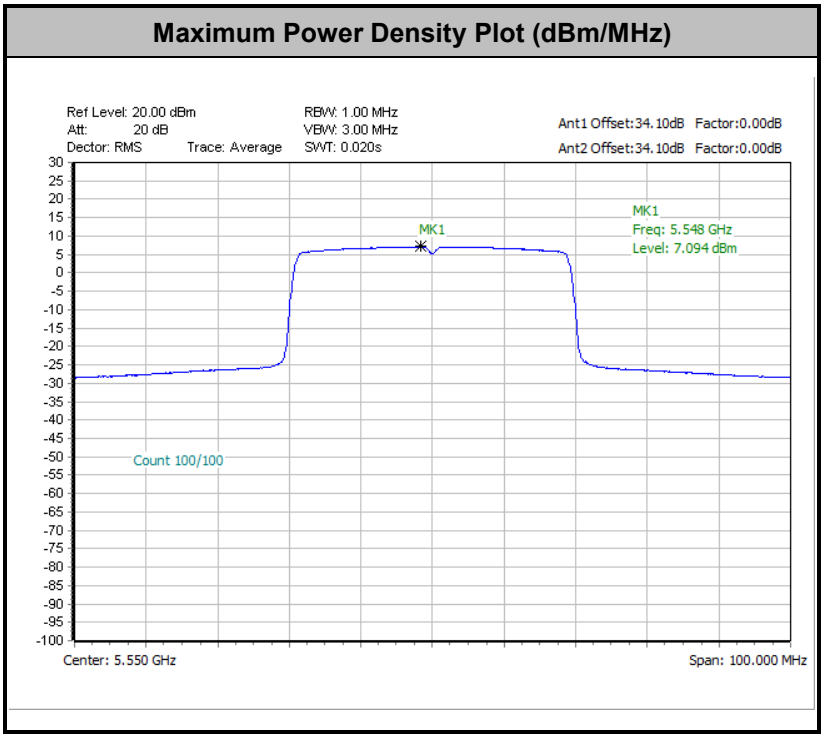
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)





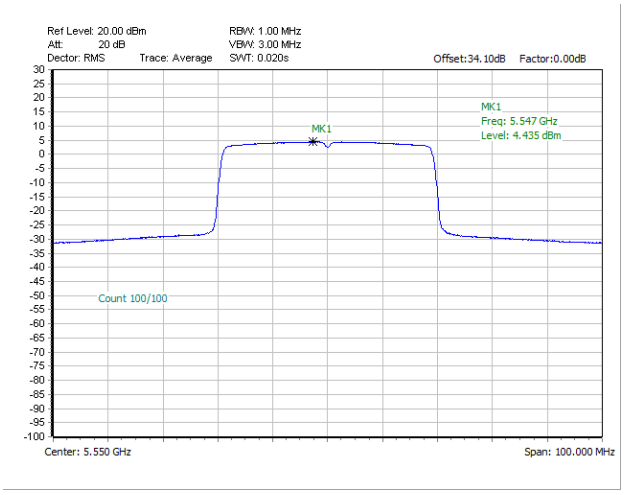
<802.11ax HE40>

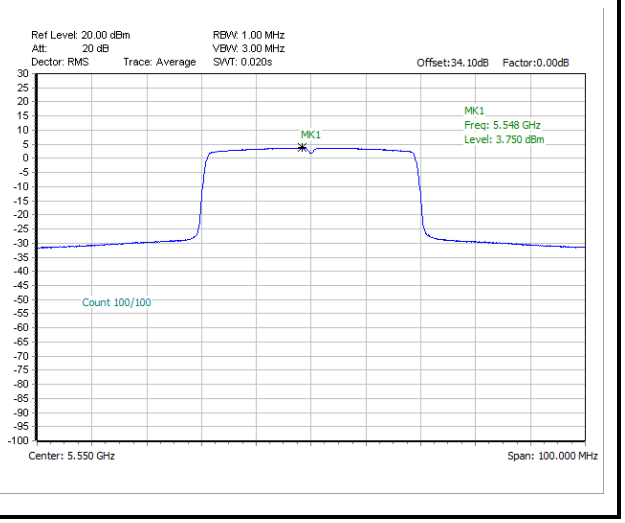
Maximum Power Density Plot (dBm/MHz)



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

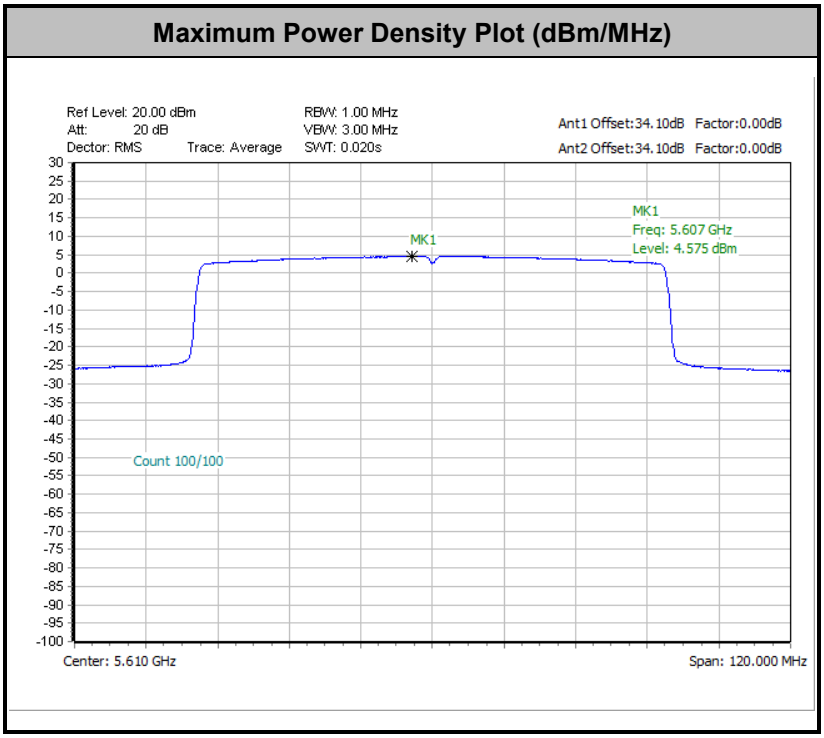
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 1)



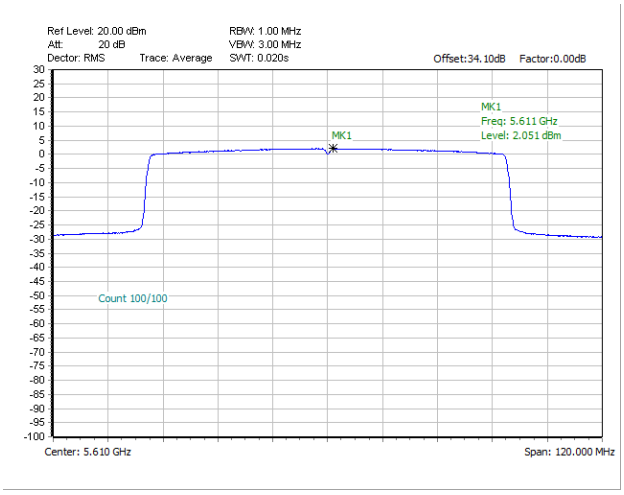
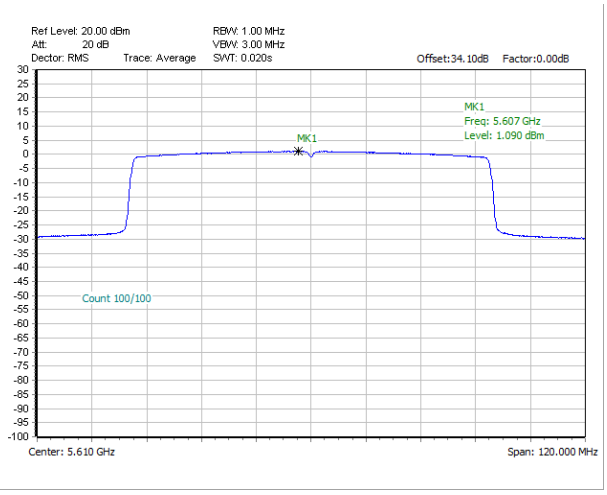


<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

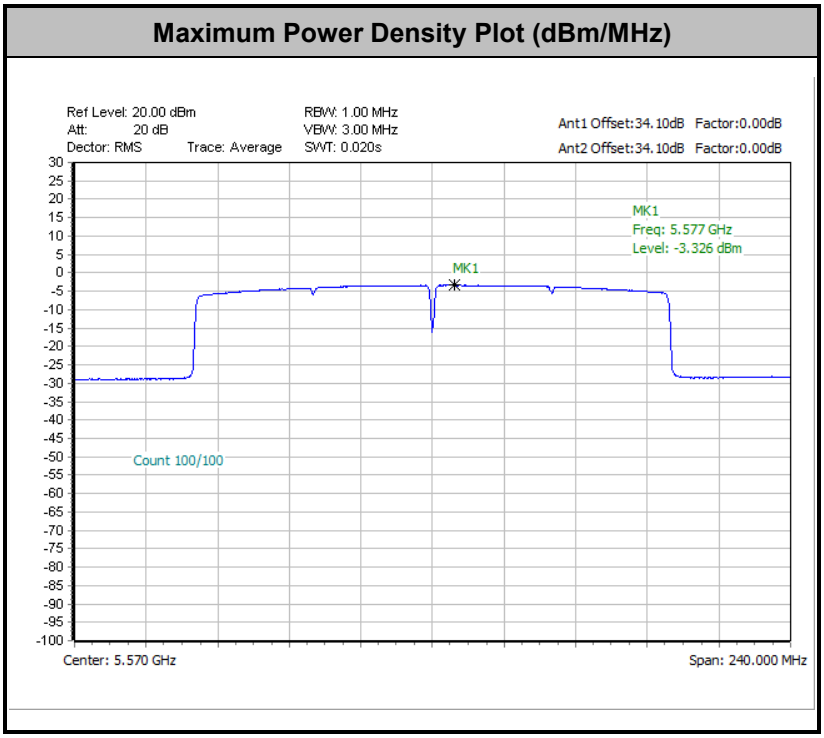


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

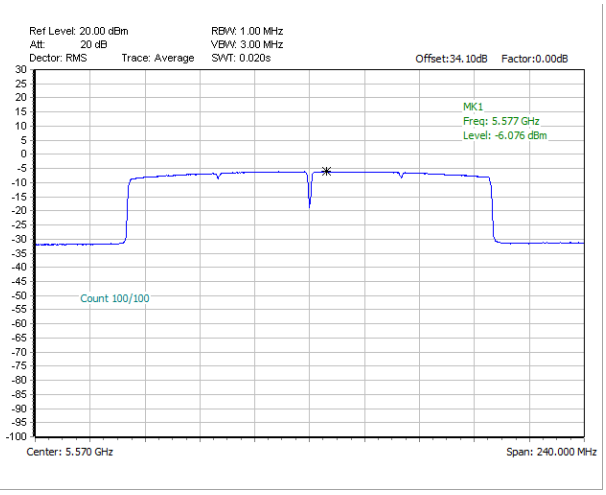
<802.11ax HE160>

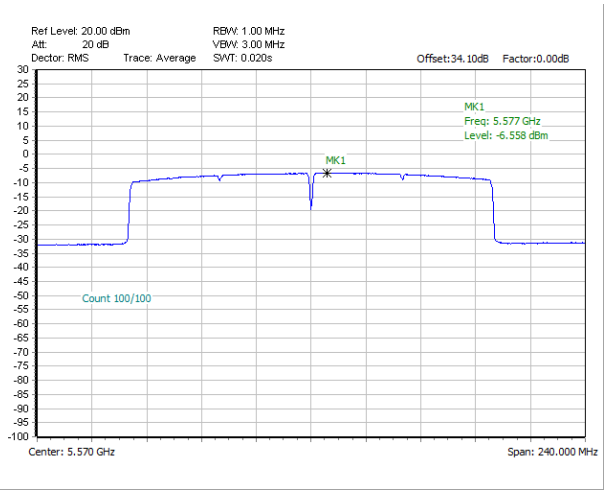
Maximum Power Density Plot (dBm/MHz)



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

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





3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

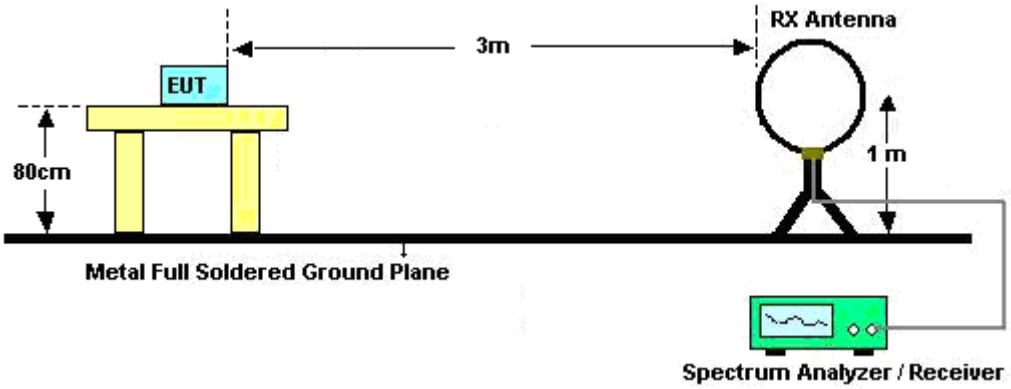
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

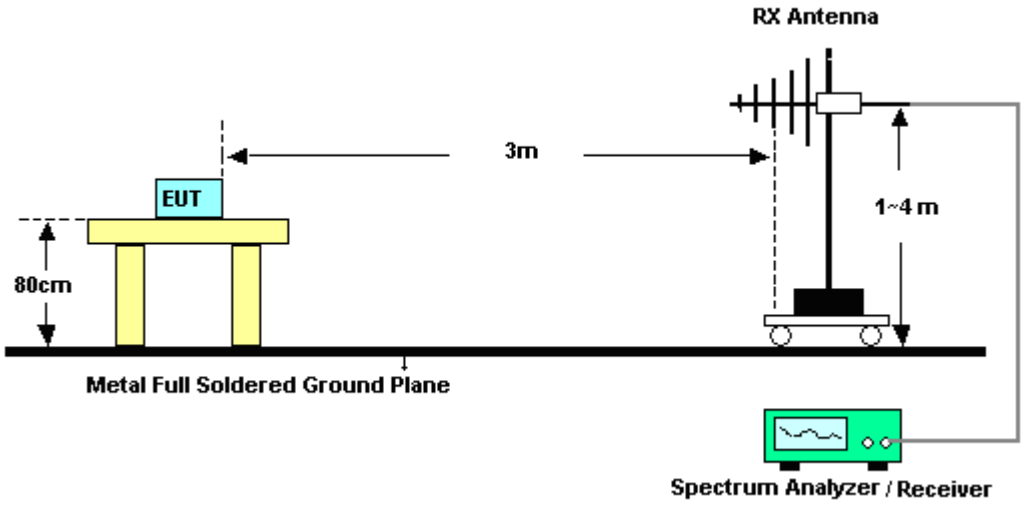
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

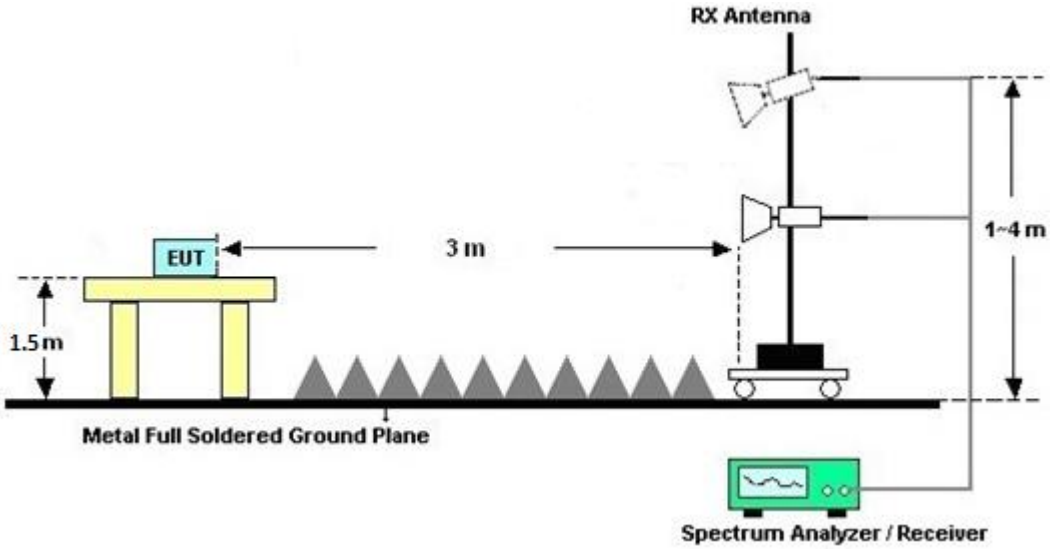
For radiated emissions below 30MHz



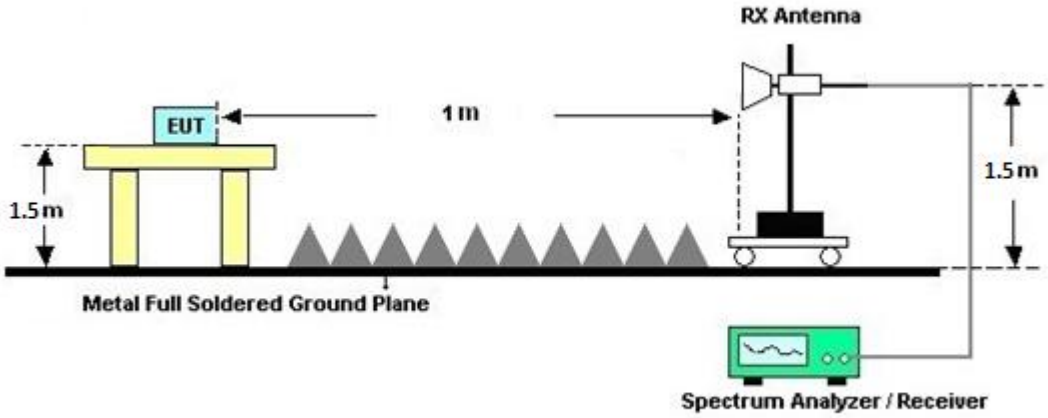
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

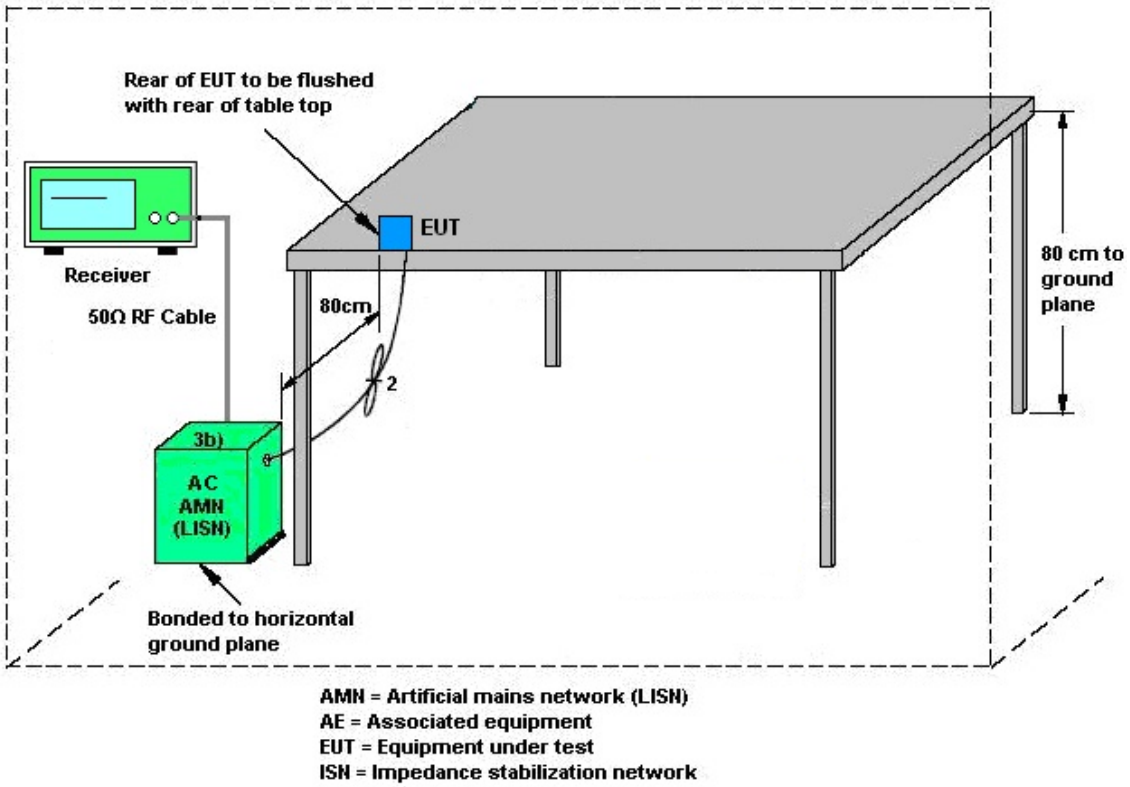
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Jan. 04, 2023~ Feb. 08, 2023	Nov. 16, 2023	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Sep. 04, 2022	Jan. 04, 2023~ Feb. 08, 2023	Sep. 03, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Jan. 04, 2023~ Feb. 08, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 14, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 14, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 1, 2022	Feb. 14, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	Feb. 14, 2023	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	Feb. 14, 2023	Feb. 15, 2023	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 04, 2022	Feb. 14, 2023	Mar. 03, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Fed. 24, 2022	Feb. 14, 2023	Feb. 23, 2023	Conduction (CO07-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 18, 2022	Jan. 24, 2023~ Feb. 28, 2023	Mar. 17, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	0103 & 07	30MHz~1GHz	Apr. 24, 2022	Jan. 24, 2023~ Feb. 28, 2023	Apr. 23, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	Jan. 24, 2023~ Feb. 28, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Jan. 24, 2023~ Feb. 28, 2023	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Jan. 24, 2023~ Feb. 28, 2023	May 13, 2023	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	17100018000 54002	1GHz~18GHz	Sep. 28, 2022	Jan. 24, 2023~ Feb. 28, 2023	Sep. 27, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz-18GHz	Mar. 08, 2022	Jan. 24, 2023~ Feb. 28, 2023	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	Jan. 24, 2023~ Feb. 28, 2023	Oct. 17, 2023	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Jan. 24, 2023~ Feb. 28, 2023	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 24, 2023~ Feb. 28, 2023	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 24, 2023~ Feb. 28, 2023	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jan. 24, 2023~ Feb. 28, 2023	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, MY9838/4PE, 519228/2	30MHz~18G	Jun. 21, 2022	Jan. 24, 2023~ Feb. 28, 2023	Jun. 20, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 03, 2023	Jan. 24, 2023~ Feb. 28, 2023	Jan. 02, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Jan. 24, 2023~ Feb. 28, 2023	Mar. 09, 2023	Radiation (03CH15-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.46 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.20 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.40 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.20 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/1/4~2023/2/8	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	16.53	16.43	20.60	19.65	-		22.16		-	
11a	6Mbps	2	44	5220	16.63	16.43	22.20	19.85	-		22.16			
11a	6Mbps	2	48	5240	16.58	16.43	22.05	19.80	-		22.16			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	18.80	18.30	21.57	24.00		0.10			Pass
11a	6Mbps	2	44	5220	19.50	19.00	22.27	24.00		0.10			Pass
11a	6Mbps	2	48	5240	19.50	19.10	22.31	24.00		0.10			Pass
HT20	MCS0	2	36	5180	18.20	17.80	21.01	24.00		0.10			Pass
HT20	MCS0	2	44	5220	19.60	19.20	22.41	24.00		0.10			Pass
HT20	MCS0	2	48	5240	19.50	19.20	22.36	24.00		0.10			Pass
HT40	MCS0	2	38	5190	17.70	17.10	20.42	24.00		0.10			Pass
HT40	MCS0	2	46	5230	18.90	18.30	21.62	24.00		0.10		-	Pass
VHT20	MCS0	2	36	5180	18.20	17.80	21.01	24.00		0.10			Pass
VHT20	MCS0	2	44	5220	19.50	19.40	22.46	24.00		0.10			Pass
VHT20	MCS0	2	48	5240	19.40	19.30	22.36	24.00		0.10			Pass
VHT40	MCS0	2	38	5190	17.70	17.10	20.42	24.00		0.10			Pass
VHT40	MCS0	2	46	5230	18.90	18.30	21.62	24.00		0.10			Pass
VHT80	MCS0	2	42	5210	17.50	17.00	20.27	24.00		0.10			Pass
VHT160	MCS0	2	50	5250	14.30	14.00	17.16	24.00		0.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	-		10.29	11.00		2.74	-	Pass
11a	6Mbps	2	44	5220			10.79	11.00		2.74		Pass
11a	6Mbps	2	48	5240			10.71	11.00		2.74		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	16.58	16.48	21.40	19.75	23.17		29.17		23.96		-
11a	6Mbps	2	60	5300	16.53	16.43	20.25	19.90	23.16		29.16		23.98		
11a	6Mbps	2	64	5320	16.48	16.43	20.15	19.55	23.16		29.16		23.91		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	19.60	19.20	22.41	23.96		-0.26		30	Pass
11a	6Mbps	2	60	5300	19.20	19.10	22.16	23.98		-0.26		30	Pass
11a	6Mbps	2	64	5320	17.80	17.50	20.66	23.91		-0.26		30	Pass
HT20	MCS0	2	52	5260	19.70	19.50	22.61	23.98		-0.26		30	Pass
HT20	MCS0	2	60	5300	19.70	19.70	22.71	23.98		-0.26		30	Pass
HT20	MCS0	2	64	5320	17.60	17.30	20.46	23.98		-0.26		30	Pass
HT40	MCS0	2	54	5270	18.80	18.60	21.71	23.98		-0.26		30	Pass
HT40	MCS0	2	62	5310	16.40	16.30	19.36	23.98		-0.26		30	Pass
VHT20	MCS0	2	52	5260	19.70	19.50	22.61	23.98		-0.26		30	Pass
VHT20	MCS0	2	60	5300	19.70	19.70	22.71	23.98		-0.26		30	Pass
VHT20	MCS0	2	64	5320	17.60	17.30	20.46	23.98		-0.26		30	Pass
VHT40	MCS0	2	54	5270	18.80	18.60	21.71	23.98		-0.26		30	Pass
VHT40	MCS0	2	62	5310	16.40	16.30	19.36	23.98		-0.26		30	Pass
VHT80	MCS0	2	58	5290	15.50	15.00	18.27	23.98		-0.26		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	-		10.92	11.00		2.61		-	Pass
11a	6Mbps	2	60	5300			10.60	11.00		2.61			Pass
11a	6Mbps	2	64	5320			9.31	11.00		2.61			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	16.48	16.43	20.00	19.50	23.16		29.16		23.90		----	----
11a	6Mbps	2	116	5580	16.78	16.48	29.25	21.10	23.17		29.17		23.98		----	----
11a	6Mbps	2	140	5700	16.48	16.43	19.70	19.80	23.16		29.16		23.94		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	13.29	13.29	15.45	17.10	22.24		28.24		22.89		3.2	3.2

Report Number : FR2D2704E

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	17.70	17.40	20.56	23.90		-1.02		30	Pass
11a	6Mbps	2	116	5580	19.40	18.80	22.12	23.98		-1.02		30	Pass
11a	6Mbps	2	140	5700	17.50	17.20	20.36	23.94		-1.02		30	Pass
HT20	MCS0	2	100	5500	16.10	15.90	19.01	23.98		-1.02		30	Pass
HT20	MCS0	2	116	5580	19.70	19.20	22.47	23.98		-1.02		30	Pass
HT20	MCS0	2	140	5700	16.70	16.30	19.51	23.98		-1.02		30	Pass
HT40	MCS0	2	102	5510	16.50	16.30	19.41	23.98		-1.02		30	Pass
HT40	MCS0	2	110	5550	18.80	18.40	21.61	23.98		-1.02		30	Pass
HT40	MCS0	2	134	5670	17.40	16.90	20.17	23.98		-1.02		30	Pass
VHT20	MCS0	2	100	5500	16.10	15.90	19.01	23.98		-1.02		30	Pass
VHT20	MCS0	2	116	5580	19.70	19.20	22.47	23.98		-1.02		30	Pass
VHT20	MCS0	2	140	5700	16.70	16.30	19.51	23.98		-1.02		30	Pass
VHT40	MCS0	2	102	5510	16.50	16.30	19.41	23.98		-1.02		30	Pass
VHT40	MCS0	2	110	5550	18.80	18.40	21.61	23.98		-1.02		30	Pass
VHT40	MCS0	2	134	5670	17.40	16.90	20.17	23.98		-1.02		30	Pass
VHT80	MCS0	2	106	5530	15.70	15.60	18.66	23.98		-1.02		30	Pass
VHT80	MCS0	2	122	5610	19.00	18.60	21.81	23.98		-1.02		30	Pass
VHT160	MCS0	2	114	5570	14.50	13.90	17.22	23.98		-1.02		30	Pass

FCC U-NII-2C straddle channel MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	19.20	18.90	22.06	22.89		-1.02		30	Pass
HT20	MCS0	2	144	5720	19.50	19.50	22.51	23.98		-1.02		30	Pass
HT40	MCS0	2	142	5710	18.60	18.80	21.71	23.98		-1.02		30	Pass
VHT20	MCS0	2	144	5720	19.50	19.50	22.51	23.98		-1.02		30	Pass
VHT40	MCS0	2	142	5710	18.60	18.80	21.71	23.98		-1.02		30	Pass
VHT80	MCS0	2	138	5690	18.60	18.70	21.66	23.98		-1.02		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	-		9.35	11.00		1.90		-	Pass
11a	6Mbps	2	116	5580			10.77	11.00		1.90			Pass
11a	6Mbps	2	140	5700			9.02	11.00		1.90			Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720			10.60	11.00		1.90			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	18.98	18.98	21.65	21.45	-		22.78		-	-
HE20	MCS0	2	44	5220	Full	19.18	18.98	29.80	22.05	-		22.78			
HE20	MCS0	2	48	5240	Full	19.13	19.03	30.35	21.95	-		22.79			
HE40	MCS0	2	38	5190	Full	37.96	37.96	40.86	40.14	-		23.01			
HE40	MCS0	2	46	5230	Full	38.06	37.96	40.86	40.23	-		23.01			
HE80	MCS0	2	42	5210	Full	77.32	77.20	83.36	83.04	-		23.01			
HE160	MCS0	2	50	5250	Full	156.56	156.32	166.40	166.40	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	18.30	17.80	21.07	24.00		0.10			Pass
HE20	MCS0	2	36	5180	26/0	9.10	8.30	11.73	24.00		0.10			Pass
HE20	MCS0	2	36	5180	52/37	12.30	11.50	14.93	24.00		0.10			Pass
HE20	MCS0	2	36	5180	106/53	15.40	14.50	17.98	24.00		0.10			Pass
HE20	MCS0	2	44	5220	Full	19.80	19.40	22.61	24.00		0.10			Pass
HE20	MCS0	2	44	5220	26/4	11.40	11.00	14.21	24.00		0.10			Pass
HE20	MCS0	2	44	5220	52/38	13.40	12.90	16.17	24.00		0.10			Pass
HE20	MCS0	2	44	5220	106/53	16.90	16.30	19.62	24.00		0.10			Pass
HE20	MCS0	2	48	5240	Full	19.70	19.40	22.56	24.00		0.10			Pass
HE20	MCS0	2	48	5240	26/8	10.10	9.80	12.96	24.00		0.10			Pass
HE20	MCS0	2	48	5240	52/40	13.00	12.80	15.91	24.00		0.10		-	Pass
HE20	MCS0	2	48	5240	106/54	16.20	15.80	19.01	24.00		0.10			Pass
HE40	MCS0	2	38	5190	Full	17.80	17.10	20.47	24.00		0.10			Pass
HE40	MCS0	2	38	5190	242/61	15.40	14.50	17.98	24.00		0.10			Pass
HE40	MCS0	2	46	5230	Full	19.00	18.30	21.67	24.00		0.10			Pass
HE40	MCS0	2	46	5230	242/62	16.40	15.80	19.12	24.00		0.10			Pass
HE80	MCS0	2	42	5210	Full	17.60	17.00	20.32	24.00		0.10			Pass
HE80	MCS0	2	42	5210	484/65	15.10	14.00	17.60	24.00		0.10			Pass
HE160	MCS0	2	50	5250	Full	14.30	14.10	17.21	24.00		0.10			Pass
HE160	MCS0	2	50	5250	996/67	12.20	11.50	14.87	24.00		0.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	36	5180	Full	-	-	9.15	11.00		2.74	-	Pass
HE20	MCS0	2	36	5180	26/0			9.04	11.00		2.74		Pass
HE20	MCS0	2	36	5180	52/37			9.12	11.00		2.74		Pass
HE20	MCS0	2	36	5180	106/53			9.13	11.00		2.74		Pass
HE20	MCS0	2	44	5220	Full			10.57	11.00		2.74		Pass
HE20	MCS0	2	44	5220	26/4			10.33	11.00		2.74		Pass
HE20	MCS0	2	44	5220	52/38			10.51	11.00		2.74		Pass
HE20	MCS0	2	44	5220	106/53			10.55	11.00		2.74		Pass
HE20	MCS0	2	48	5240	Full			10.55	11.00		2.74		Pass
HE20	MCS0	2	48	5240	26/8			10.25	11.00		2.74		Pass
HE20	MCS0	2	48	5240	52/40			10.31	11.00		2.74		Pass
HE20	MCS0	2	48	5240	106/54			10.33	11.00		2.74		Pass
HE40	MCS0	2	38	5190	Full			5.64	11.00		2.74		Pass
HE40	MCS0	2	38	5190	242/61			5.56	11.00		2.74		Pass
HE40	MCS0	2	46	5230	Full			6.93	11.00		2.74		Pass
HE40	MCS0	2	46	5230	242/62			6.73	11.00		2.74		Pass
HE80	MCS0	2	42	5210	Full			2.45	11.00		2.74		Pass
HE80	MCS0	2	42	5210	484/65			2.31	11.00		2.74		Pass
HE160	MCS0	2	50	5250	Full			-3.52	11.00		2.74		Pass
HE160	MCS0	2	50	5250	996/67			-3.56	11.00		2.74		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	52	5260	Full	19.03	18.98	27.65	22.80	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	18.98	18.98	23.85	22.90	23.78		29.78		23.98		
HE20	MCS0	2	64	5320	Full	18.98	18.89	21.70	21.55	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	38.06	37.96	40.86	40.68	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.96	40.68	40.59	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	77.08	82.88	83.04	23.98		30.00		23.98		

Report Number : FR2D2704E

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	52	5260	Full	19.70	19.60	22.66	23.98		-0.26		30	Pass
HE20	MCS0	2	52	5260	26/0	10.90	10.40	13.67	23.98		-0.26		30	Pass
HE20	MCS0	2	52	5260	52/37	13.80	13.50	16.66	23.98		-0.26		30	Pass
HE20	MCS0	2	52	5260	106/53	16.90	16.60	19.76	23.98		-0.26		30	Pass
HE20	MCS0	2	60	5300	Full	19.70	19.80	22.76	23.98		-0.26		30	Pass
HE20	MCS0	2	60	5300	26/4	11.10	11.50	14.31	23.98		-0.26		30	Pass
HE20	MCS0	2	60	5300	52/38	13.30	13.60	16.46	23.98		-0.26		30	Pass
HE20	MCS0	2	60	5300	106/53	16.80	16.80	19.81	23.98		-0.26		30	Pass
HE20	MCS0	2	64	5320	Full	17.60	17.40	20.51	23.98		-0.26		30	Pass
HE20	MCS0	2	64	5320	26/8	8.60	7.90	11.27	23.98		-0.26		30	Pass
HE20	MCS0	2	64	5320	52/40	11.00	10.60	13.81	23.98		-0.26		30	Pass
HE20	MCS0	2	64	5320	106/54	14.50	14.30	17.41	23.98		-0.26		30	Pass
HE40	MCS0	2	54	5270	Full	18.90	18.60	21.76	23.98		-0.26		30	Pass
HE40	MCS0	2	54	5270	242/61	16.50	16.10	19.31	23.98		-0.26		30	Pass
HE40	MCS0	2	62	5310	Full	16.50	16.30	19.41	23.98		-0.26		30	Pass
HE40	MCS0	2	62	5310	242/62	13.80	13.90	16.86	23.98		-0.26		30	Pass
HE80	MCS0	2	58	5290	Full	15.60	14.90	18.27	23.98		-0.26		30	Pass
HE80	MCS0	2	58	5290	484/66	12.40	11.80	15.12	23.98		-0.26		30	Pass
HE160	MCS0	2	50	5250	996/S67	11.00	11.30	14.16	23.98		-0.26		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	52	5260	Full			10.94	11.00		2.61		Pass
HE20	MCS0	2	52	5260	26/0			10.92	11.00		2.61		Pass
HE20	MCS0	2	52	5260	52/37			10.89	11.00		2.61		Pass
HE20	MCS0	2	52	5260	106/53			10.93	11.00		2.61		Pass
HE20	MCS0	2	60	5300	Full			10.97	11.00		2.61		Pass
HE20	MCS0	2	60	5300	26/4			10.63	11.00		2.61		Pass
HE20	MCS0	2	60	5300	52/38			10.82	11.00		2.61		Pass
HE20	MCS0	2	60	5300	106/53			10.95	11.00		2.61		Pass
HE20	MCS0	2	64	5320	Full			8.68	11.00		2.61		Pass
HE20	MCS0	2	64	5320	26/8	-		8.61	11.00		2.61	-	Pass
HE20	MCS0	2	64	5320	52/40			8.18	11.00		2.61		Pass
HE20	MCS0	2	64	5320	106/54			8.66	11.00		2.61		Pass
HE40	MCS0	2	54	5270	Full			6.99	11.00		2.61		Pass
HE40	MCS0	2	54	5270	242/61			6.84	11.00		2.61		Pass
HE40	MCS0	2	62	5310	Full			4.58	11.00		2.61		Pass
HE40	MCS0	2	62	5310	242/62			4.56	11.00		2.61		Pass
HE80	MCS0	2	58	5290	Full			0.55	11.00		2.61		Pass
HE80	MCS0	2	58	5290	484/66			0.24	11.00		2.61		Pass
HE160	MCS0	2	50	5250	996/S67			-3.65	11.00		2.61		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	100	5500	Full	18.93	18.98	21.70	21.55	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.98	18.98	22.15	24.55	23.78		29.78		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.93	21.70	21.70	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	37.96	40.59	40.68	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.96	40.59	41.31	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.96	37.86	40.86	40.59	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.20	82.88	82.72	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.20	77.32	83.20	83.04	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.32	156.08	166.08	165.76	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	144	5720	Full	14.49	14.54	16.55	17.50	22.61		28.61		23.19		4.55	4.55
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.25	35.25	23.98		30.00		23.98		4.08	3.99
HE80	MCS0	2	138	5690	Full	73.72	73.72	76.28	76.76	23.98		30.00		23.98		4.2	3.16

Report Number : FR2D2704E

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full	16.20	15.90	19.06	23.98		-1.02		30	Pass
HE20	MCS0	2	100	5500	26/0	6.80	6.80	9.81	23.98		-1.02		30	Pass
HE20	MCS0	2	100	5500	52/37	9.80	9.50	12.66	23.98		-1.02		30	Pass
HE20	MCS0	2	100	5500	106/53	12.80	12.70	15.76	23.98		-1.02		30	Pass
HE20	MCS0	2	116	5580	Full	19.80	19.20	22.52	23.98		-1.02		30	Pass
HE20	MCS0	2	116	5580	26/4	11.40	10.90	14.17	23.98		-1.02		30	Pass
HE20	MCS0	2	116	5580	52/38	13.40	13.00	16.21	23.98		-1.02		30	Pass
HE20	MCS0	2	116	5580	106/53	16.90	16.30	19.62	23.98		-1.02		30	Pass
HE20	MCS0	2	140	5700	Full	16.80	16.30	19.57	23.98		-1.02		30	Pass
HE20	MCS0	2	140	5700	26/8	7.20	7.20	10.21	23.98		-1.02		30	Pass
HE20	MCS0	2	140	5700	52/40	10.20	9.90	13.06	23.98		-1.02		30	Pass
HE20	MCS0	2	140	5700	106/54	13.40	12.90	16.17	23.98		-1.02		30	Pass
HE40	MCS0	2	102	5510	Full	16.60	16.30	19.46	23.98		-1.02		30	Pass
HE40	MCS0	2	102	5510	242/61	13.90	13.70	16.81	23.98		-1.02		30	Pass
HE40	MCS0	2	110	5550	Full	18.90	18.40	21.67	23.98		-1.02		30	Pass
HE40	MCS0	2	110	5550	242/61	16.40	16.00	19.21	23.98		-1.02		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	16.90	20.22	23.98		-1.02		30	Pass
HE40	MCS0	2	134	5670	242/62	14.90	14.20	17.57	23.98		-1.02		30	Pass
HE80	MCS0	2	106	5530	Full	15.80	15.60	18.71	23.98		-1.02		30	Pass
HE80	MCS0	2	106	5530	484/65	13.30	12.90	16.11	23.98		-1.02		30	Pass
HE80	MCS0	2	122	5610	Full	19.20	18.60	21.92	23.98		-1.02		30	Pass
HE80	MCS0	2	122	5610	484/66	16.60	15.80	19.23	23.98		-1.02		30	Pass
HE160	MCS0	2	114	5570	Full	14.50	14.00	17.27	23.98		-1.02		30	Pass
HE160	MCS0	2	114	5570	996/67	12.10	11.40	14.77	23.98		-1.02		30	Pass
HE160	MCS0	2	114	5570	996/S67	11.60	10.90	14.27	23.98		-1.02		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full	19.60	19.50	22.56	23.19		-1.02		30	Pass
HE20	MCS0	2	144	5720	26/8	10.40	10.10	13.26	23.19		-1.02		30	Pass
HE20	MCS0	2	144	5720	52/40	13.20	13.00	16.11	23.19		-1.02		30	Pass
HE20	MCS0	2	144	5720	106/54	16.50	16.30	19.41	23.19		-1.02		30	Pass
HE40	MCS0	2	142	5710	Full	18.70	18.80	21.76	23.98		-1.02		30	Pass
HE40	MCS0	2	142	5710	242/62	16.60	16.40	19.51	23.98		-1.02		30	Pass
HE80	MCS0	2	138	5690	Full	18.70	18.70	21.71	23.98		-1.02		30	Pass
HE80	MCS0	2	138	5690	484/66	16.30	15.80	19.07	23.98		-1.02		30	Pass

Report Number : FR2D2704E

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full			7.21	11.00		1.90			Pass
HE20	MCS0	2	100	5500	26/0			6.85	11.00		1.90			Pass
HE20	MCS0	2	100	5500	52/37			7.04	11.00		1.90			Pass
HE20	MCS0	2	100	5500	106/53			7.08	11.00		1.90			Pass
HE20	MCS0	2	116	5580	Full			10.89	11.00		1.90			Pass
HE20	MCS0	2	116	5580	26/4			10.56	11.00		1.90			Pass
HE20	MCS0	2	116	5580	52/38			10.70	11.00		1.90			Pass
HE20	MCS0	2	116	5580	106/53			10.76	11.00		1.90			Pass
HE20	MCS0	2	140	5700	Full			7.60	11.00		1.90			Pass
HE20	MCS0	2	140	5700	26/8			7.08	11.00		1.90			Pass
HE20	MCS0	2	140	5700	52/40			7.46	11.00		1.90			Pass
HE20	MCS0	2	140	5700	106/54			7.50	11.00		1.90			Pass
HE40	MCS0	2	102	5510	Full		-	4.67	11.00		1.90		-	Pass
HE40	MCS0	2	102	5510	242/61			4.42	11.00		1.90			Pass
HE40	MCS0	2	110	5550	Full			7.09	11.00		1.90			Pass
HE40	MCS0	2	110	5550	242/61			6.81	11.00		1.90			Pass
HE40	MCS0	2	134	5670	Full			5.38	11.00		1.90			Pass
HE40	MCS0	2	134	5670	242/62			5.27	11.00		1.90			Pass
HE80	MCS0	2	106	5530	Full			1.20	11.00		1.90			Pass
HE80	MCS0	2	106	5530	484/65			0.94	11.00		1.90			Pass
HE80	MCS0	2	122	5610	Full			4.58	11.00		1.90			Pass
HE80	MCS0	2	122	5610	484/66			4.37	11.00		1.90			Pass
HE160	MCS0	2	114	5570	Full			-3.33	11.00		1.90			Pass
HE160	MCS0	2	114	5570	996/67			-3.35	11.00		1.90			Pass
HE160	MCS0	2	114	5570	996/S67			-3.58	11.00		1.90			Pass

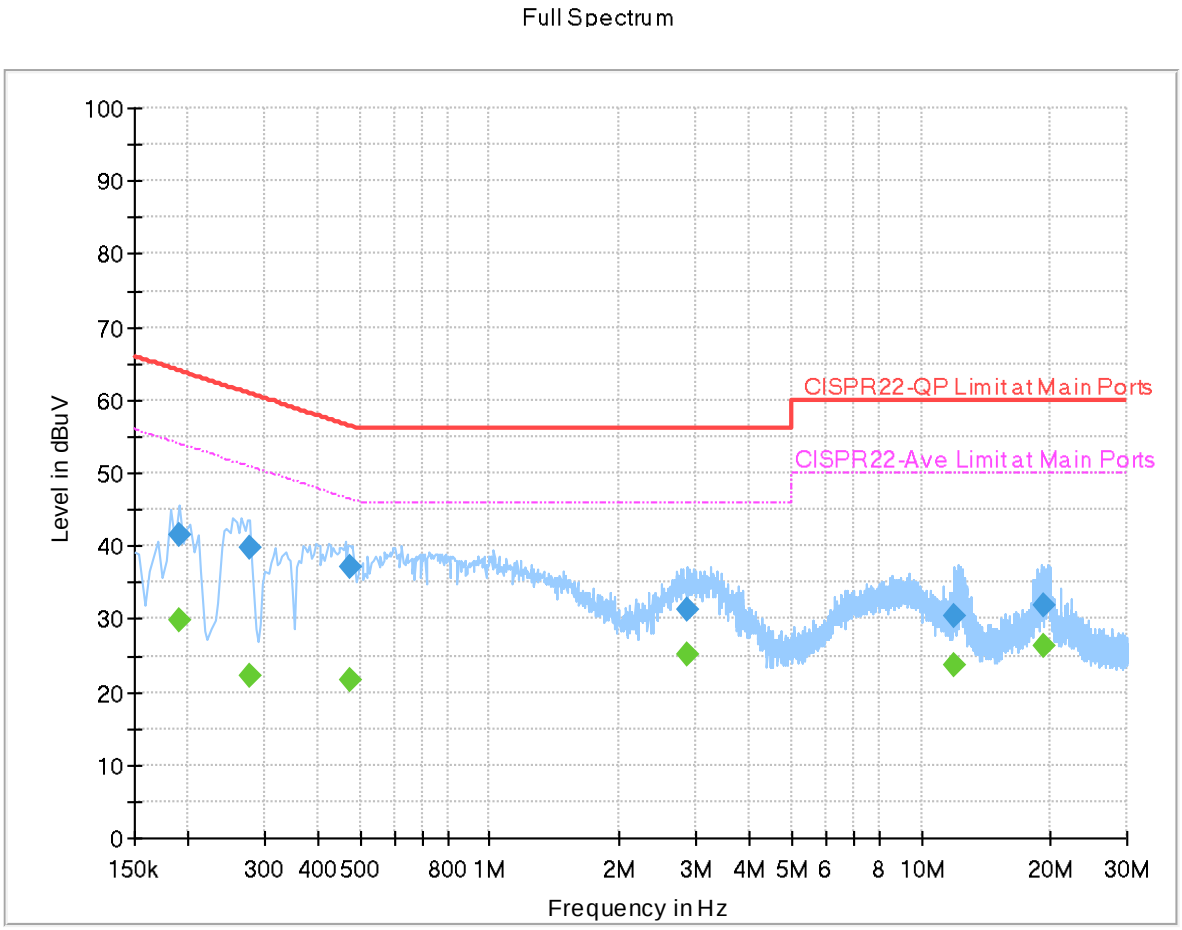
U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full			10.82	11.00		1.90			Pass
HE20	MCS0	2	144	5720	26/8			10.51	11.00		1.90			Pass
HE20	MCS0	2	144	5720	52/40			10.47	11.00		1.90			Pass
HE20	MCS0	2	144	5720	106/54			10.65	11.00		1.90			Pass
HE40	MCS0	2	142	5710	Full		-	7.08	11.00		1.90		-	Pass
HE40	MCS0	2	142	5710	242/62			7.02	11.00		1.90			Pass
HE80	MCS0	2	138	5690	Full			4.10	11.00		1.90			Pass
HE80	MCS0	2	138	5690	484/66			4.02	11.00		1.90			Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20.2~23.4℃
		Relative Humidity :	55.6~71.3%

EUT Information

Report NO :	2D2704
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

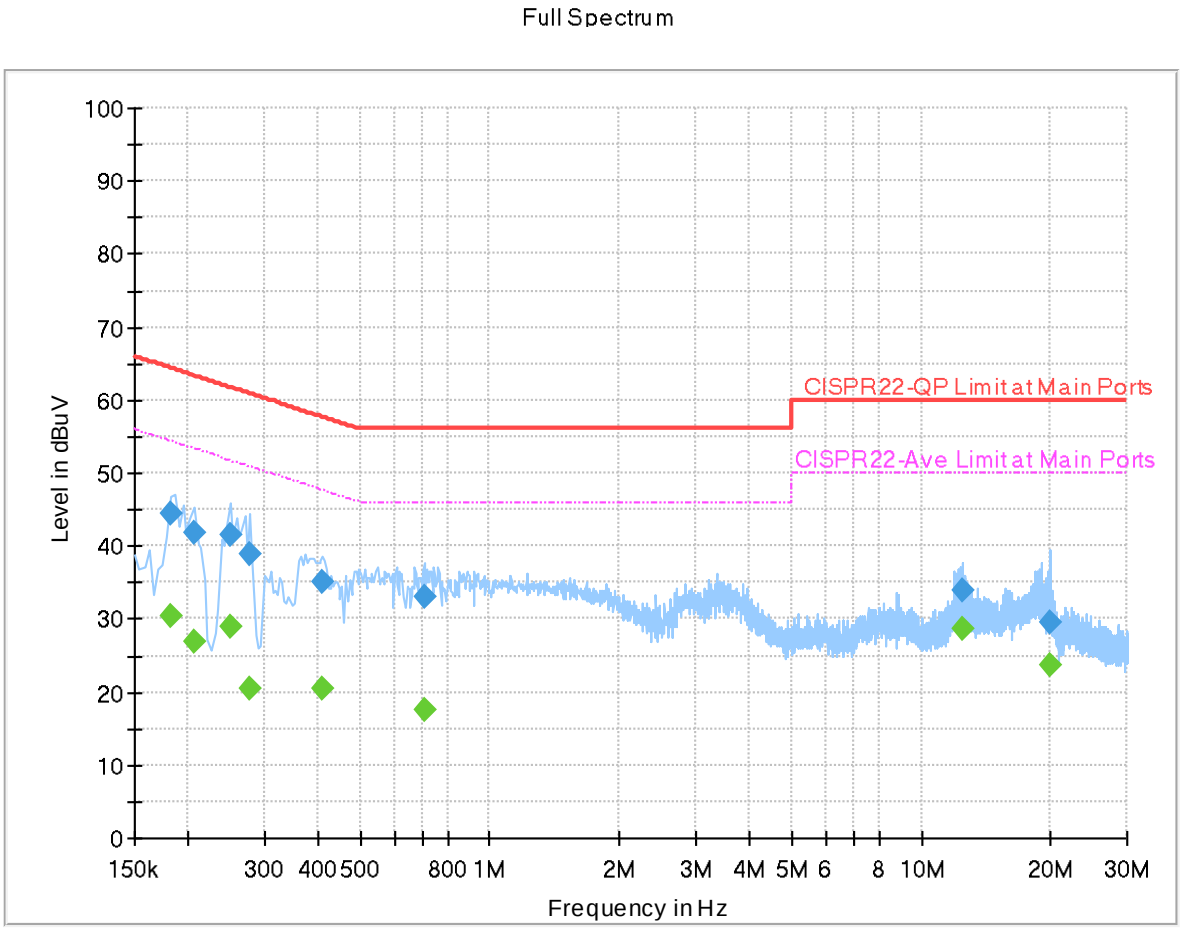


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.190000	---	29.96	54.04	24.08	L1	OFF	20.0
0.190000	41.63	---	64.04	22.41	L1	OFF	20.0
0.278000	---	22.09	50.88	28.79	L1	OFF	20.0
0.278000	39.91	---	60.88	20.97	L1	OFF	20.0
0.474000	---	21.58	46.44	24.86	L1	OFF	20.0
0.474000	37.08	---	56.44	19.36	L1	OFF	20.0
2.870000	---	25.15	46.00	20.85	L1	OFF	20.0
2.870000	31.20	---	56.00	24.80	L1	OFF	20.0
11.974000	---	23.71	50.00	26.29	L1	OFF	20.2
11.974000	30.27	---	60.00	29.73	L1	OFF	20.2
19.166000	---	26.38	50.00	23.62	L1	OFF	20.2
19.166000	32.00	---	60.00	28.00	L1	OFF	20.2

EUT Information

Report NO :	2D2704
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)
0.182000	---	30.30	54.39	24.09	N	OFF	20.0
0.182000	44.35	---	64.39	20.04	N	OFF	20.0
0.206000	---	26.83	53.37	26.54	N	OFF	20.0
0.206000	41.90	---	63.37	21.47	N	OFF	20.0
0.250000	---	28.85	51.76	22.91	N	OFF	20.0
0.250000	41.62	---	61.76	20.14	N	OFF	20.0
0.278000	---	20.56	50.88	30.32	N	OFF	20.0
0.278000	38.75	---	60.88	22.13	N	OFF	20.0
0.410000	---	20.50	47.65	27.15	N	OFF	20.0
0.410000	35.23	---	57.65	22.42	N	OFF	20.0
0.706000	---	17.41	46.00	28.59	N	OFF	20.0
0.706000	32.99	---	56.00	23.01	N	OFF	20.0
12.486000	---	28.51	50.00	21.49	N	OFF	20.2
12.486000	33.97	---	60.00	26.03	N	OFF	20.2
19.998000	---	23.74	50.00	26.26	N	OFF	20.3
19.998000	29.52	---	60.00	30.48	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Eric Shou, Quentin Liu and Bigshow Wang	**Temperature :**	21~26°C
		Relative Humidity :	45~60%

<Sample 1 with Battery 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 0+1		(MHz)	(dBµV/m)	(dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 36 5180MHz		5149.8	60.91	-13.09	74	55.34	33.2	9.1	36.73	296	322	P	H
		5150	47.19	-6.81	54	41.62	33.2	9.1	36.73	296	322	A	H
	*	5180	111	-	-	105.43	33.14	9.16	36.73	296	322	P	H
	*	5180	103.55	-	-	97.98	33.14	9.16	36.73	296	322	A	H
													H
													H
		5150	65.67	-8.33	74	60.1	33.2	9.1	36.73	111	352	P	V
		5150	51.27	-2.73	54	45.7	33.2	9.1	36.73	111	352	A	V
	*	5180	113.82	-	-	108.25	33.14	9.16	36.73	111	352	P	V
	*	5180	108.05	-	-	102.48	33.14	9.16	36.73	111	352	A	V
													V
													V
802.11a CH 44 5220MHz		5145.13	48.52	-25.48	74	42.96	33.2	9.09	36.73	150	223	P	H
		5149.5	38.51	-15.49	54	32.94	33.2	9.1	36.73	150	223	A	H
	*	5220	110.13	-	-	104.62	33.02	9.22	36.73	150	223	P	H
	*	5220	102.81	-	-	97.3	33.02	9.22	36.73	150	223	A	H
		5416.25	48.34	-25.66	74	42.62	33	9.44	36.72	150	223	P	H
		5350	36.9	-17.1	54	31.35	32.9	9.37	36.72	150	223	A	H
		5149.5	50.15	-23.85	74	44.58	33.2	9.1	36.73	100	337	P	V
		5149.5	40.19	-13.81	54	34.62	33.2	9.1	36.73	100	337	A	V
	*	5220	116.43	-	-	110.92	33.02	9.22	36.73	100	337	P	V
	*	5220	109.77	-	-	104.26	33.02	9.22	36.73	100	337	A	V
		5362.5	48.98	-25.02	74	43.38	32.93	9.39	36.72	100	337	P	V
		5352	38.8	-15.2	54	33.25	32.9	9.37	36.72	100	337	A	V

802.11a CH 48 5240MHz		5135	47.86	-26.14	74	42.32	33.2	9.07	36.73	150	120	P	H
		5149.25	38.01	-15.99	54	32.44	33.2	9.1	36.73	150	120	A	H
	*	5240	110.26	-	-	104.8	32.94	9.25	36.73	150	120	P	H
	*	5240	103.17	-	-	97.71	32.94	9.25	36.73	150	120	A	H
		5415.38	48.02	-25.98	74	42.3	33	9.44	36.72	150	120	P	H
		5352.36	37.4	-16.6	54	31.84	32.9	9.38	36.72	150	120	A	H
		5144	49.48	-24.52	74	43.92	33.2	9.09	36.73	100	337	P	V
		5149.25	39.61	-14.39	54	34.04	33.2	9.1	36.73	100	337	A	V
	*	5240	115.99	-	-	110.53	32.94	9.25	36.73	100	337	P	V
	*	5240	108.99	-	-	103.53	32.94	9.25	36.73	100	337	A	V
		5351.9	49.86	-24.14	74	44.31	32.9	9.37	36.72	100	337	P	V
		5352.13	39.86	-14.14	54	34.31	32.9	9.37	36.72	100	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 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6906.667	59.95	-8.25	68.2	49.67	35.6	11.35	36.67	298	305	P	H
		10360	52.53	-15.67	68.2	55.75	38.74	12.88	54.84	-	-	P	H
		15540	52.53	-21.47	74	53.73	38.06	15.57	54.83	-	-	P	H
		15540	42.58	-11.42	54	43.78	38.06	15.57	54.83	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 36 5180MHz		6906.667	63.07	-5.13	68.2	68.33	35.6	11.35	52.21	100	20	P	V
		10360	52.53	-15.67	68.2	55.75	38.74	12.88	54.84	-	-	P	V
		15540	52.53	-21.47	74	53.73	38.06	15.57	54.83	-	-	P	V
		15540	42.56	-11.44	54	43.76	38.06	15.57	54.83	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6959.999	55.66	-12.54	68.2	60.96	35.64	11.32	52.26	298	303	P	H
		10440	51.91	-16.29	68.2	55.12	38.74	12.93	54.88	-	-	P	H
		15660	51.15	-22.85	74	52.71	37.76	15.61	54.93	-	-	P	H
		15660	41.22	-12.78	54	42.78	37.76	15.61	54.93	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz		6959.999	58.95	-9.25	68.2	64.25	35.64	11.32	52.26	149	20	P	V
		10440	52.61	-15.59	68.2	55.82	38.74	12.93	54.88	-	-	P	V
		15660	51.45	-22.55	74	53.01	37.76	15.61	54.93	-	-	P	V
		15660	42.57	-11.43	54	44.13	37.76	15.61	54.93	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6986.667	54.79	-13.41	68.2	60.03	35.75	11.3	52.29	297	303	P	H
		10480	52.56	-15.64	68.2	55.72	38.78	12.95	54.89	-	-	P	H
		15720	51.18	-22.82	74	52.88	37.64	15.64	54.98	-	-	P	H
		15720	41.56	-12.44	54	43.26	37.64	15.64	54.98	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz		6986.667	59.41	-8.79	68.2	64.65	35.75	11.3	52.29	151	20	P	V
		10480	51.55	-16.65	68.2	54.71	38.78	12.95	54.89	-	-	P	V
		15720	52.14	-21.86	74	53.84	37.64	15.64	54.98	-	-	P	V
		15720	42.16	-11.84	54	43.86	37.64	15.64	54.98	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149	65.98	-8.02	74	60.41	33.2	9.1	36.73	147	335	P	H
		5150	46.32	-7.68	54	40.75	33.2	9.1	36.73	147	335	A	H
	*	5180	110.12	-	-	104.55	33.14	9.16	36.73	147	335	P	H
	*	5180	103.3	-	-	97.73	33.14	9.16	36.73	147	335	A	H
802.11ax													H
HE20 Full													H
CH 36		5149.8	68.56	-5.44	74	62.99	33.2	9.1	36.73	137	331	P	V
5180MHz		5150	49.91	-4.09	54	44.34	33.2	9.1	36.73	137	331	A	V
	*	5180	115.47	-	-	109.9	33.14	9.16	36.73	137	331	P	V
	*	5180	107.64	-	-	102.07	33.14	9.16	36.73	137	331	A	V
													V
													V
		5120.52	48.73	-25.27	74	43.21	33.2	9.05	36.73	300	320	P	H
		5149.04	38.72	-15.28	54	33.15	33.2	9.1	36.73	300	320	A	H
	*	5220	114.3	-	-	108.79	33.02	9.22	36.73	300	320	P	H
	*	5220	105.96	-	-	100.45	33.02	9.22	36.73	300	320	A	H
802.11ax		5443.75	48.1	-25.9	74	42.37	33	9.45	36.72	300	320	P	H
HE20 Full		5350.75	37.19	-16.81	54	31.64	32.9	9.37	36.72	300	320	A	H
CH 44		5136.85	50.16	-23.84	74	44.61	33.2	9.08	36.73	100	335	P	V
5220MHz		5148.12	40	-14	54	34.43	33.2	9.1	36.73	100	335	A	V
	*	5220	116.78	-	-	111.27	33.02	9.22	36.73	100	335	P	V
	*	5220	109.64	-	-	104.13	33.02	9.22	36.73	100	335	A	V
		5365.5	49.74	-24.26	74	44.14	32.93	9.39	36.72	100	335	P	V
		5350	38.72	-15.28	54	33.17	32.9	9.37	36.72	100	335	A	V

		5145	49.22	-24.78	74	43.66	33.2	9.09	36.73	300	324	P	H
		5088.75	38.72	-15.28	54	33.27	33.2	8.98	36.73	300	324	A	H
	*	5240	115.21	-	-	109.75	32.94	9.25	36.73	300	324	P	H
	*	5240	106.38	-	-	100.92	32.94	9.25	36.73	300	324	A	H
802.11ax		5386.4	47.85	-26.15	74	42.19	32.97	9.41	36.72	300	324	P	H
HE20 Full		5353.05	37.58	-16.42	54	32.01	32.91	9.38	36.72	300	324	A	H
CH 48		5147.75	49.55	-24.45	74	43.98	33.2	9.1	36.73	100	335	P	V
5240MHz		5089.25	39.64	-14.36	54	34.19	33.2	8.98	36.73	100	335	A	V
	*	5240	117.7	-	-	112.24	32.94	9.25	36.73	100	335	P	V
	*	5240	110.09	-	-	104.63	32.94	9.25	36.73	100	335	A	V
		5351.21	49.15	-24.85	74	43.6	32.9	9.37	36.72	100	335	P	V
		5352.82	39.61	-14.39	54	34.04	32.91	9.38	36.72	100	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 HE20 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6906.667	54.88	-13.32	68.2	60.14	35.6	11.35	52.21	344	309	P	H
		10360	52.06	-16.14	68.2	55.28	38.74	12.88	54.84	-	-	P	H
		15540	51.71	-22.29	74	52.91	38.06	15.57	54.83	-	-	P	H
		15540	41.73	-12.27	54	42.93	38.06	15.57	54.83	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		6906.667	59.45	-8.75	68.2	64.71	35.6	11.35	52.21	142	18	P	V
5180MHz		10360	52.38	-15.82	68.2	55.6	38.74	12.88	54.84	-	-	P	V
		15540	51.06	-22.94	74	52.26	38.06	15.57	54.83	-	-	P	V
		15540	41.09	-12.91	54	42.29	38.06	15.57	54.83	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6960	54.85	-13.35	68.2	60.15	35.64	11.32	52.26	344	299	P	H
		10440	52.68	-15.52	68.2	55.89	38.74	12.93	54.88	-	-	P	H
		15660	50.56	-23.44	74	52.12	37.76	15.61	54.93	-	-	P	H
		15660	40.67	-13.33	54	42.23	37.76	15.61	54.93	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		6960	59.22	-8.98	68.2	64.52	35.64	11.32	52.26	134	19	P	V
5220MHz		10440	51.56	-16.64	68.2	54.77	38.74	12.93	54.88	-	-	P	V
		15660	50.85	-23.15	74	52.41	37.76	15.61	54.93	-	-	P	V
		15660	40.97	-13.03	54	42.53	37.76	15.61	54.93	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6986.667	54.89	-13.31	68.2	60.13	35.75	11.3	52.29	351	306	P	H
		10480	50.55	-17.65	68.2	53.71	38.78	12.95	54.89	-	-	P	H
		15720	50.49	-23.51	74	52.19	37.64	15.64	54.98	-	-	P	H
		15720	40.56	-13.44	54	42.26	37.64	15.64	54.98	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		6986.667	60.24	-7.96	68.2	65.48	35.75	11.3	52.29	149	22	P	V
5240MHz		10480	50.41	-17.79	68.2	53.57	38.78	12.95	54.89	-	-	P	V
		15720	49.44	-24.56	74	51.14	37.64	15.64	54.98	-	-	P	V
		15720	39.56	-14.44	54	41.26	37.64	15.64	54.98	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.6	66.24	-7.76	74	60.67	33.2	9.1	36.73	300	314	P	H
		5150	44.53	-9.47	54	38.96	33.2	9.1	36.73	300	314	A	H
	*	5180	115.41	-	-	109.84	33.14	9.16	36.73	300	314	P	H
802.11ax	*	5180	105.79	-	-	100.22	33.14	9.16	36.73	300	314	A	H
HE20													H
Partial													H
106/53		5149.6	69.31	-4.69	74	63.74	33.2	9.1	36.73	150	322	P	V
CH 36		5149.8	47.14	-6.86	54	41.57	33.2	9.1	36.73	150	322	A	V
5180MHz	*	5180	115.89	-	-	110.32	33.14	9.16	36.73	150	322	P	V
	*	5180	108.39	-	-	102.82	33.14	9.16	36.73	150	322	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.5	65.94	-8.06	74	60.37	33.2	9.1	36.73	157	343	P	H
		5150	50.85	-3.15	54	45.28	33.2	9.1	36.73	157	343	A	H
	*	5190	108.49	-	-	102.92	33.12	9.18	36.73	157	343	P	H
	*	5190	99.52	-	-	93.95	33.12	9.18	36.73	157	343	A	H
802.11ax		5355.3	47.49	-26.51	74	41.92	32.91	9.38	36.72	157	343	P	H
HE40 Full		5351.1	37.31	-16.69	54	31.76	32.9	9.37	36.72	157	343	A	H
CH 38		5150	66.2	-7.8	74	60.63	33.2	9.1	36.73	106	359	P	V
5190MHz		5149.82	51.28	-2.72	54	45.71	33.2	9.1	36.73	106	359	A	V
	*	5190	111.99	-	-	106.42	33.12	9.18	36.73	106	359	P	V
	*	5190	102.79	-	-	97.22	33.12	9.18	36.73	106	359	A	V
		5350.8	49.82	-24.18	74	44.27	32.9	9.37	36.72	106	359	P	V
		5350	40.18	-13.82	54	34.63	32.9	9.37	36.72	106	359	A	V
		5148.72	50.35	-23.65	74	44.78	33.2	9.1	36.73	153	118	P	H
		5150	40.94	-13.06	54	35.37	33.2	9.1	36.73	153	118	A	H
	*	5230	109.05	-	-	103.57	32.98	9.23	36.73	153	118	P	H
	*	5230	100.56	-	-	95.08	32.98	9.23	36.73	153	118	A	H
802.11ax		5350.54	50.17	-23.83	74	44.62	32.9	9.37	36.72	153	118	P	H
HE40 Full		5351.06	40.03	-13.97	54	34.48	32.9	9.37	36.72	153	118	A	H
CH 46		5150	54.13	-19.87	74	48.56	33.2	9.1	36.73	100	340	P	V
5230MHz		5150	44.47	-9.53	54	38.9	33.2	9.1	36.73	100	340	A	V
	*	5230	114.75	-	-	109.27	32.98	9.23	36.73	100	340	P	V
	*	5230	106.37	-	-	100.89	32.98	9.23	36.73	100	340	A	V
		5371.08	52.68	-21.32	74	47.06	32.94	9.4	36.72	100	340	P	V
		5361.72	43.62	-10.38	54	38.03	32.92	9.39	36.72	100	340	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6920	55.11	-13.09	68.2	60.39	35.6	11.34	52.22	344	301	P	H
		10380	52.7	-15.5	68.2	55.94	38.72	12.89	54.85	-	-	P	H
		15570	51.04	-22.96	74	52.29	38.03	15.58	54.86	-	-	P	H
		15570	41.08	-12.92	54	42.33	38.03	15.58	54.86	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		6920	59.79	-8.41	68.2	65.07	35.6	11.34	52.22	149	19	P	V
5190MHz		10380	52.96	-15.24	68.2	56.2	38.72	12.89	54.85	-	-	P	V
		15570	51.25	-22.75	74	52.5	38.03	15.58	54.86	-	-	P	V
		15570	41.31	-12.69	54	42.56	38.03	15.58	54.86	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6973.333	56.86	-11.34	68.2	62.13	35.69	11.31	52.27	349	300	P	H
		10460	52.13	-16.07	68.2	55.31	38.76	12.94	54.88	-	-	P	H
		15690	51.33	-22.67	74	53.02	37.64	15.62	54.95	-	-	P	H
		15690	41.37	-12.63	54	43.06	37.64	15.62	54.95	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		6973.333	60	-8.2	68.2	65.27	35.69	11.31	52.27	142	19	P	V
5230MHz		10460	52.22	-15.98	68.2	55.4	38.76	12.94	54.88	-	-	P	V
		15690	51.02	-22.98	74	52.71	37.64	15.62	54.95	-	-	P	V
		15690	41.04	-12.96	54	42.73	37.64	15.62	54.95	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5141.02	67.22	-6.78	74	61.67	33.2	9.08	36.73	291	314	P	H
		5145.64	44	-10	54	38.44	33.2	9.09	36.73	291	314	A	H
	*	5190	110.02	-	-	104.45	33.12	9.18	36.73	291	314	P	H
	*	5190	101.25	-	-	95.68	33.12	9.18	36.73	291	314	A	H
		5366.7	47.77	-26.23	74	42.17	32.93	9.39	36.72	291	314	P	H
		5353.2	37.53	-16.47	54	31.96	32.91	9.38	36.72	291	314	A	H
		5148.06	70.3	-3.7	74	64.73	33.2	9.1	36.73	150	318	P	V
		5148.06	45.6	-8.4	54	40.03	33.2	9.1	36.73	150	318	A	V
	*	5190	111.93	-	-	106.36	33.12	9.18	36.73	150	318	P	V
	*	5190	104.16	-	-	98.59	33.12	9.18	36.73	150	318	A	V
		5411.1	50.27	-23.73	74	44.56	33	9.43	36.72	150	318	P	V
		5350.2	39.52	-14.48	54	33.97	32.9	9.37	36.72	150	318	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5133	61.82	-12.18	74	56.28	33.2	9.07	36.73	312	330	P	H
		5150	46.9	-7.1	54	41.33	33.2	9.1	36.73	312	330	A	H
	*	5210	104.32	-	-	98.78	33.06	9.21	36.73	312	330	P	H
	*	5210	96.44	-	-	90.9	33.06	9.21	36.73	312	330	A	H
		5447.96	46.89	-27.11	74	41.16	33	9.45	36.72	312	330	P	H
		5361.16	38.03	-15.97	54	32.44	32.92	9.39	36.72	312	330	A	H
		5144	67.5	-6.5	74	61.94	33.2	9.09	36.73	167	327	P	V
		5145.5	51.56	-2.44	54	46	33.2	9.09	36.73	167	327	A	V
	*	5210	108.35	-	-	102.81	33.06	9.21	36.73	167	327	P	V
	*	5210	101.18	-	-	95.64	33.06	9.21	36.73	167	327	A	V
		5369.28	52.1	-21.9	74	46.49	32.94	9.39	36.72	167	327	P	V
		5375.16	42.51	-11.49	54	36.88	32.95	9.4	36.72	167	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 HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		6946.667	54.96	-13.24	68.2	60.29	35.6	11.32	52.25	344	303	P	H
		10420	52.81	-15.39	68.2	56.04	38.72	12.92	54.87	-	-	P	H
		15630	51.76	-22.24	74	53.18	37.88	15.6	54.9	-	-	P	H
		15630	41.8	-12.2	54	43.22	37.88	15.6	54.9	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		6945.6	59.98	-8.22	68.2	65.3	35.6	11.33	52.25	145	20	P	V
5210MHz		10420	52.97	-15.23	68.2	56.2	38.72	12.92	54.87	-	-	P	V
		15630	51.29	-22.71	74	52.71	37.88	15.6	54.9	-	-	P	V
		15630	41.36	-12.64	54	42.78	37.88	15.6	54.9	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5149.76	68.19	-5.81	74	62.62	33.2	9.1	36.73	300	327	P	H
		5145.6	47.36	-6.64	54	41.8	33.2	9.09	36.73	300	327	A	H
	*	5210	108.54	-	-	103	33.06	9.21	36.73	300	327	P	H
	*	5210	98.59	-	-	93.05	33.06	9.21	36.73	300	327	A	H
		5370.6	54.3	-19.7	74	48.68	32.94	9.4	36.72	300	327	P	H
		5361.3	38.18	-15.82	54	32.59	32.92	9.39	36.72	300	327	A	H
		5149.5	71.42	-2.58	74	65.85	33.2	9.1	36.73	102	346	P	V
		5145.6	50.42	-3.58	54	44.86	33.2	9.09	36.73	102	346	A	V
	*	5210	111.19	-	-	105.65	33.06	9.21	36.73	102	346	P	V
	*	5210	101.75	-	-	96.21	33.06	9.21	36.73	102	346	A	V
		5378.7	61.29	-12.71	74	55.64	32.96	9.41	36.72	102	346	P	V
		5369.7	40.75	-13.25	54	35.13	32.94	9.4	36.72	102	346	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5115.6	53.34	-20.66	74	47.83	33.2	9.04	36.73	284	328	P	H
		5112.2	43.09	-10.91	54	37.59	33.2	9.03	36.73	284	328	A	H
	*	5250	100.42	-	-	94.98	32.9	9.26	36.72	284	328	P	H
	*	5250	91.85	-	-	86.41	32.9	9.26	36.72	284	328	A	H
		5406.6	58.71	-15.29	74	53	33	9.43	36.72	284	328	P	H
		5362.2	46.98	-7.02	54	41.39	32.92	9.39	36.72	284	328	A	H
		5123.42	54.15	-19.85	74	48.63	33.2	9.05	36.73	158	327	P	V
		5116.28	44.15	-9.85	54	38.64	33.2	9.04	36.73	158	327	A	V
	*	5250	104.93	-	-	99.49	32.9	9.26	36.72	158	327	P	V
	*	5250	95.89	-	-	90.45	32.9	9.26	36.72	158	327	A	V
		5394	62.89	-11.11	74	57.2	32.99	9.42	36.72	158	327	P	V
		5376.9	52.14	-1.86	54	46.51	32.95	9.4	36.72	158	327	A	V
Remark													

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7001.6	57	-11.2	68.2	62.2	35.81	11.29	52.3	400	298	P	H
		10500	51.81	-16.39	68.2	54.95	38.8	12.96	54.9	-	-	P	H
		15750	53.25	-20.75	74	54.9	37.7	15.65	55	-	-	P	H
		15750	39.53	-14.47	54	41.18	37.7	15.65	55	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		7001.6	60.5	-7.7	68.2	65.7	35.81	11.29	52.3	192	25	P	V
5250MHz		10500	52.54	-15.66	68.2	55.68	38.8	12.96	54.9	-	-	P	V
		15750	52.81	-21.19	74	54.46	37.7	15.65	55	196	23	P	V
		15750	38.74	-15.26	54	40.39	37.7	15.65	55	196	23	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5137.36	62.47	-11.53	74	56.92	33.2	9.08	36.73	150	4	P	H
		5137.36	46.22	-7.78	54	40.67	33.2	9.08	36.73	150	4	A	H
	*	5250	100.1	-	-	94.66	32.9	9.26	36.72	150	4	P	H
802.11ax	*	5250	91	-	-	85.56	32.9	9.26	36.72	150	4	A	H
HE160		5401.5	64.85	-9.15	74	59.14	33	9.43	36.72	150	4	P	H
Partial		5397.3	44.22	-9.78	54	38.52	32.99	9.43	36.72	150	4	A	H
996/67		5137.36	66.31	-7.69	74	60.76	33.2	9.08	36.73	210	339	P	V
CH 50		5137.36	49.14	-4.86	54	43.59	33.2	9.08	36.73	210	339	A	V
5250MHz	*	5250	104.67	-	-	99.23	32.9	9.26	36.72	210	339	P	V
	*	5250	96.17	-	-	90.73	32.9	9.26	36.72	210	339	A	V
		5401.5	71.24	-2.76	74	65.53	33	9.43	36.72	210	339	P	V
		5396.1	50.23	-3.77	54	44.53	32.99	9.43	36.72	210	339	A	V
		5131.92	61.82	-12.18	74	56.28	33.2	9.07	36.73	150	4	P	H
		5137.36	45.48	-8.52	54	39.93	33.2	9.08	36.73	150	4	A	H
	*	5250	101.16	-	-	95.72	32.9	9.26	36.72	150	4	P	H
802.11ax	*	5250	91.36	-	-	85.92	32.9	9.26	36.72	150	4	A	H
HE160		5401.5	63.78	-10.22	74	58.07	33	9.43	36.72	150	4	P	H
Partial		5392.2	40.8	-13.2	54	35.12	32.98	9.42	36.72	150	4	A	H
996/S67		5128.18	66.52	-7.48	74	60.99	33.2	9.06	36.73	210	339	P	V
CH 50		5137.36	49.8	-4.2	54	44.25	33.2	9.08	36.73	210	339	A	V
5250MHz	*	5250	107.23	-	-	101.79	32.9	9.26	36.72	210	339	P	V
	*	5250	97.54	-	-	92.1	32.9	9.26	36.72	210	339	A	V
		5401.5	71.05	-2.95	74	65.34	33	9.43	36.72	210	339	P	V
		5392.2	49.62	-4.38	54	43.94	32.98	9.42	36.72	210	339	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5114.21	49.2	-24.8	74	43.7	33.2	9.03	36.73	150	128	P	H
		5105.84	37.78	-16.22	54	32.29	33.2	9.02	36.73	150	128	A	H
	*	5260	112.36	-	-	106.93	32.88	9.27	36.72	150	128	P	H
	*	5260	105.32	-	-	99.89	32.88	9.27	36.72	150	128	A	H
		5353.53	48.2	-25.8	74	42.63	32.91	9.38	36.72	150	128	P	H
		5351.64	38.1	-15.9	54	32.55	32.9	9.37	36.72	150	128	A	H
		5116.37	49.91	-24.09	74	44.4	33.2	9.04	36.73	150	337	P	V
		5103.14	39.92	-14.08	54	34.44	33.2	9.01	36.73	150	337	A	V
	*	5260	117.58	-	-	112.15	32.88	9.27	36.72	150	337	P	V
	*	5260	110.76	-	-	105.33	32.88	9.27	36.72	150	337	A	V
		5361.51	51.12	-22.88	74	45.53	32.92	9.39	36.72	150	337	P	V
		5350	40.74	-13.26	54	35.19	32.9	9.37	36.72	150	337	A	V
802.11a CH 60 5300MHz		5143.36	47.1	-26.9	74	41.54	33.2	9.09	36.73	250	321	P	H
		5147.2	38.69	-15.31	54	33.12	33.2	9.1	36.73	250	321	A	H
	*	5300	111.39	-	-	105.99	32.8	9.32	36.72	250	321	P	H
	*	5300	104.99	-	-	99.59	32.8	9.32	36.72	250	321	A	H
		5351.82	51	-23	74	45.45	32.9	9.37	36.72	250	321	P	H
		5353.8	40.61	-13.39	54	35.04	32.91	9.38	36.72	250	321	A	H
		5143.68	49.27	-24.73	74	43.71	33.2	9.09	36.73	152	338	P	V
		5142.72	40.02	-13.98	54	34.46	33.2	9.09	36.73	152	338	A	V
	*	5300	117.18	-	-	111.78	32.8	9.32	36.72	152	338	P	V
	*	5300	110.11	-	-	104.71	32.8	9.32	36.72	152	338	A	V
		5352.36	55.2	-18.8	74	49.64	32.9	9.38	36.72	152	338	P	V
		5350.02	45.63	-8.37	54	40.08	32.9	9.37	36.72	152	338	A	V

802.11a CH 64 5320MHz	*	5320	110.36	-	-	104.9	32.84	9.34	36.72	150	331	P	H
	*	5320	102.93	-	-	97.47	32.84	9.34	36.72	150	331	A	H
		5350.24	56.78	-17.22	74	51.23	32.9	9.37	36.72	150	331	P	H
		5350.4	43.72	-10.28	54	38.17	32.9	9.37	36.72	150	331	A	H
													H
													H
	*	5320	115.68	-	-	110.22	32.84	9.34	36.72	100	1	P	V
	*	5320	108.89	-	-	103.43	32.84	9.34	36.72	100	1	A	V
		5350.24	62.58	-11.42	74	57.03	32.9	9.37	36.72	100	1	P	V
		5350.08	49.91	-4.09	54	44.36	32.9	9.37	36.72	100	1	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7013.333	56.46	-11.74	68.2	61.58	35.88	11.3	52.3	349	301	P	H
		10520	52.56	-15.64	68.2	55.62	38.84	12.97	54.87	-	-	P	H
		15780	50.67	-23.33	74	52.27	37.76	15.66	55.02	-	-	P	H
		15780	40.68	-13.32	54	42.28	37.76	15.66	55.02	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 52 5260MHz													H
		7013.333	60.46	-7.74	68.2	65.58	35.88	11.3	52.3	152	22	P	V
		10520	52.91	-15.29	68.2	55.97	38.84	12.97	54.87	-	-	P	V
		15780	51.35	-22.65	74	52.95	37.76	15.66	55.02	-	-	P	V
		15780	41.55	-12.45	54	43.15	37.76	15.66	55.02	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7068.8	56.1	-12.1	68.2	60.88	36.18	11.33	52.29	400	297	P	H
		10600	53.61	-20.39	74	56.35	39	13.02	54.76	-	-	P	H
		10600	43.03	-10.97	54	45.77	39	13.02	54.76	-	-	A	H
		15905.6	51.41	-22.59	74	53.33	37.5	15.7	55.12	-	-	P	H
		15905.6	41.52	-12.48	54	43.44	37.5	15.7	55.12	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz		7068.8	59.94	-8.26	68.2	64.72	36.18	11.33	52.29	200	17	P	V
		10600	53.4	-20.6	74	56.14	39	13.02	54.76	-	-	P	V
		10600	42.99	-11.01	54	45.73	39	13.02	54.76	-	-	A	V
		15905.6	50.98	-23.02	74	52.9	37.5	15.7	55.12	-	-	P	V
		15905.6	40.6	-13.4	54	42.52	37.5	15.7	55.12	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7091.2	55.74	-12.46	68.2	60.42	36.26	11.34	52.28	393	197	P	H
		10640	53.33	-20.67	74	55.95	39.04	13.04	54.7	-	-	P	H
		10640	43.14	-10.86	54	45.76	39.04	13.04	54.7	-	-	A	H
		15960	50.69	-23.31	74	52.64	37.5	15.72	55.17	-	-	P	H
		15960	40.48	-13.52	54	42.43	37.5	15.72	55.17	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz		7091.2	58.63	-9.57	68.2	63.31	36.26	11.34	52.28	213	22	P	V
		10640	54.46	-19.54	74	57.08	39.04	13.04	54.7	-	-	P	V
		10640	44.2	-9.8	54	46.82	39.04	13.04	54.7	-	-	A	V
		15960	51.19	-22.81	74	53.14	37.5	15.72	55.17	-	-	P	V
		15960	41.06	-12.94	54	43.01	37.5	15.72	55.17	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5112.05	47.93	-26.07	74	42.43	33.2	9.03	36.73	150	132	P	H
		5105.84	38.75	-15.25	54	33.26	33.2	9.02	36.73	150	132	A	H
	*	5260	111.57	-	-	106.14	32.88	9.27	36.72	150	132	P	H
	*	5260	103.89	-	-	98.46	32.88	9.27	36.72	150	132	A	H
802.11ax		5396.37	48.9	-25.1	74	43.2	32.99	9.43	36.72	150	132	P	H
HE20 Full		5354.79	38.1	-15.9	54	32.53	32.91	9.38	36.72	150	132	A	H
CH 52		5149.04	49.84	-24.16	74	44.27	33.2	9.1	36.73	100	338	P	V
5260MHz		5108.27	40.91	-13.09	54	35.42	33.2	9.02	36.73	100	338	A	V
	*	5260	118.16	-	-	112.73	32.88	9.27	36.72	100	338	P	V
	*	5260	110.69	-	-	105.26	32.88	9.27	36.72	100	338	A	V
		5363.61	51.16	-22.84	74	45.56	32.93	9.39	36.72	100	338	P	V
		5350.17	41.17	-12.83	54	35.62	32.9	9.37	36.72	100	338	A	V
		5141.76	47.98	-26.02	74	42.42	33.2	9.09	36.73	144	127	P	H
		5147.2	38.71	-15.29	54	33.14	33.2	9.1	36.73	144	127	A	H
	*	5300	112.58	-	-	107.18	32.8	9.32	36.72	144	127	P	H
	*	5300	104.44	-	-	99.04	32.8	9.32	36.72	144	127	A	H
802.11ax		5350.38	50.72	-23.28	74	45.17	32.9	9.37	36.72	144	127	P	H
HE20 Full		5350.2	40.94	-13.06	54	35.39	32.9	9.37	36.72	144	127	A	H
CH 60		5148.16	50.06	-23.94	74	44.49	33.2	9.1	36.73	106	349	P	V
5300MHz		5149.12	41.05	-12.95	54	35.48	33.2	9.1	36.73	106	349	A	V
	*	5300	117.48	-	-	112.08	32.8	9.32	36.72	106	349	P	V
	*	5300	110.97	-	-	105.57	32.8	9.32	36.72	106	349	A	V
		5352.36	57.95	-16.05	74	52.39	32.9	9.38	36.72	106	349	P	V
		5350.74	46.81	-7.19	54	41.26	32.9	9.37	36.72	106	349	A	V

	*	5320	109.38	-	-	103.92	32.84	9.34	36.72	150	333	P	H
	*	5320	102.6	-	-	97.14	32.84	9.34	36.72	150	333	A	H
		5350.56	57.2	-16.8	74	51.65	32.9	9.37	36.72	150	333	P	H
		5350.08	45.2	-8.8	54	39.65	32.9	9.37	36.72	150	333	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	115.89	-	-	110.43	32.84	9.34	36.72	100	352	P	V
5320MHz	*	5320	109.22	-	-	103.76	32.84	9.34	36.72	100	352	A	V
		5350.08	65.41	-8.59	74	59.86	32.9	9.37	36.72	100	352	P	V
		5350.24	51.78	-2.22	54	46.23	32.9	9.37	36.72	100	352	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7012.8	56.21	-11.99	68.2	61.33	35.88	11.3	52.3	396	273	P	H
		10520	52.27	-15.93	68.2	55.33	38.84	12.97	54.87	-	-	P	H
		15780	52.64	-21.36	74	54.24	37.76	15.66	55.02	-	-	P	H
		15780	42.73	-11.27	54	44.33	37.76	15.66	55.02	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		7012.8	60.17	-8.03	68.2	65.29	35.88	11.3	52.3	189	12	P	V
5260MHz		10520	52.62	-15.58	68.2	55.68	38.84	12.97	54.87	-	-	P	V
		15780	51.96	-22.04	74	53.56	37.76	15.66	55.02	-	-	P	V
		15780	42.04	-11.96	54	43.64	37.76	15.66	55.02	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7068.8	57.5	-10.7	68.2	62.28	36.18	11.33	52.29	381	311	P	H
		10600	53.51	-20.49	74	56.25	39	13.02	54.76	-	-	P	H
		10600	43.37	-10.63	54	46.11	39	13.02	54.76	-	-	A	H
		15900	51.61	-22.39	74	53.53	37.5	15.7	55.12	-	-	P	H
		15900	41.78	-12.22	54	43.7	37.5	15.7	55.12	-	-	A	H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		7068.8	60.08	-8.12	68.2	64.86	36.18	11.33	52.29	211	33	P	V
5300MHz		10600	54.16	-19.84	74	56.9	39	13.02	54.76	-	-	P	V
		10600	44.09	-9.91	54	46.83	39	13.02	54.76	-	-	A	V
		15900	52.91	-21.09	74	54.83	37.5	15.7	55.12	-	-	P	V
		15900	42.78	-11.22	54	44.7	37.5	15.7	55.12	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7093.333	56.6	-11.6	68.2	61.27	36.27	11.34	52.28	267	317	P	H
		10640	51.09	-22.91	74	53.71	39.04	13.04	54.7	-	-	P	H
		10640	41.15	-12.85	54	43.77	39.04	13.04	54.7	-	-	A	H
		15960	50.7	-23.3	74	52.65	37.5	15.72	55.17	-	-	P	H
		15960	40.74	-13.26	54	42.69	37.5	15.72	55.17	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Full CH 64 5320MHz													H
		7093.333	58.88	-9.32	68.2	63.55	36.27	11.34	52.28	191	26	P	V
		10640	51.11	-22.89	74	53.73	39.04	13.04	54.7	-	-	P	V
		10640	41.09	-12.91	54	43.71	39.04	13.04	54.7	-	-	A	V
		15960	50.34	-23.66	74	52.29	37.5	15.72	55.17	-	-	P	V
		15960	40.39	-13.61	54	42.34	37.5	15.72	55.17	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	110	-	-	104.54	32.84	9.34	36.72	200	336	P	H
	*	5320	101.93	-	-	96.47	32.84	9.34	36.72	200	336	A	H
		5350.4	62.19	-11.81	74	56.64	32.9	9.37	36.72	200	336	P	H
802.11ax		5350.08	39.34	-14.66	54	33.79	32.9	9.37	36.72	200	336	A	H
HE20													H
Partial													H
106/54	*	5320	117.71	-	-	112.25	32.84	9.34	36.72	100	337	P	V
CH 64	*	5320	110.8	-	-	105.34	32.84	9.34	36.72	100	337	A	V
5320MHz		5360.96	66.46	-7.54	74	60.87	32.92	9.39	36.72	100	337	P	V
		5352.96	47.17	-6.83	54	41.6	32.91	9.38	36.72	100	337	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5141.44	50.22	-23.78	74	44.66	33.2	9.09	36.73	151	123	P	H
		5148.16	40.4	-13.6	54	34.83	33.2	9.1	36.73	151	123	A	H
	*	5270	109.25	-	-	103.83	32.86	9.28	36.72	151	123	P	H
	*	5270	100.93	-	-	95.51	32.86	9.28	36.72	151	123	A	H
802.11ax		5369.04	50.72	-23.28	74	45.11	32.94	9.39	36.72	151	123	P	H
HE40 Full		5350.08	40.81	-13.19	54	35.26	32.9	9.37	36.72	151	123	A	H
CH 54		5130.24	51.71	-22.29	74	46.18	33.2	9.06	36.73	119	335	P	V
5270MHz		5146.56	42.44	-11.56	54	36.87	33.2	9.1	36.73	119	335	A	V
	*	5270	116.49	-	-	111.07	32.86	9.28	36.72	119	335	P	V
	*	5270	107.74	-	-	102.32	32.86	9.28	36.72	119	335	A	V
		5350.8	60.2	-13.8	74	54.65	32.9	9.37	36.72	119	335	P	V
		5350.08	47.83	-6.17	54	42.28	32.9	9.37	36.72	119	335	A	V
		5141.1	47.91	-26.09	74	42.35	33.2	9.09	36.73	144	332	P	H
		5149.94	38.12	-15.88	54	32.55	33.2	9.1	36.73	144	332	A	H
	*	5310	108.74	-	-	103.31	32.82	9.33	36.72	144	332	P	H
	*	5310	99.41	-	-	93.98	32.82	9.33	36.72	144	332	A	H
802.11ax		5351.46	55.73	-18.27	74	50.18	32.9	9.37	36.72	144	332	P	H
HE40 Full		5350.2	45.96	-8.04	54	40.41	32.9	9.37	36.72	144	332	A	H
CH 62		5148.92	48.51	-25.49	74	42.94	33.2	9.1	36.73	235	355	P	V
5310MHz		5149.94	38.91	-15.09	54	33.34	33.2	9.1	36.73	235	355	A	V
	*	5310	112.87	-	-	107.44	32.82	9.33	36.72	235	355	P	V
	*	5310	104.84	-	-	99.41	32.82	9.33	36.72	235	355	A	V
		5352	66.3	-7.7	74	60.75	32.9	9.37	36.72	235	355	P	V
		5350.02	52.56	-1.44	54	47.01	32.9	9.37	36.72	235	355	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7024	57.36	-10.84	68.2	62.42	35.94	11.3	52.3	399	301	P	H
		10540	52.4	-15.8	68.2	55.38	38.88	12.98	54.84	-	-	P	H
		15810	52.56	-21.44	74	54.17	37.77	15.67	55.05	-	-	P	H
		15810	42.62	-11.38	54	44.23	37.77	15.67	55.05	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		7024	60.75	-7.45	68.2	65.81	35.94	11.3	52.3	193	25	P	V
5270MHz		10540	52.54	-15.66	68.2	55.52	38.88	12.98	54.84	-	-	P	V
		15810	52.8	-21.2	74	54.41	37.77	15.67	55.05	-	-	P	V
		15810	42.79	-11.21	54	44.4	37.77	15.67	55.05	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7080	57.77	-10.43	68.2	62.5	36.22	11.33	52.28	400	296	P	H
		10620	54.91	-19.09	74	57.59	39.02	13.03	54.73	-	-	P	H
		10620	39.91	-14.09	54	42.59	39.02	13.03	54.73	-	-	A	H
		15930	53.08	-20.92	74	55.01	37.5	15.71	55.14	-	-	P	H
		15930	38.77	-15.23	54	40.7	37.5	15.71	55.14	-	-	A	H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		7080	60.64	-7.56	68.2	65.37	36.22	11.33	52.28	200	28	P	V
5310MHz		10620	55.41	-18.59	74	58.09	39.02	13.03	54.73	-	-	P	V
		10620	40.32	-13.68	54	43	39.02	13.03	54.73	-	-	A	V
		15930	53.08	-20.92	74	55.01	37.5	15.71	55.14	-	-	P	V
		15930	40.97	-13.03	54	42.9	37.5	15.71	55.14	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5142.8	47.43	-26.57	74	41.87	33.2	9.09	36.73	200	336	P	H
		5141.1	37.85	-16.15	54	32.29	33.2	9.09	36.73	200	336	A	H
	*	5310	105.25	-	-	99.82	32.82	9.33	36.72	200	336	P	H
	*	5310	97.65	-	-	92.22	32.82	9.33	36.72	200	336	A	H
		5352.36	58.23	-15.77	74	52.67	32.9	9.38	36.72	200	336	P	H
		5350.56	43.02	-10.98	54	37.47	32.9	9.37	36.72	200	336	A	H
		5070.04	48.23	-25.77	74	42.81	33.2	8.95	36.73	100	337	P	V
		5148.24	39.06	-14.94	54	33.49	33.2	9.1	36.73	100	337	A	V
	*	5310	113.64	-	-	108.21	32.82	9.33	36.72	100	337	P	V
	*	5310	106.02	-	-	100.59	32.82	9.33	36.72	100	337	A	V
		5352	65.43	-8.57	74	59.88	32.9	9.37	36.72	100	337	P	V
		5352.18	49.75	-4.25	54	44.19	32.9	9.38	36.72	100	337	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5128.86	48.82	-25.18	74	43.29	33.2	9.06	36.73	294	318	P	H
		5149.94	38.75	-15.25	54	33.18	33.2	9.1	36.73	294	318	A	H
	*	5290	104.54	-	-	99.14	32.82	9.3	36.72	294	318	P	H
	*	5290	96.2	-	-	90.8	32.82	9.3	36.72	294	318	A	H
		5352.2	57.24	-16.76	74	51.68	32.9	9.38	36.72	294	318	P	H
		5351.76	47.22	-6.78	54	41.67	32.9	9.37	36.72	294	318	A	H
		5122.06	52.72	-21.28	74	47.2	33.2	9.05	36.73	149	330	P	V
		5149.94	41.95	-12.05	54	36.38	33.2	9.1	36.73	149	330	A	V
	*	5290	109.87	-	-	104.47	32.82	9.3	36.72	149	330	P	V
	*	5290	101.33	-	-	95.93	32.82	9.3	36.72	149	330	P	V
		5362.98	63.52	-10.48	74	57.92	32.93	9.39	36.72	149	330	A	V
		5352.86	52.88	-1.12	54	47.31	32.91	9.38	36.72	149	330	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7057.6	56.86	-11.34	68.2	61.69	36.13	11.33	52.29	400	309	P	H
		10580	54.37	-13.83	68.2	57.2	38.96	13	54.79	-	-	P	H
		15870	53.29	-20.71	74	55.11	37.59	15.69	55.1	-	-	P	H
		15870	39.39	-14.61	54	41.21	37.59	15.69	55.1	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7057.6	60.21	-7.99	68.2	65.04	36.13	11.33	52.29	192	24	P	V
5290MHz		10580	55.17	-13.03	68.2	58	38.96	13	54.79	-	-	P	V
		15870	52.99	-21.01	74	54.81	37.59	15.69	55.1	-	-	P	V
		15870	38.89	-15.11	54	40.71	37.59	15.69	55.1	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5135.32	54.22	-19.78	74	48.68	33.2	9.07	36.73	212	334	P	H
		5076.16	38.5	-15.5	54	33.07	33.2	8.96	36.73	212	334	A	H
	*	5290	102.09	-	-	96.69	32.82	9.3	36.72	212	334	P	H
	*	5290	92.95	-	-	87.55	32.82	9.3	36.72	212	334	A	H
		5368.04	63.29	-10.71	74	57.68	32.94	9.39	36.72	212	334	P	H
		5350.88	39.79	-14.21	54	34.24	32.9	9.37	36.72	212	334	A	H
		5130.9	59.13	-14.87	74	53.59	33.2	9.07	36.73	235	314	P	V
		5120.36	40.58	-13.42	54	35.07	33.2	9.04	36.73	235	314	A	V
	*	5290	108.73	-	-	103.33	32.82	9.3	36.72	235	314	P	V
	*	5290	99.59	-	-	94.19	32.82	9.3	36.72	235	314	A	V
		5368.48	69.69	-4.31	74	64.08	32.94	9.39	36.72	235	314	P	V
		5373.54	47.83	-6.17	54	42.2	32.95	9.4	36.72	235	314	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5441.12	49.3	-24.7	74	43.57	33	9.45	36.72	150	331	P	H
		5469.85	57.61	-10.59	68.2	51.87	33	9.46	36.72	150	331	P	H
		5459.99	38.31	-15.69	54	32.57	33	9.46	36.72	150	331	A	H
	*	5500	110.41	-	-	104.65	33	9.48	36.72	150	331	P	H
	*	5500	103.45	-	-	97.69	33	9.48	36.72	150	331	A	H
													H
		5450.47	52.21	-21.79	74	46.48	33	9.45	36.72	222	355	P	V
		5469.51	63.97	-4.23	68.2	58.23	33	9.46	36.72	222	355	P	V
		5459.99	41.52	-12.48	54	35.78	33	9.46	36.72	222	355	A	V
	*	5500	116.74	-	-	110.98	33	9.48	36.72	222	355	P	V
	*	5500	109.51	-	-	103.75	33	9.48	36.72	222	355	A	V
													V
802.11a CH 116 5580MHz		5442	48.54	-25.46	74	42.81	33	9.45	36.72	300	317	P	H
		5469.75	48.33	-19.87	68.2	42.59	33	9.46	36.72	300	317	P	H
		5433.76	39.07	-14.93	54	33.34	33	9.45	36.72	300	317	A	H
	*	5580	111.96	-	-	106.21	32.96	9.51	36.72	300	317	P	H
	*	5580	104.74	-	-	98.99	32.96	9.51	36.72	300	317	A	H
		5763.425	47.93	-20.27	68.2	41	34.05	9.59	36.71	300	317	P	H
		5428.5	50.76	-23.24	74	45.04	33	9.44	36.72	103	348	P	V
		5463.25	50.73	-17.47	68.2	44.99	33	9.46	36.72	103	348	P	V
		5432.08	42.3	-11.7	54	36.58	33	9.44	36.72	103	348	A	V
	*	5580	118.04	-	-	112.29	32.96	9.51	36.72	103	348	P	V
	*	5580	111.11	-	-	105.36	32.96	9.51	36.72	103	348	A	V
		5759.96	50.31	-17.89	68.2	43.39	34.04	9.59	36.71	103	348	P	V

802.11a CH 140 5700MHz	*	5700	110.34	-	-	103.79	33.7	9.57	36.72	250	339	P	H
	*	5700	103.21	-	-	96.66	33.7	9.57	36.72	250	339	A	H
		5725.85	60.36	-7.84	68.2	53.64	33.86	9.58	36.72	250	339	P	H
													H
													H
													H
	*	5700	115.63	-	-	109.08	33.7	9.57	36.72	197	0	P	V
	*	5700	108.7	-	-	102.15	33.7	9.57	36.72	197	0	A	V
		5725.55	64.99	-3.21	68.2	58.28	33.85	9.58	36.72	197	0	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7707.2	55.91	-18.09	74	60.11	36.53	11.51	52.24	200	316	P	H
		7707.2	45.79	-8.21	54	49.99	36.53	11.51	52.24	200	316	A	H
		11000	55.32	-18.68	74	57.39	38.9	13.23	54.2	-	-	P	H
		11000	44.5	-9.5	54	46.57	38.9	13.23	54.2	-	-	A	H
		16500	51.76	-16.44	68.2	54.3	38.1	16.06	56.7	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz		7707.2	58.72	-15.28	74	62.92	36.53	11.51	52.24	100	5	P	V
		7707.2	49.45	-4.55	54	53.65	36.53	11.51	52.24	100	5	A	V
		11000	53.87	-20.13	74	55.94	38.9	13.23	54.2	-	-	P	V
		11000	43.9	-10.1	54	45.97	38.9	13.23	54.2	-	-	A	V
		16500	51.65	-16.55	68.2	54.19	38.1	16.06	56.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7812	51.63	-16.57	68.2	55.55	36.82	11.52	52.26	-	-	P	H
		11160	51.31	-22.69	74	53.02	38.82	13.32	53.85	178	242	P	H
		11160	40.22	-13.78	54	41.93	38.82	13.32	53.85	178	242	A	H
		16740	51.8	-16.4	68.2	53.75	38	16.22	56.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz		7812	55.08	-13.12	68.2	59	36.82	11.52	52.26	-	-	P	V
		11160	52.28	-21.72	74	53.99	38.82	13.32	53.85	324	154	P	V
		11160	40.34	-13.66	54	42.05	38.82	13.32	53.85	324	154	A	V
		16740	52.52	-15.68	68.2	54.47	38	16.22	56.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7980	53.08	-15.12	68.2	56.67	37.1	11.61	52.3	200	316	P	H
		11400	53.24	-20.76	74	54.11	39	13.45	53.32	-	-	P	H
		11400	43.06	-10.94	54	43.93	39	13.45	53.32	-	-	A	H
		17100	51.82	-16.38	68.2	52.67	37.9	16.45	55.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz		7980	55.62	-12.58	68.2	59.21	37.1	11.61	52.3	122	8	P	V
		11400	53.15	-20.85	74	54.02	39	13.45	53.32	-	-	P	V
		11400	42.97	-11.03	54	43.84	39	13.45	53.32	-	-	A	V
		17100	52.25	-15.95	68.2	53.1	37.9	16.45	55.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5453.53	50.46	-23.54	74	44.73	33	9.45	36.72	136	332	P	H
		5470	50.94	-17.26	68.2	45.2	33	9.46	36.72	136	332	P	H
		5459.99	38.8	-15.2	54	33.06	33	9.46	36.72	136	332	A	H
	*	5500	109.84	-	-	104.08	33	9.48	36.72	136	332	P	H
802.11ax	*	5500	101.71	-	-	95.95	33	9.48	36.72	136	332	A	H
HE20 Full		5459.14	52.02	-21.98	74	46.28	33	9.46	36.72	223	360	P	V
CH 100		5468.83	55.63	-12.57	68.2	49.89	33	9.46	36.72	223	360	P	V
5500MHz		5459.99	42.32	-11.68	54	36.58	33	9.46	36.72	223	360	A	V
	*	5500	115.16	-	-	109.4	33	9.48	36.72	223	360	P	V
	*	5500	108.27	-	-	102.51	33	9.48	36.72	223	360	A	V
													V
													V
		5396	48.93	-25.07	74	43.23	32.99	9.43	36.72	135	329	P	H
		5467.25	48.5	-19.7	68.2	42.76	33	9.46	36.72	135	329	P	H
		5428.48	39.79	-14.21	54	34.07	33	9.44	36.72	135	329	A	H
	*	5580	111.92	-	-	106.17	32.96	9.51	36.72	135	329	P	H
802.11ax	*	5580	105.55	-	-	99.8	32.96	9.51	36.72	135	329	A	H
HE20 Full		5745.155	49.34	-18.86	68.2	42.5	33.97	9.59	36.72	135	329	P	H
CH 116		5429.25	52.38	-21.62	74	46.66	33	9.44	36.72	214	340	P	V
5580MHz		5461	50.47	-17.73	68.2	44.73	33	9.46	36.72	214	340	P	V
		5429.92	43.04	-10.96	54	37.32	33	9.44	36.72	214	340	A	V
	*	5580	118.39	-	-	112.64	32.96	9.51	36.72	214	340	P	V
	*	5580	111.2	-	-	105.45	32.96	9.51	36.72	214	340	A	V
		5759.96	50.82	-17.38	68.2	43.9	34.04	9.59	36.71	214	340	P	V

	*	5700	109.43	-	-	102.88	33.7	9.57	36.72	151	314	P	H
	*	5700	100.73	-	-	94.18	33.7	9.57	36.72	151	314	A	H
		5727.5	55.8	-12.4	68.2	49.07	33.87	9.58	36.72	151	314	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	115.87	-	-	109.32	33.7	9.57	36.72	162	342	P	V
5700MHz	*	5700	108.09	-	-	101.54	33.7	9.57	36.72	162	342	A	V
		5732.375	62.35	-5.85	68.2	55.6	33.89	9.58	36.72	162	342	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7700	56.88	-17.12	74	61.11	36.5	11.51	52.24	200	316	P	H
		7700	46.96	-7.04	54	51.19	36.5	11.51	52.24	200	316	A	H
		11000	52.94	-21.06	74	55.01	38.9	13.23	54.2	178	242	P	H
		11000	39.85	-14.15	54	41.92	38.9	13.23	54.2	178	242	A	H
		16500	50.81	-17.39	68.2	53.35	38.1	16.06	56.7	-	-	P	H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		7700	58.99	-15.01	74	63.22	36.5	11.51	52.24	200	0	P	V
5500MHz		7700	50.21	-3.79	54	54.44	36.5	11.51	52.24	200	0	A	V
		11000	53.21	-20.79	74	55.28	38.9	13.23	54.2	324	154	P	V
		11000	40.03	-13.97	54	42.1	38.9	13.23	54.2	324	154	A	V
		16500	51.48	-16.72	68.2	54.02	38.1	16.06	56.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7812	55.05	-13.15	68.2	58.97	36.82	11.52	52.26	-	-	P	H
		11160	51.78	-22.22	74	53.49	38.82	13.32	53.85	178	242	P	H
		11160	40.18	-13.82	54	41.89	38.82	13.32	53.85	178	242	A	H
		16740	51.82	-16.38	68.2	53.77	38	16.22	56.17	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		7812	60.12	-8.08	68.2	64.04	36.82	11.52	52.26	-	-	P	V
5580MHz		11160	52.27	-21.73	74	53.98	38.82	13.32	53.85	324	154	P	V
		11160	40.28	-13.72	54	41.99	38.82	13.32	53.85	324	154	A	V
		16740	52.39	-15.81	68.2	54.34	38	16.22	56.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7980	54.83	-13.37	68.2	58.42	37.1	11.61	52.3	203	338	P	H
		11400	53.81	-20.19	74	54.68	39	13.45	53.32	-	-	P	H
		11400	43.12	-10.88	54	43.99	39	13.45	53.32	-	-	A	H
		17100	51.41	-16.79	68.2	52.26	37.9	16.45	55.2	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		7980	58.43	-9.77	68.2	62.02	37.1	11.61	52.3	108	9	P	V
5700MHz		11400	53.26	-20.74	74	54.13	39	13.45	53.32	-	-	P	V
		11400	43.34	-10.66	54	44.21	39	13.45	53.32	-	-	A	V
		17100	51.26	-16.94	68.2	52.11	37.9	16.45	55.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.79	51.92	-22.08	74	46.19	33	9.45	36.72	200	341	P	H
		5468.49	58.78	-9.42	68.2	53.04	33	9.46	36.72	200	341	P	H
		5459.82	37.65	-16.35	54	31.91	33	9.46	36.72	200	341	A	H
802.11ax	*	5500	109.66	-	-	103.9	33	9.48	36.72	200	341	P	H
HE20	*	5500	102.19	-	-	96.43	33	9.48	36.72	200	341	A	H
Partial													H
106/53		5458.8	61.98	-12.02	74	56.24	33	9.46	36.72	100	14	P	V
CH 100		5468.15	65.46	-2.74	68.2	59.72	33	9.46	36.72	100	14	P	V
5500MHz		5459.99	41.1	-12.9	54	35.36	33	9.46	36.72	100	14	A	V
	*	5500	119.24	-	-	113.48	33	9.48	36.72	100	14	P	V
	*	5500	110.32	-	-	104.56	33	9.48	36.72	100	14	A	V
													V
	*	5700	108.35	-	-	101.8	33.7	9.57	36.72	300	285	P	H
	*	5700	100.29	-	-	93.74	33.7	9.57	36.72	300	285	A	H
		5727.725	60.32	-7.88	68.2	53.59	33.87	9.58	36.72	300	285	P	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	116.09	-	-	109.54	33.7	9.57	36.72	150	18	P	V
CH 140	*	5700	107.11	-	-	100.56	33.7	9.57	36.72	150	18	A	V
5700MHz		5726.975	66.54	-1.66	68.2	59.82	33.86	9.58	36.72	150	18	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.98	52.08	-21.92	74	46.34	33	9.46	36.72	141	336	P	H
		5470	58.1	-10.1	68.2	52.36	33	9.46	36.72	141	336	P	H
		5459.98	41.85	-12.15	54	36.11	33	9.46	36.72	141	336	A	H
	*	5510	107.09	-	-	101.35	32.98	9.48	36.72	141	336	P	H
802.11ax	*	5510	98.63	-	-	92.89	32.98	9.48	36.72	141	336	A	H
HE40 Full		5756.495	48.05	-20.15	68.2	41.14	34.03	9.59	36.71	141	336	P	H
CH 102		5458.72	59	-15	74	53.26	33	9.46	36.72	216	358	P	V
5510MHz		5468.8	66.66	-1.54	68.2	60.92	33	9.46	36.72	216	358	P	V
		5459.98	47.55	-6.45	54	41.81	33	9.46	36.72	216	358	A	V
	*	5510	114.36	-	-	108.62	32.98	9.48	36.72	216	358	P	V
	*	5510	105.84	-	-	100.1	32.98	9.48	36.72	216	358	A	V
		5759.645	50.45	-17.75	68.2	43.53	34.04	9.59	36.71	216	358	P	V
		5449.88	50.61	-23.39	74	44.88	33	9.45	36.72	140	332	P	H
		5469.24	52.9	-15.3	68.2	47.16	33	9.46	36.72	140	332	P	H
		5460	40.21	-13.79	54	34.47	33	9.46	36.72	140	332	A	H
	*	5550	109.56	-	-	103.88	32.9	9.5	36.72	140	332	P	H
802.11ax	*	5550	102.56	-	-	96.88	32.9	9.5	36.72	140	332	A	H
HE40 Full		5759.96	50.12	-18.08	68.2	43.2	34.04	9.59	36.71	140	332	P	H
CH 110		5459.56	54.91	-19.09	74	49.17	33	9.46	36.72	204	360	P	V
5550MHz		5468.58	61.84	-6.36	68.2	56.1	33	9.46	36.72	204	360	P	V
		5448.78	44.42	-9.58	54	38.69	33	9.45	36.72	204	360	A	V
	*	5550	116.22	-	-	110.54	32.9	9.5	36.72	204	360	P	V
	*	5550	108.28	-	-	102.6	32.9	9.5	36.72	204	360	A	V
		5759.96	52.05	-16.15	68.2	45.13	34.04	9.59	36.71	204	360	P	V

		5386.4	47.14	-26.86	74	41.48	32.97	9.41	36.72	144	314	P	H
		5468.65	45.06	-23.14	68.2	39.32	33	9.46	36.72	144	314	P	H
		5425.6	38.45	-15.55	54	32.73	33	9.44	36.72	144	314	A	H
	*	5670	106.46	-	-	100.29	33.34	9.55	36.72	144	314	P	H
802.11ax	*	5670	99.34	-	-	93.17	33.34	9.55	36.72	144	314	A	H
HE40 Full		5725.1	54.96	-13.24	68.2	48.25	33.85	9.58	36.72	144	314	P	H
CH 134		5455	48.1	-25.9	74	42.37	33	9.45	36.72	222	333	P	V
5670MHz		5464.1	47.65	-20.55	68.2	41.91	33	9.46	36.72	222	333	P	V
		5451.15	39.94	-14.06	54	34.21	33	9.45	36.72	222	333	A	V
	*	5670	113.1	-	-	106.93	33.34	9.55	36.72	222	333	P	V
	*	5670	105.69	-	-	99.52	33.34	9.55	36.72	222	333	A	V
		5726.15	62.89	-5.31	68.2	56.17	33.86	9.58	36.72	222	333	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7714	56.11	-17.89	74	60.28	36.56	11.51	52.24	187	300	P	H
		7714	46.63	-7.37	54	50.8	36.56	11.51	52.24	187	300	A	H
		11020	52.58	-21.42	74	54.64	38.86	13.24	54.16	-	-	P	H
		11020	42.82	-11.18	54	44.88	38.86	13.24	54.16	-	-	A	H
		16530	52.4	-15.8	68.2	54.91	38.04	16.08	56.63	-	-	P	H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		7714	59.32	-14.68	74	63.49	36.56	11.51	52.24	114	16	P	V
5510MHz		7714	49.84	-4.16	54	54.01	36.56	11.51	52.24	114	16	A	V
		11020	52.69	-21.31	74	54.75	38.86	13.24	54.16	-	-	P	V
		11020	42.4	-11.6	54	44.46	38.86	13.24	54.16	-	-	A	V
		16530	50.69	-17.51	68.2	53.2	38.04	16.08	56.63	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7770	55.6	-12.6	68.2	59.6	36.74	11.51	52.25	109	9	P	H
		11100	53.41	-20.59	74	55.4	38.7	13.29	53.98	-	-	P	H
		11100	42.82	-11.18	54	44.81	38.7	13.29	53.98	-	-	A	H
		16650	51.25	-16.95	68.2	53.51	37.95	16.16	56.37	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		7774.4	59.26	-8.94	68.2	63.25	36.75	11.51	52.25	212	333	P	V
5550MHz		11100	52.75	-21.25	74	54.74	38.7	13.29	53.98	-	-	P	V
		11100	42.34	-11.66	54	44.33	38.7	13.29	53.98	-	-	A	V
		16650	51.51	-16.69	68.2	53.77	37.95	16.16	56.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7938	52.36	-15.84	68.2	56.01	37.05	11.59	52.29	100	6	P	H
		11340	54.99	-19.01	74	56.02	39	13.42	53.45	221	318	P	H
		11340	44.75	-9.25	54	45.78	39	13.42	53.45	221	318	A	H
		17010	51.01	-17.19	68.2	52.46	37.72	16.39	55.56	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		7938	53.42	-14.78	68.2	57.07	37.05	11.59	52.29	199	357	P	V
5670MHz		11340	54.59	-19.41	74	55.62	39	13.42	53.45	102	7	P	V
		11340	44.42	-9.58	54	45.45	39	13.42	53.45	102	7	A	V
		17010	51.87	-16.33	68.2	53.32	37.72	16.39	55.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.98	60.72	-13.28	74	54.98	33	9.46	36.72	289	324	P	H
		5465.02	61.51	-6.69	68.2	55.77	33	9.46	36.72	289	324	P	H
		5459.98	38.22	-15.78	54	32.48	33	9.46	36.72	289	324	A	H
802.11ax	*	5510	107.82	-	-	102.08	32.98	9.48	36.72	289	324	P	H
HE40	*	5510	100.32	-	-	94.58	32.98	9.48	36.72	289	324	A	H
Partial		5759.96	49.23	-18.97	68.2	42.31	34.04	9.59	36.71	289	324	P	H
242/61		5457.28	63.26	-10.74	74	57.52	33	9.46	36.72	189	332	P	V
CH 102		5466.28	65.64	-2.56	68.2	59.9	33	9.46	36.72	189	332	P	V
5510MHz		5457.46	40.96	-13.04	54	35.22	33	9.46	36.72	189	332	A	V
	*	5510	112.98	-	-	107.24	32.98	9.48	36.72	189	332	P	V
	*	5510	105.59	-	-	99.85	32.98	9.48	36.72	189	332	A	V
		5760.275	49.92	-18.28	68.2	43	34.04	9.59	36.71	189	332	P	V
		5431.2	47.37	-26.63	74	41.65	33	9.44	36.72	274	335	P	H
		5463.4	45.65	-22.55	68.2	39.91	33	9.46	36.72	274	335	P	H
		5456.75	38.11	-15.89	54	32.37	33	9.46	36.72	274	335	A	H
802.11ax	*	5670	108.09	-	-	101.92	33.34	9.55	36.72	274	335	P	H
HE40	*	5670	101.05	-	-	94.88	33.34	9.55	36.72	274	335	A	H
Partial		5725.625	62.95	-5.25	68.2	56.24	33.85	9.58	36.72	274	335	P	H
242/62		5446.6	47.47	-26.53	74	41.74	33	9.45	36.72	277	349	P	V
CH 134		5468.3	46.61	-21.59	68.2	40.87	33	9.46	36.72	277	349	P	V
5670MHz		5452.55	38.71	-15.29	54	32.98	33	9.45	36.72	277	349	A	V
	*	5670	113.5	-	-	107.33	33.34	9.55	36.72	277	349	P	V
	*	5670	105.17	-	-	99	33.34	9.55	36.72	277	349	A	V
		5725.1	67.04	-1.16	68.2	60.33	33.85	9.58	36.72	277	349	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.78	57.46	-16.54	74	51.72	33	9.46	36.72	230	332	P	H
		5469.68	58.35	-9.85	68.2	52.61	33	9.46	36.72	230	332	P	H
		5460	47.12	-6.88	54	41.38	33	9.46	36.72	230	332	A	H
	*	5530	103.51	-	-	97.8	32.94	9.49	36.72	230	332	P	H
802.11ax	*	5530	95.61	-	-	89.9	32.94	9.49	36.72	230	332	A	H
HE80 Full		5760.275	49.08	-19.12	68.2	42.16	34.04	9.59	36.71	230	332	P	H
CH 106		5459.9	63.02	-10.98	74	57.28	33	9.46	36.72	204	359	P	V
5530MHz		5467.04	65.3	-2.9	68.2	59.56	33	9.46	36.72	204	359	P	V
		5459.34	52.54	-1.46	54	46.8	33	9.46	36.72	204	359	A	V
	*	5530	110.37	-	-	104.66	32.94	9.49	36.72	204	359	P	V
	*	5530	101.58	-	-	95.87	32.94	9.49	36.72	204	359	A	V
		5760.905	50.87	-17.33	68.2	43.95	34.04	9.59	36.71	204	359	P	V
		5456.2	54.38	-19.62	74	48.64	33	9.46	36.72	151	315	P	H
		5464.3	56.29	-11.91	68.2	50.55	33	9.46	36.72	151	315	P	H
		5453.8	43.16	-10.84	54	37.43	33	9.45	36.72	151	315	A	H
	*	5610	107.15	-	-	101.33	33.02	9.52	36.72	151	315	P	H
802.11ax	*	5610	98.92	-	-	93.1	33.02	9.52	36.72	151	315	A	H
HE80 Full		5725.31	59.58	-8.62	68.2	52.87	33.85	9.58	36.72	151	315	P	H
CH 122		5454.1	59.77	-14.23	74	54.04	33	9.45	36.72	182	333	P	V
5610MHz		5463.7	60.44	-7.76	68.2	54.7	33	9.46	36.72	182	333	P	V
		5454.4	48.12	-5.88	54	42.39	33	9.45	36.72	182	333	A	V
	*	5610	112.58	-	-	106.76	33.02	9.52	36.72	182	333	P	V
	*	5610	104.96	-	-	99.14	33.02	9.52	36.72	182	333	A	V
		5725	64.47	-3.73	68.2	57.76	33.85	9.58	36.72	182	333	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7707.2	54.58	-19.42	74	58.78	36.53	11.51	52.24	194	315	P	H
		7707.2	44.22	-9.78	54	48.42	36.53	11.51	52.24	194	315	A	H
		11060	54.69	-19.31	74	56.72	38.78	13.26	54.07	-	-	P	H
		11060	40.19	-13.81	54	42.22	38.78	13.26	54.07	-	-	A	H
		16590	52	-16.2	68.2	54.46	37.92	16.12	56.5	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		7707.2	55.94	-18.06	74	60.14	36.53	11.51	52.24	100	359	P	V
5530MHz		7707.2	46.68	-7.32	54	50.88	36.53	11.51	52.24	100	359	A	V
		11056	54.29	-19.71	74	56.32	38.79	13.26	54.08	-	-	P	V
		11060	40.09	-13.91	54	42.12	38.78	13.26	54.07	-	-	A	V
		16590	52.09	-16.11	68.2	54.55	37.92	16.12	56.5	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7852.8	54.32	-13.88	68.2	58.16	36.9	11.53	52.27	197	313	P	H
		11220	54.57	-19.43	74	56.02	38.92	13.35	53.72	-	-	P	H
		11220	40.74	-13.26	54	42.19	38.92	13.35	53.72	-	-	A	H
		16830	51.26	-16.94	68.2	53.02	37.94	16.27	55.97	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		7852.8	56.89	-11.31	68.2	60.73	36.9	11.53	52.27	100	359	P	V
5610MHz		11220	54.43	-19.57	74	55.88	38.92	13.35	53.72	-	-	P	V
		11220	40.7	-13.3	54	42.15	38.92	13.35	53.72	-	-	A	V
		16830	50.84	-17.36	68.2	52.6	37.94	16.27	55.97	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.94	57.62	-16.38	74	51.88	33	9.46	36.72	292	322	P	H
		5469.6	62.15	-6.05	68.2	56.41	33	9.46	36.72	292	322	P	H
		5459.94	39.97	-14.03	54	34.23	33	9.46	36.72	292	322	A	H
802.11ax	*	5530	105.4	-	-	99.69	32.94	9.49	36.72	292	322	P	H
HE80	*	5530	97.2	-	-	91.49	32.94	9.49	36.72	292	322	A	H
Partial		5731.295	48.85	-19.35	68.2	42.1	33.89	9.58	36.72	292	322	P	H
484/65		5432.11	60.61	-13.39	74	54.89	33	9.44	36.72	200	337	P	V
CH 106		5469.37	63.15	-5.05	68.2	57.41	33	9.46	36.72	200	337	P	V
5530MHz		5459.94	41.87	-12.13	54	36.13	33	9.46	36.72	200	337	A	V
	*	5530	111.5	-	-	105.79	32.94	9.49	36.72	200	337	P	V
	*	5530	102.4	-	-	96.69	32.94	9.49	36.72	200	337	A	V
		5759.645	53.16	-15.04	68.2	46.24	34.04	9.59	36.71	200	337	P	V
		5450.8	58.74	-15.26	74	53.01	33	9.45	36.72	283	312	P	H
		5460.1	57.22	-10.98	68.2	51.48	33	9.46	36.72	283	312	P	H
		5451.1	39.64	-14.36	54	33.91	33	9.45	36.72	283	312	A	H
802.11ax	*	5610	111.82	-	-	106	33.02	9.52	36.72	283	312	P	H
HE80	*	5610	102.22	-	-	96.4	33.02	9.52	36.72	283	312	A	H
Partial		5725.31	61.01	-7.19	68.2	54.3	33.85	9.58	36.72	283	312	P	H
484/66		5455	64.54	-9.46	74	58.81	33	9.45	36.72	219	328	P	V
CH 122		5460.4	62.59	-5.61	68.2	56.85	33	9.46	36.72	219	328	P	V
5610MHz		5455	44.19	-9.81	54	38.46	33	9.45	36.72	219	328	A	V
	*	5610	115	-	-	109.18	33.02	9.52	36.72	219	328	P	V
	*	5610	107.39	-	-	101.57	33.02	9.52	36.72	219	328	A	V
		5741.375	66.39	-1.81	68.2	59.58	33.95	9.58	36.72	219	328	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5444.86	56.25	-17.75	74	50.52	33	9.45	36.72	283	336	P	H
		5460.98	56.96	-11.24	68.2	51.22	33	9.46	36.72	283	336	P	H
		5460	46.54	-7.46	54	40.8	33	9.46	36.72	283	336	A	H
	*	5570	100.23	-	-	94.5	32.94	9.51	36.72	283	336	P	H
	*	5570	90.86	-	-	85.13	32.94	9.51	36.72	283	336	A	H
		5726.57	53.19	-15.01	68.2	46.47	33.86	9.58	36.72	283	336	P	H
		5445.48	63.41	-10.59	74	57.68	33	9.45	36.72	144	327	P	V
		5465.94	63.11	-5.09	68.2	57.37	33	9.46	36.72	144	327	P	V
		5455.4	52.32	-1.68	54	46.59	33	9.45	36.72	144	327	A	V
	*	5570	105.29	-	-	99.56	32.94	9.51	36.72	144	327	P	V
	*	5570	96.63	-	-	90.9	32.94	9.51	36.72	144	327	A	V
		5725.625	57.52	-10.68	68.2	50.81	33.85	9.58	36.72	144	327	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7819.2	54.11	-14.09	68.2	58.01	36.84	11.52	52.26	197	312	P	H
		11140	54.74	-19.26	74	56.54	38.78	13.31	53.89	-	-	P	H
		11140	40.61	-13.39	54	42.41	38.78	13.31	53.89	-	-	A	H
		16710	52.16	-16.04	68.2	54.21	38	16.19	56.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		7819.2	54.99	-13.21	68.2	58.89	36.84	11.52	52.26	100	357	P	V
5570MHz		11140	54.83	-19.17	74	56.63	38.78	13.31	53.89	-	-	P	V
		11140	40.71	-13.29	54	42.51	38.78	13.31	53.89	-	-	A	V
		16710	52.3	-15.9	68.2	54.35	38	16.19	56.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5451.06	63.52	-10.48	74	57.79	33	9.45	36.72	242	330	P	H
		5460.05	61.99	-6.21	68.2	56.25	33	9.46	36.72	242	330	P	H
		5408.28	41.11	-12.89	54	35.4	33	9.43	36.72	242	330	A	H
	*	5570	100.78	-	-	95.05	32.94	9.51	36.72	242	330	P	H
	*	5570	90.01	-	-	84.28	32.94	9.51	36.72	242	330	A	H
		5728.145	56.06	-12.14	68.2	49.33	33.87	9.58	36.72	242	330	P	H
		5441.45	64.98	-9.02	74	59.25	33	9.45	36.72	200	357	P	V
		5464.08	63.7	-4.5	68.2	57.96	33	9.46	36.72	200	357	P	V
		5460	42.72	-11.28	54	36.98	33	9.46	36.72	200	357	A	V
	*	5570	105	-	-	99.27	32.94	9.51	36.72	200	357	P	V
	*	5570	96.15	-	-	90.42	32.94	9.51	36.72	200	357	A	V
		5727.83	65.85	-2.35	68.2	59.12	33.87	9.58	36.72	200	357	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5427.52	47.1	-26.9	74	41.38	33	9.44	36.72	246	325	P	H
		5464.76	46.41	-21.79	68.2	40.67	33	9.46	36.72	246	325	P	H
		5425.24	38.22	-15.78	54	32.5	33	9.44	36.72	246	325	A	H
	*	5720	112.42	-	-	105.75	33.82	9.57	36.72	246	325	P	H
	*	5720	106.52	-	-	99.85	33.82	9.57	36.72	246	325	A	H
		5870.96	49.74	-18.46	68.2	42.5	34.24	9.71	36.71	246	325	P	H
		5420.68	47.87	-26.13	74	42.15	33	9.44	36.72	150	354	P	V
		5461.72	46.66	-21.54	68.2	40.92	33	9.46	36.72	150	354	P	V
		5415.74	39.28	-14.72	54	33.56	33	9.44	36.72	150	354	A	V
	*	5720	117.81	-	-	111.14	33.82	9.57	36.72	150	354	P	V
	*	5720	112.17	-	-	105.5	33.82	9.57	36.72	150	354	A	V
		5915.42	51.05	-17.15	68.2	43.75	34.24	9.77	36.71	150	354	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		8009.6	54.11	-14.09	68.2	57.68	37.1	11.63	52.3	100	5	P	H
		11440	54.68	-19.32	74	55.43	39	13.48	53.23	-	-	P	H
		11440	41.56	-12.44	54	42.31	39	13.48	53.23	-	-	A	H
		17160	51	-17.2	68.2	51.52	37.96	16.48	54.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
		8009.6	55.27	-12.93	68.2	58.84	37.1	11.63	52.3	163	356	P	V
		11440	54.97	-19.03	74	55.72	39	13.48	53.23	-	-	P	V
		11440	41.83	-12.17	54	42.58	39	13.48	53.23	-	-	A	V
		17160	50.88	-17.32	68.2	51.4	37.96	16.48	54.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5397.12	47.4	-26.6	74	41.7	32.99	9.43	36.72	246	326	P	H
		5461.72	45.73	-22.47	68.2	39.99	33	9.46	36.72	246	326	P	H
		5421.82	38.15	-15.85	54	32.43	33	9.44	36.72	246	326	A	H
	*	5720	113.4	-	-	106.73	33.82	9.57	36.72	246	326	P	H
	*	5720	106.06	-	-	99.39	33.82	9.57	36.72	246	326	A	H
		5898.52	49.39	-18.81	68.2	42.06	34.3	9.74	36.71	246	326	P	H
		5392.18	48.74	-25.26	74	43.06	32.98	9.42	36.72	156	355	P	V
		5470	47.01	-21.19	68.2	41.27	33	9.46	36.72	156	355	P	V
		5409.66	39.35	-14.65	54	33.64	33	9.43	36.72	156	355	A	V
	*	5720	119.34	-	-	112.67	33.82	9.57	36.72	156	355	P	V
	*	5720	112.02	-	-	105.35	33.82	9.57	36.72	156	355	A	V
		5914.38	51.02	-17.18	68.2	43.73	34.24	9.76	36.71	156	355	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7998.4	54.13	-14.07	68.2	57.71	37.1	11.62	52.3	100	8	P	H
		11440	54.39	-19.61	74	55.14	39	13.48	53.23	-	-	P	H
		11440	41.37	-12.63	54	42.12	39	13.48	53.23	-	-	A	H
		17160	50.83	-17.37	68.2	51.35	37.96	16.48	54.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		7998.4	56.84	-11.36	68.2	60.42	37.1	11.62	52.3	168	358	P	V
5720MHz		11440	54.72	-19.28	74	55.47	39	13.48	53.23	-	-	P	V
		11440	41.53	-12.47	54	42.28	39	13.48	53.23	-	-	A	V
		17160	51.49	-16.71	68.2	52.01	37.96	16.48	54.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5353.9	47.18	-26.82	74	41.61	32.91	9.38	36.72	242	325	P	H
		5465.83	46.96	-21.24	68.2	41.22	33	9.46	36.72	242	325	P	H
		5440.87	38.12	-15.88	54	32.39	33	9.45	36.72	242	325	A	H
	*	5710	109.96	-	-	103.35	33.76	9.57	36.72	242	325	P	H
	*	5710	102.77	-	-	96.16	33.76	9.57	36.72	242	325	A	H
		5936	50.6	-17.6	68.2	43.36	34.16	9.79	36.71	242	325	P	H
		5394.46	48.39	-25.61	74	42.7	32.99	9.42	36.72	153	354	P	V
		5461.54	47.76	-20.44	68.2	42.02	33	9.46	36.72	153	354	P	V
		5458.81	39.75	-14.25	54	34.01	33	9.46	36.72	153	354	A	V
	*	5710	116.71	-	-	110.1	33.76	9.57	36.72	153	354	P	V
	*	5710	108.91	-	-	102.3	33.76	9.57	36.72	153	354	A	V
		5852	52.89	-15.31	68.2	45.72	34.2	9.68	36.71	153	354	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. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7998.4	53.43	-14.77	68.2	57.01	37.1	11.62	52.3	100	9	P	H
		11420	54.23	-19.77	74	55.04	39	13.47	53.28	-	-	P	H
		11420	41.2	-12.8	54	42.01	39	13.47	53.28	-	-	A	H
		17130	52.36	-15.84	68.2	53.04	37.93	16.47	55.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		7998.4	55.73	-12.47	68.2	59.31	37.1	11.62	52.3	180	357	P	V
5710MHz		11420	54.7	-19.3	74	55.51	39	13.47	53.28	-	-	P	V
		11420	41.42	-12.58	54	42.23	39	13.47	53.28	-	-	A	V
		17130	51.73	-16.47	68.2	52.41	37.93	16.47	55.08	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (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		5449.84	48.7	-25.3	74	42.97	33	9.45	36.72	251	325	P	H
		5462.32	47.89	-20.31	68.2	42.15	33	9.46	36.72	251	325	P	H
		5459.98	39.66	-14.34	54	33.92	33	9.46	36.72	251	325	A	H
	*	5690	107.37	-	-	100.95	33.58	9.56	36.72	251	325	P	H
	*	5690	99.37	-	-	92.95	33.58	9.56	36.72	251	325	A	H
		5854.6	53.83	-14.37	68.2	46.65	34.21	9.68	36.71	251	325	P	H
		5459.2	51.78	-22.22	74	46.04	33	9.46	36.72	154	354	P	V
		5469.73	52.11	-16.09	68.2	46.37	33	9.46	36.72	154	354	P	V
		5459.98	43.19	-10.81	54	37.45	33	9.46	36.72	154	354	P	V
	*	5690	114.02	-	-	107.6	33.58	9.56	36.72	154	354	P	V
	*	5690	105.48	-	-	99.06	33.58	9.56	36.72	154	354	P	V
		5853.1	56.99	-11.21	68.2	49.81	34.21	9.68	36.71	154	354	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. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7964.8	52.41	-15.79	68.2	56	37.1	11.6	52.29	-	-	P	H
		11380	55.79	-18.21	74	56.71	39	13.44	53.36	-	-	P	H
		11380	42.59	-11.41	54	43.51	39	13.44	53.36	-	-	A	H
		17070	51.7	-16.5	68.2	52.75	37.84	16.43	55.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		7964.8	54.23	-13.97	68.2	57.82	37.1	11.6	52.29	100	358	P	V
5690MHz		11380	55.97	-18.03	74	56.89	39	13.44	53.36	-	-	P	V
		11380	42.62	-11.38	54	43.54	39	13.44	53.36	-	-	A	V
		17070	50.64	-17.56	68.2	51.69	37.84	16.43	55.32	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

<Sample 1 with Battery 2>

Band 2 - 5250~5350MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.5	51.37	-22.63	74	45.81	33.2	9.09	36.73	252	340	P	H
		5147.56	40.87	-13.13	54	35.3	33.2	9.1	36.73	252	340	A	H
	*	5290	109.39	-	-	103.99	32.82	9.3	36.72	252	340	P	H
	*	5290	101.34	-	-	95.94	32.82	9.3	36.72	252	340	A	H
802.11ax		5351.76	64.27	-9.73	74	58.72	32.9	9.37	36.72	252	340	P	H
HE80 Full		5351.98	52.78	-1.22	54	47.23	32.9	9.37	36.72	252	340	A	H
CH 58		5074.12	48.31	-25.69	74	42.89	33.2	8.95	36.73	350	95	P	V
5290MHz		5106.76	37.92	-16.08	54	32.43	33.2	9.02	36.73	350	95	A	V
	*	5290	104.26	-	-	98.86	32.82	9.3	36.72	350	95	P	V
	*	5290	95.62	-	-	90.22	32.82	9.3	36.72	350	95	P	V
		5351.54	59.99	-14.01	74	54.44	32.9	9.37	36.72	350	95	A	V
		5352.42	47.82	-6.18	54	42.26	32.9	9.38	36.72	350	95	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		7057.6	53.78	-14.42	68.2	58.61	36.13	10.49	52.29	400	304	P	H
		10580	50.74	-17.46	68.2	53.57	38.96	12.49	54.79	-	-	P	H
		15870	52.4	-21.6	74	54.22	37.59	15.11	55.1	100	334	P	H
		15870	38.08	-15.92	54	39.9	37.59	15.11	55.1	100	334	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7057.6	57.08	-11.12	68.2	61.91	36.13	10.49	52.29	100	17	P	V
5290MHz		10580	49.97	-18.23	68.2	52.8	38.96	12.49	54.79	-	-	P	V
		15870	53	-21	74	54.82	37.59	15.11	55.1	357	56	P	V
		15870	38.7	-15.3	54	40.52	37.59	15.11	55.1	357	56	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

<Sample 1 with Battery 3>

Band 2 - 5250~5350MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		5093.16	49.38	-24.62	74	43.92	33.2	8.99	36.73	170	326	P	H
		5119	38.62	-15.38	54	33.11	33.2	9.04	36.73	170	326	A	H
	*	5290	104.67	-	-	99.27	32.82	9.3	36.72	170	326	P	H
	*	5290	95.71	-	-	90.31	32.82	9.3	36.72	170	326	A	H
		5368.48	57.85	-16.15	74	52.24	32.94	9.39	36.72	170	326	P	H
		5350.22	46.17	-7.83	54	40.62	32.9	9.37	36.72	170	326	A	H
		5140.76	51.8	-22.2	74	46.25	33.2	9.08	36.73	103	329	P	V
		5141.78	41.24	-12.76	54	35.68	33.2	9.09	36.73	103	329	A	V
	*	5290	110.58	-	-	105.18	32.82	9.3	36.72	103	329	P	V
	*	5290	100.77	-	-	95.37	32.82	9.3	36.72	103	329	P	V
		5352.86	61.96	-12.04	74	56.39	32.91	9.38	36.72	103	329	A	V
		5352.64	50.11	-3.89	54	44.54	32.91	9.38	36.72	103	329	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7057.6	54.47	-13.73	68.2	59.3	36.13	10.49	52.29	400	301	P	H
		10580	50.34	-17.86	68.2	53.17	38.96	12.49	54.79	-	-	P	H
		15870	53.71	-20.29	74	55.53	37.59	15.11	55.1	-	-	P	H
		15870	41.28	-12.72	54	43.1	37.59	15.11	55.1	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7057.6	57.26	-10.94	68.2	62.09	36.13	10.49	52.29	100	17	P	V
5290MHz		10580	50.21	-17.99	68.2	53.04	38.96	12.49	54.79	-	-	P	V
		15870	53.86	-20.14	74	55.68	37.59	15.11	55.1	-	-	P	V
		15870	41.43	-12.57	54	43.25	37.59	15.11	55.1	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

<Sample 2 with Battery 2>

Band 2 - 5250~5350MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		5121.72	48.62	-25.38	74	43.1	33.2	9.05	36.73	253	25	P	H
		5136	37.86	-16.14	54	32.31	33.2	9.08	36.73	253	25	A	H
	*	5290	104.28	-	-	98.88	32.82	9.3	36.72	253	25	P	H
	*	5290	95.05	-	-	89.65	32.82	9.3	36.72	253	25	A	H
		5359.9	55.83	-18.17	74	50.25	32.92	9.38	36.72	253	25	P	H
		5350	45.39	-8.61	54	39.84	32.9	9.37	36.72	253	25	A	H
		5123.42	52.06	-21.94	74	46.54	33.2	9.05	36.73	128	354	P	V
		5148.58	41.11	-12.89	54	35.54	33.2	9.1	36.73	128	354	A	V
	*	5290	110.27	-	-	104.87	32.82	9.3	36.72	128	354	P	V
	*	5290	100.83	-	-	95.43	32.82	9.3	36.72	128	354	P	V
		5358.8	60.81	-13.19	74	55.23	32.92	9.38	36.72	128	354	A	V
		5350	50.72	-3.28	54	45.17	32.9	9.37	36.72	128	354	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		7057.6	55.35	-12.85	68.2	60.18	36.13	11.33	52.29	296	70	P	H
		10580	50.78	-17.42	68.2	53.61	38.96	13	54.79	-	-	P	H
		15870	52.31	-21.69	74	54.13	37.59	15.69	55.1	-	-	P	H
		15870	39.68	-14.32	54	41.5	37.59	15.69	55.1	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		7057.6	56.21	-11.99	68.2	61.04	36.13	11.33	52.29	187	13	P	V
5290MHz		10580	50.44	-17.76	68.2	53.27	38.96	13	54.79	-	-	P	V
		15870	54.46	-19.54	74	56.28	37.59	15.69	55.1	-	-	P	V
		15870	41.41	-12.59	54	43.23	37.59	15.69	55.1	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

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 **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	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. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

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. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

Test Engineer :	Eric Shou, Quentin Liu and Bigshow Wang	**Temperature :**	21~26°C
		Relative Humidity :	45~60%

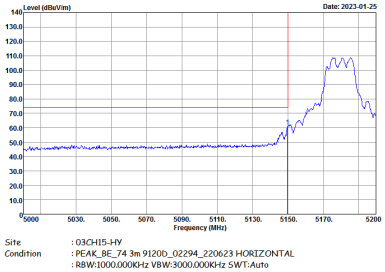
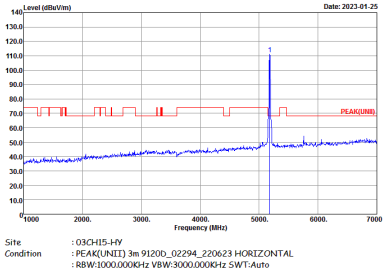
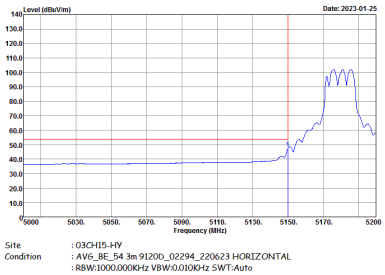
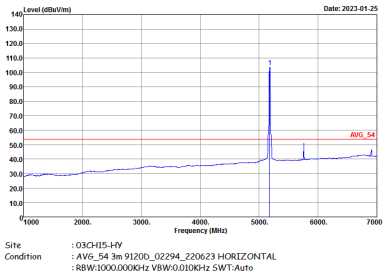
Note symbol

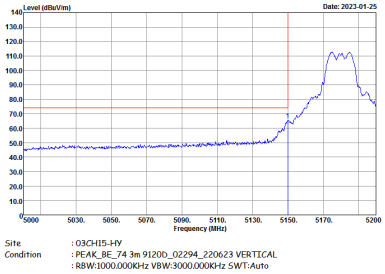
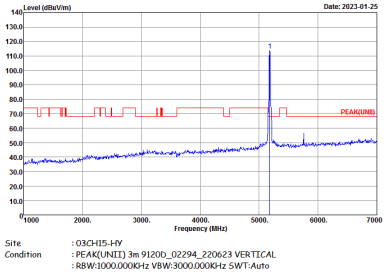
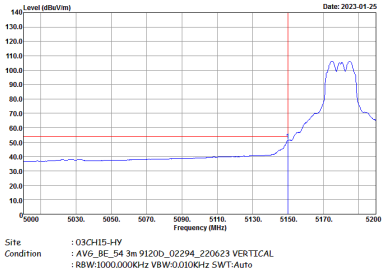
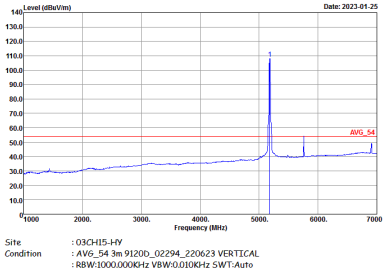
-L	**Low channel location**
-R	**High channel location**

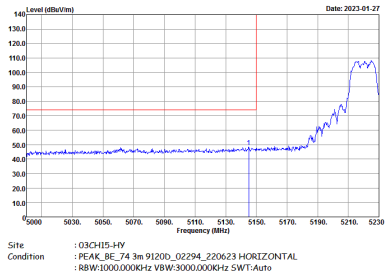
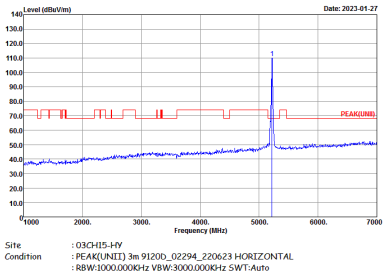
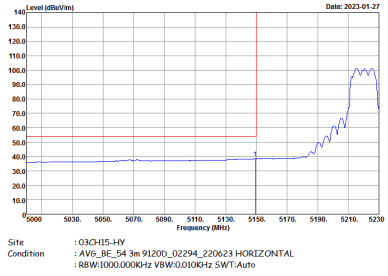
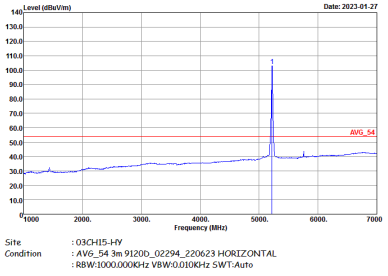
<Sample 1 with Battery 1>

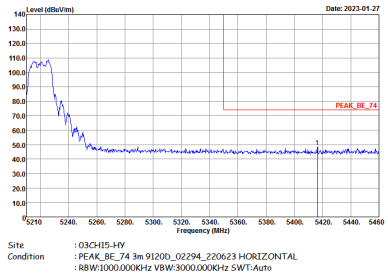
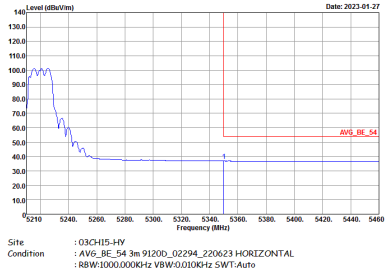
Band 1 - 5150~5250MHz

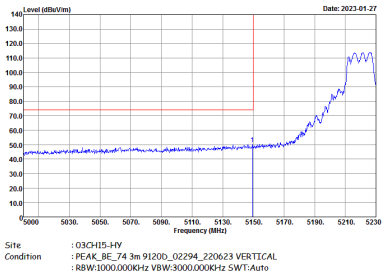
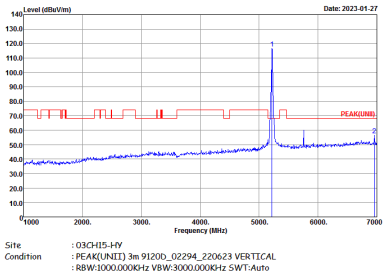
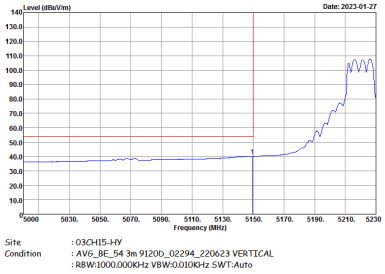
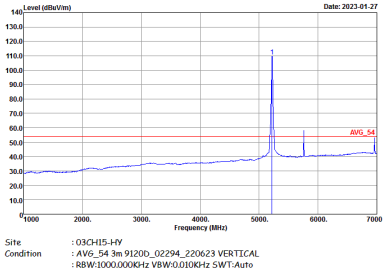
WIFI 802.11a (Band Edge @ 3m)

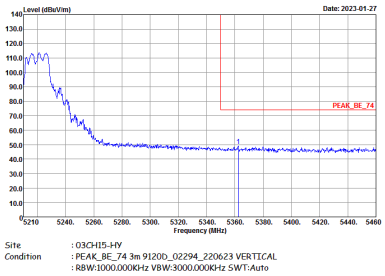
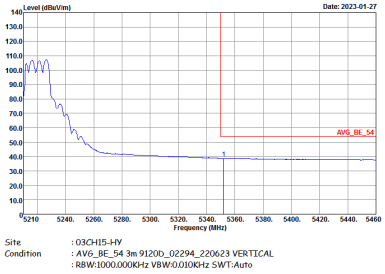
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		

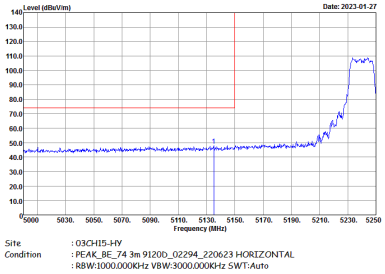
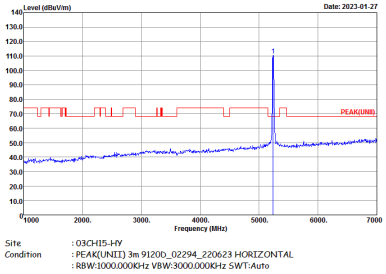
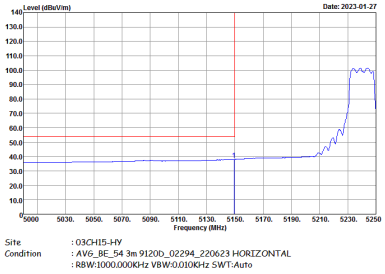
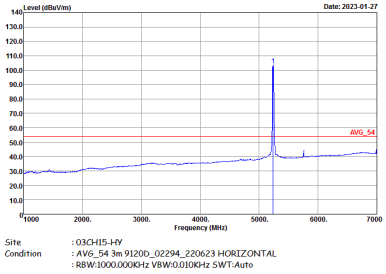
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		

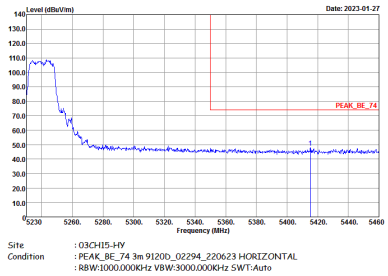
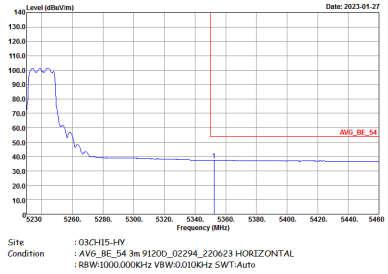
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

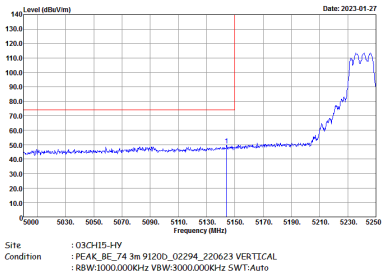
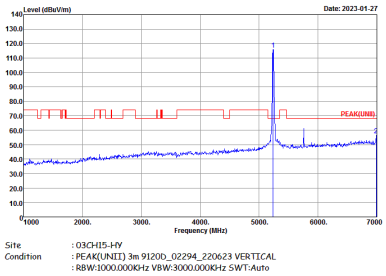
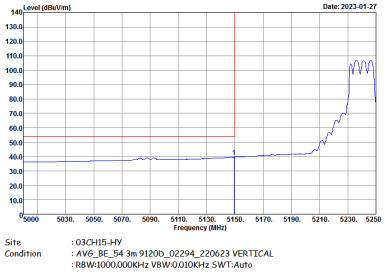
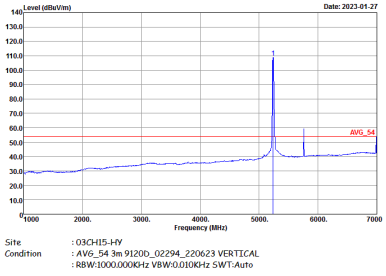
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

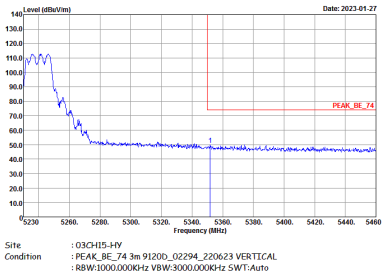
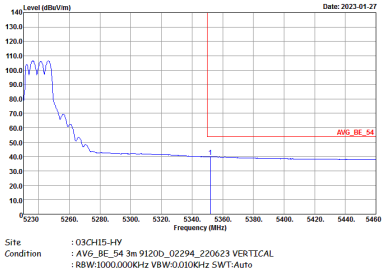
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

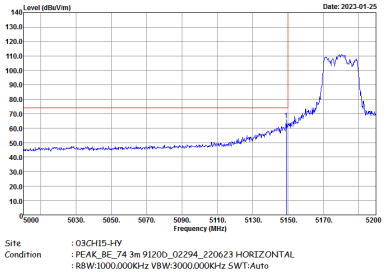
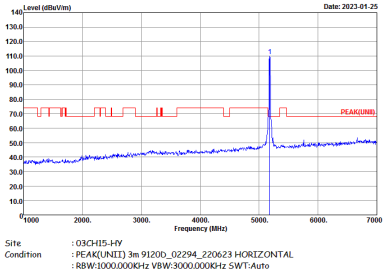
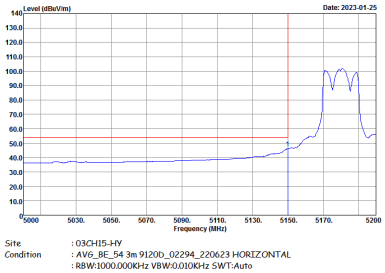
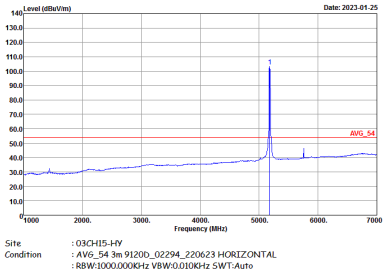
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

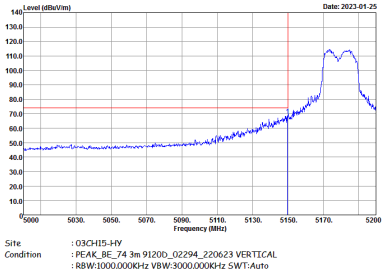
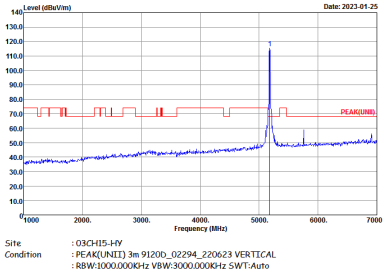
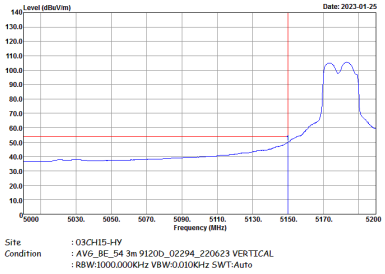
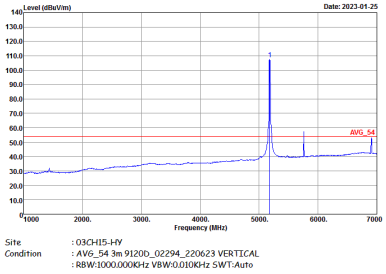
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

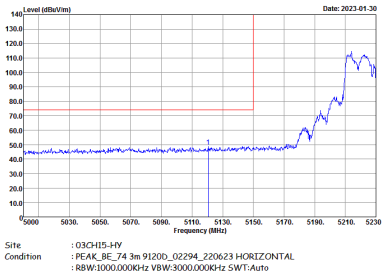
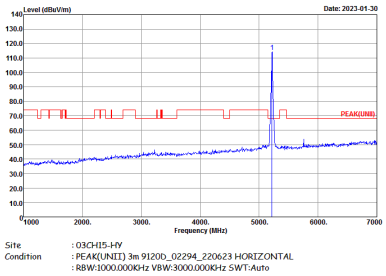
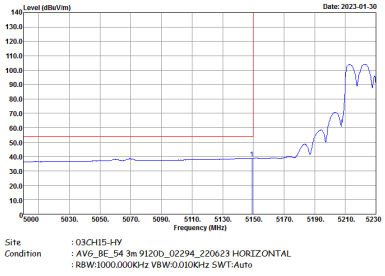
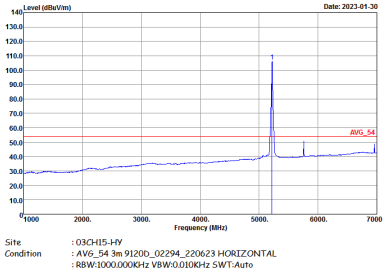
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

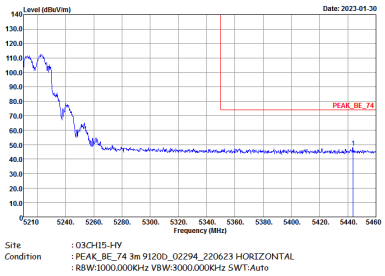
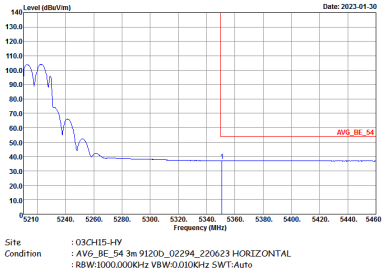
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

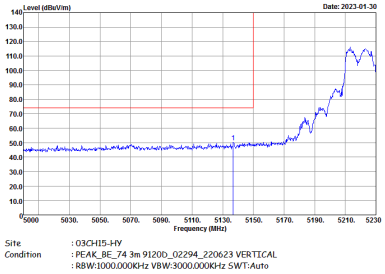
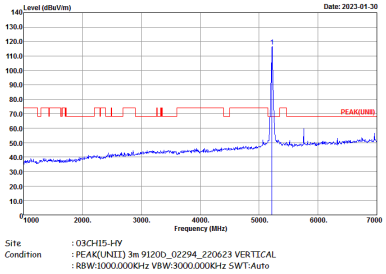
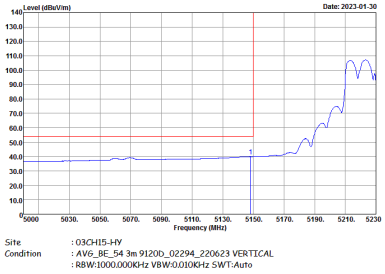
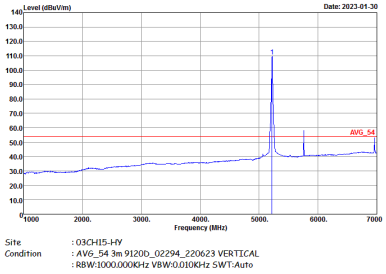
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

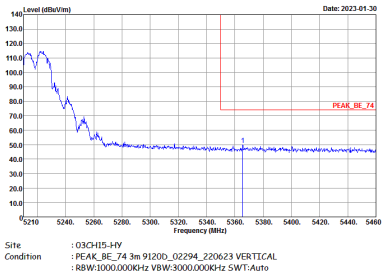
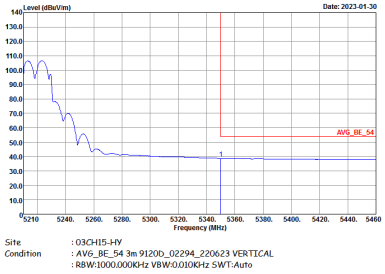
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		

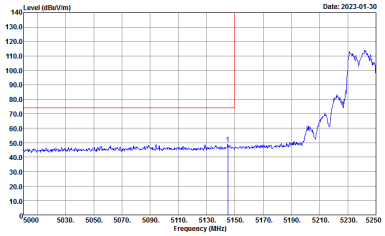
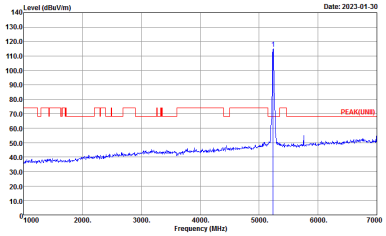
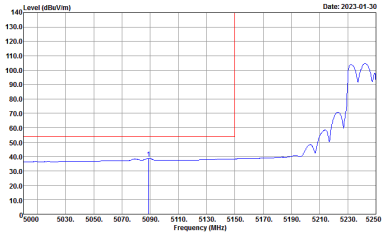
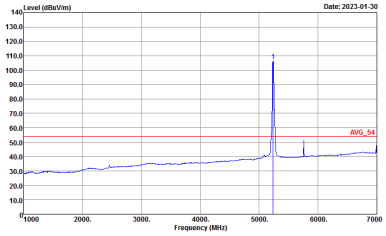
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		

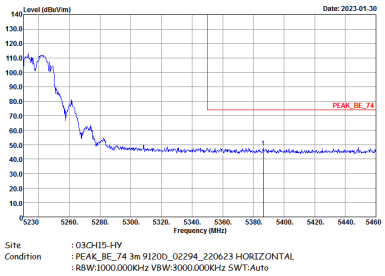
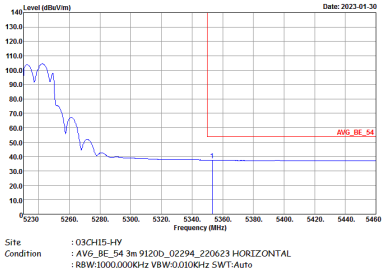
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

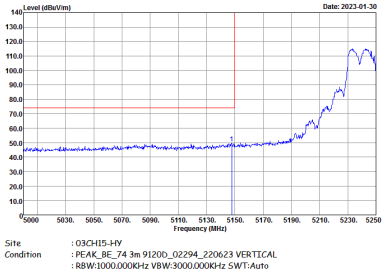
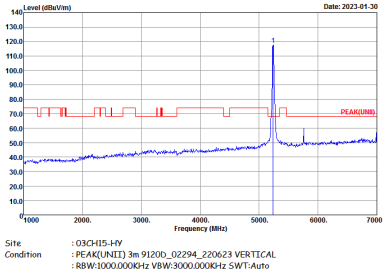
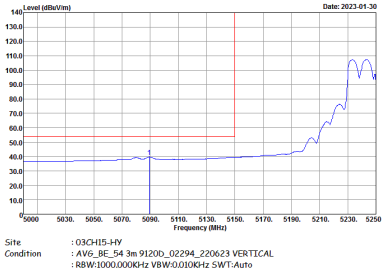
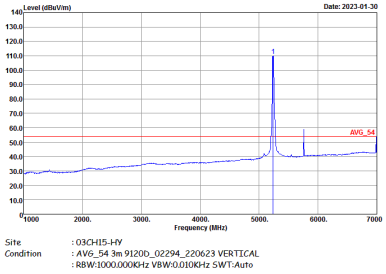
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

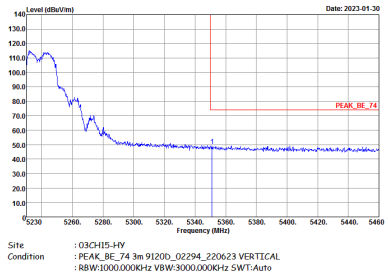
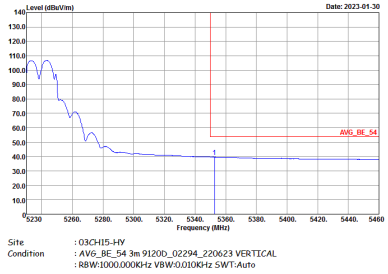
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

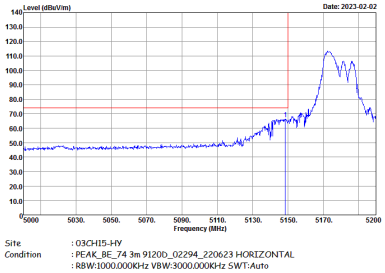
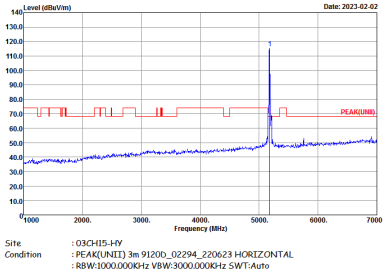
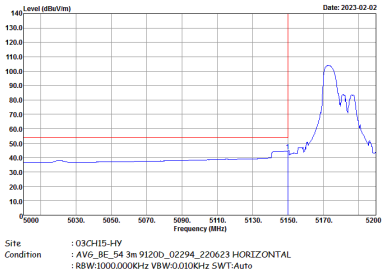
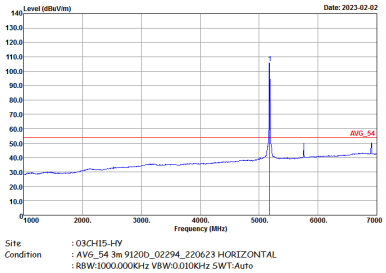
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

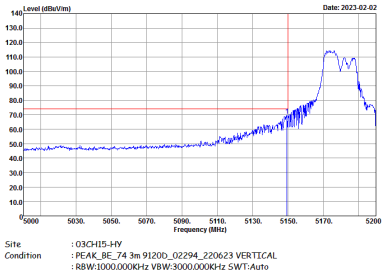
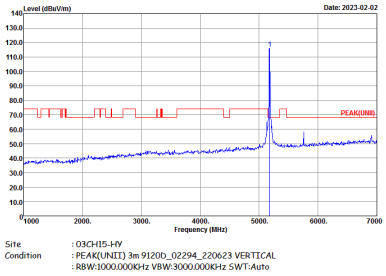
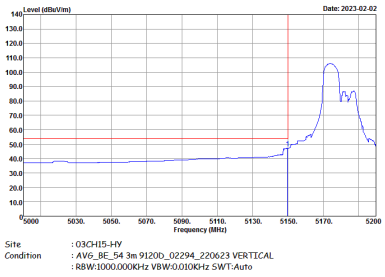
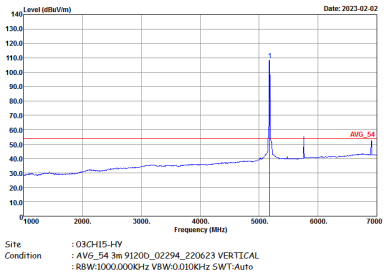
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

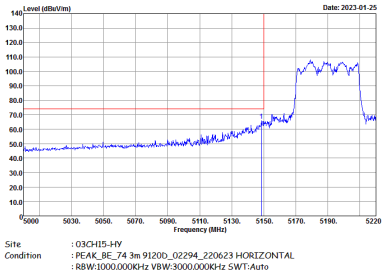
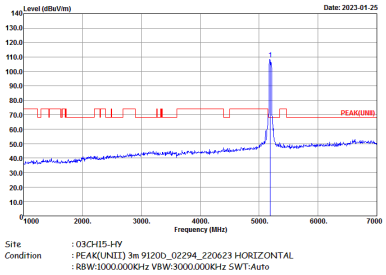
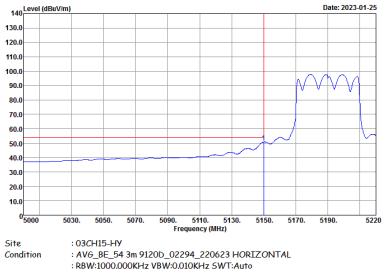
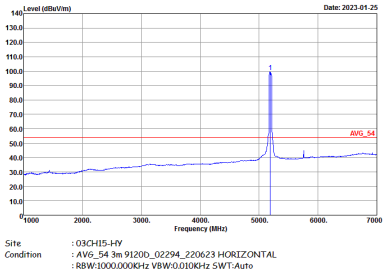
Band 1 5150~5250MHz

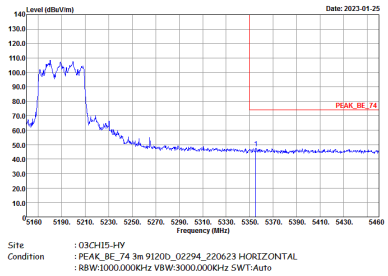
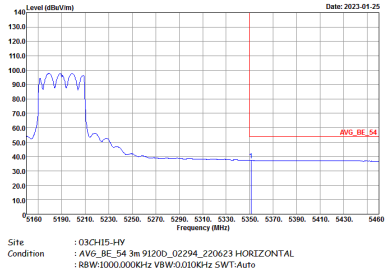
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

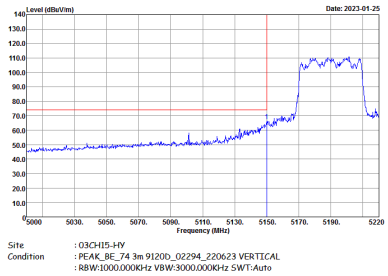
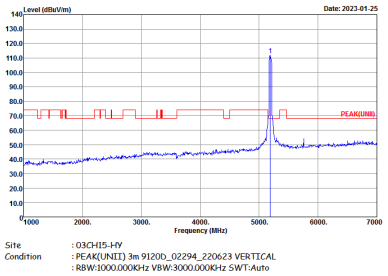
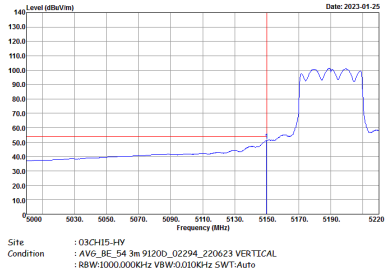
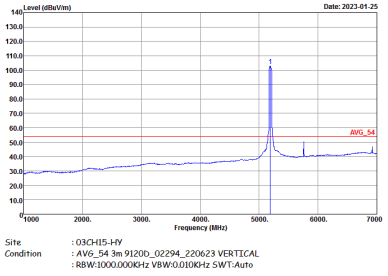
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak		
Avg.		

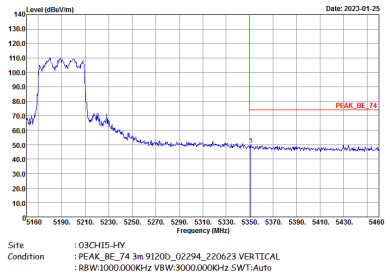
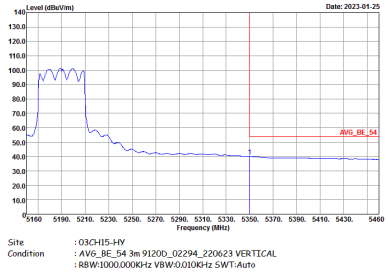
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		

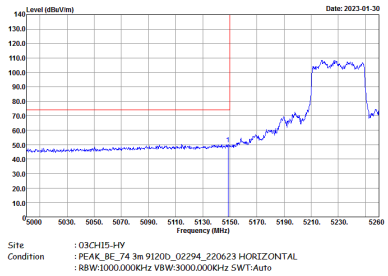
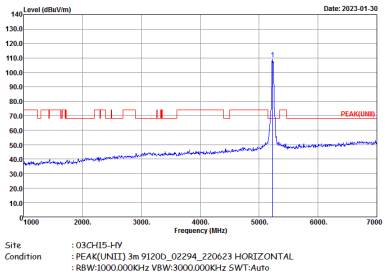
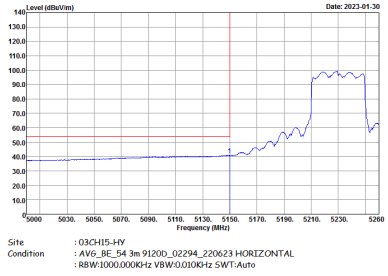
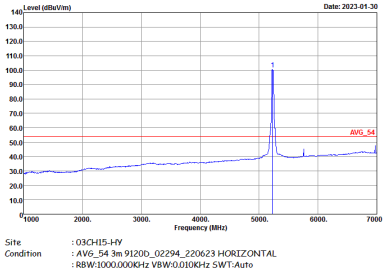
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

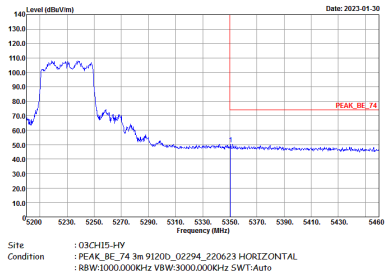
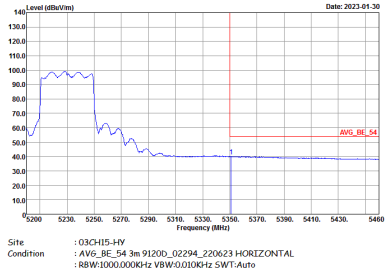
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

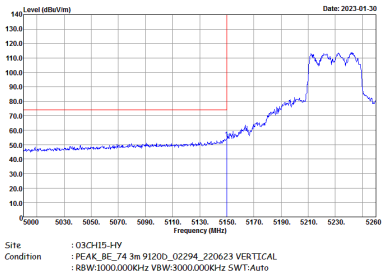
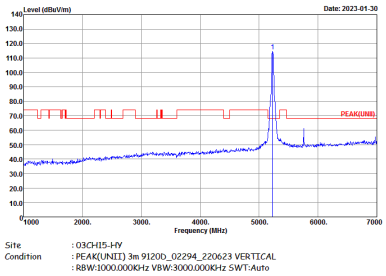
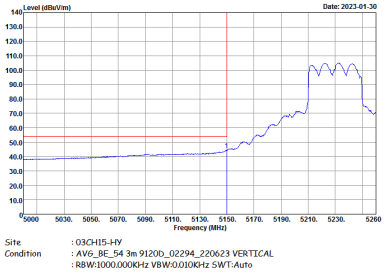
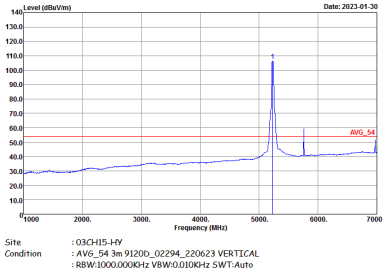
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

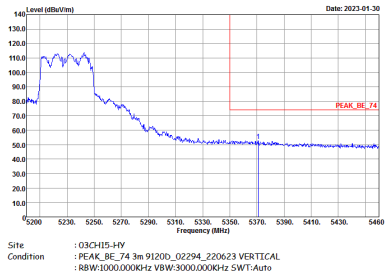
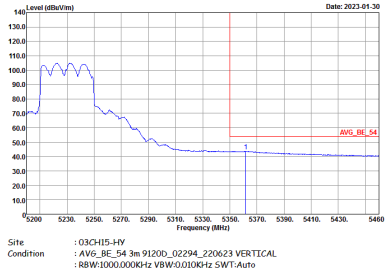
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

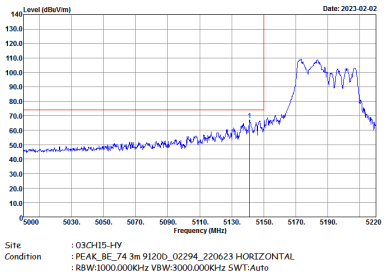
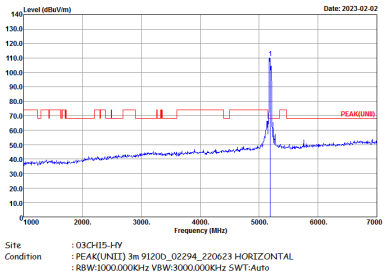
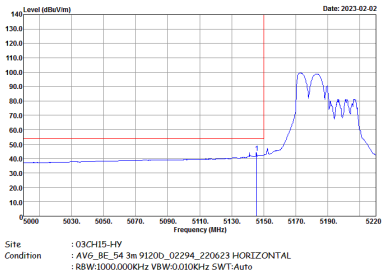
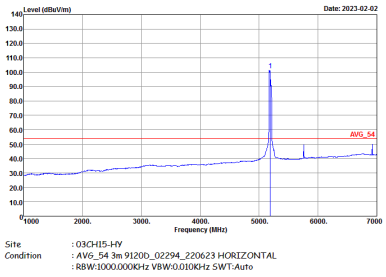
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

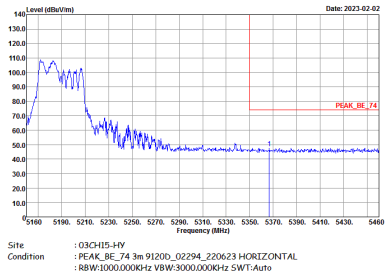
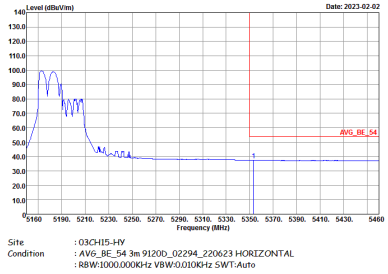
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

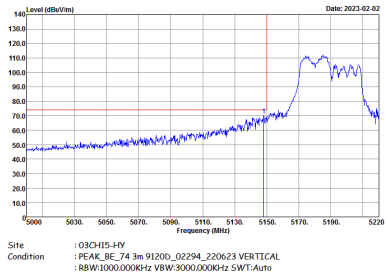
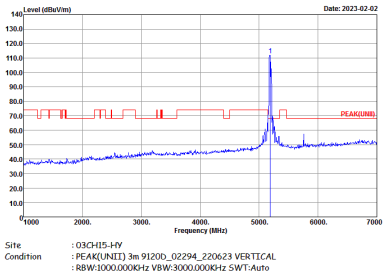
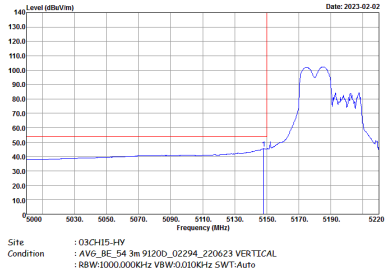
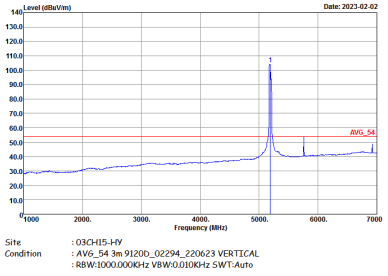
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

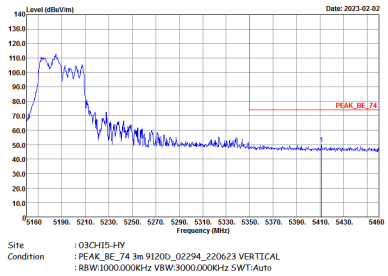
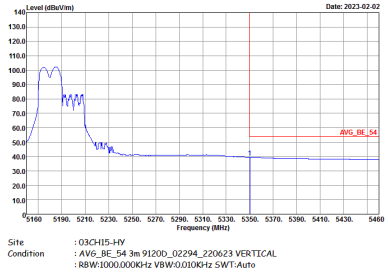
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

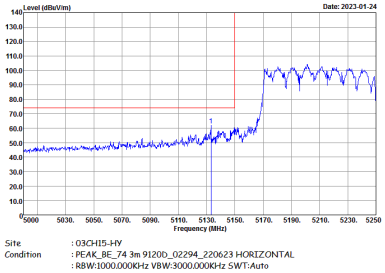
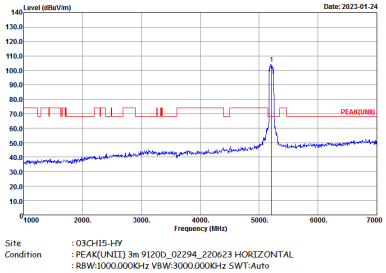
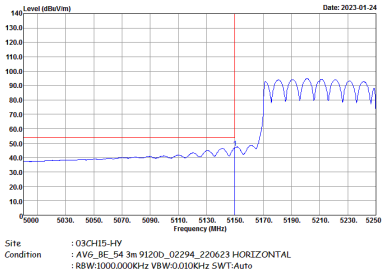
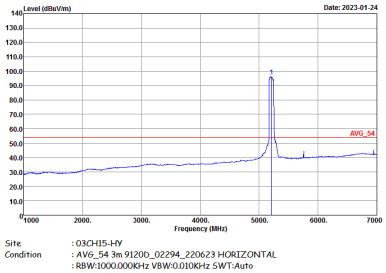
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

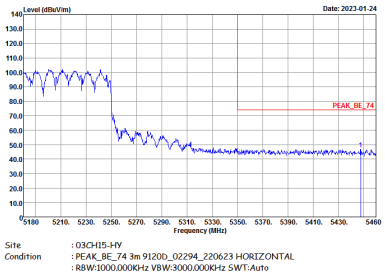
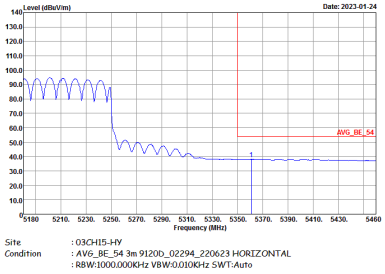
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

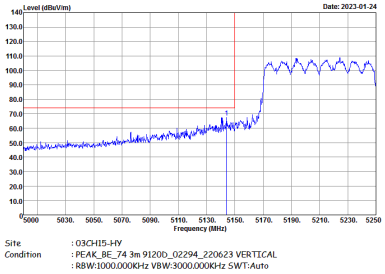
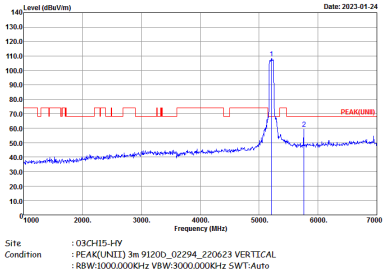
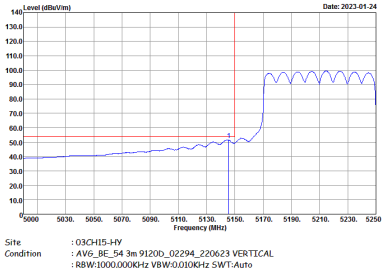
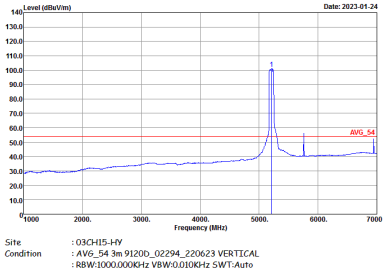
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

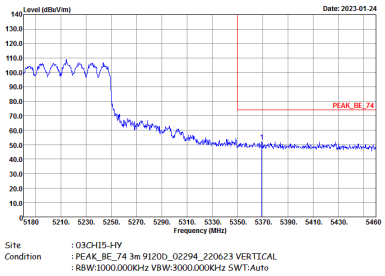
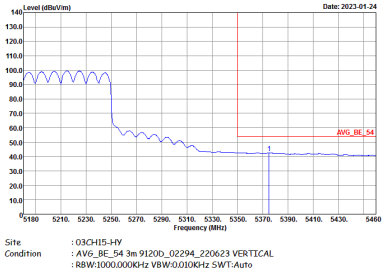
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
0+1	Horizontal	Fundamental
Peak		
Avg.		

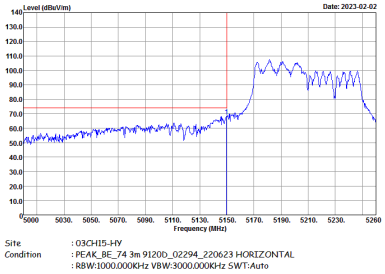
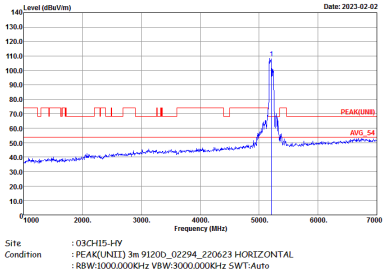
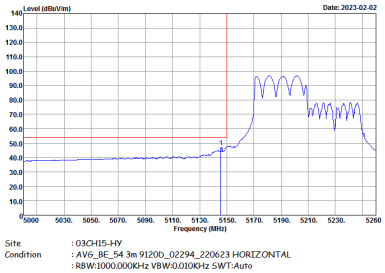
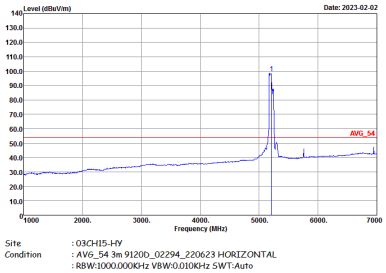
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

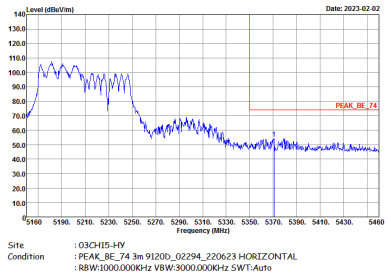
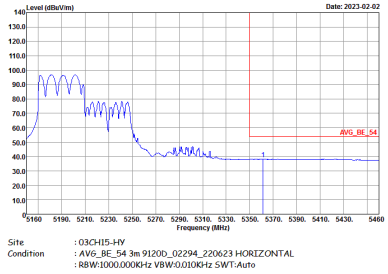
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

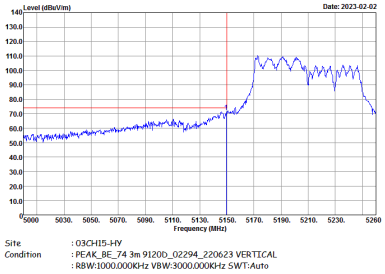
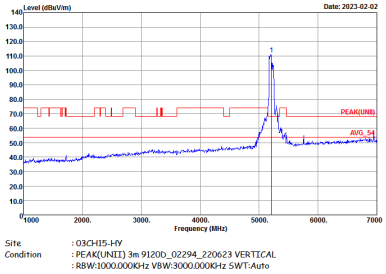
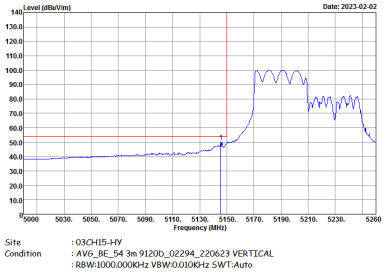
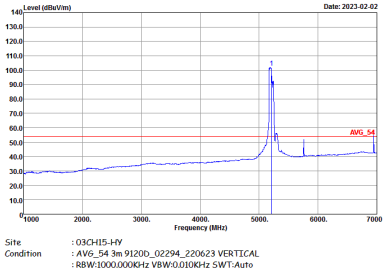
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

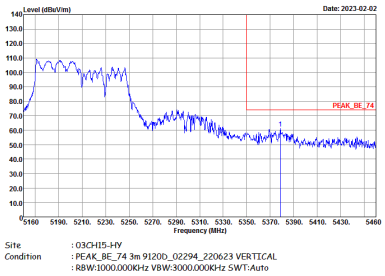
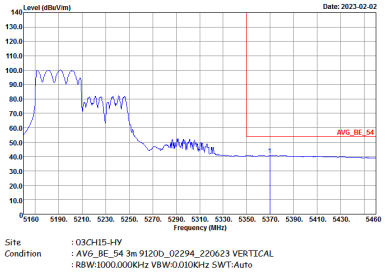
Band 1 5150~5250MHz

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

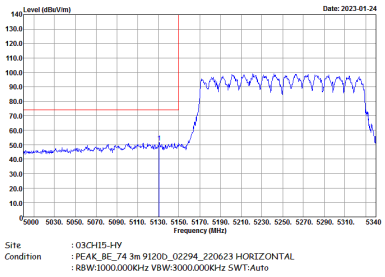
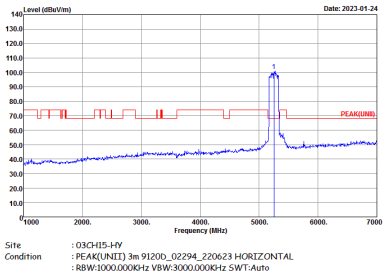
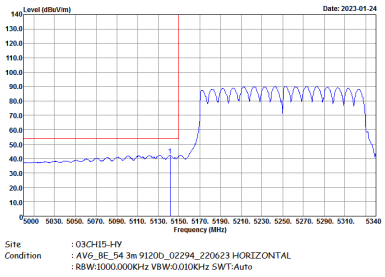
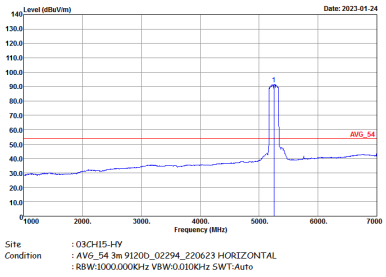
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

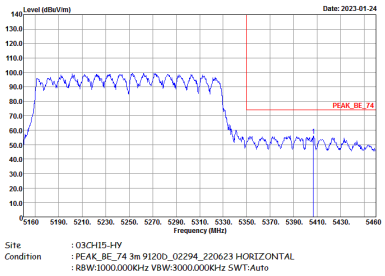
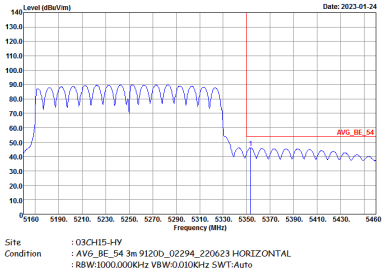
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

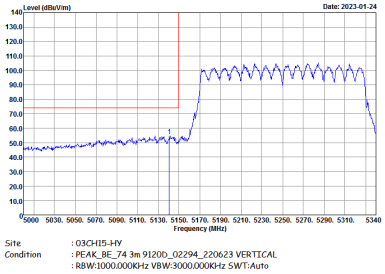
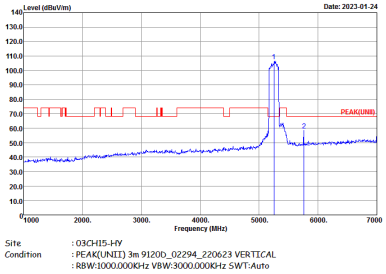
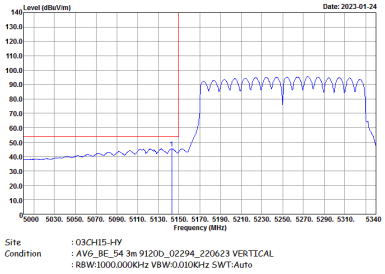
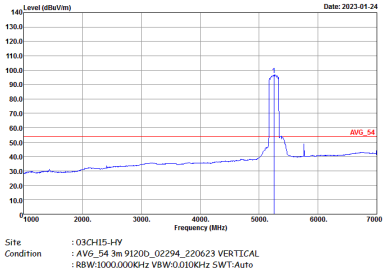
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

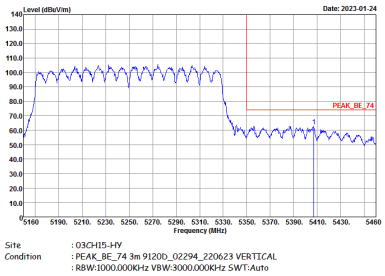
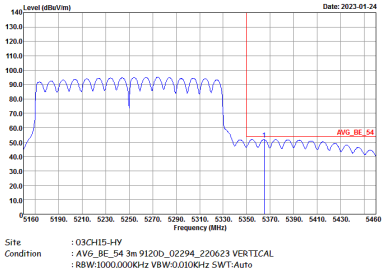
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
0+1	Horizontal	Fundamental
Peak		
Avg.		

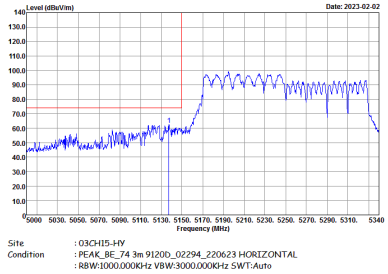
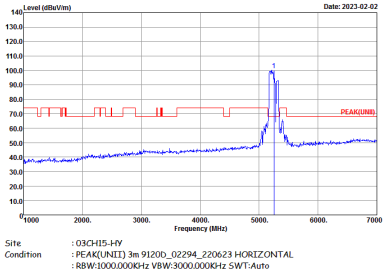
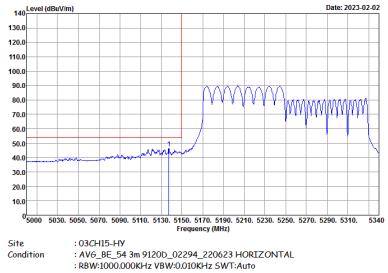
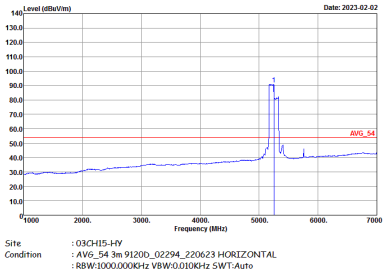
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

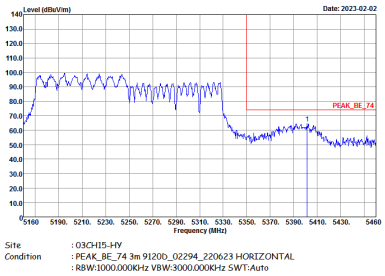
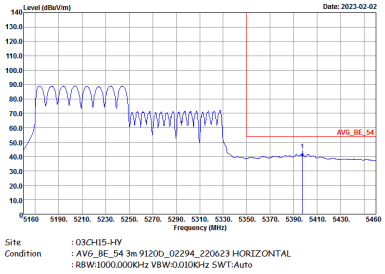
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

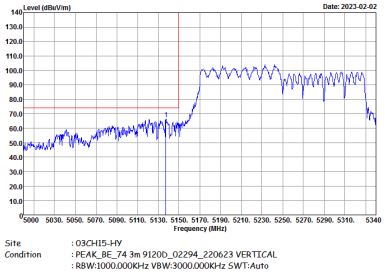
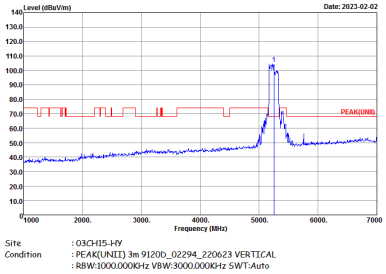
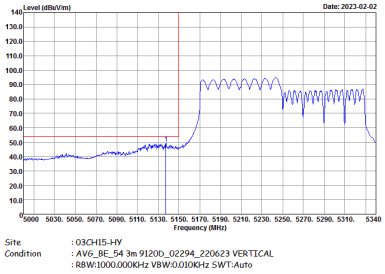
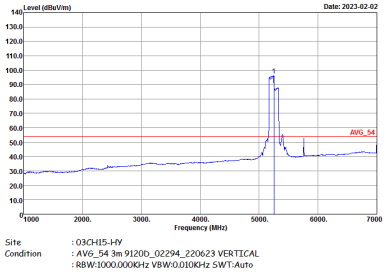
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

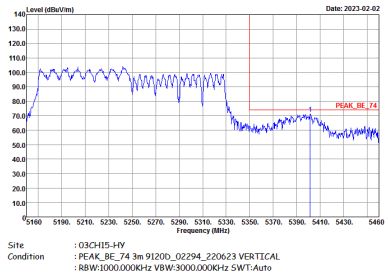
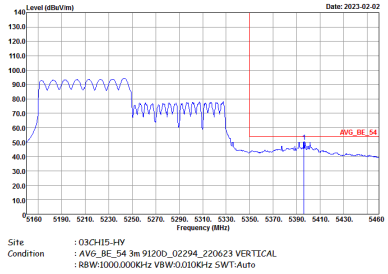
Band 1 5150~5250MHz

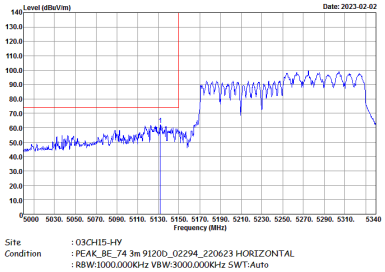
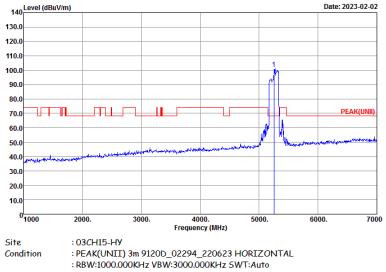
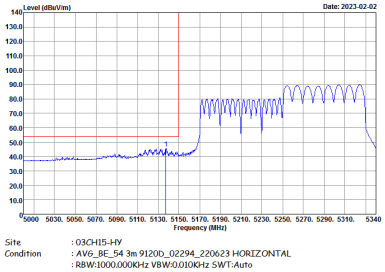
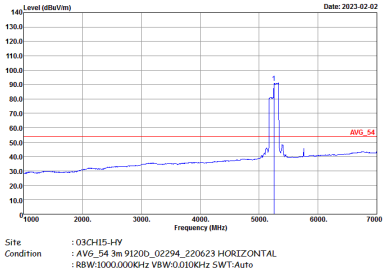
WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

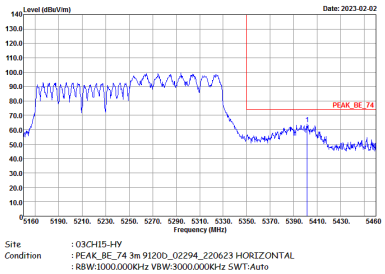
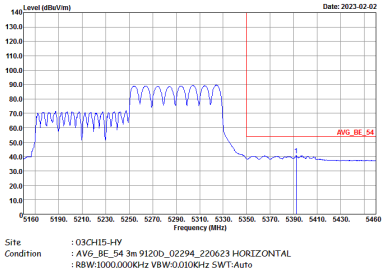
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

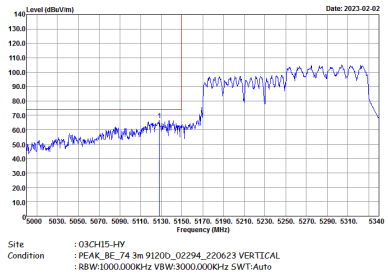
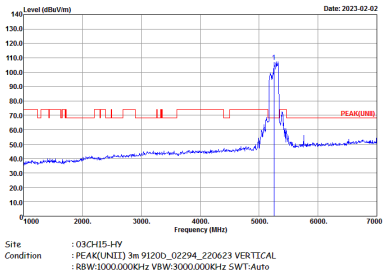
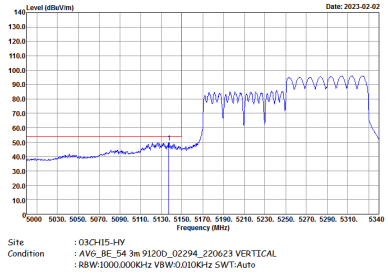
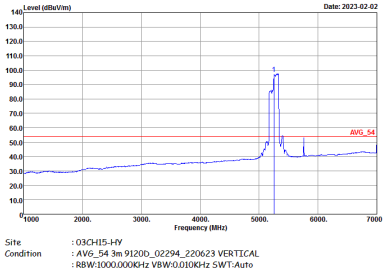
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

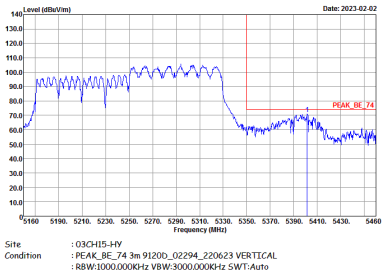
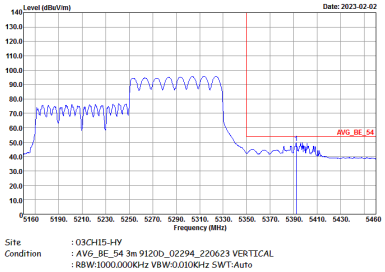
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/68 CH50 5250MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

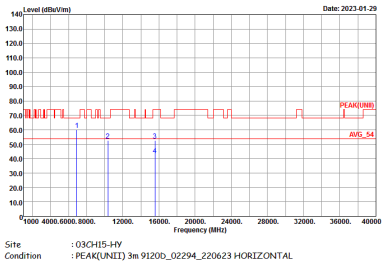
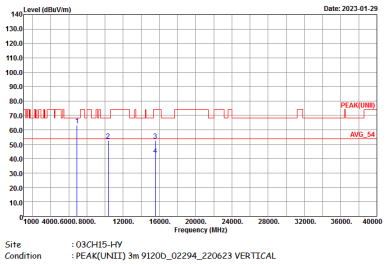
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/68 CH50 5250MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

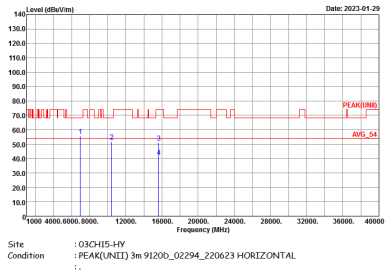
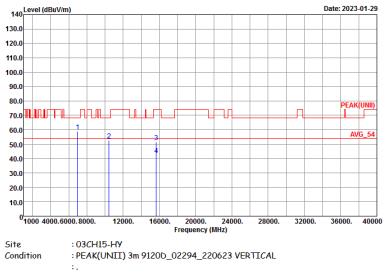
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/68 CH50 5250MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

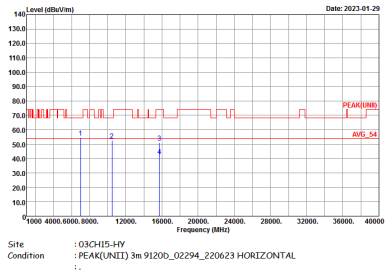
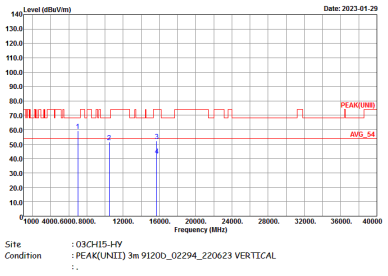
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/68 CH50 5250MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

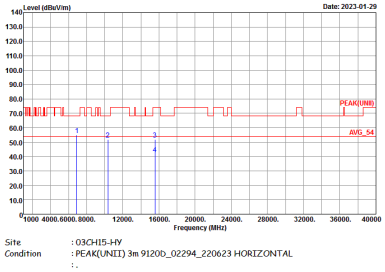
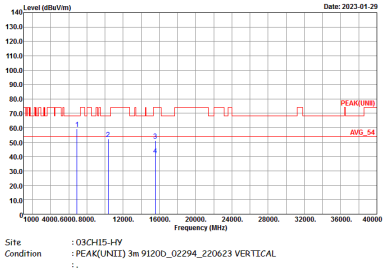
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.		

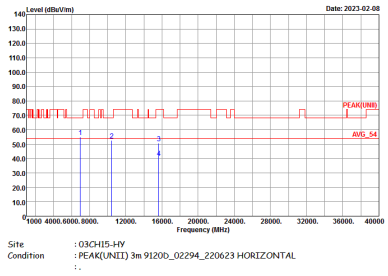
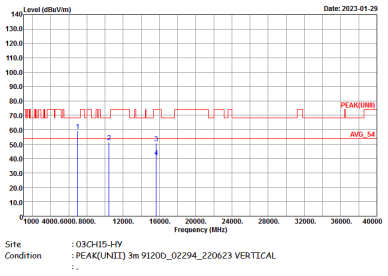
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.		

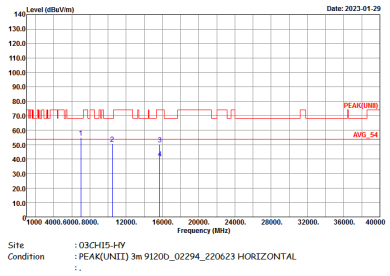
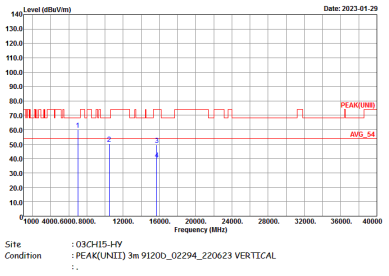
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

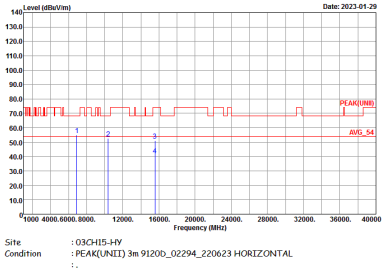
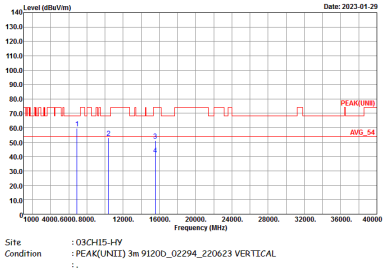
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.		

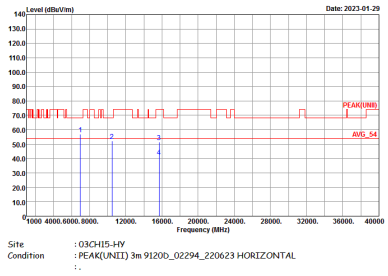
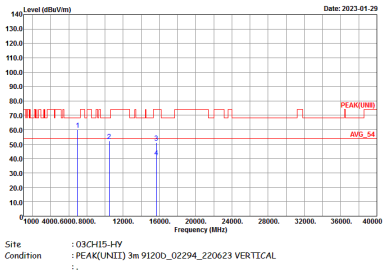
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

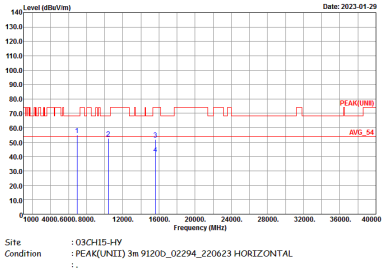
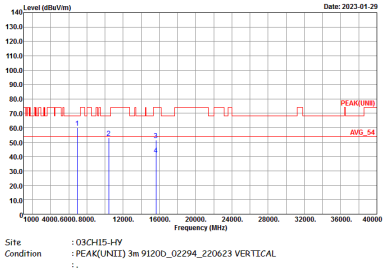
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
0+1	Horizontal	Vertical
Peak Avg.		

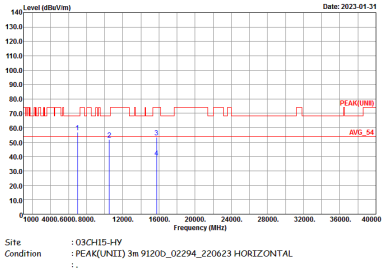
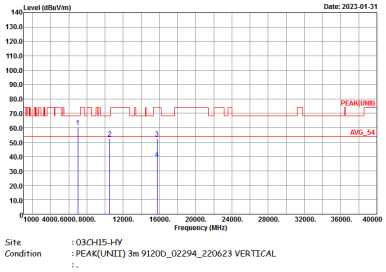
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
0+1	Horizontal	Vertical
Peak Avg.		

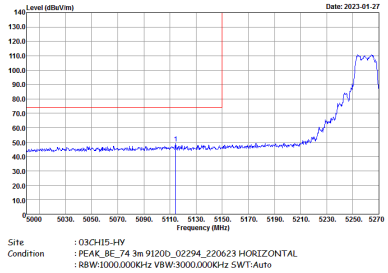
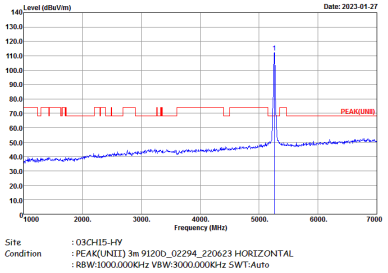
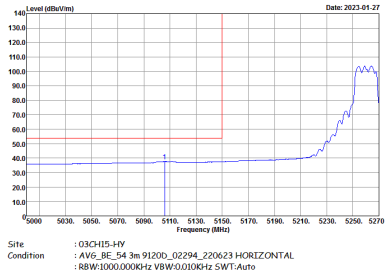
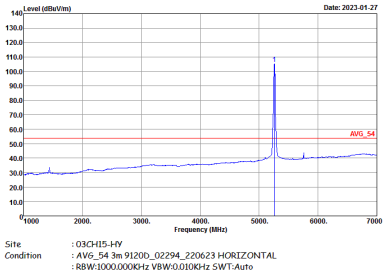
Band 1 5150~5250MHz

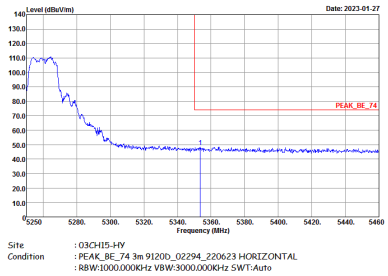
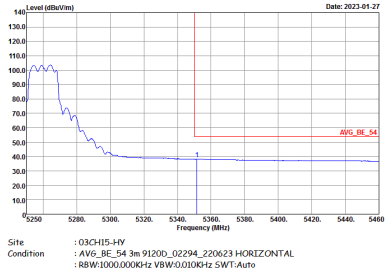
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

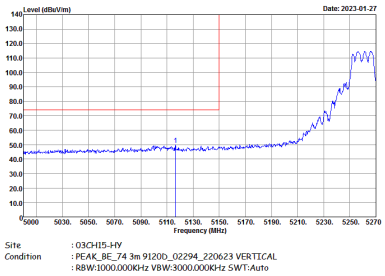
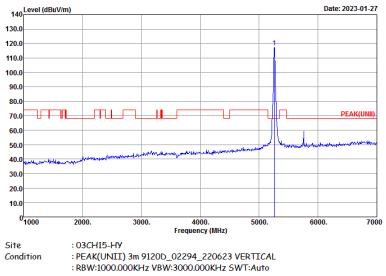
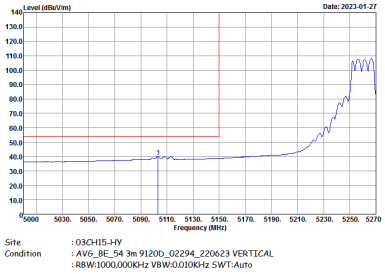
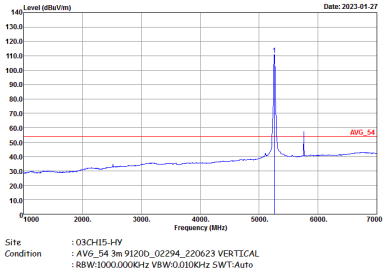
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
0+1	Horizontal	Vertical
Peak Avg.		

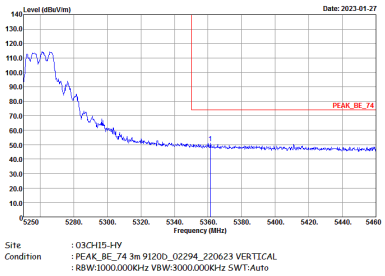
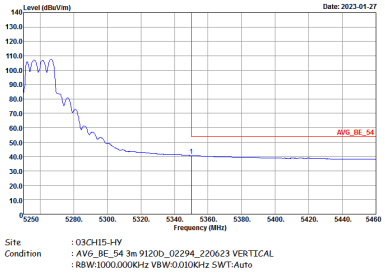
Band 2 - 5250~5350MHz

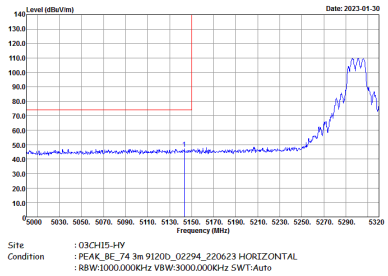
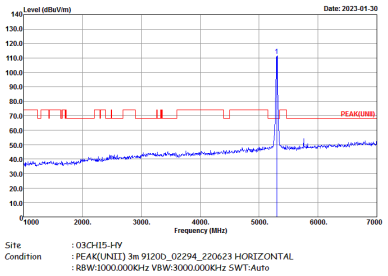
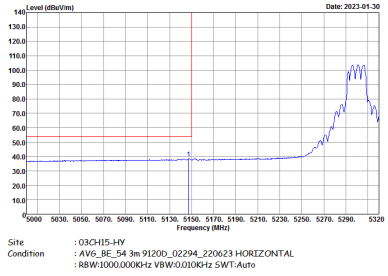
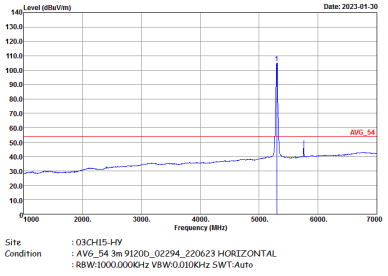
WIFI 802.11a (Band Edge @ 3m)

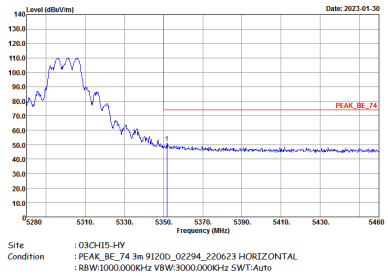
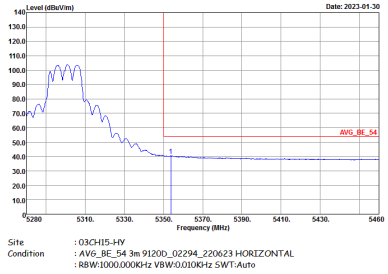
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

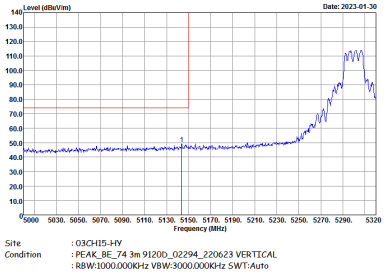
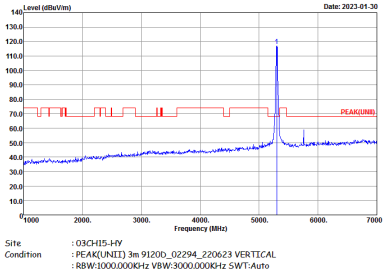
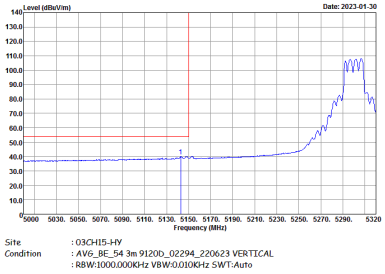
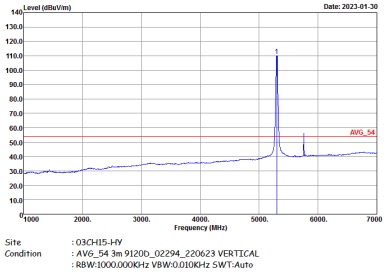
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

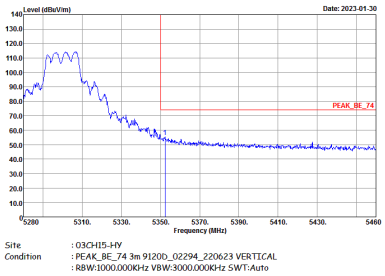
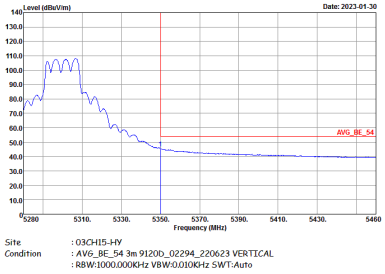
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

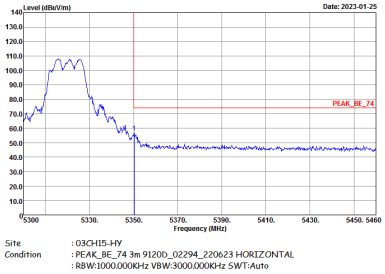
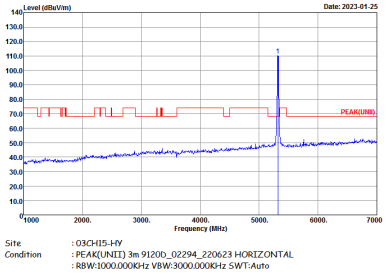
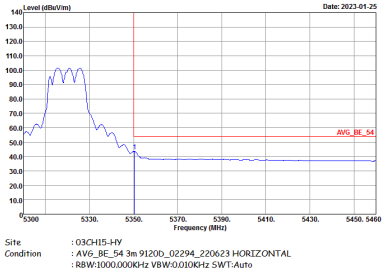
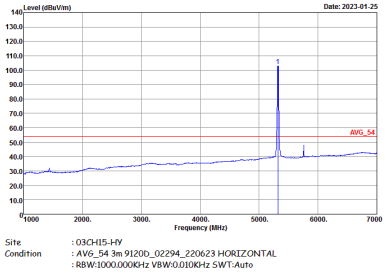
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

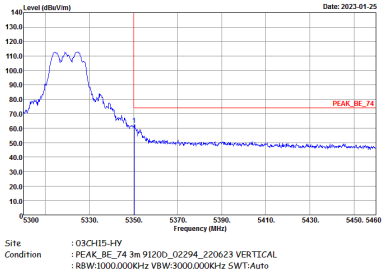
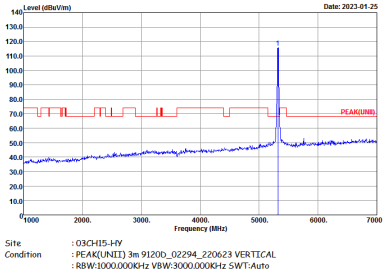
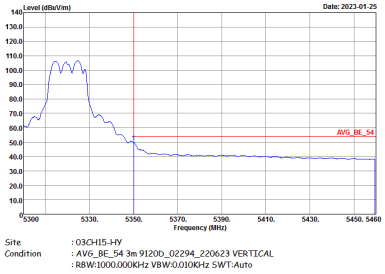
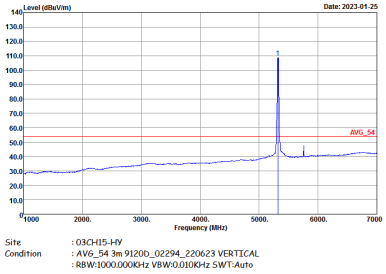
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

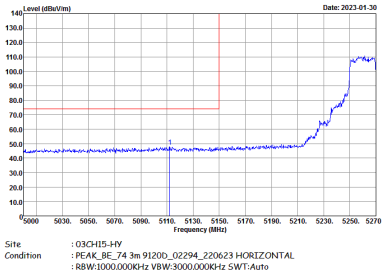
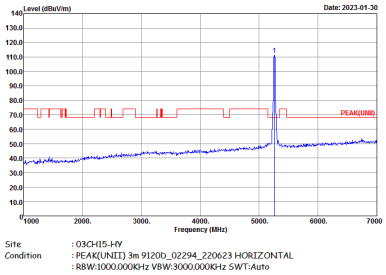
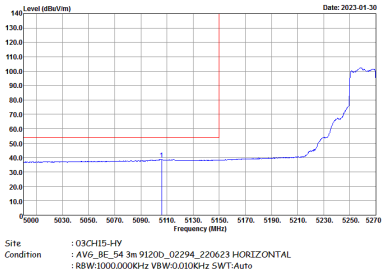
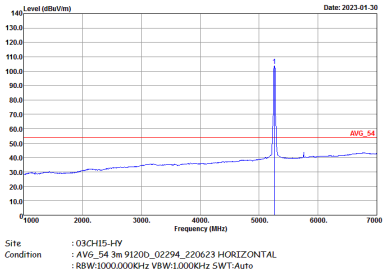
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

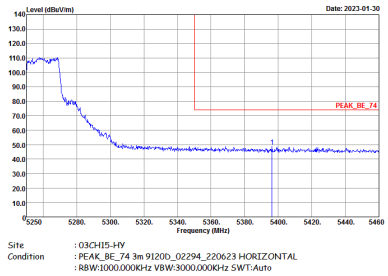
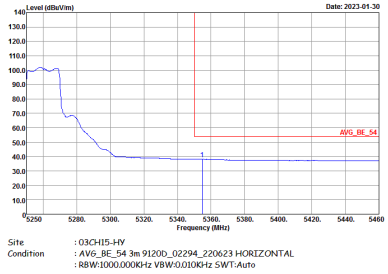
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

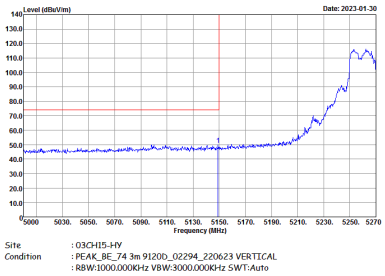
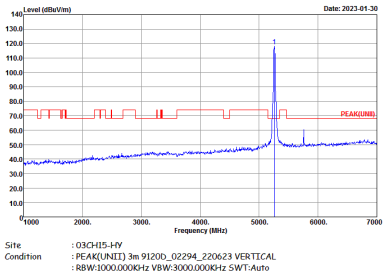
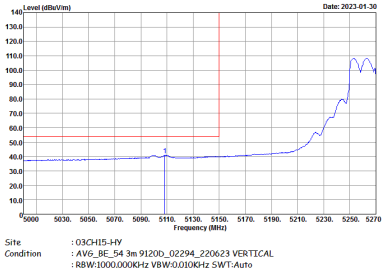
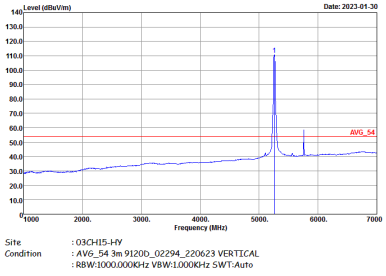
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Vertical	Fundamental
Peak		
Avg.		

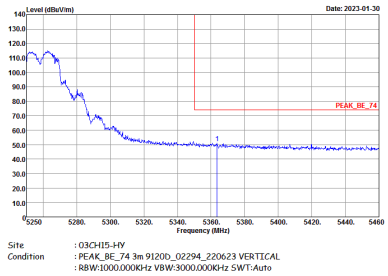
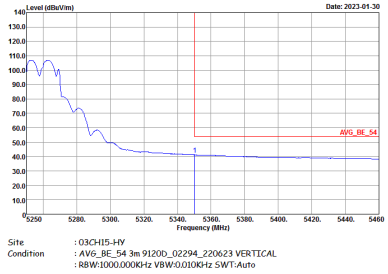
Band 2 5250~5350MHz

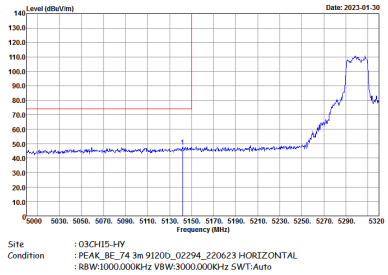
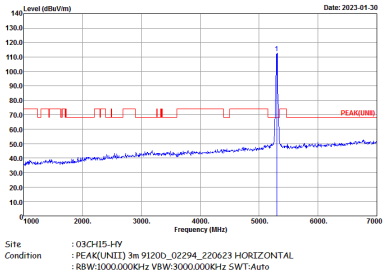
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak		
Avg.