



# FCC RADIO TEST REPORT

**FCC ID** : UZ7ET60AW  
**Equipment** : Rugged 2 in 1 Android Tablet  
**Brand Name** : Zebra  
**Model Name** : ET60AW  
**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 Mar. 30, 2023 and testing was performed from Apr. 24, 2023 to Jun 01, 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.

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.)



## Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
<b>1 General Description .....</b>	<b>5</b>
1.1 Product Feature of Equipment Under Test.....	5
1.2 Product Specification of Equipment Under Test.....	8
1.3 Modification of EUT .....	9
1.4 Testing Location .....	10
1.5 Applicable Standards.....	10
<b>2 Test Configuration of Equipment Under Test .....</b>	<b>11</b>
2.1 Carrier Frequency and Channel .....	11
2.2 Test Mode.....	13
2.3 Connection Diagram of Test System.....	16
2.4 Support Unit used in test configuration and system .....	17
2.5 EUT Operation Test Setup .....	17
2.6 Measurement Results Explanation Example.....	17
<b>3 Test Result .....</b>	<b>18</b>
3.1 26dB & 99% Occupied Bandwidth Measurement .....	18
3.2 Maximum Conducted Output Power Measurement .....	22
3.3 Power Spectral Density Measurement .....	24
3.4 Unwanted Emissions Measurement.....	37
3.5 AC Conducted Emission Measurement.....	42
3.6 Antenna Requirements.....	44
<b>4 List of Measuring Equipment.....</b>	<b>45</b>
<b>5 Measurement Uncertainty .....</b>	<b>48</b>
<b>Appendix A. Conducted Test Results</b>	
<b>Appendix B. AC Conducted Emission Test Result</b>	
<b>Appendix C. Radiated Spurious Emission</b>	
<b>Appendix D. Radiated Spurious Emission Plots</b>	
<b>Appendix E. Duty Cycle Plots</b>	
<b>Appendix F. Setup Photographs</b>	





## 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	1.17 dB under the limit at 5468.490 MHz
3.5	15.207	AC Conducted Emission	Pass	5.29 dB under the limit at 13.560 MHz
3.6	15.203	Antenna Requirement	Pass	-

**Conformity Assessment Condition:**

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

**Disclaimer:**

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

**Reviewed by: Keven Cheng**  
**Report Producer: Doris Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Rugged 2 in 1 Android Tablet
Brand Name	Zebra
Model Name	ET60AW
FCC ID	UZ7ET60AW
Sample 1	Standard sku
Sample 2	FRZ sku
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV2.1
SW Version	A13
FW Version	1.1.2.0.645.4
MFD	27MAR23
EUT Stage	Identical Prototype

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

Specification of Accessories				
Adapter	Brand Name	Zebra	Part Number	PWR-BGA15V45W-UC2-WW
Battery 1	Brand Name	Zebra	Part Number	BT-000471-0020
Battery 2	Brand Name	Zebra	Part Number	BT-000471-0820

Supported Unit Used in Test Configuration and System				
USB TYPE C to 3.5mm audio connector	Brand Name	Zebra	Part Number	ADP-USBC-35MM1-01
3.5mm Earphone	Brand Name	Zebra	Part Number	HDST-35MM-PTVP-01
USB TYPE C Earphone	Brand Name	Zebra	Part Number	HPST-USBC-PTT1-01
Headset Jumper	Brand Name	Zebra	Part Number	CBL-TC51-HDST35-01

### 1.1.1 Antenna Directional Gain

**<For CDD Mode>**

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

$N_{ANT}$  = the total number of antennas

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

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

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

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



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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 7	Ant 8	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
<b>Band I</b>	3.47	0.99	3.47	5.33	0.00	0.00
<b>Band II</b>	3.10	0.26	3.10	4.81	0.00	0.00
<b>Band III</b>	3.29	1.80	3.29	5.59	0.00	0.00

Calculation example:

If a device has two antenna,  $G_{ANT1}= 3.47\text{dBi}$ ;  $G_{ANT2}=0.99\text{dBi}$

Directional gain of power measurement =  $\max(3.47, 0.99) + 0 = 3.47 \text{ dBi}$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[ 10^{(3.47 \text{ dBi} / 20)} + 10^{(0.99 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

= 5.33 dBi

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



### 1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
<b>Tx/Rx Frequency Range</b>	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
<b>Maximum Output Power to Antenna</b>	<p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>  <b>MIMO &lt;Ant. 7+8&gt;</b>  802.11a: 20.07 dBm / 0.1016 W  802.11n HT20: 19.86 dBm / 0.0968 W  802.11n HT40: 20.01 dBm / 0.1002 W  802.11ac VHT20: 19.96 dBm / 0.0991 W  802.11ac VHT40: 20.11 dBm / 0.1026 W  802.11ac VHT80: 17.46 dBm / 0.0557 W  802.11ac VHT160: 16.66 dBm / 0.463 W  802.11ax HE20: 20.06 dBm / 0.1014 W  802.11ax HE40: 20.21 dBm / 0.1050 W  802.11ax HE80: 17.56 dBm / 0.0570 W  802.11ax HE160: 17.26 dBm / 0.0532 W</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b>  <b>MIMO &lt;Ant. 7+8&gt;</b>  802.11a: 20.07 dBm / 0.1016 W  802.11n HT20: 18.87 dBm / 0.0771 W  802.11n HT40: 19.47 dBm / 0.0885 W  802.11ac VHT20: 18.97 dBm / 0.0789 W  802.11ac VHT40: 19.57 dBm / 0.0906 W  802.11ac VHT80: 18.02 dBm / 0.0634 W  802.11ax HE20: 19.07 dBm / 0.0807 W  802.11ax HE40: 19.67 dBm / 0.0927 W  802.11ax HE80: 18.12 dBm / 0.0649 W  802.11ax HE160: 14.26 dBm / 0.0267 W</p> <p><b>&lt;5500 MHz ~ 5720 MHz&gt;</b>  <b>MIMO &lt;Ant. 7+8&gt;</b>  802.11a: 20.36 dBm / 0.1086W  802.11n HT20: 20.21 dBm / 0.1050 W  802.11n HT40: 20.32 dBm / 0.1076 W  802.11ac VHT20: 20.31 dBm / 0.1074 W  802.11ac VHT40: 20.42 dBm / 0.1102 W  802.11ac VHT80: 20.21 dBm / 0.1050 W  802.11ac VHT160: 17.81 dBm / 0.0604 W  802.11ax HE20: 20.41 dBm / 0.1099 W  802.11ax HE40: 20.31 dBm / 0.1074 W  802.11ax HE80: 20.31 dBm / 0.1074 W  802.11ax HE160: 17.91 dBm / 0.0618 W</p>





Product Specification is subject to this standard							
99% Occupied Bandwidth	<b>MIMO &lt;Ant. 7&gt;</b> 802.11a: 16.98 MHz 802.11ax HE20: 19.08 MHz 802.11ax HE40: 38.16 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.56MHz <b>MIMO &lt;Ant. 8&gt;</b> 802.11a: 16.88 MHz 802.11ax HE20: 19.38 MHz 802.11ax HE40: 38.16 MHz 802.11ax HE80: 77.44 MHz 802.11ax HE160: 156.56MHz						
Antenna Type	<b>Ant. 7</b> : Monopole Antenna <b>Ant. 8</b> : Monopole Antenna						
Antenna Gain	<b>&lt;5180 MHz ~ 5240 MHz&gt;</b> Ant. 7 : 3.47 dBi Ant. 8 : 0.99 dBi						
	<b>&lt;5260 MHz ~ 5320 MHz&gt;</b> Ant. 7 : 3.10 dBi Ant. 8 : 0.26 dBi						
	<b>&lt;5500 MHz ~ 5720 MHz&gt;</b> Ant. 7 : 3.29 dBi Ant. 8 : 1.80 dBi						
Type of Modulation	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)						
Antenna Function Description	<table border="1"> <thead> <tr> <th></th> <th>Ant. 7</th> <th>Ant. 8</th> </tr> </thead> <tbody> <tr> <td>802.11 a/n/ac/ax MIMO</td> <td>V</td> <td>V</td> </tr> </tbody> </table>		Ant. 7	Ant. 8	802.11 a/n/ac/ax MIMO	V	V
	Ant. 7	Ant. 8					
802.11 a/n/ac/ax MIMO	V	V					

**Remark:**

1. MIMO Ant. 7+8 Directional Gain is a calculated result from MIMO Ant. 7 and MIMO Ant. 8. The formula used in calculation is documented in section 1.1.1.
2. Power of MIMO Ant. 7 + Ant. 8 is a calculated result from sum of the power MIMO Ant. 7 and MIMO Ant. 8.
3. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

### 1.3 Modification of EUT

No modifications made to the EUT during the testing.



### 1.4 Testing Location

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b> CO05-HY, 03CH07-HY(TAF Code: 1190)
<b>Remark</b>	The Conducted Emission and Radiated Emission for Band 1 test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH05-HY, 03CH15-HY

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

FCC designation No.: TW1190 and TW3786

### 1.5 Applicable Standards

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

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

**Remark:**

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



## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		
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
<b>Frequency Band</b>	<b>Channel</b>		<b>Freq. (MHz)</b>	
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 but does not support 2x996-tone RU on 160MHz channel.

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

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

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

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

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

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

### MIMO Mode

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



Test Cases	
<b>AC Conducted Emission</b>	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + NFC on + USB TYPE-A cable (Data Link with USB HD) (Copy data from USB HD to eMMC) + USB TYPE-A with Mouse + USB TYPE-C (Charging from AC Adapter + Battery 1 for Sample 1
<b>Remark:</b> For Radiated Test Cases, the tests were performed with Battery 1 and Sample 1.	

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

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

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



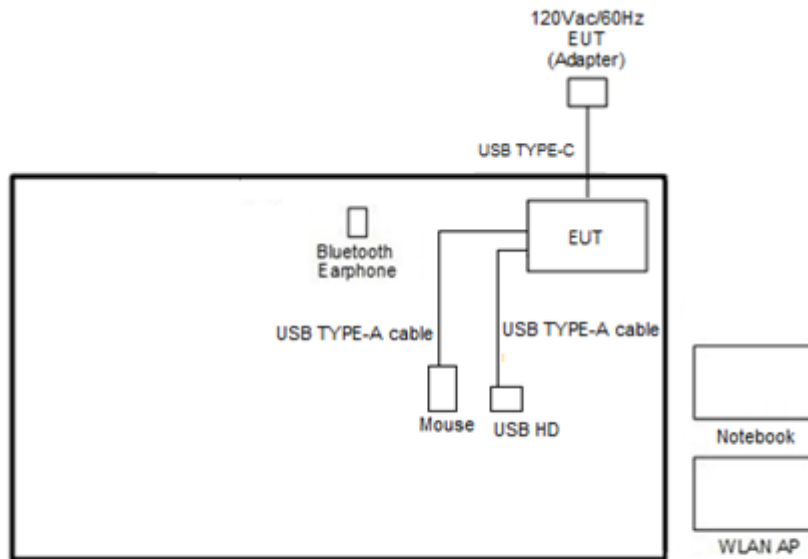
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

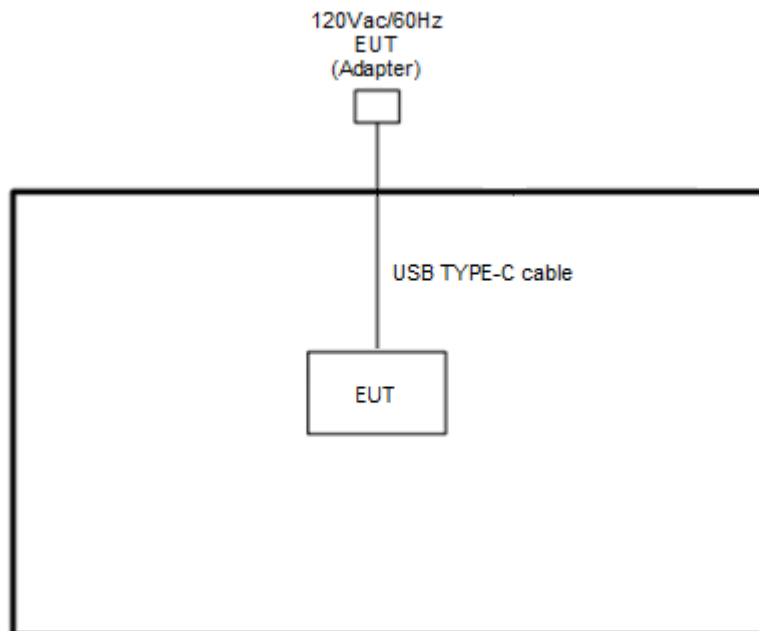
**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>







## 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	USB HD	ADATA	HV620S-1T	FCC DoC	Shielded, 1.0m	N/A
5.	Mouse	MSI	S12-0400C40-AA3	FCC DoC	Shielded, 2.0m	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
7.	USB TYPE-C cable	N/A	N/A	N/A	N/A	N/A
8.	USB TYPE-A cable	N/A	N/A	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.

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

### 3 Test Result

#### 3.1 26dB & 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

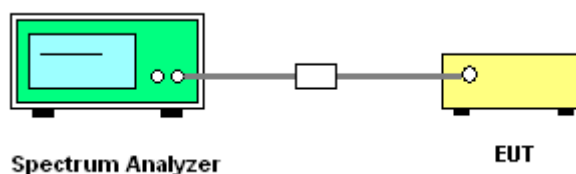
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

##### 3.1.4 Test Setup

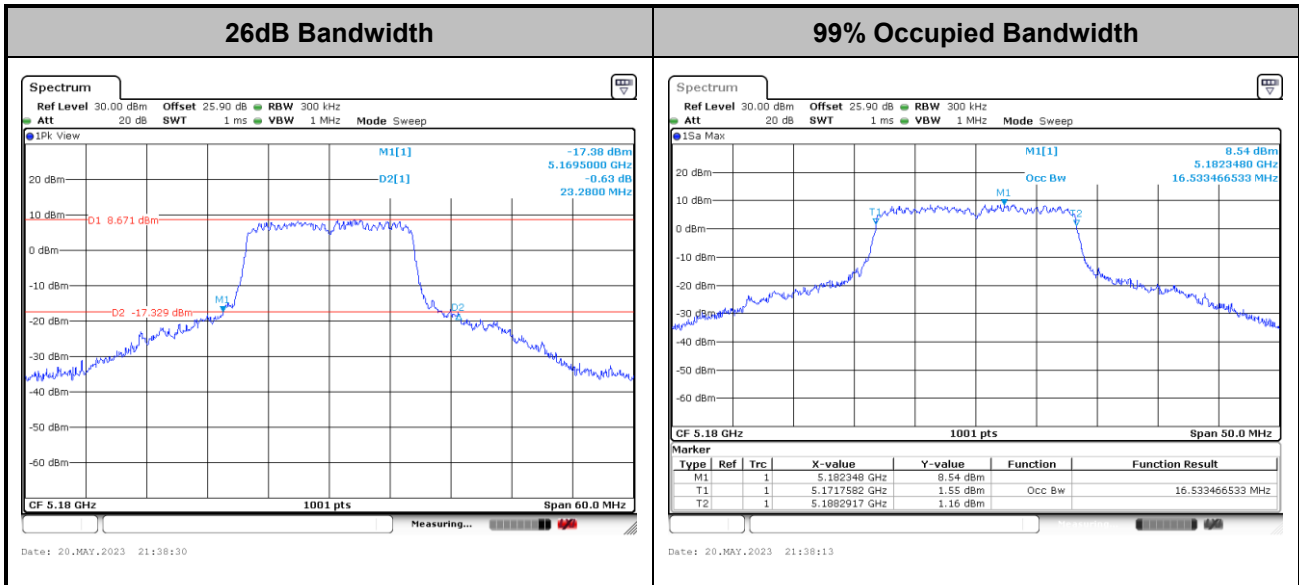


##### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

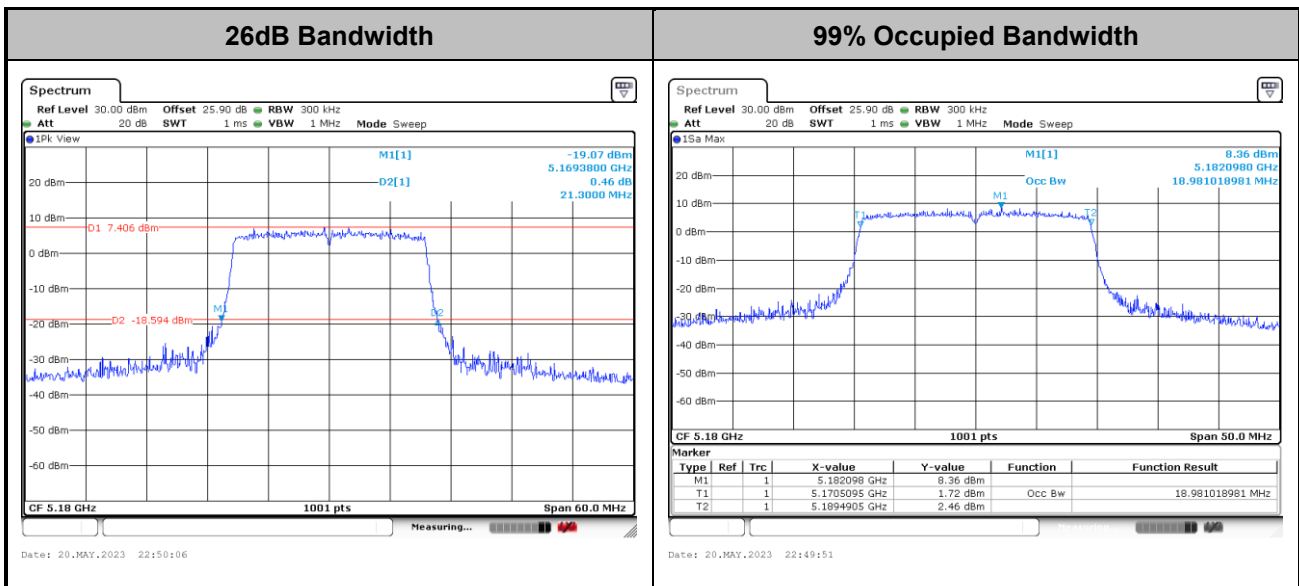


<802.11a>



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

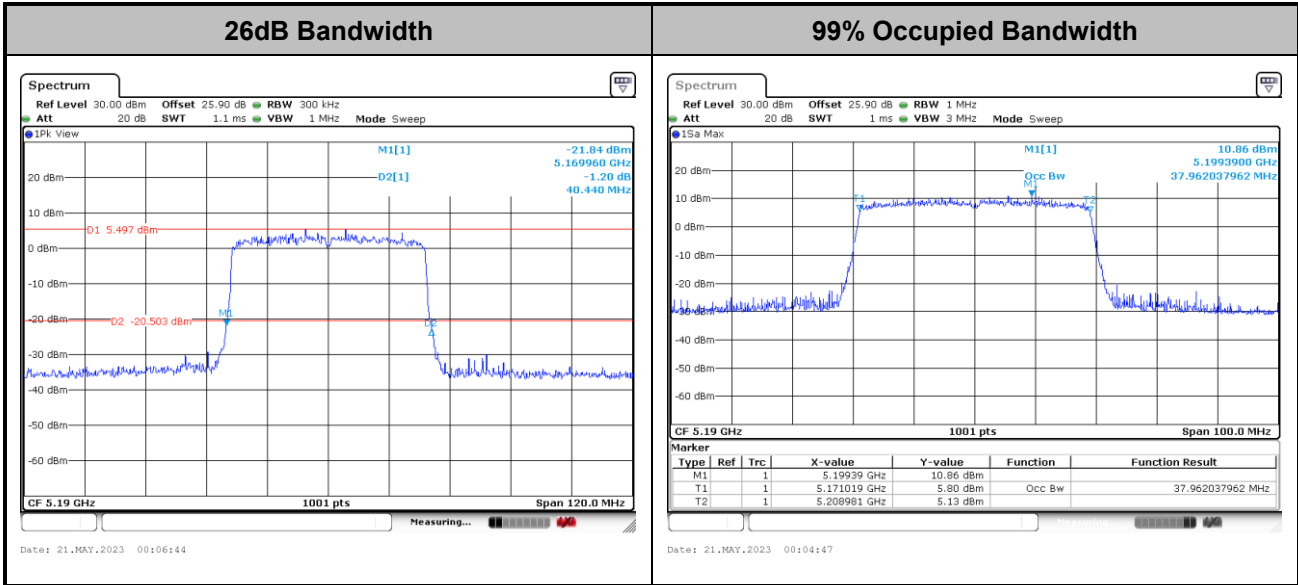
<802.11ax HE20>



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

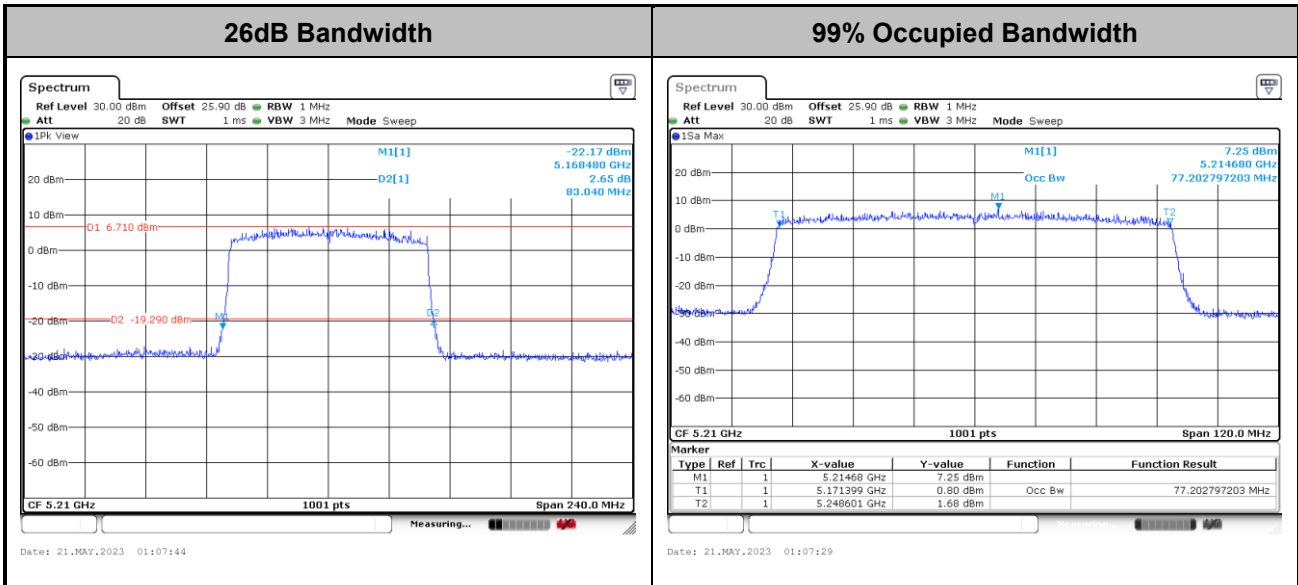


<802.11ax HE40>



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

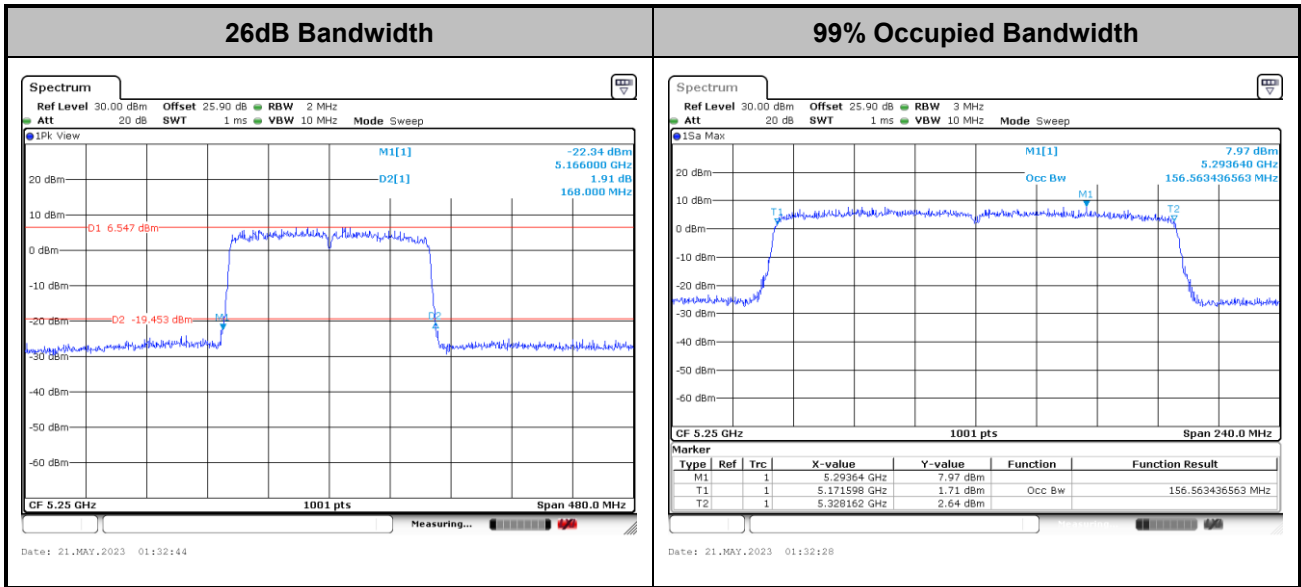
<802.11ax HE80>



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



<802.11ax HE160>



**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

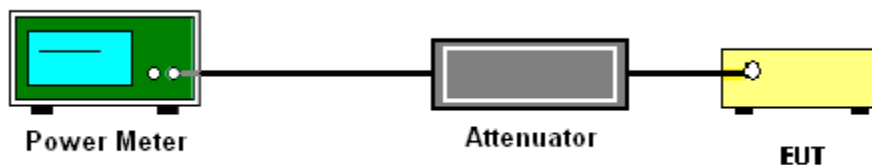
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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 #

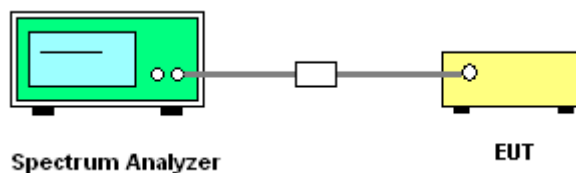
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

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

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

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

### 3.3.4 Test Setup

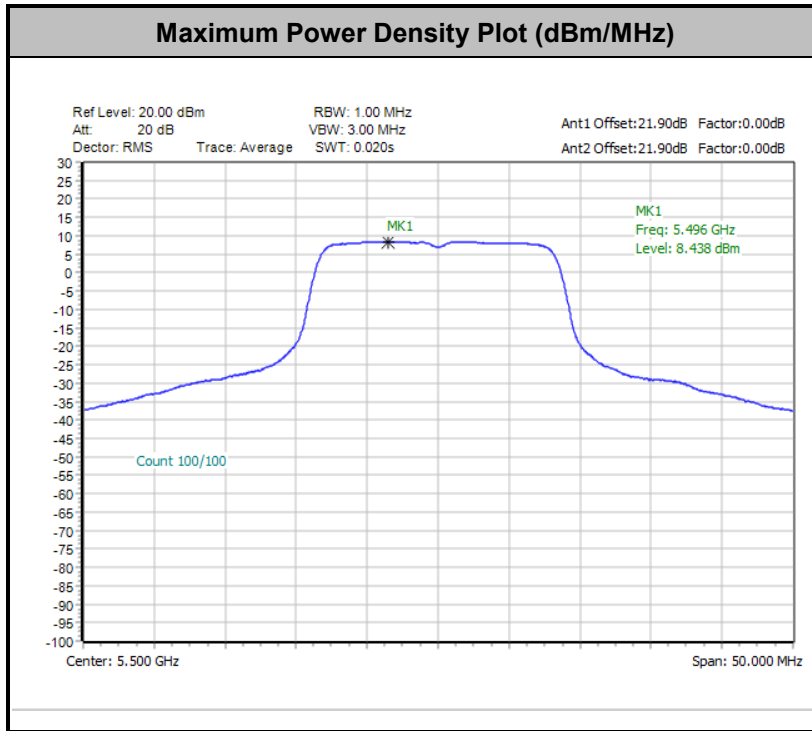


### 3.3.5 Test Result of Power Spectral Density

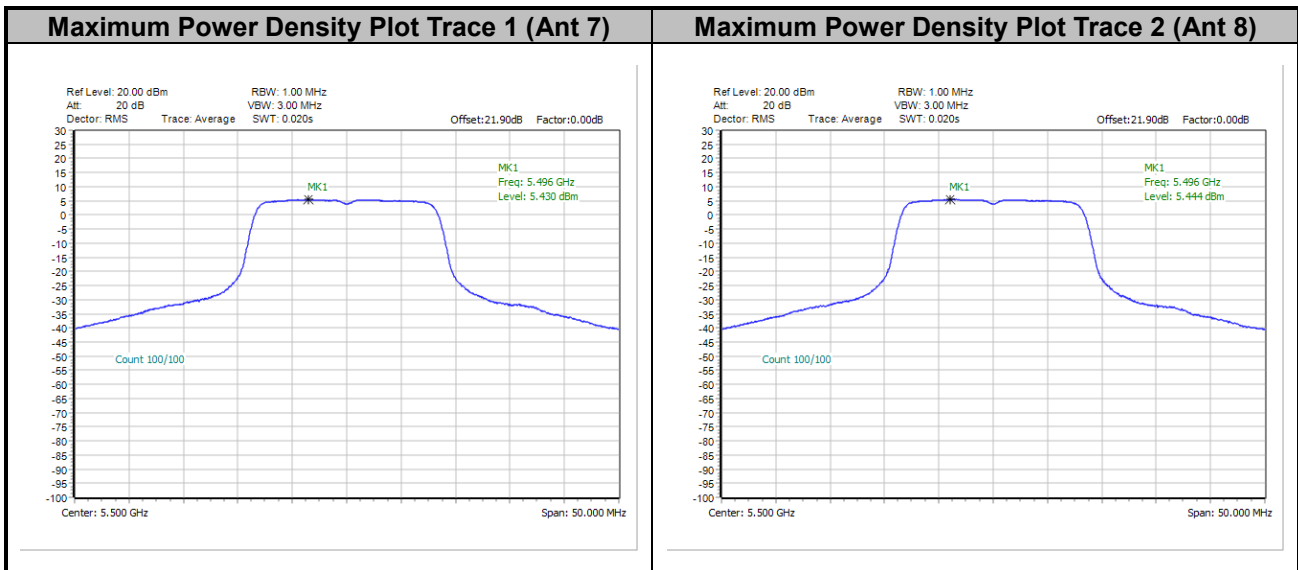
Please refer to Appendix A.



<802.11a>

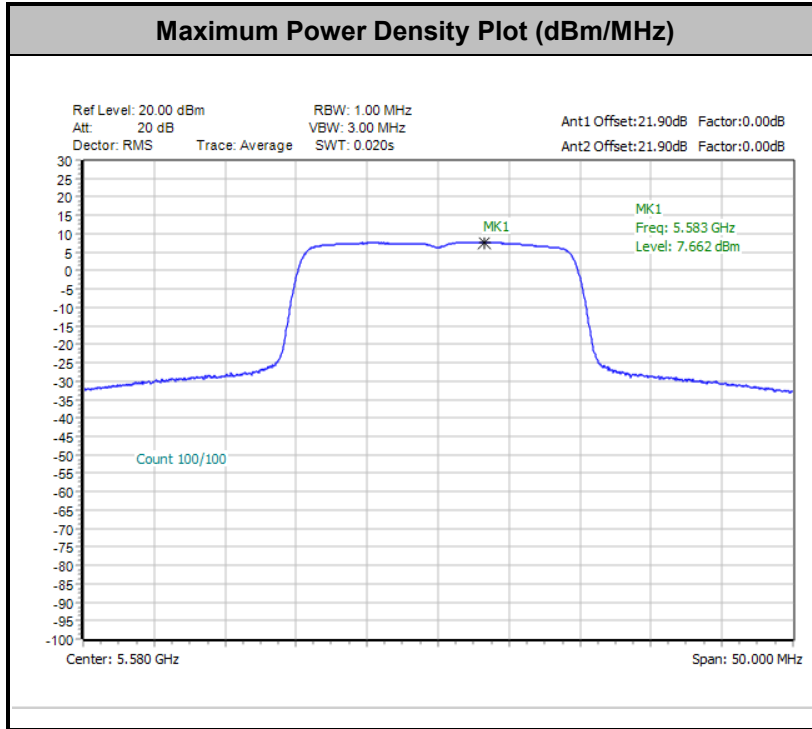


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

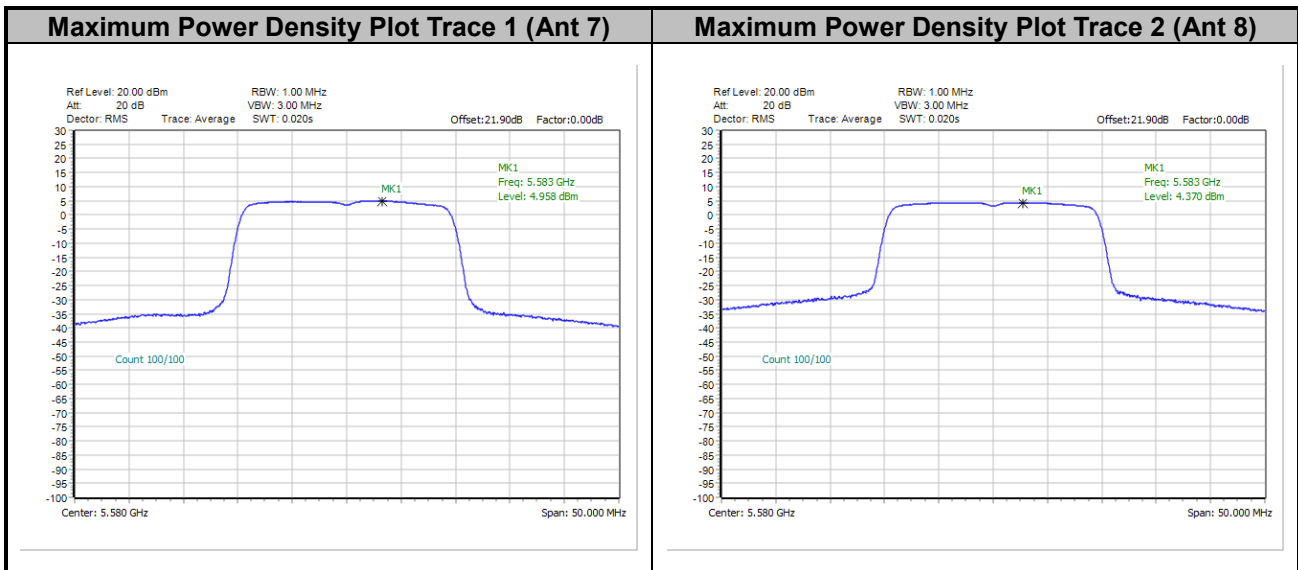




<802.11ax HE20>

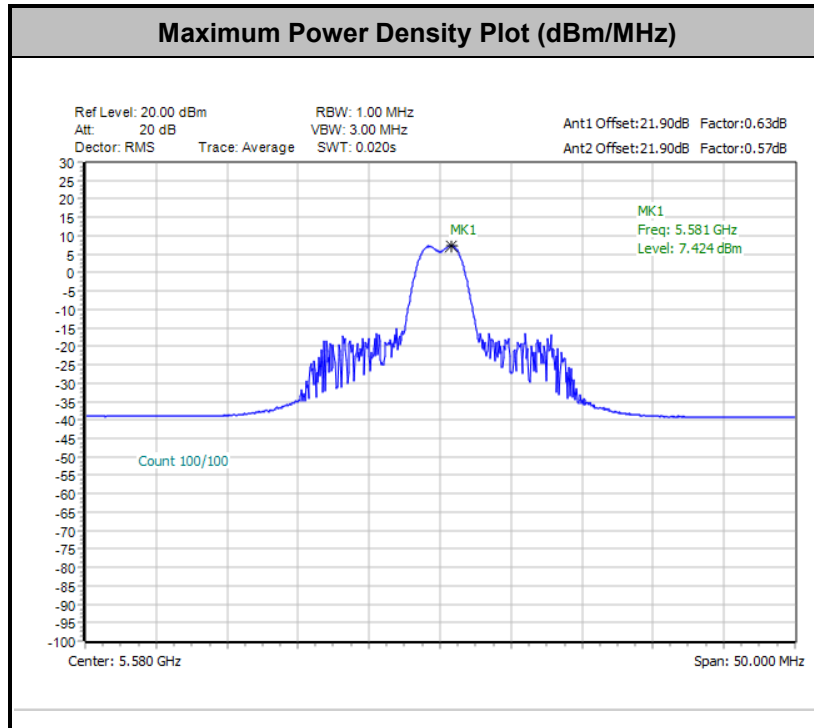


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

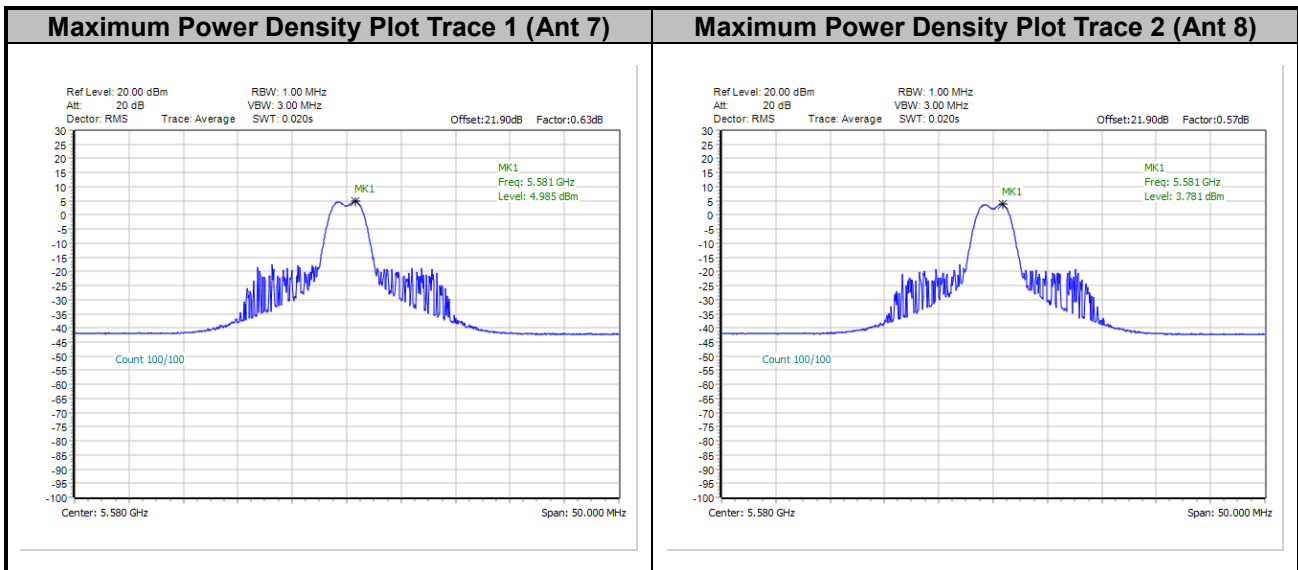




<802.11ax HE20 26RU>

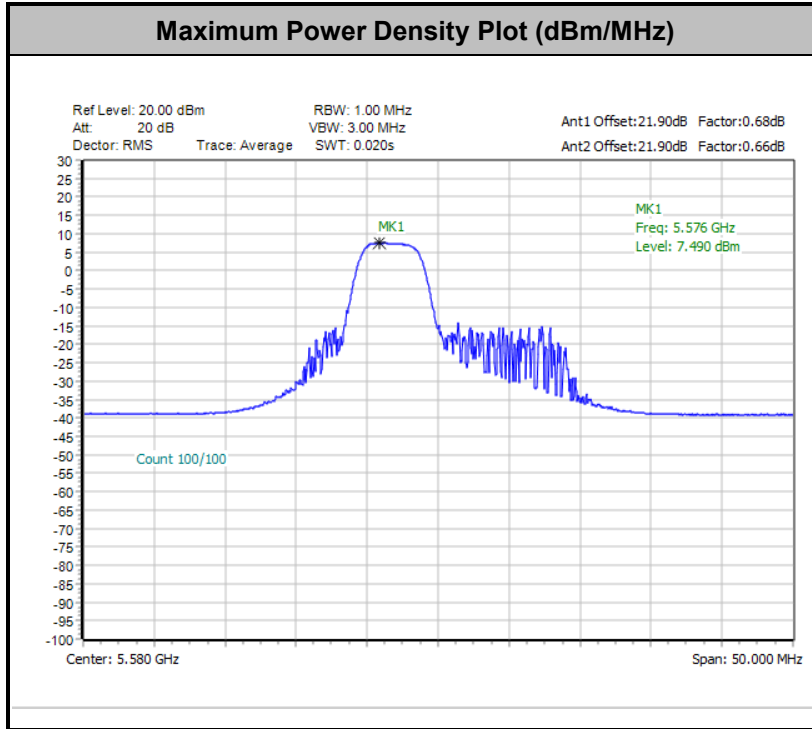


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

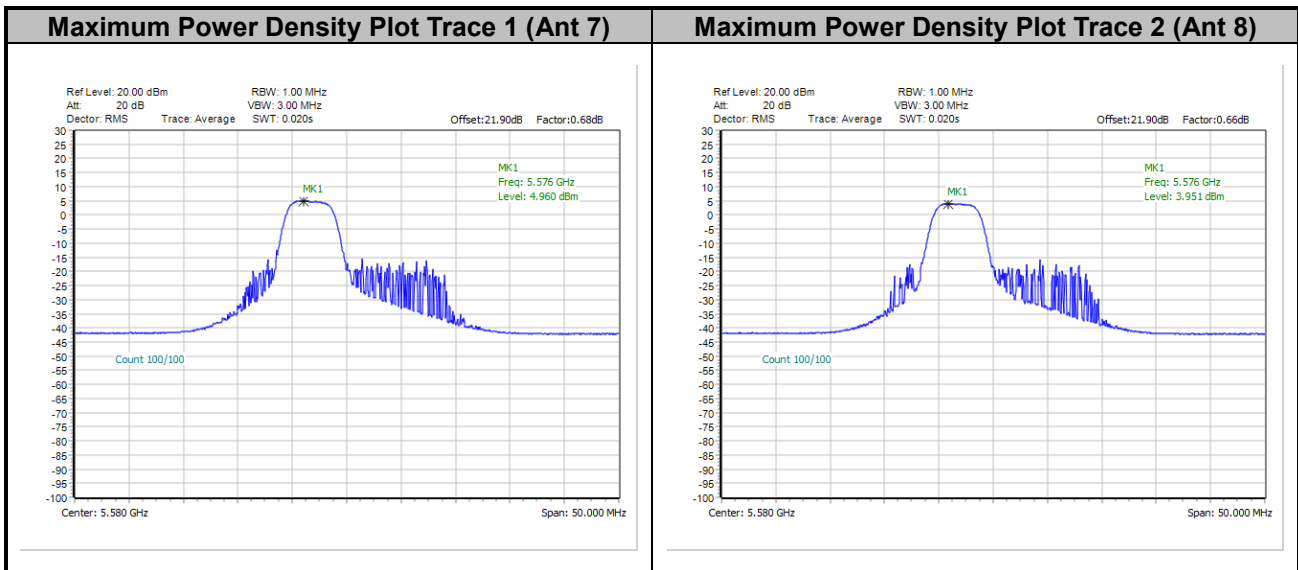




<802.11ax HE20 52RU>

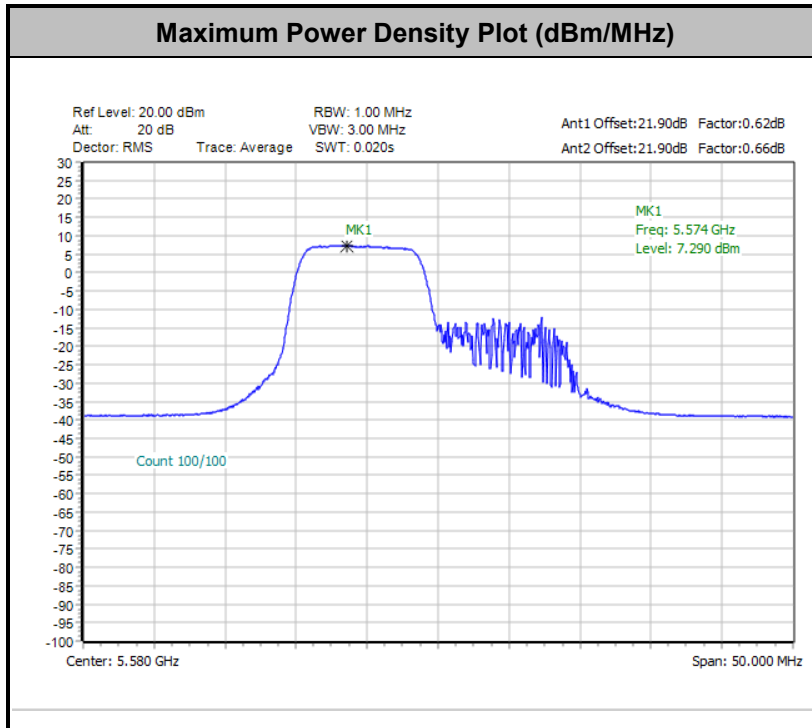


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

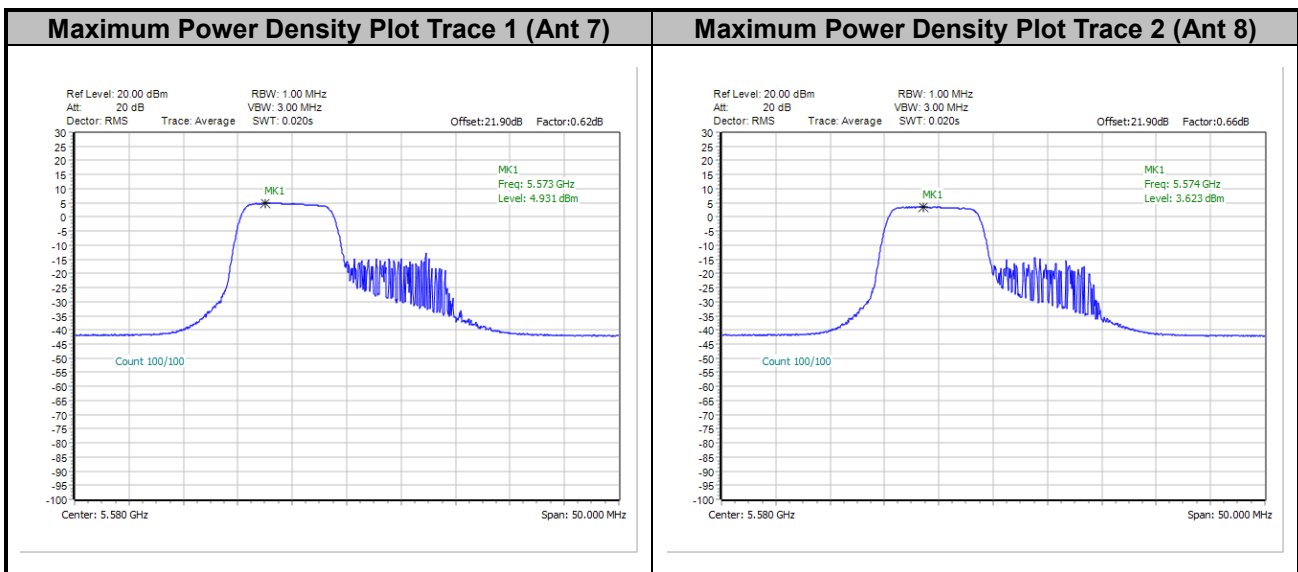




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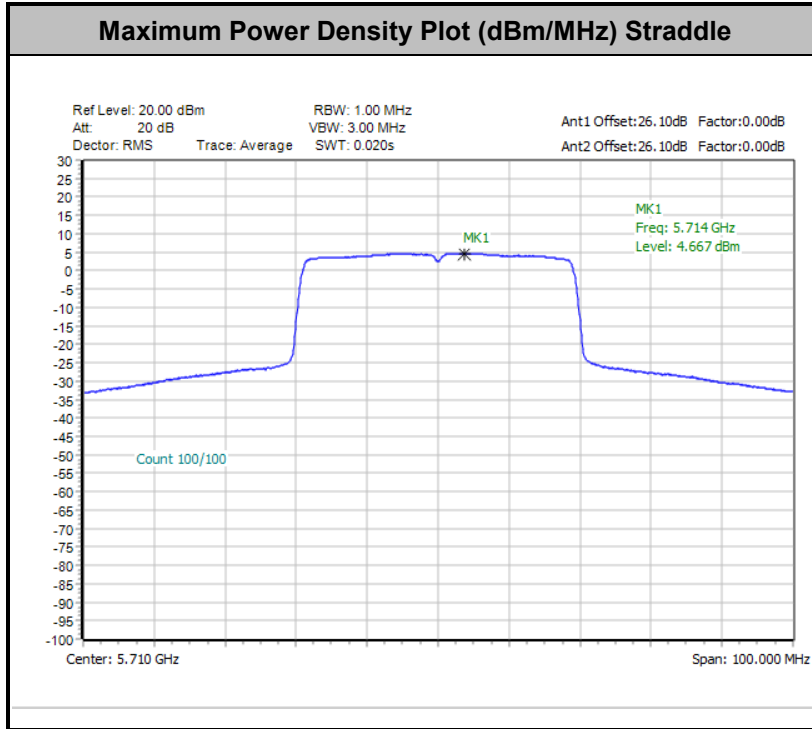


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

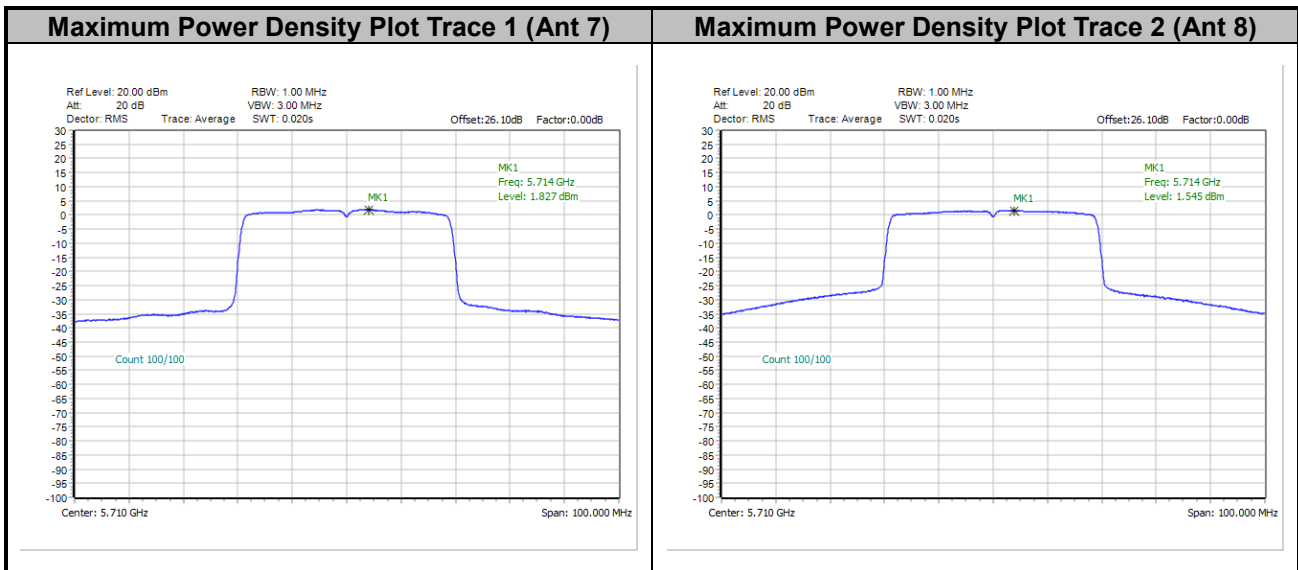




<802.11ax HE40>

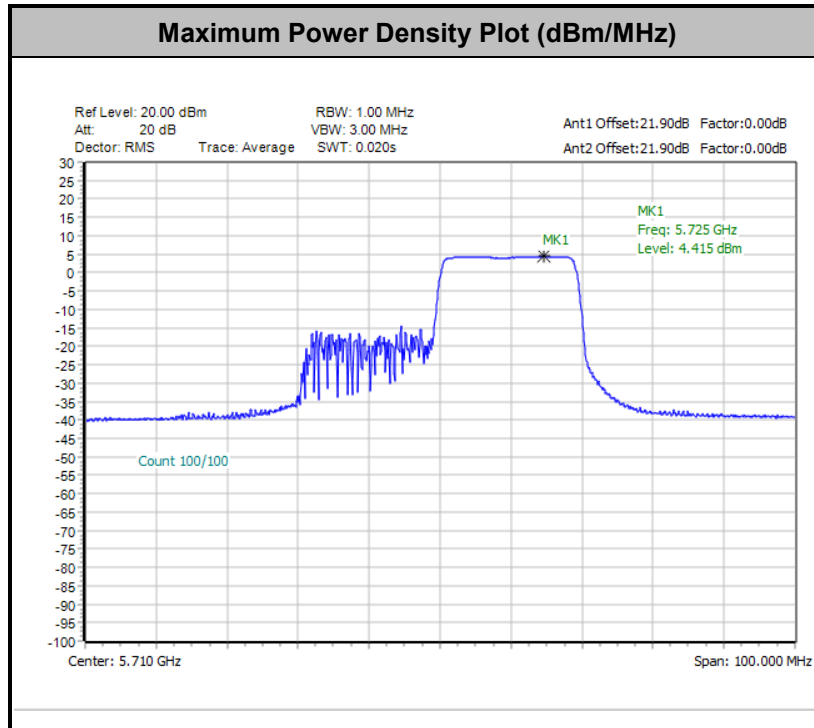


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

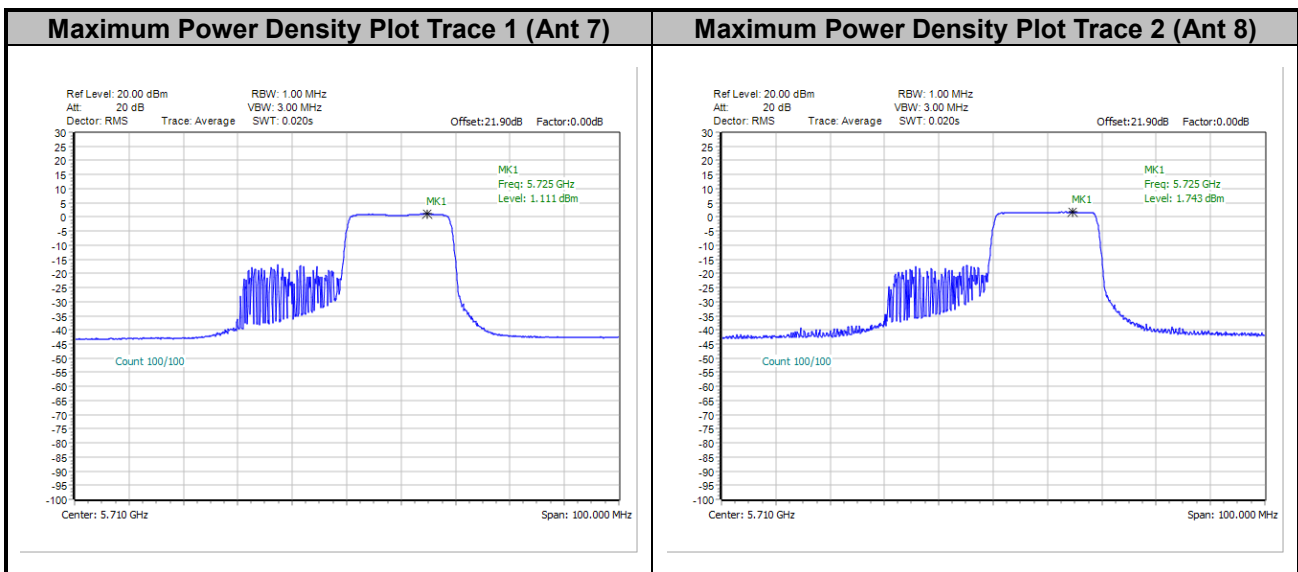




<802.11ax HE40 242RU>



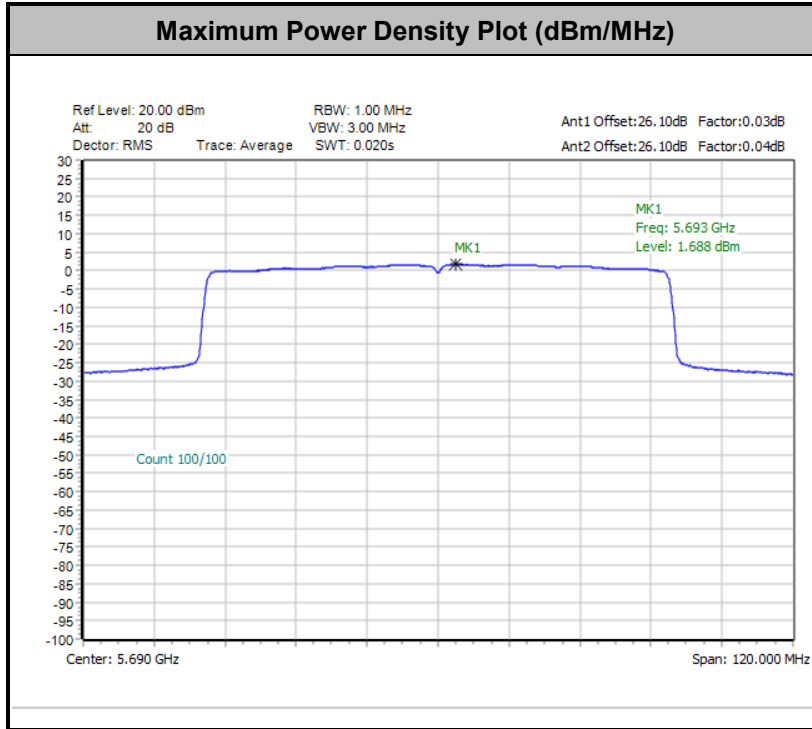
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



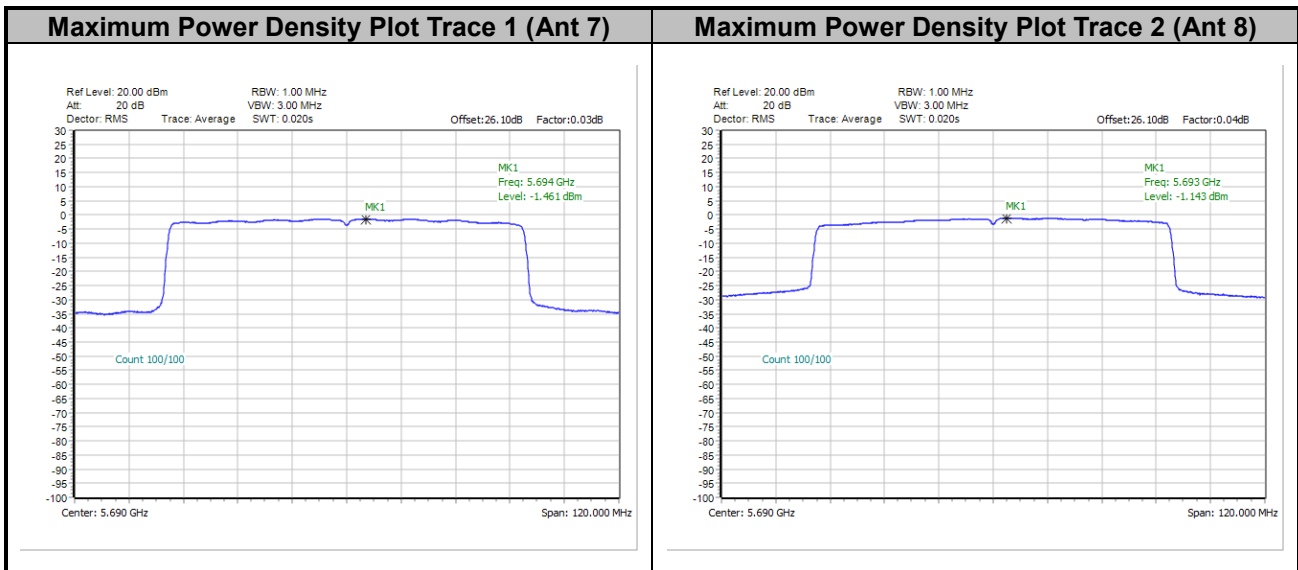




<802.11ax HE80>

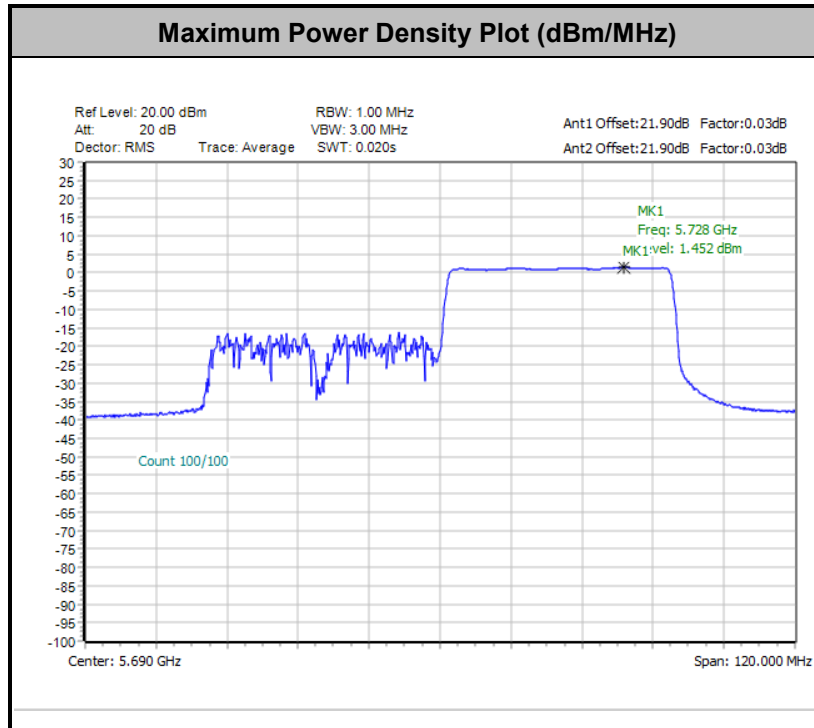


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

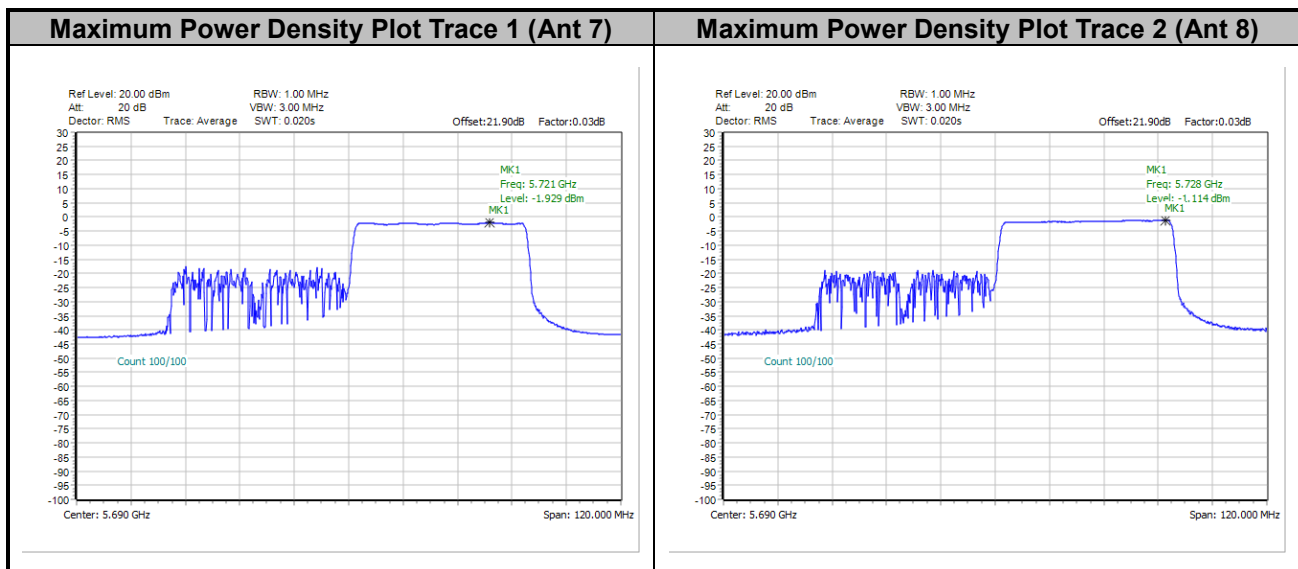




<802.11ax HE80 484RU>

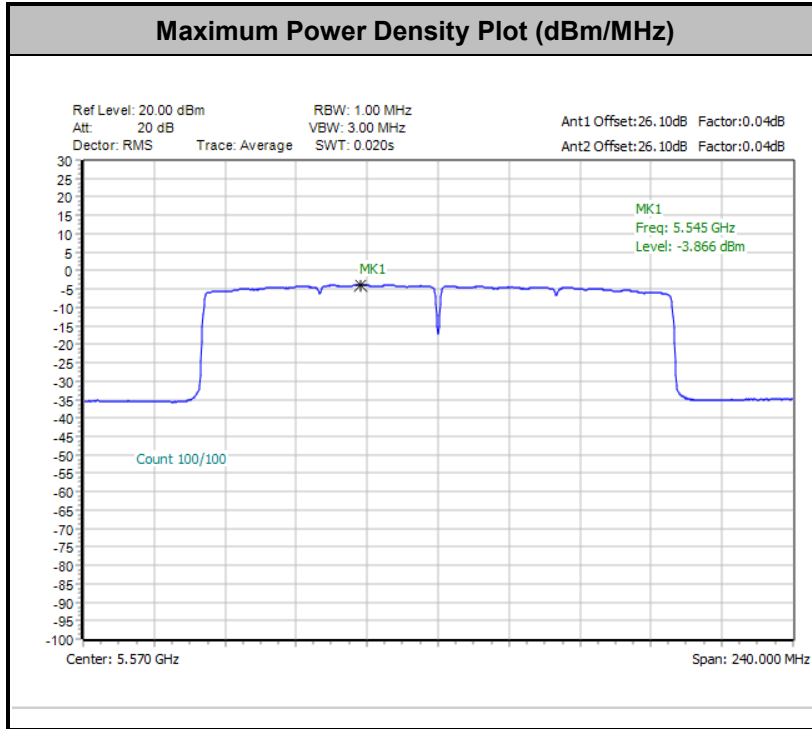


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

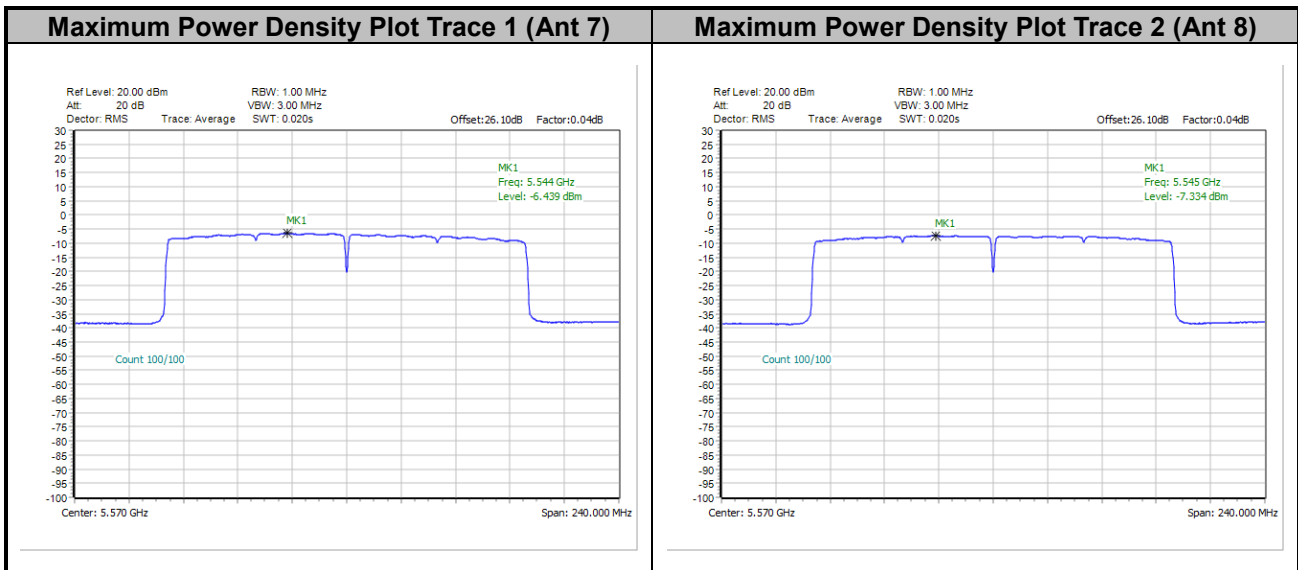




<802.11ax HE160>



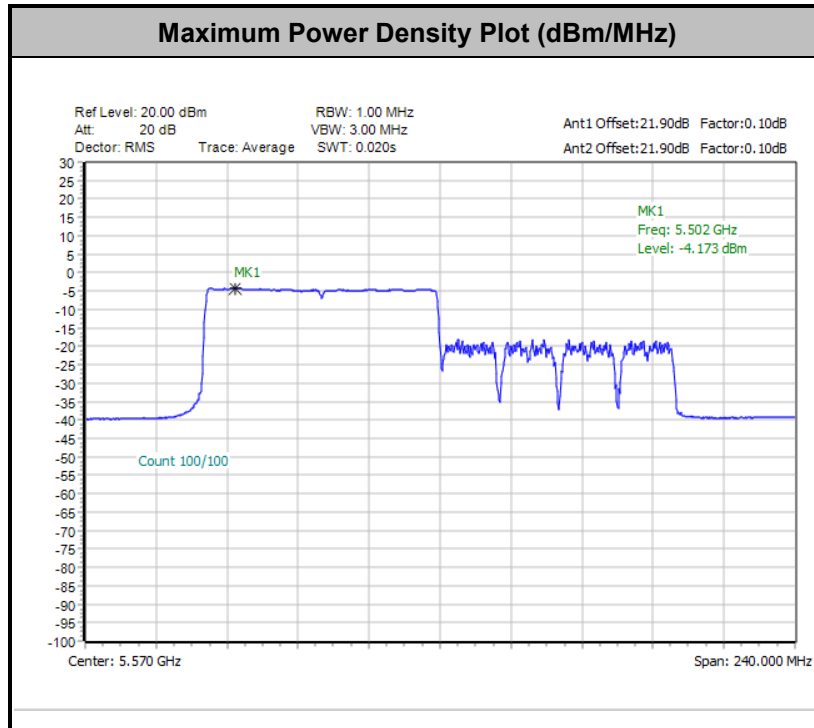
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



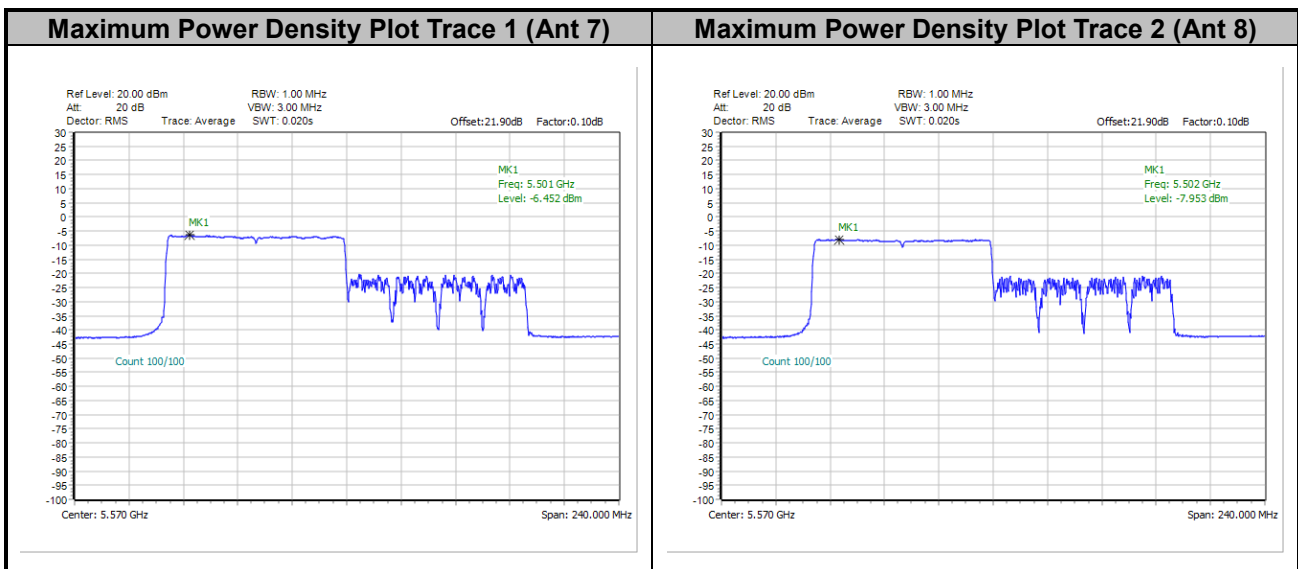
Note: Average Power Density (dB) = Measured value+ Duty Factor



<802.11ax HE160 996RU>



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



Note: Average Power Density (dB) = Measured value+ Duty Factor



### 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.

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



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

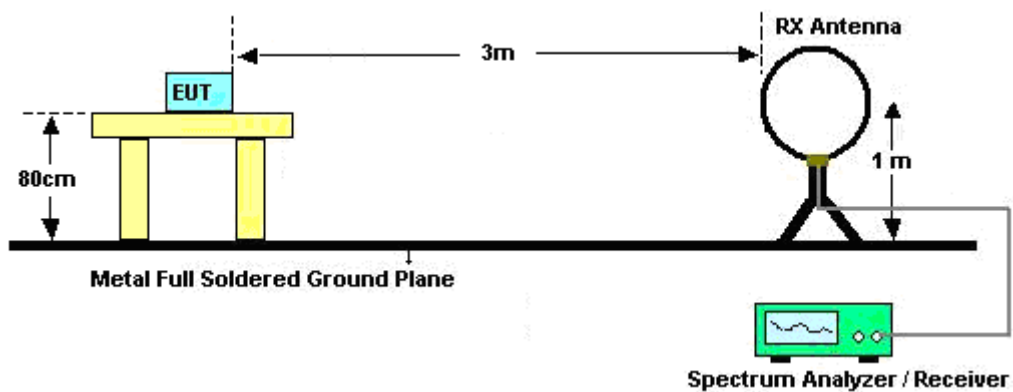
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

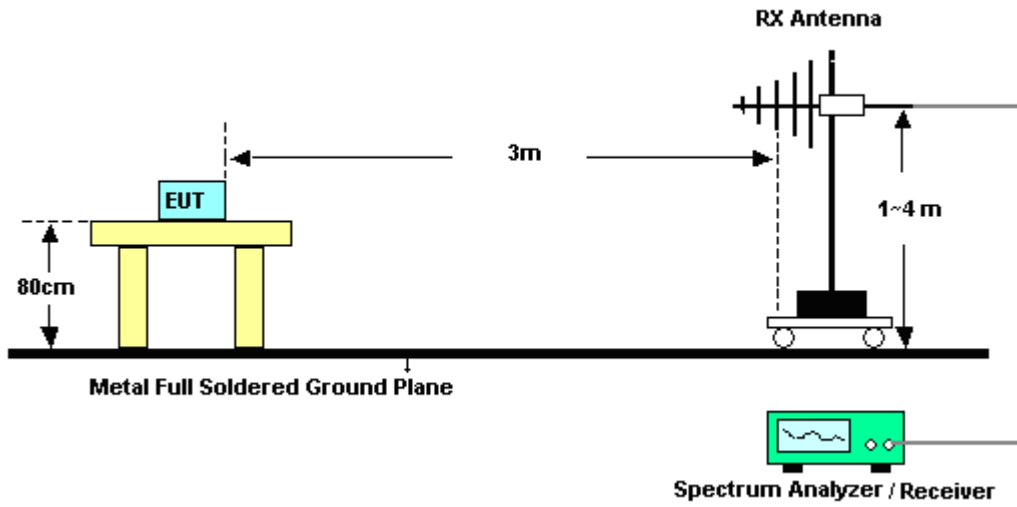
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

### 3.4.4 Test Setup

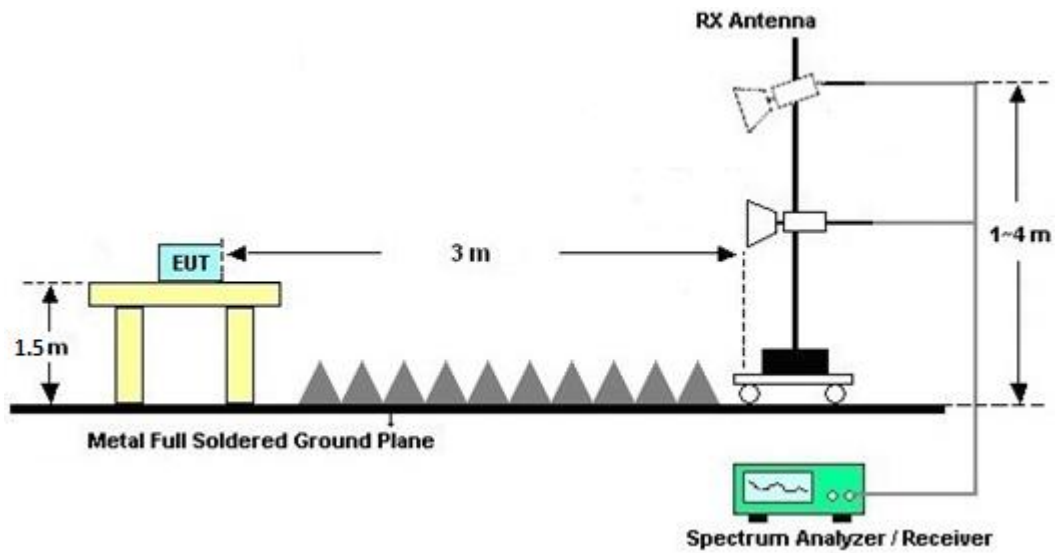
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz

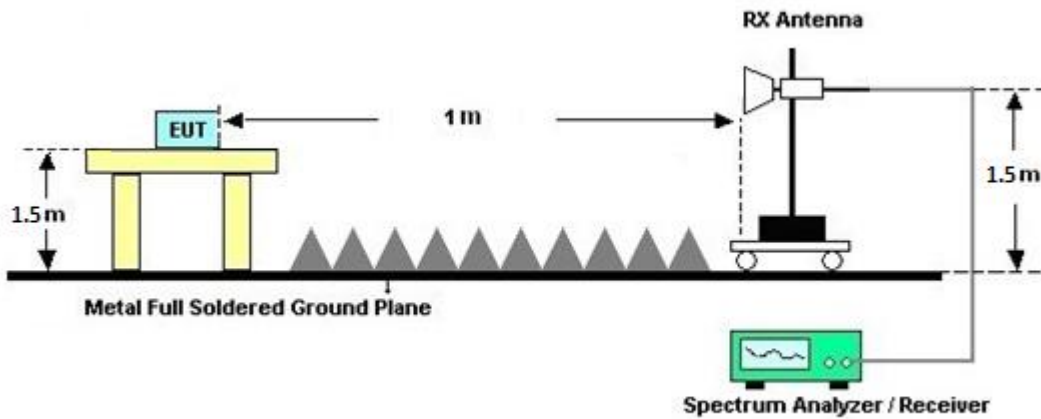


For radiated test from 1GHz to 18GHz





For radiated test above 18GHz



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

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

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

### 3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

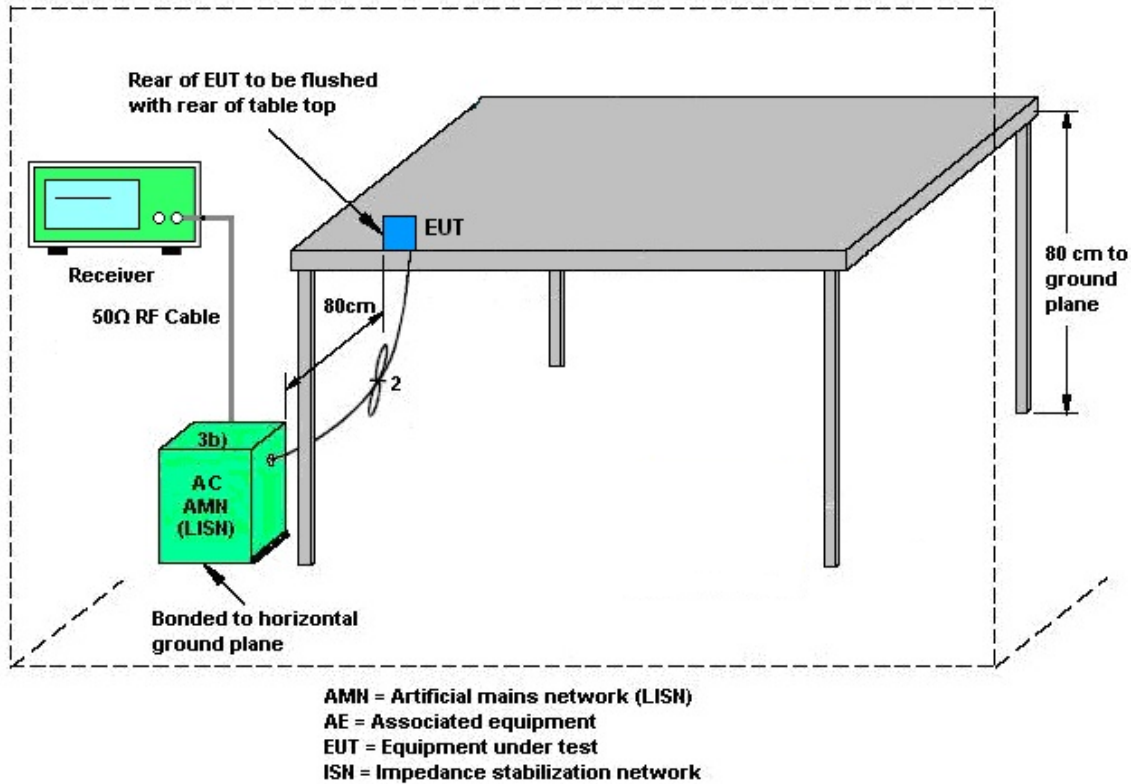
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Antenna Requirements**

### **3.6.1 Standard Applicable**

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

### **3.6.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	May 11, 2023~ May 22, 2023	Sep. 19, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	May 11, 2023~ May 22, 2023	Feb. 04, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	May 11, 2023~ May 22, 2023	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Nov. 24, 2022	May 11, 2023~ May 22, 2023	Nov. 23, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	May 11, 2023~ May 22, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-30 3	17100018000 55007	1GHz~18GHz	Jun. 15, 2022	May 11, 2023~ May 22, 2023	Jun. 14, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	May 11, 2023~ May 22, 2023	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	May 11, 2023~ May 22, 2023	Jun. 27, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	May 11, 2023~ May 22, 2023	Oct. 17, 2023	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 11, 2023	May 11, 2023~ May 22, 2023	Mar. 10, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 11, 2023~ May 22, 2023	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 11, 2023~ May 22, 2023	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5 )	RK-000451	N/A	N/A	May 11, 2023~ May 22, 2023	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, MY9838/4PE, 519228/2	30MHz~18G	Jun. 21, 2022	May 11, 2023~ May 22, 2023	Jun. 20, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz~40GHz	Jan. 03, 2023	May 11, 2023~ May 22, 2023	Jan. 02, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	May 11, 2023~ May 22, 2023	Mar. 06, 2024	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 23, 2023	May 15, 2023~ May 18, 2023	Apr. 22, 2024	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz~18GHz	Dec. 01, 2022	May 15, 2023~ May 18, 2023	Nov. 30, 2023	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 28, 2023	May 15, 2023~ May 18, 2023	Feb. 27, 2024	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 20, 2023	May 15, 2023~ May 18, 2023	Apr. 19, 2024	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	May 15, 2023~ May 18, 2023	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 24, 2023	May 15, 2023~ May 18, 2023	Mar. 23, 2024	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18 GHz -40GHz	Jul. 21, 2022	May 15, 2023~ May 18, 2023	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Keysight	Keysight	MY60241058	10Hz~44GHz	Jul. 07, 2022	May 15, 2023~ May 18, 2023	Jul. 06, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz~18GHz	Feb. 22, 2023	May 15, 2023~ May 18, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz~18GHz	Feb. 22, 2023	May 15, 2023~ May 18, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz~18GHz	Feb. 22, 2023	May 15, 2023~ May 18, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 16, 2022	May 15, 2023~ May 18, 2023	Sep. 15, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 22, 2023	May 15, 2023~ May 18, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	May 15, 2023~ May 18, 2023	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	May 15, 2023~ May 18, 2023	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	May 15, 2023~ May 18, 2023	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May 15, 2023~ May 18, 2023	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	May 15, 2023~ May 18, 2023	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	May 15, 2023~ May 18, 2023	Mar. 13, 2024	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 13, 2023	May 15, 2023~ May 18, 2023	Feb. 12, 2024	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2022	May 15, 2023~ May 18, 2023	Nov. 23, 2023	Radiation (03CH07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 24, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Apr. 24, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Apr. 24, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Apr. 24, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 24, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Aug. 01, 2022	Apr. 24, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Apr. 24, 2023	Dec. 28, 2023	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Apr. 28, 2023~ Jun 01, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Apr. 28, 2023~ Jun 01, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz (amp)	Aug. 03, 2022	Apr. 28, 2023~ Jun 01, 2023	Aug. 02, 2023	Conducted (TH05-HY)



## 5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.5dB
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<03CH07-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.5 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB
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<03CH15-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.3 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2 dB
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### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.4 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2 dB
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## Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li and Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/04/28~ 20236/1	Relative Humidity:	51~54	%

**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-1 MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	36	5180	16.53	16.78	23.28	27.06	-	-	22.18	-	
11a	6Mbps	2	44	5220	16.98	16.58	33.30	24.60	-	-	22.20	-	
11a	6Mbps	2	48	5240	16.78	16.53	31.20	21.24	-	-	22.18	-	

**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-1 MIMO												
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	36	5180	16.90	17.20	20.06	24.00		3.47		Pass
11a	6Mbps	2	44	5220	16.80	17.30	20.07	24.00		3.47		Pass
11a	6Mbps	2	48	5240	16.60	17.20	19.92	24.00		3.47		Pass
HT20	MCS0	2	36	5180	16.80	16.70	19.76	24.00		3.47		Pass
HT20	MCS0	2	44	5220	16.70	17.00	19.86	24.00		3.47		Pass
HT20	MCS0	2	48	5240	16.50	17.00	19.77	24.00		3.47		Pass
HT40	MCS0	2	38	5190	15.50	15.20	18.36	24.00		3.47		Pass
HT40	MCS0	2	46	5230	16.80	17.20	20.01	24.00		3.47		Pass
VHT20	MCS0	2	36	5180	16.90	16.80	19.86	24.00		3.47		Pass
VHT20	MCS0	2	44	5220	16.80	17.10	19.96	24.00		3.47		Pass
VHT20	MCS0	2	48	5240	16.60	17.10	19.87	24.00		3.47		Pass
VHT40	MCS0	2	38	5190	15.60	15.30	18.46	24.00		3.47		Pass
VHT40	MCS0	2	46	5230	16.90	17.30	20.11	24.00		3.47		Pass
VHT80	MCS0	2	42	5210	14.40	14.50	17.46	24.00		3.47		Pass
VHT160	MCS0	2	50	5250	13.50	13.80	16.66	24.00		3.47		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

FCC U-NII-1 MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	36	5180	0.00	0.00	-	-	8.27	11.00	5.33	-	Pass	
11a	6Mbps	2	44	5220	0.00	0.00	-	-	7.88	11.00	5.33	-	Pass	
11a	6Mbps	2	48	5240	0.00	0.00	-	-	7.85	11.00	5.33	-	Pass	

**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-2A MIMO															
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	52	5260	16.63	16.63	23.58	23.46	23.21		29.21		23.98	-	
11a	6Mbps	2	60	5300	16.58	16.53	22.02	20.88	23.18		29.18		23.98		
11a	6Mbps	2	64	5320	16.53	16.43	21.66	20.04	23.16		29.16		23.98		

**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-2A MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
11a	6Mbps	2	52	5260	17.10	16.60	19.87	23.98		3.10	30	Pass	
11a	6Mbps	2	60	5300	17.40	16.70	20.07	23.98		3.10	30	Pass	
11a	6Mbps	2	64	5320	16.80	17.10	19.96	23.98		3.10	30	Pass	
HT20	MCS0	2	52	5260	16.10	15.50	18.82	23.98		3.10	30	Pass	
HT20	MCS0	2	60	5300	16.20	15.50	18.87	23.98		3.10	30	Pass	
HT20	MCS0	2	64	5320	15.70	16.00	18.86	23.98		3.10	30	Pass	
HT40	MCS0	2	54	5270	16.70	16.20	19.47	23.98		3.10	30	Pass	
HT40	MCS0	2	62	5310	15.60	15.70	18.66	23.98		3.10	30	Pass	
VHT20	MCS0	2	52	5260	16.20	15.60	18.92	23.98		3.10	30	Pass	
VHT20	MCS0	2	60	5300	16.30	15.60	18.97	23.98		3.10	30	Pass	
VHT20	MCS0	2	64	5320	15.80	16.10	18.96	23.98		3.10	30	Pass	
VHT40	MCS0	2	54	5270	16.80	16.30	19.57	23.98		3.10	30	Pass	
VHT40	MCS0	2	62	5310	15.70	15.80	18.76	23.98		3.10	30	Pass	
VHT80	MCS0	2	58	5290	15.30	14.70	18.02	23.98		3.10	30	Pass	

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-2A MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	52	5260	0.03	0.03	-			7.74	11.00	4.81		Pass
11a	6Mbps	2	60	5300	0.03	0.03				7.92	11.00	4.81		Pass
11a	6Mbps	2	64	5320	0.03	0.03				8.01	11.00	4.81		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-2C MIMO																
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8
11a	6Mbps	2	100	5500	16.63	16.78	22.74	31.56	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.68	16.88	25.50	33.00	23.22		29.22		23.98		----	----
11a	6Mbps	2	140	5700	16.53	16.63	20.88	25.08	23.18		29.18		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8
11a	6Mbps	2	144	5720	13.34	13.39	15.38	21.32	22.25		28.25		22.87		3.25	3.25



**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-2C MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
11a	6Mbps	2	100	5500	17.40	17.30	20.36	23.98		3.29		30	Pass
11a	6Mbps	2	116	5580	17.40	16.70	20.07	23.98		3.29		30	Pass
11a	6Mbps	2	140	5700	16.90	16.30	19.62	23.98		3.29		30	Pass
HT20	MCS0	2	100	5500	17.20	17.20	20.21	23.98		3.29		30	Pass
HT20	MCS0	2	116	5580	17.20	16.70	19.97	23.98		3.29		30	Pass
HT20	MCS0	2	140	5700	14.10	14.30	17.21	23.98		3.29		30	Pass
HT40	MCS0	2	102	5510	15.80	16.00	18.91	23.98		3.29		30	Pass
HT40	MCS0	2	110	5550	17.00	16.10	19.58	23.98		3.29		30	Pass
HT40	MCS0	2	134	5670	16.30	16.40	19.36	23.98		3.29		30	Pass
VHT20	MCS0	2	100	5500	17.30	17.30	20.31	23.98		3.29		30	Pass
VHT20	MCS0	2	116	5580	17.30	16.80	20.07	23.98		3.29		30	Pass
VHT20	MCS0	2	140	5700	14.20	14.40	17.31	23.98		3.29		30	Pass
VHT40	MCS0	2	102	5510	15.90	16.10	19.01	23.98		3.29		30	Pass
VHT40	MCS0	2	110	5550	17.10	16.20	19.68	23.98		3.29		30	Pass
VHT40	MCS0	2	134	5670	16.40	16.50	19.46	23.98		3.29		30	Pass
VHT80	MCS0	2	106	5530	15.40	15.60	18.51	23.98		3.29		30	Pass
VHT80	MCS0	2	122	5610	17.20	16.70	19.97	23.98		3.29		30	Pass
VHT160	MCS0	2	114	5570	15.00	14.60	17.81	23.98		3.29		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
11a	6Mbps	2	144	5720	17.10	16.30	19.73	22.87		3.29		30	Pass
HT20	MCS0	2	144	5720	16.00	15.30	18.67	23.98		3.29		30	Pass
HT40	MCS0	2	142	5710	17.60	17.00	20.32	23.98		3.29		30	Pass
VHT20	MCS0	2	144	5720	16.10	15.40	18.77	23.98		3.29		30	Pass
VHT40	MCS0	2	142	5710	17.70	17.10	20.42	23.98		3.29		30	Pass
VHT80	MCS0	2	138	5690	17.30	17.10	20.21	23.98		3.29		30	Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-2C MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	100	5500	0.00	0.00	-	-	8.44	11.00	5.59	-	Pass	
11a	6Mbps	2	116	5580	0.00	0.00	-	-	8.10	11.00	5.59	-	Pass	
11a	6Mbps	2	140	5700	0.00	0.00	-	-	7.40	11.00	5.59	-	Pass	

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	144	5720	0.00	0.00	-	-	7.62	11.00	5.59	-	Pass	

**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-1 MIMO														
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	36	5180	Full	18.98	18.93	21.30	21.54	-	-	22.77	-	-
HE20	MCS0	2	44	5220	Full	19.08	18.98	23.76	22.86	-	-	22.78	-	-
HE20	MCS0	2	48	5240	Full	18.98	18.98	27.60	22.44	-	-	22.78	-	-
HE40	MCS0	2	38	5190	Full	37.96	37.86	40.44	40.44	-	-	23.01	-	-
HE40	MCS0	2	46	5230	Full	38.16	37.96	40.44	40.56	-	-	23.01	-	-
HE80	MCS0	2	42	5210	Full	77.20	77.20	83.04	83.04	-	-	23.01	-	-
HE160	MCS0	2	50	5250	Full	156.56	156.56	168.00	166.56	-	-	23.01	-	-

**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-1 MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	36	5180	Full	17.00	16.90	19.96	24.00		3.47	Pass	
HE20	MCS0	2	36	5180	26/0	7.10	6.50	9.82	24.00		3.47	Pass	
HE20	MCS0	2	36	5180	52/37	9.90	9.50	12.71	24.00		3.47	Pass	
HE20	MCS0	2	36	5180	106/53	13.20	12.70	15.97	24.00		3.47	Pass	
HE20	MCS0	2	44	5220	Full	16.90	17.20	20.06	24.00		3.47	Pass	
HE20	MCS0	2	44	5220	26/4	8.80	8.40	11.61	24.00		3.47	Pass	
HE20	MCS0	2	44	5220	52/38	10.20	10.00	13.11	24.00		3.47	Pass	
HE20	MCS0	2	44	5220	106/53	13.50	13.30	16.41	24.00		3.47	Pass	
HE20	MCS0	2	48	5240	Full	16.70	17.20	19.97	24.00		3.47	Pass	
HE20	MCS0	2	48	5240	26/8	5.80	6.80	9.34	24.00		3.47	Pass	
HE20	MCS0	2	48	5240	52/40	9.60	10.20	12.92	24.00		3.47	Pass	
HE20	MCS0	2	48	5240	106/54	12.90	13.50	16.22	24.00		3.47	Pass	
HE40	MCS0	2	38	5190	Full	15.70	15.40	18.56	24.00		3.47	Pass	
HE40	MCS0	2	38	5190	242/61	12.40	12.10	15.26	24.00		3.47	Pass	
HE40	MCS0	2	46	5230	Full	17.00	17.40	20.21	24.00		3.47	Pass	
HE40	MCS0	2	46	5230	242/62	13.70	14.10	16.91	24.00		3.47	Pass	
HE80	MCS0	2	42	5210	Full	14.50	14.60	17.56	24.00		3.47	Pass	
HE80	MCS0	2	42	5210	484/65	12.20	11.90	15.06	24.00		3.47	Pass	
HE160	MCS0	2	50	5250	Full	14.10	14.40	17.26	24.00		3.47	Pass	
HE160	MCS0	2	50	5250	996/67	11.90	11.70	14.81	24.00		3.47	Pass	

**TEST RESULTS DATA**  
**Power Spectral Density**

FCC U-NII-1 MIMO															
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	36	5180	Full	0.00	0.00			6.90	11.00	5.33		Pass	
HE20	MCS0	2	36	5180	26/0	0.00	0.00			6.49	11.00	5.33		Pass	
HE20	MCS0	2	36	5180	52/37	0.00	0.00			6.72	11.00	5.33		Pass	
HE20	MCS0	2	36	5180	106/53	0.00	0.00			6.55	11.00	5.33		Pass	
HE20	MCS0	2	44	5220	Full	0.00	0.00			7.20	11.00	5.33		Pass	
HE20	MCS0	2	44	5220	26/4	0.00	0.00			7.08	11.00	5.33		Pass	
HE20	MCS0	2	44	5220	52/38	0.00	0.00			6.78	11.00	5.33		Pass	
HE20	MCS0	2	44	5220	106/53	0.00	0.00			6.83	11.00	5.33		Pass	
HE20	MCS0	2	48	5240	Full	0.00	0.00			7.14	11.00	5.33		Pass	
HE20	MCS0	2	48	5240	26/8	0.00	0.00			6.40	11.00	5.33		Pass	
HE20	MCS0	2	48	5240	52/40	0.00	0.00			7.04	11.00	5.33		Pass	
HE20	MCS0	2	48	5240	106/54	0.00	0.00			7.09	11.00	5.33		Pass	
HE40	MCS0	2	38	5190	Full	0.00	0.00			2.53	11.00	5.33		Pass	
HE40	MCS0	2	38	5190	242/61	0.00	0.00			1.97	11.00	5.33		Pass	
HE40	MCS0	2	46	5230	Full	0.00	0.00			4.19	11.00	5.33		Pass	
HE40	MCS0	2	46	5230	242/62	0.00	0.00			3.68	11.00	5.33		Pass	
HE80	MCS0	2	42	5210	Full	0.03	0.04			-1.23	11.00	5.33		Pass	
HE80	MCS0	2	42	5210	484/65	0.03	0.04			-1.42	11.00	5.33		Pass	
HE160	MCS0	2	50	5250	Full	0.04	0.04			-4.27	11.00	5.33		Pass	
HE160	MCS0	2	50	5250	996/67	0.04	0.04			-4.49	11.00	5.33		Pass	

**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-2A MIMO																
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	52	5260	Full	18.98	18.98	22.32	21.66	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	18.98	18.98	21.90	21.66	23.78		29.78		23.98		
HE20	MCS0	2	64	5320	Full	18.98	18.93	21.72	21.30	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	Full	38.06	38.06	40.92	40.44	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.96	40.44	40.80	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	77.32	82.80	82.80	23.98		30.00		23.98		

**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-2A MIMO														
Mod.	Data Rate	N <sub>rx</sub>	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
HE20	MCS0	2	52	5260	Full	16.30	15.70	19.02	23.98		3.10	30	Pass	
HE20	MCS0	2	52	5260	26/0	5.10	6.20	8.70	23.98		3.10	30	Pass	
HE20	MCS0	2	52	5260	52/37	7.70	9.60	11.76	23.98		3.10	30	Pass	
HE20	MCS0	2	52	5260	106/53	10.60	12.40	14.60	23.98		3.10	30	Pass	
HE20	MCS0	2	60	5300	Full	16.40	15.70	19.07	23.98		3.10	30	Pass	
HE20	MCS0	2	60	5300	26/4	6.30	8.00	10.24	23.98		3.10	30	Pass	
HE20	MCS0	2	60	5300	52/38	8.00	10.10	12.19	23.98		3.10	30	Pass	
HE20	MCS0	2	60	5300	106/53	11.00	13.00	15.12	23.98		3.10	30	Pass	
HE20	MCS0	2	64	5320	Full	15.90	16.20	19.06	23.98		3.10	30	Pass	
HE20	MCS0	2	64	5320	26/8	5.00	6.30	8.71	23.98		3.10	30	Pass	
HE20	MCS0	2	64	5320	52/40	7.60	9.50	11.66	23.98		3.10	30	Pass	
HE20	MCS0	2	64	5320	106/54	10.30	12.50	14.55	23.98		3.10	30	Pass	
HE40	MCS0	2	54	5270	Full	16.90	16.40	19.67	23.98		3.10	30	Pass	
HE40	MCS0	2	54	5270	242/61	13.40	14.00	16.72	23.98		3.10	30	Pass	
HE40	MCS0	2	62	5310	Full	15.80	15.90	18.86	23.98		3.10	30	Pass	
HE40	MCS0	2	62	5310	242/62	12.50	12.60	15.56	23.98		3.10	30	Pass	
HE80	MCS0	2	58	5290	Full	15.40	14.80	18.12	23.98		3.10	30	Pass	
HE80	MCS0	2	58	5290	484/66	11.90	12.40	15.17	23.98		3.10	30	Pass	
HE160	MCS0	2	50	5250	996/S67	11.10	11.40	14.26	23.98		3.10	30	Pass	

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-2A MIMO															
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	52	5260	Full	0.00	0.00	-	-	5.99	11.00	4.81	-	Pass	
HE20	MCS0	2	52	5260	26/0	0.00	0.00	-	-	5.84	11.00	4.81	-	Pass	
HE20	MCS0	2	52	5260	52/37	0.00	0.00	-	-	5.94	11.00	4.81	-	Pass	
HE20	MCS0	2	52	5260	106/53	0.00	0.00	-	-	5.64	11.00	4.81	-	Pass	
HE20	MCS0	2	60	5300	Full	0.00	0.00	-	-	6.19	11.00	4.81	-	Pass	
HE20	MCS0	2	60	5300	26/4	0.00	0.00	-	-	5.98	11.00	4.81	-	Pass	
HE20	MCS0	2	60	5300	52/38	0.00	0.00	-	-	6.14	11.00	4.81	-	Pass	
HE20	MCS0	2	60	5300	106/53	0.00	0.00	-	-	5.78	11.00	4.81	-	Pass	
HE20	MCS0	2	64	5320	Full	0.00	0.00	-	-	6.09	11.00	4.81	-	Pass	
HE20	MCS0	2	64	5320	26/8	0.00	0.00	-	-	5.77	11.00	4.81	-	Pass	
HE20	MCS0	2	64	5320	52/40	0.00	0.00	-	-	5.84	11.00	4.81	-	Pass	
HE20	MCS0	2	64	5320	106/54	0.00	0.00	-	-	5.67	11.00	4.81	-	Pass	
HE40	MCS0	2	54	5270	Full	0.00	0.00	-	-	3.74	11.00	4.81	-	Pass	
HE40	MCS0	2	54	5270	242/61	0.00	0.00	-	-	3.64	11.00	4.81	-	Pass	
HE40	MCS0	2	62	5310	Full	0.00	0.00	-	-	2.73	11.00	4.81	-	Pass	
HE40	MCS0	2	62	5310	242/62	0.00	0.00	-	-	2.56	11.00	4.81	-	Pass	
HE80	MCS0	2	58	5290	Full	0.03	0.04	-	-	-0.61	11.00	4.81	-	Pass	
HE80	MCS0	2	58	5290	484/66	0.03	0.04	-	-	-0.99	11.00	4.81	-	Pass	
HE160	MCS0	2	50	5250	996/S67	0.04	0.04	-	-	-4.52	11.00	4.81	-	Pass	



**TEST RESULTS DATA**  
**26dB and 99% OBW**

U-NII-2C MIMO																	
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8
HE20	MCS0	2	100	5500	Full	18.98	18.98	21.60	21.54	23.78		29.78		23.98	----	----	
HE20	MCS0	2	116	5580	Full	19.03	19.38	25.44	38.16	23.79		29.79		23.98	----	----	
HE20	MCS0	2	140	5700	Full	18.88	18.98	21.18	22.02	23.76		29.76		23.98	----	----	
HE40	MCS0	2	102	5510	Full	37.96	37.96	40.44	40.44	23.98		30.00		23.98	----	----	
HE40	MCS0	2	110	5550	Full	37.96	38.16	40.92	40.68	23.98		30.00		23.98	----	----	
HE40	MCS0	2	134	5670	Full	38.16	38.06	41.04	41.52	23.98		30.00		23.98	----	----	
HE80	MCS0	2	106	5530	Full	77.08	77.20	83.04	83.04	23.98		30.00		23.98	----	----	
HE80	MCS0	2	122	5610	Full	77.32	77.44	82.80	105.84	23.98		30.00		23.98	----	----	
HE160	MCS0	2	114	5570	Full	156.32	156.56	167.04	166.08	23.98		30.00		23.98	----	----	

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N <sub>TX</sub>	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 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Ant 8
HE20	MCS0	2	144	5720	Full	14.49	14.44	15.56	15.68	22.60		28.60		22.92	4.5	4.25	
HE40	MCS0	2	142	5710	Full	33.98	34.08	35.28	36.00	23.98		30.00		23.98	3.99	4.08	
HE80	MCS0	2	138	5690	Full	73.72	73.60	76.76	93.08	23.98		30.00		23.98	3.88	3.88	

**TEST RESULTS DATA**  
**Average Power Table**

FCC U-NII-2C MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
HE20	MCS0	2	100	5500	Full	17.40	17.40	20.41	23.98		3.29	30	Pass	
HE20	MCS0	2	100	5500	26/0	7.00	6.60	9.81	23.98		3.29	30	Pass	
HE20	MCS0	2	100	5500	52/37	10.10	9.90	13.01	23.98		3.29	30	Pass	
HE20	MCS0	2	100	5500	106/53	13.50	12.50	16.04	23.98		3.29	30	Pass	
HE20	MCS0	2	116	5580	Full	17.40	16.90	20.17	23.98		3.29	30	Pass	
HE20	MCS0	2	116	5580	26/4	9.00	8.20	11.63	23.98		3.29	30	Pass	
HE20	MCS0	2	116	5580	52/38	10.80	10.00	13.43	23.98		3.29	30	Pass	
HE20	MCS0	2	116	5580	106/53	13.90	12.80	16.40	23.98		3.29	30	Pass	
HE20	MCS0	2	140	5700	Full	14.30	14.50	17.41	23.98		3.29	30	Pass	
HE20	MCS0	2	140	5700	26/8	4.10	5.20	7.70	23.98		3.29	30	Pass	
HE20	MCS0	2	140	5700	52/40	7.20	7.80	10.52	23.98		3.29	30	Pass	
HE20	MCS0	2	140	5700	106/54	10.00	10.80	13.43	23.98		3.29	30	Pass	
HE40	MCS0	2	102	5510	Full	16.00	16.20	19.11	23.98		3.29	30	Pass	
HE40	MCS0	2	102	5510	242/61	12.90	13.10	16.01	23.98		3.29	30	Pass	
HE40	MCS0	2	110	5550	Full	17.20	16.30	19.78	23.98		3.29	30	Pass	
HE40	MCS0	2	110	5550	242/61	14.80	14.20	17.52	23.98		3.29	30	Pass	
HE40	MCS0	2	134	5670	Full	16.50	16.60	19.56	23.98		3.29	30	Pass	
HE40	MCS0	2	134	5670	242/62	13.80	13.20	16.52	23.98		3.29	30	Pass	
HE80	MCS0	2	106	5530	Full	15.50	15.70	18.61	23.98		3.29	30	Pass	
HE80	MCS0	2	106	5530	484/65	12.30	12.20	15.26	23.98		3.29	30	Pass	
HE80	MCS0	2	122	5610	Full	17.30	16.80	20.07	23.98		3.29	30	Pass	
HE80	MCS0	2	122	5610	484/66	14.60	14.20	17.41	23.98		3.29	30	Pass	
HE160	MCS0	2	114	5570	Full	15.10	14.70	17.91	23.98		3.29	30	Pass	
HE160	MCS0	2	114	5570	996/67	12.50	11.30	14.95	23.98		3.29	30	Pass	
HE160	MCS0	2	114	5570	996/S67	11.90	11.50	14.71	23.98		3.29	30	Pass	

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8		
HE20	MCS0	2	144	5720	Full	16.20	15.50	18.87	22.92		3.29	30	Pass	
HE20	MCS0	2	144	5720	26/8	5.20	6.80	9.08	22.92		3.29	30	Pass	
HE20	MCS0	2	144	5720	52/40	8.50	9.50	12.04	22.92		3.29	30	Pass	
HE20	MCS0	2	144	5720	106/54	11.70	12.70	15.24	22.92		3.29	30	Pass	
HE40	MCS0	2	142	5710	Full	17.40	17.20	20.31	23.98		3.29	30	Pass	
HE40	MCS0	2	142	5710	242/62	13.70	14.40	17.07	23.98		3.29	30	Pass	
HE80	MCS0	2	138	5690	Full	17.40	17.20	20.31	23.98		3.29	30	Pass	
HE80	MCS0	2	138	5690	484/66	14.20	15.00	17.63	23.98		3.29	30	Pass	

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-2C MIMO															
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	100	5500	Full	0.00	0.00	-	-	7.30	11.00	5.59	-	Pass	
HE20	MCS0	2	100	5500	26/0	0.00	0.00	-	-	6.77	11.00	5.59	-	Pass	
HE20	MCS0	2	100	5500	52/37	0.00	0.00	-	-	7.14	11.00	5.59	-	Pass	
HE20	MCS0	2	100	5500	106/53	0.00	0.00	-	-	7.02	11.00	5.59	-	Pass	
HE20	MCS0	2	116	5580	Full	0.00	0.00	-	-	7.66	11.00	5.59	-	Pass	
HE20	MCS0	2	116	5580	26/4	0.00	0.00	-	-	7.42	11.00	5.59	-	Pass	
HE20	MCS0	2	116	5580	52/38	0.00	0.00	-	-	7.49	11.00	5.59	-	Pass	
HE20	MCS0	2	116	5580	106/53	0.00	0.00	-	-	7.29	11.00	5.59	-	Pass	
HE20	MCS0	2	140	5700	Full	0.00	0.00	-	-	4.52	11.00	5.59	-	Pass	
HE20	MCS0	2	140	5700	26/8	0.00	0.00	-	-	4.38	11.00	5.59	-	Pass	
HE20	MCS0	2	140	5700	52/40	0.00	0.00	-	-	4.29	11.00	5.59	-	Pass	
HE20	MCS0	2	140	5700	106/54	0.00	0.00	-	-	4.12	11.00	5.59	-	Pass	
HE40	MCS0	2	102	5510	Full	0.00	0.00	-	-	3.10	11.00	5.59	-	Pass	
HE40	MCS0	2	102	5510	242/61	0.00	0.00	-	-	2.95	11.00	5.59	-	Pass	
HE40	MCS0	2	110	5550	Full	0.00	0.00	-	-	4.43	11.00	5.59	-	Pass	
HE40	MCS0	2	110	5550	242/61	0.00	0.00	-	-	4.18	11.00	5.59	-	Pass	
HE40	MCS0	2	134	5670	Full	0.00	0.00	-	-	3.58	11.00	5.59	-	Pass	
HE40	MCS0	2	134	5670	242/62	0.00	0.00	-	-	3.22	11.00	5.59	-	Pass	
HE80	MCS0	2	106	5530	Full	0.03	0.04	-	-	-0.51	11.00	5.59	-	Pass	
HE80	MCS0	2	106	5530	484/65	0.03	0.04	-	-	-0.76	11.00	5.59	-	Pass	
HE80	MCS0	2	122	5610	Full	0.03	0.04	-	-	1.39	11.00	5.59	-	Pass	
HE80	MCS0	2	122	5610	484/66	0.03	0.04	-	-	1.09	11.00	5.59	-	Pass	
HE160	MCS0	2	114	5570	Full	0.04	0.04	-	-	-3.87	11.00	5.59	-	Pass	
HE160	MCS0	2	114	5570	996/67	0.04	0.04	-	-	-4.17	11.00	5.59	-	Pass	
HE160	MCS0	2	114	5570	996/S67	0.04	0.04	-	-	-4.38	11.00	5.59	-	Pass	

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	144	5720	Full	0.00	0.00	-	-	5.84	11.00	5.59	-	Pass	
HE40	MCS0	2	144	5720	26/8	0.00	0.00	-	-	5.71	11.00	5.59	-	Pass	
HE40	MCS0	2	144	5720	52/40	0.00	0.00	-	-	5.77	11.00	5.59	-	Pass	
HE40	MCS0	2	144	5720	106/54	0.00	0.00	-	-	5.77	11.00	5.59	-	Pass	
HE40	MCS0	2	142	5710	Full	0.00	0.00	-	-	4.67	11.00	5.59	-	Pass	
HE40	MCS0	2	142	5710	242/62	0.00	0.00	-	-	4.42	11.00	5.59	-	Pass	
HE80	MCS0	2	138	5690	Full	0.03	0.04	-	-	1.69	11.00	5.59	-	Pass	
HE80	MCS0	2	138	5690	484/66	0.03	0.04	-	-	1.45	11.00	5.59	-	Pass	



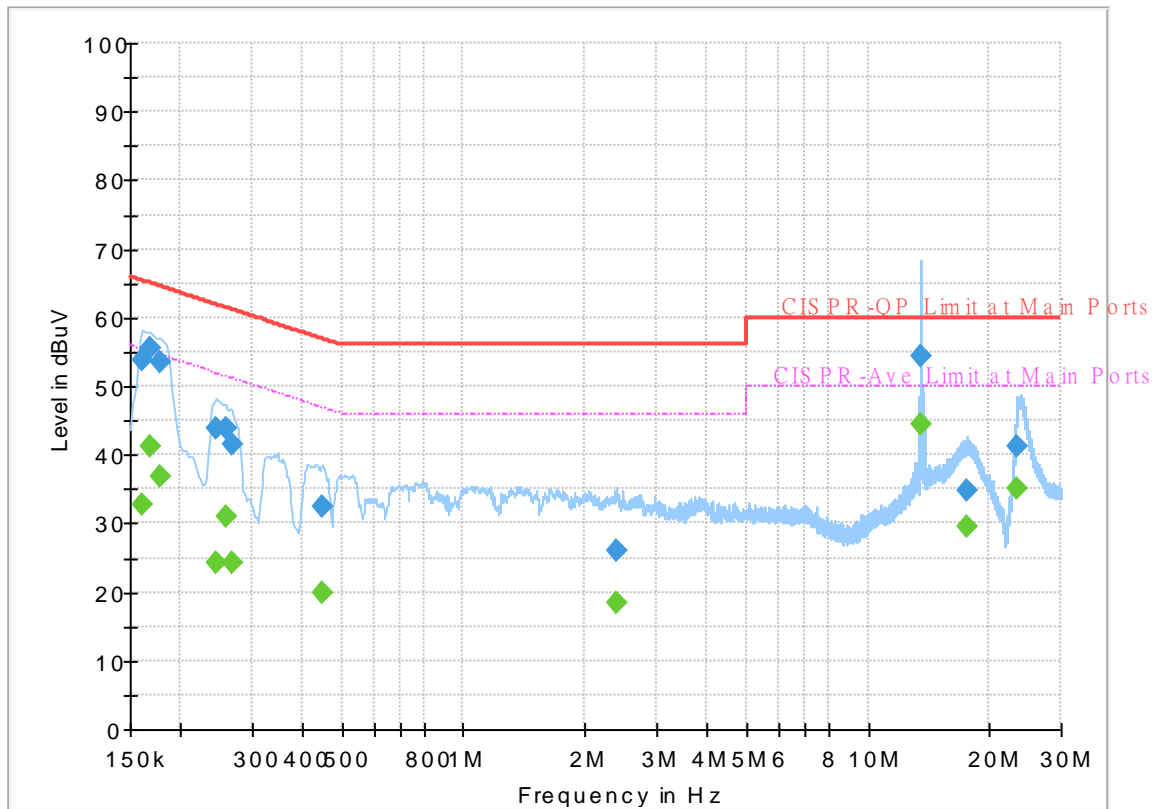
## Appendix B. AC Conducted Emission Test Results

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

## EUT Information

Report NO : 332310  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



## Final\_Result

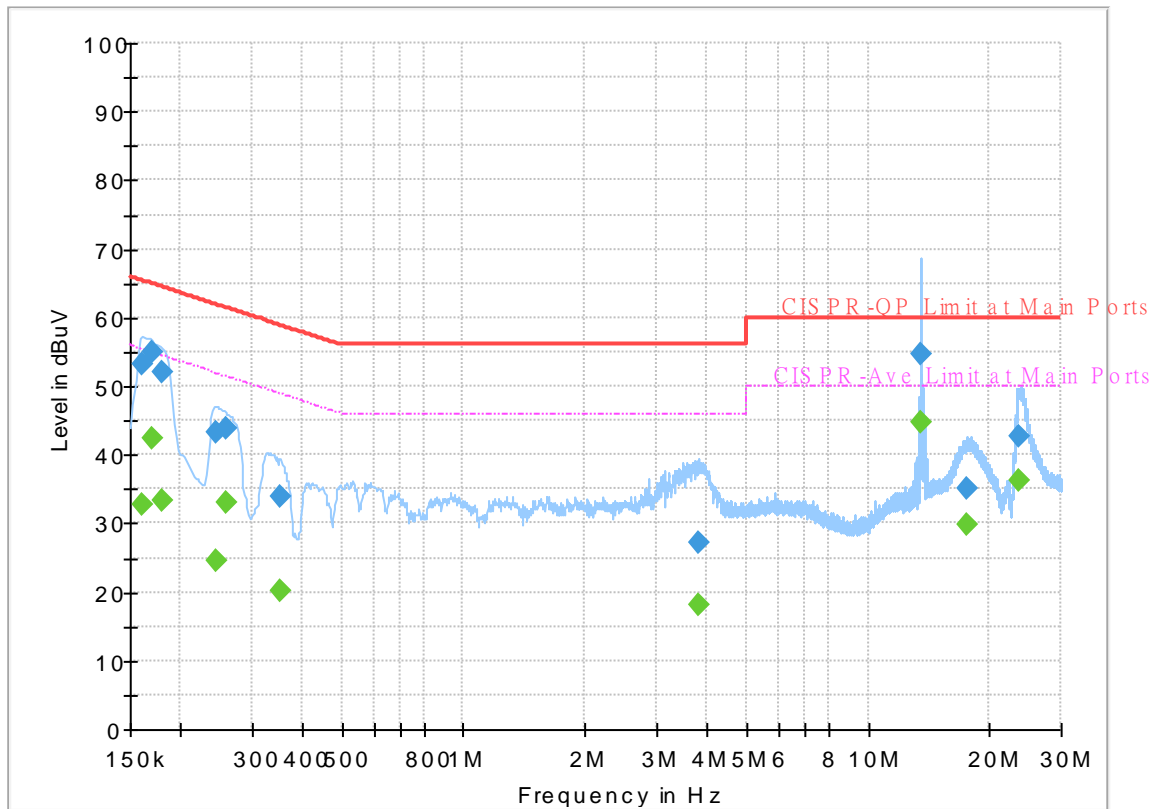
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	32.63	55.40	22.77	L1	OFF	19.8
0.161250	53.71	---	65.40	11.69	L1	OFF	19.8
0.168000	---	41.17	55.06	13.89	L1	OFF	19.8
0.168000	55.45	---	65.06	9.61	L1	OFF	19.8
0.177000	---	36.76	54.63	17.87	L1	OFF	19.8
0.177000	53.54	---	64.63	11.09	L1	OFF	19.8
0.244500	---	24.24	51.94	27.70	L1	OFF	19.8
0.244500	43.73	---	61.94	18.21	L1	OFF	19.8
0.258000	---	31.05	51.50	20.45	L1	OFF	19.8
0.258000	43.84	---	61.50	17.66	L1	OFF	19.8
0.267000	---	24.16	51.21	27.05	L1	OFF	19.8
0.267000	41.59	---	61.21	19.62	L1	OFF	19.8
0.449250	---	19.85	46.89	27.04	L1	OFF	19.8
0.449250	32.55	---	56.89	24.34	L1	OFF	19.8
2.388750	---	18.45	46.00	27.55	L1	OFF	19.9
2.388750	26.08	---	56.00	29.92	L1	OFF	19.9
13.560000	---	44.34	50.00	5.66	L1	OFF	20.0
13.560000	54.47	---	60.00	5.53	L1	OFF	20.0
17.598750	---	29.47	50.00	20.53	L1	OFF	20.0
17.598750	34.93	---	60.00	25.07	L1	OFF	20.0
23.448750	---	34.97	50.00	15.03	L1	OFF	20.0

23.448750	41.23	---	60.00	18.77	L1	OFF	20.0
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# EUT Information

Report NO : 332310  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	32.65	55.40	22.75	N	OFF	19.8
0.161250	53.16	---	65.40	12.24	N	OFF	19.8
0.170250	---	42.36	54.95	12.59	N	OFF	19.8
0.170250	55.02	---	64.95	9.93	N	OFF	19.8
0.179250	---	33.43	54.52	21.09	N	OFF	19.8
0.179250	52.12	---	64.52	12.40	N	OFF	19.8
0.244500	---	24.67	51.94	27.27	N	OFF	19.8
0.244500	43.13	---	61.94	18.81	N	OFF	19.8
0.258000	---	33.16	51.50	18.34	N	OFF	19.8
0.258000	43.91	---	61.50	17.59	N	OFF	19.8
0.352500	---	20.22	48.90	28.68	N	OFF	19.8
0.352500	33.87	---	58.90	25.03	N	OFF	19.8
3.826500	---	18.25	46.00	27.75	N	OFF	19.9
3.826500	27.12	---	56.00	28.88	N	OFF	19.9
13.560000	---	44.60	50.00	5.40	N	OFF	20.1
13.560000	54.71	---	60.00	5.29	N	OFF	20.1
17.657250	---	29.75	50.00	20.25	N	OFF	20.1
17.657250	35.23	---	60.00	24.77	N	OFF	20.1
23.493750	---	36.37	50.00	13.63	N	OFF	20.2
23.493750	42.66	---	60.00	17.34	N	OFF	20.2



### Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu, Daniel Lee,	Temperature :	20.2~25.9°C
	Quentin Liu and Bigshow Wang,	Relative Humidity :	41.0~60.1%

**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.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
7+8		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 36 5180MHz		5148.98	56.71	-17.29	74	44.45	34.1	12.05	33.89	100	293	P	H	
		5150	48.85	-5.15	54	36.59	34.1	12.05	33.89	100	293	A	H	
	*	5180	110.22	-	-	97.78	34.28	12.05	33.89	100	293	P	H	
	*	5180	103.54	-	-	91.1	34.28	12.05	33.89	100	293	A	H	
													H	
														H
			5149.76	61.53	-12.47	74	49.27	34.1	12.05	33.89	100	252	P	V
			5150	52.75	-1.25	54	40.49	34.1	12.05	33.89	100	252	A	V
	*		5180	112.99	-	-	100.55	34.28	12.05	33.89	100	252	P	V
	*		5180	105.79	-	-	93.35	34.28	12.05	33.89	100	252	A	V
														V
														V
802.11a CH 44 5220MHz		5082.16	51.3	-22.7	74	39.22	34.04	11.94	33.9	100	291	P	H	
		5147.16	41.85	-12.15	54	29.6	34.09	12.05	33.89	100	291	A	H	
	*	5220	113.05	-	-	100.44	34.4	12.1	33.89	100	291	P	H	
	*	5220	105.82	-	-	93.21	34.4	12.1	33.89	100	291	A	H	
			5454.4	50.34	-23.66	74	37.29	34.72	12.2	33.87	100	291	P	H
			5458.6	41.06	-12.94	54	28	34.73	12.2	33.87	100	291	A	H
			5006.76	52.35	-21.65	74	40.14	34.27	11.84	33.9	100	253	P	V
			5149.24	42.09	-11.91	54	29.83	34.1	12.05	33.89	100	253	A	V
	*		5220	113.08	-	-	100.47	34.4	12.1	33.89	100	253	P	V
	*		5220	106.31	-	-	93.7	34.4	12.1	33.89	100	253	A	V
			5435.08	51	-23	74	38.06	34.61	12.2	33.87	100	253	P	V
			5455.8	41.21	-12.79	54	28.16	34.72	12.2	33.87	100	253	A	V





<b>802.11a CH 48 5240MHz</b>		5113.36	51.05	-22.95	74	38.91	34.03	12	33.89	115	291	P	H
		5085.8	41.72	-12.28	54	29.64	34.03	11.94	33.89	115	291	A	H
	*	5240	111.36	-	-	98.74	34.4	12.11	33.89	115	291	P	H
	*	5240	105.34	-	-	92.72	34.4	12.11	33.89	115	291	A	H
		5442.92	49.91	-24.09	74	36.92	34.66	12.2	33.87	115	291	P	H
		5458.04	41.01	-12.99	54	27.95	34.73	12.2	33.87	115	291	A	H
		5023.4	51.13	-22.87	74	38.93	34.21	11.89	33.9	100	259	P	V
		5149.24	41.82	-12.18	54	29.56	34.1	12.05	33.89	100	259	A	V
	*	5240	113.21	-	-	100.59	34.4	12.11	33.89	100	259	P	V
	*	5240	106.74	-	-	94.12	34.4	12.11	33.89	100	259	A	V
		5453.28	50.73	-23.27	74	37.69	34.71	12.2	33.87	100	259	P	V
		5460	41.1	-12.9	54	28.03	34.74	12.2	33.87	100	259	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		10360	53.02	-15.18	68.2	56.01	37.3	18.66	58.95	400	282	P	H	
		15540	49.27	-24.73	74	42.75	40.2	22.58	56.26	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10360	60.89	-7.31	68.2	63.88	37.3	18.66	58.95	100	102	P	V
			15540	57.03	-16.97	74	50.51	40.2	22.58	56.26	100	125	P	V
			15540	47	-7	54	40.48	40.2	22.58	56.26	100	125	A	V
														V
														V
														V
														V
													V	
													V	
													V	



WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 44 5220MHz		10440	53.76	-14.44	68.2	56.58	37.3	18.74	58.86	400	272	P	H	
		15660	49.66	-24.34	74	42.95	40.38	22.64	56.31	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	61.37	-6.83	68.2	64.19	37.3	18.74	58.86	100	106	P	V
			15660	54.89	-19.11	74	48.18	40.38	22.64	56.31	100	130	P	V
			15660	46.81	-7.19	54	40.1	40.38	22.64	56.31	100	130	A	V
														V
														V
														V
														V
														V
													V	
													V	



WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11a CH 48 5240MHz		10480	52.71	-15.49	68.2	55.46	37.3	18.77	58.82	400	293	P	H	
		15720	52.07	-21.93	74	45.17	40.54	22.69	56.33	100	134	P	H	
		15720	43.67	-10.33	54	36.77	40.54	22.69	56.33	100	134	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	63.08	-5.12	68.2	65.83	37.3	18.77	58.82	100	106	P	V
			15720	55.98	-18.02	74	49.08	40.54	22.69	56.33	100	127	P	V
			15720	47.89	-6.11	54	40.99	40.54	22.69	56.33	100	127	A	V
														V
														V
														V
														V
														V
														V
													V	
													V	
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



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

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 36 5180MHz		5149.76	56.81	-17.19	74	44.55	34.1	12.05	33.89	318	101	P	H	
		5150	46.43	-7.57	54	34.17	34.1	12.05	33.89	318	101	A	H	
	*	5180	109.52	-	-	97.08	34.28	12.05	33.89	318	101	P	H	
	*	5180	100.28	-	-	87.84	34.28	12.05	33.89	318	101	A	H	
													H	
														H
			5149.24	63.67	-10.33	74	51.41	34.1	12.05	33.89	100	80	P	V
			5150	50.36	-3.64	54	38.1	34.1	12.05	33.89	100	80	A	V
		*	5180	110.47	-	-	98.03	34.28	12.05	33.89	100	80	P	V
		*	5180	102.88	-	-	90.44	34.28	12.05	33.89	100	80	A	V
													V	
													V	
802.11ax HE20 Full CH 44 5220MHz		5146.9	54.05	-19.95	74	41.8	34.09	12.05	33.89	100	291	P	H	
		5149.76	45.4	-8.6	54	33.14	34.1	12.05	33.89	100	291	A	H	
		*	5220	112.67	-	-	100.06	34.4	12.1	33.89	100	291	P	H
		*	5220	104.46	-	-	91.85	34.4	12.1	33.89	100	291	A	H
			5372.08	49.87	-24.13	74	37.23	34.4	12.12	33.88	100	291	P	H
			5458.88	41.23	-12.77	54	28.16	34.74	12.2	33.87	100	291	A	H
			5149.76	63.76	-10.24	74	51.5	34.1	12.05	33.89	100	245	P	V
			5150	49.35	-4.65	54	37.09	34.1	12.05	33.89	100	245	A	V
		*	5220	114.02	-	-	101.41	34.4	12.1	33.89	100	245	P	V
		*	5220	106.99	-	-	94.38	34.4	12.1	33.89	100	245	A	V
		5377.96	51.93	-22.07	74	39.29	34.4	12.12	33.88	100	245	P	V	
		5350.24	42.28	-11.72	54	29.64	34.4	12.12	33.88	100	245	A	V	



<b>802.11ax</b> <b>HE20 Full</b> <b>CH 48</b> <b>5240MHz</b>		5033.28	51.39	-22.61	74	39.23	34.17	11.89	33.9	100	287	P	H
		5149.5	42.78	-11.22	54	30.52	34.1	12.05	33.89	100	287	A	H
	*	5240	111.74	-	-	99.12	34.4	12.11	33.89	100	287	P	H
	*	5240	103.86	-	-	91.24	34.4	12.11	33.89	100	287	A	H
		5363.96	49.96	-24.04	74	37.32	34.4	12.12	33.88	100	287	P	H
		5458.88	41.13	-12.87	54	28.06	34.74	12.2	33.87	100	287	A	H
		5148.98	54.34	-19.66	74	42.08	34.1	12.05	33.89	100	241	P	V
		5149.5	45.6	-8.4	54	33.34	34.1	12.05	33.89	100	241	A	V
	*	5240	113.16	-	-	100.54	34.4	12.11	33.89	100	241	P	V
	*	5240	106.6	-	-	93.98	34.4	12.11	33.89	100	241	A	V
		5357.8	50.91	-23.09	74	38.27	34.4	12.12	33.88	100	241	P	V
		5350.24	42.21	-11.79	54	29.57	34.4	12.12	33.88	100	241	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 36 5180MHz		10360	44.71	-23.49	68.2	47.7	37.3	18.66	58.95	-	-	P	H	
		15540	48.31	-25.69	74	41.79	40.2	22.58	56.26	-	-	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
			10360	55.88	-12.32	68.2	58.87	37.3	18.66	58.95	100	105	P	V
			15540	48.62	-25.38	74	42.1	40.2	22.58	56.26	-	-	P	V
													V	
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 44 5220MHz		10440	54.25	-13.95	68.2	57.07	37.3	18.74	58.86	400	272	P	H	
		15660	49.49	-24.51	74	42.78	40.38	22.64	56.31	-	-	P	H	
													H	
													H	
													H	
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													H	
													H	
			10440	63.24	-4.96	68.2	66.06	37.3	18.74	58.86	100	106	P	V
			15660	57.16	-16.84	74	50.45	40.38	22.64	56.31	100	130	P	V
		15660	47.16	-6.84	54	40.45	40.38	22.64	56.31	100	130	A	V	
													V	
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (dBµV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 48 5240MHz		10480	51.96	-16.24	68.2	54.71	37.3	18.77	58.82	400	293	P	H	
		15720	51.33	-22.67	74	44.43	40.54	22.69	56.33	100	134	P	H	
		15720	43.73	-10.27	54	36.83	40.54	22.69	56.33	100	134	A	H	
													H	
													H	
													H	
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													H	
													H	
			10480	63.71	-4.49	68.2	66.46	37.3	18.77	58.82	100	106	P	V
			15720	57.58	-16.42	74	50.68	40.54	22.69	56.33	100	127	P	V
		15720	48.54	-5.46	54	41.64	40.54	22.69	56.33	100	127	A	V	
													V	
													V	
													V	
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Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 1 5150~5250MHz  
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5066.56	51.75	-22.25	74	39.64	34.07	11.94	33.9	100	291	P	H	
		5148.98	42.09	-11.91	54	29.83	34.1	12.05	33.89	100	291	A	H	
	*	5180	108.15	-	-	95.71	34.28	12.05	33.89	100	291	P	H	
	*	5180	102.06	-	-	89.62	34.28	12.05	33.89	100	291	A	H	
													H	
														H
			5008.84	52.04	-21.96	74	39.84	34.26	11.84	33.9	100	270	P	V
			5150	42.86	-11.14	54	30.6	34.1	12.05	33.89	100	270	A	V
	*		5180	110.57	-	-	98.13	34.28	12.05	33.89	100	270	P	V
	*		5180	103.73	-	-	91.29	34.28	12.05	33.89	100	270	A	V
													V	
													V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5149.5	62.94	-11.06	74	50.68	34.1	12.05	33.89	100	291	P	H
		5149.5	47.9	-6.1	54	35.64	34.1	12.05	33.89	100	291	A	H
	*	5190	108.24	-	-	95.69	34.34	12.1	33.89	100	291	P	H
	*	5190	98.59	-	-	86.04	34.34	12.1	33.89	100	291	A	H
		5460	49.69	-24.31	74	36.62	34.74	12.2	33.87	100	291	P	H
		5460	41.13	-12.87	54	28.06	34.74	12.2	33.87	100	291	A	H
		5150	64.13	-9.87	74	51.87	34.1	12.05	33.89	100	264	P	V
		5150	51.6	-2.4	54	39.34	34.1	12.05	33.89	100	264	A	V
	*	5190	107.51	-	-	94.96	34.34	12.1	33.89	100	264	P	V
	*	5190	100.24	-	-	87.69	34.34	12.1	33.89	100	264	A	V
		5420.8	49.92	-24.08	74	37.07	34.52	12.2	33.87	100	264	P	V
		5459.72	41.15	-12.85	54	28.08	34.74	12.2	33.87	100	264	A	V
802.11ax HE40 Full CH 46 5230MHz		5149.5	59.2	-14.8	74	46.94	34.1	12.05	33.89	100	290	P	H
		5150	47.77	-6.23	54	35.51	34.1	12.05	33.89	100	290	A	H
	*	5230	108.56	-	-	95.94	34.4	12.11	33.89	100	290	P	H
	*	5230	100.71	-	-	88.09	34.4	12.11	33.89	100	290	A	H
		5358.64	51.88	-22.12	74	39.24	34.4	12.12	33.88	100	290	P	H
		5354.44	42.7	-11.3	54	30.06	34.4	12.12	33.88	100	290	A	H
		5143.78	62.5	-11.5	74	50.25	34.09	12.05	33.89	100	262	P	V
		5150	51.73	-2.27	54	39.47	34.1	12.05	33.89	100	262	A	V
	*	5230	110.74	-	-	98.12	34.4	12.11	33.89	100	262	P	V
	*	5230	101.73	-	-	89.11	34.4	12.11	33.89	100	262	A	V
	5357.24	57.72	-16.28	74	45.08	34.4	12.12	33.88	100	262	P	V	
	5350.52	45.49	-8.51	54	32.85	34.4	12.12	33.88	100	262	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 38 5190MHz		10380	46.78	-21.42	68.2	49.75	37.3	18.66	58.93	-	-	P	H	
		15570	47.67	-26.33	74	41.13	40.2	22.61	56.27	-	-	P	H	
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			10380	53.02	-15.18	68.2	55.99	37.3	18.66	58.93	100	105	P	V
			15570	48.4	-25.6	74	41.86	40.2	22.61	56.27	-	-	P	V
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 46 5230MHz		10460	50.15	-18.05	68.2	52.95	37.3	18.74	58.84	400	271	P	H	
		15690	47.91	-26.09	74	41.1	40.47	22.66	56.32	-	-	P	H	
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			10460	56.31	-11.89	68.2	59.11	37.3	18.74	58.84	100	108	P	V
			15690	47.86	-26.14	74	41.05	40.47	22.66	56.32	-	-	P	V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



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

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for frequencies like 5141.18, 5137.02, 5190, 5190, 5432.28, 5459.72, 5149.5, 5147.42, 5190, 5190, 5459.44, 5457.48.

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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE80 Full CH 42 5210MHz</b>		5147.68	58.09	-15.91	74	45.83	34.1	12.05	33.89	100	290	P	H
		5145.86	48.59	-5.41	54	36.34	34.09	12.05	33.89	100	290	A	H
	*	5210	102.04	-	-	89.43	34.4	12.1	33.89	100	290	P	H
	*	5210	94.75	-	-	82.14	34.4	12.1	33.89	100	290	A	H
		5364.24	52.41	-21.59	74	39.77	34.4	12.12	33.88	100	290	P	H
		5458.88	41.14	-12.86	54	28.07	34.74	12.2	33.87	100	290	A	H
		5146.9	64.85	-9.15	74	52.6	34.09	12.05	33.89	100	262	P	V
		5148.72	50.75	-3.25	54	38.49	34.1	12.05	33.89	100	262	A	V
	*	5210	103.2	-	-	90.59	34.4	12.1	33.89	100	262	P	V
	*	5210	96.27	-	-	83.66	34.4	12.1	33.89	100	262	A	V
	5355.56	50.85	-23.15	74	38.21	34.4	12.12	33.88	100	262	P	V	
	5351.08	42.52	-11.48	54	29.88	34.4	12.12	33.88	100	262	A	V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		10420	44.98	-23.22	68.2	47.86	37.3	18.7	58.88	-	-	P	H	
		15630	48.29	-25.71	74	41.65	40.29	22.64	56.29	-	-	P	H	
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			10420	53.78	-14.42	68.2	56.66	37.3	18.7	58.88	100	107	P	V
			15630	48.06	-25.94	74	41.42	40.29	22.64	56.29	-	-	P	V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													





**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE80 Partial 484/65 CH 42 5210MHz</b>		5142.48	62.89	-11.11	74	50.65	34.08	12.05	33.89	100	290	P	H
		5147.16	44.64	-9.36	54	32.39	34.09	12.05	33.89	100	290	A	H
	*	5210	105.05	-	-	92.44	34.4	12.1	33.89	100	290	P	H
	*	5210	97.21	-	-	84.6	34.4	12.1	33.89	100	290	A	H
		5435.36	49.68	-24.32	74	36.74	34.61	12.2	33.87	100	290	P	H
		5459.72	41.05	-12.95	54	27.98	34.74	12.2	33.87	100	290	A	H
		5133.9	63.05	-10.95	74	50.87	34.07	12	33.89	100	269	P	V
		5147.68	49.46	-4.54	54	37.2	34.1	12.05	33.89	100	269	A	V
	*	5210	105.12	-	-	92.51	34.4	12.1	33.89	100	269	P	V
	*	5210	98	-	-	85.39	34.4	12.1	33.89	100	269	A	V
		5367.6	54.26	-19.74	74	41.62	34.4	12.12	33.88	100	269	P	V
		5457.48	41.1	-12.9	54	28.04	34.73	12.2	33.87	100	269	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
7+8		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		31.08	28.7	-11.3	40	33.54	23.82	1.4	30.06	-	-	P	H
		133.14	30.65	-12.85	43.5	40.94	17.59	2.08	29.96	-	-	P	H
		193.89	24.75	-18.75	43.5	37.33	14.96	2.5	30.04	-	-	P	H
		777.4	31.63	-14.37	46	28.59	27.89	4.8	29.65	-	-	P	H
		857.9	33.3	-12.7	46	28.45	28.97	5.13	29.25	-	-	P	H
		957.3	35.08	-10.92	46	27.84	30.52	5.51	28.79	-	-	P	H
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802.11a													H
LF		31.35	29.96	-10.04	40	34.95	23.67	1.4	30.06	100	0	Q	V
		64.29	24.46	-15.54	40	40.99	11.74	1.67	29.94	-	-	P	V
		123.15	26.35	-17.15	43.5	36.66	17.59	2.07	29.97	-	-	P	V
		766.2	32.68	-13.32	46	29.69	27.89	4.79	29.69	-	-	P	V
		848.8	33.42	-12.58	46	28.76	28.86	5.1	29.3	-	-	P	V
		958	34.84	-11.16	46	27.55	30.57	5.51	28.79	-	-	P	V
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**Remark**

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



**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5131.76	48	-26	74	42.35	33.2	9.07	36.62	100	293	P	H
		5106.11	37.77	-16.23	54	32.18	33.2	9.02	36.63	100	293	A	H
	*	5260	112.41	-	-	106.87	32.88	9.27	36.61	100	293	P	H
	*	5260	105.34	-	-	99.8	32.88	9.27	36.61	100	293	A	H
		5358.15	48.61	-25.39	74	42.91	32.92	9.38	36.6	100	293	P	H
		5350.38	38.49	-15.51	54	32.82	32.9	9.37	36.6	100	293	A	H
		5149.85	48.98	-25.02	74	43.3	33.2	9.1	36.62	100	252	P	V
		5150	38.31	-15.69	54	32.63	33.2	9.1	36.62	100	252	A	V
	*	5260	113.79	-	-	108.25	32.88	9.27	36.61	100	252	P	V
	*	5260	107.06	-	-	101.52	32.88	9.27	36.61	100	252	A	V
		5351.22	50.09	-23.91	74	44.42	32.9	9.37	36.6	100	252	P	V
		5350.17	39.24	-14.76	54	33.57	32.9	9.37	36.6	100	252	A	V
802.11a CH 60 5300MHz		5099.84	48.17	-25.83	74	42.6	33.2	9	36.63	100	214	P	H
		5144.64	39.26	-14.74	54	33.59	33.2	9.09	36.62	100	214	A	H
	*	5300	110.95	-	-	105.43	32.8	9.32	36.6	100	214	P	H
	*	5300	103.84	-	-	98.32	32.8	9.32	36.6	100	214	A	H
		5355.06	49.87	-24.13	74	44.18	32.91	9.38	36.6	100	214	P	H
		5350.02	40.7	-13.3	54	35.03	32.9	9.37	36.6	100	214	A	H
		5118.72	47.49	-26.51	74	41.88	33.2	9.04	36.63	100	254	P	V
		5149.76	38.31	-15.69	54	32.63	33.2	9.1	36.62	100	254	A	V
	*	5300	113.13	-	-	107.61	32.8	9.32	36.6	100	254	P	V
	*	5300	106.76	-	-	101.24	32.8	9.32	36.6	100	254	A	V
		5367.48	51.02	-22.98	74	45.3	32.93	9.39	36.6	100	254	P	V
		5355.42	41.79	-12.21	54	36.1	32.91	9.38	36.6	100	254	A	V



<b>802.11a CH 64 5320MHz</b>	*	5320	108.84	-	-	103.26	32.84	9.34	36.6	355	294	P	H
	*	5320	103	-	-	97.42	32.84	9.34	36.6	355	294	A	H
		5350.56	57.21	-16.79	74	51.54	32.9	9.37	36.6	355	294	P	H
		5350.08	47.45	-6.55	54	41.78	32.9	9.37	36.6	355	294	A	H
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	*	5320	113.84	-	-	108.26	32.84	9.34	36.6	100	253	P	V
	*	5320	107.64	-	-	102.06	32.84	9.34	36.6	100	253	A	V
		5350.08	61.57	-12.43	74	55.9	32.9	9.37	36.6	100	253	P	V
		5350.08	51.03	-2.97	54	45.36	32.9	9.37	36.6	100	253	A	V
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													V
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 52 5260MHz		7011	60.07	-8.13	68.2	71.68	35.87	11.3	58.78	100	3	P	H	
		10520	47.71	-20.49	68.2	56.47	38.84	12.97	60.57	-	-	P	H	
		15780	52.97	-21.03	74	61.04	37.76	15.66	61.49	100	78	P	H	
		15780	45.24	-8.76	54	53.31	37.76	15.66	61.49	100	78	A	H	
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			7011	59.52	-8.68	68.2	71.13	35.87	11.3	58.78	100	273	P	V
			10520	48.08	-20.12	68.2	56.84	38.84	12.97	60.57	-	-	P	V
			15780	57.62	-16.38	74	65.69	37.76	15.66	61.49	100	136	P	V
		15780	50.26	-3.74	54	58.33	37.76	15.66	61.49	100	136	A	V	
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
i802.11a CH 60 5300MHz		7066	58.07	-10.13	68.2	69.36	36.16	11.32	58.77	100	2	P	H	
		10600	47.52	-26.48	74	56.17	39	13.02	60.67	-	-	P	H	
		15900	55.71	-18.29	74	63.74	37.5	15.7	61.23	100	82	P	H	
		15900	45.91	-8.09	54	53.94	37.5	15.7	61.23	100	82	A	H	
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			7066	59.57	-8.63	68.2	70.86	36.16	11.32	58.77	106	253	P	V
			10600	45.74	-28.26	74	54.39	39	13.02	60.67	-	-	P	V
			15900	58.98	-15.02	74	67.01	37.5	15.7	61.23	101	137	P	V
			15900	50.32	-3.68	54	58.35	37.5	15.7	61.23	101	137	A	V
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 64 5320MHz		7088	56.93	-11.27	68.2	68.11	36.25	11.34	58.77	105	2	P	H	
		10640	47.21	-26.79	74	55.85	39.04	13.04	60.72	-	-	P	H	
		15960	53.49	-20.51	74	61.37	37.5	15.72	61.1	100	80	P	H	
		15960	45.68	-8.32	54	53.56	37.5	15.72	61.1	100	80	A	H	
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			7088	59.48	-8.72	68.2	70.66	36.25	11.34	58.77	100	253	P	V
			10640	47.63	-26.37	74	56.27	39.04	13.04	60.72	-	-	P	V
			15960	58.9	-15.1	74	66.78	37.5	15.72	61.1	100	137	P	V
			15960	50.07	-3.93	54	57.95	37.5	15.72	61.1	100	137	A	V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 52 5260MHz		5148.23	48.81	-25.19	74	43.13	33.2	9.1	36.62	100	289	P	H	
		5105.84	37.44	-16.56	54	31.85	33.2	9.02	36.63	100	289	A	H	
	*	5260	111	-	-	105.46	32.88	9.27	36.61	100	289	P	H	
	*	5260	102.36	-	-	96.82	32.88	9.27	36.61	100	289	A	H	
		5353.74	48.54	-25.46	74	42.85	32.91	9.38	36.6	100	289	P	H	
		5353.11	37.38	-16.62	54	31.69	32.91	9.38	36.6	100	289	A	H	
		5105.57	48.27	-25.73	74	42.68	33.2	9.02	36.63	100	255	P	V	
		5149.85	38.02	-15.98	54	32.34	33.2	9.1	36.62	100	255	A	V	
	*	5260	113.9	-	-	108.36	32.88	9.27	36.61	100	255	P	V	
	*	5260	105.12	-	-	99.58	32.88	9.27	36.61	100	255	A	V	
		5351.43	49.84	-24.16	74	44.17	32.9	9.37	36.6	100	255	P	V	
		5350.8	39.29	-14.71	54	33.62	32.9	9.37	36.6	100	255	A	V	
	802.11ax HE20 Full CH 60 5300MHz		5120	47.89	-26.11	74	42.28	33.2	9.04	36.63	296	304	P	H
			5112.32	37.65	-16.35	54	32.05	33.2	9.03	36.63	296	304	A	H
*		5300	107.62	-	-	102.1	32.8	9.32	36.6	296	304	P	H	
*		5300	100.03	-	-	94.51	32.8	9.32	36.6	296	304	A	H	
		5355.78	50.02	-23.98	74	44.33	32.91	9.38	36.6	296	304	P	H	
		5354.34	40.14	-13.86	54	34.45	32.91	9.38	36.6	296	304	A	H	
		5145.6	48.25	-25.75	74	42.58	33.2	9.09	36.62	100	253	P	V	
		5141.12	38.38	-15.62	54	32.71	33.2	9.09	36.62	100	253	A	V	
*		5300	113.37	-	-	107.85	32.8	9.32	36.6	100	253	P	V	
*		5300	105.9	-	-	100.38	32.8	9.32	36.6	100	253	A	V	
		5350.38	53.99	-20.01	74	48.32	32.9	9.37	36.6	100	253	P	V	
	5350.38	44.44	-9.56	54	38.77	32.9	9.37	36.6	100	253	A	V		





<b>802.11ax HE20 Full CH 64 5320MHz</b>	*	5320	108.33	-	-	102.75	32.84	9.34	36.6	300	344	P	H
	*	5320	99.9	-	-	94.32	32.84	9.34	36.6	300	344	A	H
		5350.56	57.61	-16.39	74	51.94	32.9	9.37	36.6	300	344	P	H
		5350.08	41.42	-12.58	54	35.75	32.9	9.37	36.6	300	344	A	H
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	*	5320	112.54	-	-	106.96	32.84	9.34	36.6	246	262	P	V
	*	5320	104.2	-	-	98.62	32.84	9.34	36.6	246	262	A	V
		5362.4	62.86	-11.14	74	57.15	32.92	9.39	36.6	246	262	P	V
		5350.24	46.95	-7.05	54	41.28	32.9	9.37	36.6	246	262	A	V
												V	
												V	
<b>Remark</b>	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)

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBμV/m), Margin (dB), Limit Line (dBμV/m), Read Level (dBμV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ax HE20 Full CH 52 5260MHz across various frequencies and antenna configurations.



WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE20 Full CH 60 5300MHz		7066	58.73	-9.47	68.2	70.02	36.16	11.32	58.77	100	3	P	H	
		10600	47.93	-26.07	74	56.58	39	13.02	60.67	-	-	P	H	
		15900	55.94	-18.06	74	63.97	37.5	15.7	61.23	100	82	P	H	
		15900	45.48	-8.52	54	53.51	37.5	15.7	61.23	100	82	A	H	
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			7066	59.05	-9.15	68.2	70.34	36.16	11.32	58.77	100	280	P	V
			10600	47.56	-26.44	74	56.21	39	13.02	60.67	-	-	P	V
		15900	61.58	-12.42	74	69.61	37.5	15.7	61.23	100	137	P	V	
		15900	49.88	-4.12	54	57.91	37.5	15.7	61.23	100	137	A	V	
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (dBµV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)		
802.11ax HE20 Full CH 64 5320MHz		7088	57.49	-10.71	68.2	68.67	36.25	11.34	58.77	100	2	P	H		
		10640	47.33	-26.67	74	55.97	39.04	13.04	60.72	-	-	P	H		
		15960	58.92	-15.08	74	66.8	37.5	15.72	61.1	100	81	P	H		
		15960	45.72	-8.28	54	53.6	37.5	15.72	61.1	100	81	A	H		
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	802.11ax HE20 Full CH 64 5320MHz		7088	59.71	-8.49	68.2	70.89	36.25	11.34	58.77	100	256	P	V	
			10640	47.47	-26.53	74	56.11	39.04	13.04	60.72	-	-	P	V	
		15960	59.34	-14.66	74	67.22	37.5	15.72	61.1	100	138	P	V		
		15960	49.84	-4.16	54	57.72	37.5	15.72	61.1	100	138	A	V		
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	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 2 5250~5350MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for frequencies like 5078.72, 5148.8, 5300, 5352.9, 5095.36, 5073.6, 5350.74, and 5352.9.

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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5139.84	50.51	-23.49	74	44.85	33.2	9.08	36.62	294	305	P	H
		5150	38.29	-15.71	54	32.61	33.2	9.1	36.62	294	305	A	H
	*	5270	104.07	-	-	98.54	32.86	9.28	36.61	294	305	P	H
	*	5270	96.79	-	-	91.26	32.86	9.28	36.61	294	305	A	H
		5351.76	58.86	-15.14	74	53.19	32.9	9.37	36.6	294	305	P	H
		5351.76	45.46	-8.54	54	39.79	32.9	9.37	36.6	294	305	A	H
		5148.48	59.04	-14.96	74	53.36	33.2	9.1	36.62	100	261	P	V
		5149.12	44.34	-9.66	54	38.66	33.2	9.1	36.62	100	261	A	V
	*	5270	110.57	-	-	105.04	32.86	9.28	36.61	100	261	P	V
	*	5270	101.81	-	-	96.28	32.86	9.28	36.61	100	261	A	V
		5354.88	62.01	-11.99	74	56.32	32.91	9.38	36.6	100	261	P	V
		5351.52	50.6	-3.4	54	44.93	32.9	9.37	36.6	100	261	A	V
802.11ax HE40 Full CH 62 5310MHz		5081.94	48.81	-25.19	74	43.27	33.2	8.97	36.63	297	296	P	H
		5149.94	37.9	-16.1	54	32.22	33.2	9.1	36.62	297	296	A	H
	*	5310	106.83	-	-	101.28	32.82	9.33	36.6	297	296	P	H
	*	5310	99.31	-	-	93.76	32.82	9.33	36.6	297	296	A	H
		5352.54	57.99	-16.01	74	52.3	32.91	9.38	36.6	297	296	P	H
		5350.02	46.08	-7.92	54	40.41	32.9	9.37	36.6	297	296	A	H
		5093.84	48.08	-25.92	74	42.52	33.2	8.99	36.63	100	259	P	V
		5145.52	38.24	-15.76	54	32.57	33.2	9.09	36.62	100	259	A	V
	*	5310	109.49	-	-	103.94	32.82	9.33	36.6	100	259	P	V
	*	5310	101.67	-	-	96.12	32.82	9.33	36.6	100	259	A	V
	5352.18	62.87	-11.13	74	57.19	32.9	9.38	36.6	100	259	P	V	
	5351.1	48.63	-5.37	54	42.96	32.9	9.37	36.6	100	259	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 54 5270MHz		7022	59.86	-8.34	68.2	71.41	35.93	11.3	58.78	100	7	P	H	
		10540	47.15	-21.05	68.2	55.89	38.88	12.98	60.6	-	-	P	H	
		15810	52.07	-21.93	74	60.05	37.77	15.67	61.42	100	82	P	H	
		15810	43.99	-10.01	54	51.97	37.77	15.67	61.42	100	82	A	H	
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			7022	59.91	-8.29	68.2	71.46	35.93	11.3	58.78	100	282	P	V
			10540	47.6	-20.6	68.2	56.34	38.88	12.98	60.6	-	-	P	V
		15810	57.57	-16.43	74	65.55	37.77	15.67	61.42	100	131	P	V	
		15810	49.34	-4.66	54	57.32	37.77	15.67	61.42	100	131	A	V	
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 62 5310MHz		7077	58.8	-9.4	68.2	70.03	36.21	11.33	58.77	100	3	P	H	
		10620	47.61	-26.39	74	56.26	39.02	13.03	60.7	-	-	P	H	
		15930	52.08	-21.92	74	60.03	37.5	15.71	61.16	100	85	P	H	
		15930	42.11	-11.89	54	50.06	37.5	15.71	61.16	100	85	A	H	
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			7077	60.59	-7.61	68.2	71.82	36.21	11.33	58.77	104	257	P	V
			10620	47.81	-26.19	74	56.46	39.02	13.03	60.7	-	-	P	V
			15930	54.75	-19.25	74	62.7	37.5	15.71	61.16	102	140	P	V
			15930	45.06	-8.94	54	53.01	37.5	15.71	61.16	102	140	A	V
														V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													





**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE40 Partial 242/62 CH 62 5310MHz</b>		5112.88	48.51	-25.49	74	42.91	33.2	9.03	36.63	100	303	P	H
		5146.88	37.51	-16.49	54	31.83	33.2	9.1	36.62	100	303	A	H
	*	5310	109.28	-	-	103.73	32.82	9.33	36.6	100	303	P	H
	*	5310	100.57	-	-	95.02	32.82	9.33	36.6	100	303	A	H
		5353.26	67.22	-6.78	74	61.53	32.91	9.38	36.6	100	303	P	H
		5357.04	48.31	-5.69	54	42.62	32.91	9.38	36.6	100	303	A	H
		5143.82	53.41	-20.59	74	47.74	33.2	9.09	36.62	100	264	P	V
		5149.94	38.3	-15.7	54	32.62	33.2	9.1	36.62	100	264	A	V
	*	5310	110.35	-	-	104.8	32.82	9.33	36.6	100	264	P	V
	*	5310	102.25	-	-	96.7	32.82	9.33	36.6	100	264	A	V
	5353.08	71.71	-2.29	74	66.02	32.91	9.38	36.6	100	264	P	V	
	5350.2	51.44	-2.56	54	45.77	32.9	9.37	36.6	100	264	A	V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE80 Full CH 58 5290MHz</b>		5142.8	49.7	-24.3	74	44.03	33.2	9.09	36.62	100	303	P	H
		5143.48	38.45	-15.55	54	32.78	33.2	9.09	36.62	100	303	A	H
	*	5290	105.72	-	-	100.21	32.82	9.3	36.61	100	303	P	H
	*	5290	95.8	-	-	90.29	32.82	9.3	36.61	100	303	A	H
		5353.96	59.74	-14.26	74	54.05	32.91	9.38	36.6	100	303	P	H
		5363.2	48.25	-5.75	54	42.53	32.93	9.39	36.6	100	303	A	H
		5148.92	49.95	-24.05	74	44.27	33.2	9.1	36.62	100	253	P	V
		5149.26	40.28	-13.72	54	34.6	33.2	9.1	36.62	100	253	A	V
	*	5290	108.93	-	-	103.42	32.82	9.3	36.61	100	253	P	V
	*	5290	99.77	-	-	94.26	32.82	9.3	36.61	100	253	A	V
		5350.44	60.76	-13.24	74	55.09	32.9	9.37	36.6	100	253	P	V
		5359.9	51.77	-2.23	54	46.07	32.92	9.38	36.6	100	253	A	V
<b>Remark</b>	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)

Table with columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ax HE80 Full CH 58 5290MHz at frequencies 7055, 10580, and 15870 MHz.

Remark

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



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

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE80 Partial 484/66 CH 58 5290MHz</b>		5137.7	52.71	-21.29	74	47.05	33.2	9.08	36.62	100	220	P	H
		5147.56	38.85	-15.15	54	33.17	33.2	9.1	36.62	100	220	A	H
	*	5290	105.23	-	-	99.72	32.82	9.3	36.61	100	220	P	H
	*	5290	97.33	-	-	91.82	32.82	9.3	36.61	100	220	A	H
		5377.5	67.8	-6.2	74	62.03	32.96	9.4	36.59	100	220	P	H
		5372	46.21	-7.79	54	40.47	32.94	9.4	36.6	100	220	A	H
		5147.22	58.12	-15.88	74	52.44	33.2	9.1	36.62	100	247	P	V
		5149.6	40.04	-13.96	54	34.36	33.2	9.1	36.62	100	247	A	V
	*	5290	108.05	-	-	102.54	32.82	9.3	36.61	100	247	P	V
	*	5290	100.14	-	-	94.63	32.82	9.3	36.61	100	247	A	V
		5384.1	72.19	-1.81	74	66.4	32.97	9.41	36.59	100	247	P	V
		5378.82	51.36	-2.64	54	45.58	32.96	9.41	36.59	100	247	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5121.04	55.64	-18.36	74	50.02	33.2	9.05	36.63	292	299	P	H
		5140.76	48.3	-5.7	54	42.64	33.2	9.08	36.62	292	299	A	H
	*	5250	101.44	-	-	95.89	32.9	9.26	36.61	292	299	P	H
	*	5250	93.15	-	-	87.6	32.9	9.26	36.61	292	299	A	H
		5370.6	59.78	-14.22	74	54.04	32.94	9.4	36.6	292	299	P	H
		5361.6	50.14	-3.86	54	44.43	32.92	9.39	36.6	292	299	A	H
		5142.46	59.08	-14.92	74	53.41	33.2	9.09	36.62	100	255	P	V
		5148.92	49.64	-4.36	54	43.96	33.2	9.1	36.62	100	255	A	V
	*	5250	104.18	-	-	98.63	32.9	9.26	36.61	100	255	P	V
	*	5250	94.6	-	-	89.05	32.9	9.26	36.61	100	255	A	V
		5370.9	59.34	-14.66	74	53.6	32.94	9.4	36.6	100	255	P	V
		5360.1	51.74	-2.26	54	46.04	32.92	9.38	36.6	100	255	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 HE160 Full (Harmonic @ 3m)

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		7000	56.63	-11.57	68.2	68.32	35.8	11.29	58.78	100	10	P	H
		10500	46.68	-21.52	68.2	55.47	38.8	12.96	60.55	-	-	P	H
		15750	47.18	-26.82	74	55.38	37.7	15.65	61.55	-	-	P	H
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			7000	55.84	-12.36	68.2	67.53	35.8	11.29	58.78	100	299	P
		10500	46.62	-21.58	68.2	55.41	38.8	12.96	60.55	-	-	P	V
		15750	46.25	-27.75	74	54.45	37.7	15.65	61.55	-	-	P	V
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Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5121.72	51.52	-22.48	74	45.9	33.2	9.05	36.63	100	221	P	H
		5121.38	42.67	-11.33	54	37.05	33.2	9.05	36.63	100	221	A	H
	*	5250	99.5	-	-	93.95	32.9	9.26	36.61	100	221	P	H
	*	5250	90.12	-	-	84.57	32.9	9.26	36.61	100	221	A	H
		5391.9	55.63	-18.37	74	49.82	32.98	9.42	36.59	100	221	P	H
		5392.2	47.26	-6.74	54	41.45	32.98	9.42	36.59	100	221	A	H
		5125.8	57.11	-16.89	74	51.47	33.2	9.06	36.62	100	255	P	V
		5125.46	46.15	-7.85	54	40.52	33.2	9.05	36.62	100	255	A	V
	*	5250	100.14	-	-	94.59	32.9	9.26	36.61	100	255	P	V
	*	5250	91.77	-	-	86.22	32.9	9.26	36.61	100	255	A	V
		5391	61.48	-12.52	74	55.67	32.98	9.42	36.59	100	255	P	V
		5395.8	52.75	-1.25	54	46.92	32.99	9.43	36.59	100	255	A	V
802.11ax HE160 Partial 996/68 CH 50 5250MHz		5121.38	56.14	-17.86	74	50.52	33.2	9.05	36.63	100	212	P	H
		5121.38	43.04	-10.96	54	37.42	33.2	9.05	36.63	100	212	A	H
	*	5250	99.61	-	-	94.06	32.9	9.26	36.61	100	212	P	H
	*	5250	90.32	-	-	84.77	32.9	9.26	36.61	100	212	A	H
		5396.4	57.98	-16.02	74	52.15	32.99	9.43	36.59	100	212	P	H
		5396.1	46.23	-7.77	54	40.4	32.99	9.43	36.59	100	212	A	H
		5121.72	62.51	-11.49	74	56.89	33.2	9.05	36.63	100	258	P	V
		5126.82	47.7	-6.3	54	42.06	33.2	9.06	36.62	100	258	A	V
	*	5250	102.05	-	-	96.5	32.9	9.26	36.61	100	258	P	V
	*	5250	94.06	-	-	88.51	32.9	9.26	36.61	100	258	A	V
	5396.1	65.32	-8.68	74	59.49	32.99	9.43	36.59	100	258	P	V	
	5396.1	52.64	-1.36	54	46.81	32.99	9.43	36.59	100	258	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5458.8	50.58	-23.42	74	44.7	33	9.46	36.58	300	312	P	H	
		5469.34	61.63	-6.57	68.2	55.75	33	9.46	36.58	300	312	P	H	
		5459.99	42.28	-11.72	54	36.4	33	9.46	36.58	300	312	A	H	
	*	5500	110.45	-	-	104.55	33	9.48	36.58	300	312	P	H	
	*	5500	104.04	-	-	98.14	33	9.48	36.58	300	312	A	H	
														H
			5459.65	52.93	-21.07	74	47.05	33	9.46	36.58	100	252	P	V
			5470	65.28	-2.92	68.2	59.4	33	9.46	36.58	100	252	P	V
			5459.99	44.66	-9.34	54	38.78	33	9.46	36.58	100	252	A	V
	*		5500	112.62	-	-	106.72	33	9.48	36.58	100	252	P	V
	*		5500	105.99	-	-	100.09	33	9.48	36.58	100	252	A	V
														V
802.11a CH 116 5580MHz		5393.25	47.41	-26.59	74	41.59	32.99	9.42	36.59	290	301	P	H	
		5470	47.52	-20.68	68.2	41.64	33	9.46	36.58	290	301	P	H	
		5459.92	38.82	-15.18	54	32.94	33	9.46	36.58	290	301	A	H	
	*	5580	110.12	-	-	104.22	32.96	9.51	36.57	290	301	P	H	
	*	5580	103.43	-	-	97.53	32.96	9.51	36.57	290	301	A	H	
			5756.495	48.12	-20.08	68.2	41.05	34.03	9.59	36.55	290	301	P	H
			5435.75	50.37	-23.63	74	44.51	33	9.45	36.59	100	263	P	V
			5461.5	47.5	-20.7	68.2	41.62	33	9.46	36.58	100	263	P	V
			5459.92	39.79	-14.21	54	33.91	33	9.46	36.58	100	263	A	V
	*		5580	113.2	-	-	107.3	32.96	9.51	36.57	100	263	P	V
	*		5580	106.6	-	-	100.7	32.96	9.51	36.57	100	263	A	V
			5759.96	48.06	-20.14	68.2	40.98	34.04	9.59	36.55	100	263	P	V





<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	109.46	-	-	102.75	33.7	9.57	36.56	304	312	P	H
	*	5700	102.83	-	-	96.12	33.7	9.57	36.56	304	312	A	H
		5725.4	63.77	-4.43	68.2	56.89	33.85	9.58	36.55	304	312	P	H
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	*	5700	112.14	-	-	105.43	33.7	9.57	36.56	100	239	P	V
	*	5700	104.92	-	-	98.21	33.7	9.57	36.56	100	239	A	V
		5727.575	66.7	-1.5	68.2	59.8	33.87	9.58	36.55	100	239	P	V
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													V
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		11000	47.91	-26.09	74	56.94	38.9	13.23	61.16	-	-	P	H	
		16500	50.56	-17.64	68.2	56.27	38.1	16.06	59.87	100	56	P	H	
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			11000	47.69	-26.31	74	56.72	38.9	13.23	61.16	-	-	P	V
			16500	56.87	-11.33	68.2	62.58	38.1	16.06	59.87	100	281	P	V
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	45.86	-28.14	74	55.04	38.82	13.32	61.32	-	-	P	H
		16740	48.85	-19.35	68.2	53.92	38	16.22	59.29	100	13	P	H
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			11160	47.36	-26.64	74	56.54	38.82	13.32	61.32	-	-	P
		16740	53.24	-14.96	68.2	58.31	38	16.22	59.29	105	209	P	V
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (dBµV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		11400	47.61	-26.39	74	56.71	39	13.45	61.55	-	-	P	H
		17100	53.18	-15.02	68.2	57.17	37.9	16.45	58.34	100	28	P	H
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			11400	47.72	-26.28	74	56.82	39	13.45	61.55	-	-	P
		17100	60.73	-7.47	68.2	64.72	37.9	16.45	58.34	102	304	P	V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5454.89	61.83	-12.17	74	55.97	33	9.45	36.59	300	296	P	H
		5468.49	67.03	-1.17	68.2	61.15	33	9.46	36.58	300	296	P	H
		5459.99	46.66	-7.34	54	40.78	33	9.46	36.58	300	296	A	H
	*	5500	109.64	-	-	103.74	33	9.48	36.58	300	296	P	H
	*	5500	102.95	-	-	97.05	33	9.48	36.58	300	296	A	H
		5455.91	64.87	-9.13	74	59	33	9.46	36.59	100	257	P	V
		5465.77	63.94	-4.26	68.2	58.06	33	9.46	36.58	100	257	P	V
		5459.99	45.41	-8.59	54	39.53	33	9.46	36.58	100	257	A	V
	*	5500	113.39	-	-	107.49	33	9.48	36.58	100	257	P	V
	*	5500	106.02	-	-	100.12	33	9.48	36.58	100	257	A	V
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802.11ax HE20 Full CH 116 5580MHz		5394.5	47.18	-26.82	74	41.36	32.99	9.42	36.59	300	311	P	H
		5464.5	46.93	-21.27	68.2	41.05	33	9.46	36.58	300	311	P	H
		5458.96	38.67	-15.33	54	32.79	33	9.46	36.58	300	311	A	H
	*	5580	110.82	-	-	104.92	32.96	9.51	36.57	300	311	P	H
	*	5580	103.52	-	-	97.62	32.96	9.51	36.57	300	311	A	H
		5731.61	47.88	-20.32	68.2	40.96	33.89	9.58	36.55	300	311	P	H
		5448.5	47.42	-26.58	74	41.56	33	9.45	36.59	100	251	P	V
		5467.5	47.64	-20.56	68.2	41.76	33	9.46	36.58	100	251	P	V
		5459.68	39.44	-14.56	54	33.56	33	9.46	36.58	100	251	A	V
	*	5580	111.03	-	-	105.13	32.96	9.51	36.57	100	251	P	V
	*	5580	105	-	-	99.1	32.96	9.51	36.57	100	251	A	V
		5727.2	48.39	-19.81	68.2	41.5	33.86	9.58	36.55	100	251	P	V



<b>802.11ax HE20 Full CH 140 5700MHz</b>	*	5700	107	-	-	100.29	33.7	9.57	36.56	314	215	P	H
	*	5700	99.51	-	-	92.8	33.7	9.57	36.56	314	215	A	H
		5725.4	62.04	-6.16	68.2	55.16	33.85	9.58	36.55	314	215	P	H
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													H
	*	5700	109.99	-	-	103.28	33.7	9.57	36.56	100	7	P	V
	*	5700	101.88	-	-	95.17	33.7	9.57	36.56	100	7	A	V
		5727.8	62.61	-5.59	68.2	55.71	33.87	9.58	36.55	100	7	P	V
													V
												V	
												V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 100 5500MHz		11000	46.78	-27.22	74	55.81	38.9	13.23	61.16	-	-	P	H	
		16500	49.84	-18.36	68.2	55.55	38.1	16.06	59.87	100	45	P	H	
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													H	
			11000	47.96	-26.04	74	56.99	38.9	13.23	61.16	-	-	P	V
			16500	56.68	-11.52	68.2	62.39	38.1	16.06	59.87	100	332	P	V
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		7814	46.48	-21.72	68.2	56.69	36.83	11.52	58.56	100	9	P	H
		11160	46.48	-27.52	74	55.66	38.82	13.32	61.32	-	-	P	H
		16740	51.35	-16.85	68.2	56.42	38	16.22	59.29	100	30	P	H
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CH 116 5580MHz		7814	50.94	-17.26	68.2	61.15	36.83	11.52	58.56	100	299	P	V
		11160	47.96	-26.04	74	57.14	38.82	13.32	61.32	-	-	P	V
		16740	59.61	-8.59	68.2	64.68	38	16.22	59.29	100	337	P	V
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 140 5700MHz		11400	47.86	-26.14	74	56.96	39	13.45	61.55	-	-	P	H	
		17100	46.94	-21.26	68.2	50.93	37.9	16.45	58.34	-	-	P	H	
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	Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5459.31	53.62	-20.38	74	47.74	33	9.46	36.58	100	224	P	H	
		5469.51	54.37	-13.83	68.2	48.49	33	9.46	36.58	100	224	P	H	
		5459.31	39.35	-14.65	54	33.47	33	9.46	36.58	100	224	A	H	
	*	5500	109.57	-	-	103.67	33	9.48	36.58	100	224	P	H	
	*	5500	101.9	-	-	96	33	9.48	36.58	100	224	A	H	
														H
			5458.8	53.8	-20.2	74	47.92	33	9.46	36.58	100	15	P	V
			5470	55.27	-12.93	68.2	49.39	33	9.46	36.58	100	15	P	V
			5459.82	39.58	-14.42	54	33.7	33	9.46	36.58	100	15	A	V
		*	5500	111.32	-	-	105.42	33	9.48	36.58	100	15	P	V
	*	5500	103.96	-	-	98.06	33	9.48	36.58	100	15	A	V	
													V	
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	108.72	-	-	102.01	33.7	9.57	36.56	100	318	P	H	
	*	5700	101.48	-	-	94.77	33.7	9.57	36.56	100	318	A	H	
		5725.55	60.51	-7.69	68.2	53.63	33.85	9.58	36.55	100	318	P	H	
														H
														H
														H
	*	5700	111.35	-	-	104.64	33.7	9.57	36.56	100	9	9	P	V
	*	5700	103.09	-	-	96.38	33.7	9.57	36.56	100	9	9	A	V
		5726.9	61.92	-6.28	68.2	55.03	33.86	9.58	36.55	100	9	P	V	
													V	
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													V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ax HE40 Full CH 102 5510MHz		5458.99	60.48	-13.52	74	54.6	33	9.46	36.58	254	222	P	H
		5462.77	64.52	-3.68	68.2	58.64	33	9.46	36.58	254	222	P	H
		5460	47.63	-6.37	54	41.75	33	9.46	36.58	254	222	A	H
	*	5510	104.13	-	-	98.25	32.98	9.48	36.58	254	222	P	H
	*	5510	97.17	-	-	91.29	32.98	9.48	36.58	254	222	A	H
		5759.33	47.63	-20.57	68.2	40.55	34.04	9.59	36.55	254	222	P	H
		5458.15	64.04	-9.96	74	58.17	33	9.46	36.59	100	14	P	V
		5468.23	66.69	-1.51	68.2	60.81	33	9.46	36.58	100	14	P	V
		5459.2	48.22	-5.78	54	42.34	33	9.46	36.58	100	14	A	V
	*	5510	108.95	-	-	103.07	32.98	9.48	36.58	100	14	P	V
	*	5510	101.09	-	-	95.21	32.98	9.48	36.58	100	14	A	V
	5760.275	50.35	-17.85	68.2	43.27	34.04	9.59	36.55	100	14	P	V	
802.11ax HE40 Full CH 110 5550MHz		5450.32	58.64	-15.36	74	52.78	33	9.45	36.59	248	212	P	H
		5464.84	60.39	-7.81	68.2	54.51	33	9.46	36.58	248	212	P	H
		5460	47	-7	54	41.12	33	9.46	36.58	248	212	A	H
	*	5550	106.65	-	-	100.82	32.9	9.5	36.57	248	212	P	H
	*	5550	99.5	-	-	93.67	32.9	9.5	36.57	248	212	A	H
		5759.96	51.02	-17.18	68.2	43.94	34.04	9.59	36.55	248	212	P	H
		5439.32	59.45	-14.55	74	53.59	33	9.45	36.59	100	14	P	V
		5467.7	61.89	-6.31	68.2	56.01	33	9.46	36.58	100	14	P	V
		5459.78	47.98	-6.02	54	42.1	33	9.46	36.58	100	14	A	V
	*	5550	109.97	-	-	104.14	32.9	9.5	36.57	100	14	P	V
	*	5550	101.93	-	-	96.1	32.9	9.5	36.57	100	14	A	V
	5760.275	51.76	-16.44	68.2	44.68	34.04	9.59	36.55	100	14	P	V	



<b>802.11ax</b> <b>HE40 Full</b> <b>CH 134</b> <b>5670MHz</b>		5416.85	47.78	-26.22	74	41.93	33	9.44	36.59	100	24	P	V
		5460.95	46.34	-21.86	68.2	40.46	33	9.46	36.58	100	24	P	V
		5356.65	40.04	-13.96	54	34.35	32.91	9.38	36.6	100	24	A	V
	*	5670	110.06	-	-	103.73	33.34	9.55	36.56	100	24	P	V
	*	5670	103.77	-	-	97.44	33.34	9.55	36.56	100	24	A	V
		5728.6	63.9	-4.3	68.2	57	33.87	9.58	36.55	100	24	P	V
		5377.3	45.95	-28.05	74	40.19	32.95	9.4	36.59	302	318	P	H
		5466.9	45.17	-23.03	68.2	39.29	33	9.46	36.58	302	318	P	H
		5443.1	39.54	-14.46	54	33.68	33	9.45	36.59	302	318	A	H
	*	5670	108.83	-	-	102.5	33.34	9.55	36.56	302	318	P	H
	*	5670	101.59	-	-	95.26	33.34	9.55	36.56	302	318	A	H
		5726.5	62.3	-5.9	68.2	55.41	33.86	9.58	36.55	302	318	P	H
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE40 Full CH 102 5510MHz		11020	47.47	-26.53	74	56.55	38.86	13.24	61.18	-	-	P	H	
		16530	46.93	-21.27	68.2	52.61	38.04	16.08	59.8	-	-	P	H	
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			11020	46.7	-27.3	74	55.78	38.86	13.24	61.18	-	-	P	V
			16530	47.27	-20.93	68.2	52.95	38.04	16.08	59.8	-	-	P	V
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WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 110 5550MHz		11100	47.54	-26.46	74	56.81	38.7	13.29	61.26	-	-	P	H	
		16650	48.35	-19.85	68.2	53.75	37.95	16.16	59.51	100	12	P	H	
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			11100	47.43	-26.57	74	56.7	38.7	13.29	61.26	-	-	P	V
			16650	53.64	-14.56	68.2	59.04	37.95	16.16	59.51	100	325	P	V
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE40 Full CH 134 5670MHz		11340	47.41	-26.59	74	56.48	39	13.42	61.49	-	-	P	H	
		17010	48.96	-19.24	68.2	53.49	37.72	16.39	58.64	100	49	P	H	
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			11340	47.05	-26.95	74	56.12	39	13.42	61.49	-	-	P	V
			17010	54.34	-13.86	68.2	58.87	37.72	16.39	58.64	108	341	P	V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5455.84	64.33	-9.67	74	58.46	33	9.46	36.59	100	210	P	H
		5465.92	64.22	-3.98	68.2	58.34	33	9.46	36.58	100	210	P	H
		5451.22	43.65	-10.35	54	37.79	33	9.45	36.59	100	210	A	H
	*	5510	106.7	-	-	100.82	32.98	9.48	36.58	100	210	P	H
	*	5510	97.88	-	-	92	32.98	9.48	36.58	100	210	A	H
		5747.36	62.61	-5.59	68.2	55.59	33.98	9.59	36.55	100	210	P	H
		5455.21	67.39	-6.61	74	61.53	33	9.45	36.59	114	12	P	V
		5469.28	67	-1.2	68.2	61.12	33	9.46	36.58	114	12	P	V
		5455.42	48.13	-5.87	54	42.27	33	9.45	36.59	114	12	A	V
	*	5510	107.45	-	-	101.57	32.98	9.48	36.58	114	12	P	V
	*	5510	99.37	-	-	93.49	32.98	9.48	36.58	114	12	A	V
		5759.96	51.68	-16.52	68.2	44.6	34.04	9.59	36.55	114	12	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5372.4	47.23	-26.77	74	41.49	32.94	9.4	36.6	100	318	P	H
		5464.8	44.07	-24.13	68.2	38.19	33	9.46	36.58	100	318	P	H
		5443.8	39.06	-14.94	54	33.2	33	9.45	36.59	100	318	A	H
	*	5670	108.09	-	-	101.76	33.34	9.55	36.56	100	318	P	H
	*	5670	100.02	-	-	93.69	33.34	9.55	36.56	100	318	A	H
		5728.425	62.01	-6.19	68.2	55.11	33.87	9.58	36.55	100	318	P	H
		5391.65	46.7	-27.3	74	40.89	32.98	9.42	36.59	100	25	P	V
		5467.25	45.21	-22.99	68.2	39.33	33	9.46	36.58	100	25	P	V
		5375.9	39.68	-14.32	54	33.92	32.95	9.4	36.59	100	25	A	V
	*	5670	109.25	-	-	102.92	33.34	9.55	36.56	100	25	P	V
*	5670	101.93	-	-	95.6	33.34	9.55	36.56	100	25	A	V	
	5729.125	63.93	-4.27	68.2	57.03	33.87	9.58	36.55	100	25	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5425.21	62.5	-11.5	74	56.65	33	9.44	36.59	100	209	P	H
		5462.01	63.01	-5.19	68.2	57.13	33	9.46	36.58	100	209	P	H
		5455.57	50.64	-3.36	54	44.77	33	9.46	36.59	100	209	A	H
	*	5530	102.79	-	-	96.94	32.94	9.49	36.58	100	209	P	H
	*	5530	94.74	-	-	88.89	32.94	9.49	36.58	100	209	A	H
		5760.275	49.77	-18.43	68.2	42.69	34.04	9.59	36.55	100	209	P	H
		5455.11	62.27	-11.73	74	56.41	33	9.45	36.59	100	20	P	V
		5463.85	63.8	-4.4	68.2	57.92	33	9.46	36.58	100	20	P	V
		5455.8	52.49	-1.51	54	46.62	33	9.46	36.59	100	20	A	V
	*	5530	106.68	-	-	100.83	32.94	9.49	36.58	100	20	P	V
	*	5530	98.09	-	-	92.24	32.94	9.49	36.58	100	20	A	V
	5734.13	49.72	-18.48	68.2	42.79	33.9	9.58	36.55	100	20	P	V	
802.11ax HE80 Full CH 122 5610MHz		5441.2	57.6	-16.4	74	51.74	33	9.45	36.59	100	239	P	V
		5468.8	59.14	-9.06	68.2	53.26	33	9.46	36.58	100	239	P	V
		5453.5	47.35	-6.65	54	41.49	33	9.45	36.59	100	239	A	V
	*	5610	108.28	-	-	102.31	33.02	9.52	36.57	100	239	P	V
	*	5610	99.73	-	-	93.76	33.02	9.52	36.57	100	239	A	V
		5725.31	60.38	-7.82	68.2	53.5	33.85	9.58	36.55	100	239	P	V
		5452.3	56.73	-17.27	74	50.87	33	9.45	36.59	100	315	P	H
		5468.2	57.54	-10.66	68.2	51.66	33	9.46	36.58	100	315	P	H
		5460	46.03	-7.97	54	40.15	33	9.46	36.58	100	315	A	H
	*	5610	107.31	-	-	101.34	33.02	9.52	36.57	100	315	P	H
	*	5610	97.29	-	-	91.32	33.02	9.52	36.57	100	315	A	H
	5726.255	63.08	-5.12	68.2	56.19	33.86	9.58	36.55	100	315	P	H	
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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 106 5530MHz		11060	47.64	-26.36	74	56.82	38.78	13.26	61.22	-	-	P	H	
		16590	47.21	-20.99	68.2	52.82	37.92	16.12	59.65	-	-	P	H	
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			11060	47.82	-26.18	74	57	38.78	13.26	61.22	-	-	P	V
			16590	47.68	-20.52	68.2	53.29	37.92	16.12	59.65	-	-	P	V
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WiFi Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 122 5610MHz		11220	46.79	-27.21	74	55.9	38.92	13.35	61.38	-	-	P	H
		16830	47.85	-20.35	68.2	52.72	37.94	16.27	59.08	-	-	P	H
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	5610MHz		11220	46.83	-27.17	74	55.94	38.92	13.35	61.38	-	-	P
		16830	48.9	-19.3	68.2	53.77	37.94	16.27	59.08	-	-	P	V
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Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5459.25	62.47	-11.53	74	56.59	33	9.46	36.58	100	205	P	H
		5469.83	64.71	-3.49	68.2	58.83	33	9.46	36.58	100	205	P	H
		5459.25	42.73	-11.27	54	36.85	33	9.46	36.58	100	205	A	H
	*	5530	101.96	-	-	96.11	32.94	9.49	36.58	100	205	P	H
	*	5530	94.4	-	-	88.55	32.94	9.49	36.58	100	205	A	H
		5764.37	49.06	-19.14	68.2	41.96	34.06	9.59	36.55	100	205	P	H
		5459.02	62.27	-11.73	74	56.39	33	9.46	36.58	100	227	P	V
		5469.83	65.92	-2.28	68.2	60.04	33	9.46	36.58	100	227	P	V
		5459.94	43.52	-10.48	54	37.64	33	9.46	36.58	100	227	A	V
	*	5530	104.83	-	-	98.98	32.94	9.49	36.58	100	227	P	V
	*	5530	97.79	-	-	91.94	32.94	9.49	36.58	100	227	A	V
	5748.62	50.12	-18.08	68.2	43.09	33.99	9.59	36.55	100	227	P	V	
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5441.5	60.13	-13.87	74	54.27	33	9.45	36.59	100	318	P	H
		5468.5	56.52	-11.68	68.2	50.64	33	9.46	36.58	100	318	P	H
		5441.5	39.19	-14.81	54	33.33	33	9.45	36.59	100	318	A	H
	*	5610	106.53	-	-	100.56	33.02	9.52	36.57	100	318	P	H
	*	5610	98.58	-	-	92.61	33.02	9.52	36.57	100	318	A	H
		5736.965	64.21	-3.99	68.2	57.26	33.92	9.58	36.55	100	318	P	H
		5446.6	61.21	-12.79	74	55.35	33	9.45	36.59	100	24	P	V
		5470	57.63	-10.57	68.2	51.75	33	9.46	36.58	100	24	P	V
		5442.7	43.25	-10.75	54	37.39	33	9.45	36.59	100	24	A	V
	*	5610	110.31	-	-	104.34	33.02	9.52	36.57	100	24	P	V
	*	5610	100.9	-	-	94.93	33.02	9.52	36.57	100	24	A	V
	5735.075	66.56	-1.64	68.2	59.62	33.91	9.58	36.55	100	24	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5440.83	57.38	-16.62	74	51.52	33	9.45	36.59	257	301	P	H
		5465.63	55.8	-12.4	68.2	49.92	33	9.46	36.58	257	301	P	H
		5453.54	48.58	-5.42	54	42.72	33	9.45	36.59	257	301	A	H
	*	5570	100.42	-	-	94.54	32.94	9.51	36.57	257	301	P	H
	*	5570	91.68	-	-	85.8	32.94	9.51	36.57	257	301	A	H
		5725.94	54.12	-14.08	68.2	47.23	33.86	9.58	36.55	257	301	P	H
		5453.54	61.14	-12.86	74	55.28	33	9.45	36.59	100	255	P	V
		5460.36	59.2	-9	68.2	53.32	33	9.46	36.58	100	255	P	V
		5451.99	51.63	-2.37	54	45.77	33	9.45	36.59	100	255	A	V
	*	5570	102.94	-	-	97.06	32.94	9.51	36.57	100	255	P	V
*	5570	94.31	-	-	88.43	32.94	9.51	36.57	100	255	A	V	
		5725	52.45	-15.75	68.2	45.57	33.85	9.58	36.55	100	255	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		11140	47.91	-26.09	74	57.12	38.78	13.31	61.3	-	-	P	H	
		16710	47.43	-20.77	68.2	52.61	38	16.19	59.37	-	-	P	H	
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			11140	47.41	-26.59	74	56.62	38.78	13.31	61.3	-	-	P	V
			16710	48.18	-20.02	68.2	53.36	38	16.19	59.37	-	-	P	V
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<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE160 Partial 996/67 CH 114 5570MHz</b>		5438.97	61.54	-12.46	74	55.68	33	9.45	36.59	100	296	P	H
		5464.39	57.9	-10.3	68.2	52.02	33	9.46	36.58	100	296	P	H
		5444.24	49.54	-4.46	54	43.68	33	9.45	36.59	100	296	A	H
	*	5570	101.3	-	-	95.42	32.94	9.51	36.57	100	296	P	H
	*	5570	91.17	-	-	85.29	32.94	9.51	36.57	100	296	A	H
		5725.625	61.6	-6.6	68.2	54.72	33.85	9.58	36.55	100	296	P	H
		5445.79	63.65	-10.35	74	57.79	33	9.45	36.59	100	251	P	V
		5464.39	57.64	-10.56	68.2	51.76	33	9.46	36.58	100	251	P	V
		5445.17	51.35	-2.65	54	45.49	33	9.45	36.59	100	251	A	V
	*	5570	101.06	-	-	95.18	32.94	9.51	36.57	100	251	P	V
	*	5570	92.15	-	-	86.27	32.94	9.51	36.57	100	251	A	V
		5725.31	54.54	-13.66	68.2	47.66	33.85	9.58	36.55	100	251	P	V
<b>Remark</b>	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.	
7+8		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
<b>802.11a CH 144 5720MHz</b>		5379.64	47.45	-26.55	74	41.67	32.96	9.41	36.59	303	316	P	H
		5460.2	46.09	-22.11	68.2	40.21	33	9.46	36.58	303	316	P	H
		5413.46	37.75	-16.25	54	31.9	33	9.44	36.59	303	316	A	H
	*	5720	109.93	-	-	103.09	33.82	9.57	36.55	303	316	P	H
	*	5720	102.92	-	-	96.08	33.82	9.57	36.55	303	316	A	H
		5913.08	49.18	-19.02	68.2	41.7	34.25	9.76	36.53	303	316	P	H
		5416.88	47.37	-26.63	74	41.52	33	9.44	36.59	100	24	P	V
		5465.52	46.37	-21.83	68.2	40.49	33	9.46	36.58	100	24	P	V
		5410.04	38.77	-15.23	54	32.93	33	9.43	36.59	100	24	A	V
	*	5720	112.25	-	-	105.41	33.82	9.57	36.55	100	24	P	V
	*	5720	105.07	-	-	98.23	33.82	9.57	36.55	100	24	A	V
		5874.6	49.91	-18.29	68.2	42.49	34.25	9.71	36.54	100	24	P	V
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.86	-26.14	74	56.97	39	13.48	61.59	-	-	P	H
		17160	57.26	-10.94	68.2	60.97	37.96	16.48	58.15	100	78	P	H
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			11440	47.59	-26.41	74	56.7	39	13.48	61.59	-	-	P
		17160	64.36	-3.84	68.2	68.07	37.96	16.48	58.15	100	136	P	V
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<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5383.82	46.67	-27.33	74	40.88	32.97	9.41	36.59	289	314	P	H
		5460.96	46.56	-21.64	68.2	40.68	33	9.46	36.58	289	314	P	H
		5413.84	37.63	-16.37	54	31.78	33	9.44	36.59	289	314	A	H
	*	5720	108.81	-	-	101.97	33.82	9.57	36.55	289	314	P	H
	*	5720	101.49	-	-	94.65	33.82	9.57	36.55	289	314	A	H
		5908.4	49.9	-18.3	68.2	42.4	34.27	9.76	36.53	289	314	P	H
		5390.66	46.96	-27.04	74	41.15	32.98	9.42	36.59	100	26	P	V
		5464.38	45.95	-22.25	68.2	40.07	33	9.46	36.58	100	26	P	V
		5407.76	38.32	-15.68	54	32.48	33	9.43	36.59	100	26	A	V
	*	5720	111.73	-	-	104.89	33.82	9.57	36.55	100	26	P	V
	*	5720	104.66	-	-	97.82	33.82	9.57	36.55	100	26	A	V
		5910.22	50.49	-17.71	68.2	43	34.26	9.76	36.53	100	26	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)

Table with columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ax HE20 Full CH 144 5720MHz and a Remark section.



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

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
<b>802.11ax HE40 Full CH 142 5710MHz</b>		5428.39	47.71	-26.29	74	41.86	33	9.44	36.59	299	318	P	H
		5461.93	45.3	-22.9	68.2	39.42	33	9.46	36.58	299	318	P	H
		5394.85	38.23	-15.77	54	32.41	32.99	9.42	36.59	299	318	A	H
	*	5710	106.44	-	-	99.66	33.76	9.57	36.55	299	318	P	H
	*	5710	99.33	-	-	92.55	33.76	9.57	36.55	299	318	A	H
		5855.75	56.96	-11.24	68.2	49.6	34.21	9.69	36.54	299	318	P	H
		5361.7	47.46	-26.54	74	41.75	32.92	9.39	36.6	100	27	P	V
		5468.56	46.93	-21.27	68.2	41.05	33	9.46	36.58	100	27	P	V
		5395.63	38.85	-15.15	54	33.03	32.99	9.42	36.59	100	27	A	V
	*	5710	111.24	-	-	104.46	33.76	9.57	36.55	100	27	P	V
*	5710	103.47	-	-	96.69	33.76	9.57	36.55	100	27	A	V	
		5861.75	60.81	-7.39	68.2	53.44	34.22	9.69	36.54	100	27	P	V
<b>Remark</b>	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 (Band Edge @ 3m)**

WIFI Ant. 7+8	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
<b>802.11ax HE80 Full CH 138 5690MHz</b>		5454.91	52.86	-21.14	74	47	33	9.45	36.59	268	0	P	H
		5465.44	51.85	-16.35	68.2	45.97	33	9.46	36.58	268	0	P	H
		5454.52	41.77	-12.23	54	35.91	33	9.45	36.59	268	0	A	H
	*	5690	104.67	-	-	98.09	33.58	9.56	36.56	268	0	P	H
	*	5690	96.94	-	-	90.36	33.58	9.56	36.56	268	0	A	H
		5866	62.93	-5.27	68.2	55.54	34.23	9.7	36.54	268	0	P	H
		5442.04	55.18	-18.82	74	49.32	33	9.45	36.59	100	25	P	V
		5470	56.21	-11.99	68.2	50.33	33	9.46	36.58	100	25	P	V
		5459.98	45.54	-8.46	54	39.66	33	9.46	36.58	100	25	A	V
	*	5690	108.17	-	-	101.59	33.58	9.56	36.56	100	25	P	V
	*	5690	101.02	-	-	94.44	33.58	9.56	36.56	100	25	A	V
	5850.7	65.69	-2.51	68.2	58.35	34.2	9.68	36.54	100	25	P	V	
<b>Remark</b>	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. 7+8	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (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		11380	47.5	-26.5	74	56.59	39	13.44	61.53	-	-	P	H	
		17070	54.45	-13.75	68.2	58.62	37.84	16.43	58.44	100	80	P	H	
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			11380	47.09	-26.91	74	56.18	39	13.44	61.53	-	-	P	V
			17070	60.48	-7.72	68.2	64.65	37.84	16.43	58.44	100	135	P	V
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<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 3 5470~5725MHz

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
7+8		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full LF		30.54	30.23	-9.77	40	37.68	24.29	0.65	32.39	-	-	P	H	
		51.06	29.1	-10.9	40	46.69	13.97	0.9	32.46	-	-	P	H	
		122.7	36.22	-7.28	43.5	49.78	17.56	1.33	32.45	-	-	P	H	
		166.8	29.94	-13.56	43.5	44.7	16	1.64	32.4	-	-	P	H	
		750.36	30.01	-15.99	46	30.89	28.02	3.32	32.22	-	-	P	H	
		938.38	32.54	-13.46	46	30.06	29.8	3.79	31.11	-	-	P	H	
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			30	34.85	-5.15	40	42.19	24.41	0.64	32.39	100	351	Q	V
			30	38.92	-1.08	40	46.26	24.41	0.64	32.39	100	351	P	V
			50.7	35.21	-4.79	40	52.64	14.13	0.9	32.46	-	-	P	V
			66.36	36.11	-3.89	40	55.48	12.05	1	32.42	-	-	P	V
			122.7	34.55	-8.95	43.5	48.11	17.56	1.33	32.45	-	-	P	V
			857.8	31.97	-14.03	46	31.03	29.11	3.59	31.76	-	-	P	V
			939.96	32.59	-13.41	46	30.05	29.85	3.79	31.1	-	-	P	V
														V
													V	
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													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.													





**Note symbol**

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



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
7+8					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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

**For Peak Limit @ 5150MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Margin (dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 5150MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

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



## Appendix D. Radiated Spurious Emission

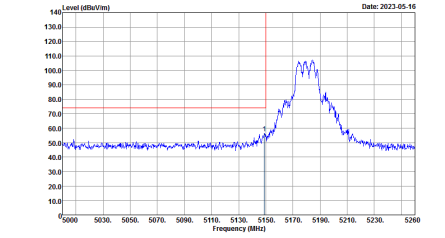
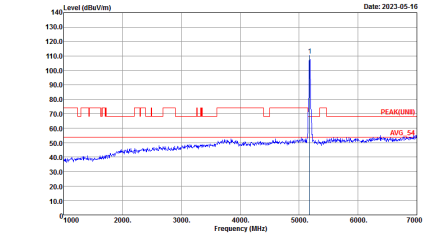
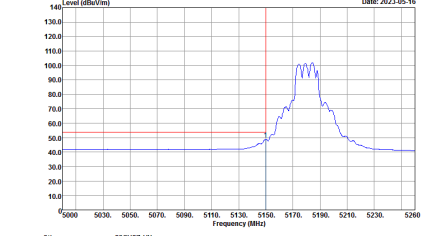
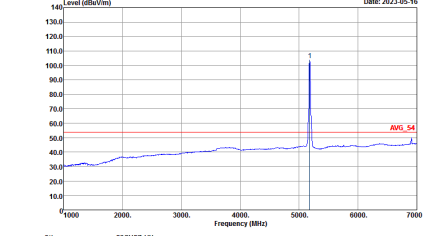
Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu, Daniel Lee,	Temperature :	20.2~25.9°C
	Quentin Liu and Bigshow Wang,	Relative Humidity :	41.0~60.1%

### Note symbol

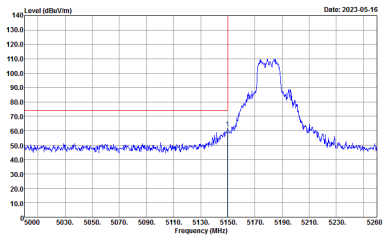
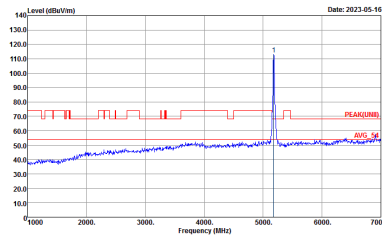
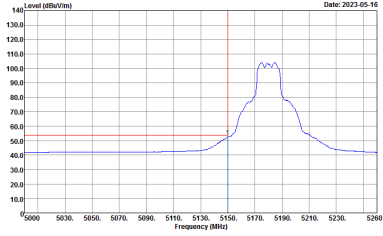
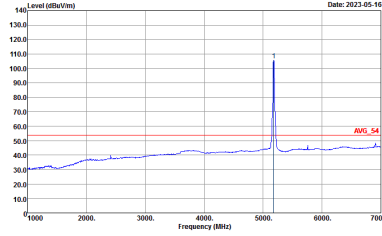
-L	Low channel location
-R	High channel location



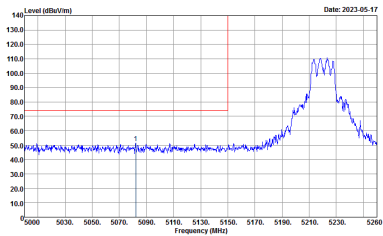
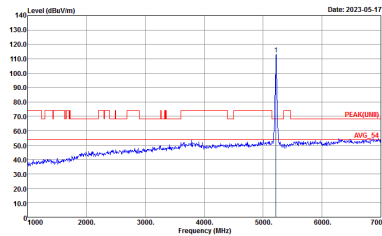
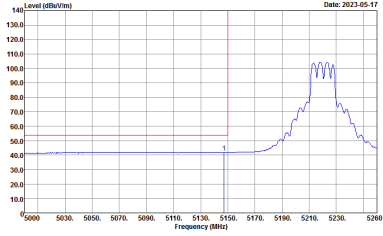
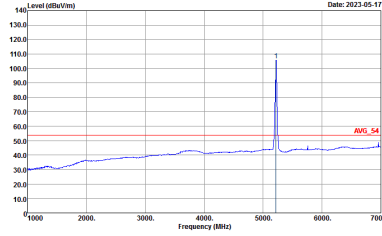
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
7+8	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5180 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5180 MHz. The plot shows a signal centered at 5180 MHz with a bandwidth of approximately 100 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE_3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at 5180 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5180 MHz. The plot shows a very narrow signal centered at 5180 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal for the horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5180 MHz. The plot shows a signal centered at 5180 MHz with a bandwidth of approximately 100 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE_3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal for the fundamental frequency. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5180 MHz. The plot shows a very narrow signal centered at 5180 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>
Avg.		



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : :PEAK(FUN) 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : :AVG_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>

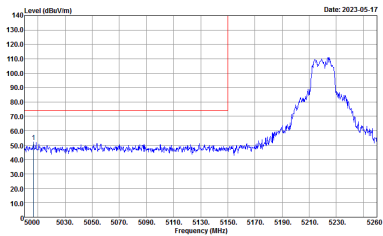
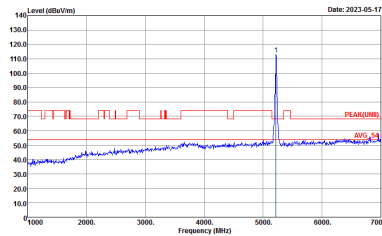
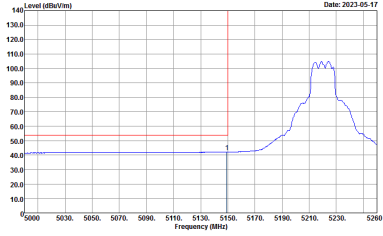
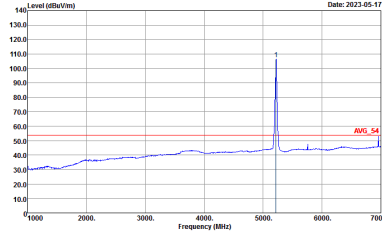


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
7+8	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



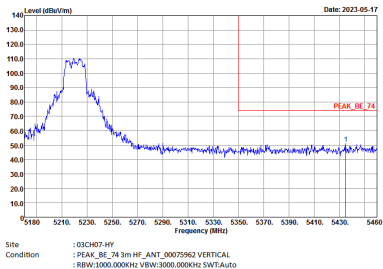
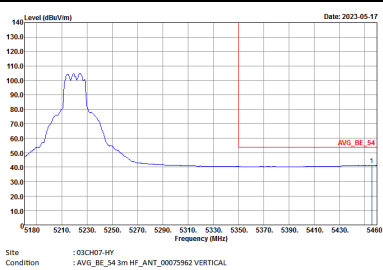
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
7+8	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



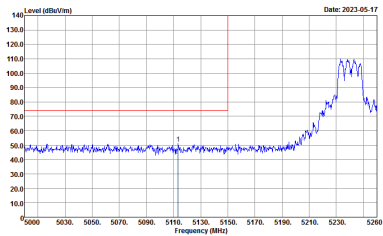
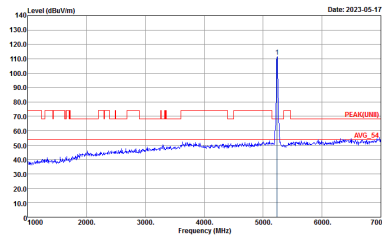
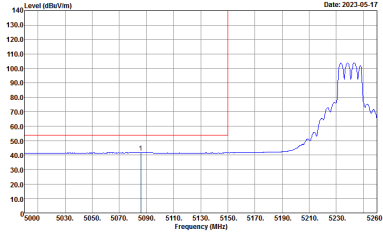
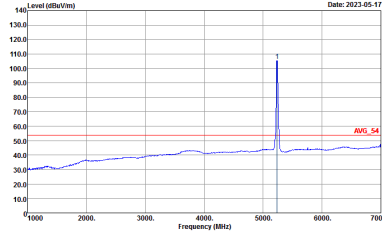
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :PEAK(LIN) 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average level at 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the average level at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average level at 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the average level at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :AVG_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

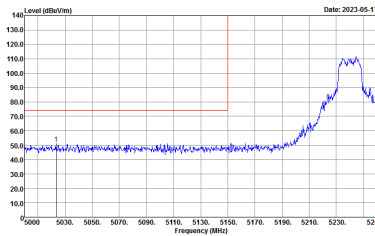
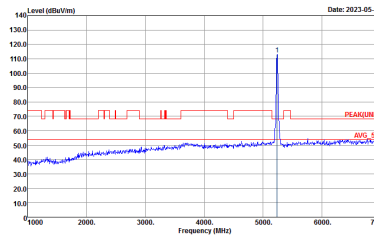
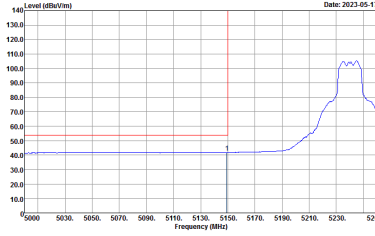
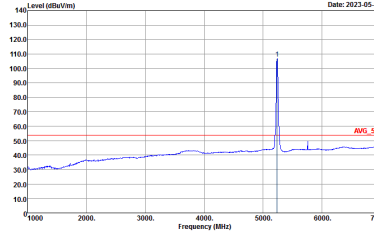


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
7+8	Horizontal	Fundamental
Peak	 <p>Date: 2023-05-17</p> <p>Site Condition : 03CH07-HY : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-17</p> <p>Site Condition : 03CH07-HY : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2023-05-17</p> <p>Site Condition : 03CH07-HY : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-17</p> <p>Site Condition : 03CH07-HY : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
7+8	Horizontal	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWF:Auto</p>	<p>Left blank</p>



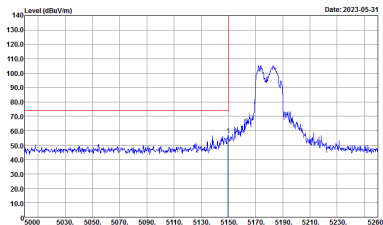
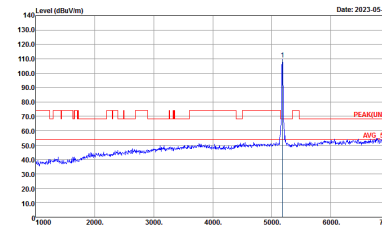
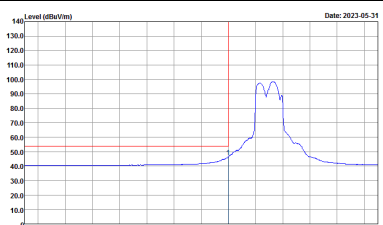
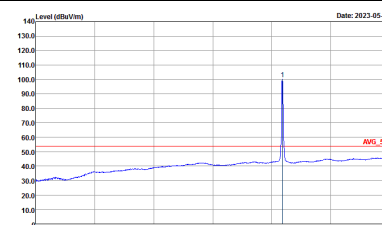
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



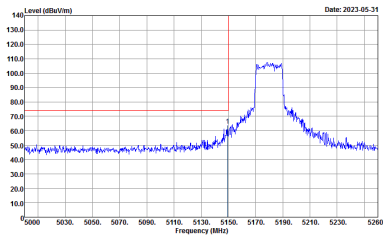
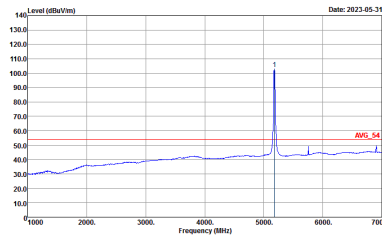
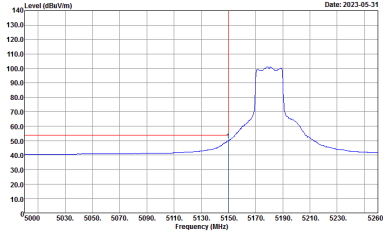
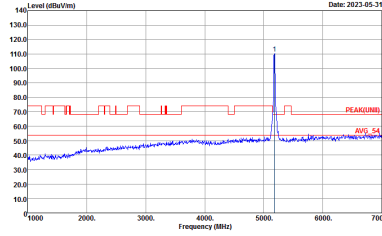
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
7+8	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank



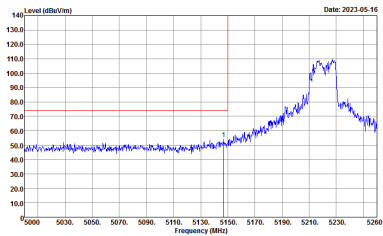
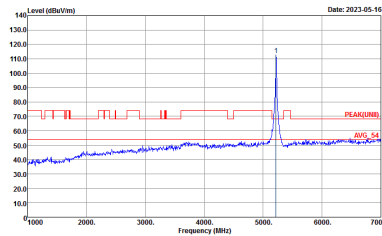
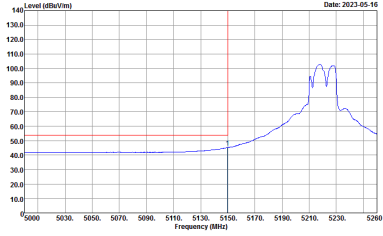
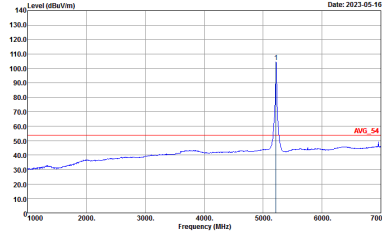
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
7+8	Horizontal	Fundamental
<b>Peak</b>	 <p>Site Condition : 03CH07-HY            : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	 <p>Site Condition : 03CH07-HY            : PEAK(LIN1) 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>
<b>Avg.</b>	 <p>Site Condition : 03CH07-HY            : AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTA:Auto</p>	 <p>Site Condition : 03CH07-HY            : AVG_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTA:Auto</p>



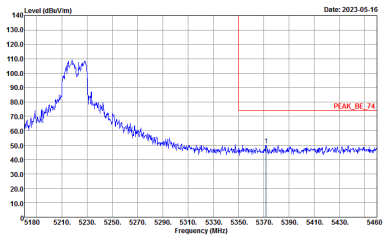
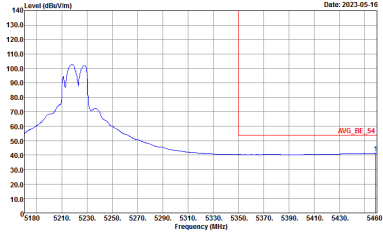
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz; VBW:3000.000kHz; SWF:Auto</p>	 <p>Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz; VBW:0.010kHz; SWF:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz; VBW:0.010kHz; SWF:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN0) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz; VBW:3000.000kHz; SWF:Auto</p>



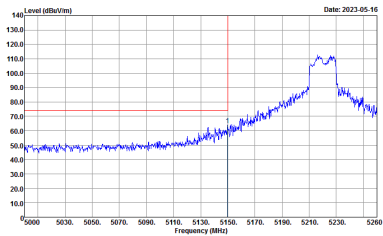
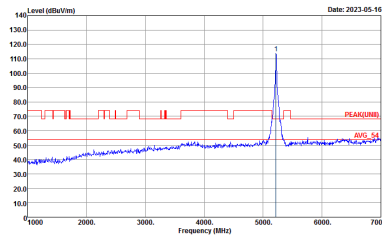
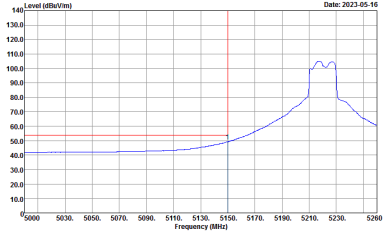
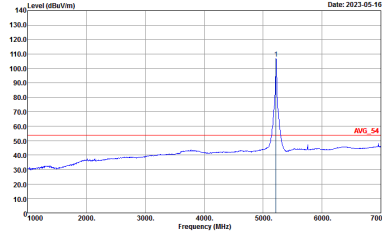
WIFI	<b>Band 1 5150~5250MHz Band Edge @ 3m</b>	
ANT	<b>802.11ax HE20 Full CH44 5220MHz - L</b>	
7+8	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at approximately 5220 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5220 MHz.</p> <p>Site : 03CH07-HY Condition : :AVG_54 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
7+8	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto</p>	<p>Left blank</p>

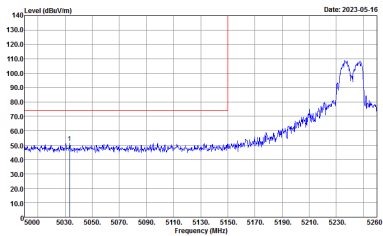
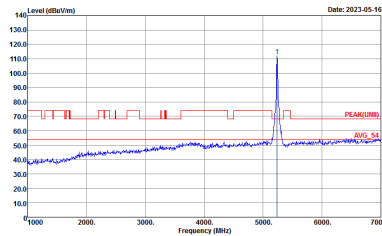
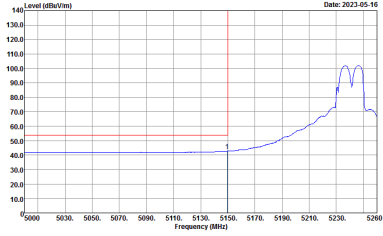
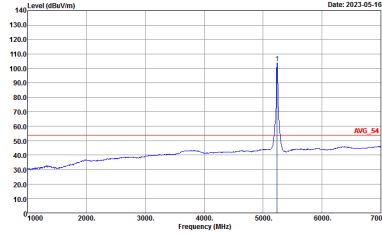


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

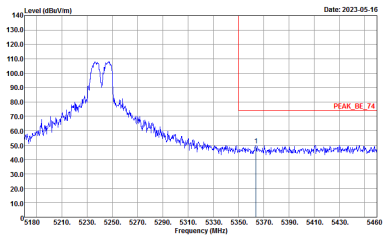
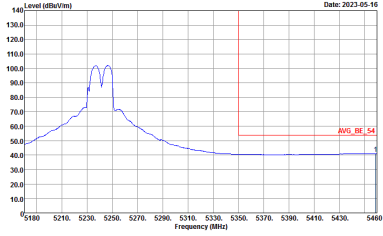


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>

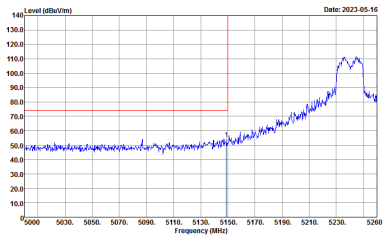
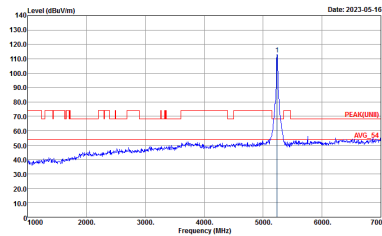
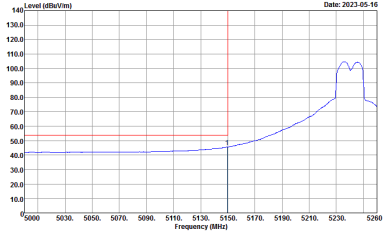
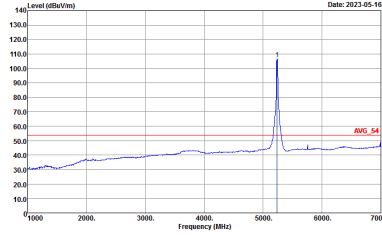


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
7+8	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
7+8	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site Condition : 03CH07-HY : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5240 MHz.</p> <p>Site Condition : 03CH07-HY : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line marks the average level at 5240 MHz.</p> <p>Site Condition : 03CH07-HY : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the average level at 5240 MHz.</p> <p>Site Condition : 03CH07-HY : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>

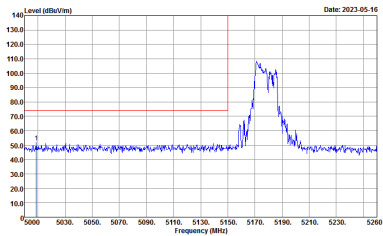
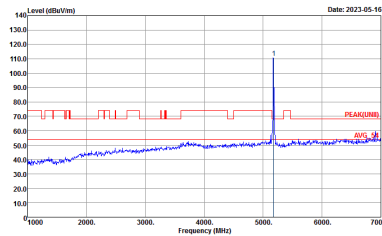
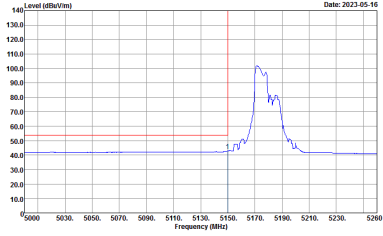
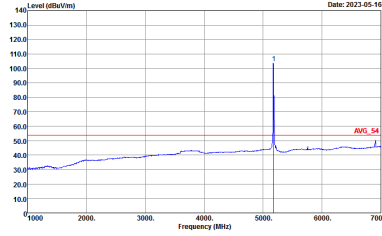


**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
7+8	Horizontal	Fundamental
<b>Peak</b>	<p>Site Condition : 03CH07-HY            : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>	<p>Site Condition : 03CH07-HY            : PEAK(LINII) 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>
<b>Avg.</b>	<p>Site Condition : 03CH07-HY            : AVG_BE_34 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>	<p>Site Condition : 03CH07-HY            : AVG_34 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>

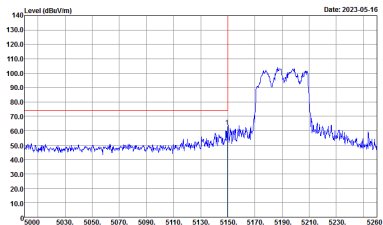
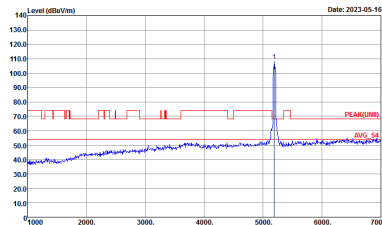
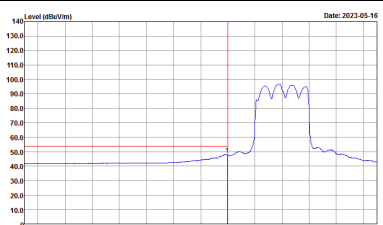
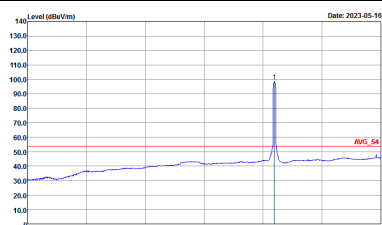




WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



**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	
7+8	Horizontal	Fundamental
<b>Peak</b>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line is at 5150 MHz. A blue signal line shows a peak around 5190 MHz. A red horizontal line is at approximately 75 dBm/100MHz. Text below the plot: Site: :03CH07-HY; Condition: :PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL; :RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Fundamental polarization. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 1000 to 7000 MHz. A red horizontal line is at approximately 75 dBm/100MHz. A blue signal line shows a sharp peak at 5190 MHz. Text below the plot: Site: :03CH07-HY; Condition: :PEAK(LIN1) 3m HF_ANT_00075962 HORIZONTAL; :RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>
<b>Avg.</b>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 5000 to 5260 MHz. A red vertical line is at 5150 MHz. A blue signal line shows a peak around 5190 MHz. A red horizontal line is at approximately 55 dBm/100MHz. Text below the plot: Site: :03CH07-HY; Condition: :AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL; :RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Fundamental polarization. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 1000 to 7000 MHz. A red horizontal line is at approximately 55 dBm/100MHz. A blue signal line shows a sharp peak at 5190 MHz. Text below the plot: Site: :03CH07-HY; Condition: :AVG_24 3m HF_ANT_00075962 HORIZONTAL; :RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
7+8	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
7+8	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>	<p>Site : 03CH07-HY Condition : :PEAK(FUN) 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>	<p>Site : 03CH07-HY Condition : :AVG_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>

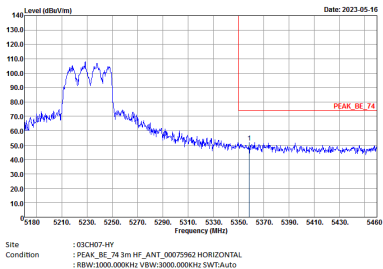
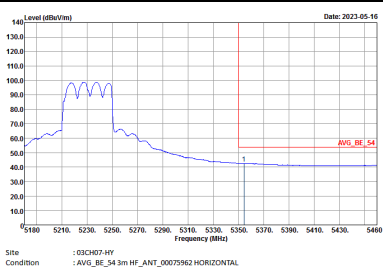


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>

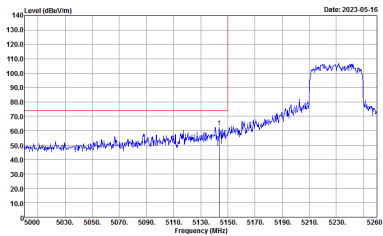
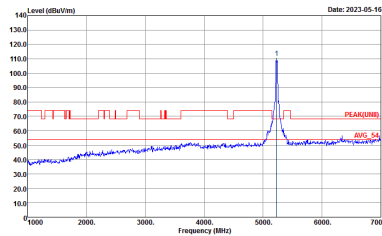
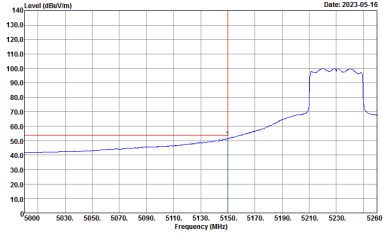
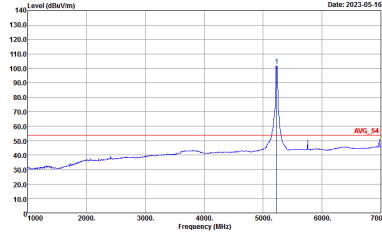


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
7+8	Horizontal	Fundamental
Peak	<p>Date: 2023-05-16</p> <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2023-05-16</p> <p>Site : 03CH07-HY Condition : : PEAK(LIM) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Date: 2023-05-16</p> <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2023-05-16</p> <p>Site : 03CH07-HY Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
7+8	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL :RBW:1000.000kHz VBW:5.000kHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : :PEAK_BE_74 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : :PEAK(FUN) 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:3000.000kHz;SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : :AVG_BE_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : :AVG_54 3m HF_ANT_00075962 VERTICAL :RBW:1000.000kHz;VBW:0.010kHz;SWT:Auto</p>

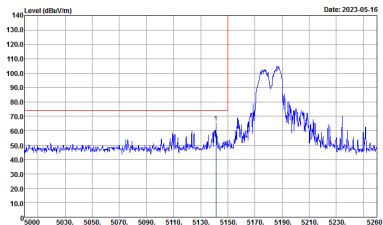

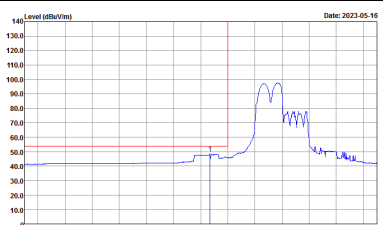
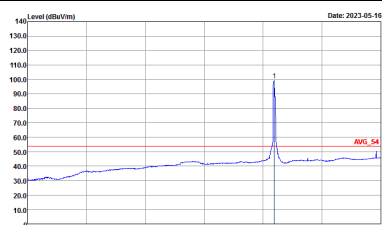




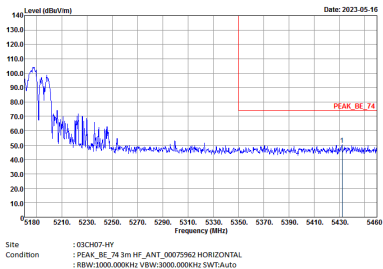
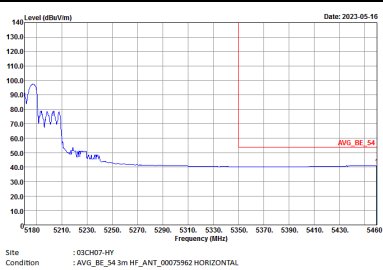
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.000kHz SWT:Auto</p>	<p>Left blank</p>



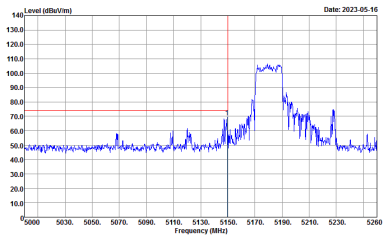
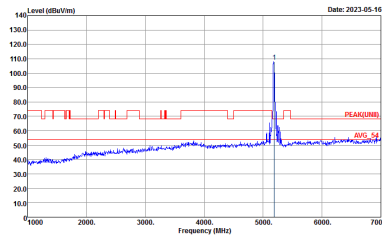
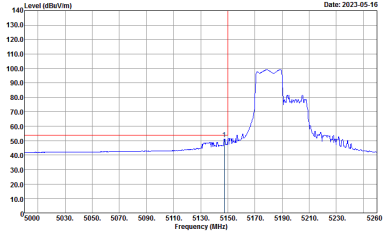
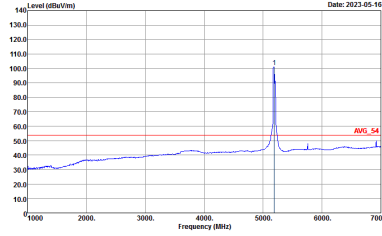
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
7+8	Horizontal	Fundamental
<b>Peak</b>	 <p>Site Condition : 03CH07-HY            : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>	 <p>Site Condition : 03CH07-HY            : PEAK(LINII) 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>
<b>Avg.</b>	 <p>Site Condition : 03CH07-HY            : AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>	 <p>Site Condition : 03CH07-HY            : AVG_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>

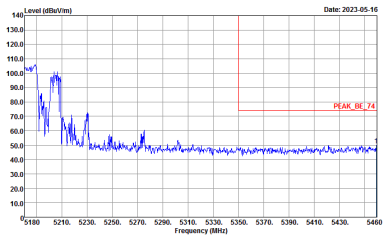
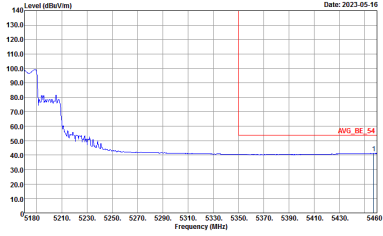


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
7+8	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	<b>Band 1 5150~5250MHz Band Edge @ 3m</b>	
ANT	<b>802.11ax HE40 Partial 242/61 CH38 5190MHz - L</b>	
7+8	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	 <p style="font-size: small;">Date: 2023-05-16</p> <p style="font-size: x-small;">Site Condition : 03CH07-HY : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p style="font-size: small;">Date: 2023-05-16</p> <p style="font-size: x-small;">Site Condition : 03CH07-HY : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p style="font-size: small;">Date: 2023-05-16</p> <p style="font-size: x-small;">Site Condition : 03CH07-HY : AVG_BE_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p style="font-size: small;">Date: 2023-05-16</p> <p style="font-size: x-small;">Site Condition : 03CH07-HY : AVG_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>



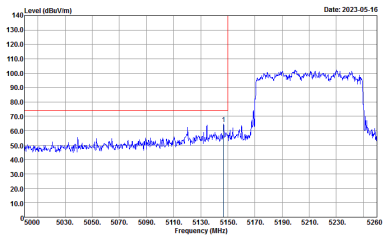
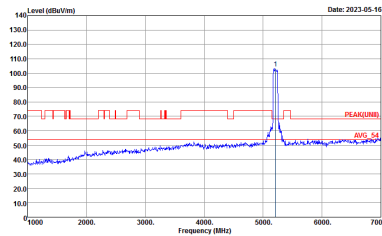
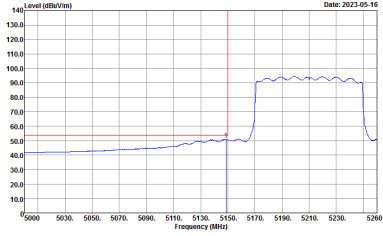
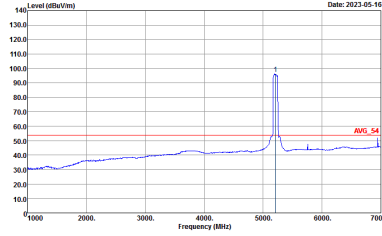
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
7+8	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH07-HY            Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>	<p>Site : 03CH07-HY            Condition : PEAK(LIN1) 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>
<b>Avg.</b>	<p>Site : 03CH07-HY            Condition : AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>	<p>Site : 03CH07-HY            Condition : AVG_S4 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
7+8	Horizontal	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
7+8	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

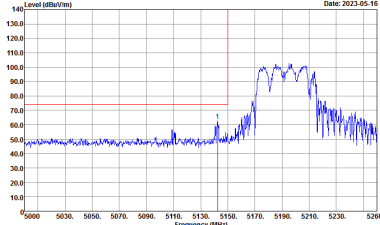
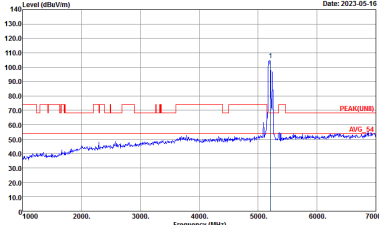
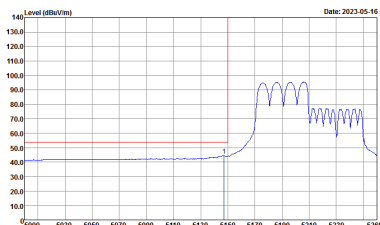
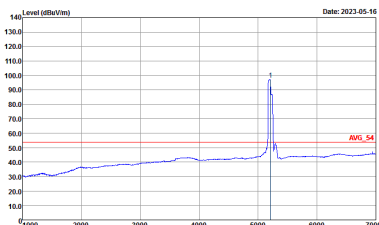




WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>



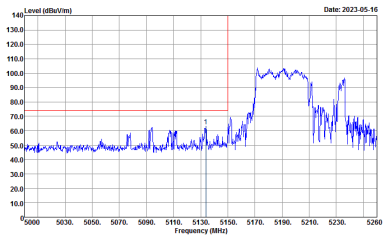
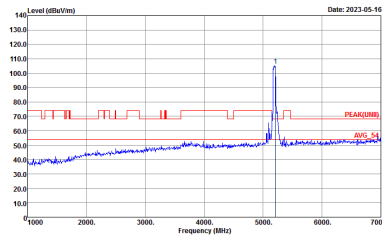
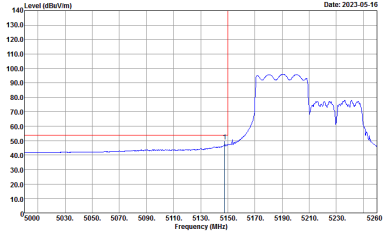
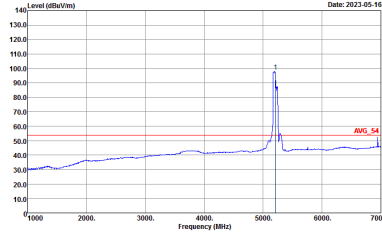
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
7+8	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH07-HY            : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>	 <p>Site Condition : 03CH07-HY            : PEAK(LINII) 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>
Avg.	 <p>Site Condition : 03CH07-HY            : AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>	 <p>Site Condition : 03CH07-HY            : AVG_S4 3m HF_ANT_00075962 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
7+8	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.000kHz SWF:Auto</p>	Left blank



WIFI	<b>Band 1 5150~5250MHz Band Edge @ 3m</b>	
ANT	<b>802.11ax HE80 Partial 484/65 CH42 5210MHz - L</b>	
7+8	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

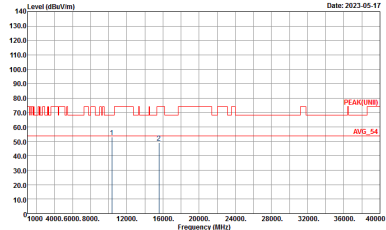
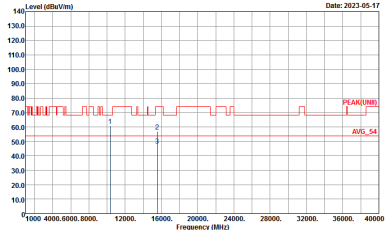


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
7+8	Vertical	Fundamental
<p><b>Peak</b></p>	<p>Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	<p>Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>



Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH36 5180MHz</b>	
<b>7+8</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
7+8	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
7+8	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL</p>





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

Table with 4 columns: WIFI, ANT, 7+8, and two graph columns (Horizontal, Vertical). The graph columns contain spectral plots with 'Peak' and 'Avg.' labels.



<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Full CH44 5220MHz</b>	
<b>7+8</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH07-HY Condition : PEAK(LIN1) 3m HF ANT 00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN1) 3m HF_ANT_00075962 VERTICAL</p>



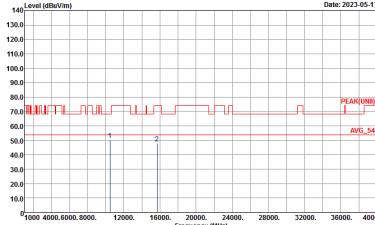
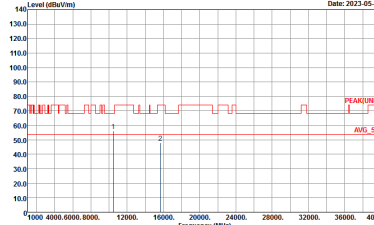
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
7+8	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL</p>



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

Table with 4 rows and 2 columns. Row 1: WIFI | Band 1 5150~5250MHz Harmonic @ 3m. Row 2: ANT | 802.11ax HE40 Full CH38 5190MHz. Row 3: 7+8 | Horizontal | Vertical. Row 4: Peak Avg. | [Two spectral plots: Horizontal and Vertical].



<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH46 5230MHz</b>	
<b>7+8</b>	<b>Horizontal</b>	<b>Vertical</b>
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL</p>



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

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE80 Full CH42 5210MHz</b>	
<b>7+8</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH27-4Y          Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH27-4Y          Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL</p>



Band 1 5150~5250MHz

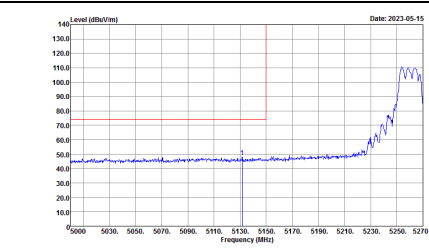
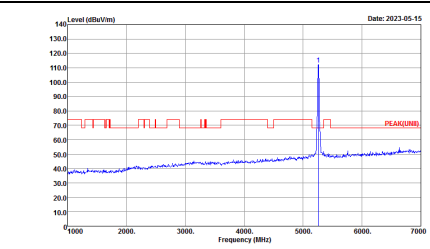
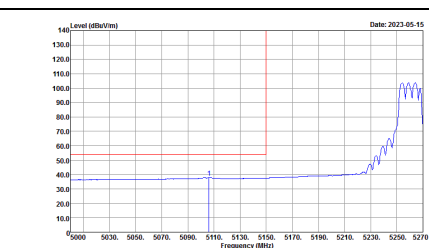
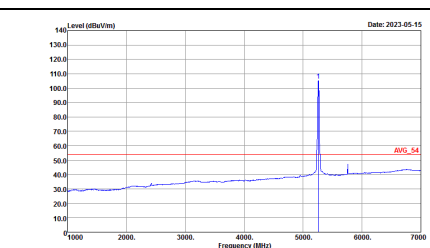
Emission below 1GHz

5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
7+8	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H VERTICAL</p>



**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
7+8	Horizontal	Fundamental
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5270 MHz. A red horizontal line is at approximately 75 dBuV/m. A blue signal line shows a sharp peak at 5260 MHz reaching approximately 130 dBuV/m.</p> <p>Site : 03CH15-HY            Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red horizontal line is at approximately 75 dBuV/m. A blue signal line shows a sharp peak at 5260 MHz reaching approximately 130 dBuV/m.</p> <p>Site : 03CH15-HY            Condition : PEAK(FUNDT) 3m 91200_02294_220623 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5000 to 5270 MHz. A red horizontal line is at approximately 55 dBuV/m. A blue signal line shows a peak at 5260 MHz reaching approximately 110 dBuV/m.</p> <p>Site : 03CH15-HY            Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Fundamental. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red horizontal line is at approximately 55 dBuV/m. A blue signal line shows a peak at 5260 MHz reaching approximately 110 dBuV/m.</p> <p>Site : 03CH15-HY            Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>





WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
7+8	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank