



# FCC RADIO TEST REPORT

**FCC ID** : TVE-3901M12  
**Equipment** : Network Security Gateway  
**Brand Name** : FORTINET **FORTINET**  
**Model Name** : FortiWiFi 50G-5Gxxxxxxxxxx,  
 FORTIWIFI-50G-5Gxxxxxxxxxx, FWF-50G-5Gxxxxxxxxxx,  
 FortiWiFi 51G-5Gxxxxxxxxxx,  
 FORTIWIFI-51G-5Gxxxxxxxxxx, FWF-51G-5Gxxxxxxxxxx

(where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software purposes or marketing purposes only)

**Marketing Name** : FortiWiFi 50G-5G, FortiWiFi 51G-5G

**Applicant** : Fortinet Inc.  
 899 KIFER RD  
 SUNNYVALE CA 94086  
 UNITED STATES

**Manufacturer** : Fortinet Inc.  
 899 KIFER RD  
 SUNNYVALE CA 94086  
 UNITED STATES

**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Dec. 06, 2023 and testing was performed from Dec. 24, 2023 to Feb. 07, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

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



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### 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	1.20 dB under the limit at 5351.52 MHz
3.5	15.207	AC Conducted Emission	Pass	13.74 dB under the limit at 0.34 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:**

1. 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.
2. The purpose of different model name is for SSD.

**Reviewed by: Yun Huang**

**Report Producer: Rebecca Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature		
<b>General Specs</b> WCDMA/LTE/5G NR, Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and GNSS.		
<b>Antenna Type</b> WWAN: Dipole Antenna WLAN: Dipole Antenna Bluetooth: Monopole Antenna GPS / BDS / Galileo / Glonass / SBAS: Dipole Antenna		
Antenna information		
<b>5150 MHz ~ 5250 MHz</b>	Peak Gain (dBi)	Ant. 3: 2.54 Ant. 6: 2.54

**Remark:**

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. This device does not support partial RU function.



1.1.1 Antenna Directional Gain

<For CDD Mode>

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

Directional gain = G<sub>ANT</sub> + 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<sub>ANT</sub> ≤ 4.

G<sub>ANT</sub> is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

Array Gain = 10 log(N<sub>ANT</sub>/N<sub>SS</sub>) dB.

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

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 3 (dBi)	Ant 6 (dBi)				
Band I	2.54	2.54	2.54	5.55	0.00	0.00

Calculation example:

If a device has two antenna, G<sub>ANT3</sub>= 2.54dBi; G<sub>ANT6</sub>=2.54dBi

Directional gain of power measurement = max(2.54, 2.54) + 0 = 2.54 dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[ 10^{(2.54 \text{ dBi} / 20)} + 10^{(2.54 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 5.55 \text{ dBi}$$

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, ( min = 0 )



<TXBF Modes>

The EUT supports beamforming modes , then

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

Directional gain = GANT + 10 log(NANT/NSS) dBi,

where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 3	Ant 6	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.54	2.54	5.55	5.55	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

$$10 \times \log \left\{ \left[ 10^{(2.54 \text{ dBi} / 20)} + 10^{(2.54 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

= 5.55 dBi

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

### 1.2 Modification of EUT

No modifications made to the EUT during the testing.



### 1.3 Testing Location

<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, CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786

### 1.4 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.





## 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).
  
- 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		

**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.



## 2.2 Test Mode

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

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

The power for TxBF mode is smaller than CDD mode, so all other conducted and radiated test is covered by CDD mode.

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

### MIMO Mode

#### <CDD Mode>

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

#### <TXBF Mode>

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0



Test Cases	
<b>AC Conducted Emission</b>	Mode 1 : WLAN (5GHz) + AC/DC Adapter

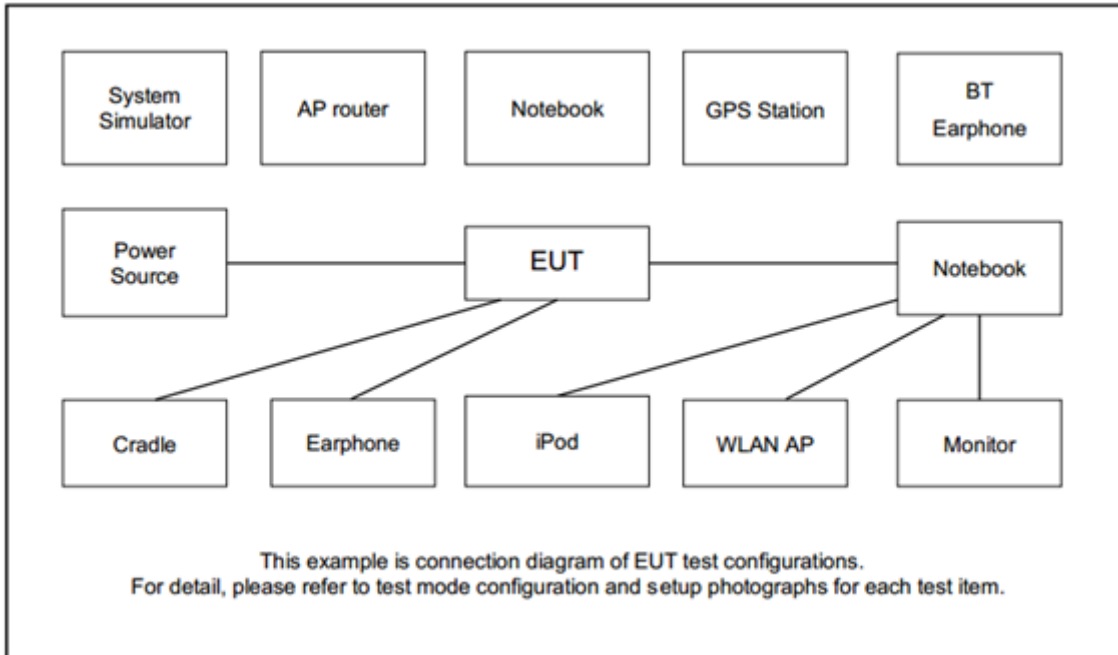
Ch. #		Band I : 5150-5250 MHz		
		802.11a	802.11n HT20	802.11n HT40
L	Low	36	36	38
M	Middle	44	-	-
H	High	48	48	46
Straddle		-	-	-

Ch. #		Band I : 5150-5250 MHz		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	36	38	-
M	Middle	-	-	42
H	High	48	46	-
Straddle		-	-	-

Ch. #		Band I : 5150-5250 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	36	38	-
M	Middle	44	-	42
H	High	48	46	-
Straddle		-	-	-

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

### 2.3 Connection Diagram of Test System



### 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



## 2.5 EUT Operation Test Setup

The RF test items, utility “MT7906 QA 0.0.2.78” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “MT7906 QA 0.0.2.78” software tool was used to enable the EUT to transmit signals continuously.

## 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.

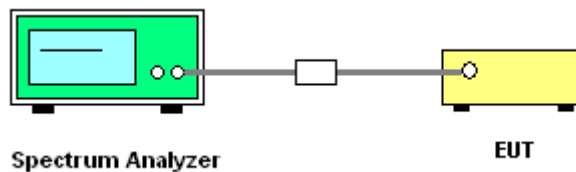
##### 3.1.2 Measuring Instruments

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.



## 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.

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

#### <CDD Modes>

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

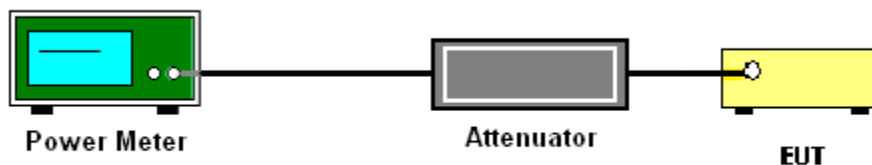
#### <TXBF Modes>

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.

### 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.

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.

#### <CDD Modes>

##### # Method SA-2 #

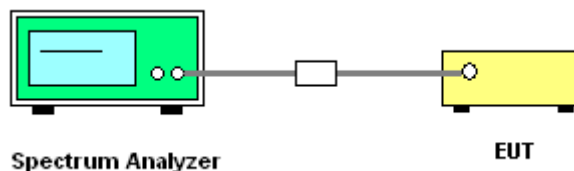
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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.



### 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.
- (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.

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



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

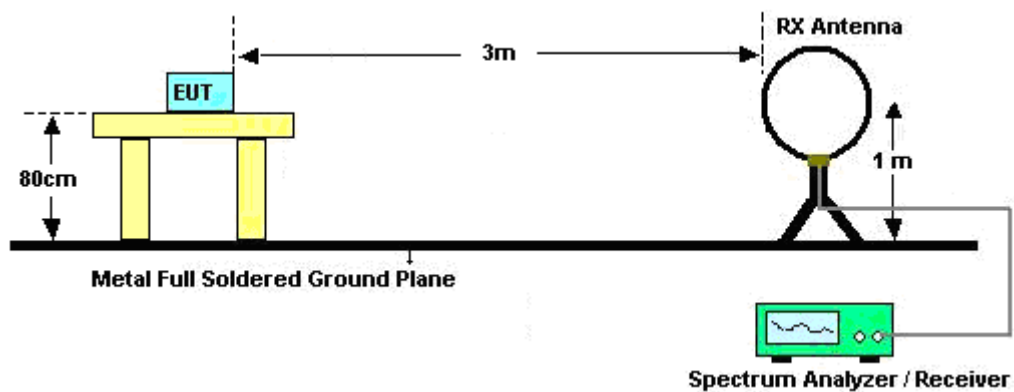
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

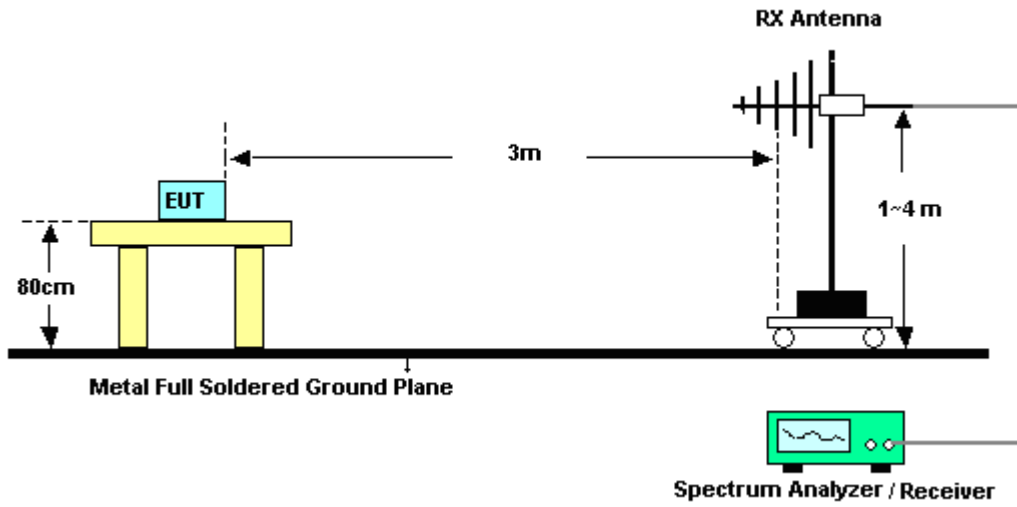
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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

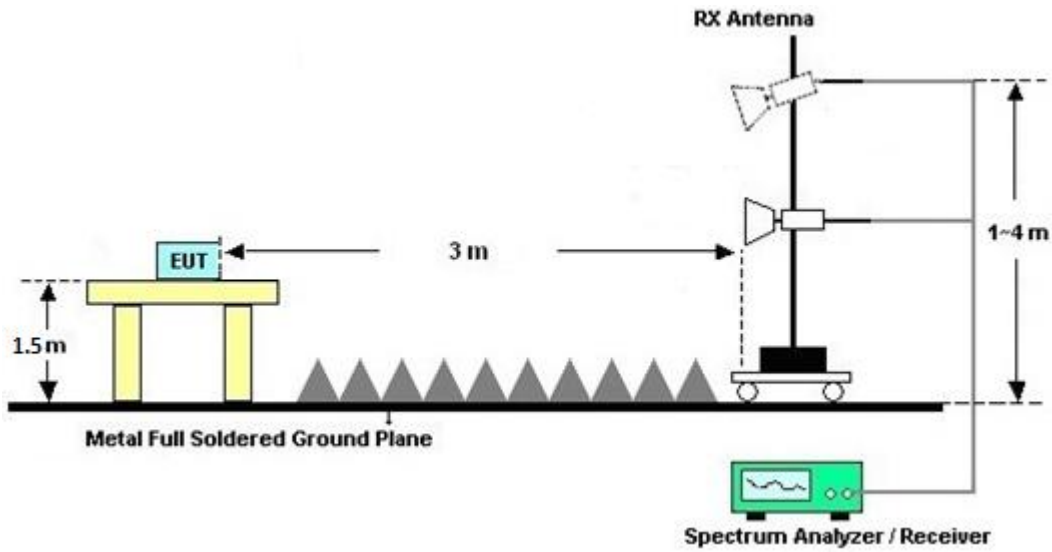
For radiated emissions below 30MHz



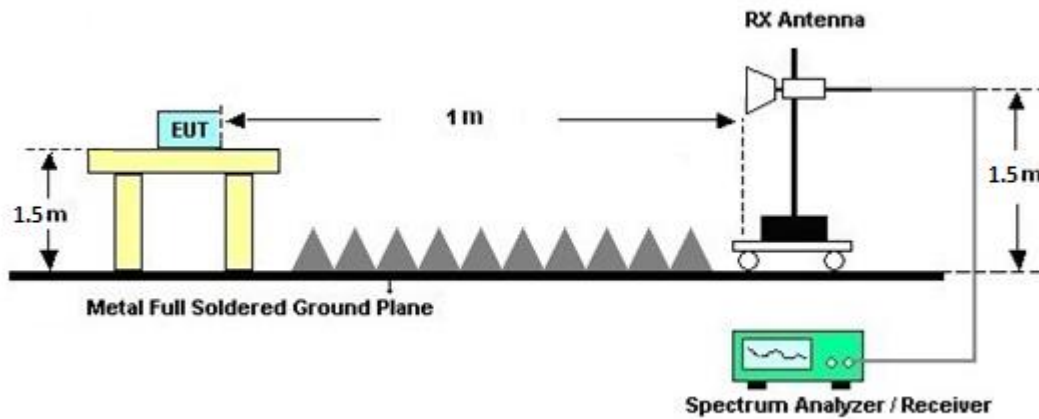
For radiated emissions from 30MHz to 1GHz



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 (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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



### 3.5.4 Test Setup



### 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. 12, 2023	Dec. 24, 2023~ Feb. 07, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Dec. 24, 2023~ Feb. 03, 2024	Feb. 04, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 07, 2023	Feb. 04, 2024~ Feb. 07, 2024	Oct. 06, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 30, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz~40GHz	Jul. 10, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	Dec. 24, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 25, 2023	Dec. 25, 2023~ Feb. 07, 2024	Dec. 24, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 16, 2023	Dec. 24, 2023~ Feb. 07, 2024	Feb. 15, 2024	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Dec. 24, 2023~ Feb. 07, 2024	Mar. 02, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	Dec. 24, 2023~ Feb. 07, 2024	Oct. 05, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 24, 2023~ Feb. 07, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 24, 2023~ Feb. 07, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5 )	RK-000451	N/A	N/A	Dec. 24, 2023~ Feb. 07, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 13, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Jan. 03, 2023	Dec. 24, 2023~ Jan. 01, 2024	Jan. 02, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Jan. 02, 2024	Jan. 02, 2024~ Feb. 07, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN6	6.75GHz High Pass Filter	Jun. 07, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jun. 06, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Dec. 24, 2023~ Feb. 07, 2024	Jul. 25, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jan. 02, 2024~ Jan. 22, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015SNO 36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Jan. 02, 2024~ Jan. 22, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jan. 02, 2024~ Jan. 22, 2024	Sep. 11, 2024	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jan. 17, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 17, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jan. 17, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz-30MHz	Mar. 15, 2023	Jan. 17, 2024	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Jan. 17, 2024	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Jan. 17, 2024	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz-3.6GHz	Sep. 20, 2023	Jan. 17, 2024	Sep. 19, 2024	Conduction (CO07-HY)



## 5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.44 dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.30 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.50 dB
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### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.50 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.40 dB
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Ching Chen and Eason Huang	Temperature:	21~25	°C
Test Date:	2024/01/02 ~ 2024/01/22	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 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	
11a	6Mbps	2	36	5180	17.38	17.28	30.47	30.59	-	-	22.38	-	
11a	6Mbps	2	44	5220	28.92	27.77	43.58	43.91	-	-	23.01	-	
11a	6Mbps	2	48	5240	35.66	32.97	53.42	52.00	-	-	23.01	-	
VHT20	MCS0	2	36	5180	18.98	18.73	34.70	36.46	-	-	22.73	-	
VHT20	MCS0	2	44	5220	36.11	34.22	51.79	49.79	-	-	23.01	-	
VHT20	MCS0	2	48	5240	40.96	35.91	58.54	56.83	-	-	23.01	-	
VHT40	MCS0	2	38	5190	36.96	36.76	60.56	57.84	-	-	23.01	-	
VHT40	MCS0	2	46	5230	42.76	38.46	89.89	86.08	-	-	23.01	-	
VHT80	MCS0	2	42	5210	75.52	75.40	105.47	107.30	-	-	23.01	-	

**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 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6	
11a	6Mbps	2	36	5180	21.10	21.00	24.06	30.00		2.54	-	Pass
11a	6Mbps	2	44	5220	23.90	23.50	26.71	30.00		2.54		Pass
11a	6Mbps	2	48	5240	25.50	24.70	28.13	30.00		2.54		Pass
HT20	MCS0	2	36	5180	21.00	21.10	24.06	30.00		2.54		Pass
HT20	MCS0	2	44	5220	23.40	23.00	26.21	30.00		2.54		Pass
HT20	MCS0	2	48	5240	23.60	23.20	26.41	30.00		2.54		Pass
HT40	MCS0	2	38	5190	18.50	18.40	21.46	30.00		2.54		Pass
HT40	MCS0	2	46	5230	20.80	20.70	23.76	30.00		2.54		Pass
VHT20	MCS0	2	36	5180	21.80	21.90	24.86	30.00		2.54		Pass
VHT20	MCS0	2	44	5220	23.40	23.10	26.26	30.00		2.54		Pass
VHT20	MCS0	2	48	5240	24.10	23.20	26.68	30.00		2.54		Pass
VHT40	MCS0	2	38	5190	19.10	19.00	22.06	30.00		2.54		Pass
VHT40	MCS0	2	46	5230	20.90	20.80	23.86	30.00		2.54		Pass
VHT80	MCS0	2	42	5210	15.20	15.10	18.16	30.00		2.54		Pass



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

FCC U-NII-1 MIMO														
Mod.	Data Rate	Nrx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6	
11a	6Mbps	2	36	5180	0.22	0.22	-		SUM	13.30	17.00	5.55	-	Pass
11a	6Mbps	2	44	5220	0.22	0.22				16.23	17.00	5.55		Pass
11a	6Mbps	2	48	5240	0.22	0.22				16.92	17.00	5.55		Pass
VHT20	MCS0	2	36	5180	0.22	0.22				13.74	17.00	5.55		Pass
VHT20	MCS0	2	44	5220	0.22	0.22				16.80	17.00	5.55		Pass
VHT20	MCS0	2	48	5240	0.22	0.22				16.97	17.00	5.55		Pass
VHT40	MCS0	2	38	5190	0.35	0.35				8.63	17.00	5.55		Pass
VHT40	MCS0	2	46	5230	0.35	0.35				11.79	17.00	5.55		Pass
VHT80	MCS0	2	42	5210	0.69	0.69				1.45	17.00	5.55		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 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	
HE20	MCS0	2	36	5180	Full	19.43	19.48	32.94	31.58	-	-	22.88	-	-
HE20	MCS0	2	44	5220	Full	25.97	25.32	48.97	43.06	-	-	23.01	-	-
HE20	MCS0	2	48	5240	Full	36.66	34.57	55.61	51.24	-	-	23.01	-	-
HE40	MCS0	2	38	5190	Full	38.06	37.96	50.77	50.40	-	-	23.01	-	-
HE40	MCS0	2	46	5230	Full	38.16	38.26	63.82	68.11	-	-	23.01	-	-
HE80	MCS0	2	42	5210	Full	77.08	77.08	97.89	87.62	-	-	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 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	36	5180	Full	21.50	21.50	24.51	30.00		2.54		-	Pass
HE20	MCS0	2	44	5220	Full	23.50	23.40	26.46	30.00		2.54			Pass
HE20	MCS0	2	48	5240	Full	25.40	25.00	28.21	30.00		2.54			Pass
HE40	MCS0	2	38	5190	Full	18.80	18.70	21.76	30.00		2.54			Pass
HE40	MCS0	2	46	5230	Full	20.90	20.80	23.86	30.00		2.54			Pass
HE80	MCS0	2	42	5210	Full	15.00	14.80	17.91	30.00		2.54			Pass

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

FCC U-NII-1 MIMO															
Mod.	Data Rate	N <sub>rx</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 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6	
HE20	MCS0	2	36	5180	Full	0.23	0.23			13.17	17.00	5.55		Pass	
HE20	MCS0	2	44	5220	Full	0.23	0.23			14.84	17.00	5.55		Pass	
HE20	MCS0	2	48	5240	Full	0.23	0.23			16.54	17.00	5.55		Pass	
HE40	MCS0	2	38	5190	Full	0.45	0.41			8.03	17.00	5.55		Pass	
HE40	MCS0	2	46	5230	Full	0.45	0.41			10.18	17.00	5.55		Pass	
HE80	MCS0	2	42	5210	Full	0.78	0.78			1.40	17.00	5.55		Pass	

<TXBF>

**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 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6	
HT20	MCS0	2	36	5180	20.90	21.00	23.96	30.00		5.55	-	Pass
HT20	MCS0	2	44	5220	23.00	22.60	25.81	30.00		5.55		Pass
HT20	MCS0	2	48	5240	23.70	22.80	26.28	30.00		5.55		Pass
HT40	MCS0	2	38	5190	18.40	18.30	21.36	30.00		5.55		Pass
HT40	MCS0	2	46	5230	20.70	20.60	23.66	30.00		5.55		Pass
VHT20	MCS0	2	36	5180	21.50	21.60	24.56	30.00		5.55		Pass
VHT20	MCS0	2	44	5220	23.10	22.70	25.91	30.00		5.55		Pass
VHT20	MCS0	2	48	5240	24.00	23.10	26.58	30.00		5.55		Pass
VHT40	MCS0	2	38	5190	19.00	18.90	21.96	30.00		5.55		Pass
VHT40	MCS0	2	46	5230	20.80	18.90	22.96	30.00		5.55		Pass
VHT80	MCS0	2	42	5210	15.10	15.00	18.06	30.00		5.55		Pass

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

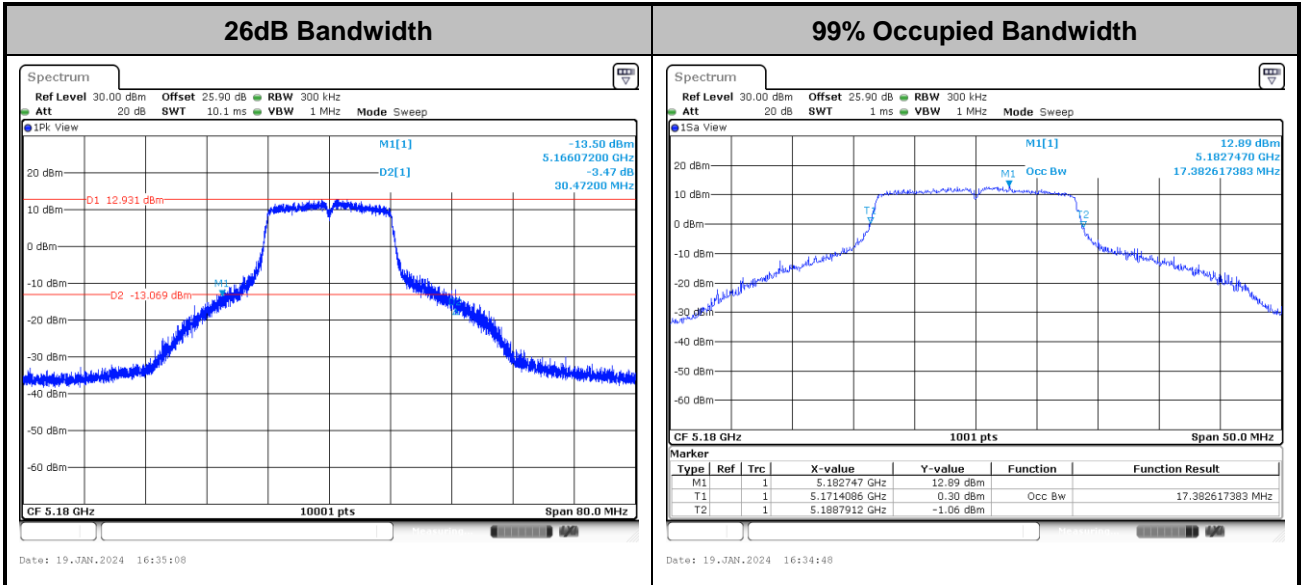
FCC U-NII-1 MIMO														
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	36	5180	Full	21.40	21.40	24.41	30.00		5.55		-	Pass
HE20	MCS0	2	44	5220	Full	23.40	23.30	26.36	30.00		5.55			Pass
HE20	MCS0	2	48	5240	Full	25.30	24.90	28.11	30.00		5.55			Pass
HE40	MCS0	2	38	5190	Full	18.70	18.60	21.66	30.00		5.55			Pass
HE40	MCS0	2	46	5230	Full	20.80	20.70	23.76	30.00		5.55			Pass
HE80	MCS0	2	42	5210	Full	14.90	14.70	17.81	30.00		5.55			Pass



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

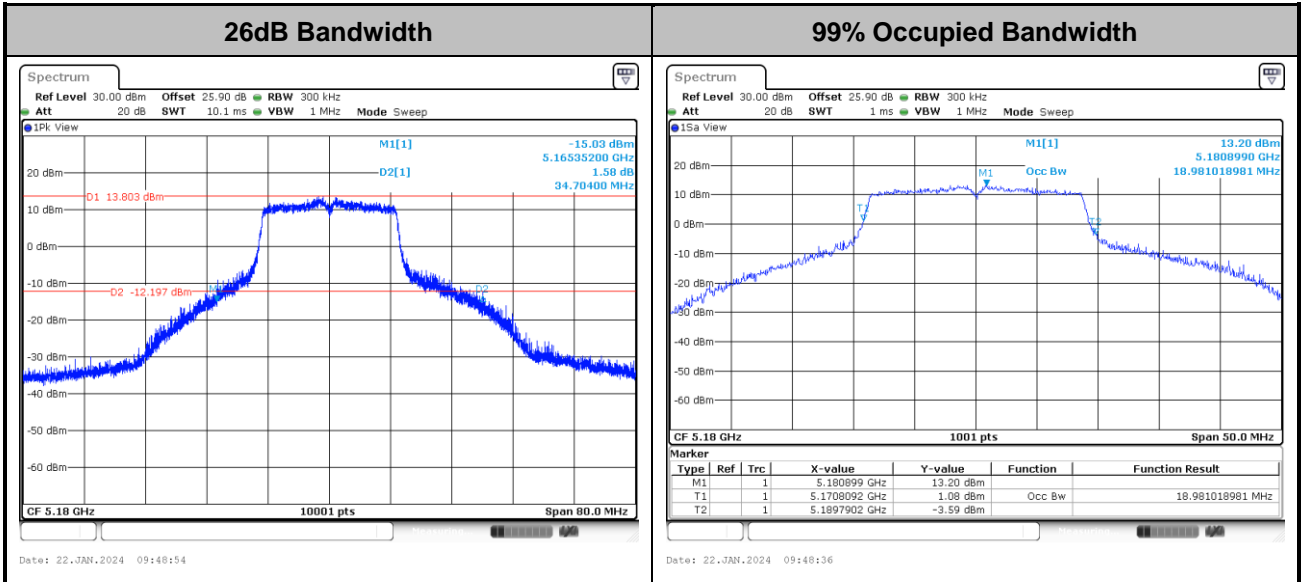
MIMO <Ant. 3+6>

<802.11a>



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

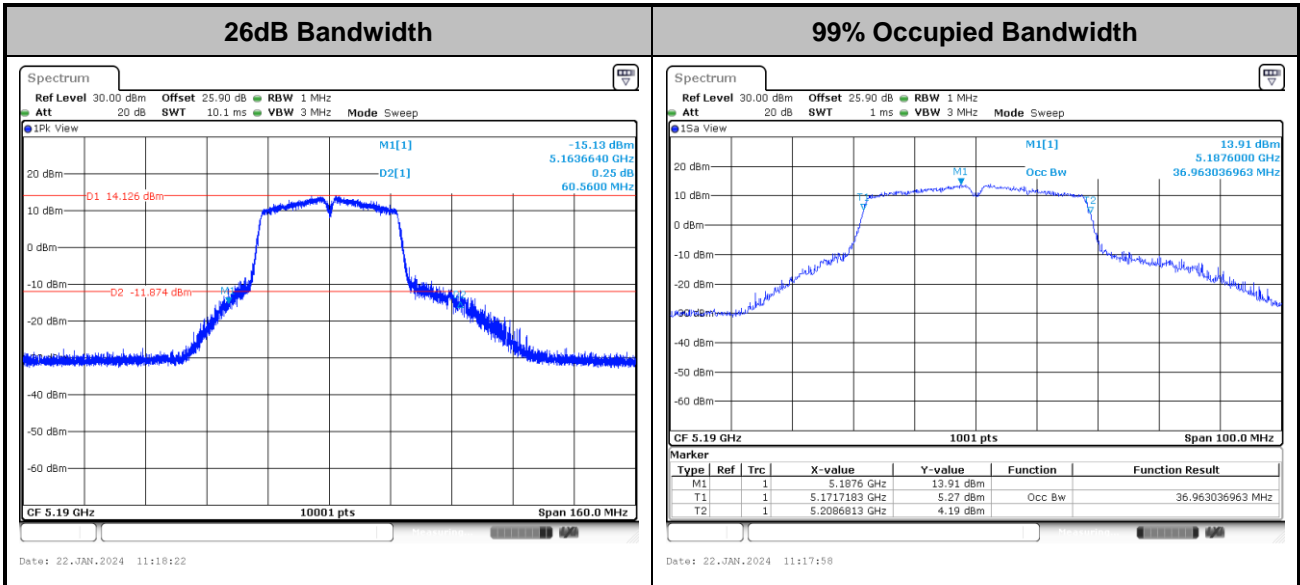
<802.11ac VHT20>



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

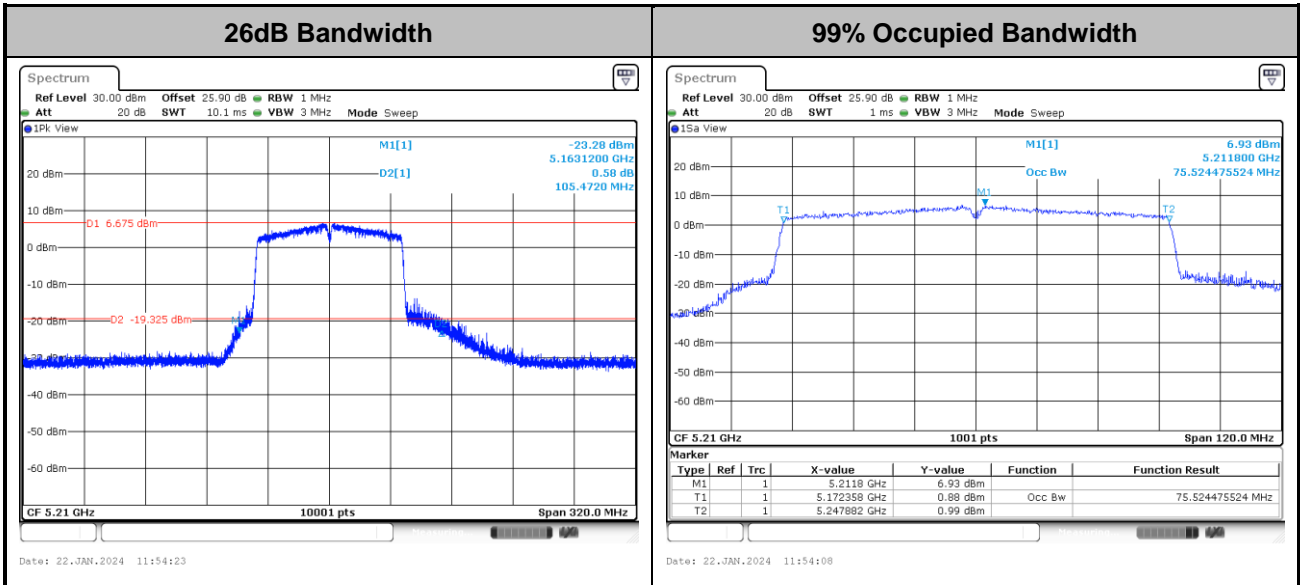


<802.11ac VHT40>



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

<802.11ac VHT80>

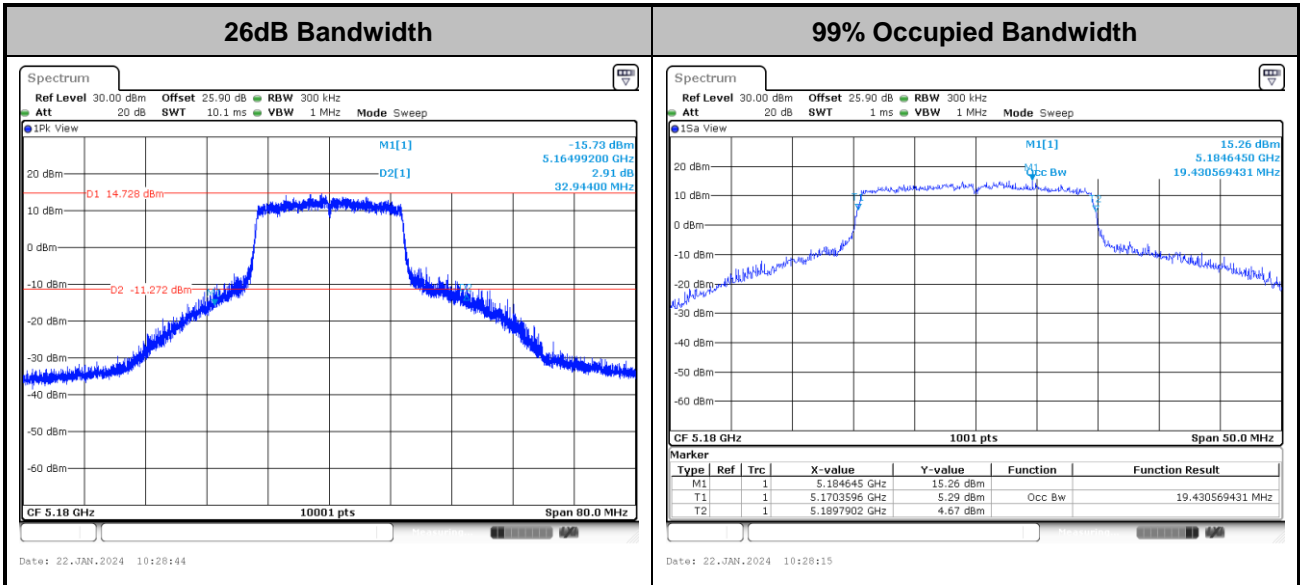


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



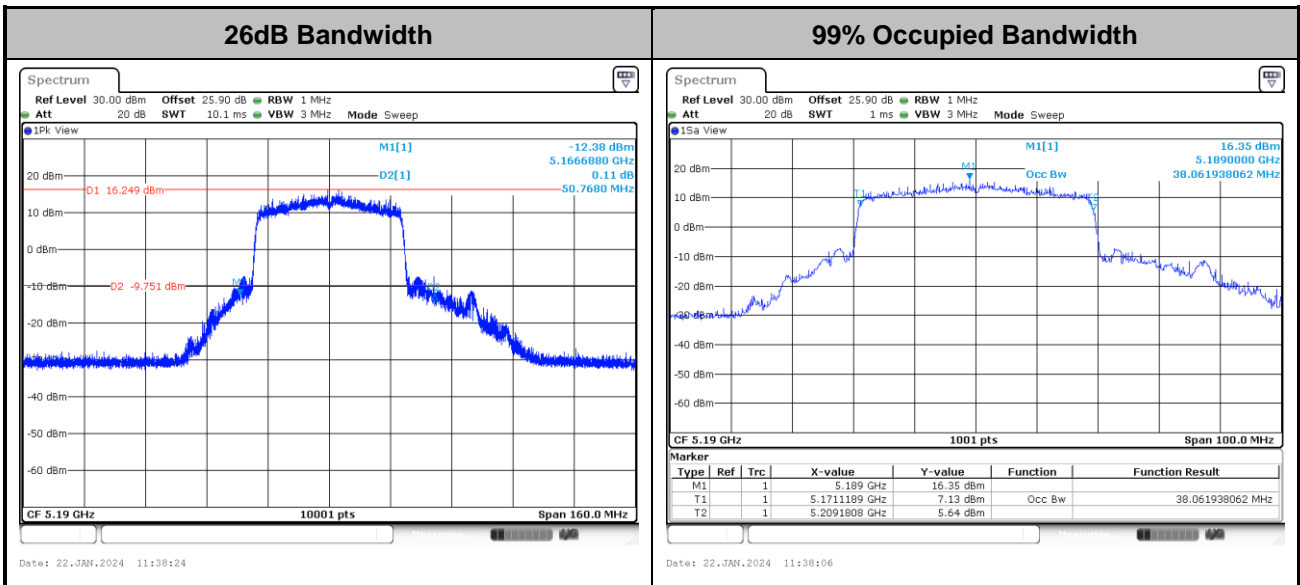


<802.11ax HE20>



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

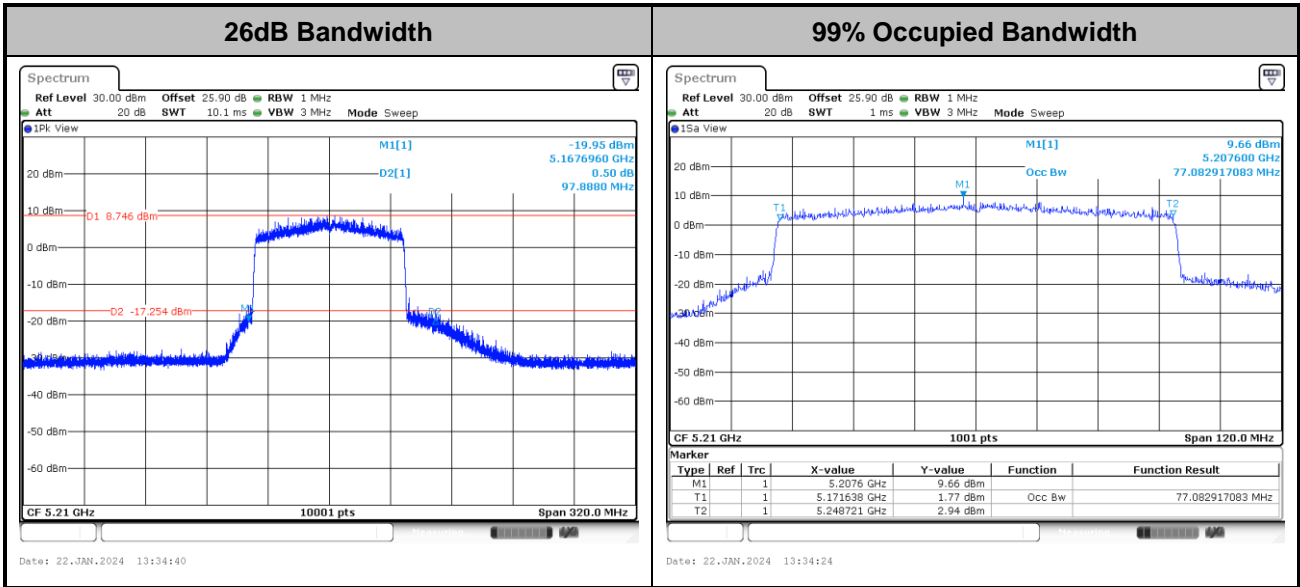
<802.11ax HE40>



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



<802.11ax HE80>

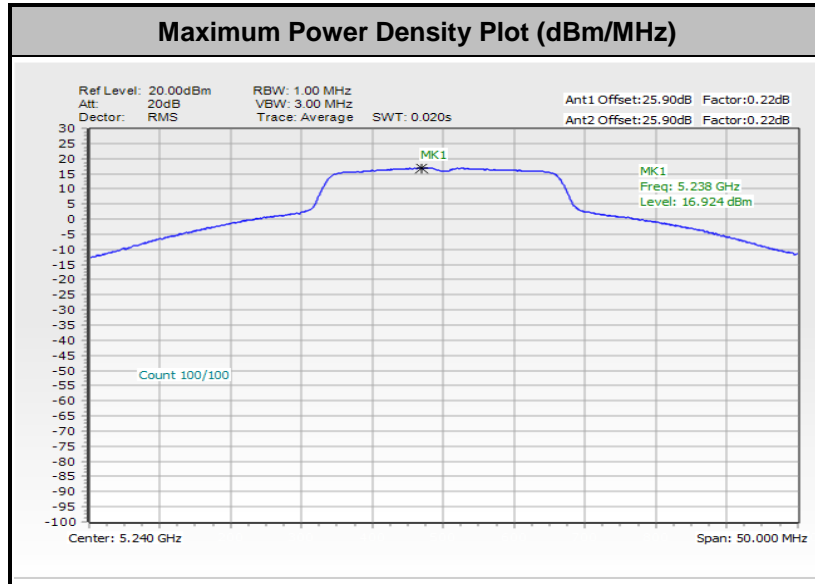


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

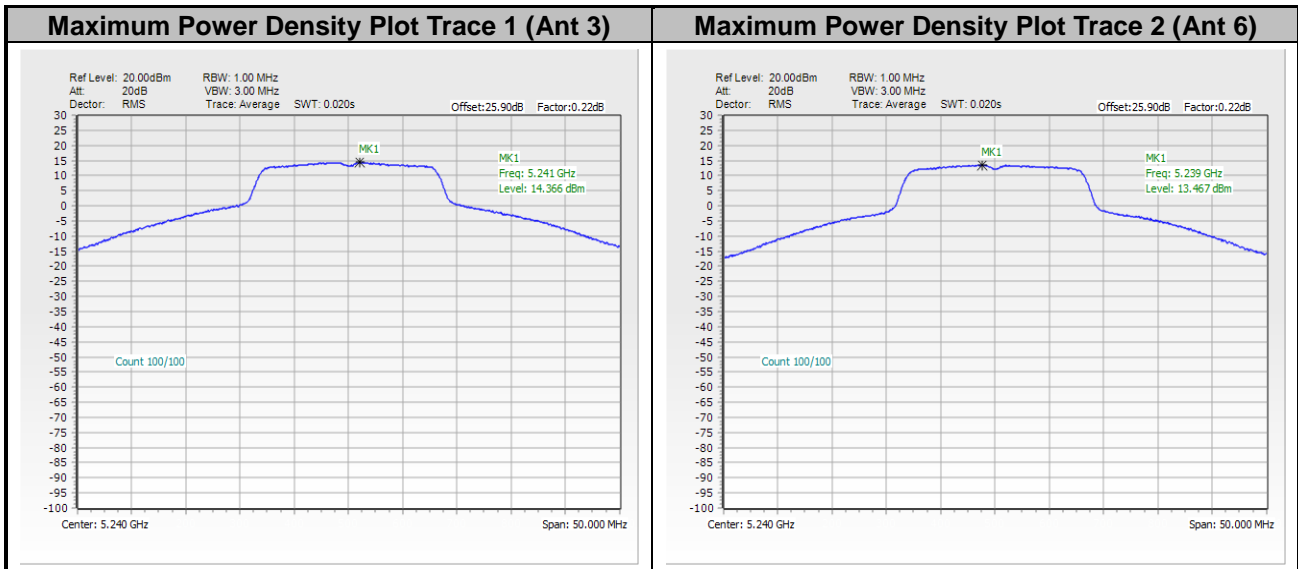


# Test Result of Power Spectral Density

<802.11a>

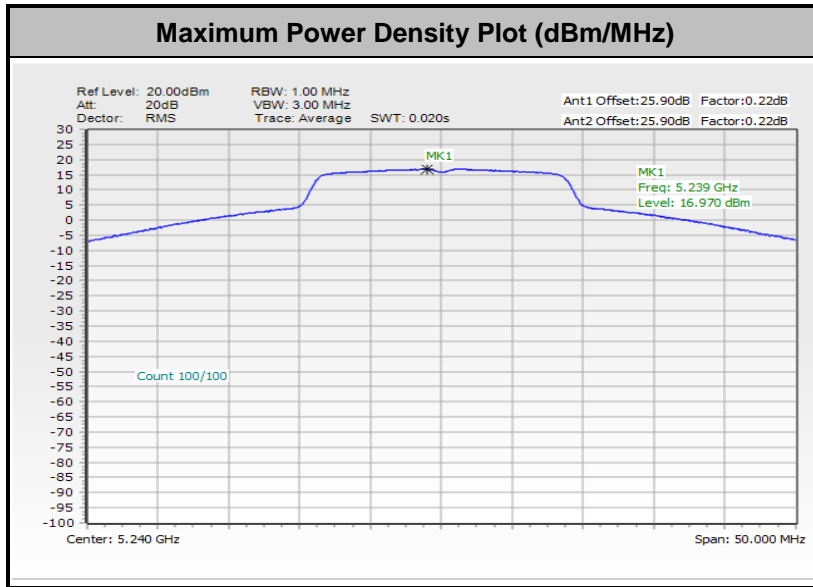


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

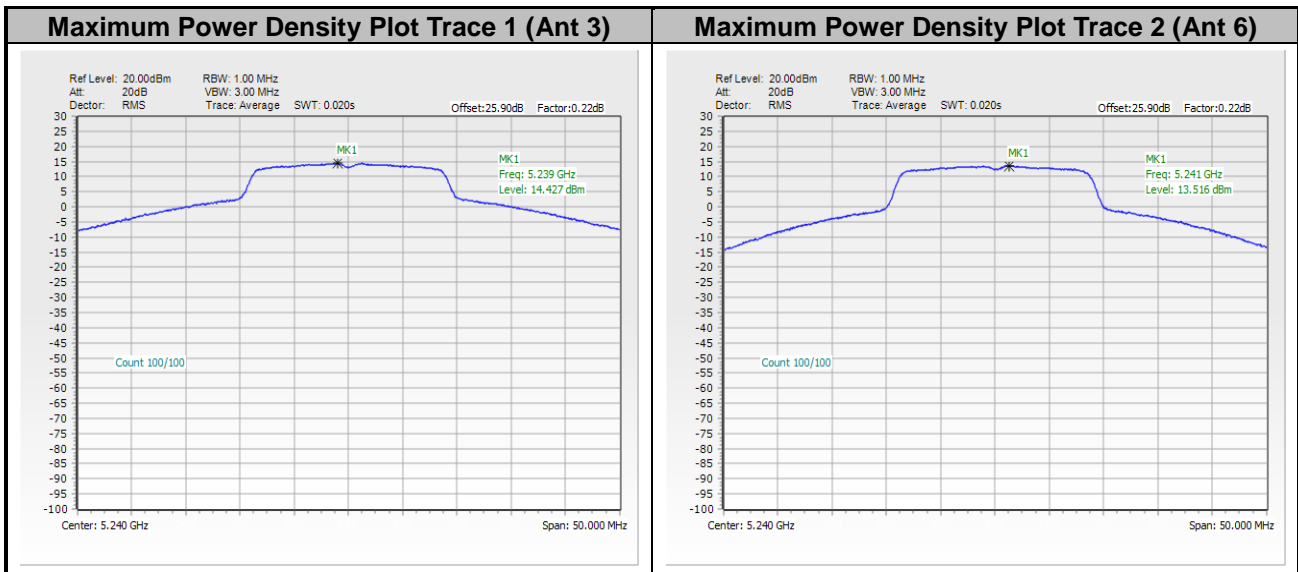




<802.11ac VHT20>

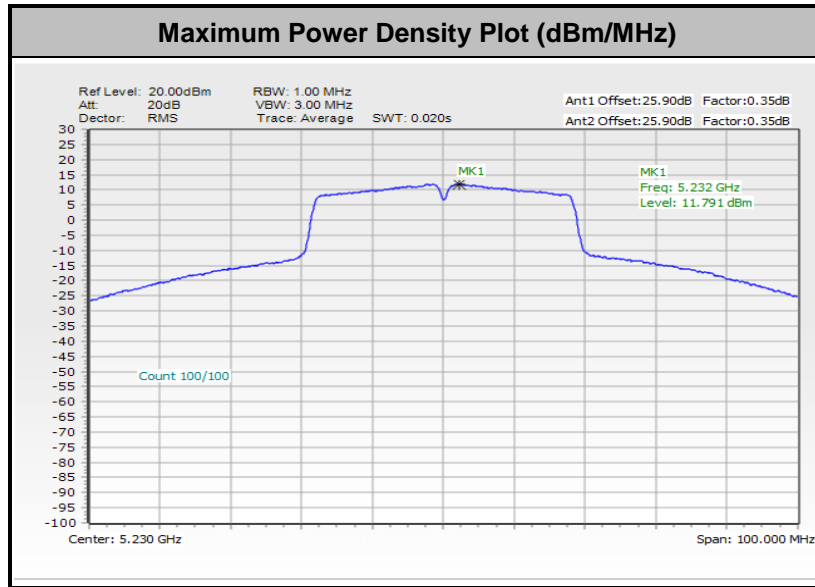


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

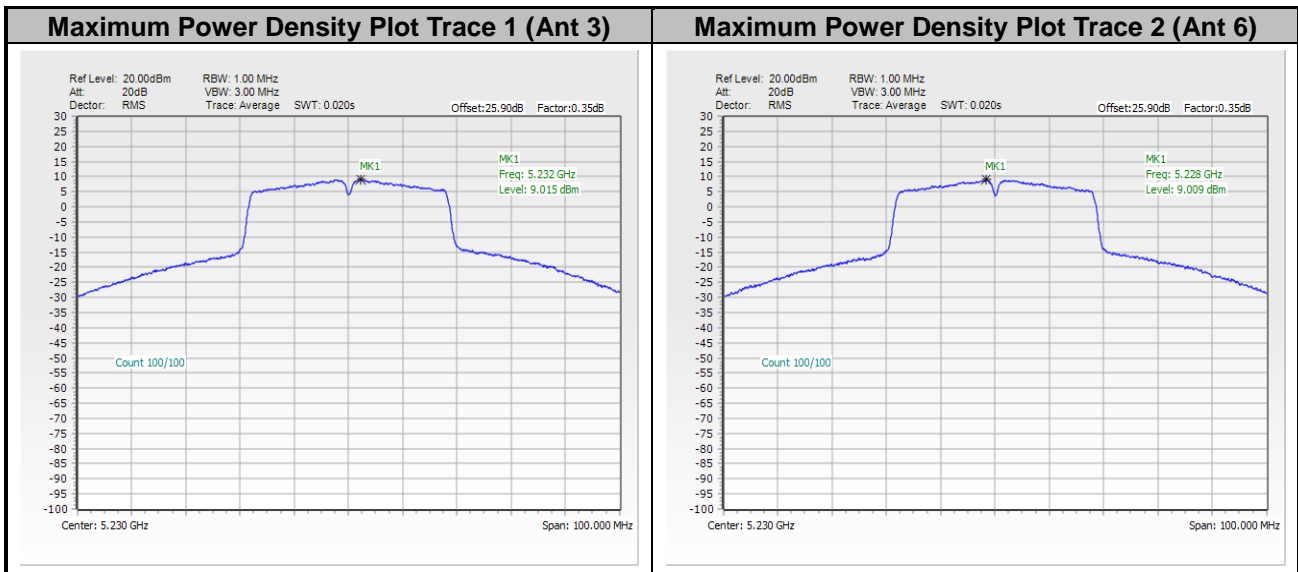




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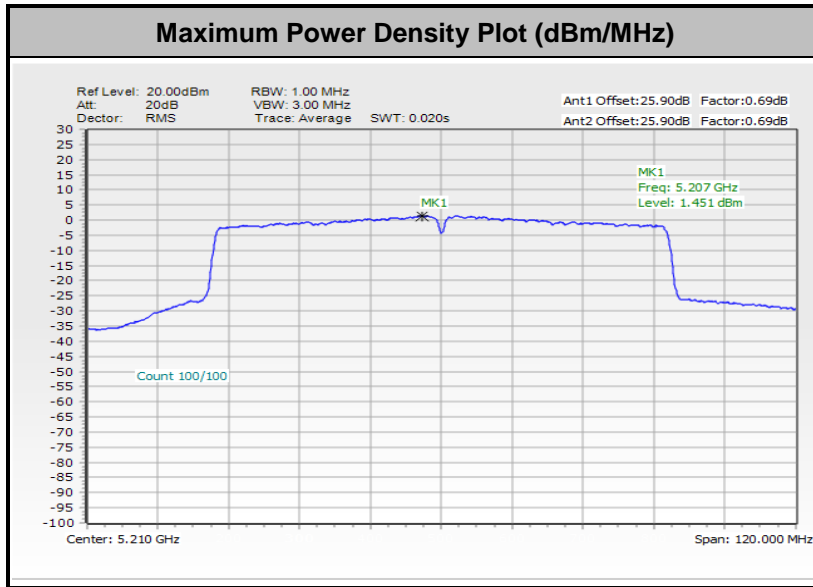


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

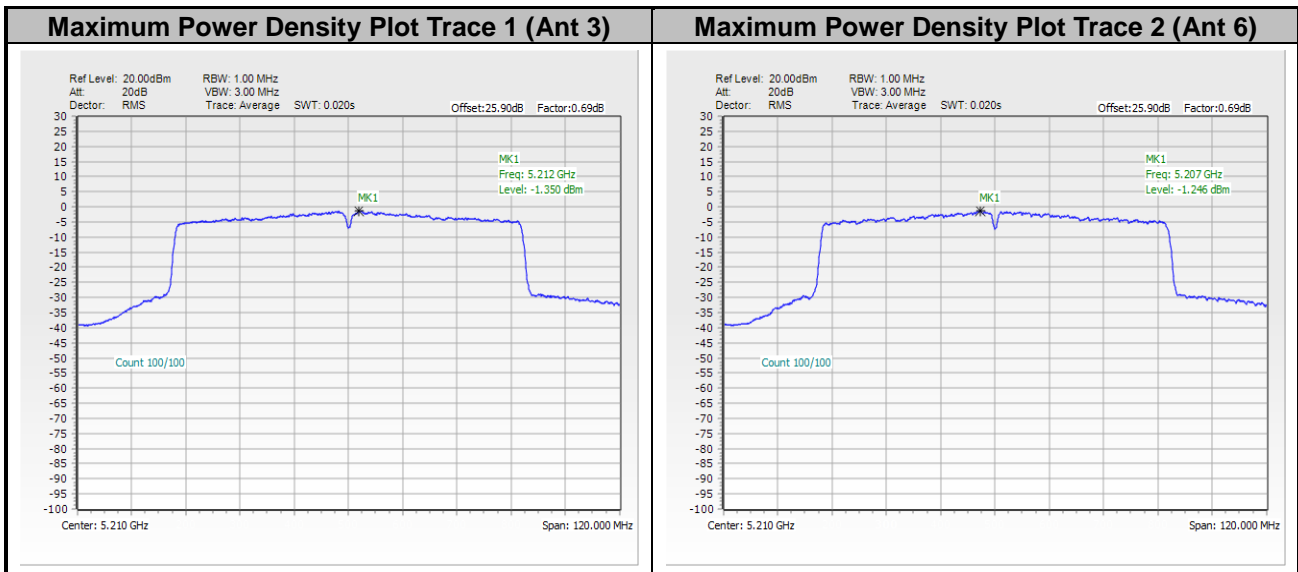




<802.11ac VHT80>

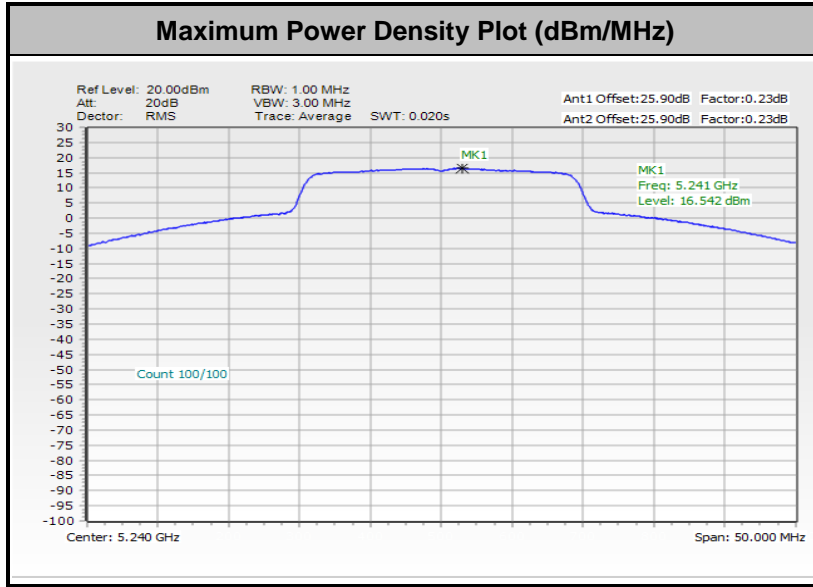


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

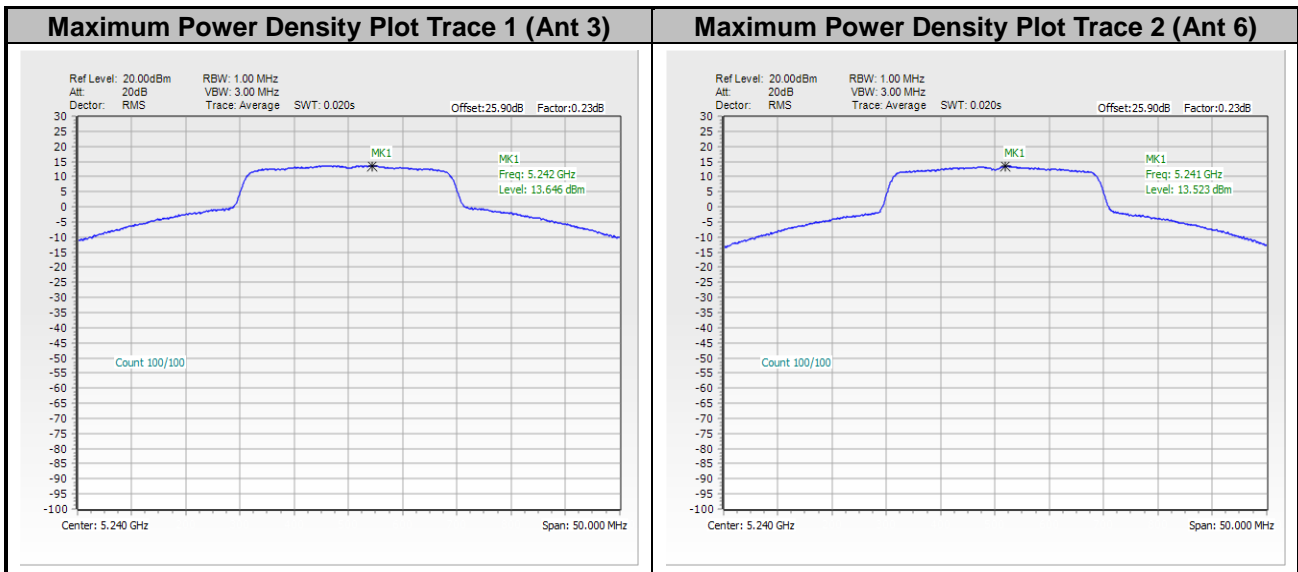




<802.11ax HE20>

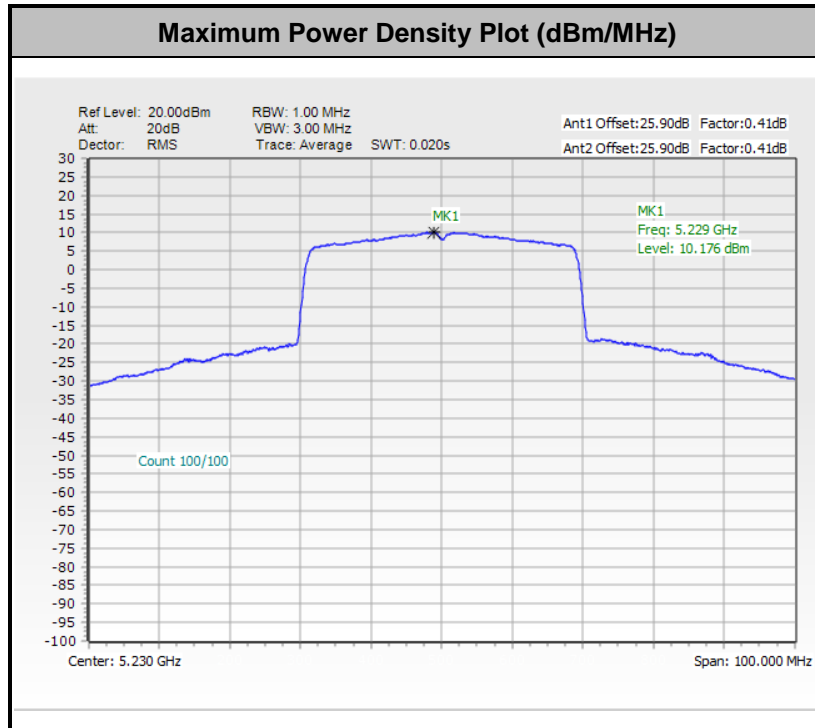


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

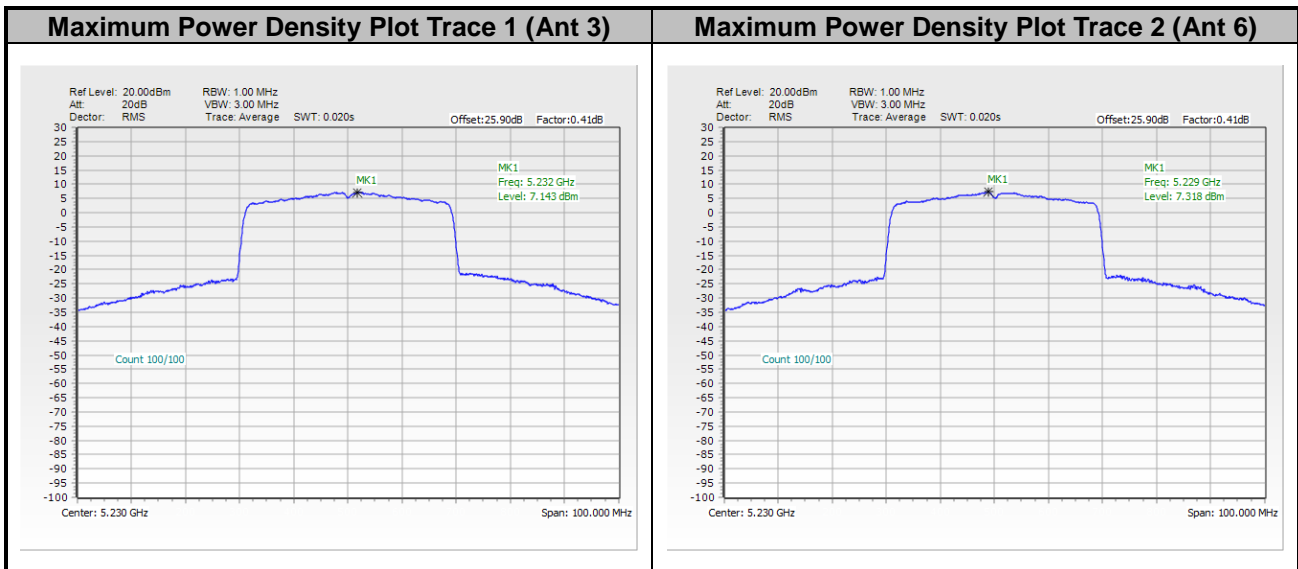




<802.11ax HE40>



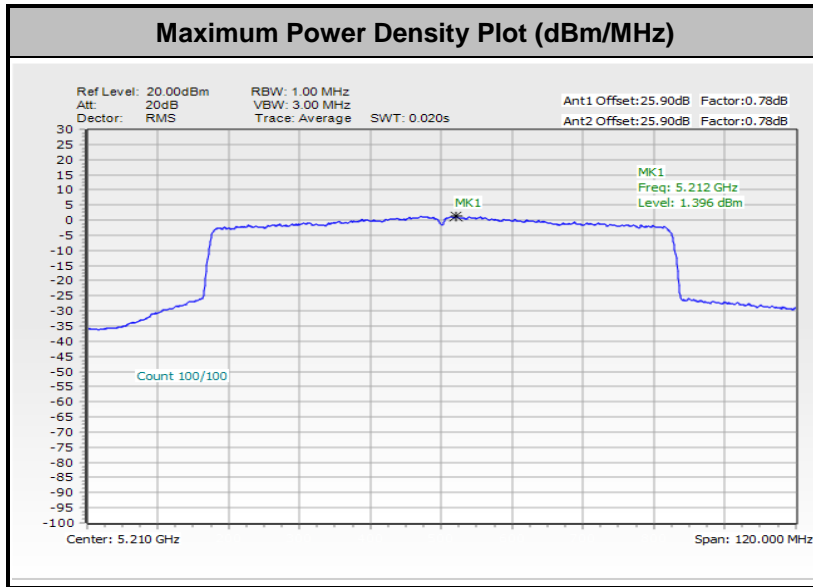
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



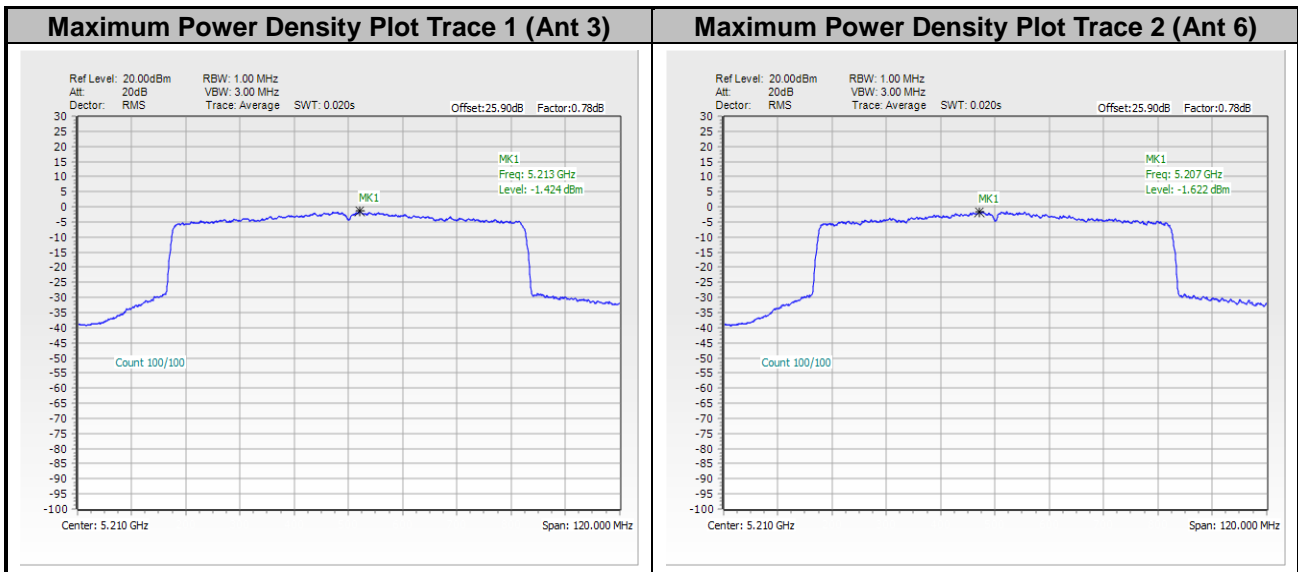




<802.11ax HE80>



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





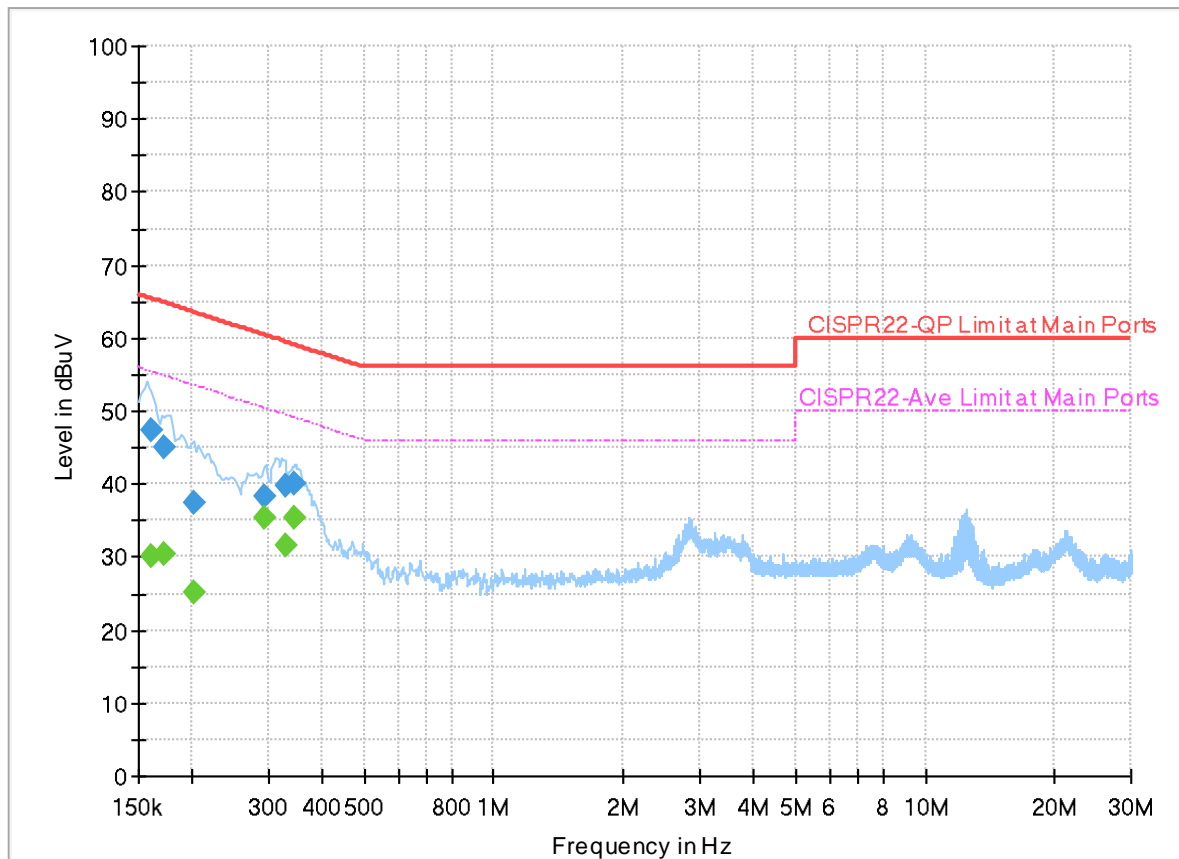
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	22.2~23°C
		Relative Humidity :	47.9~53.2%

## EUT Information

Report NO : 3D0631  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



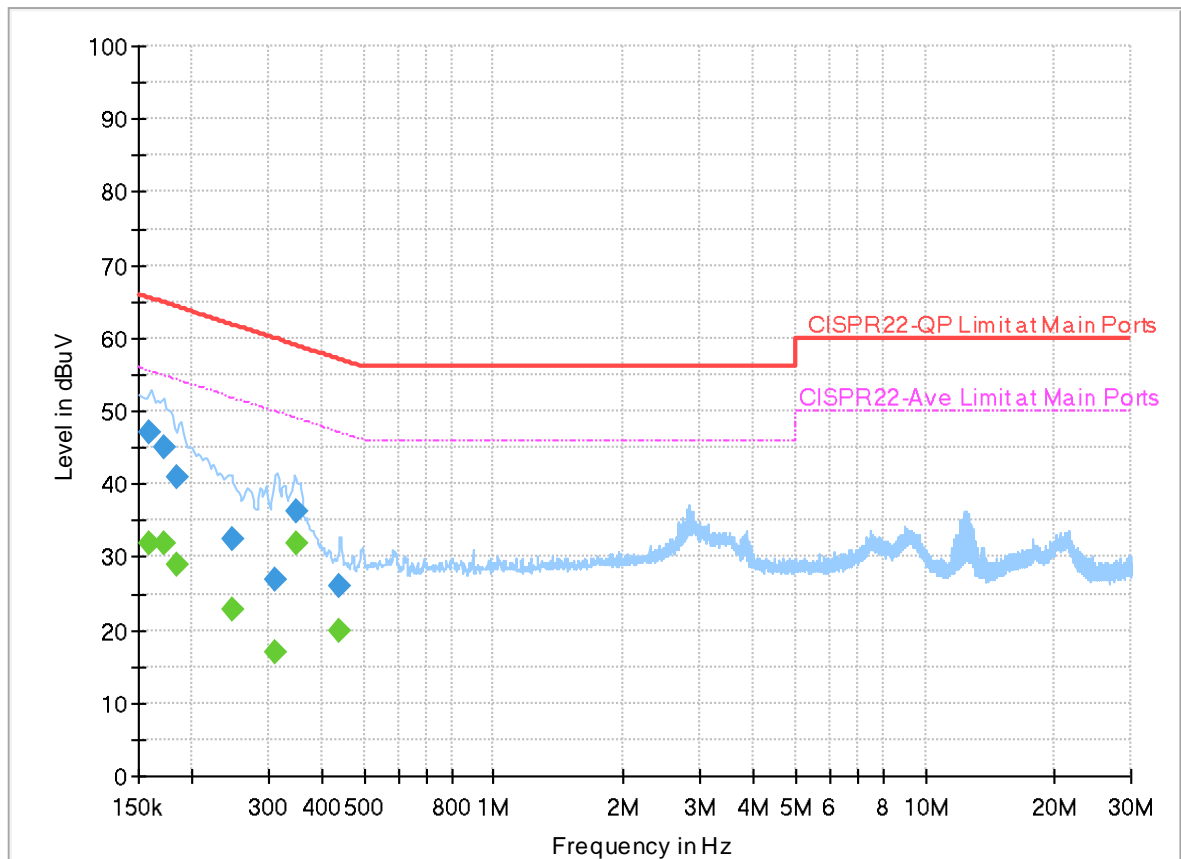
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161160	---	30.21	55.40	25.19	L1	OFF	19.9
0.161160	47.34	---	65.40	18.06	L1	OFF	19.9
0.172500	---	30.41	54.84	24.43	L1	OFF	19.9
0.172500	44.93	---	64.84	19.91	L1	OFF	19.9
0.201930	---	25.18	53.53	28.35	L1	OFF	19.9
0.201930	37.50	---	63.53	26.03	L1	OFF	19.9
0.295170	---	35.35	50.38	15.03	L1	OFF	19.9
0.295170	38.35	---	60.38	22.03	L1	OFF	19.9
0.327390	---	31.57	49.52	17.95	L1	OFF	19.9
0.327390	39.89	---	59.52	19.63	L1	OFF	19.9
0.344580	---	35.35	49.09	13.74	L1	OFF	19.9
0.344580	39.99	---	59.09	19.10	L1	OFF	19.9

## EUT Information

Report NO : 3D0631  
 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)
0.158640	---	31.82	55.54	23.72	N	OFF	19.9
0.158640	47.01	---	65.54	18.53	N	OFF	19.9
0.172860	---	31.94	54.82	22.88	N	OFF	19.9
0.172860	45.12	---	64.82	19.70	N	OFF	19.9
0.183840	---	28.95	54.31	25.36	N	OFF	19.9
0.183840	40.88	---	64.31	23.43	N	OFF	19.9
0.247560	---	22.82	51.84	29.02	N	OFF	19.9
0.247560	32.58	---	61.84	29.26	N	OFF	19.9
0.310290	---	16.84	49.96	33.12	N	OFF	19.9
0.310290	26.79	---	59.96	33.17	N	OFF	19.9
0.349890	---	31.87	48.97	17.10	N	OFF	19.9
0.349890	36.17	---	58.97	22.80	N	OFF	19.9
0.438000	---	19.82	47.10	27.28	N	OFF	19.9
0.438000	26.04	---	57.10	31.06	N	OFF	19.9



### Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Quentin Liu, and Bigshow Wang	Temperature :	21.4~23.1°C
		Relative Humidity :	51~58%

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

WIFI Ant.	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11a CH 36 5180MHz		5148	59.56	-14.44	74	54.91	32.95	8.32	36.62	100	41	P	H	
		5148.2	48.11	-5.89	54	43.46	32.95	8.32	36.62	100	41	A	H	
	*	5180	113.32	-	-	108.67	32.92	8.35	36.62	100	41	P	H	
	*	5180	107.11	-	-	102.46	32.92	8.35	36.62	100	41	A	H	
													H	
			5149.8	57.36	-16.64	74	52.71	32.95	8.32	36.62	269	0	P	V
			5150	50.7	-3.3	54	46.05	32.95	8.32	36.62	269	0	A	V
	*		5180	114.97	-	-	110.32	32.92	8.35	36.62	269	0	P	V
	*		5180	104.79	-	-	100.14	32.92	8.35	36.62	269	0	A	V
														V
802.11a CH 44 5220MHz		5147.43	59.09	-14.91	74	54.44	32.95	8.32	36.62	112	50	P	H	
		5147.2	50.12	-3.88	54	45.47	32.95	8.32	36.62	112	50	A	H	
	*	5220	114.4	-	-	109.75	32.88	8.38	36.61	112	50	P	H	
	*	5220	108.63	-	-	103.98	32.88	8.38	36.61	112	50	A	H	
			5382	53.33	-20.67	74	48.68	32.8	8.44	36.59	112	50	P	H
			5378.36	45.53	-8.47	54	40.88	32.8	8.44	36.59	112	50	A	H
			5149.5	64.96	-9.04	74	60.31	32.95	8.32	36.62	197	345	P	V
			5149.96	52.73	-1.27	54	48.08	32.95	8.32	36.62	197	345	A	V
	*		5220	114.89	-	-	110.24	32.88	8.38	36.61	197	345	P	V
	*		5220	108.36	-	-	103.71	32.88	8.38	36.61	197	345	A	V
			5381.22	54.82	-19.18	74	50.17	32.8	8.44	36.59	197	345	P	V
			5382.26	47.29	-6.71	54	42.64	32.8	8.44	36.59	197	345	A	V



WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5150	60.59	-13.41	74	55.94	32.95	8.32	36.62	100	52	P	H
		5149	49.13	-4.87	54	44.48	32.95	8.32	36.62	100	52	A	H
	*	5240	115.47	-	-	110.83	32.86	8.39	36.61	100	52	P	H
	*	5240	108.69	-	-	104.05	32.86	8.39	36.61	100	52	A	H
		5359.68	61.26	-12.74	74	56.63	32.8	8.43	36.6	100	52	P	H
		5350.08	48.88	-5.12	54	44.25	32.8	8.43	36.6	100	52	A	H
		5147.75	62.09	-11.91	74	57.44	32.95	8.32	36.62	222	0	P	V
		5149.25	52.07	-1.93	54	47.42	32.95	8.32	36.62	222	0	A	V
	*	5240	115.63	-	-	110.99	32.86	8.39	36.61	222	0	P	V
	*	5240	108.63	-	-	103.99	32.86	8.39	36.61	222	0	A	V
		5364.96	62.07	-11.93	74	57.43	32.8	8.44	36.6	222	0	P	V
		5350.08	50.85	-3.15	54	46.22	32.8	8.43	36.6	222	0	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 802.11a (Harmonic @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	52.47	-15.73	68.2	59.31	38.54	12.48	57.86	100	353	P	H	
		15540	47.39	-26.61	74	50.61	38.28	15.82	57.32	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10360	56.26	-11.94	68.2	63.1	38.54	12.48	57.86	298	194	P	V
			15540	47.4	-26.6	74	50.62	38.28	15.82	57.32	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	53.22	-14.98	68.2	59.93	38.58	12.53	57.82	204	2	P	H	
		15660	48.88	-25.12	74	52.25	38.08	15.91	57.36	213	67	P	H	
		15660	41.88	-12.12	54	45.25	38.08	15.91	57.36	213	67	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	55.94	-12.26	68.2	62.65	38.58	12.53	57.82	100	11	P	V
			15660	49.74	-24.26	74	53.11	38.08	15.91	57.36	121	84	P	V
		15660	42.65	-11.35	54	46.02	38.08	15.91	57.36	121	84	A	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	





WiFi Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	54.24	-13.96	68.2	60.91	38.59	12.55	57.81	298	332	P	H	
		15720	51.91	-22.09	74	55.36	37.98	15.96	57.39	100	27	P	H	
		15720	45.86	-8.14	54	49.31	37.98	15.96	57.39	100	27	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	59.58	-8.62	68.2	66.25	38.59	12.55	57.81	100	226	P	V
			15720	48.84	-25.16	74	52.29	37.98	15.96	57.39	286	91	P	V
			15720	44.2	-9.8	54	47.65	37.98	15.96	57.39	286	91	A	V
														V
														V
														V
														V
														V
														V
													V	
<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 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		5148.6	59.28	-14.72	74	54.63	32.95	8.32	36.62	307	52	P	H	
		5148.4	50.56	-3.44	54	45.91	32.95	8.32	36.62	307	52	A	H	
	*	5180	113.09	-	-	108.44	32.92	8.35	36.62	307	52	P	H	
	*	5180	106.77	-	-	102.12	32.92	8.35	36.62	307	52	A	H	
													H	
														H
			5147.4	60.46	-13.54	74	55.81	32.95	8.32	36.62	243	10	P	V
			5148.2	52.39	-1.61	54	47.74	32.95	8.32	36.62	243	10	A	V
		*	5180	114.29	-	-	109.64	32.92	8.35	36.62	243	10	P	V
		*	5180	107.37	-	-	102.72	32.92	8.35	36.62	243	10	A	V
													V	
													V	
802.11n HT20 CH 48 5240MHz		5149.25	61.2	-12.8	74	56.55	32.95	8.32	36.62	100	42	P	H	
		5149.5	48.98	-5.02	54	44.33	32.95	8.32	36.62	100	42	A	H	
	*	5240	114.72	-	-	110.08	32.86	8.39	36.61	100	42	P	H	
	*	5240	108.09	-	-	103.45	32.86	8.39	36.61	100	42	A	H	
			5354.88	61.59	-12.41	74	56.96	32.8	8.43	36.6	100	42	P	H
			5352	49.93	-4.07	54	45.3	32.8	8.43	36.6	100	42	A	H
			5140	61.8	-12.2	74	57.15	32.96	8.31	36.62	303	11	P	V
			5150	52.32	-1.68	54	47.67	32.95	8.32	36.62	303	11	A	V
		*	5240	116.1	-	-	111.46	32.86	8.39	36.61	303	11	P	V
		*	5240	108.17	-	-	103.53	32.86	8.39	36.61	303	11	A	V
		5353.2	65.51	-8.49	74	60.88	32.8	8.43	36.6	303	11	P	V	
		5351.52	52.8	-1.2	54	48.17	32.8	8.43	36.6	303	11	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 48 5240MHz		10480	56.45	-11.75	68.2	63.12	38.59	12.55	57.81	100	230	P	H	
		15720	56.77	-17.23	74	60.22	37.98	15.96	57.39	100	28	P	H	
		15720	46.67	-7.33	54	50.12	37.98	15.96	57.39	100	28	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10480	52.13	-16.07	68.2	58.8	38.59	12.55	57.81	341	329	P	V
			15720	53.02	-20.98	74	56.47	37.98	15.96	57.39	100	37	P	V
			15720	43.86	-10.14	54	47.31	37.98	15.96	57.39	100	37	A	V
														V
														V
														V
														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 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 38 5190MHz		5147.62	57.85	-16.15	74	53.2	32.95	8.32	36.62	100	45	P	H
		5148.06	49.8	-4.2	54	45.15	32.95	8.32	36.62	100	45	A	H
	*	5190	108.42	-	-	103.77	32.91	8.36	36.62	100	45	P	H
	*	5190	102.87	-	-	98.22	32.91	8.36	36.62	100	45	A	H
		5351.1	49.73	-24.27	74	45.1	32.8	8.43	36.6	100	45	P	H
		5350.8	42.15	-11.85	54	37.52	32.8	8.43	36.6	100	45	A	H
		5149.38	60.6	-13.4	74	55.95	32.95	8.32	36.62	277	0	P	V
		5150	52.11	-1.89	54	47.46	32.95	8.32	36.62	277	0	A	V
	*	5190	110.46	-	-	105.81	32.91	8.36	36.62	277	0	P	V
	*	5190	104.17	-	-	99.52	32.91	8.36	36.62	277	0	A	V
		5352	50.09	-23.91	74	45.46	32.8	8.43	36.6	277	0	P	V
		5351.1	43.35	-10.65	54	38.72	32.8	8.43	36.6	277	0	A	V
802.11n HT40 CH 46 5230MHz		5142.22	61.32	-12.68	74	56.66	32.96	8.32	36.62	100	47	P	H
		5145.86	49.42	-4.58	54	44.77	32.95	8.32	36.62	100	47	A	H
	*	5230	110.81	-	-	106.17	32.87	8.38	36.61	100	47	P	H
	*	5230	104.63	-	-	99.99	32.87	8.38	36.61	100	47	A	H
		5352.62	57.2	-16.8	74	52.57	32.8	8.43	36.6	100	47	P	H
		5389.02	42.6	-11.4	54	37.94	32.8	8.45	36.59	100	47	A	H
		5148.98	64.71	-9.29	74	60.06	32.95	8.32	36.62	221	11	P	V
		5149.5	52.18	-1.82	54	47.53	32.95	8.32	36.62	221	11	A	V
	*	5230	111.77	-	-	107.13	32.87	8.38	36.61	221	11	P	V
	*	5230	105.54	-	-	100.9	32.87	8.38	36.61	221	11	A	V
	5354.7	57.19	-16.81	74	52.56	32.8	8.43	36.6	221	11	P	V	
	5350.02	44.55	-9.45	54	39.92	32.8	8.43	36.6	221	11	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 36 5180MHz		5148.8	59.8	-14.2	74	55.15	32.95	8.32	36.62	287	52	P	H	
		5148.4	51.6	-2.4	54	46.95	32.95	8.32	36.62	287	52	A	H	
	*	5180	113.28	-	-	108.63	32.92	8.35	36.62	287	52	P	H	
	*	5180	106.91	-	-	102.26	32.92	8.35	36.62	287	52	A	H	
													H	
														H
			5150	60.87	-13.13	74	56.22	32.95	8.32	36.62	241	0	P	V
			5150	52.56	-1.44	54	47.91	32.95	8.32	36.62	241	0	A	V
		*	5180	114.26	-	-	109.61	32.92	8.35	36.62	241	0	P	V
		*	5180	107.24	-	-	102.59	32.92	8.35	36.62	241	0	A	V
													V	
													V	
802.11ac VHT20 CH 48 5240MHz		5140.75	49.69	-24.31	74	45.04	32.96	8.31	36.62	251	30	P	H	
		5148.25	40.54	-13.46	54	35.89	32.95	8.32	36.62	251	30	A	H	
	*	5240	113.08	-	-	108.44	32.86	8.39	36.61	251	30	P	H	
	*	5240	106.92	-	-	102.28	32.86	8.39	36.61	251	30	A	H	
			5355.84	56.11	-17.89	74	51.48	32.8	8.43	36.6	251	30	P	H
			5401.92	47.1	-6.9	54	42.44	32.8	8.45	36.59	251	30	A	H
			5142	57.36	-16.64	74	52.71	32.96	8.31	36.62	337	360	P	V
			5080.75	45.42	-8.58	54	40.75	33.04	8.26	36.63	337	360	A	V
		*	5240	114.2	-	-	109.56	32.86	8.39	36.61	337	360	P	V
		*	5240	108.14	-	-	103.5	32.86	8.39	36.61	337	360	A	V
		5351.52	62.08	-11.92	74	57.45	32.8	8.43	36.6	337	360	P	V	
		5402.16	47.85	-6.15	54	43.19	32.8	8.45	36.59	337	360	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT20 CH 48 5240MHz		10480	57.24	-10.96	68.2	63.91	38.59	12.55	57.81	100	226	P	H	
		15720	56.57	-17.43	74	60.02	37.98	15.96	57.39	100	26	P	H	
		15720	46.96	-7.04	54	50.41	37.98	15.96	57.39	100	26	A	H	
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			10480	54.28	-13.92	68.2	60.95	38.59	12.55	57.81	344	138	P	V
			15720	53.33	-20.67	74	56.78	37.98	15.96	57.39	297	90	P	V
			15720	44.61	-9.39	54	48.06	37.98	15.96	57.39	297	90	A	V
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<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT40 CH 38 5190MHz		5146.96	58.87	-15.13	74	54.22	32.95	8.32	36.62	100	50	P	H
		5148.94	49.34	-4.66	54	44.69	32.95	8.32	36.62	100	50	A	H
	*	5190	108.88	-	-	104.23	32.91	8.36	36.62	100	50	P	H
	*	5190	103.18	-	-	98.53	32.91	8.36	36.62	100	50	A	H
		5356.5	48.29	-25.71	74	43.66	32.8	8.43	36.6	100	50	P	H
		5351.4	41.61	-12.39	54	36.98	32.8	8.43	36.6	100	50	A	H
		5146.52	60.19	-13.81	74	55.54	32.95	8.32	36.62	300	354	P	V
		5150	51.54	-2.46	54	46.89	32.95	8.32	36.62	300	354	A	V
	*	5190	110.65	-	-	106	32.91	8.36	36.62	300	354	P	V
	*	5190	104.4	-	-	99.75	32.91	8.36	36.62	300	354	A	V
		5356.2	50.05	-23.95	74	45.42	32.8	8.43	36.6	300	354	P	V
		5351.4	42.94	-11.06	54	38.31	32.8	8.43	36.6	300	354	A	V
802.11ac VHT40 CH 46 5230MHz		5150.02	59.97	-90.03	150	55.32	32.95	8.32	36.62	204	44	P	H
		5148.98	48.46	-5.54	54	43.81	32.95	8.32	36.62	204	44	A	H
	*	5230	111.91	-	-	107.27	32.87	8.38	36.61	204	44	P	H
	*	5230	104.91	-	-	100.27	32.87	8.38	36.61	204	44	A	H
		5350.54	55.29	-18.71	74	50.66	32.8	8.43	36.6	204	44	P	H
		5350.28	43.57	-10.43	54	38.94	32.8	8.43	36.6	204	44	A	H
		5126.62	64.51	-9.49	74	59.86	32.97	8.3	36.62	248	11	P	V
		5148.98	50.42	-3.58	54	45.77	32.95	8.32	36.62	248	11	A	V
	*	5230	112.36	-	-	107.72	32.87	8.38	36.61	248	11	P	V
	*	5230	105.66	-	-	101.02	32.87	8.38	36.61	248	11	A	V
	5350.28	54.81	-19.19	74	50.18	32.8	8.43	36.6	248	11	P	V	
	5350.02	43.8	-10.2	54	39.17	32.8	8.43	36.6	248	11	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5146.64	60.71	-13.29	74	56.06	32.95	8.32	36.62	100	51	P	H
		5145.6	51.16	-2.84	54	46.51	32.95	8.32	36.62	100	51	A	H
	*	5210	102.73	-	-	98.08	32.89	8.37	36.61	100	51	P	H
	*	5210	96.4	-	-	91.75	32.89	8.37	36.61	100	51	A	H
		5370	47.81	-26.19	74	43.17	32.8	8.44	36.6	100	51	P	H
		5361	38.73	-15.27	54	34.1	32.8	8.43	36.6	100	51	A	H
		5141.7	59.99	-14.01	74	55.34	32.96	8.31	36.62	287	0	P	V
		5149.76	52.33	-1.67	54	47.68	32.95	8.32	36.62	287	0	A	V
	*	5210	104.13	-	-	99.48	32.89	8.37	36.61	287	0	P	V
	*	5210	97.05	-	-	92.4	32.89	8.37	36.61	287	0	A	V
		5350.8	48.66	-25.34	74	44.03	32.8	8.43	36.6	287	0	P	V
	5351.1	40.16	-13.84	54	35.53	32.8	8.43	36.6	287	0	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 (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5145	60.88	-13.12	74	56.22	32.96	8.32	36.62	100	53	P	H	
		5150	51.46	-2.54	54	46.81	32.95	8.32	36.62	100	53	A	H	
	*	5180	113.06	-	-	108.41	32.92	8.35	36.62	100	53	P	H	
	*	5180	106.48	-	-	101.83	32.92	8.35	36.62	100	53	A	H	
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			5145.8	59.26	-14.74	74	54.61	32.95	8.32	36.62	308	358	P	V
			5150	52.25	-1.75	54	47.6	32.95	8.32	36.62	308	358	A	V
		*	5180	114.06	-	-	109.41	32.92	8.35	36.62	308	358	P	V
		*	5180	106.48	-	-	101.83	32.92	8.35	36.62	308	358	A	V
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802.11ax HE20 Full CH 44 5220MHz		5148.81	58.05	-15.95	74	53.4	32.95	8.32	36.62	100	50	P	H	
		5148.81	50.34	-3.66	54	45.69	32.95	8.32	36.62	100	50	A	H	
		*	5220	114.83	-	-	110.18	32.88	8.38	36.61	100	50	P	H
		*	5220	107.64	-	-	102.99	32.88	8.38	36.61	100	50	A	H
			5382	51.8	-22.2	74	47.15	32.8	8.44	36.59	100	50	P	H
			5381.74	44.97	-9.03	54	40.32	32.8	8.44	36.59	100	50	A	H
			5146.05	60.45	-13.55	74	55.8	32.95	8.32	36.62	318	9	P	V
			5148.12	52.02	-1.98	54	47.37	32.95	8.32	36.62	318	9	A	V
		*	5220	114.76	-	-	110.11	32.88	8.38	36.61	318	9	P	V
		*	5220	106.8	-	-	102.15	32.88	8.38	36.61	318	9	A	V
		5373.42	54.06	-19.94	74	49.42	32.8	8.44	36.6	318	9	P	V	
		5378.36	45.31	-8.69	54	40.66	32.8	8.44	36.59	318	9	A	V	



WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5148.25	57.86	-16.14	74	53.21	32.95	8.32	36.62	100	52	P	H
		5150	46.72	-7.28	54	42.07	32.95	8.32	36.62	100	52	A	H
	*	5240	115.62	-	-	110.98	32.86	8.39	36.61	100	52	P	H
	*	5240	107.85	-	-	103.21	32.86	8.39	36.61	100	52	A	H
		5353.68	58.56	-15.44	74	53.93	32.8	8.43	36.6	100	52	P	H
		5350.08	46.57	-7.43	54	41.94	32.8	8.43	36.6	100	52	A	H
		5147.75	59.95	-14.05	74	55.3	32.95	8.32	36.62	305	358	P	V
		5149.75	48.15	-5.85	54	43.5	32.95	8.32	36.62	305	358	A	V
	*	5240	115.06	-	-	110.42	32.86	8.39	36.61	305	358	P	V
	*	5240	108.02	-	-	103.38	32.86	8.39	36.61	305	358	A	V
		5352.72	60.31	-13.69	74	55.68	32.8	8.43	36.6	305	358	P	V
		5350.08	48.82	-5.18	54	44.19	32.8	8.43	36.6	305	358	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. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	54.74	-13.46	68.2	61.58	38.54	12.48	57.86	197	3	P	H	
		15540	47.91	-26.09	74	51.13	38.28	15.82	57.32	-	-	P	H	
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			10360	57.48	-10.72	68.2	64.32	38.54	12.48	57.86	100	274	P	V
			15540	50.36	-23.64	74	53.58	38.28	15.82	57.32	100	95	P	V
			15540	41.21	-12.79	54	44.43	38.28	15.82	57.32	100	95	A	V
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WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	51.51	-16.69	68.2	58.22	38.58	12.53	57.82	-	-	P	H
		15660	47	-27	74	50.37	38.08	15.91	57.36	-	-	P	H
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			10440	53.74	-14.46	68.2	60.45	38.58	12.53	57.82	-	-	P
		15660	47.56	-26.44	74	50.93	38.08	15.91	57.36	-	-	P	V
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WiFi Ant. 3+6	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (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	50.08	-18.12	68.2	56.75	38.59	12.55	57.81	-	-	P	H	
		15720	53.83	-20.17	74	57.28	37.98	15.96	57.39	100	28	P	H	
		15720	45.73	-8.27	54	49.18	37.98	15.96	57.39	100	28	A	H	
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			10480	53.94	-14.26	68.2	60.61	38.59	12.55	57.81	-	-	P	V
			15720	54.35	-19.65	74	57.8	37.98	15.96	57.39	299	353	P	V
			15720	44.89	-9.11	54	48.34	37.98	15.96	57.39	299	353	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 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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		5136.18	59.06	-14.94	74	54.41	32.96	8.31	36.62	100	49	P	H	
		5149.38	49.76	-4.24	54	45.11	32.95	8.32	36.62	100	49	A	H	
	*	5190	108.92	-	-	104.27	32.91	8.36	36.62	100	49	P	H	
	*	5190	102.49	-	-	97.84	32.91	8.36	36.62	100	49	A	H	
		5352.6	49.41	-24.59	74	44.78	32.8	8.43	36.6	100	49	P	H	
		5352	41.76	-12.24	54	37.13	32.8	8.43	36.6	100	49	A	H	
		5149.16	59.31	-14.69	74	54.66	32.95	8.32	36.62	281	0	P	V	
		5150	51.86	-2.14	54	47.21	32.95	8.32	36.62	281	0	A	V	
	*	5190	110.07	-	-	105.42	32.91	8.36	36.62	281	0	P	V	
	*	5190	102.85	-	-	98.2	32.91	8.36	36.62	281	0	A	V	
		5356.2	50.9	-23.1	74	46.27	32.8	8.43	36.6	281	0	P	V	
		5350.5	43.39	-10.61	54	38.76	32.8	8.43	36.6	281	0	A	V	
	802.11ax HE40 Full CH 46 5230MHz		5149.76	60.77	-13.23	74	56.12	32.95	8.32	36.62	100	36	P	H
			5150	47.23	-6.77	54	42.58	32.95	8.32	36.62	100	36	A	H
*		5230	109.62	-	-	104.98	32.87	8.38	36.61	100	36	P	H	
*		5230	102.38	-	-	97.74	32.87	8.38	36.61	100	36	A	H	
		5362.5	57.87	-16.13	74	53.24	32.8	8.43	36.6	100	36	P	H	
		5388.76	43.01	-10.99	54	38.35	32.8	8.45	36.59	100	36	A	H	
		5149.24	64.6	-9.4	74	59.95	32.95	8.32	36.62	212	360	P	V	
		5150	50.52	-3.48	54	45.87	32.95	8.32	36.62	212	360	A	V	
*		5230	111.93	-	-	107.29	32.87	8.38	36.61	212	360	P	V	
*		5230	104.47	-	-	99.83	32.87	8.38	36.61	212	360	A	V	
	5356.26	56.93	-17.07	74	52.3	32.8	8.43	36.6	212	360	P	V		
	5351.32	42.93	-11.07	54	38.3	32.8	8.43	36.6	212	360	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. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	48.39	-19.81	68.2	55.21	38.55	12.48	57.85	-	-	P	H	
		15570	47.05	-26.95	74	50.31	38.23	15.84	57.33	-	-	P	H	
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			10380	48.44	-19.76	68.2	55.26	38.55	12.48	57.85	-	-	P	V
			15570	47.46	-26.54	74	50.72	38.23	15.84	57.33	-	-	P	V
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WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	49.66	-18.54	68.2	56.36	38.58	12.54	57.82	230	349	P	H
		15690	46.75	-27.25	74	50.16	38.03	15.94	57.38	-	-	P	H
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			10460	51.45	-16.75	68.2	58.15	38.58	12.54	57.82	295	183	P
		15690	46.78	-27.22	74	50.19	38.03	15.94	57.38	-	-	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 Full (Band Edge @ 3m)**

WIFI Ant. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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>		5150	59.39	-14.61	74	54.74	32.95	8.32	36.62	100	54	P	H
		5149.76	50.4	-3.6	54	45.75	32.95	8.32	36.62	100	54	A	H
	*	5210	103.32	-	-	98.67	32.89	8.37	36.61	100	54	P	H
	*	5210	94.96	-	-	90.31	32.89	8.37	36.61	100	54	A	H
		5417.1	47.53	-26.47	74	42.85	32.8	8.47	36.59	100	54	P	H
		5362.8	38.77	-15.23	54	34.13	32.8	8.44	36.6	100	54	A	H
		5150	59.41	-14.59	74	54.76	32.95	8.32	36.62	284	0	P	V
		5150	52.29	-1.71	54	47.64	32.95	8.32	36.62	284	0	A	V
	*	5210	104.35	-	-	99.7	32.89	8.37	36.61	284	0	P	V
	*	5210	96.58	-	-	91.93	32.89	8.37	36.61	284	0	A	V
	5358.6	47.81	-26.19	74	43.18	32.8	8.43	36.6	284	0	P	V	
	5350.5	39.93	-14.07	54	35.3	32.8	8.43	36.6	284	0	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. 3+6	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (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	46.53	-21.67	68.2	53.27	38.57	12.52	57.83	-	-	P	H
		15630	47.72	-26.28	74	51.05	38.13	15.89	57.35	-	-	P	H
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			10420	45.75	-22.45	68.2	52.49	38.57	12.52	57.83	-	-	P
		15630	46.89	-27.11	74	50.22	38.13	15.89	57.35	-	-	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>												



Emission above 18GHz

WIFI 802.11n HT20 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+6		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT20 SHF		35974	46.54	-21.66	68.2	106.48	0	-1.13	58.81	-	-	P	H
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			39560	46.35	-27.65	74	103.41	0	-0.63	56.43	-	-	P
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<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 with sufficient margin against limit line or noise floor only.												



Emission below 1GHz  
WIFI 802.11n HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
3+6		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11n HT20 LF		116.94	27.93	-15.57	43.5	41.53	17.39	1.35	32.34	-	-	P	H	
		140.52	32.93	-10.57	43.5	46.28	17.53	1.5	32.38	-	-	P	H	
		146.28	31.58	-11.92	43.5	45.14	17.26	1.56	32.38	-	-	P	H	
		707.2	32.99	-13.01	46	35.66	26.46	3.18	32.31	-	-	P	H	
		940.8	32.76	-13.24	46	30.21	29.92	3.72	31.09	-	-	P	H	
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			33.6	30.73	-9.27	40	39.6	22.79	0.74	32.4	-	-	P	V
			113.16	30.84	-12.66	43.5	44.68	17.26	1.34	32.44	-	-	P	V
			140.52	34.71	-8.79	43.5	48.07	17.53	1.5	32.39	-	-	P	V
			146.28	34.36	-9.14	43.5	47.93	17.26	1.56	32.39	-	-	P	V
			711.2	32.47	-13.53	46	35.06	26.52	3.19	32.3	-	-	P	V
			948	33.23	-12.77	46	30.08	30.43	3.75	31.03	-	-	P	V
														V
													V	
													V	
													V	
													V	

**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.



**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.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+6		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax		5150	59.39	-14.61	74	54.74	32.95	8.32	36.62	100	54	P	H
CH 42													
5210MHz		5149.76	50.4	-3.6	54	45.75	32.95	8.32	36.62	100	54	A	H

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Daniel Lee, Quentin Liu, and Bigshow Wang	Temperature :	21.4~23.1°C
		Relative Humidity :	51~58%

### Note symbol

-L	Low channel location
-R	High channel location

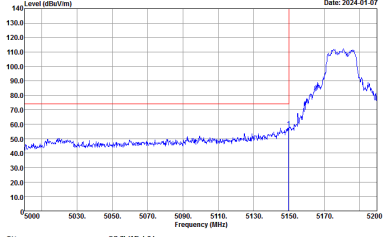
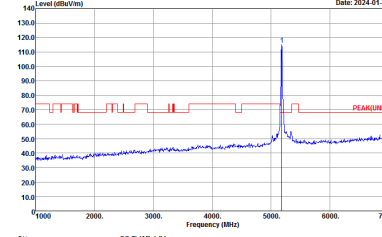
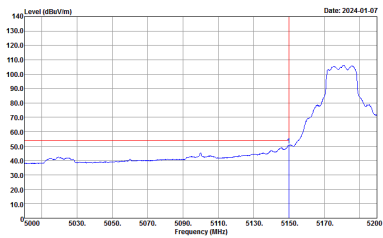
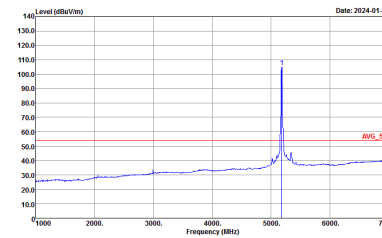


Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

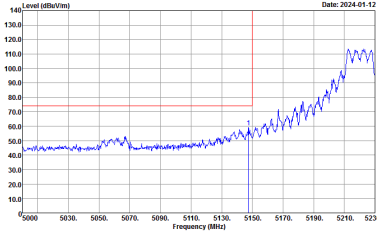
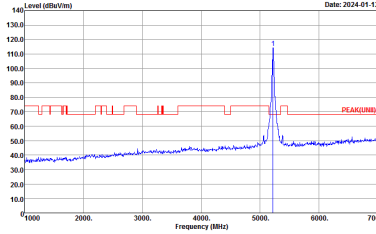
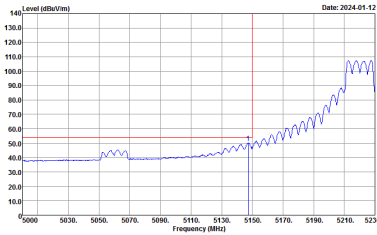
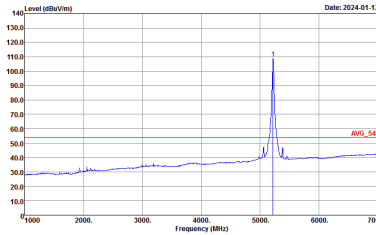
Table with 4 columns: WIFI, ANT, 3+6, and Peak/Avg. Each cell contains a spectral plot and technical details for Band 1 5150~5250MHz Band Edge @ 3m, 802.11a CH36 5180MHz.



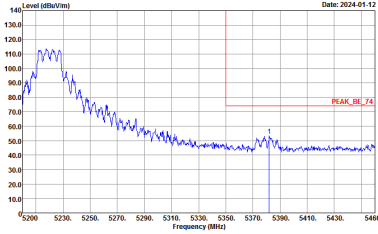
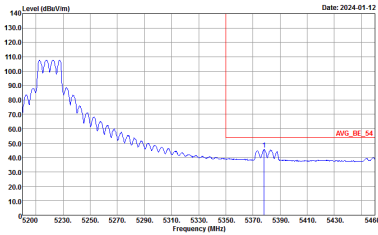


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

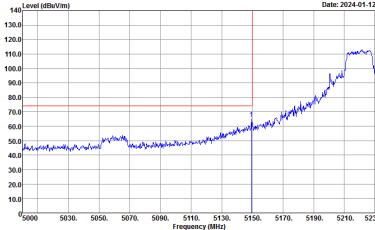
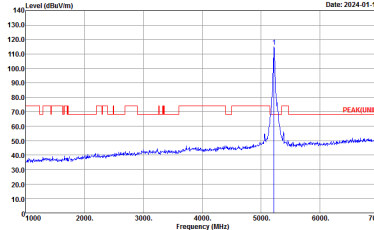
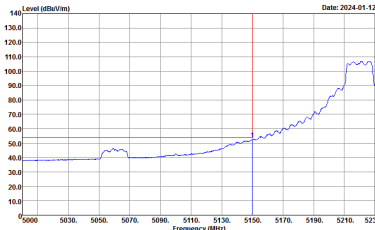
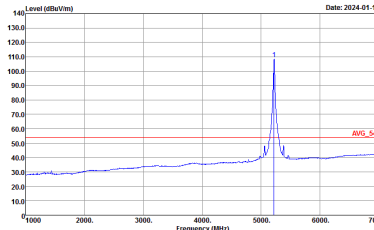


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

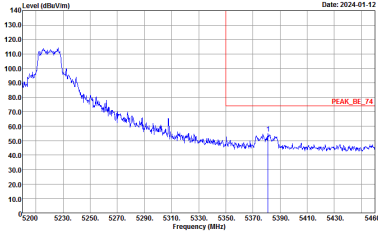
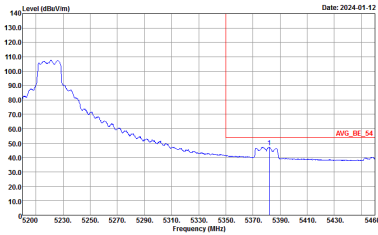


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank

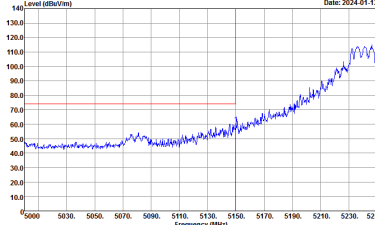
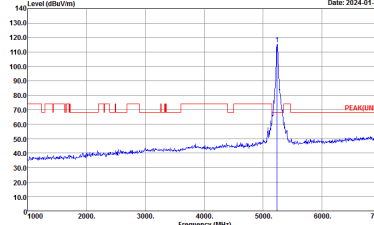
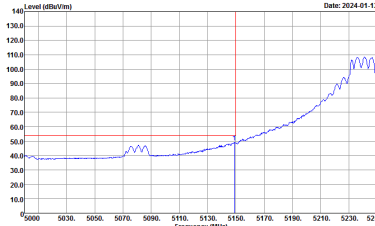
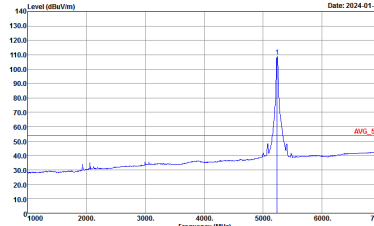


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

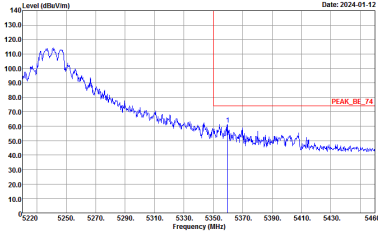
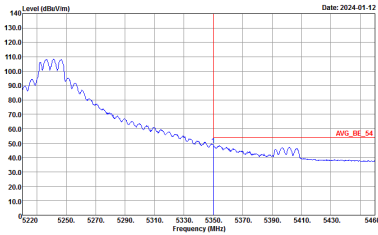


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

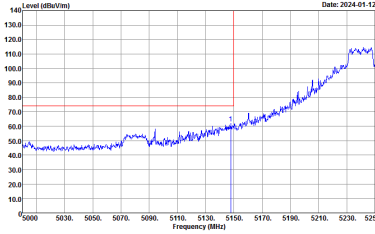
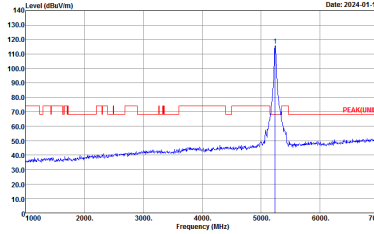
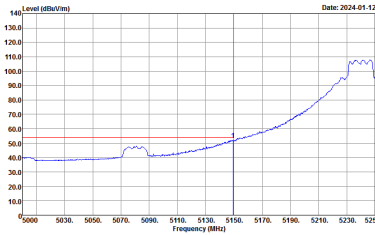
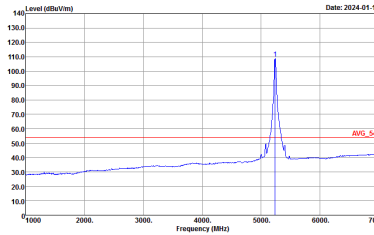


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



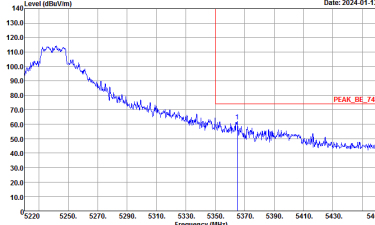
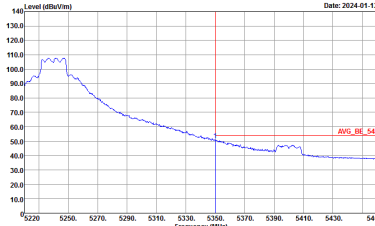
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

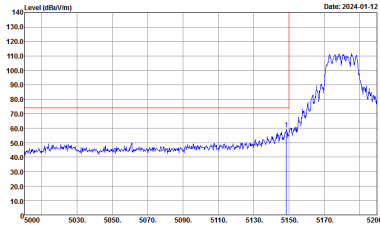
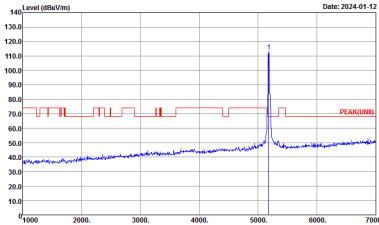
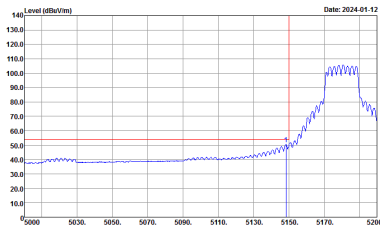
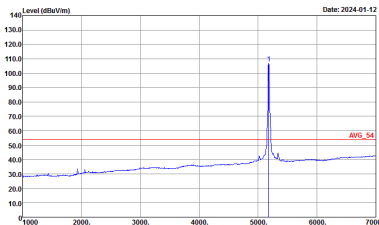




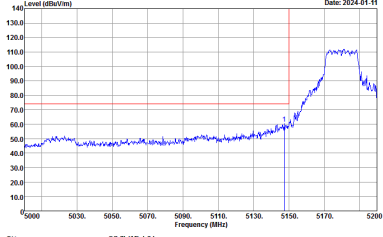
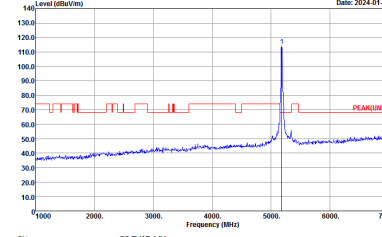
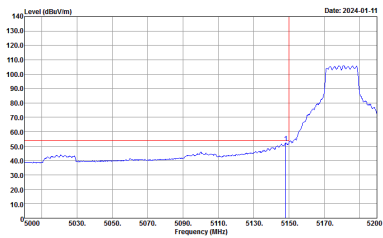
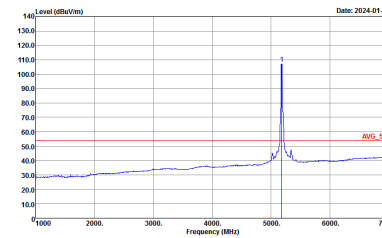
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



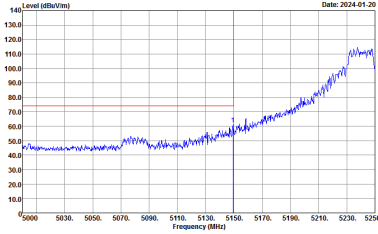
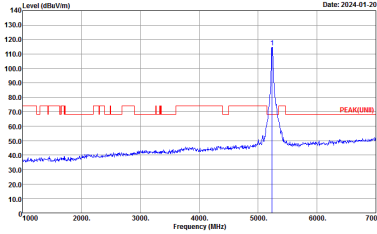
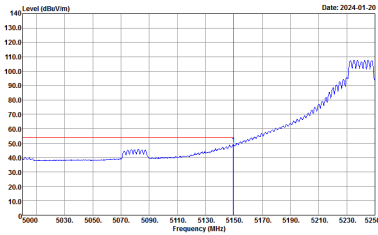
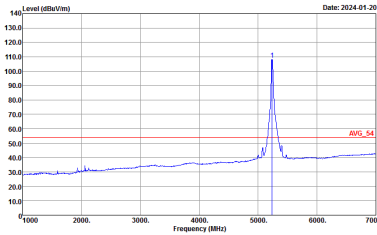
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
3+6	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

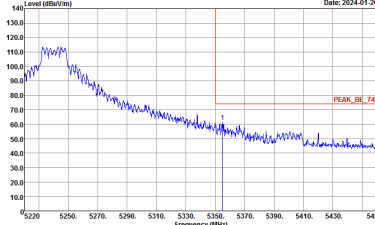
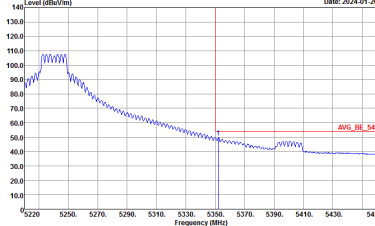


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

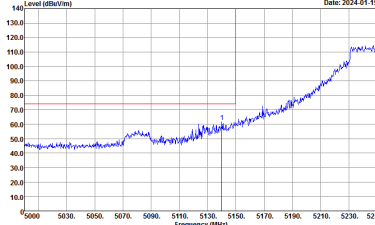
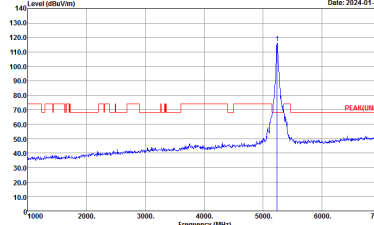
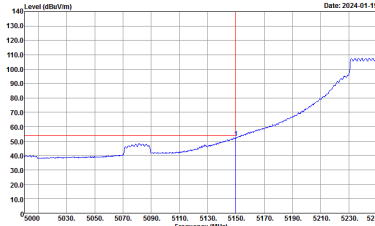
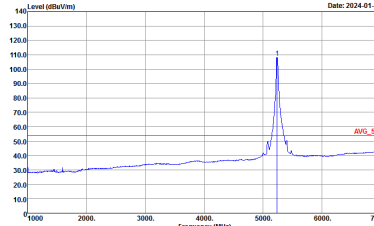


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

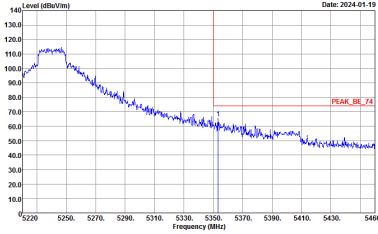
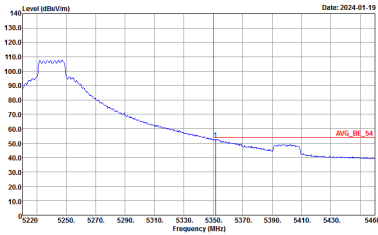


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



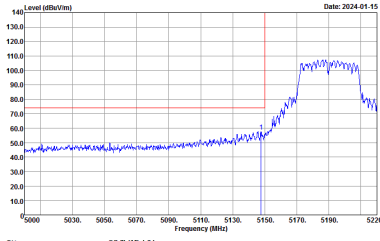
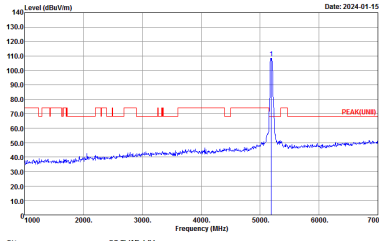
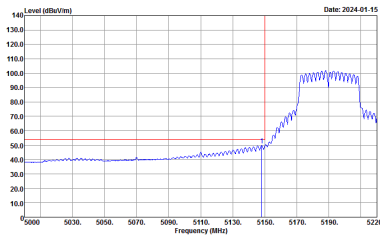
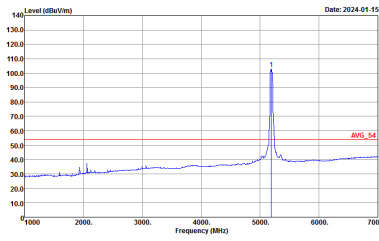
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

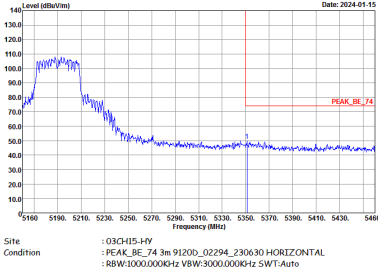
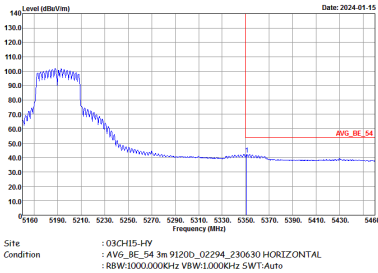


**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

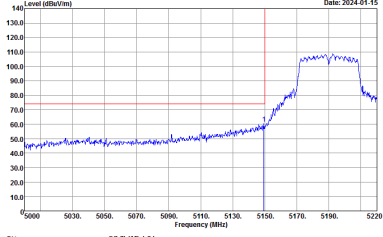
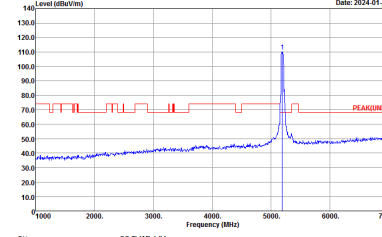
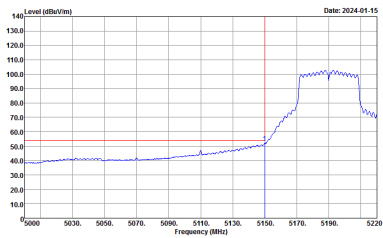
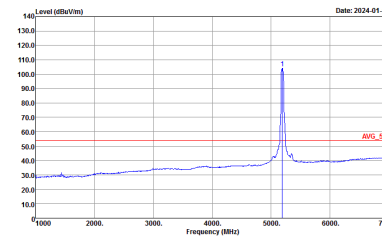
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
3+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

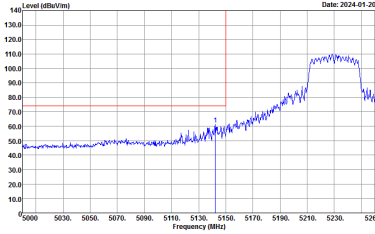
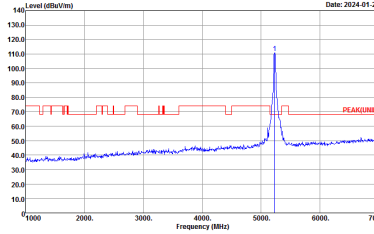
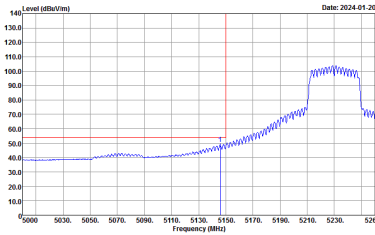
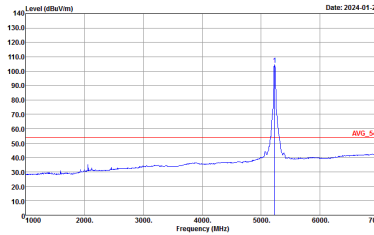


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
3+6	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

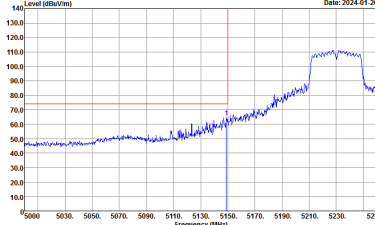
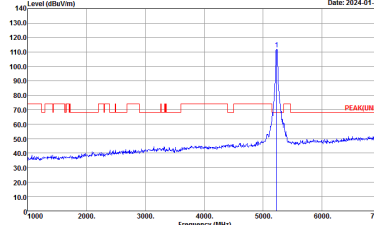
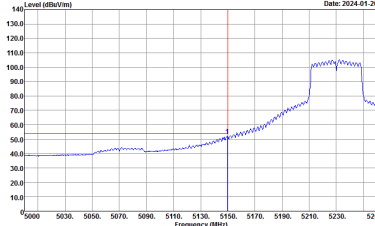
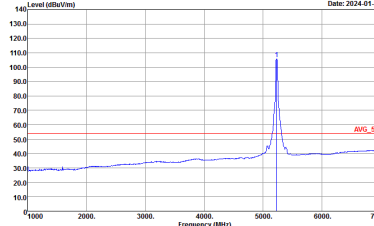


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-20</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-20</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-20</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Date: 2024-01-20</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

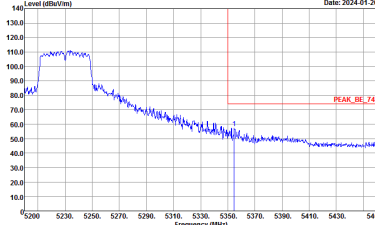
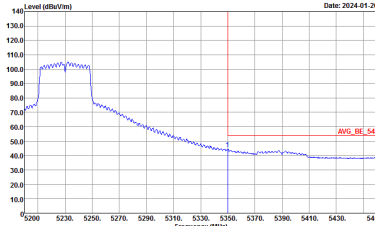


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
3+6	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



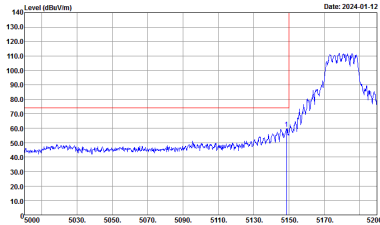
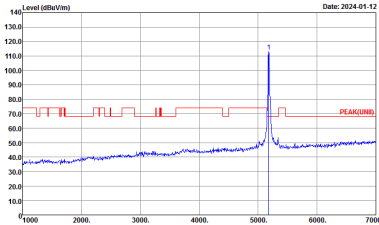
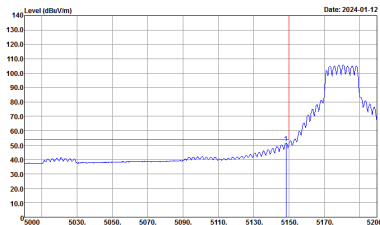
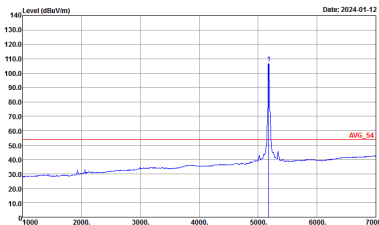
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_BE_74 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : -AVG_BE_54 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

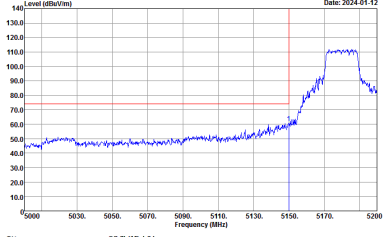
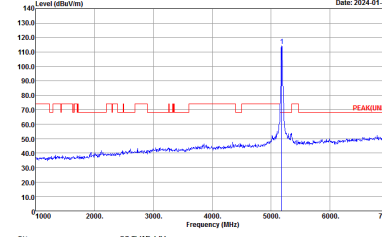
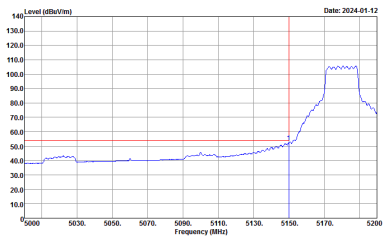
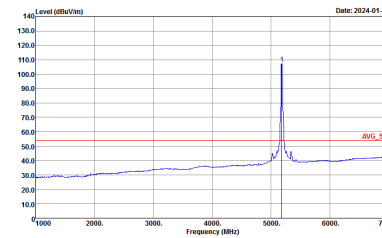


**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

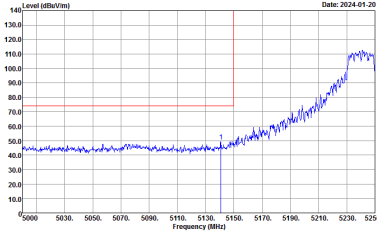
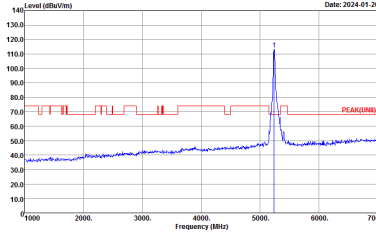
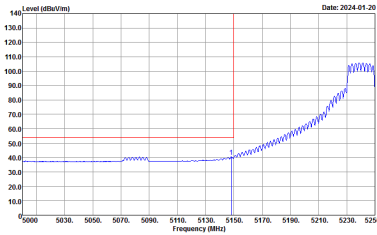
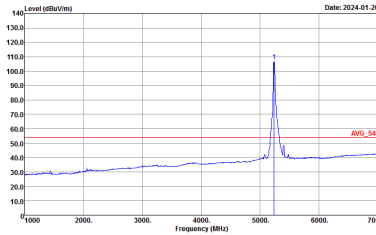
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
3+6	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY            : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY            : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:0.430KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : AVG_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:0.430KHz SWT:Auto</p>





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:4500kHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:4500kHz SWT:Auto</p>

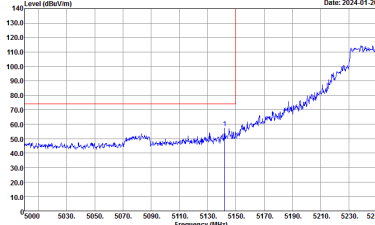
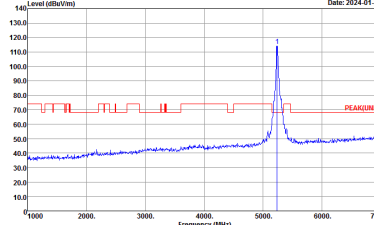
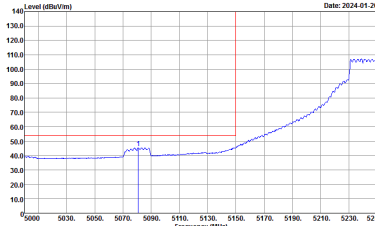
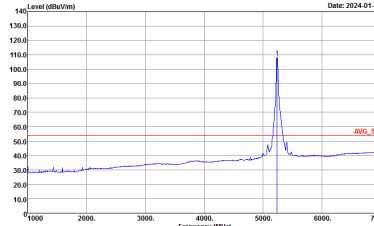


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:4500KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:4500KHz SWT:Auto</p>

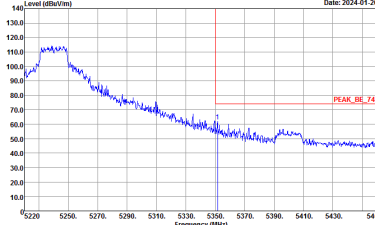
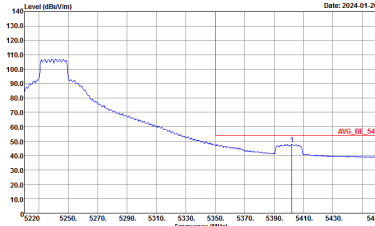


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
3+6	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:450KHz SWF:Auto</p>	Left blank



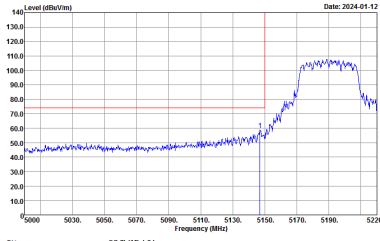
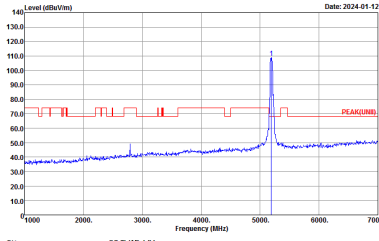
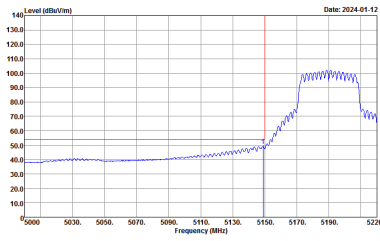
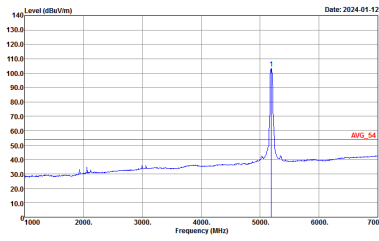
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-20</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-20</p> <p>Site Condition : 03CH15-HY : PEAK(LIMB) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-20</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:4500KHz SWT:Auto</p>	 <p>Date: 2024-01-20</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:4500KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:450KHz SWT:Auto</p>	Left blank



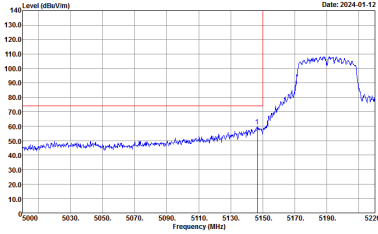
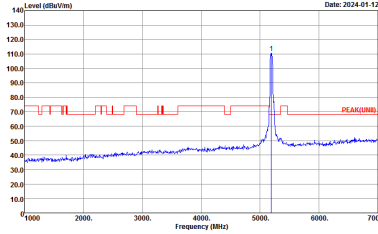
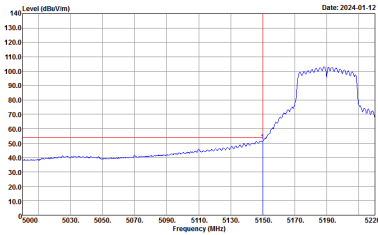
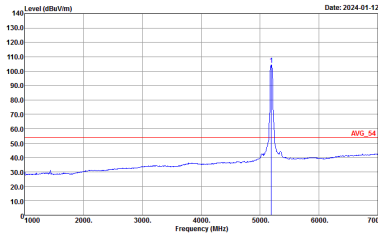
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY            : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY            : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : AVG_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
3+6	Horizontal	Fundamental
Peak	<p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



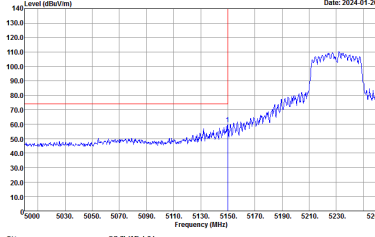
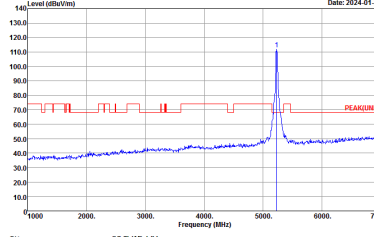
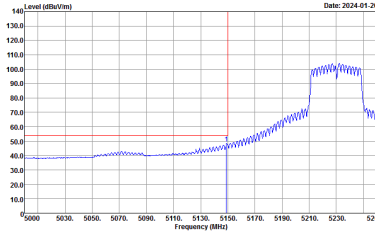
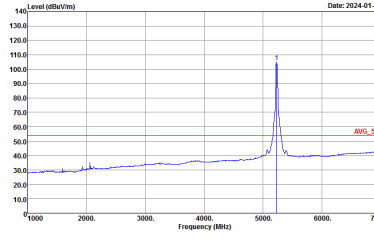
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



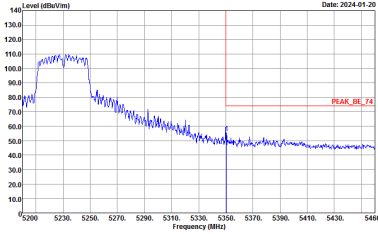
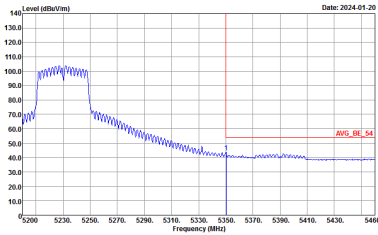


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
3+6	Vertical	Fundamental
Peak	<p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

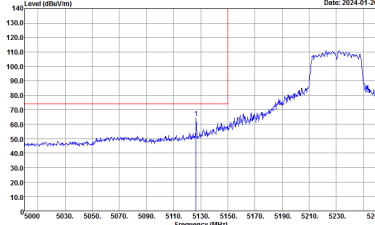
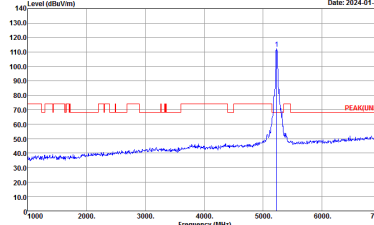
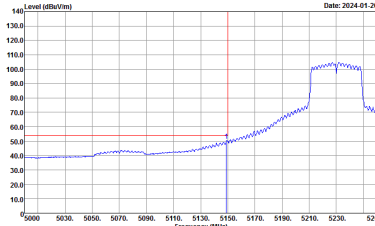
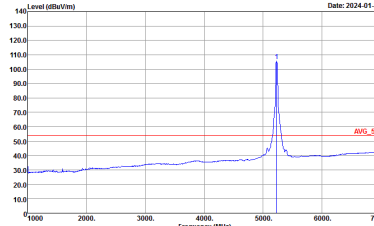


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

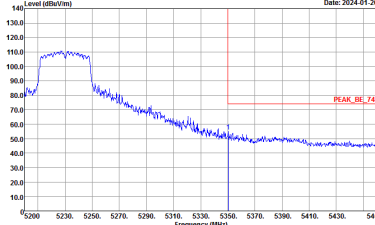
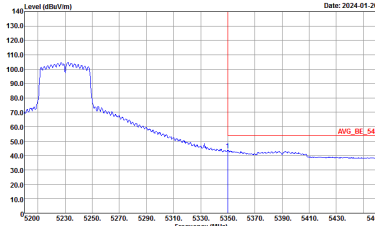


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



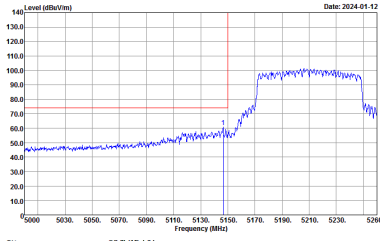
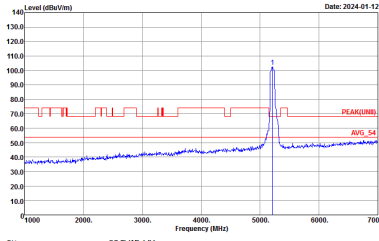
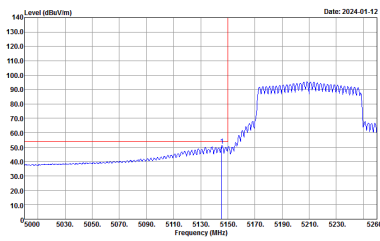
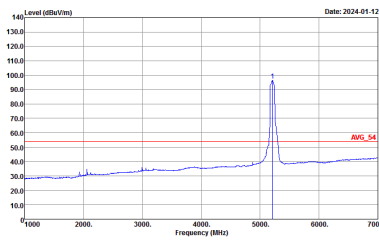
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_BE_74 3m 91200_02294_230630 VERTICAL -RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : -AVG_BE_54 3m 91200_02294_230630 VERTICAL -RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



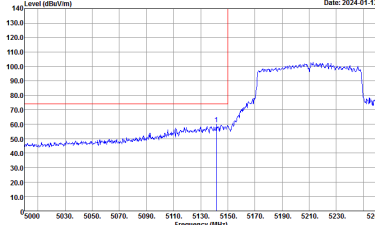
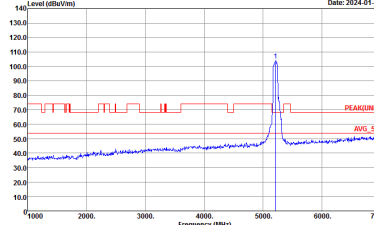
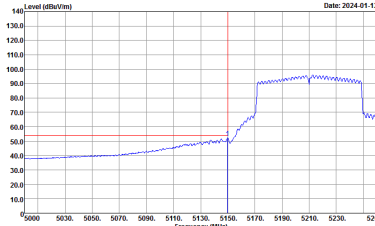
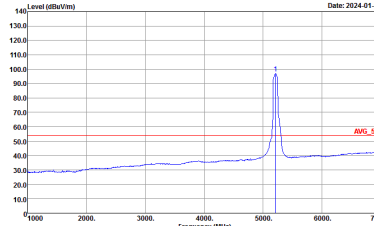
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



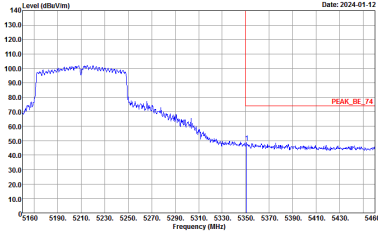
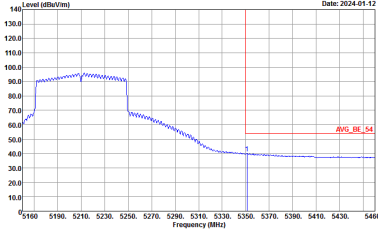
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
3+6	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

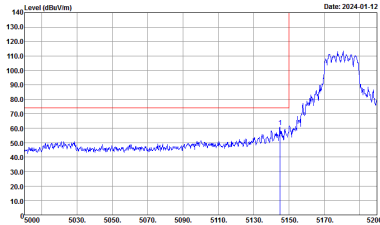
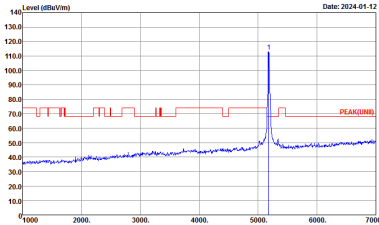
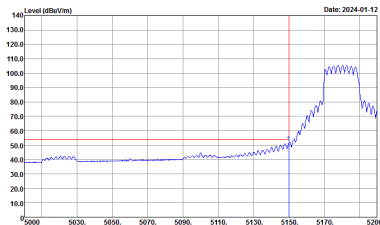
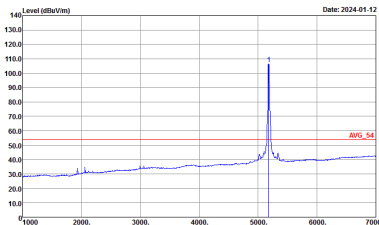




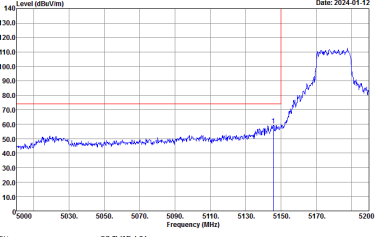
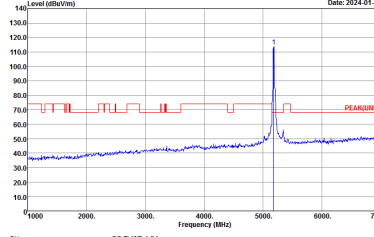
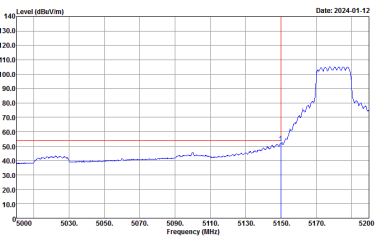
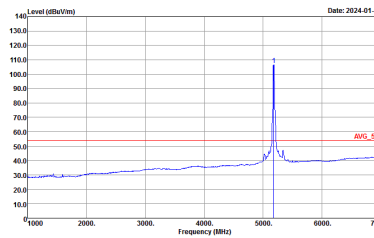
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



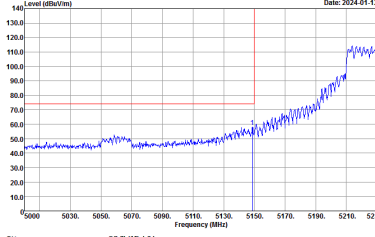
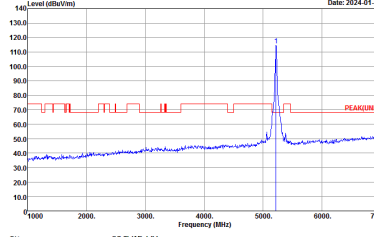
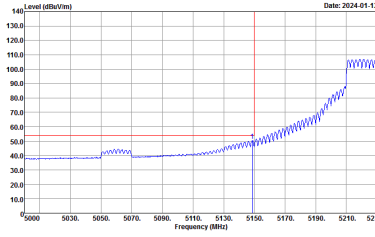
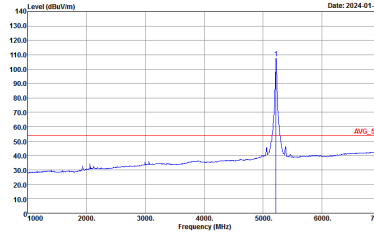
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY            : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY            : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY            : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY            : AVG_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>

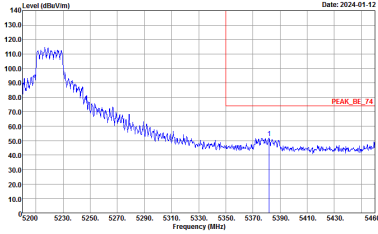
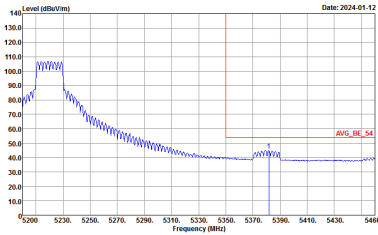


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>

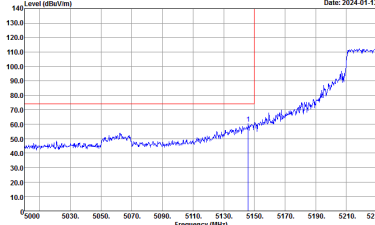
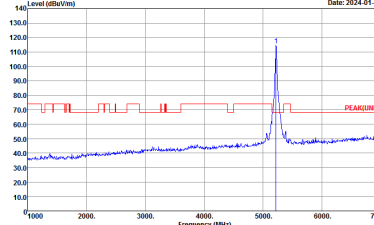
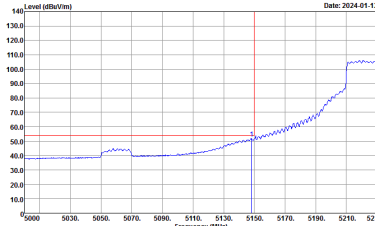
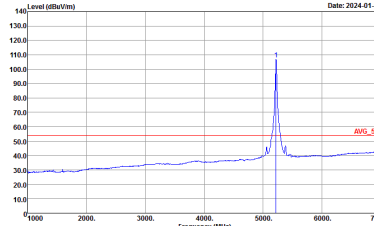


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

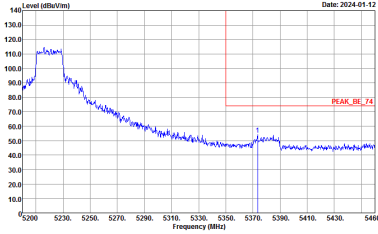
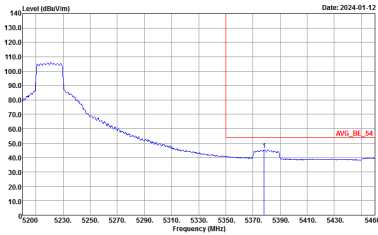


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	Left blank

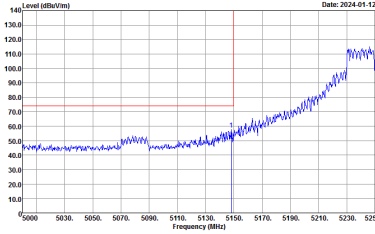
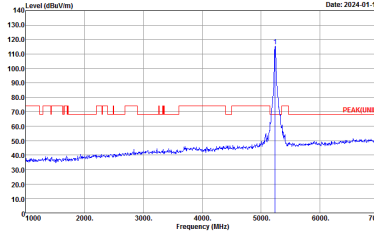
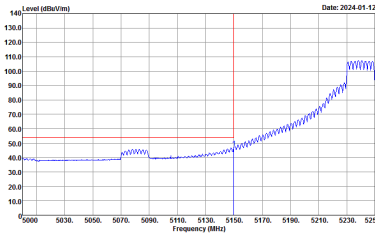
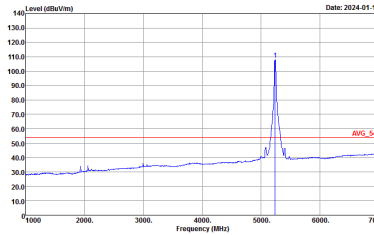


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



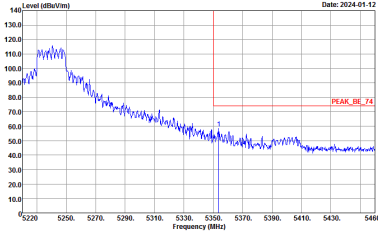
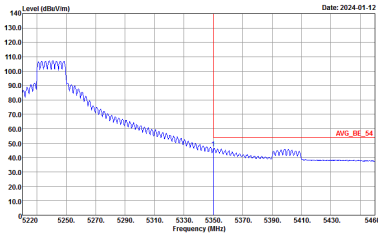
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



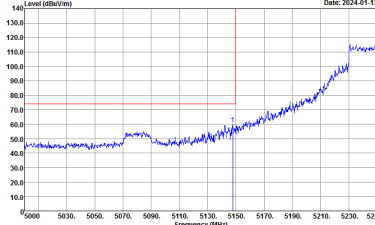
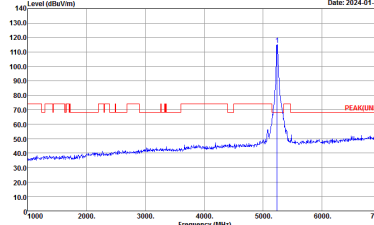
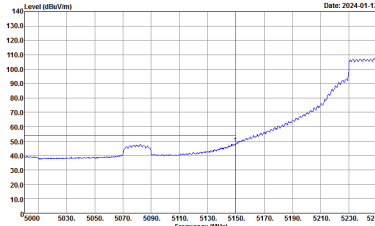
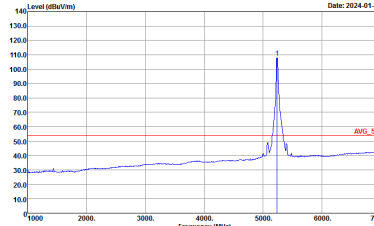
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



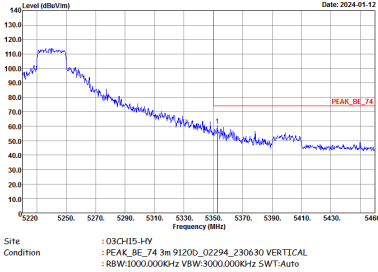
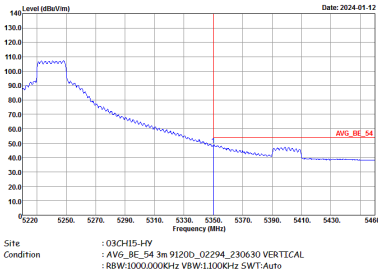


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
3+6	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWF:Auto</p>	<p>Left blank</p>



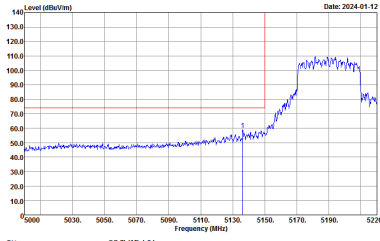
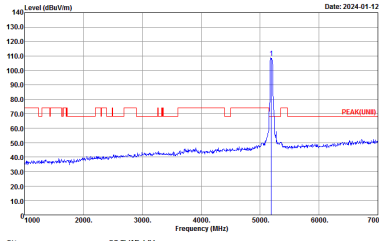
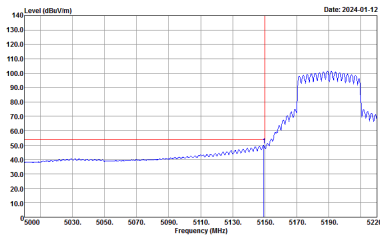
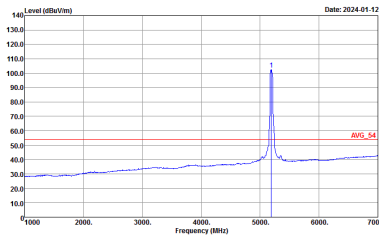
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



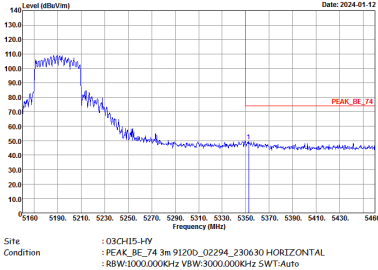
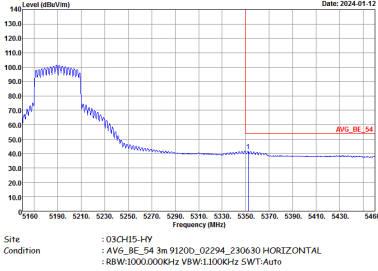
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
3+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



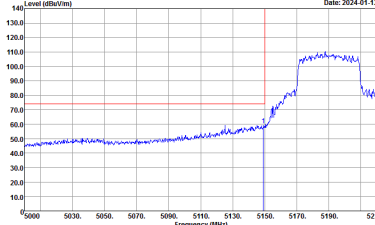
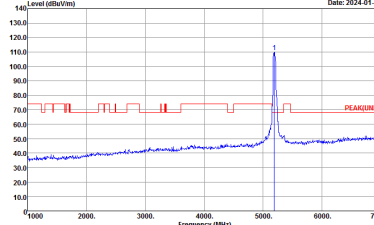
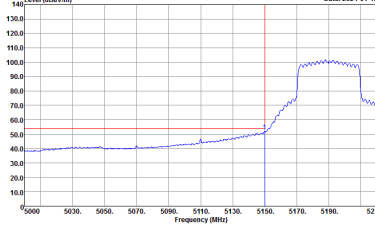
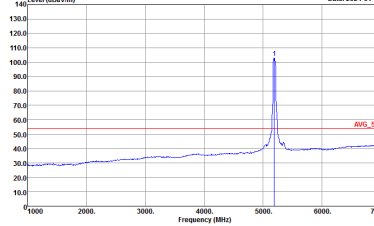
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH15-HY            : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site Condition : 03CH15-HY            : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY            : AVG_54 3m 91200_02294_230630 HORIZONTAL            : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>

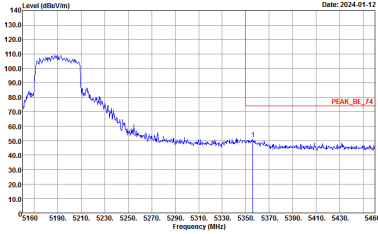
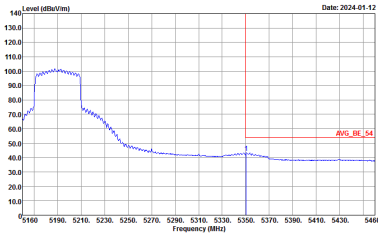


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
3+6	Horizontal	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>

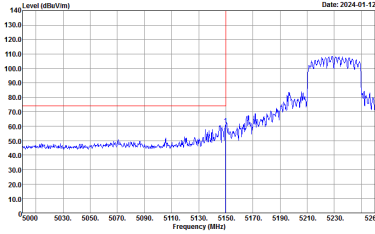
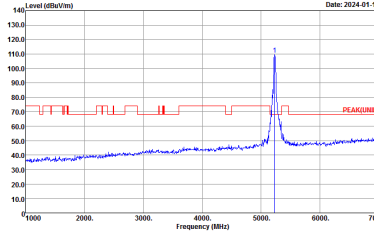
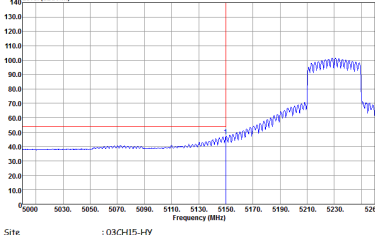
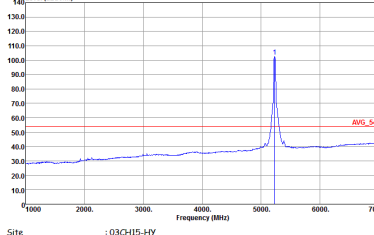


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(LIMB) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



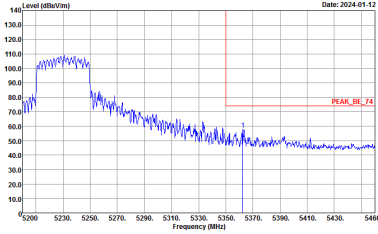
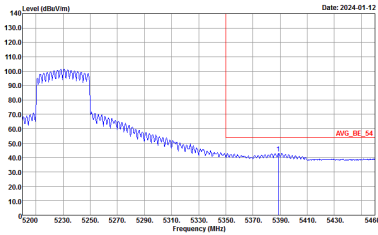
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : -PEAK_BE_74 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2024-01-12</p> <p>Site : 03CH15-HY Condition : -AVG_BE_54 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	Left blank



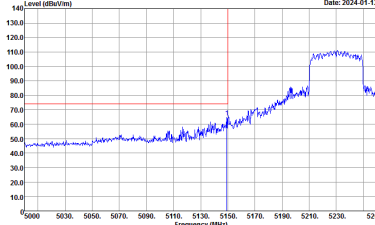
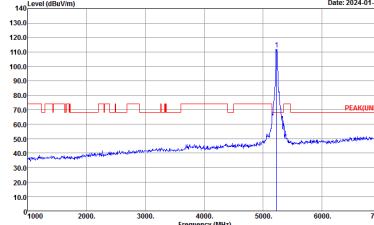
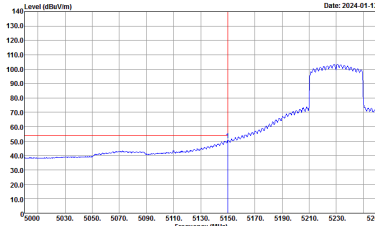
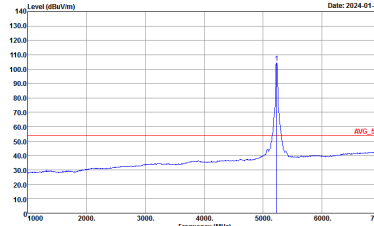
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



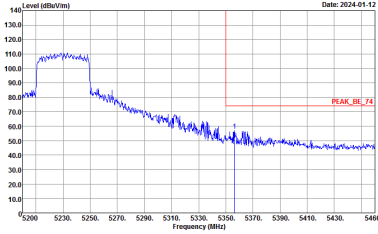
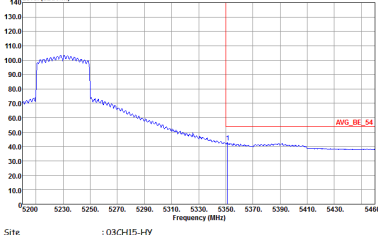


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
3+6	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



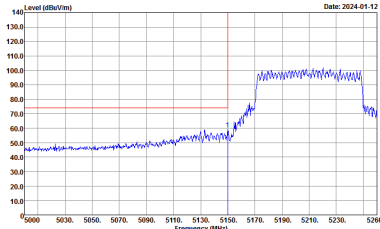
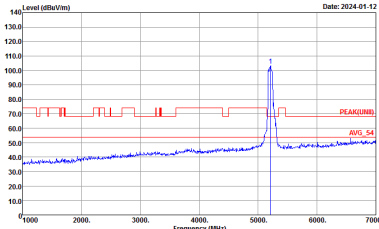
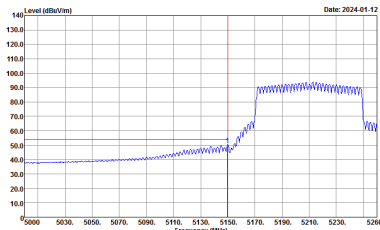
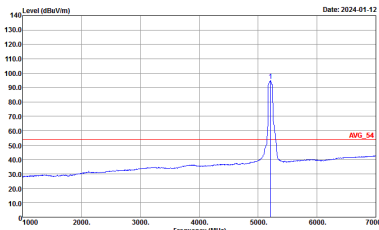
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(FUND) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



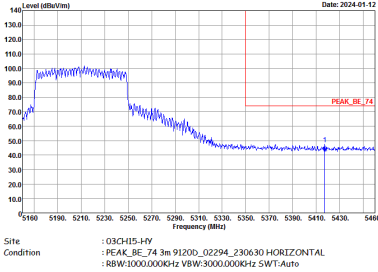
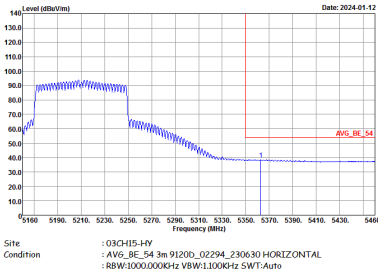
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
3+6	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	Left blank



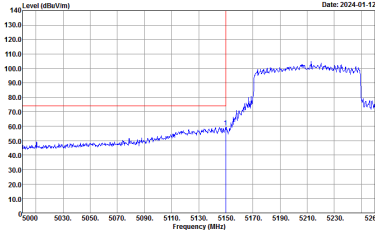
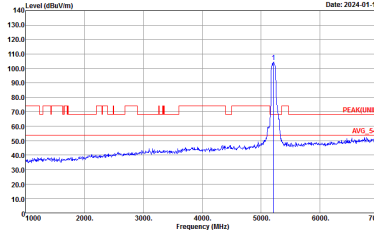
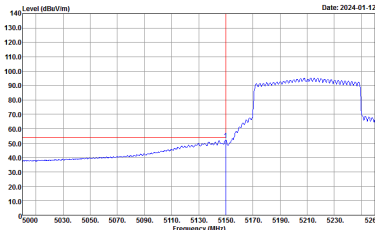
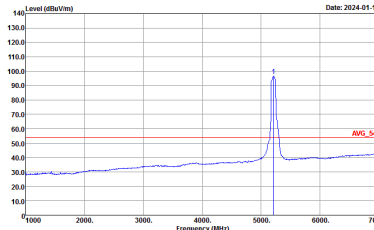
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

<b>WIFI</b>	<b>Band 1 5150~5250MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE80 Full CH42 5210MHz - L</b>	
<b>3+6</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Site Condition : 03CH15-HY          : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY          : PEAK(UNIT) 3m 91200_02294_230630 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site Condition : 03CH15-HY          : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL          : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Site Condition : 03CH15-HY          : AVG_54 3m 91200_02294_230630 HORIZONTAL          : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



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



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
3+6	Vertical	Fundamental
Peak	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : PEAK(LINE) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>	 <p>Date: 2024-01-12</p> <p>Site Condition : 03CH15-HY : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1100KHz SWT:Auto</p>



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



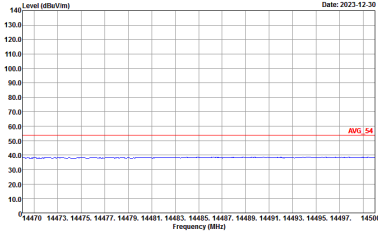
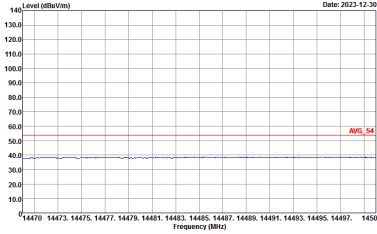
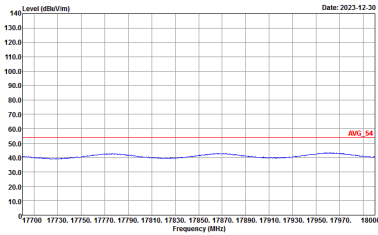
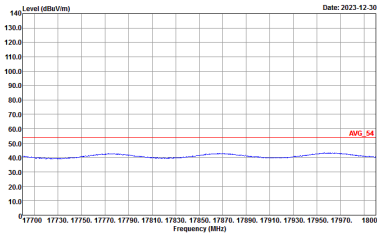
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

Table with 3 columns: WIFI, ANT, 3+6. It contains two spectral plots: Horizontal and Vertical. Each plot shows Level (dBuV/m) vs Frequency (MHz) with Peak and Avg lines. Includes site and condition details for each plot.

Peak
Avg.



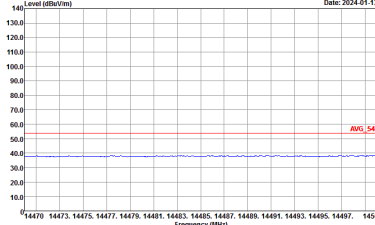
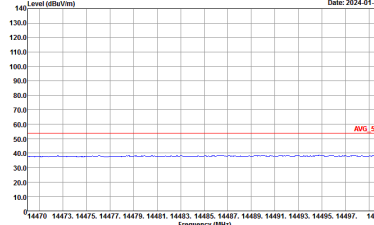
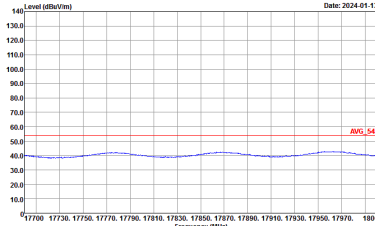
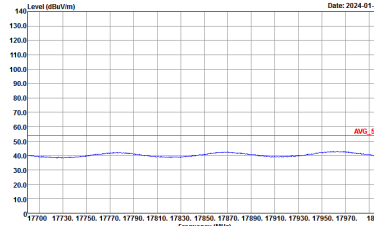


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>

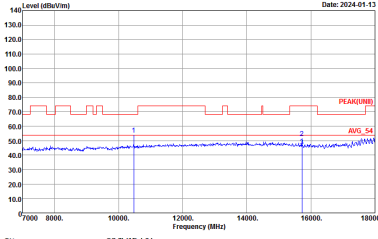
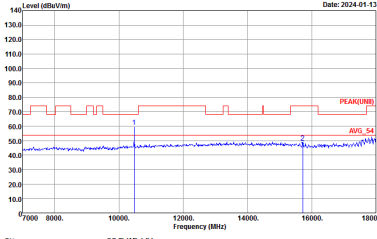


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 VERTICAL</p>

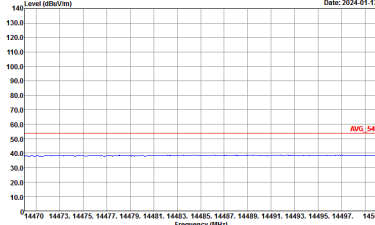
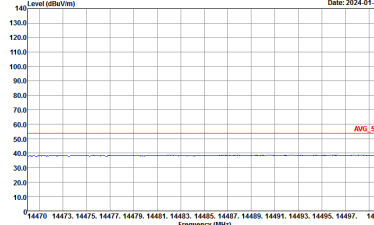
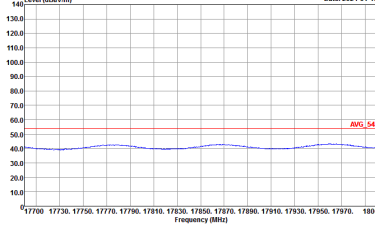
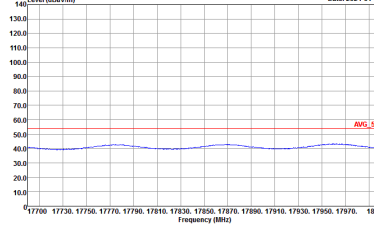


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
3+6	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 VERTICAL</p>



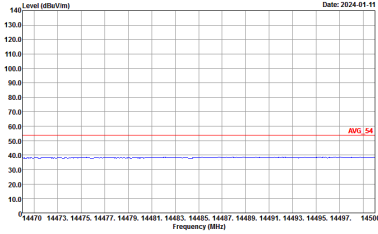
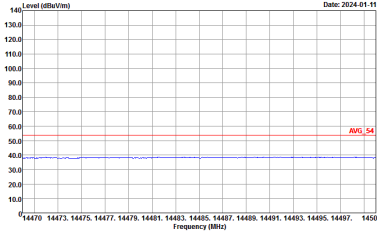
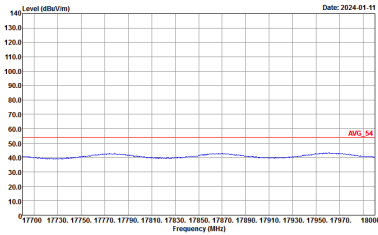
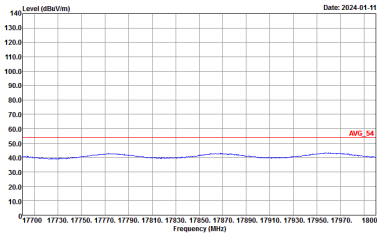
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL :</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 VERTICAL :</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



Band 1 5150~5250MHz  
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL :</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 VERTICAL :</p>





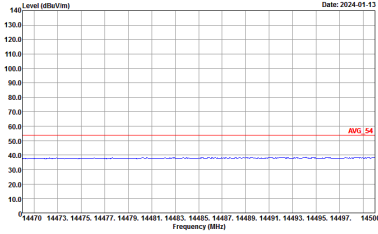
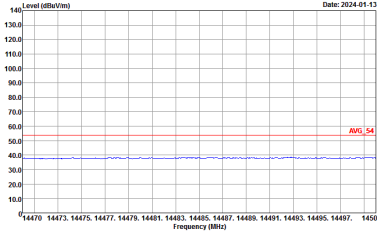
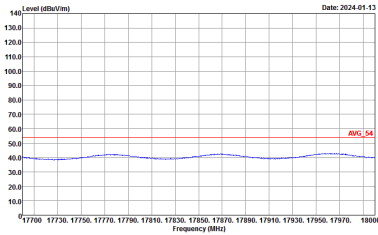
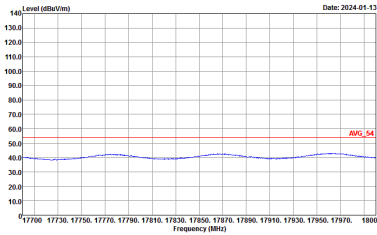
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
3+6	Horizontal	Vertical
<b>14.47G</b> <b>~14.5G</b> <b>Avg.</b>	<p>Date: 2023-12-30</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Date: 2023-12-30</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
	<p>Date: 2023-12-30</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Date: 2023-12-30</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>
<b>17.7G</b> <b>~18G</b> <b>Avg.</b>		



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL :</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 VERTICAL :</p>

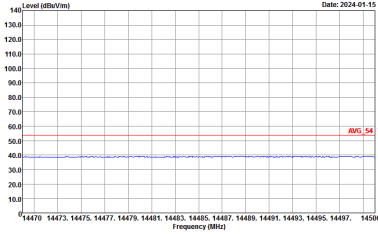
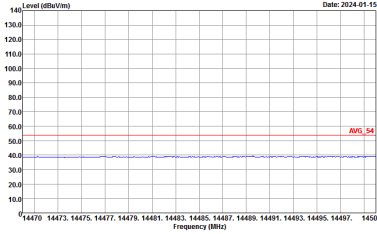
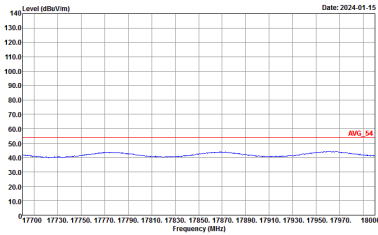
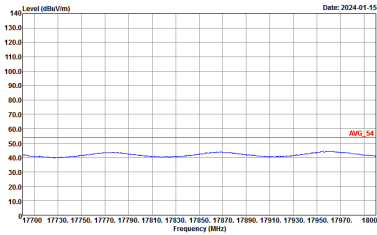


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-13</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 VERTICAL</p>

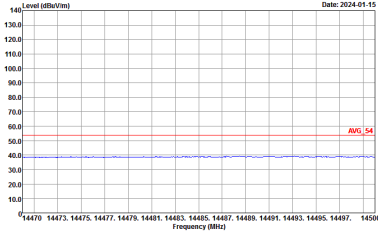
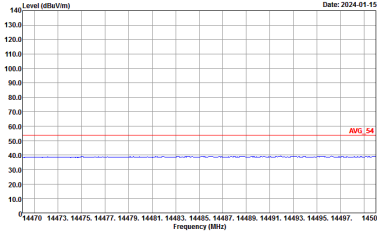
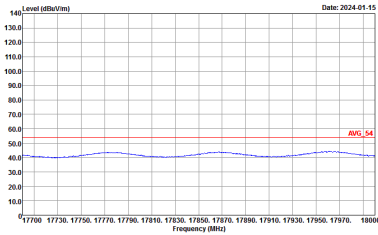
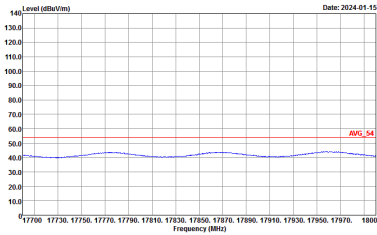


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>

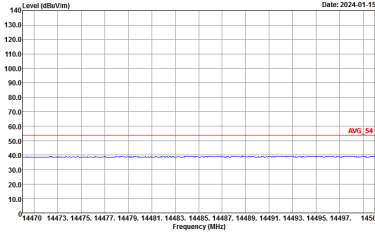
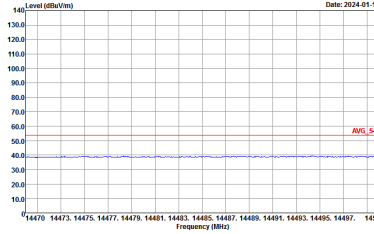
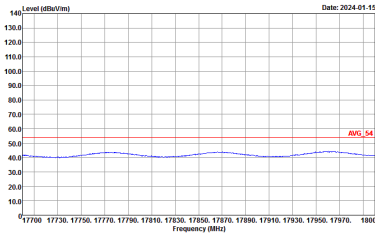
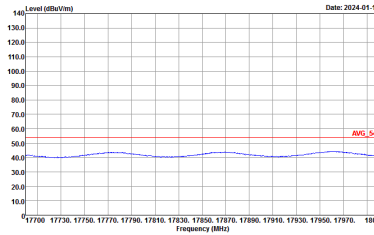


**Band 1 5150~5250MHz  
WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH38 5190MHz</b>	
<b>3+6</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL :</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 VERTICAL :</p>



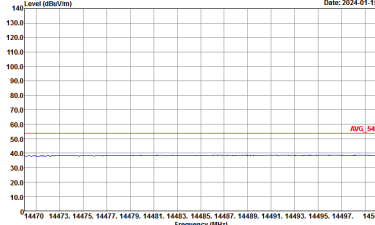
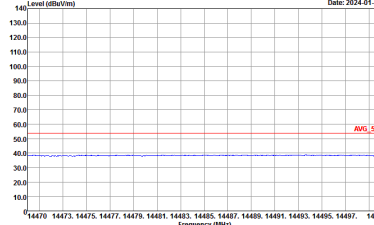
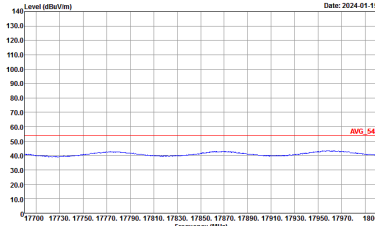
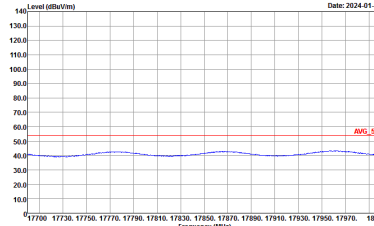


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
3+6	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK(LINE) 3m 9120D_02294_230630 VERTICAL</p>



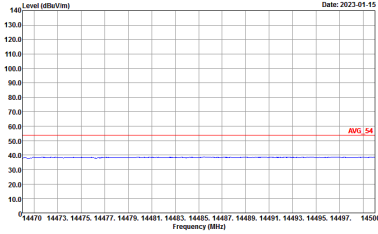
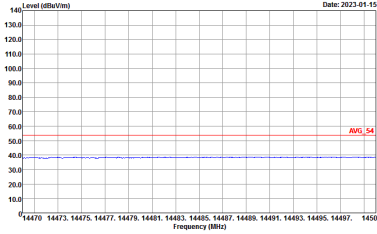
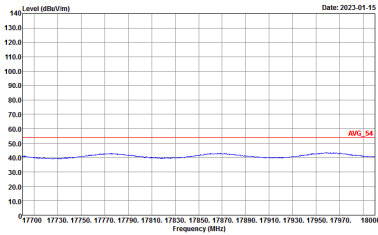
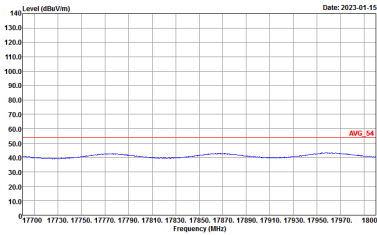
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2024-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 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>3+6</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
3+6	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Date: 2023-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg.</b></p>	 <p>Date: 2023-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-01-15</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 VERTICAL</p>



Emission above 18GHz
5GHz WIFI 802.11n HT20 (SHF @ 1m)

Table with 3 columns: WIFI (3+6), ANT (3+6), and 5GHz WIFI (Horizontal/Vertical). It contains two spectral plots showing Level (dBuV/m) vs Frequency (MHz) for Peak and Avg. values.